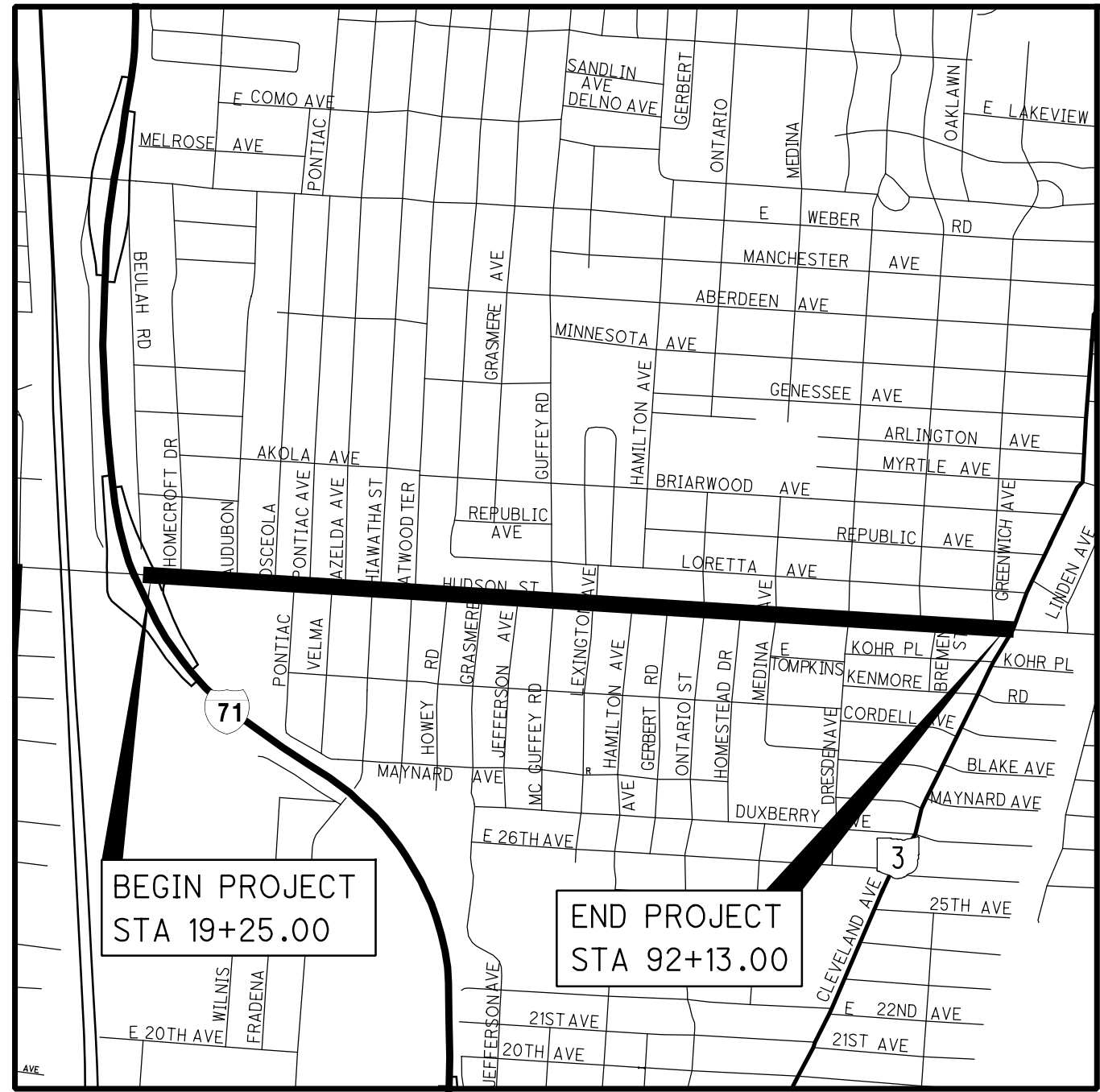


# CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC SERVICE DIVISION OF DESIGN AND CONSTRUCTION

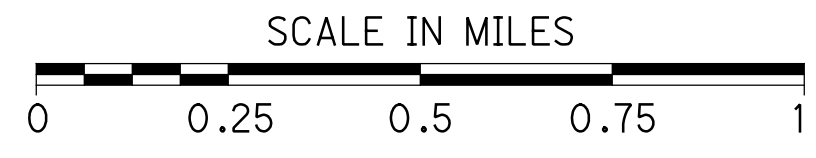
## IMPROVEMENTS OF HUDSON STREET

FROM A POINT 30'± WEST OF THE I-71 NORTH EXIT RAMP  
TO A POINT 50'± WEST OF CLEVELAND AVE



**LOCATION MAP**

LATITUDE: 40° 00' 53"    LONGITUDE: 82° 59' 16"



PORTIONS TO BE IMPROVED

**DESIGN DESIGNATION**

CURRENT ADT (2022)	15,774
DESIGN YEAR ADT (2042)	17,328
DESIGN HOURLY VOLUME (2042)	1,230
DIRECTIONAL DISTRIBUTION	50%
TRUCKS (24 HOUR B&C)	3%
DESIGN SPEED	35
LEGAL SPEED	35
DESIGN FUNCTIONAL CLASSIFICATION:	URBAN MINOR ARTERIAL
NHS PROJECT	NO

**DESIGN EXCEPTIONS** ..... NONE

**FEMA NOTE**  
THIS SITE IS LOCATED WITHIN FLOOD INSURANCE RATE MAP (FIRM) PANELS 39049C0188K EFFECTIVE 6/17/2008 AND 39049C0189K EFFECTIVE 6/17/2008. THIS SITE IS NOT LOCATED WITHIN A FLOOD ZONE. BASE FLOOD ELEVATION (BFE) N/A.

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FOR HUDSON STREET UTILITY RELOCATION SEE 3635-E  
FOR IMPROVEMENTS OF MEDINA AVENUE SEE 3570-E

**PROJECT DESCRIPTION**  
IMPROVEMENT OF HUDSON STREET BETWEEN I-71 AND CLEVELAND AVE IN THE LINDEN NEIGHBORHOOD OF COLUMBUS, JUST SOUTH OF LINDEN PARK. RECONSTRUCTION INCLUDES PAVEMENT REPLACEMENT, NEW CURBING, SIDEWALKS. PROJECT INCLUDES REPLACEMENT OF EXISTING 16" AND 20" WATER MAIN BETWEEN I-71 AND LEXINGTON AVE WITH NEW 24" WATER MAIN (DIVISION OF WATER COST PARTICIPATION) AND REPLACEMENT OF EXISTING 16" WATER MAIN BETWEEN LEXINGTON AVE AND CLEVELAND AVE WITH NEW 16" WATER MAIN. ALSO INCLUDED IS AN URBAN GREENWAY MULTIMODAL PATHWAY TO SERVE AS AN EAST-WEST CONNECTION IN THE CENTRAL OHIO GREENWAYS NETWORK.

**EARTH DISTURBED AREA**  
TOTAL ESTIMATED DISTURBED AREA    13.59 AC  
PRE-CONSTRUCTION IMPERVIOUS AREA    9.59 AC  
POST-CONSTRUCTION IMPERVIOUS AREA    10.07 AC

**2018 SPECIFICATIONS**  
THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), 2018 EDITION, INCLUDING ALL REVISIONS AND SUPPLEMENTS IN EFFECT AT THE TIME OF SIGNATURE BY THE DIRECTOR OF PUBLIC SERVICE, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE PART OF THIS PLAN UNLESS NOTED OTHERWISE.

**CITY OF COLUMBUS APPROVALS**  
CITY OF COLUMBUS SIGNATURES ON THIS PLAN SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

<i>Steven Wandy</i>	10/7/2021
DESIGN SECTION ENGINEER, DIVISION OF DESIGN AND CONSTRUCTION	DATE
<i>Angie Wilby</i>	10/11/2021
ADMINISTRATOR, DIVISION OF POWER	DATE
RMV    MDT <i>J. Deane</i>	10/7/2021
ADMINISTRATOR, DIVISION OF SEWERAGE AND DRAINAGE	DATE
<i>TEH</i> <i>Stephen M. Deane</i>	10/7/2021
ADMINISTRATOR, DIVISION OF WATER	DATE
<i>Tracie Davies by MEd</i>	10/20/2021
DIRECTOR, DEPARTMENT OF PUBLIC UTILITIES	DATE
<i>Robert Comer</i>	10/14/2021
FIRE PREVENTION BUREAU, DIVISION OF FIRE	DATE
<i>Darryl Joyce</i>	10/11/2021
ENGINEERING SUPERVISOR, DEPARTMENT OF TECHNOLOGY	DATE
<i>Don E. Evans for Paul Rakosky</i>	10/15/2021
DIRECTOR, DEPARTMENT OF RECREATION AND PARKS	DATE
<i>James Young</i>	10/20/2021
CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN AND CONSTRUCTION	DATE
<i>Jennifer Gallagher</i>	10/20/2021
DIRECTOR, DEPARTMENT OF PUBLIC SERVICE	DATE

REF NO.	REVISION DESCRIPTION	SHEET(S)	INITIAL	DATE



**DOW    19-058  
3575-E**

COLUMBUS STANDARD CONSTRUCTION DRAWINGS								ODOT STANDARD CONSTRUCTION DRAWINGS	
1441	4/22/19	2319	7/1/20	4161	8/1/15	AA-S102	12/6/13		
		2328	4/30/18	4162	7/1/20	AA-S106	7/9/12		
1500	9/15/15	2332	4/30/18	4163	7/1/21	AA-S107	7/9/12	DM-1.1	7/17/20
1510	9/15/15			4164	10/1/20	AA-S108	7/9/12	MGS-1.1	1/19/18
1520	9/15/15	4000	8/10/17	4170	7/1/21	AA-S112	12/6/13	MGS-2.1	1/19/18
1540	9/15/15	4001	8/1/15	4200	8/1/15	AA-S114	12/6/13	RM-5.1	7/18/14
		4002	5/1/14	4202	8/10/17	AA-S117	7/9/12	MH-1.2	1/15/16
2000	3/30/18	4021	7/1/20	4205	5/1/14	AA-S119	8/8/14		
2160	12/31/18	4022	7/1/20	4230	1/1/18	AA-S121	7/9/12		
2170	4/30/18	4023	7/1/20	4253	5/1/14	AA-S125A	8/8/14		
2171	4/30/18	4051	5/1/14	4301	8/10/17	AA-S125B	8/8/14	SS-1530	11/8/19
2179	7/1/20	4101	8/10/17	4330	8/10/17	AA-S128	8/8/14	SS-1551	3/1/04
2185	3/30/18	4104	8/10/17	4331	5/1/14	AA-S142	12/6/13	SS-1611	2/1/13
2201	7/1/20	4105	8/10/17	4600	7/1/20	AA-S145	10/30/19	SS-1620	9/10/18
2202	7/1/20	4110	10/1/18	4601	7/1/20	AA-S149	10/15/14	SS-1630	11/13/09
2230	4/30/18	4111	8/10/17	4602	7/1/20	AA-S151	7/9/12		
2300	4/30/18	4120	10/1/18	4603	7/1/20				
2310	7/1/20	4160	10/1/18	MIS-1	1/1/18				

PLAN PREPARED BY:

2550 CORPORATE EXCHANGE DR, STE 300  
COLUMBUS, OH 43231  
TEL 614.901.2235    FAX 614.901.2236  
www.structurepoint.com

DESIGN ENGINEER:  
MICHAEL W. RAUBENOLT, PE  
MRAUBENOLT@STRUCTUREPOINT.COM  
PHONE: 614-901-2235

ENGINEERS SEAL:

SIGNED: *Michael W. Raubenolt*  
DATE: 10/5/2021

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CIP 530103-100068  
 CIP 690597-100000  
 CONTRACT 2282

TITLE SHEET

HUDSON ST



BEGIN WORK  
 STA 18+57

BEGIN PROJECT  
 STA 19+25

LEGEND

A STA 19+50.00, 4.50 RT @ HUDSON ST = STA 16+07.72, @ RAMP B	D STA 29+53.92, @ HUDSON ST = STA 10+00.00, @ OSCEOLA AVE	G STA 34+35.95, @ HUDSON ST = STA 10+00.00, @ VELMA AVE	J STA 38+52.62, @ HUDSON ST = STA 10+00.00, @ HIAWATHA ST	M STA 44+22.89, @ HUDSON ST = STA 10+00.00, @ HOWEY RD
B STA 21+74.61, @ HUDSON ST = STA 10+00.00, @ HOMECROFT DR	E STA 31+15.73, @ HUDSON ST = STA 10+00.00, @ PONTIAC ST (S)	H STA 35+50.95, @ HUDSON ST = STA 10+00.00, @ AZELDA ST	K STA 41+18.00, @ HUDSON ST = STA 10+00.00, @ ATWOOD TERRACE (S)	
C STA 26+27.39, @ HUDSON ST = STA 10+00.00, @ AUDUBON RD	F STA 32+50.23, @ HUDSON ST = STA 10+00.00, @ PONTIAC ST (N)	I STA 37+88.09, @ HUDSON ST = STA 10+00.00, @ HIAWATHA PARK DR	L STA 41+49.78, @ HUDSON ST = STA 10+00.00, @ ATWOOD TERRACE (N)	

MATCH LINE STA 32+00, SEE ABOVE RIGHT

MATCH LINE STA 45+00, SEE SHEET 3

CALCULATED  
 JRS  
 CHECKED  
 MWR

0 50 100  
 HORIZONTAL  
 SCALE IN FEET

SCHEMATIC PLAN

HUDSON ST



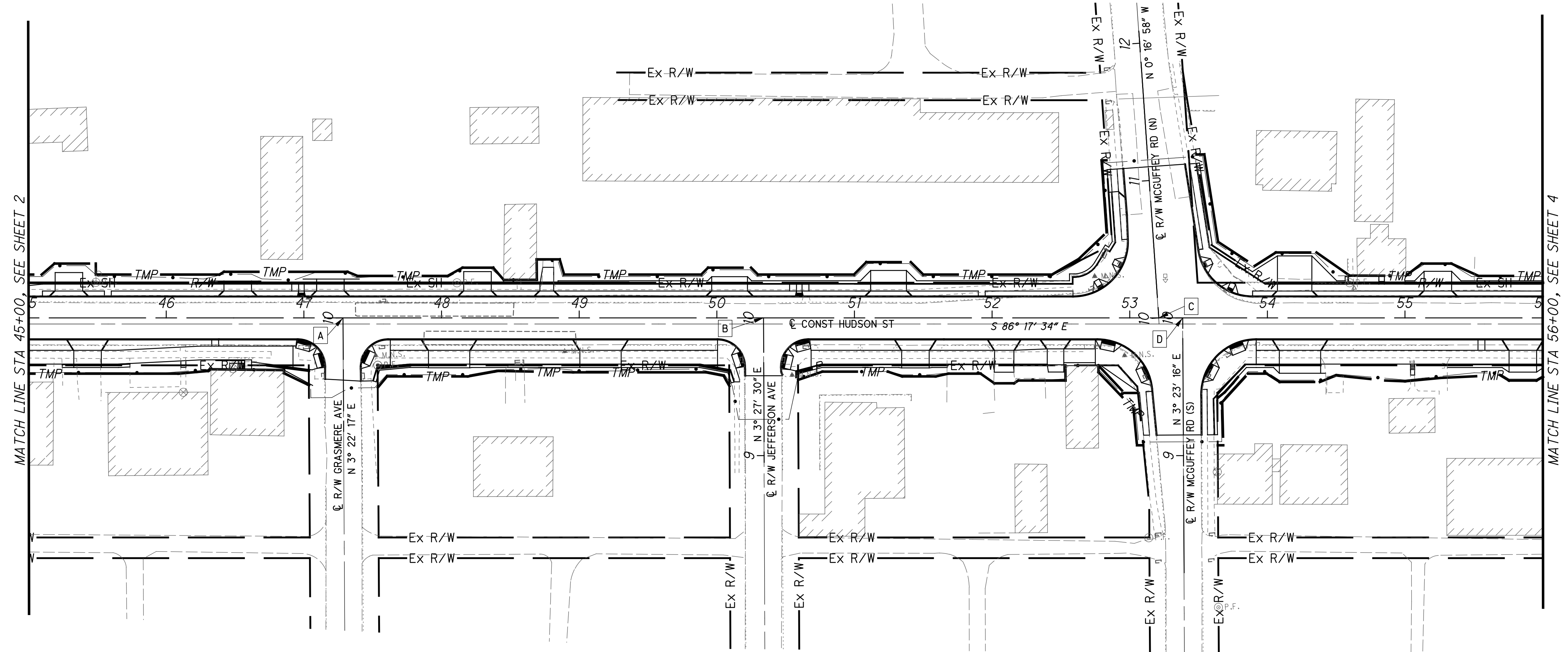
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 HORIZONTAL SCALE IN FEET

CALCULATED JRS  
 CHECKED MWR

SCHEMATIC PLAN

HUDSON ST

3  
 535



LEGEND

- A STA 47+28.42,  $\odot$  HUDSON ST =  
 STA 10+00.00,  $\odot$  GRASMERE AVE
- B STA 50+33.96,  $\odot$  HUDSON ST =  
 STA 10+00.00,  $\odot$  JEFFERSON AVE
- C STA 53+21.13,  $\odot$  HUDSON ST =  
 STA 10+00.00,  $\odot$  MCGUFFEY RD (N)
- D STA 53+38.48,  $\odot$  HUDSON ST =  
 STA 10+00.00,  $\odot$  MCGUFFEY RD (S)

VERTICAL CONTROL

THE VERTICAL DATUM IS BASED ON HOLDING FRANKLIN COUNTY BENCHMARK U188 @ 851.346 NAVD 88 DATUM RUNNING THROUGH TEMPORARY BENCHMARKS AND CONTROL POINTS AND CHECKING INTO FRANKLIN COUNTY BENCHMARK 64 @ 856.174 WHICH IS 0.013' HIGHER THAN RECORDED ELEVATION OF 856.161 NAVD 88 DATUM.

- ◆ SOURCE BM U188 - BRASS PLUG IN CONCRETE MONUMENT ON THE WEST SIDE OF THE CONRAIL TRACKS, EAST OF THE INTERSECTION OF ARCADIA AVENUE AND FOURTH STREET, AT THE EAST END OF AND ALMOST DIRECTLY IN FRONT OF THE EXTENDED CENTERLINE OF ARCADIA AVENUE, 32.9 FEET WEST OF THE WEST RAIL, 22.4 FEET EAST OF THE CENTER OF A MANHOLE COVER, 17.3 FEET SOUTHEAST OF A METAL BRACE POLE FOR POWER POLE #2612, 10.8 FEET SOUTHEAST OF A WITNESS POST, 2.5 FEET BELOW THE LEVEL OF THE TRACK, 1.2 FEET BELOW THE GROUND.
- ◆ TBM FRANK62 - STATION IS A STAINLESS STEEL ROD DRIVEN TO A DEPTH OF 12 FEET, IN A GRASS PLOT 197.0 FEET NORTH OF THE INTERSECTION OF HUDSON STREET AND SILVER DRIVE, 24.1 FEET SOUTHEAST OF A KEEP RIGHT SIGN, 10.9 FEET EAST OF THE WEST CURB, 9.0 FEET WEST OF THE EAST CURB, 9 INCHES BELOW GROUND, ACCESS THROUGH ALUMINUM ACCESS COVER. SEE "FRANK162" FOR AZIMUTH.
- ◆ TBM FRANK64 - BRASS DISK IN CONCRETE MONUMENT AT THE NORTHWEST CORNER OF GREENWICH AVENUE AND HUDSON STREET, 1.0 FOOT NORTH OF THE NORTH CURB OF HUDSON STREET, 14.7 FEET NORTHWEST OF A MANHOLE, 18 INCHES WEST OF OBT POLE #65-T
- ◆ TBM FRANK162 - ALUMINUM PLUG IN CONCRETE MONUMENT ALONG I-71, 0.3 MILES SOUTH OF WEBER ROAD, 98.5 FEET NORTH OF THE NORTH LINE OF A WAREHOUSE BUILDING #2697, 19.8 FEET NORTHEAST OF A FENCE ON THE WEST SIDE OF I-71, 2.5 FEET WEST OF THE CURB ON THE WEST SIDE OF THE SOUTHBOUND LANES OF I-71, 6 INCHES BELOW THE GROUND. DISK IS STAMPED "FRANK 62 AZ MK 1987"
- ◆ TBM FRANK1069 - BRASS DISK IN CONCRETE MONUMENT AT THE NORTHEAST CORNER OF HUDSON STREET AND DRESDEN STREET, 25.5 FEET NORTH OF THE CENTERLINE OF HUDSON STREET, 15.1 FEET EAST OF THE CENTERLINE OF DRESDEN STREET, 3 INCHES ABOVE THE GROUND, NOT STAMPED
- ◆ TBM FRANK5322 - ALUMINUM CAP IN PVC ENCASED CONCRETE MONUMENT, AT THE INTERSECTION OF OAKLAND PARK AVENUE AND WESTERVILLE ROAD, ACCESS THROUGH F.C. ROAD MONUMENT BOX. MONUMENT REPLACED A FOUND IRON PIN 10 INCHES DEEP.

HORIZONTAL DATUM

HORIZONTAL CONTROL ESTABLISHED WITH BASE SET ON CONTROL POINT #1500 FOR OVER FOUR HOURS USING OHIO SOUTH & LOCATING ALL CONTROL POINTS AND ALSO LOCATING FRANKLIN COUNTY MONUMENTS FRANK162 AND FRANK62. BROUGHT TO GROUND IN TRIMBLE BUSINESS CENTER HOLDING COORDINATES PROVIDED FOR FRANKLIN COUNTY CONTROL MONUMENTS AND SCALE FACTOR OF 1.0000392064 PROVIDED BY T.B.C.

BASIS OF STATIONING

HUDSON ST CENTERLINE STATIONING AS ESTABLISHED ON 3161-E.

SIDE STREETS: CENTERLINE STATION SET = 10+00 AT INTERSECTION WITH CENTERLINE OF HUDSON ST AS ESTABLISHED FOR THIS PROJECT.

BASIS OF BEARINGS

BEARINGS SHOWN HEREON ARE BASED ON GRID NORTH AS (REFERENCE SOUTH 86 DEGREES 18 MINUTES 11 SECONDS EAST FOR HUDSON STREET EAST OF INTERSTATE 71 AS REFERENCED TO THE OHIO STATE PLANE COORDINATE SYSTEM (SOUTH ZONE) AND THE NORTH AMERICAN DATUM OF 1983, AS ESTABLISHED UTILIZING A GPS SURVEY AND NGS OPUS SOLUTION.

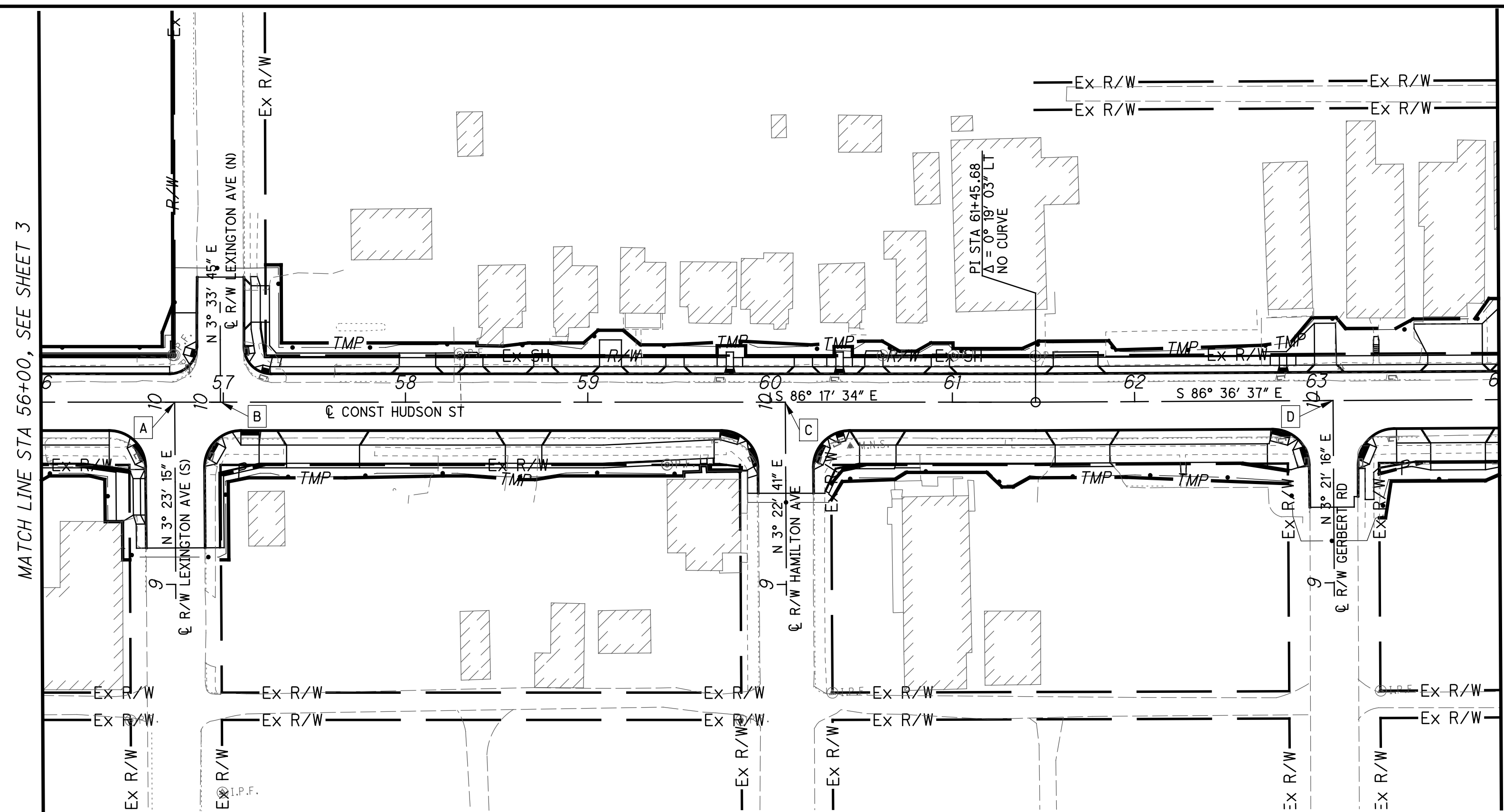
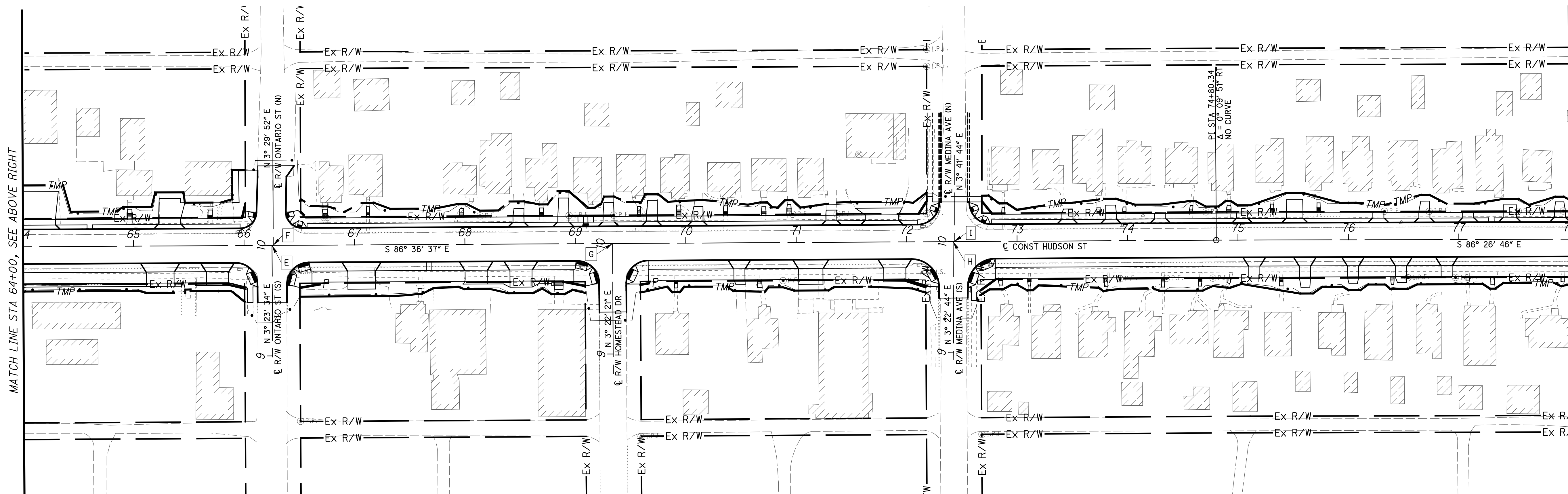
SURVEY CONTROL POINTS

POINT NO	NORTHING	EASTING	ELEV	DESC
1000	735081.416	1829360.943	851.35	MON
1001	736019.892	1829758.265	N/A	MON
1002	734451.596	1829866.969	N/A	MON
1003	733797.768	1837386.162	856.16	MON
1500	734217.976	1831484.755	853.13	IPINS
1501	734266.504	1830316.386	850.8	MAGS
1502	734170.045	1830801.961	851.25	MAGS
1503	734104.622	1831872.628	852.44	MAGS
1504	734027.094	1833075.678	858.13	MAGS
1505	733946.738	1834365.029	859.66	MAGS
1506	733872.936	1835532.446	863.94	MAGS
1507	733838.222	1836820.000	858.76	MAGS
1508	733747.945	1837627.200	855.31	MAGS
1509	733706.141	1838153.353	852.23	IPINS
1510	733942.876	1837442.587	856.99	IPINS
1511	734387.342	1833622.743	859.86	IPINS
1512	733663.417	1833626.498	856.52	IPINS
1513	734489.206	1830159.149	849.84	IPINS
1514	734122.871	1830325.070	850.13	IPINS
1515	734332.705	1831925.325	855.58	IPINS

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LEGEND

- A STA 56+73.37,  $\odot$  HUDSON ST =  
STA 10+00.00,  $\odot$  LEXINGTON AVE (S)
- B STA 56+98.43,  $\odot$  HUDSON ST =  
STA 10+00.00,  $\odot$  LEXINGTON AVE (N)
- C STA 60+08.36,  $\odot$  HUDSON ST =  
STA 10+00.00,  $\odot$  HAMILTON AVE
- D STA 63+08.90,  $\odot$  HUDSON ST =  
STA 10+00.00,  $\odot$  GERBERT RD
- E STA 66+25.38,  $\odot$  HUDSON ST =  
STA 10+00.00,  $\odot$  ONTARIO ST (S)
- F STA 66+26.43,  $\odot$  HUDSON ST =  
STA 10+00.00,  $\odot$  ONTARIO ST (N)
- G STA 69+33.71,  $\odot$  HUDSON ST =  
STA 10+00.00,  $\odot$  HOMESTEAD DR
- H STA 72+42.03,  $\odot$  HUDSON ST =  
STA 10+00.00,  $\odot$  MEDINA AVE (S)
- I STA 72+43.12,  $\odot$  HUDSON ST =  
STA 10+00.00,  $\odot$  MEDINA AVE (N)

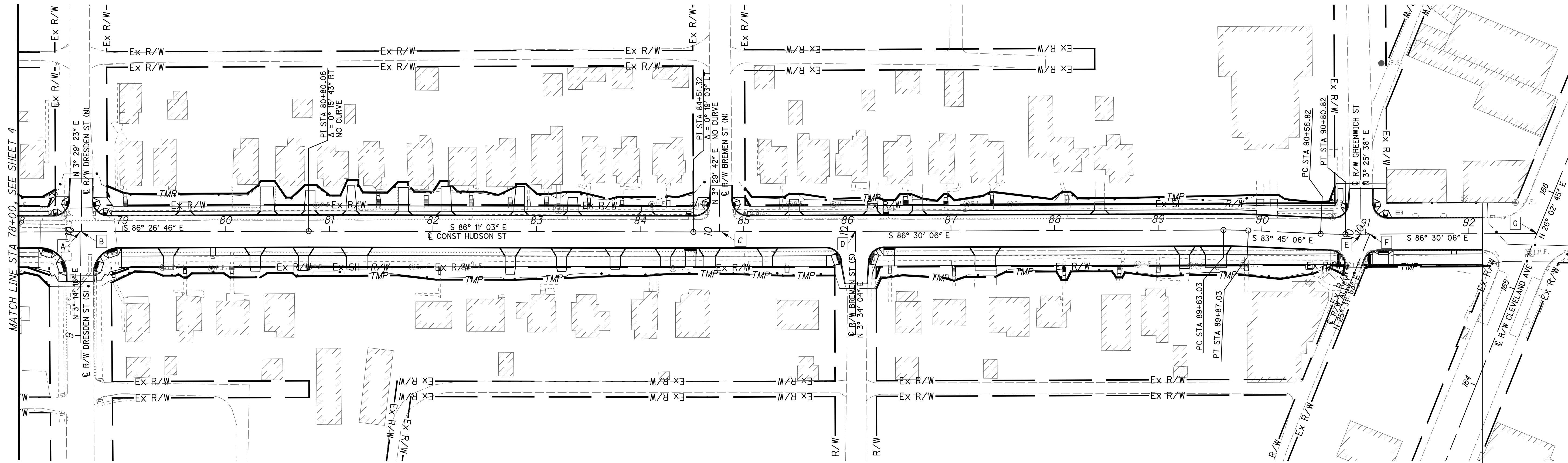


CALCULATED  
JRS  
CHECKED  
MWR

0 50 100  
HORIZONTAL  
SCALE IN FEET

SCHEMATIC PLAN

HUDSON ST



LEGEND

- A STA 78+59.28,  $\text{CL}$  HUDSON ST =  
STA 10+00.00,  $\text{CL}$  DRESDEN ST (S)
- B STA 78+60.72,  $\text{CL}$  HUDSON ST =  
STA 10+00.00,  $\text{CL}$  DRESDEN ST (N)
- C STA 84+76.48,  $\text{CL}$  HUDSON ST =  
STA 10+00.00,  $\text{CL}$  BREMEN ST (N)
- D STA 86+07.82,  $\text{CL}$  HUDSON ST =  
STA 10+00.00,  $\text{CL}$  BREMEN ST (S)
- E STA 90+95.87,  $\text{CL}$  HUDSON ST =  
STA 10+00.00,  $\text{CL}$  GREENWICH ST
- F STA 91+04.38,  $\text{CL}$  HUDSON ST =  
STA 10+00.00,  $\text{CL}$  ALLEY
- G STA 92+65.67,  $\text{CL}$  HUDSON ST =  
STA 165+57.81,  $\text{CL}$  CLEVELAND AVE

$\text{CL}$  CURVE DATA HUDSON ST

PI STA 89+75.03  
 $\Delta = 2^\circ 45' 00''$  (RT)  
 $D_c = 11^\circ 27' 33''$   
 $R = 500.00'$   
 $T = 12.00'$   
 $L = 24.00'$   
 $E = 0.14'$   
 $C = 24.00'$   
 $C.B. = S 85^\circ 07' 36'' E$

$\text{CL}$  CURVE DATA HUDSON ST

PI STA 90+68.82  
 $\Delta = 2^\circ 45' 00''$  (LT)  
 $D_c = 11^\circ 27' 33''$   
 $R = 500.00'$   
 $T = 12.00'$   
 $L = 24.00'$   
 $E = 0.14'$   
 $C = 24.00'$   
 $C.B. = S 85^\circ 07' 36'' E$

END PROJECT  
 STA 92+13

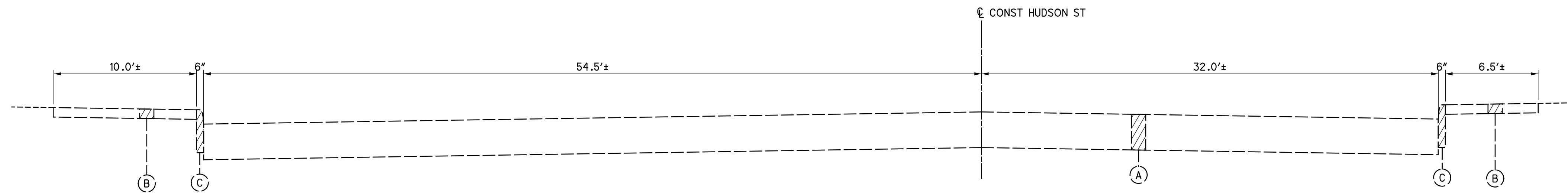
END WORK  
 STA 92+98

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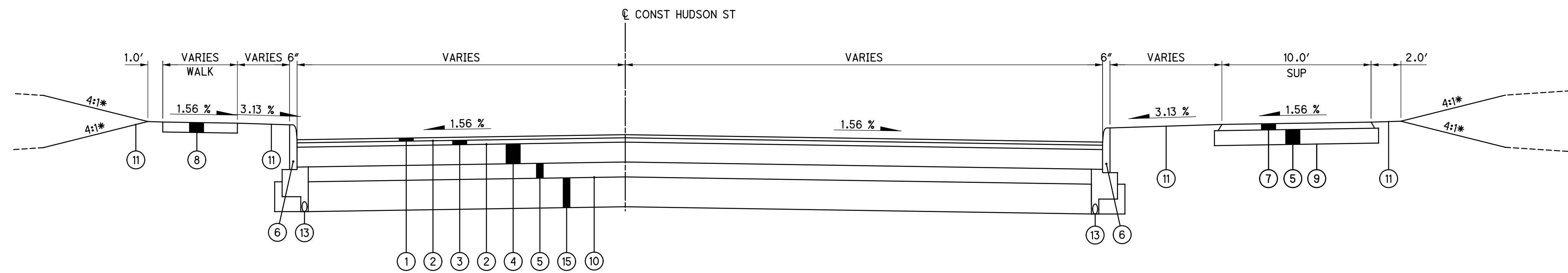
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 HORIZONTAL  
 SCALE IN FEET

SCHEMATIC PLAN

HUDSON ST



ADJOINING SECTION - HUDSON ST  
STA 19+25.00



NORMAL SECTION - HUDSON ST  
STA 19+25.00 TO STA 19+88.00, LENGTH = 63.00 FT  
FOR PAVEMENT WIDTHS, SEE INTERSECTION DETAIL, SHEET 255

\*3:1 MAX, 4:1 PREFERRED

LEGEND

- ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M
- ② ITEM 407 - TRACKLESS TACK COAT
- ③ ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2
- ④ ITEM 305 - 8" PORTLAND CEMENT CONCRETE BASE OR ITEM 307 - 8" ROLLER COMPACTED CONCRETE BASE
- ⑤ ITEM 304 - 6" AGGREGATE BASE

- ⑥ ITEM 609 - CURB, STRAIGHT 18"
- ⑦ ITEM SS-1530 - 2.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ⑧ ITEM 608 - CONCRETE WALK, 4"
- ⑨ ITEM 204 - SUBGRADE COMPACTION
- ⑩ ITEM 204 - PROOF ROLLING

EXISTING LEGEND

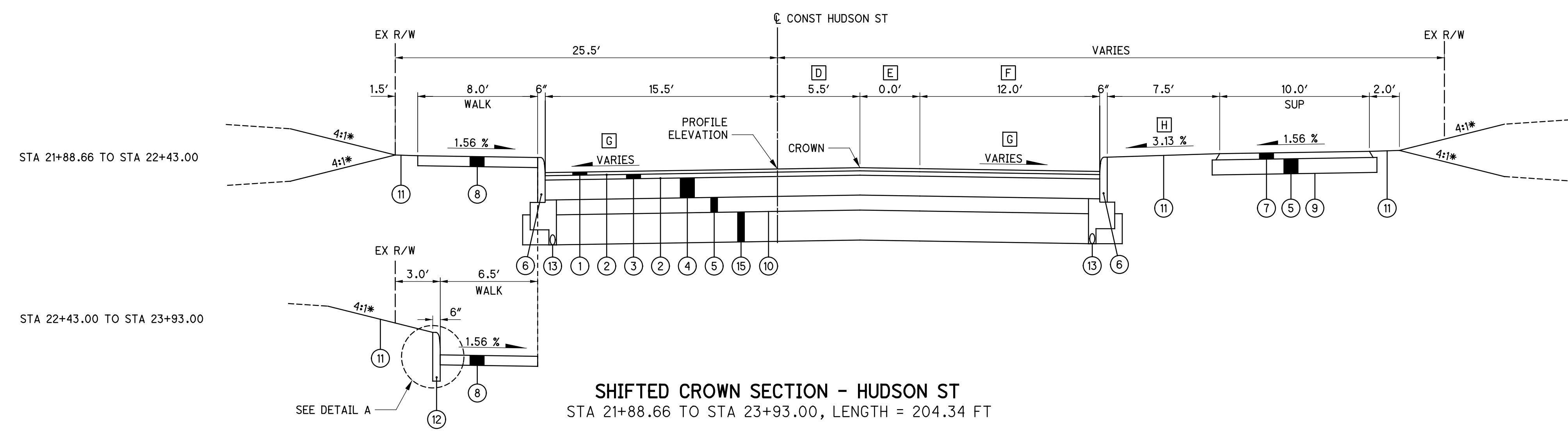
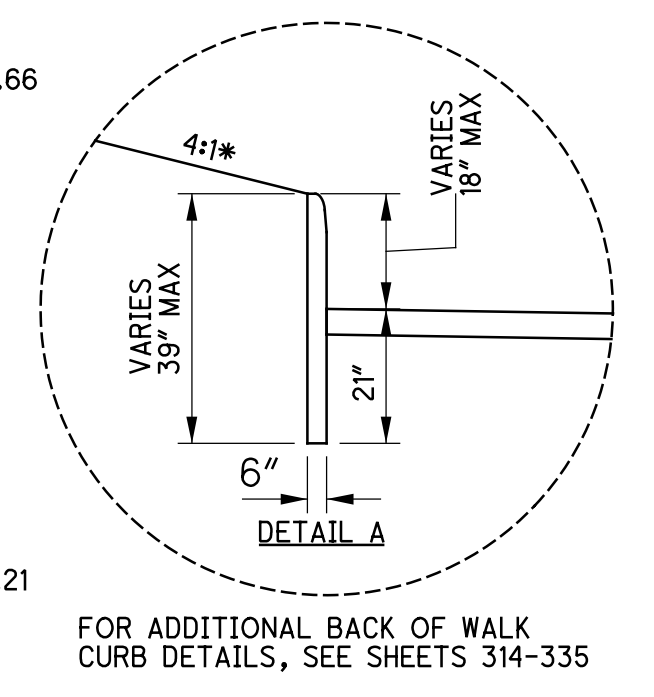
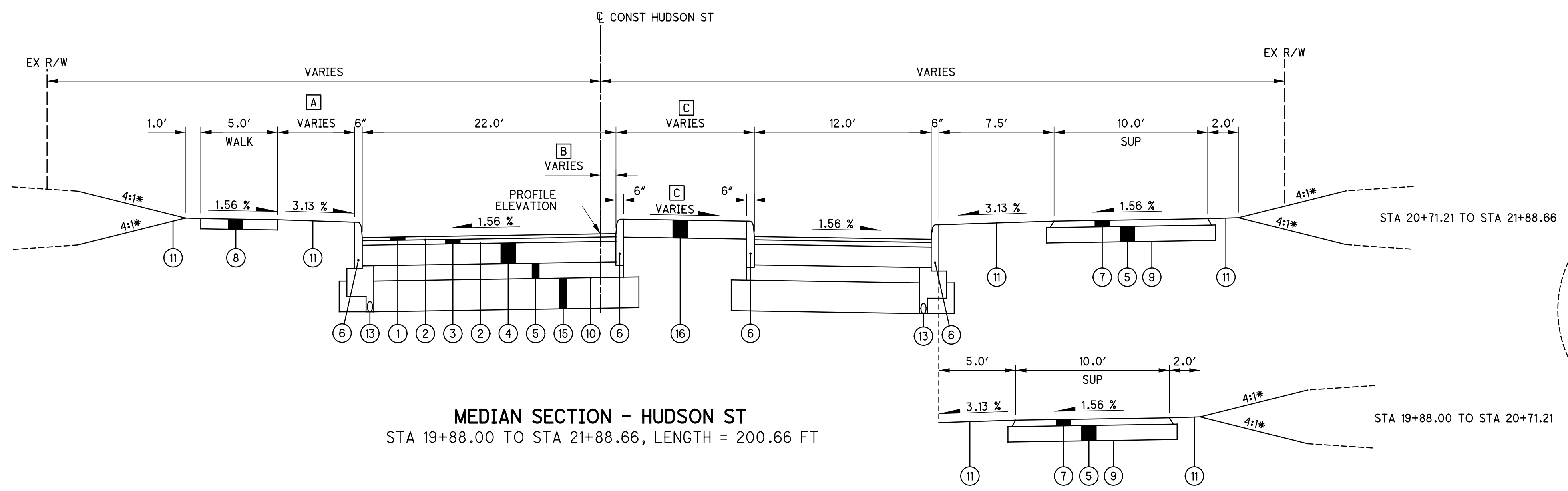
- ⑪ ITEM 659 - SEEDING AND MULCHING
- ⑫ ITEM 609 - CURB, AS PER PLAN (SEE CURB DETAILS, SHEETS 314-335)
- ⑬ ITEM 605 - 4" PIPE UNDERDRAIN
- ⑭ ITEM 452 - 11" NON-REINFORCED CONCRETE PAVEMENT
- ⑮ ITEM 206 - CEMENT STABILIZED SUBGRADE, 12" DEEP
- ⑯ ITEM 452 - 7" NON-REINFORCED CONCRETE PAVEMENT

- (A) EXISTING ASPHALT CONCRETE
- (B) EXISTING CONCRETE WALK
- (C) EXISTING CURB

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- A** VARIES FROM 4.8' AT STA 19+88.00 TO 7.5' AT STA 20+14.69  
7.5' FROM STA 20+14.69 TO STA 20+73.12  
VARIES FROM 7.5' AT STA 20+73.12 TO 10.5' AT STA 21+34.25  
FOR STA 21+34.25 TO STA 21+88.66, SEE INTERSECTION DETAIL SHEET 257
- B** 1.0' FROM STA 19+88.00 TO STA 20+93.00  
VARIES FROM 1.0' AT STA 20+93.00 TO 5.5' AT STA 21+84.88  
5.5' FROM STA 21+84.88 TO STA 21+88.66
- C** FOR MEDIAN DETAILS SEE SHEET 254
- D** VARIES FROM 5.5' AT STA 23+43.00 TO 0.0' AT STA 23+93.00
- E** VARIES FROM 5.0' AT STA 21+88.66 TO 0.0' AT STA 22+89.64
- F** VARIES FROM 12.0' AT STA 23+43.00 TO 15.5' AT STA 23+93.00
- G** 1.56% FROM STA 21+88.66 TO STA 23+43.00  
VARIES FROM 1.56% AT STA 23+43.00 TO 2.00% AT STA 23+93.00
- H** VARIES 1.56% MIN TO 3.13% MAX STA 22+50.00 TO STA 23+93.00



\*3:1 MAX, 4:1 PREFERRED

**LEGEND**

- |   |   |   |
|---|---|---|
| ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M                          | ⑥ ITEM 609 - CURB, STRAIGHT 18"   | ⑪ ITEM 659 - SEEDING AND MULCHING                                 |
| ② ITEM 407 - TRACKLESS TACK COAT  | ⑦ ITEM SS-1530 - 2.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 | ⑫ ITEM 609 - CURB, AS PER PLAN (SEE CURB DETAILS, SHEETS 314-335) |
| ③ ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2                               | ⑧ ITEM 608 - CONCRETE WALK, 4"  | ⑬ ITEM 605 - 4" PIPE UNDERDRAIN                                   |
| ④ ITEM 305 - 8" PORTLAND CEMENT CONCRETE BASE OR ITEM 307 - 8" ROLLER COMPACTED CONCRETE BASE | ⑨ ITEM 204 - SUBGRADE COMPACTION  | ⑭ ITEM 452 - 11" NON-REINFORCED CONCRETE PAVEMENT                 |
| ⑤ ITEM 304 - 6" AGGREGATE BASE  | ⑩ ITEM 204 - PROOF ROLLING  | ⑮ ITEM 206 - CEMENT STABILIZED SUBGRADE, 12" DEEP                 |
|   |   | ⑯ ITEM 452 - 7" NON-REINFORCED CONCRETE PAVEMENT                  |

**EXISTING LEGEND**

- (A) EXISTING ASPHALT CONCRETE
- (B) EXISTING CONCRETE WALK
- (C) EXISTING CURB

**TYPICAL SECTIONS**

**HUDSON ST**

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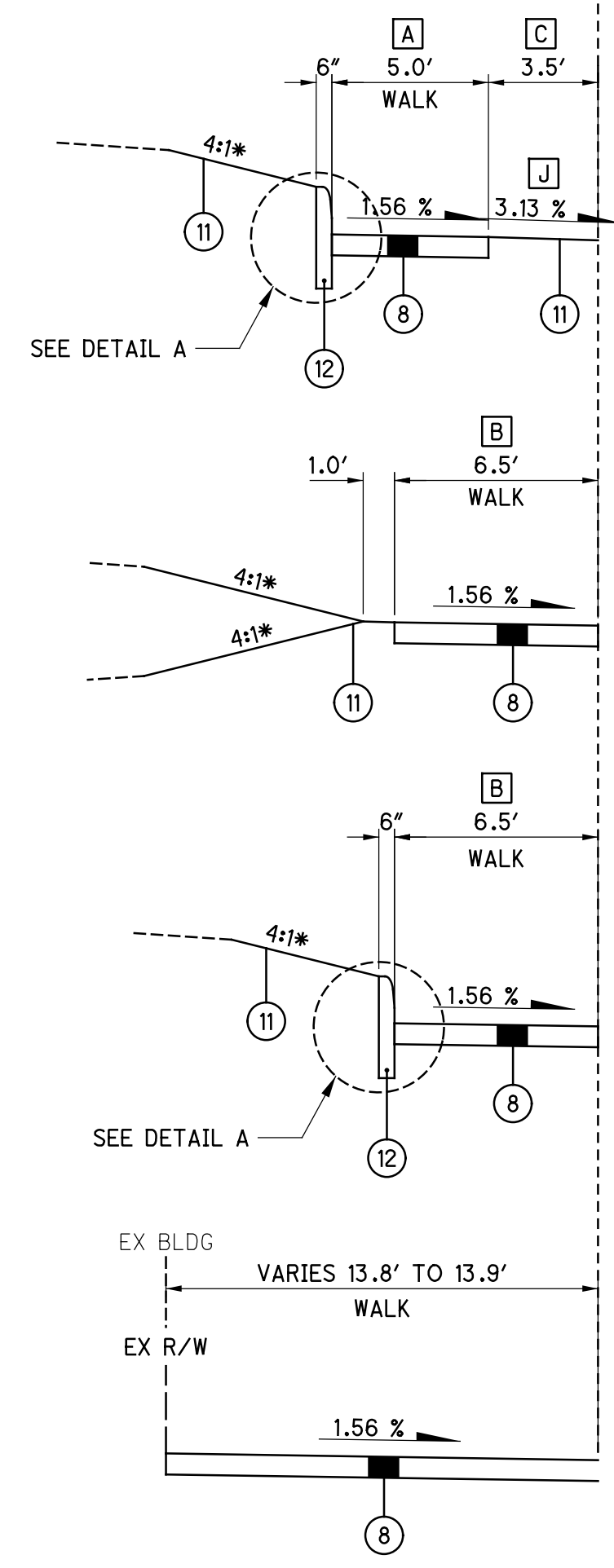
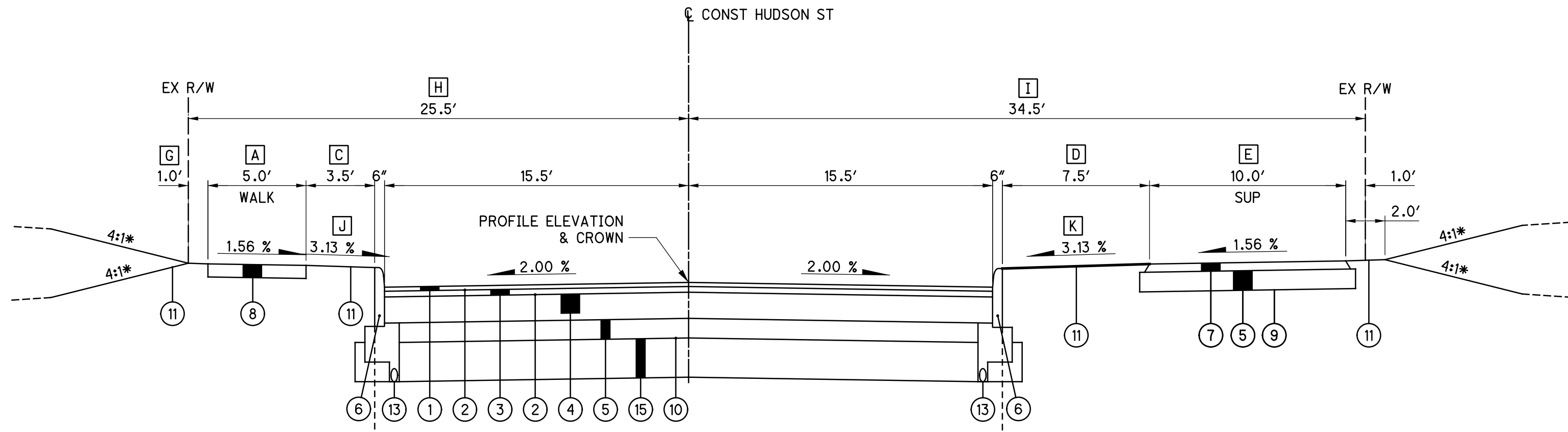
STA 26+62.23 TO STA 28+40.00  
STA 30+99.63 TO STA 32+89.93  
STA 34+19.03 TO STA 36+00.86  
STA 36+67.78 TO STA 37+13.10  
STA 45+10.00 TO STA 48+81.46  
STA 54+58.90 TO STA 55+00.00  
STA 58+27.00 TO STA 61+84.49  
STA 62+98.83 TO STA 63+90.94  
STA 65+22.85 TO STA 68+94.25  
STA 69+25.19 TO STA 80+46.94  
STA 80+76.17 TO STA 86+29.08  
STA 86+53.74 TO STA 86+97.25  
STA 87+15.29 TO STA 87+85.00  
STA 88+10.22 TO STA 91+24.37

STA 30+45.00 TO STA 30+99.63  
STA 32+89.93 TO STA 34+19.03  
STA 36+00.86 TO STA 36+67.78  
STA 37+13.10 TO STA 37+55.29  
STA 48+81.46 TO STA 54+58.90  
STA 55+00.00 TO STA 58+27.00  
STA 61+84.49 TO STA 62+98.83  
STA 63+90.94 TO STA 65+22.85  
STA 68+94.25 TO STA 69+25.19  
STA 80+46.94 TO STA 80+76.17  
STA 86+29.08 TO STA 86+53.74  
STA 86+97.25 TO STA 87+15.29  
STA 87+85.00 TO STA 88+10.22

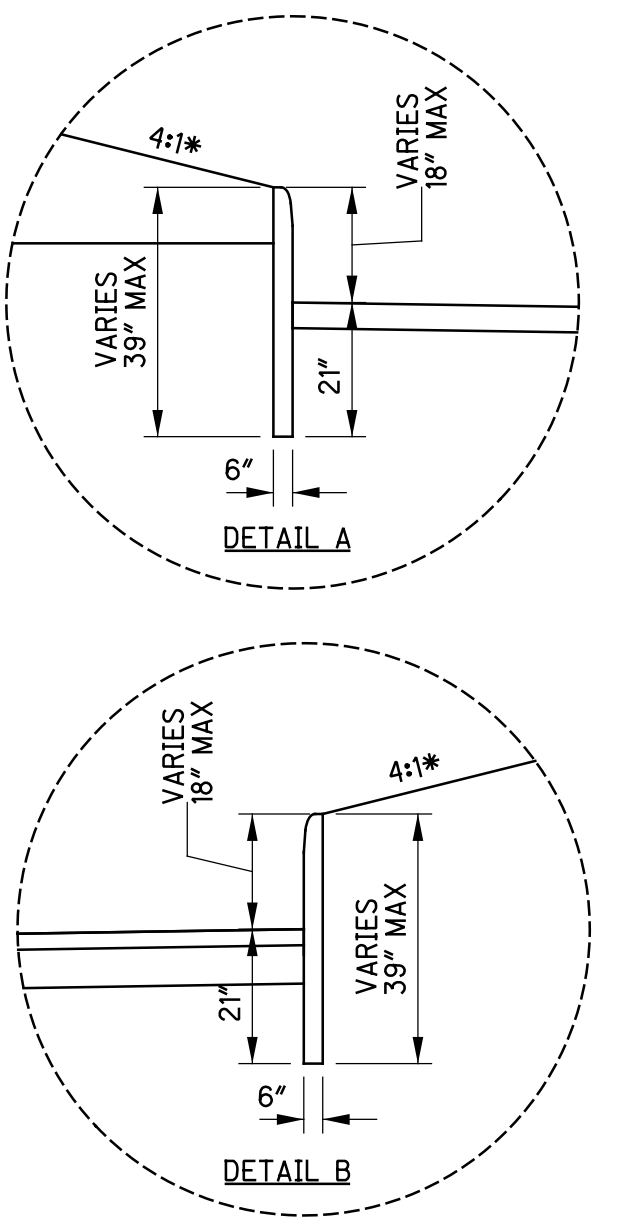
STA 24+39.48 TO STA 26+62.23  
STA 28+40.00 TO STA 30+25.00  
STA 37+70.34 TO STA 38+73.01  
STA 39+13.61 TO STA 39+63.46  
STA 41+21.15 TO STA 42+34.93  
STA 42+82.52 TO STA 43+85.46  
STA 44+25.94 TO STA 45+10.00

STA 23+93.00 TO STA 24+39.48  
STA 30+25.00 TO STA 30+45.00  
STA 37+55.29 TO STA 37+70.34  
STA 38+73.01 TO STA 39+13.61  
STA 39+63.46 TO STA 41+21.15  
STA 42+34.93 TO STA 42+82.52  
STA 43+85.46 TO STA 44+25.94

STA 91+24.37 TO STA 92+13.00



**NORMAL SECTION - HUDSON ST**  
STA 23+93.00 TO STA 92+13.00, LENGTH = 6820 FT



FOR ADDITIONAL BACK OF WALK CURB DETAILS, SEE SHEETS 314-335

STA 23+93.00 TO STA 26+00.00  
STA 28+11.00 TO STA 29+70.00  
STA 30+51.00 TO STA 33+09.00  
STA 33+94.76 TO STA 34+65.11  
STA 34+85.81 TO STA 37+02.54  
STA 37+63.77 TO STA 38+28.02  
STA 39+03.56 TO STA 39+23.56  
STA 39+44.26 TO STA 41+81.23  
STA 43+87.95 TO STA 44+44.18  
STA 44+95.00 TO STA 45+24.40  
STA 45+73.56 TO STA 46+36.00  
STA 46+57.00 TO STA 47+50.00  
STA 52+40.06 TO STA 52+52.06  
STA 52+75.01 TO STA 53+60.62  
STA 54+08.71 TO STA 55+30.50  
STA 58+18.00 TO STA 58+20.64  
STA 59+41.51 TO STA 59+68.81  
STA 61+56.26 TO STA 63+34.08  
STA 65+43.33 TO STA 65+55.96  
STA 66+02.18 TO STA 68+20.05  
STA 68+80.86 TO STA 71+99.15  
STA 72+20.65 TO STA 87+43.06  
STA 88+80.00 TO STA 89+30.33  
STA 89+45.61 TO STA 90+50.80  
STA 90+67.55 TO STA 92+13.00

STA 26+00.00 TO STA 28+11.00  
STA 29+70.00 TO STA 30+51.00  
STA 33+09.00 TO STA 33+47.00  
STA 34+65.11 TO STA 34+85.81  
STA 37+02.54 TO STA 37+63.77  
STA 39+23.56 TO STA 39+44.26  
STA 41+81.23 TO STA 42+16.38  
STA 42+52.20 TO STA 42+95.00  
STA 44+44.18 TO STA 44+95.00  
STA 45+24.40 TO STA 45+73.56  
STA 46+36.00 TO STA 46+57.00  
STA 47+50.00 TO STA 52+40.06  
STA 53+60.62 TO STA 54+08.71  
STA 55+30.50 TO STA 58+18.00  
STA 58+20.64 TO STA 59+41.51  
STA 59+68.81 TO STA 61+56.26  
STA 63+34.08 TO STA 65+43.33  
STA 65+55.96 TO STA 66+02.18  
STA 68+20.05 TO STA 68+80.86  
STA 71+99.15 TO STA 72+20.65  
STA 87+43.06 TO STA 88+80.00  
STA 89+30.33 TO STA 89+45.61  
STA 90+50.80 TO STA 90+67.55

STA 33+67.87 TO STA 33+94.76  
STA 38+28.02 TO STA 39+03.56  
STA 42+16.38 TO STA 42+52.20  
STA 43+25.42 TO STA 43+87.95  
STA 52+52.06 TO STA 52+75.01

STA 33+47.00 TO STA 33+67.87  
STA 42+95.00 TO STA 43+25.42

- A** 6.1' FROM STA 36+67.78 TO STA 37+13.10  
8.5' FROM STA 51+90.00 TO STA 51+95.00  
8.5' FROM STA 64+90.00 TO STA 64+95.00  
8.5' FROM STA 77+27.00 TO STA 77+32.00  
8.5' FROM STA 89+95.23 TO STA 90+15.20  
**B** VARIES FROM 8.5' AT STA 28+40.00 TO 6.5' AT STA 28+60.00  
6.5' FROM STA 28+60.00 TO STA 29+84.49  
11.5' FROM STA 29+84.49 TO STA 30+19.74  
9.5' FROM STA 30+19.74 TO STA 30+25.00  
8.5' FROM STA 30+25.00 TO STA 30+45.00  
5.0' FROM STA 37+55.29 TO STA 37+74.00  
9.5' FROM STA 37+74.00 TO STA 38+94.61  
8.0' FROM STA 39+13.61 TO STA 39+18.61  
VARIES FROM 6.5' AT STA 44+90.00 TO 8.5' AT STA 45+10.00  
**C** 0.0' FROM STA 31+63.00 TO STA 31+68.00  
0.0' FROM STA 45+55.00 TO STA 45+60.00  
0.0' FROM STA 51+90.00 TO STA 51+95.00  
0.0' FROM STA 64+90.00 TO STA 64+95.00  
0.0' FROM STA 77+27.00 TO STA 77+32.00  
**D** VARIES FROM 7.5' AT STA 33+47.00 TO 4.5' AT STA 33+75.00  
4.5' FROM STA 33+75.00 TO STA 33+84.50  
VARIES FROM 4.5' AT STA 33+84.50 TO 6.5' AT STA 33+94.76  
6.5' FROM STA 33+94.74 TO STA 33+99.76  
5.5' FROM STA 38+28.02 TO STA 39+03.56  
5.5' FROM STA 39+23.56 TO STA 44+63.04  
VARIES FROM 7.5' AT STA 45+65.00 TO 4.5' AT STA 46+25.00  
4.5' FROM STA 46+25.00 TO STA 47+76.95  
VARIES FROM 7.5' AT STA 52+15.82 TO 6.5' AT STA 52+40.06  
6.5' FROM STA 52+40.06 TO STA 52+75.01  
6.5' FROM STA 52+75.01 TO STA 53+91.92  
VARIES FROM 7.5' AT STA 59+10.00 TO 4.5' AT STA 59+40.00  
4.5' FROM STA 59+40.00 TO STA 60+49.14  
VARIES FROM 7.5' AT STA 89+70.99 TO 3.9' AT STA 90+50.82  
VARIES FROM 3.9' AT STA 90+50.82 TO 3.2' AT STA 90+67.55  
3.5' FROM STA 90+67.55 TO STA 92+13.00  
**E** VARIES FROM 10.0' AT STA 33+47.00 TO 9.0' AT STA 33+76.50  
9.0' FROM STA 33+76.50 TO STA 33+84.50  
VARIES FROM 9.0' AT STA 33+84.50 TO 10.0' AT STA 33+94.76  
12.0' FROM STA 39+23.56 TO STA 41+63.10  
VARIES FROM 12.0' AT STA 41+63.10 TO 10.0' AT STA 41+81.23  
VARIES FROM 11.5' AT STA 46+62.00 TO 15.4' AT STA 46+92.09  
VARIES FROM 11.3' AT STA 47+62.75 TO 10.0' AT STA 47+76.95  
VARIES FROM 10.0' AT STA 52+15.82 TO 11.0' AT STA 52+40.06
- F** VARIES FROM 0.0' AT STA 33+47.00 TO 1.8' AT STA 33+67.87  
VARIES FROM 3.6' AT STA 33+67.87 TO 4.8' AT STA 33+76.50  
4.8' FROM STA 33+76.50 TO STA 33+84.50  
VARIES FROM 4.8' AT STA 33+84.50 TO 1.7' AT STA 33+94.76  
VARIES FROM 2.6' AT STA 38+28.02 TO 2.7' AT STA 39+03.56  
VARIES FROM 2.8' AT STA 42+16.38 TO 2.6' AT STA 42+52.20  
VARIES FROM 3.7' AT STA 43+25.42 TO 3.3' AT STA 43+87.95  
VARIES FROM 2.1' AT STA 52+52.06 TO 2.0' AT STA 52+75.01  
**G** VARIES FROM 1.0' AT STA 89+63.03 TO 5.4' AT STA 90+69.08  
**H** VARIES FROM 25.5' AT STA 89+63.03 TO 30.0' AT STA 90+80.82  
30.0' FROM STA 90+80.82 TO STA 92+13.00  
**I** VARIES FROM 34.5' AT STA 89+63.03 TO 30.0' AT STA 90+80.82  
30.0' FROM STA 90+80.82 TO STA 92+13.00  
**J** VARIES 1.43% MIN TO 16.3% MAX STA 36+52.76 TO STA 37+35.29  
1.56% FROM STA 45+55.00 TO STA 45+85.00  
1.56% FROM STA 51+90.00 TO STA 52+20.00  
1.56% FROM STA 64+58.00 TO STA 64+88.00  
1.56% FROM STA 77+27.00 TO STA 77+57.00  
VARIES 0.34% MIN TO 3.13% MAX STA 88+50.00 TO STA 89+50.00  
**K** VARIES 1.56% MIN TO 3.13% MAX STA 24+50.00 TO STA 25+27.00  
1.56% FROM STA 25+27.00 TO STA 25+57.00  
1.56% FROM STA 33+45.00 TO STA 33+75.00  
1.56% FROM STA 40+30.00 TO STA 40+60.00  
VARIES 0.36% MIN TO 1.64% MAX STA 42+50.00 TO STA 43+87.95  
1.56% FROM STA 46+08.00 TO STA 46+38.00  
VARIES 0.10% MIN TO 3.13% MAX STA 48+00.00 TO STA 50+00.00  
1.56% FROM STA 55+28.00 TO STA 55+58.00  
VARIES 1.00% MIN TO 3.13% MAX STA 57+50.00 TO STA 58+50.00  
1.56% FROM STA 67+40.00 TO STA 67+70.00  
1.56% FROM STA 79+60.00 TO STA 79+90.00  
VARIES 0.30% MIN TO 1.56% MAX STA 91+27.52 TO STA 91+58.00  
1.56% FROM STA 91+58.00 TO STA 91+88.00  
VARIES FROM 1.56% MIN TO 1.80% MAX STA 91+88.00 TO STA 92+13.00

- LEGEND**
- ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M
  - ② ITEM 407 - TRACKLESS TACK COAT
  - ③ ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2
  - ④ ITEM 305 - 8" PORTLAND CEMENT CONCRETE BASE OR ITEM 307 - 8" ROLLER COMPACTED CONCRETE BASE
  - ⑤ ITEM 304 - 6" AGGREGATE BASE
  - ⑥ ITEM 609 - CURB, STRAIGHT 18"
  - ⑦ ITEM SS-1530 - 2.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
  - ⑧ ITEM 608 - CONCRETE WALK, 4"
  - ⑨ ITEM 204 - SUBGRADE COMPACTION
  - ⑩ ITEM 204 - PROOF ROLLING
  - ⑪ ITEM 659 - SEEDING AND MULCHING
  - ⑫ ITEM 609 - CURB, AS PER PLAN (SEE CURB DETAILS, SHEETS 314-335)
  - ⑬ ITEM 605 - 4" PIPE UNDERDRAIN
  - ⑭ ITEM 452 - 11" NON-REINFORCED CONCRETE PAVEMENT
  - ⑮ ITEM 206 - CEMENT STABILIZED SUBGRADE, 12" DEEP
  - ⑯ ITEM 452 - 7" NON-REINFORCED CONCRETE PAVEMENT

- EXISTING LEGEND**
- (A) EXISTING ASPHALT CONCRETE
  - (B) EXISTING CONCRETE WALK
  - (C) EXISTING CURB

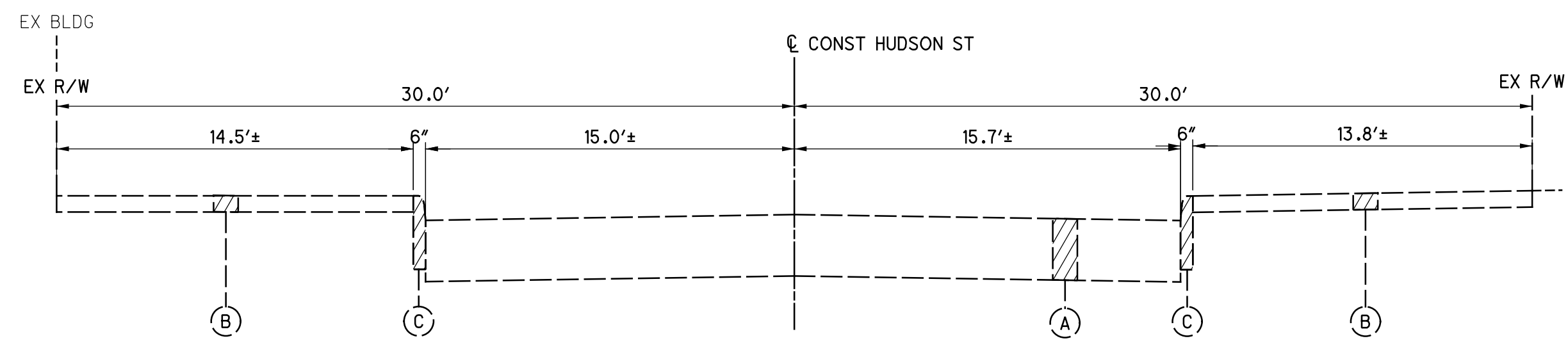
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**TYPICAL SECTIONS**

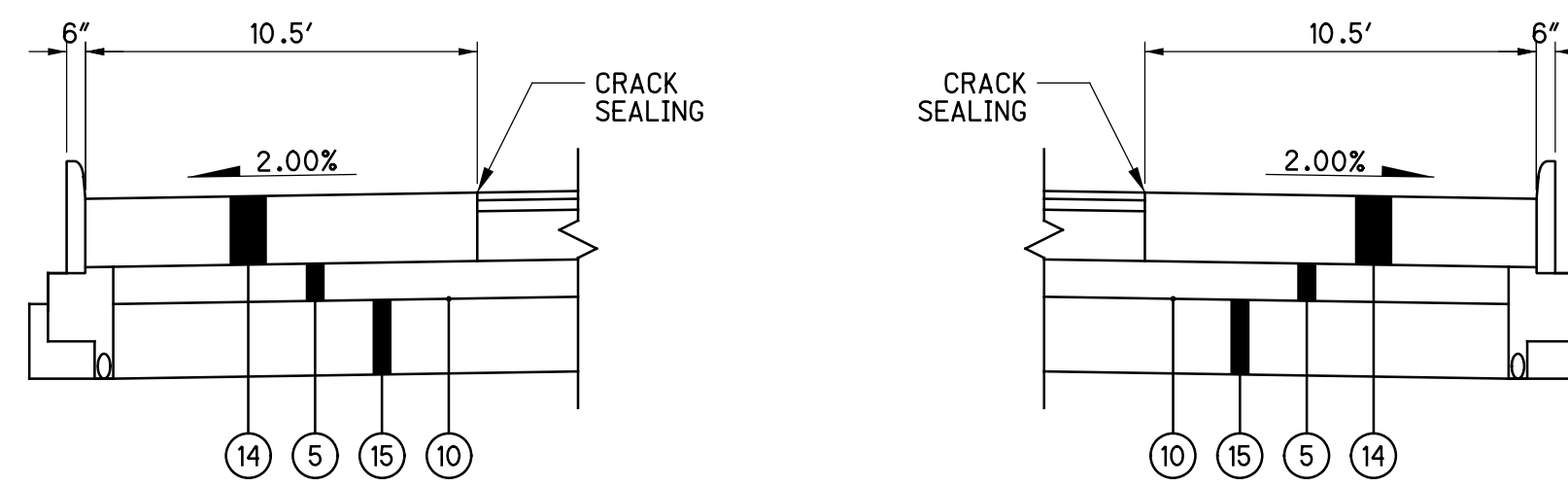
**HUDSON ST**



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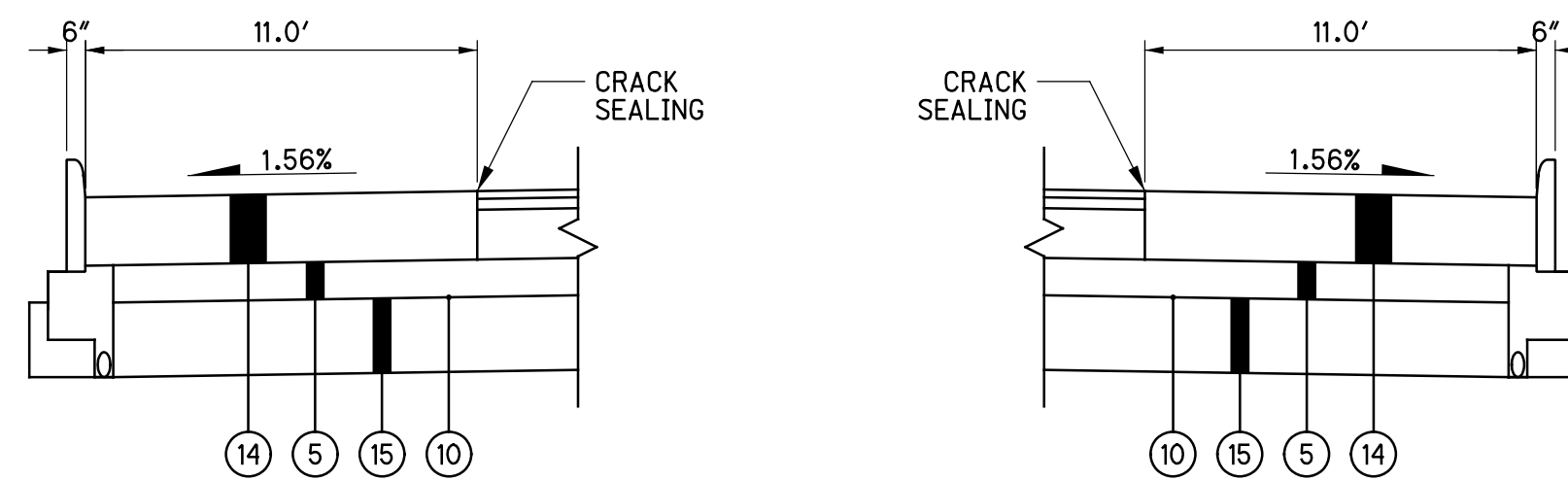
ADJOINING SECTION - HUDSON ST  
STA 92+13.00



CONCRETE BUS PADS - HUDSON ST

LEFT SIDE  
 STA 22+13.00 TO STA 23+18.00  
 STA 29+85.00 TO STA 30+90.00  
 STA 38+93.00 TO STA 39+98.00  
 STA 45+05.00 TO STA 46+45.00  
 STA 51+65.00 TO STA 52+45.00  
 STA 64+33.00 TO STA 65+13.00  
 STA 77+02.00 TO STA 77+82.00  
 STA 91+23.00 TO STA 92+13.00

RIGHT SIDE  
 STA 24+67.00 TO STA 26+07.00  
 STA 32+95.00 TO STA 34+00.00  
 STA 39+80.00 TO STA 40+85.00  
 STA 45+58.00 TO STA 46+63.00  
 STA 54+68.00 TO STA 56+08.00  
 STA 67+15.00 TO STA 67+95.00  
 STA 79+35.00 TO STA 80+15.00  
 STA 91+23.00 TO STA 92+13.00



CONCRETE BUS PADS - MCGUFFEY RD

LEFT SIDE  
 STA 10+76.00 TO STA 11+10.00

RIGHT SIDE  
 STA 10+85.00 TO STA 11+10.00

LEGEND

- |   |  |   |
|---|--|---|
| ① ITEM 441 - 1.25\" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M                           | ⑥ ITEM 609 - CURB, STRAIGHT 18"  | ⑪ ITEM 659 - SEEDING AND MULCHING                                 |
| ② ITEM 407 - TRACKLESS TACK COAT  | ⑦ ITEM SS-1530 - 2.5\" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 | ⑫ ITEM 609 - CURB, AS PER PLAN (SEE CURB DETAILS, SHEETS 314-335) |
| ③ ITEM 441 - 1.75\" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2                                | ⑧ ITEM 608 - CONCRETE WALK, 4"   | ⑬ ITEM 605 - 4\" PIPE UNDERDRAIN                                  |
| ④ ITEM 305 - 8\" PORTLAND CEMENT CONCRETE BASE OR ITEM 307 - 8\" ROLLER COMPACTED CONCRETE BASE | ⑨ ITEM 204 - SUBGRADE COMPACTION   | ⑭ ITEM 452 - 11\" NON-REINFORCED CONCRETE PAVEMENT                |
| ⑤ ITEM 304 - 6\" AGGREGATE BASE   | ⑩ ITEM 204 - PROOF ROLLING   | ⑮ ITEM 206 - CEMENT STABILIZED SUBGRADE, 12\" DEEP                |
|   |  | ⑯ ITEM 452 - 7\" NON-REINFORCED CONCRETE PAVEMENT                 |

EXISTING LEGEND

- Ⓐ EXISTING ASPHALT CONCRETE
- Ⓑ EXISTING CONCRETE WALK
- Ⓒ EXISTING CURB



**PAVEMENT CUTTING, SAWING AND EXCAVATION OPERATIONS**

ALL PUBLIC AGENCIES AND PRIVATE CONTRACTORS PERFORMING PAVEMENT-CUTTING OPERATIONS ON CITY OF COLUMBUS STREETS AND ROADWAYS SHALL PROTECT THE ENVIRONMENT FROM DISCHARGES CREATED BY THEIR PAVEMENT CUTTING OPERATIONS. NOTE THAT COLUMBUS CITY CODE 1145 PROHIBITS NON-STORMWATER DISCHARGE INTO THE CITY OF COLUMBUS SEWER SYSTEM, CURB INLETS AND ANY PART OF ITS MS4 (MUNICIPAL SEPARATE STORM SEWER SYSTEM).

THE REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW-CUTTING, JACK HAMMERING, EXCAVATION EQUIPMENT USE, ETC. THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR WORK CREWS SHALL RECOVER AND DISPOSE OF DETRITUS, POLLUTED WATERS, OR OTHER SUCH DISCHARGES RESULTING FROM THEIR PAVEMENT CUTTING OPERATIONS AND PROTECT ALL STORM SEWER INLETS FROM RECEIVING ANY DISCHARGES FROM THE CONSTRUCTION OPERATIONS. THE AGENCY OR CONTRACTOR RESPONSIBLE FOR EACH PAVEMENT CUTTING ACTIVITY SHALL BE SOLELY LIABLE FOR NOTICE OF VIOLATIONS (NOV/S) AND FINES ISSUED BY CITY OF COLUMBUS AND/OR STATE OF OHIO AUTHORITIES.

EQUIPMENT, MATERIALS AND METHODS SHALL BE PROVIDED BY THE RESPONSIBLE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR TO WORK CREWS PERFORMING THE PAVEMENT CUTTING ACTIVITY AND MADE AVAILABLE TO WORK CREWS FOR USE IN CLEANING UP DISCHARGES RESULTING FROM SUCH CUTTING ACTIVITIES AND PREVENTING RUNOFF. ALL WORK CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY EQUIPMENT, MATERIALS, AND ENVIRONMENTAL PROTECTIVE MEASURES TO PREVENT POLLUTED DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEM AND WATERS OF THE STATE OF OHIO.

THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE INLET PROTECTION IS ADEQUATE. THE MOST STRINGENT PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDING STORMWATER POLLUTION PREVENTION PLAN (SWP3) OR SPILL PREVENTION/REMEDATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING OR EXCAVATION OPERATIONS.

**EROSION AND SEDIMENT CONTROL**

EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED AS PART OF THIS PROJECT. EROSION AND SEDIMENT CONTROL MEASURES SPECIFIC TO THIS SITE MAY BE FOUND ON SHEET NOS 66 - 72 OF THIS PLAN. LAND-DISTURBING ACTIVITIES MUST COMPLY WITH ALL PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE EROSION AND SEDIMENT CONTROL REGULATION. ALL LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS AND/OR THE OHIO EPA.

ALL EROSION SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF COLUMBUS, PROJECT ENGINEER, AND/OR THE OHIO EPA.

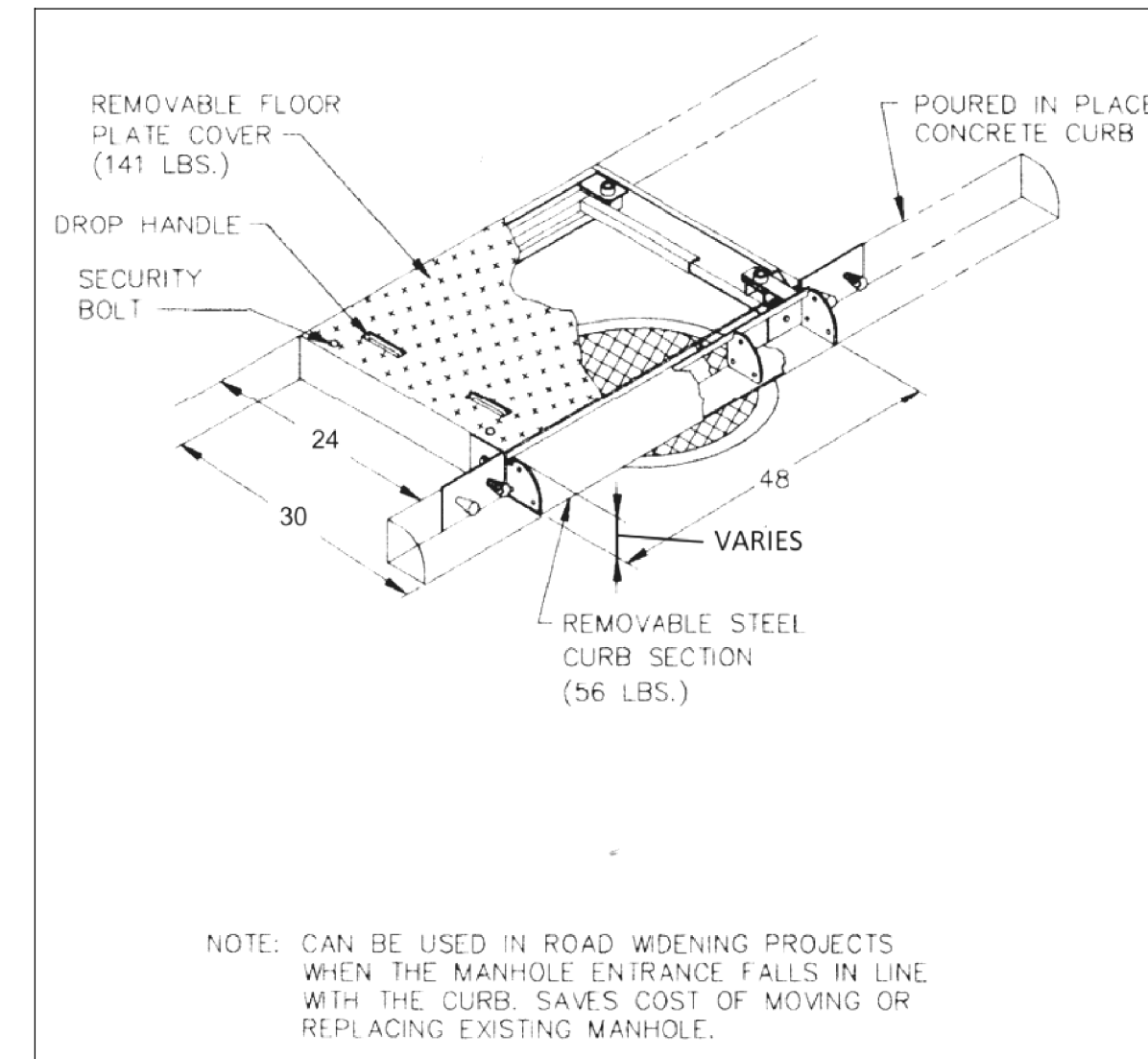
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CITY OF COLUMBUS TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF INITIAL SITE LAND DISTURBANCE ON ANY SITE OF ONE (1) OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING, AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENT CONTROL PRACTICES ARE MANDATED BY REGULATIONS TO BE IN PLACE FROM THE BEGINNING OF THE CONSTRUCTION ACTIVITY. PLEASE CONTACT THE STORMWATER MANAGEMENT OFFICE AT 614-645-6700 OR BY FAX AT 614-645-1506. DETAILS OF THIS REQUIREMENT MAY BE FOUND IN THE EROSION AND SEDIMENT CONTROL REGULATION (ADOPTED JUNE 1, 1994). FAILURE TO COMPLY MAY RESULT IN ENFORCEMENT ACTION AS DETAILED IN THE COLUMBUS CITY CODES SECTION 1145.80.

THE NPDES PERMIT HOLDER SHALL PROVIDE QUALIFIED PERSONNEL TO CONDUCT SITE INSPECTIONS ENSURING PROPER FUNCTIONALITY OF THE EROSION AND SEDIMENTATION CONTROLS. ALL EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSPECTED ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF A 1/2" STORM EVENT OR GREATER THAT OCCURS OVER A 24 HOUR PERIOD. RECORDS OF THE SITE INSPECTIONS SHALL BE KEPT BY THE CONTRACTOR AND MADE AVAILABLE TO JURISDICTIONAL AGENCIES IF REQUIRED.

THIS PLAN MUST BE POSTED ON SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON THE SITE AT ALL TIMES.

**ITEM SPECIAL - MANHOLE CURB ENTRANCE**

MANHOLE CURB ENTRANCE SHALL BE PROVIDED AT THE LOCATION SPECIFIED IN THE PLANS ON SHEET 137 PER THE DETAIL BELOW. PAYMENT SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM SPECIAL - MANHOLE CURB ENTRANCE, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT, AND MATERIALS NECESSARY TO CONSTRUCT THE MANHOLE CURB ENTRANCE.



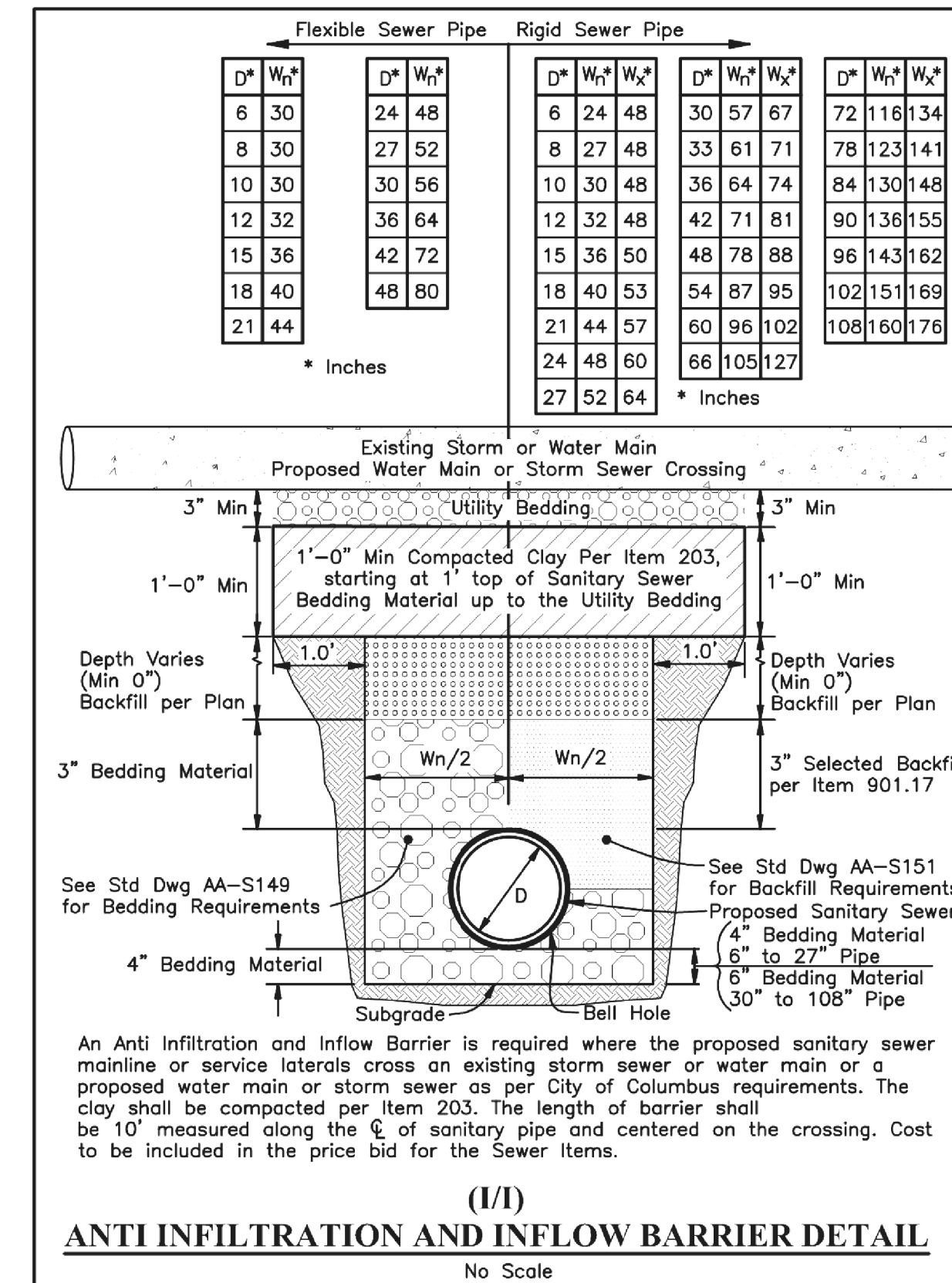
**ITEM SPECIAL - BICYCLE DETECTOR PAVEMENT MARKING, AS PER PLAN**

THE BICYCLE DETECTOR PAVEMENT MARKING MATERIAL SHALL BE WHITE RETRO-REFLECTIVE, HIGH SKID RESISTANT PREFORMED THERMOPLASTIC PAVEMENT MARKING MATERIAL SUITABLE FOR USE ON ROADWAYS TO DELINEATE BICYCLE LOOP DETECTORS. THE HEAT-FUSED PREFORMED PAVEMENT MARKING MATERIAL SHALL COMPLY WITH SECTION 647 AND SECTION 740.08 FOR: TYPE-B90, 90 MILL THICKNESS MATERIAL OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS, LATEST EDITION. THE PREFORMED THERMOPLASTIC PAVEMENT MARKING MATERIAL SHALL BE SUPPLIED AT A MINIMUM 90 MIL THICKNESS AND BE CAPABLE OF BEING APPLIED ON BITUMINOUS AND/OR PORTLAND CEMENT CONCRETE PAVEMENTS WITH THE NORMAL USE OF A HANDHELD HEAT TORCH, INFRARED HEATER, OR A BLUE-FLAME RADIANT HEATER.

THE MATERIAL SHALL BE CAPABLE OF BEING APPLIED ON BITUMINOUS AND/OR PORTLAND CEMENT CONCRETE PAVEMENTS WITHOUT PREHEATING THE APPLICATION SURFACE TO A SPECIFIC TEMPERATURE. THE MATERIAL SHALL NOT REQUIRE THE PORTLAND CEMENT CONCRETE APPLICATION AREAS TO BE CURED OR DRIED OUT. THE MATERIAL SHALL BE CAPABLE OF CONFORMING TO PAVEMENT CONTOURS, BREAKS OR FAULTS THROUGH THE ACTION OF TRAFFIC AT NORMAL PAVEMENT TEMPERATURES. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR THE SURFACE PREPARATION AND SHALL PROVIDE IN THE COSTS OF MATERIAL AND USE ANY PRIMER AND/OR SEALER REQUIRED FOR MATERIAL INSTALLATION.

THE BICYCLE PAVEMENT MARKING SHALL CONFORM TO THE SHAPE AND SIZE SHOWN IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, PART 9, FIGURE 9c-7 AND TO THE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 4301.

**ANTI-INFILTRATION AND INFLOW BARRIER DETAIL**



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GENERAL NOTES

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TEMPORARY TRAFFIC CONTROL

- 1. ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (CURRENT EDITION)...
2. CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR...
3. THE CONTRACTOR SHALL GIVE ADVANCE NOTIFICATION (WRITTEN AND VERBALLY) TO THE TEMPORARY TRAFFIC CONTROL COORDINATOR AT 614-645-0355 OR 614-645-5845...
4. OHIO STATE FAIR - LANE AND SHOULDER CLOSURES ON I-71 BETWEEN I-70 AND SR 161 AND RAMP CLOSURES TO AND FROM 11TH AVENUE AND 17TH AVENUE ARE NOT PERMITTED DURING FAIR HOURS FROM 2 HOURS PRIOR TO GATES OPENING TO 2 HOURS FOLLOWING THE END OF THE LAST EVENT INCLUDING BUT NOT LIMITED TO RELATED CONCERTS...
5. MAPFRE (CREW) STADIUM EVENTS WITH EXPECTED ATTENDANCE OVER 10,000 - LANE AND SHOULDER CLOSURES ON I-71 BETWEEN I-70 AND SR161 AND RAMP CLOSURES TO AND FROM 11TH AVENUE , 17TH AVENUE AND HUDSON STREET ARE NOT PERMITTED FROM 2 HOURS PRIOR TO KICKOFF (INBOUND AND OUTBOUND) TO 2 HOURS FOLLOWING THE CONCLUSION OF THE EVENT (OUTBOUND ONLY)...
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE...
7. MAINTAINING TRAFFIC DURING HOLIDAYS AND SPECIAL EVENTS
NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING DESIGNATED HOLIDAY OR SPECIAL EVENTS INCLUDING THE OHIO STATE FOOTBALL HOME GAMES...
8. THE CONTRACTOR SHALL CONTACT THE CITY OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR FOR ANY ADDITIONAL MOT REQUIREMENTS FOR SPECIAL EVENTS, INCLUDING OSU FOOTBALL HOME GAMES...
9. THE CONTRACTOR SHALL MAINTAIN ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS THROUGHOUT THIS PROJECT...

Table with 2 columns: TYPE OF CHANGE, ADVANCE NOTIFICATION NEEDED. Rows include: DETOURS/ROAD CLOSURES (30-DAY NOTIFICATION PRIOR TO CLOSURE), LANE CLOSURES LASTING 2 WEEKS OR MORE (2-WEEKS), LANE CLOSURES OF LESS THAN 2 WEEKS (3-DAYS), LANE CLOSURES OF 2 DAYS OR LESS (1-DAY).

THE COTA SENIOR SERVICE PLANNER SHALL BE CONTACTED 30 DAYS PRIOR TO ANY PLANNED CLOSURE ON ASSIGNED COTA ROUTES. ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS THEY OCCUR.

- 10. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE...
11. THE ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE IN PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER, ARE INSTALLED...
12. ITEM 614 - MAINTAINING TRAFFIC
ALL COSTS THAT CONSIST OF MAINTAINING AND PROTECTING VEHICULAR AND PEDESTRIAN TRAFFIC ACCORDING TO THE LATEST EDITION OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS...
13. ITEM 614 - LAW ENFORCEMENT OFFICER (LEO) WITH PATROL CAR, AS PER PLAN
IN ADDITION TO LEO AND FLAGGER HOURS INCLUDED IN ITEM 614 MAINTAINING TRAFFIC, LUMP SUM; THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY...
14. ITEM 614 - LAW ENFORCEMENT OFFICER (LEO) WITHOUT PATROL CAR, AS PER PLAN
IN ADDITION TO LEO AND FLAGGER HOURS INCLUDED IN ITEM 614 MAINTAINING TRAFFIC, LUMP SUM; THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY...
15. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE INSTALLED A MINIMUM OF 7 DAYS PRIOR TO CLOSURE OF A ROADWAY...

- WORK WITHIN A SIGNALIZED INTERSECTION, DEFINED AS THE AREA BOUNDED BY THE REAR X-WALK LINES
• WHEN FLAGGING WITHIN THE INTERSECTION OF TWO ARTERIAL ROADWAYS
• WHEN SPECIFIED IN THE MAINTENANCE OF TRAFFIC PLAN OR AS WHEN DIRECTED BY THE PROJECT ENGINEER
• WHEN SHIFTING TRAFFIC LEFT OF CENTER, THROUGH A SIGNALIZED INTERSECTION, WITHOUT SHIFTING SIGNAL HEADS

A FLAGGER SHALL BE UTILIZED TO ASSIST IN CONTROLLING TRAFFIC WHILE EQUIPMENT IS ENTERING OR EXITING AN INTERSECTION OR WORK ZONE. THE CONTRACTOR MAY UTILIZE HIS OWN FLAGGER OR LEO UNDER PAY ITEM 614 MAINTAINING TRAFFIC, LUMP SUM.

FLAGGERS AND LEO'S SHALL BE EQUIPPED ACCORDING TO THE STANDARDS FOR FLAGGING TRAFFIC CONTAINED IN THE OMTCD. FLAGGING OPERATIONS PERFORMED BY LEO'S OR DESIGNATED FLAGGERS SHALL ONLY BE PERMITTED AS LONG AS ALL TRAFFIC CONTROL IS IN PLACE ACCORDING TO FIGURE 6H-10 (TA-10) IN THE OHIO MANUAL. PATROL CARS SHALL NOT BE USED IN FLAGGING OPERATIONS.

IF THE CONTRACTOR WISHES TO UTILIZE LEO'S WITH OR WITHOUT PATROL CARS FOR TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL MAKE ARRANGEMENT THROUGH THE COLUMBUS POLICE DIVISION AT (614) 645-4795.

LEO'S SHALL BE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH EMPLOYED BY THE CONTRACTOR, THE CITY REPRESENTATIVE SHALL HAVE CONTROL OVER THEIR PLACEMENT. LEO'S SHALL NOT HAVE THE AUTHORITY TO CHANGE, EDIT OR MODIFY ANY MAINTENANCE OF TRAFFIC SCHEME WITHOUT THE PERMISSION OF THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR PROJECT ENGINEER UNLESS AN EMERGENCY DEVELOPS.

IF A SAFETY HAZARD DEVELOPS, A LEO MAY BE ASSIGNED BY THE COLUMBUS PUBLIC SAFETY AND/OR THE PUBLIC SERVICE DIRECTOR AT THE CONTRACTOR'S EXPENSE.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS PER PLAN - 120 HOURS

ITEM 614, LAW ENFORCEMENT OFFICER WITHOUT PATROL CAR, AS PER PLAN - 120 HOURS

- 16. WHEN NOT INCLUDED IN A SIGNED PLAN, A TTC PLAN (TTCP) INCLUDING PEDESTRIAN CONTROL SHALL BE SUBMITTED TO THE TTC COORDINATOR AT 614-645-0355 OR 614-645-5845 AT THE PRE-CONSTRUCTION MEETING OR A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO BEGINNING WORK FOR APPROVAL...
17. TYPE C STEADY-BURN OR TYPE D 360-DEGREE STEADY-BURN WARNING LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT...
18. A FLASHING ARROW PANEL (48" X 96"-TYPE C) SHALL BE USED IN LANE CLOSURES AS PER THE OHIO MANUAL...
19. ALL TRENCHES WITHIN THE ROAD RIGHT OF WAY SHALL BE BACKFILLED OR SECURELY PLATED PER (CITY OF COLUMBUS GENERAL POLICY ON STEEL PLATE USAGE DATED 11/15/2006 AND STD. DWG. 1441, LATEST EDITION) DURING NON-WORKING HOURS...
20. TEMPORARY TRAFFIC CONTROL SHALL BE PROVIDED AS DETAILED ON SHEETS 13 THROUGH 35...
21. TEMPORARY "EMERGENCY NO PARKING" SIGNS SHALL BE INSTALLED AT 50' C/C MINIMUM BY USE OF ANY OF THE FOLLOWING ITEMS: EXISTING SIGN POSTS, EXISTING UTILITY POLES, DRUMS AND/OR 42" CONES AND REMOVED BY THE CONTRACTOR IN AREAS WITH NO PARKING METERS...
22. THE CONTRACTOR SHALL CONTACT OHIO UTILITY PROTECTION SERVICE (OUPS) TO LOCATE AND MARK ALL UNDERGROUND TRAFFIC CONTROL CABLES PRIOR TO THE BEGINNING OF ANY WORK WITHIN 450 FEET OF ANY SIGNALIZED INTERSECTION(S) OR WITHIN ANY POSTED AREA WHERE THE DEPARTMENT HAS UNDERGROUND CABLE...
23. NO EXCAVATION SHALL BE MADE WITHIN FIVE (5) FEET OF ANY FOUNDATION THAT SUPPORTS SIGNAL POLES, TRAFFIC SIGNAL DISPLAYS OR SIGNS BY MAST ARM OR SIGNAL SPAN...
24. SIGNAL CONDUIT CLEARANCE 3' HORIZONTAL AND 1' VERTICAL FROM ADJACENT UTILITIES SHALL BE MAINTAINED AT ALL TIMES...
25. WHEN ANY TRAFFIC CONTROL DEVICE, CONDUIT, OR CABLE IS DAMAGED, THE CONTRACTOR SHALL NOTIFY SIGNAL OPERATION PERSONNEL AT 614-645-0423 (CELL 614-419-4501) BETWEEN 7:00 AM AND 4:00 PM, MONDAY THROUGH FRIDAY...
26. THE ROADWAY OR ANY SECTION OF ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL ALL TEMPORARY, NON-REFLECTIVE, BLACKOUT TAPE HAS BEEN COMPLETELY REMOVED FROM NON-CONFLICTING PERMANENT PAVEMENT MARKINGS FOR THAT AREA OF THE ROADWAY...
27. WHENEVER YELLOW CENTERLINES OR TURN-LANE LINES ARE PAVED OVER, REMOVED, OR OTHERWISE UNSERVICEABLE, THE CONTRACTOR SHALL INSTALL CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS)...
28. CLASS I TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS) SHALL BE AS PER ITEM 614 - WORK ZONE PAVEMENT MARKING AND SHALL BE PLACED WITHIN ONE (1) FOOT LONGITUDINAL TOLERANCE OF THE PERMANENT STRIPE(S)...

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MAINTENANCE OF TRAFFIC NOTES

HUDSON ST

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**EXISTING PERMANENT TRAFFIC CONTROL**

1. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING CONSTRUCTION. PERMANENT TRAFFIC CONTROL NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE REPLACED IMMEDIATELY.
3. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKERS (RPM) SHOWN IN CONFLICT, REMOVED DUE TO CONSTRUCTION OR MAINTENANCE OF TRAFFIC SET UP, DESTROYED, OR RENDERED UNSERVICEABLE BY THE PROJECT ENGINEER OR THE PUBLIC SERVICE PAVEMENT MARKING MANAGER. ALL PAVEMENT MARKING MATERIALS SHALL BE REPLACED IN-LIKE KIND IF NOT SHOWN IN THE PLAN OR PERMIT INCLUDING RAISED PAVEMENT MARKERS. ALL PAVEMENT MARKINGS SHALL BE REPLACED IN FULL. NO PARTIAL LENGTH OR SECTIONS OF PAVEMENT MARKINGS SHALL BE REPLACED WITHOUT REMOVING THE ENTIRE MARKING BY USE OF THE WATER BLAST METHOD. REMOVAL BY ABRASIVE WHEEL GRINDING SHALL ONLY BE APPROVED BY THE PUBLIC SERVICE PAVEMENT MARKING MANAGER.
4. ALL OVERHEAD CABLE, AND DOWN GUYS OR BACK GUYS SHALL NOT BLOCK ANY PORTION OF A TRAFFIC SIGNAL, TRAFFIC CONTROL SIGN, OR OTHER TRAFFIC CONTROL DEVICE SUCH THAT VISIBILITY OR OPERATION OF THE TRAFFIC CONTROL DEVICE IS IMPAIRED.
5. ALL PERMANENT PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS AS SHOWN ON THIS PLAN SHALL BE INSTALLED BY THE CONTRACTOR AT THE PROJECTS EXPENSE. THE PROJECT ENGINEER SHALL BE NOTIFIED TO DIRECT APPROPRIATE PERSONNEL A MINIMUM OF FORTY-EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE INSTALLATION OF PERMANENT MARKINGS TO INSPECT AND APPROVE THE PAVEMENT MARKING LAYOUT PRIOR TO PLACING THE PERMANENT MARKINGS.
6. PERMANENT STRIPING OR CLASS I TEMPORARY STRIPING SHALL BE INSTALLED NO LATER THAN FOURTEEN (14) CALENDAR DAYS AFTER THE FINAL PAVING COURSE IS COMPLETED. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE STRIPING CONTRACTOR TO INSURE THE PERMANENT STRIPING IS INSTALLED WITHIN THE FOURTEEN (14) CALENDAR DAY LIMIT.
7. AT ANY LOCATION WHERE THE CONTRACTOR DAMAGES DETECTORS AND/OR THEIR LEAD-IN CABLES THE CONTRACTOR SHALL REPLACE THEM. AT ANY LOCATION WHERE DETECTION IS CHANGED FROM MAG PROBE UNITS TO LOOPS, THE CONTRACTOR SHALL REPLACE THE PROBE LEAD-IN WITH LOOP LEAD-IN CABLE. ALL REPAIRS TO DETECTION SHALL BE COMPLETED WITHIN 21 DAYS FROM DAMAGE TO DETECTION ON A PER INTERSECTION BASIS. IF THE 21 DAY REPAIR REQUIREMENT CANNOT BE SATISFIED AT ANY LOCATION WHERE THE CONTRACTOR DAMAGES DETECTORS AND/OR THEIR LEAD-IN CABLES, THE CONTRACTOR, AT THE DISCRETION OF SIGNAL OPERATIONS PERSONNEL, MAY BE REQUIRED TO INSTALL A VERSICAM FLEX CAMERA SYSTEM, A WAVETRONIX RADAR SYSTEM, OR TEMPORARY LOOP DETECTION. ANY CONTRACTOR FAILING TO COMPLY WITH THESE GUIDELINES SHALL BE SUBJECT TO PENALTY TO THE SUM OF \$100.00 PER DAY FOR EACH DAY BEYOND THE 21 DAY REPAIR PERIOD ON A PER INTERSECTION BASIS, UNTIL CONDITIONS ARE MET TO THE SATISFACTION OF THE SIGNAL OPERATIONS PERSONNEL. THIS PENALTY DEDUCTION SHALL BE SPECIFIC FOR EACH SIGNALIZED INTERSECTION AFFECTED BY THIS PROJECT AND SEPARATE FROM ANY LIQUIDATED DAMAGES FOR THE PROJECT AS A WHOLE. THE WORK TO INSTALL THE DETECTION SHALL CONFORM TO THE CITY OF COLUMBUS STANDARD DRAWING 4300 AND THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, LATEST EDITION, WITH THE FOLLOWING PROVISIONS:
  - A. THE CONTRACTOR SHALL PROVIDE THE DEPARTMENT OF PUBLIC SERVICE'S INSPECTOR, PRIOR TO THE COMMENCEMENT OF WORK, THE IMSA (INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION) CERTIFICATION PAPERS FOR ALL SIGNAL TECHNICIANS WORKING ON THIS PROJECT.
  - B. LOCATIONS OF THE REPLACEMENT DETECTION SHALL BE FIELD MARKED OR DIMENSIONED DRAWINGS SHALL BE SUBMITTED TO THE CONSTRUCTION SECTION BY DEPARTMENT OF PUBLIC SERVICE PERSONNEL. LOCATION OF FINAL PAVEMENT MARKINGS OR THE MARKINGS THEMSELVES SHALL BE CLEARLY INDICATED ON THE ASPHALT PRIOR TO DETECTOR LOCATIONS BEING MARKED. THE CONTRACTOR SHALL LAYOUT THE LOOPS ON THE PAVEMENT IF DRAWINGS ARE SUBMITTED. IF DRAWINGS HAVE NOT BEEN PROVIDED, CONTACT SIGNAL OPERATIONS PERSONNEL AT 614-645-0423 (CELL 614-419-4501) AT LEAST TWO WORKING DAYS PRIOR TO NEEDING THE LOCATION MARKED. IF UNABLE TO MAKE CONTACT THROUGH THE ABOVE NUMBERS, CALL 614-645-7393.
  - C. THE SAW SLOT DEPTH FOR LOOP WIRE INSTALLATION SHALL BE FOUR (4) INCHES WITH SIX (6) INCHES AT THE CONDUIT ENTRANCE. IF ADVERSE PAVEMENT CONDITIONS WARRANT, DEPTH MAY BE INCREASED TO SIX (6) INCHES THROUGHOUT AND SHALL BE DETERMINED BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR.
  - D. EACH LOOP SHALL HAVE ITS OWN CONDUIT FROM EDGE OF PAVEMENT TO PULL BOX UNLESS SPECIFIED OTHERWISE BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR.
  - E. THE PULLBOX ASSEMBLY SHALL BE RATED AS MEDIUM TO HEAVY DUTY, TO BE INSTALLED IN CONCRETE WALKWAYS, AND SHALL HAVE ALL STAINLESS STEEL HARDWARE. THE PULLBOX COVER SHALL HAVE THE WORD "TRAFFIC" ON IT. THE COVER SHALL BE BOLTED TO THE BOX AND SHALL BE POLYMER CONCRETE. THE COVER PLUS HOUSING AS A UNIT SHALL BE RATED TO WITHSTAND A MINIMUM

- E. (CONT'D) 20,000 LB. STATIC LOAD OVER A 10"x10" AREA AS PER ASTM C-857. THE BOX DEPTH SHALL BE 15 INCHES MINIMUM TO 30 INCHES MAXIMUM. IF THE PROJECT DOES NOT SPECIFY 725.06 POLYMER CONCRETE PULL BOXES, THE SUPPLIED ASSEMBLIES SHALL BE AS FOLLOWS: CDR SYSTEMS MODEL SA32-1015-18, OR SYNERTECH MODEL S1118B18FA. SIX (6) INCHES OF #57 AGGREGATE SHALL BE PLACED AT THE BOTTOM OF THE PULLBOX. NO CONDUIT SHALL PROTRUDE MORE THAN THREE (3) INCHES INSIDE THE PULLBOX. CONDUIT ELLS OR EXTENSIONS MAY BE USED TO ALIGN THE CONDUIT WITH THE HOUSING. THE COST FOR EXTENSIONS OR ELLS IF NEEDED SHALL BE INCIDENTAL TO THE PER UNIT PRICE.
- F. WHEN A PULLBOX IS NOT USED, THE SOLDERED SPLICE SHALL BE MADE IN AN ANCHOR BASE STRAIN POLE OR A CONDUIT RISER SPECIFIED BY THE DEPARTMENT OF PUBLIC SERVICE'S REPRESENTATIVE, EXCEPT WHERE A CONTROLLER CABINET IS MOUNTED ON THAT POLE IN WHICH CASE THE LOOP WIRE SHALL BE ROUTED DIRECTLY INTO THE CABINET.
- G. THE CONTRACTOR SHALL NOT MAKE ANY WIRING CONNECTIONS OR ADJUSTMENTS INSIDE THE CONTROL CABINET. WHEN SUCH CONNECTIONS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE TRAFFIC OPERATIONS SHOP 614-645-7393, MON.- FRI., 8 AM TO 4 PM, TO SCHEDULE CITY FORCES FOR MAKING THE ACTUAL CONNECTIONS. THE CONTRACTOR SHALL BE AVAILABLE AT THE AGREED TIME. THE CONTRACTOR WILL BE BILLED FOR ANY TIME THAT CITY FORCES ARE REQUIRED TO WAIT FOR THE CONTRACTORS' WORK TO BE COMPLETED.
- H. CONDUIT PLACED IN "RIGHT OF WAY" AREAS BEARING NO TRAFFIC FOR DETECTOR LEAD IN SHALL BE ITEM 725.051, CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, LATEST EDITION. CONDUIT PLACED UNDER A ROADWAY OR IN AREAS THAT MAY BEAR TRAFFIC SHALL BE CONCRETE ENCASED (SIZES AND TYPE TO BE DETERMINED BY THE DEPARTMENT OF PUBLIC SERVICE'S REPRESENTATIVE. ALL CONDUITS SHALL BE PLACED AT A MINIMUM DEPTH OF 24".
- I. LOOP WIRE SHALL BE IDENTIFIED WITH A PLASTIC TAG (WBLT, EBRT, ETC.) AT THE SPLICE POINT OR AT ENTRANCE TO THE CABINET IF LEAD-IN CABLE IS NOT USED.
- J. THE ITEMS AND ESTIMATED QUANTITIES FOR THE REPLACEMENT OF THE DEPARTMENT OF PUBLIC SERVICE'S DETECTION ITEMS SHALL BE INCLUDED IN THESE PLANS WHEN DIRECTED BY THE PLAN REVIEWER. THESE ESTIMATES ARE FOR THE PURPOSE OF BIDDING THE PROJECT. THE FOLLOWING IS A LIST OF THE ITEMS AND QUANTITIES PROJECTED FOR USE IN DETECTOR REPLACEMENT FOR THIS PROJECT:
- K. THE CONTRACTOR SHALL NOTIFY SIGNAL OPERATION PERSONNEL AT 614-645-0423 (CELL 614-419-4501) AFTER ALL LOOPS HAVE BEEN INSTALLED AT EACH INTERSECTION. IF UNABLE TO MAKE CONTACT THROUGH THE ABOVE NUMBER, CALL 614-645-7393. THE DEPARTMENT OF PUBLIC SERVICE SHALL INSPECT ALL SENSORS AND TEST AS NECESSARY. THE CONTRACTOR SHALL REPLACE ALL LOOPS NOT MEETING SPECIFICATIONS.

**UTILITY PRE-PHASE 1**

- TRAFFIC:
- MAINTAIN ONE LANE OF EASTBOUND HUDSON STREET TRAFFIC AT ALL TIMES. SHIFT TRAFFIC AS NEEDED TO PERFORM WORK.
- CONSTRUCTION:
- CONSTRUCT PROPOSED WATER LINE BETWEEN JEFFERSON AVENUE AND CLEVELAND AVENUE.
  - CONSTRUCT PROPOSED STORM TRUNK LINE REPLACEMENT BETWEEN STA. 83+50 AND STA. 90+70.

**PHASE 1**

- TRAFFIC:
- MAINTAIN ONE LANE OF EASTBOUND HUDSON STREET TRAFFIC AT ALL TIMES USING EXISTING AND NEWLY CONSTRUCTED PAVEMENT.
  - DETOUR WESTBOUND HUDSON STREET TRAFFIC BY ROUTING TO WEBER ROAD.
- CONSTRUCTION:
- CONSTRUCT THE NORTH AND SOUTH PORTIONS OF PROPOSED HUDSON STREET IN SUB-PHASES (1A AND 1B, RESPECTIVELY) FROM JUST WEST OF MCGUFFEY ROAD EAST TO CLEVELAND AVENUE, INCLUDING SIDEWALK.

**UTILITY PRE-PHASE 2**

- TRAFFIC:
- MAINTAIN ONE LANE OF EASTBOUND HUDSON STREET TRAFFIC AT ALL TIMES. SHIFT TRAFFIC AS NEEDED TO PERFORM WORK.
  - DETOUR WESTBOUND HUDSON STREET TRAFFIC USING WEBER ROAD.
- CONSTRUCTION:
- CONSTRUCT REMAINDER OF PROPOSED WATER LINE BETWEEN I-71 NB RAMP AND JEFFERSON AVENUE.

**PHASE 2**

- TRAFFIC:
- MAINTAIN ONE LANE OF EASTBOUND HUDSON STREET TRAFFIC AT ALL TIMES USING EXISTING AND NEWLY CONSTRUCTED PAVEMENT.
  - DETOUR WESTBOUND HUDSON STREET TRAFFIC BY ROUTING TO WEBER ROAD.
- CONSTRUCTION:
- CONSTRUCT THE NORTH AND SOUTH PORTIONS OF PROPOSED HUDSON STREET IN TWO SUB-PHASES (2A AND 2B, RESPECTIVELY) BETWEEN I-71 EXIT RAMP TO MCGUFFEY ROAD. WORK IS TO INCLUDE SIDEWALK CONSTRUCTION.

**TYPICAL APPLICATIONS FOR MAINTENANCE OF TRAFFIC (ODOT)**

THE FOLLOWING TYPICAL APPLICATION(S) FROM THE 2012 EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES & ODOT OFFICE OF ROADWAY ENGINEERING STANDARD CONSTRUCTION DRAWINGS SHOULD BE USED, AS NECESSARY, FOR TRAFFIC CONTROL ON THIS PROJECT AS DESCRIBED IN THE MANUAL:

APPROVED PER PLAN

AT NO TIME SHALL THE IR-71 RAMPS BE FULLY CLOSED. IF A FULL RAMP CLOSURE IS REQUIRED, THE APPLICANT SHALL RESUBMIT THE APPLICATION WITH THE APPROPRIATE DOCUMENTS.

ON IR-71 NB EXIT RAMP TO HUDSON ST. ARRANGE DRUMS ON THE LANE PRIOR TO WIDENING SO THAT IT PREVENTS DRIVERS FROM DRIVING SIDE BY SIDE DURING PHASE 2B-STEP 1 & PHASE 2-STEP 2. MAINTAIN APPROPRIATE LANE WIDTHS.

DURING PHASE 2-STEP 1 IT IS RECOMMENDED UTILIZING BARRICADES TO CORDON OFF WESTBOUND LANES ON THE BRIDGE OVER IR-71 TO PREVENT TRAFFIC FROM TRYING TO SLIP THROUGH THE ONE-WAY SECTION OF HUDSON ST.

APPLICANT AND/OR PROJECT ENGINEER SHALL MAKE EVERY ATTEMPT TO KEEP ODOT INFORMED ON VARIOUS MOT RESTRICTION CHANGES/PHASES PER NOTIFICATION OF TRAFFIC RESTRICTIONS NOTE.

**HOURS OF OPERATION IN ROW**

ALLOWABLE HOURS FOR WORK SHALL BE FROM 9 AM TO 3 PM, M-F, ALL DAY SATURDAY & SUNDAY.

**CITY OF COLUMBUS OCCUPANCY PERMIT**

TO WORK WITHIN THE CITY OF COLUMBUS, THE APPLICANT MUST ALSO OBTAIN AN OCCUPANCY PERMIT FROM THE CITY OF COLUMBUS PERMIT DEPARTMENT.

**NOTIFICATION OF TRAFFIC RESTRICTIONS**

THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER OR COUNTY MANAGER, THE DISTRICT 6 PUBLIC INFORMATION OFFICE AT D06.PIO@DOT.OHIO.GOV AND THE DISTRICT WORK ZONE TRAFFIC MANAGER AT GARY.FETHEROLF@DOT.OHIO.GOV IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE BUT IS NOT LIMITED TO ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES IF APPLICABLE, AND ANY INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME FRAME TABLE			
ITEM	DURATION OF CLOSURE	NOTIFICATION DUE TO DISTRICT 6 COMMUNICATIONS OFFICE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE	2 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE	
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE	
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION	

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT MANAGER OR COUNTY MANAGER, THE DISTRICT 6 PUBLIC INFORMATION OFFICE AND THE DISTRICT WORK ZONE TRAFFIC MANAGER USING THE NOTIFICATION TIME FRAME TABLE.

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MAINTENANCE OF TRAFFIC NOTES AND DETAILS

HUDSON ST

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535

**BORE PITS, EARTHWORK AND TRENCHES BEYOND THE SHOULDER**

BORE PITS, EARTHWORK AND TRENCHES WITHIN ODOT RIGHT-OF-WAY MUST BE OUTSIDE THE DITCH SECTION AND PROTECTED IN ACCORDANCE WITH ODOT'S STANDARD CONSTRUCTION DRAWING MT-101.90, "DROPOFFS IN WORK ZONES".

A PIT/TRENCH 4 TO 12 FEET FROM THE EDGE OF TRAVELED LANE AND GREATER THAN 12 INCHES DEEP MUST HAVE DRUMS DURING THE DAY AND PB AT NIGHT UNLESS SECURELY PLATED OR BACKFILLED TO WITHIN 12 INCHES. SEE MT-101.90 FOR ADDITIONAL INFORMATION.

A PIT/TRENCH 12 TO 30 FEET FROM THE EDGE OF TRAVELED LANE AND GREATER THAN 24 INCHES DEEP MUST HAVE DRUMS DURING THE DAY AND PB AT NIGHT UNLESS SECURELY PLATED OR BACKFILLED TO WITHIN 24 INCHES. SEE MT-101.90 FOR ADDITIONAL INFORMATION. THE LENGTH OF THE TRENCH WHICH IS OPEN AT ANY TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OR THE ENGINEER.

**MUD, DIRT AND DEBRIS**

THE TRACKING OR SPILLAGE OF MUD, DIRT OR DEBRIS UPON STATE HIGHWAYS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.

**VEHICLE PARKING**

VEHICLES ARE NOT TO BE PARKED ON THE PAVEMENT. ALL VEHICLES ARE TO BE PARKED AT LEAST 5 FEET FROM THE EDGE OF PAVEMENT.

**PERSONAL PROTECTIVE EQUIPMENT**

ODOT REQUIRES ALL CONTRACTORS' PERSONNEL TO WEAR THE CORRECT PPE WHILE WITHIN ODOT RIGHT-OF-WAY. ALL VEHICLES SHALL HAVE THE CORRECT SAFETY EQUIPMENT ALSO.

**SIDEWALK OR WALKWAY**

IF AT ANY TIME A SIDEWALK OR WALKWAY PATH IS RESTRICTED AND/OR CLOSED, THE CONTRACTOR SHALL PROVIDE AN ALTERNATIVE ROUTE FOR THE PUBLIC TO UTILIZE FOR TRAVEL. MT-110.10, PEDESTRIAN DETOUR METHODS OR TA-28 SIDEWALK DETOUR OR DIVERSION.

AT LEAST ONE EAST/WEST AND ONE NORTH/SOUTH CROSSING SHALL BE PROVIDED AT ALL TIMES. CONSTRUCTION SEQUENCES CAN BE ALTERED TO ALLOW ONE SIDE OF A STREET AT AN INTERSECTION TO BE CONSTRUCTED AT THE SAME TIME.

PEDESTRIAN DETOURS MAY BE CONSIDERED IF THE TRAVELED DISTANCES ARE ACCEPTABLE. NO IN-STREET PEDESTRIAN DETOURS WILL BE ALLOWED. PLEASE REFER TO THE TEMPORARY TRAFFIC SIGNAL PLAN SHEETS FOR ADDITIONAL INFORMATION ON THE MAINTENANCE OF PEDESTRIAN FLOW.

**PROTECTION FROM DROP OFF CONDITIONS IN THE WORK ZONE**

ALL DROP-OFF CONDITIONS WITHIN THE WORK ZONE MUST BE PROTECTED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-101.90.

**GENERAL LANE CLOSURE POLICIES**

TRAFFIC BACK-UPS CAUSED BY THEIR OPERATION OF OVER 0.75 MILES IS NOT PERMITTED. ODOT RESERVES THE RIGHT TO REVOKE THE PERMIT IF THE MOT GUIDELINES ARE NOT MET.

**PEDESTRIAN MOT NOTES**

1. INSTALL "WATCH FOR PEDESTRIANS IN STREET" SIGNS DURING CONSTRUCTION AT THE LIMITS OF ALL PROJECTS. SIGNS SHALL HAVE BLACK LETTERS AND BORDER WITH A RETROREFLECTIVE ORANGE BACKGROUND. SHAPE SHALL BE DIAMOND AND SIZED 36" BY 36". THE LETTERS SHALL BE 5" HIGH WITH 2" VERTICAL SEPARATION. COSTS TO BE INCLUDED IN BID ITEM 614, MAINTAINING TRAFFIC.
2. THE CONTRACTOR SHALL PROVIDE POSITIVE PEDESTRIAN SEPARATION TO INCLUDE CHAIN LINK FENCING, BARRICADES, GATES AND ALL OTHER REQUIRED TRAFFIC CONTROL DEVICES TO SECURE THE IMMEDIATE CONSTRUCTION AREA FOR THE HUDSON STREET PROJECT. COSTS TO BE INCLUDED IN BID ITEM 614, MAINTAINING TRAFFIC.

**Table 6H-2. Meaning of Symbols on Typical Application Diagrams**

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of traffic		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work Vehicle
	Pavement markings that should be removed for a long-term project		Temporary Sign Support

**Notes for Figure 6H-28—Typical Application 28  
Sidewalk Detour or Diversion**

**Standard:**

1. When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.

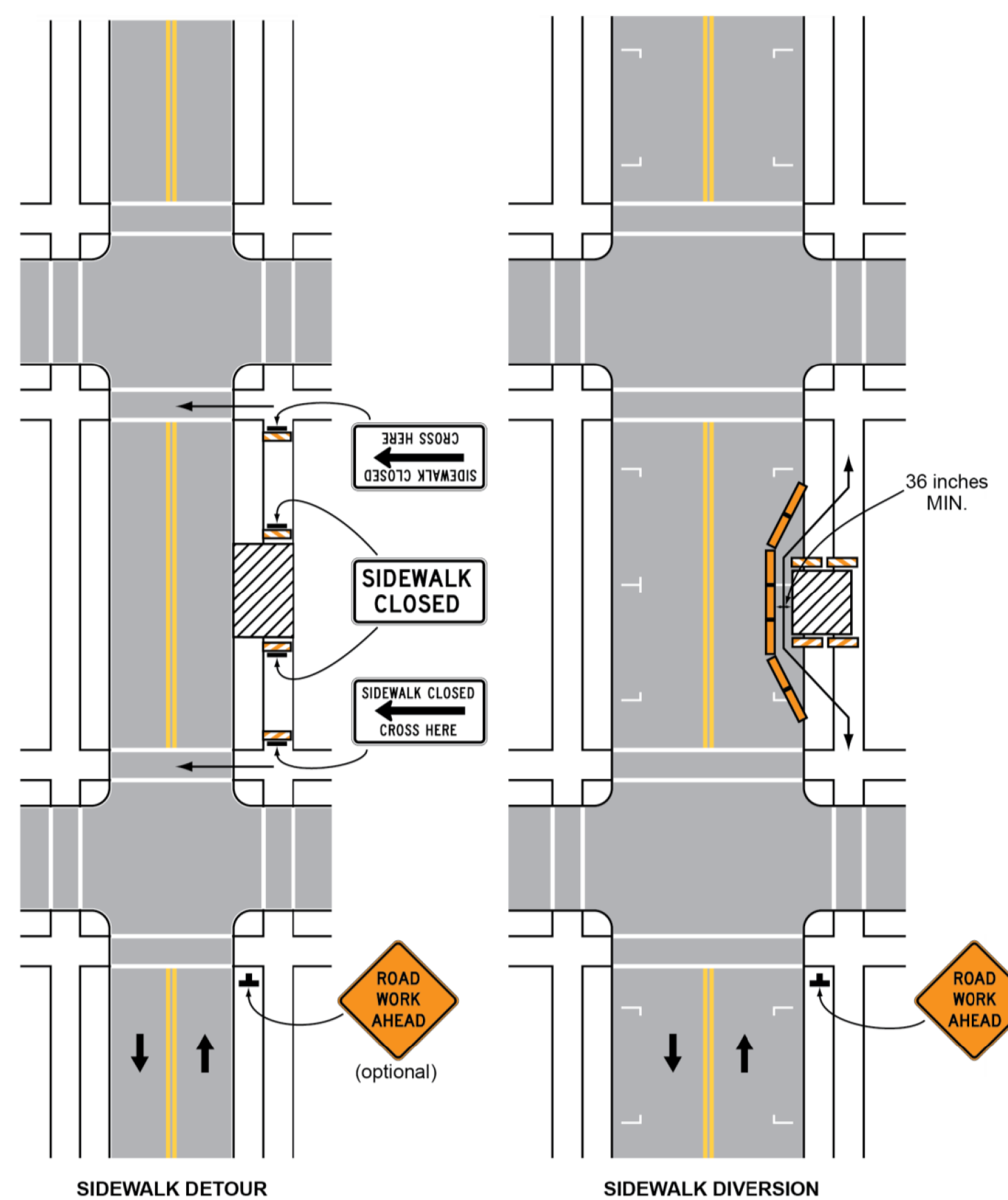
**Guidance:**

2. Where high speeds are anticipated, a temporary traffic barrier and, if necessary, a crash cushion should be used to separate the temporary sidewalks from vehicular traffic.
3. Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.

**Option:**

4. Street lighting may be considered.
5. Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD NARROWS signs, may be used to control vehicular traffic.
6. For nighttime closures, Type A Flashing warning lights may be used on barricades that support signs and close sidewalks.
7. Type C Steady-Burn or Type D 360-degree Steady-Burn warning lights may be used on channelizing devices separating the temporary sidewalks from vehicular traffic flow.
8. Signs, such as KEEP RIGHT (LEFT), may be placed along a temporary sidewalk to guide or direct pedestrians.

**Figure 6H-28. Sidewalk Detour or Diversion (TA-28)**



**Typical Application 28**

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

**Notes for Figure 6H-29—Typical Application 29  
Crosswalk Closures and Pedestrian Detours**

**Standard:**

1. When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.
2. Curb parking shall be prohibited for at least 50 feet in advance of the midblock crosswalk.

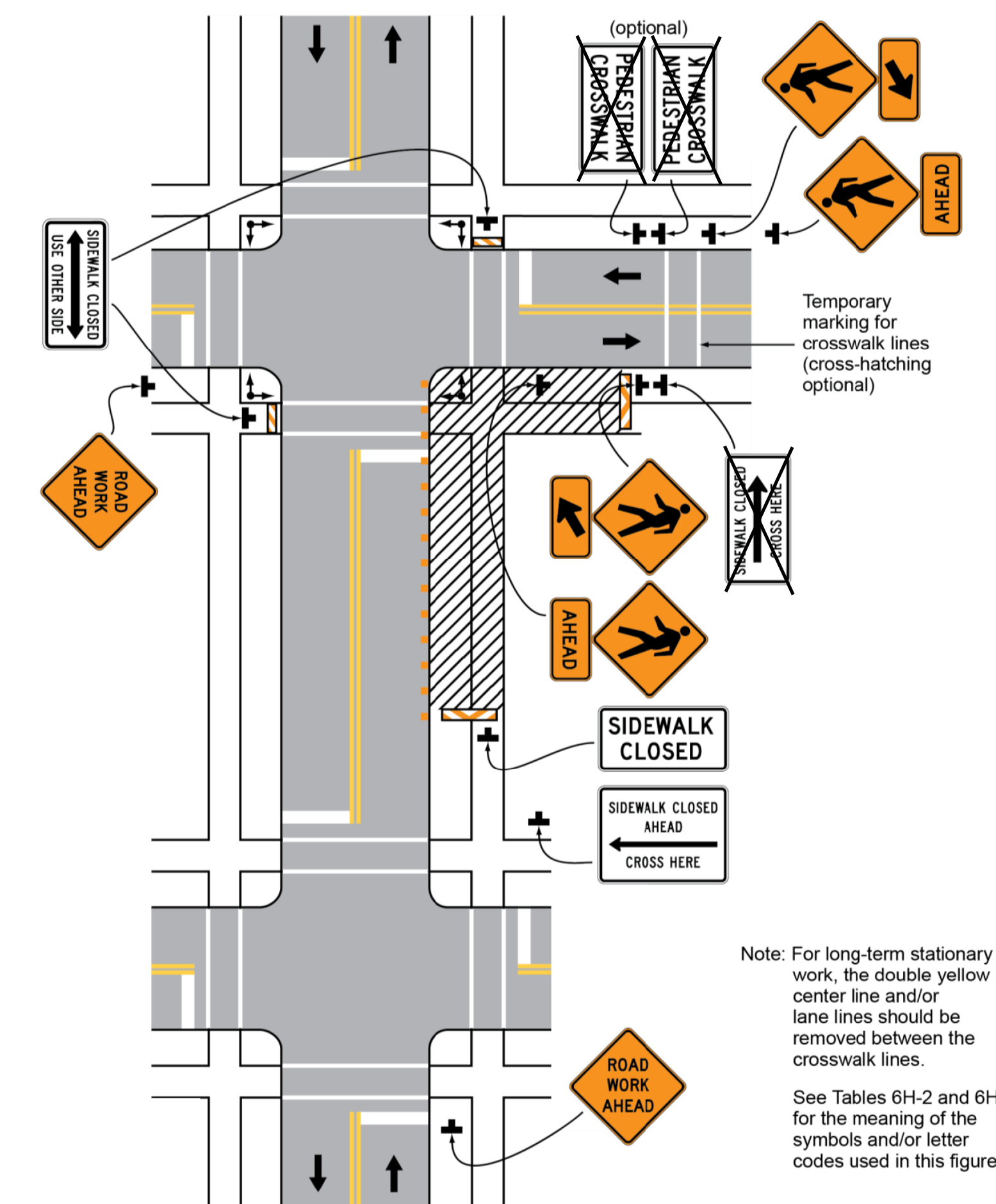
**Guidance:**

3. Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.
4. Pedestrian traffic signal displays controlling closed crosswalks should be covered or deactivated.

**Option:**

5. Street lighting may be considered.
6. Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD NARROWS signs, may be used to control vehicular traffic.
7. For nighttime closures, Type A Flashing warning lights may be used on barricades supporting signs and closing sidewalks.
8. Type C Steady-Burn or Type D 360-degree Steady-Burn warning lights may be used on channelizing devices separating the work space from vehicular traffic.
9. In order to maintain the systematic use of the fluorescent yellow-green background for pedestrian, bicycle, and school warning signs in a jurisdiction, the fluorescent yellow-green background for pedestrian, bicycle, and school warning signs may be used in TTC zones.

**Figure 6H-29. Crosswalk Closures and Pedestrian Detours (TA-29)**



**Typical Application 29**

Note: For long-term stationary work, the double yellow center line and/or lane lines should be removed between the crosswalk lines.

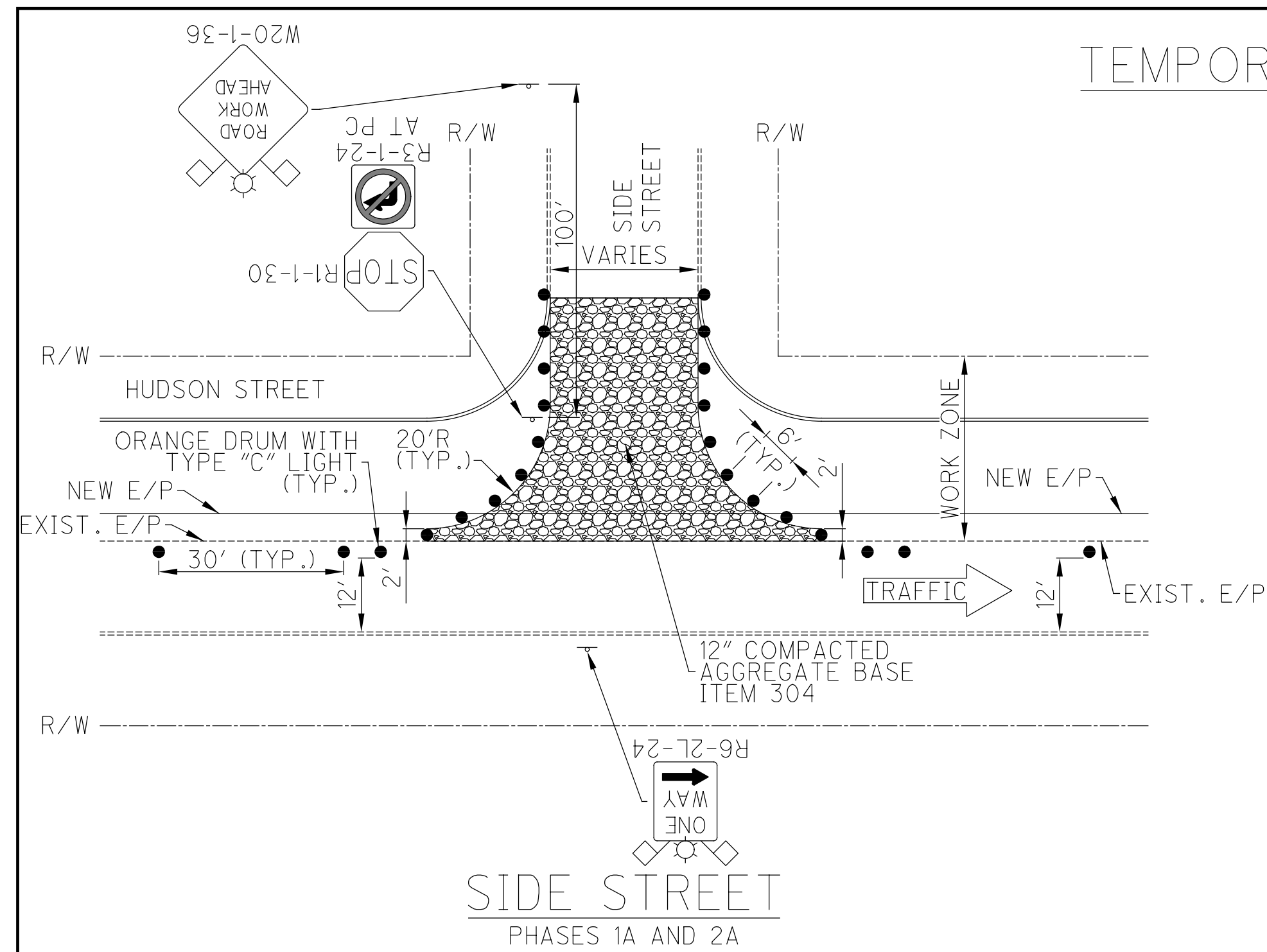
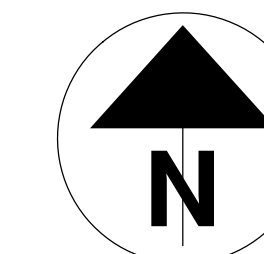
See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

# TEMPORARY APPROACHES

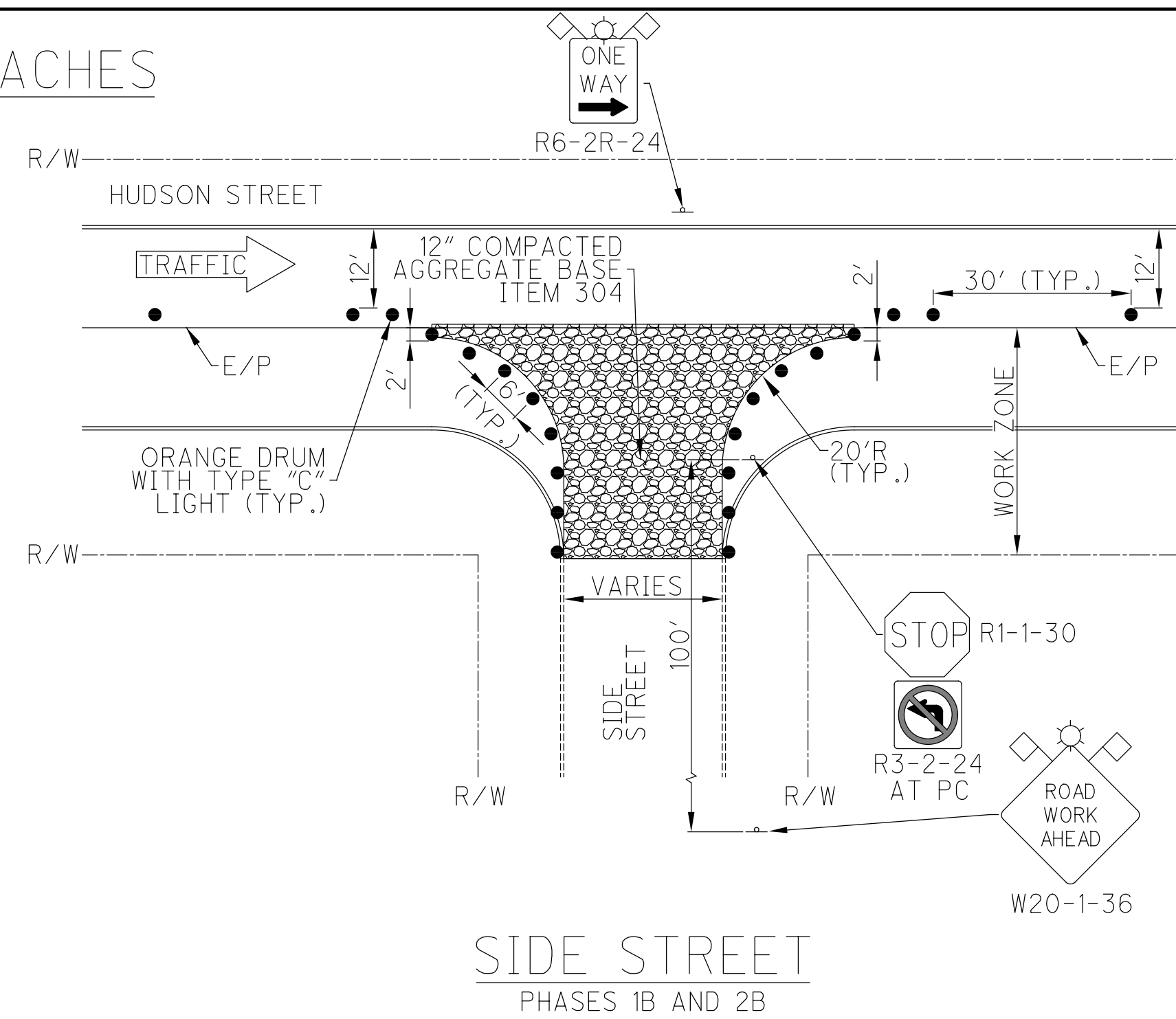
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## MAINTENANCE OF TRAFFIC LEGEND

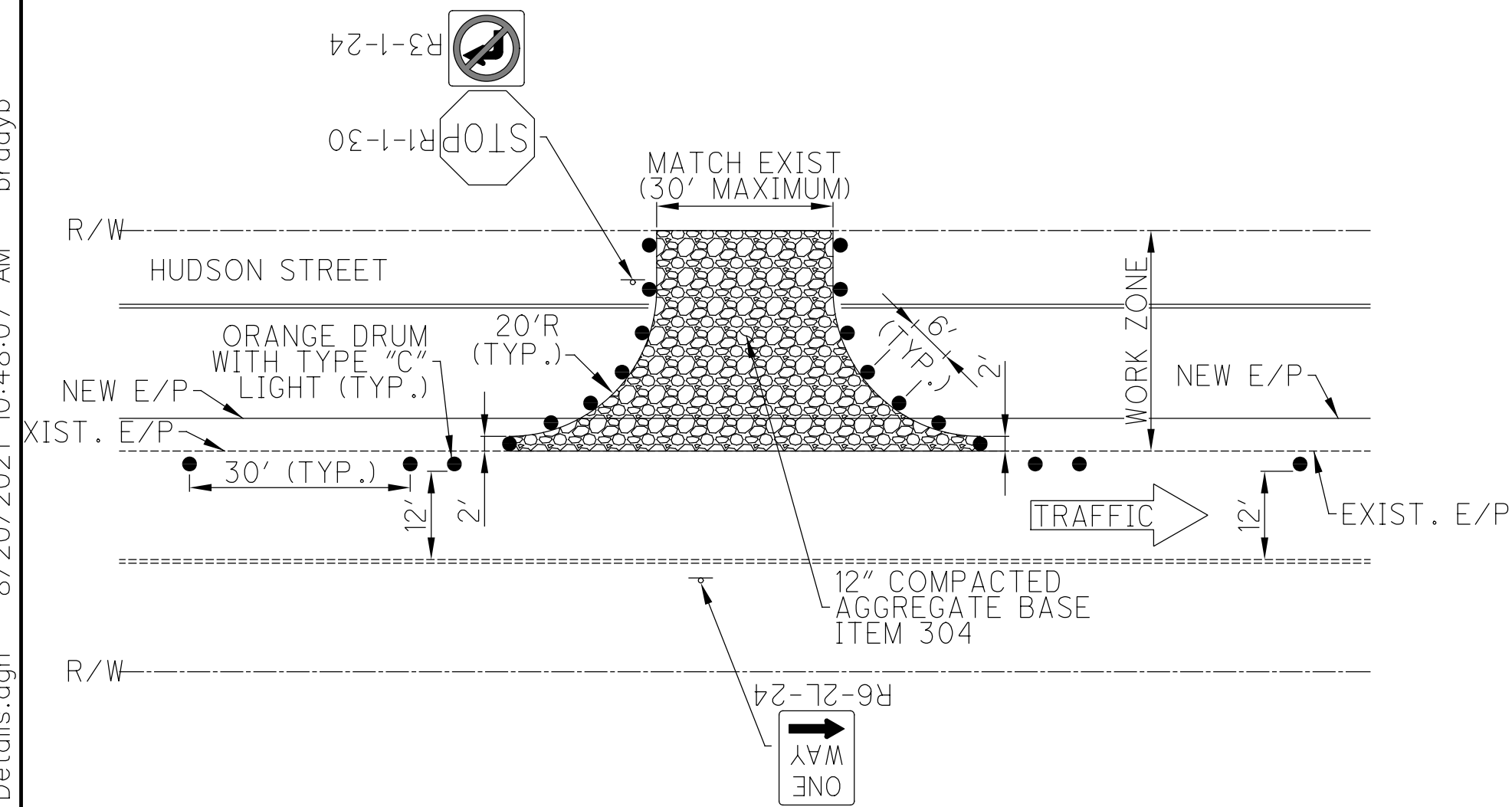
- ORANGE DRUM WITH TYPE "C" LIGHT
- ⊙ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- ⊥ BARRICADE
- ▬ CONCRETE BARRIER
- ➔ DIRECTION OF TRAVEL
- ⊖ SIGN



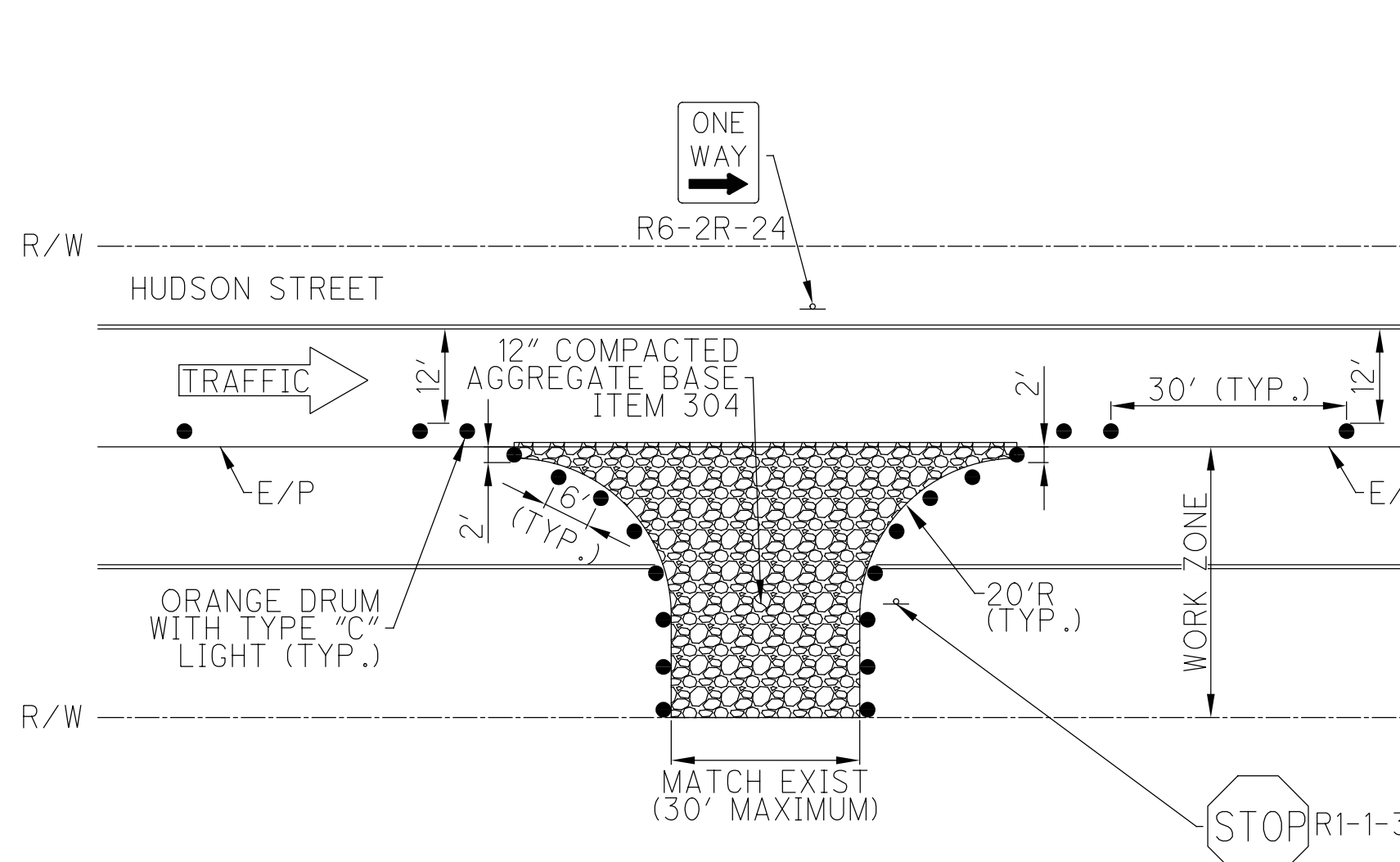
**SIDE STREET**  
PHASES 1A AND 2A



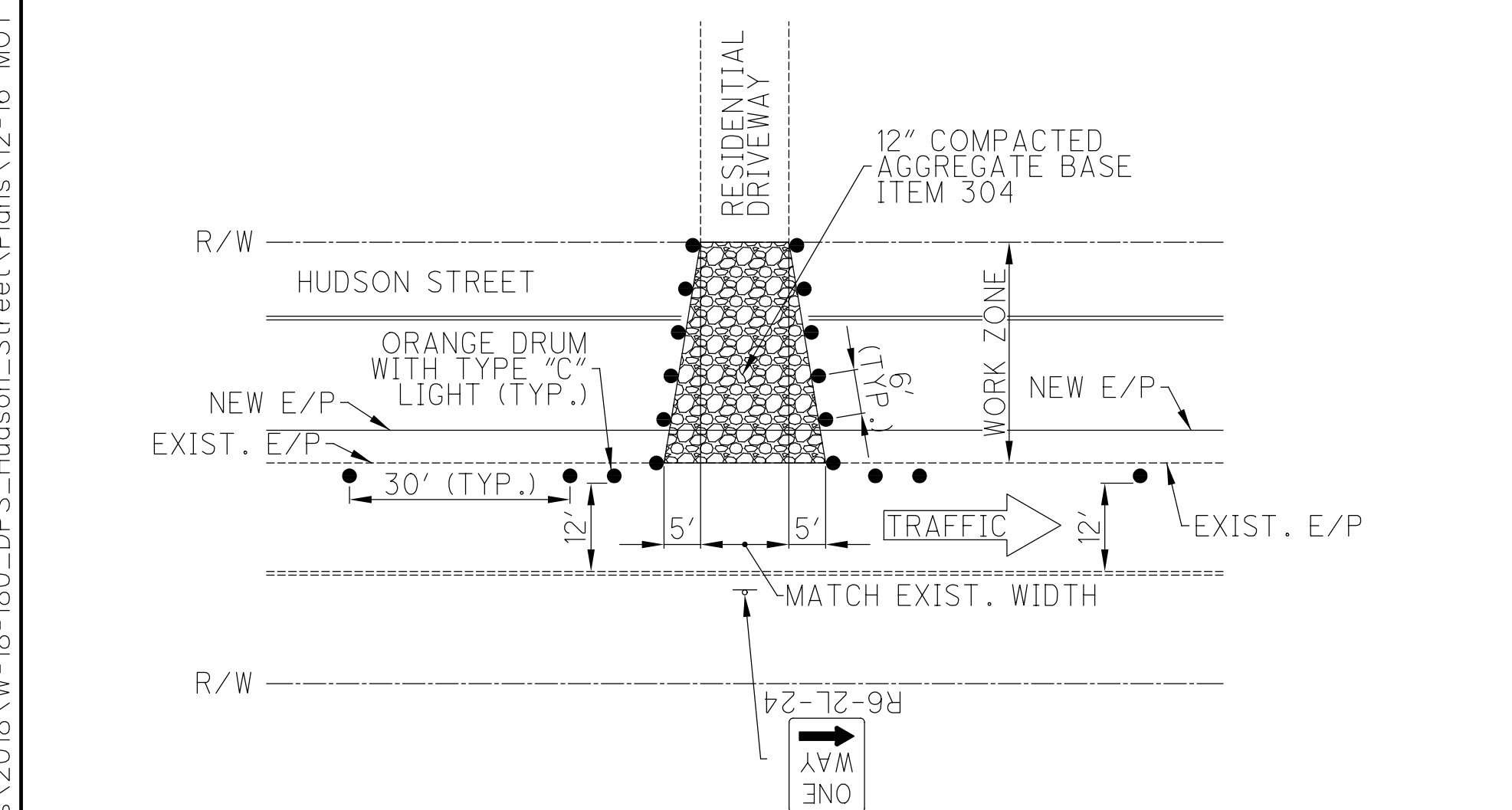
**SIDE STREET**  
PHASES 1B AND 2B



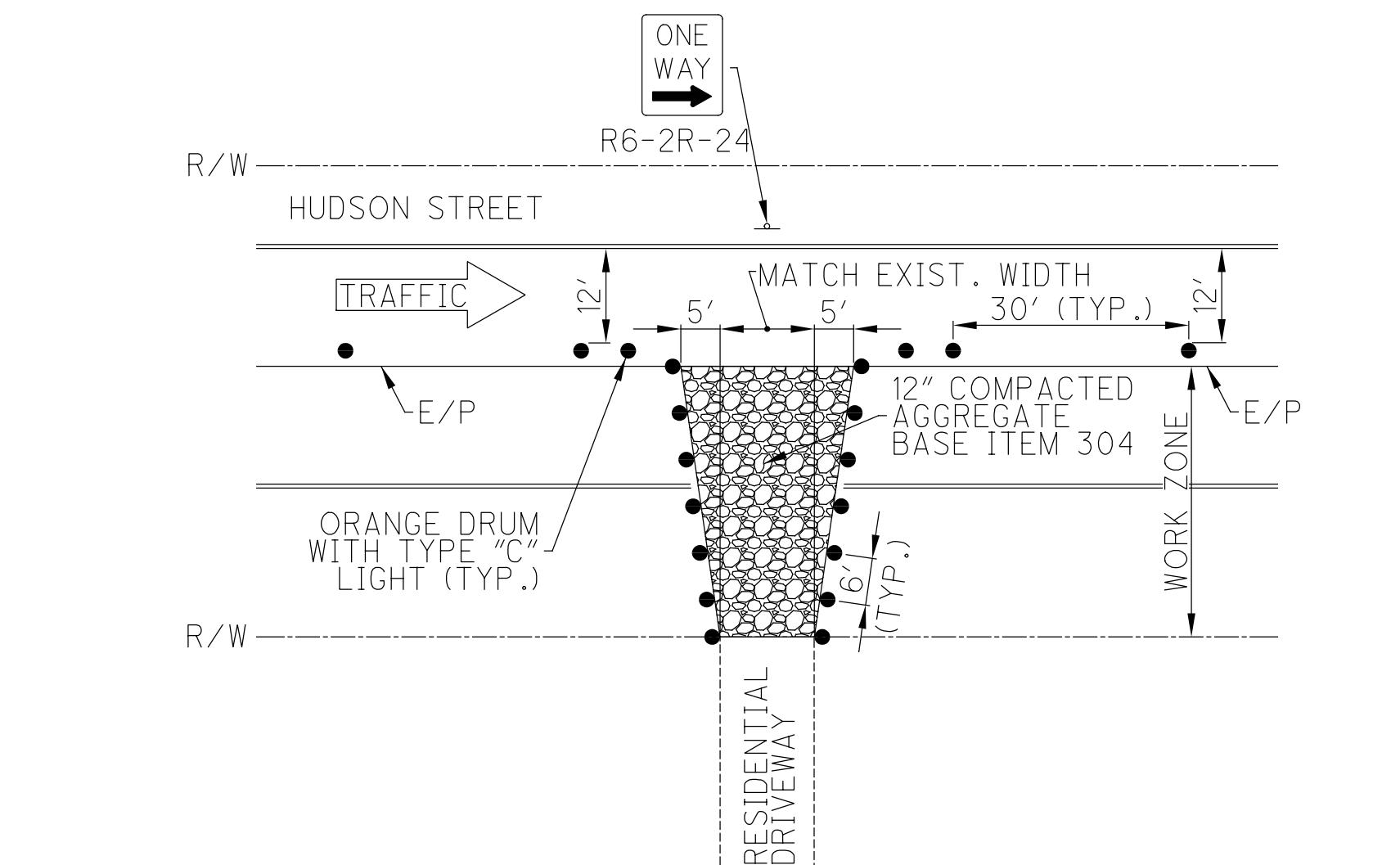
**COMMERCIAL DRIVEWAY**  
PHASES 1A AND 2A



**COMMERCIAL DRIVEWAY**  
PHASES 1B AND 2B



**RESIDENTIAL DRIVEWAY**  
PHASES 1A AND 2A



**RESIDENTIAL DRIVEWAY**  
PHASES 1B AND 2B

**PHASE 2B NOTE:**

A TEMPORARY APPROACH SHALL NOT BE PROVIDED WHERE A COMMERCIAL PROPERTY HAS ACCESS OFF A SIDE STREET. THE DRIVE APPROACH SHALL BE CLOSED OFF WITH TYPE III BARRICADES PLACED ACROSS THE ENTIRE APPROACH ALONG THE RIGHT-OF-WAY LINE.

**NOTES**

1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
2. COVER EXISTING STOP SIGN AFTER PLACING TEMPORARY STOP SIGN.
3. WHEN CLOSING A SIDE STREET, FOLLOW COLUMBUS STANDARD DRAWING 1540, SHEET 2 EXCEPT NO DETOUR ROUTE WILL BE PROVIDED. SIDE STREET CLOSURES SHALL ONLY OCCUR FROM 9AM TO 4PM, MONDAY THROUGH FRIDAY. NO TWO, OR MORE, SIDE STREETS SHALL BE CLOSED AT THE SAME TIME.
4. THERE SHALL BE AT LEAST ONE ACCESS TO COMMERCIAL PROPERTIES WHEN CLOSING DRIVEWAYS. SIDE STREET ACCESS IS ACCEPTABLE. THE COMMERCIAL PROPERTY OWNER/MANAGER SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CLOSURE.
5. RESIDENTIAL DRIVEWAYS SHALL ONLY BE CLOSED BETWEEN 9AM AND 4PM, MONDAY THROUGH FRIDAY. THE RESIDENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CLOSURE.

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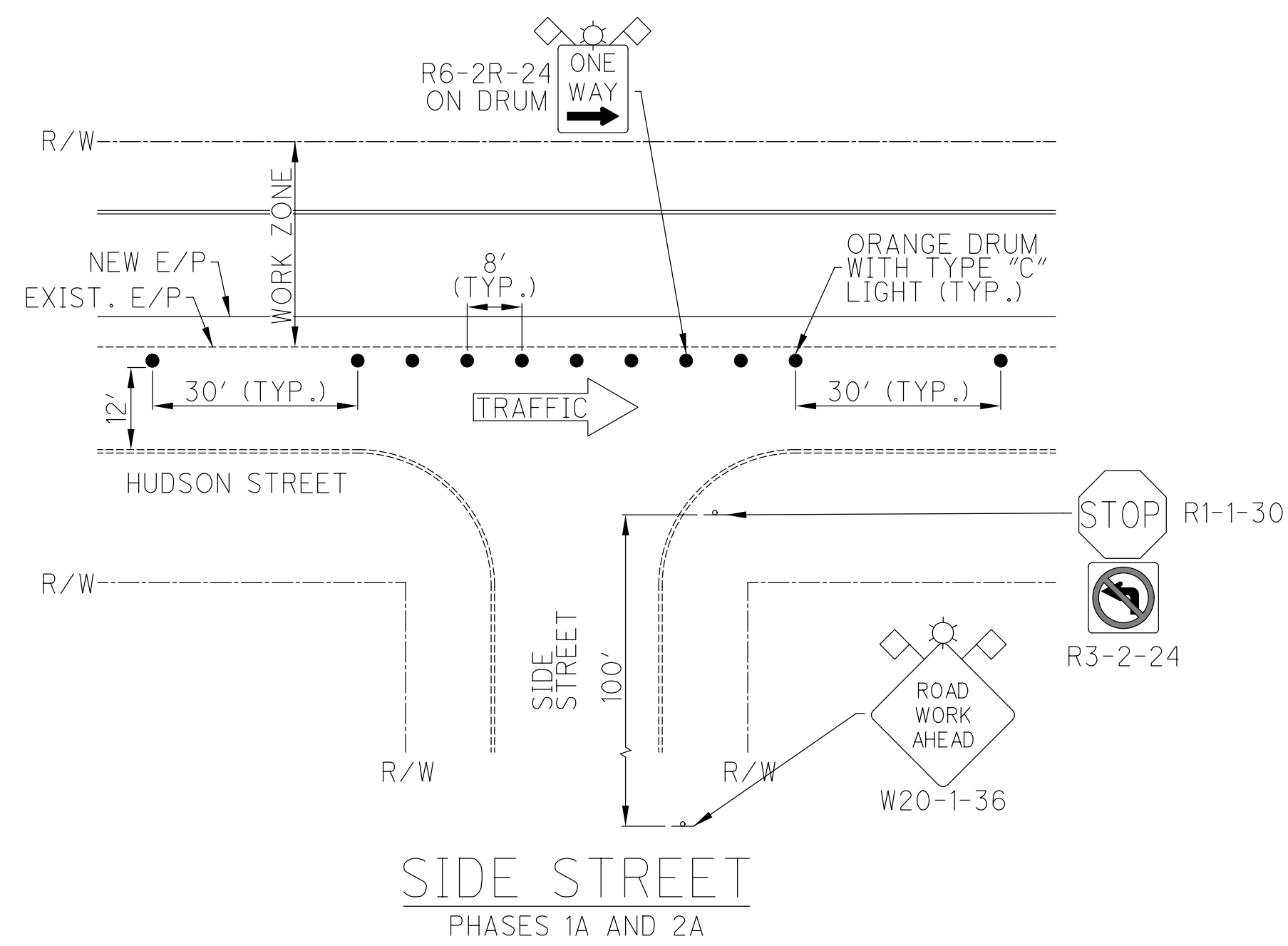
**MAINTENANCE OF TRAFFIC  
DETAILS**

**HUDSON ST**

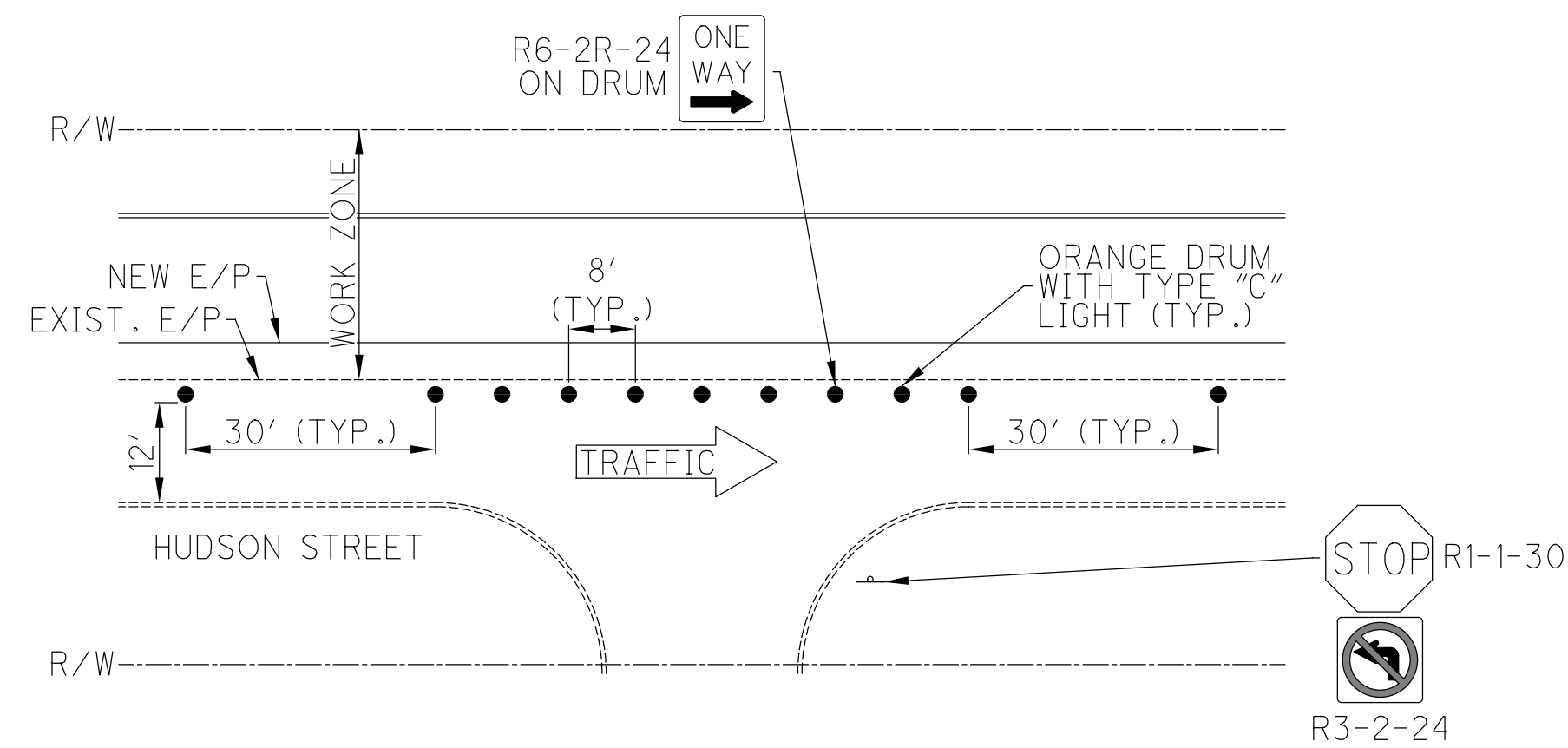
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# APPROACHES NOT IN WORK ZONE

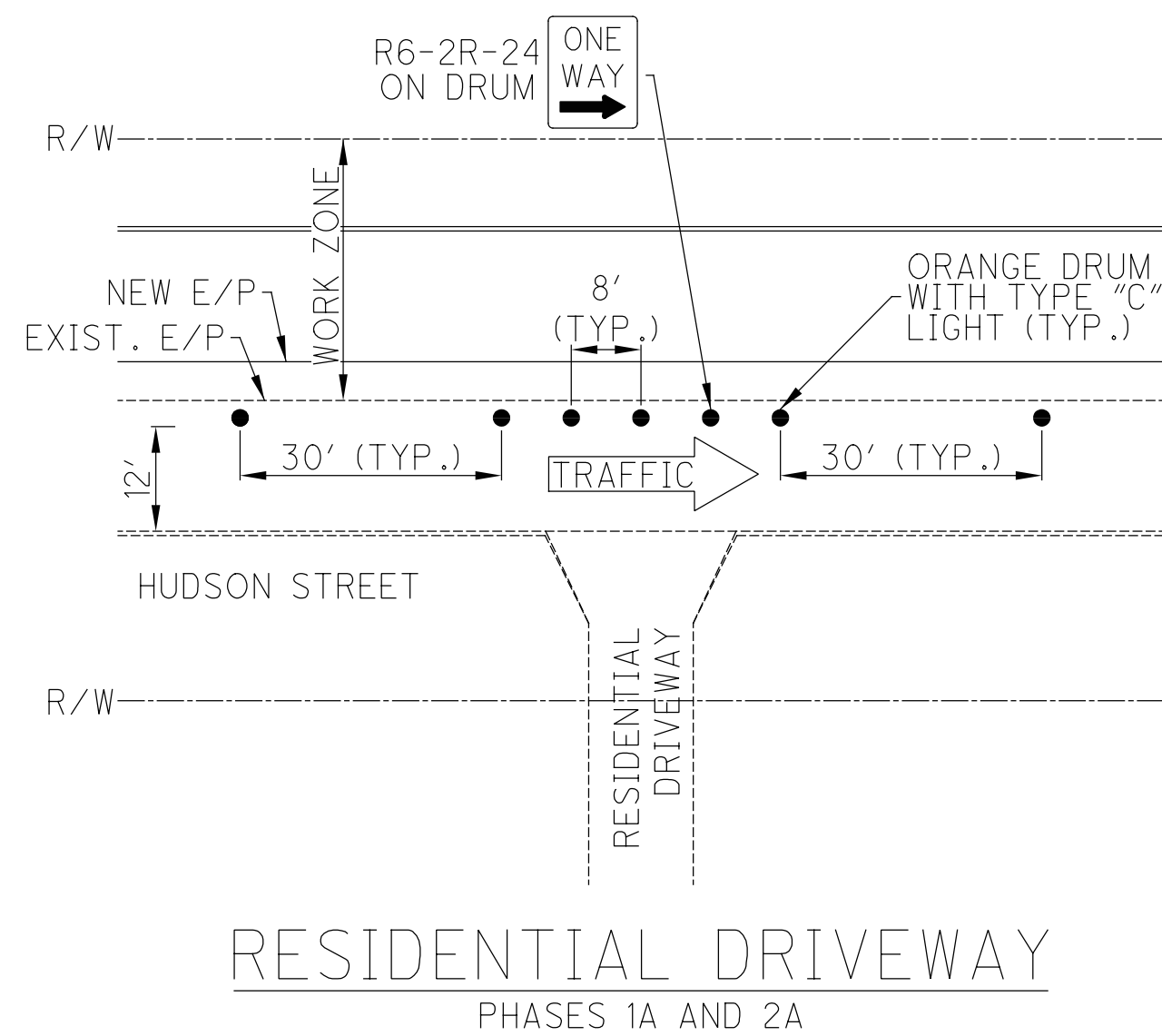
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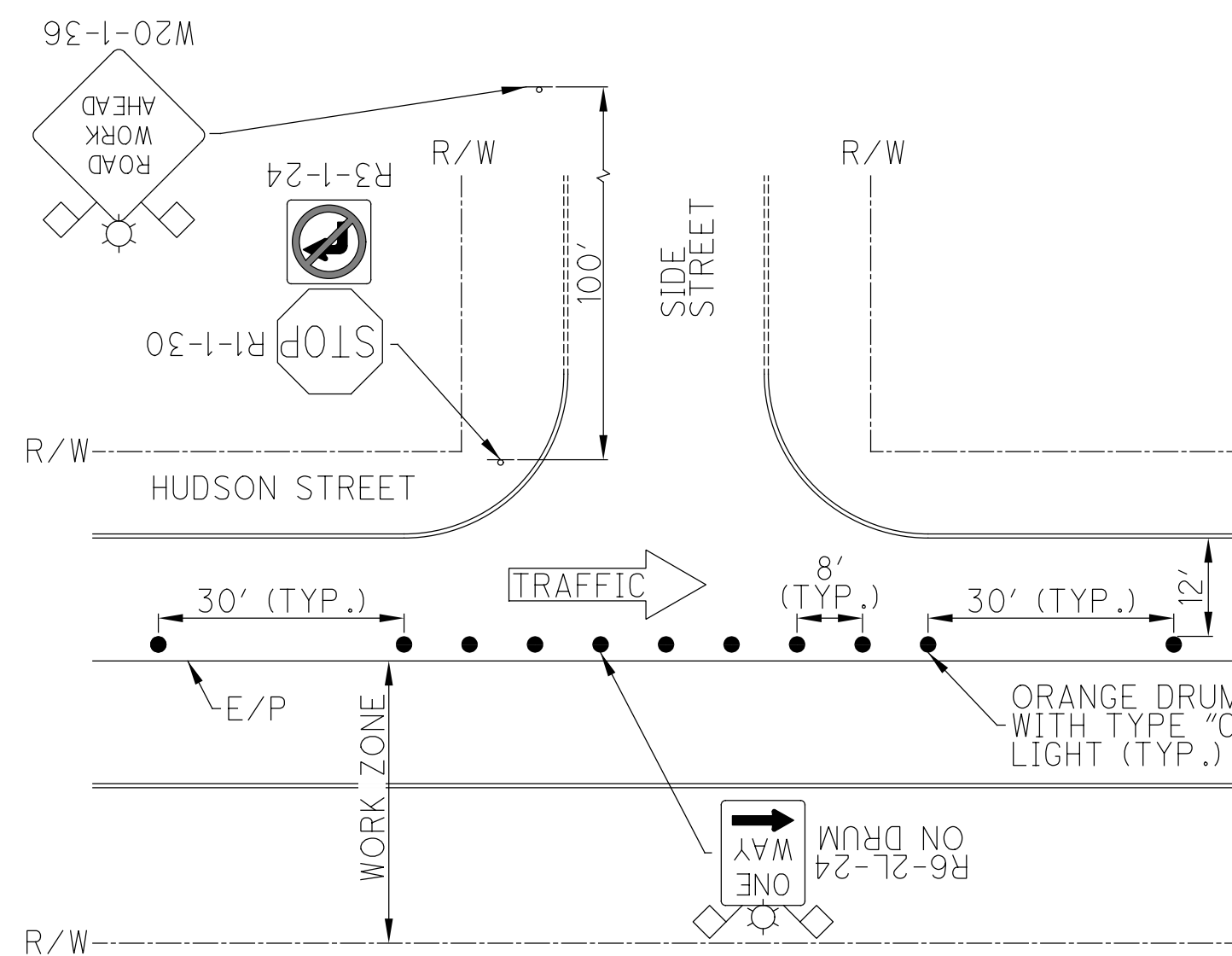
SIDE STREET  
PHASES 1A AND 2A



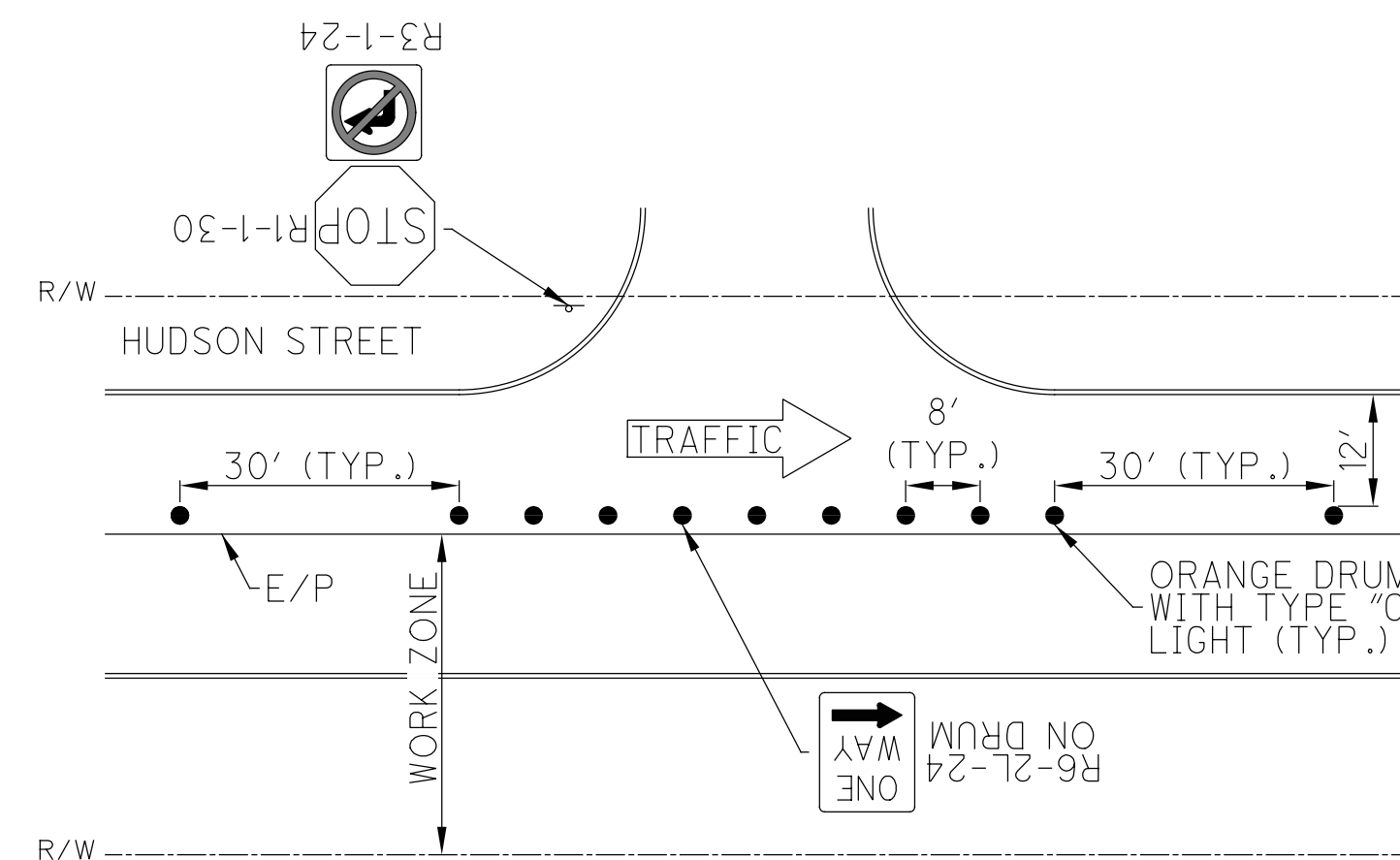
COMMERCIAL DRIVEWAY  
PHASES 1A AND 2A



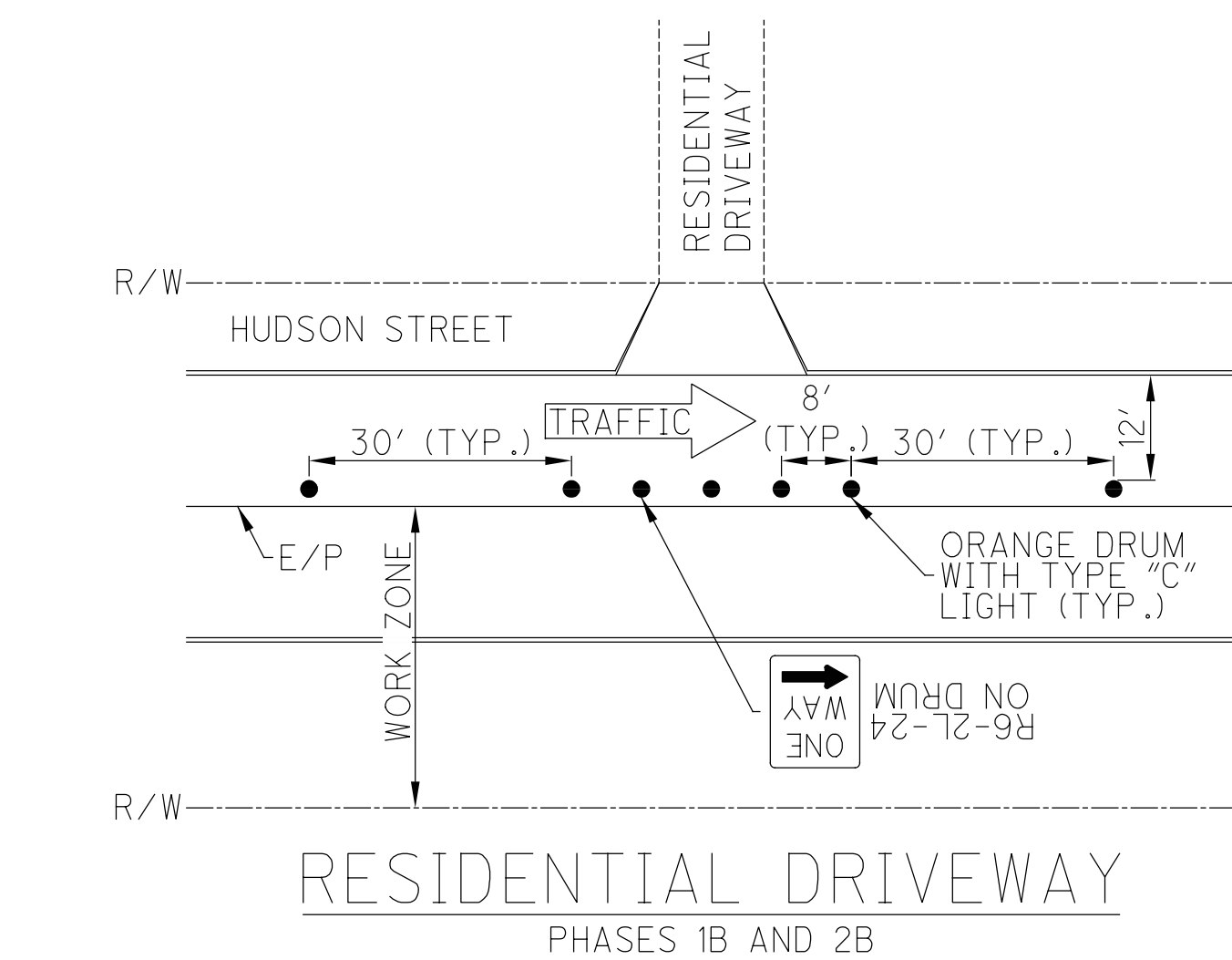
RESIDENTIAL DRIVEWAY  
PHASES 1A AND 2A



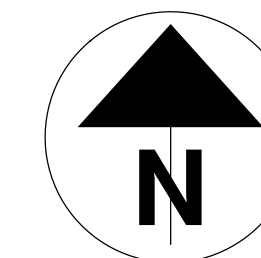
SIDE STREET  
PHASES 1B AND 2B



COMMERCIAL DRIVEWAY  
PHASES 1B AND 2B



RESIDENTIAL DRIVEWAY  
PHASES 1B AND 2B



## MAINTENANCE OF TRAFFIC LEGEND

- ORANGE DRUM WITH TYPE "C" LIGHT
- ⊙ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- ⊥ BARRICADE
- ▬ CONCRETE BARRIER
- ➔ DIRECTION OF TRAVEL
- ⊖ SIGN

## NOTES

1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
2. COVER EXISTING STOP SIGN AFTER PLACING TEMPORARY STOP SIGN.
3. WHEN CLOSING A SIDE STREET, FOLLOW COLUMBUS STANDARD DRAWING 1540, SHEET 2 EXCEPT NO DETOUR ROUTE WILL BE PROVIDED. SIDE STREET CLOSURES SHALL ONLY OCCUR FROM 9AM TO 4PM, MONDAY THROUGH FRIDAY. NO TWO, OR MORE, SIDE STREETS SHALL BE CLOSED AT THE SAME TIME.
4. THERE SHALL BE AT LEAST ONE ACCESS TO COMMERCIAL PROPERTIES WHEN CLOSING DRIVEWAYS. SIDE STREET ACCESS IS ACCEPTABLE. THE COMMERCIAL PROPERTY OWNER/MANAGER SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CLOSURE.
5. RESIDENTIAL DRIVEWAYS SHALL ONLY BE CLOSED BETWEEN 9AM AND 4PM, MONDAY THROUGH FRIDAY. THE RESIDENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CLOSURE.

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MAINTENANCE OF TRAFFIC  
DETAILS

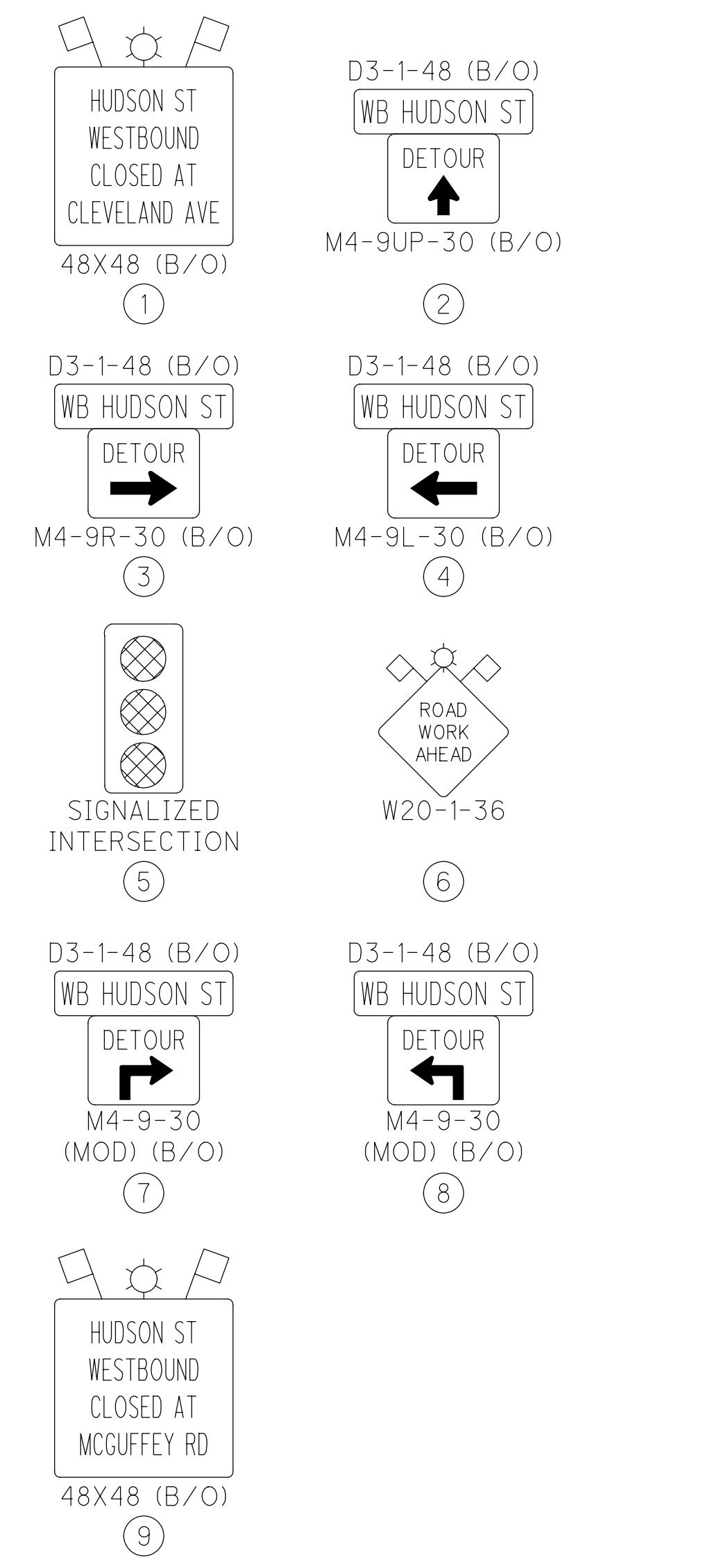
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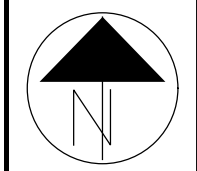


- MAINTENANCE OF TRAFFIC NOTES**
- ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
  - STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.

- MAINTENANCE OF TRAFFIC LEGEND**
- ORANGE DRUM WITH TYPE "C" LIGHT
  - ☀ TYPE "A" FLASHING LIGHT
  - ◇ FLUORESCENT ORANGE FLAG
  - TT BARRICADE
  - ▭ CONCRETE BARRIER
  - ▨ WORK AREA
  - ← DIRECTION OF TRAVEL SIGN
  - SIGN



PHASE 1A



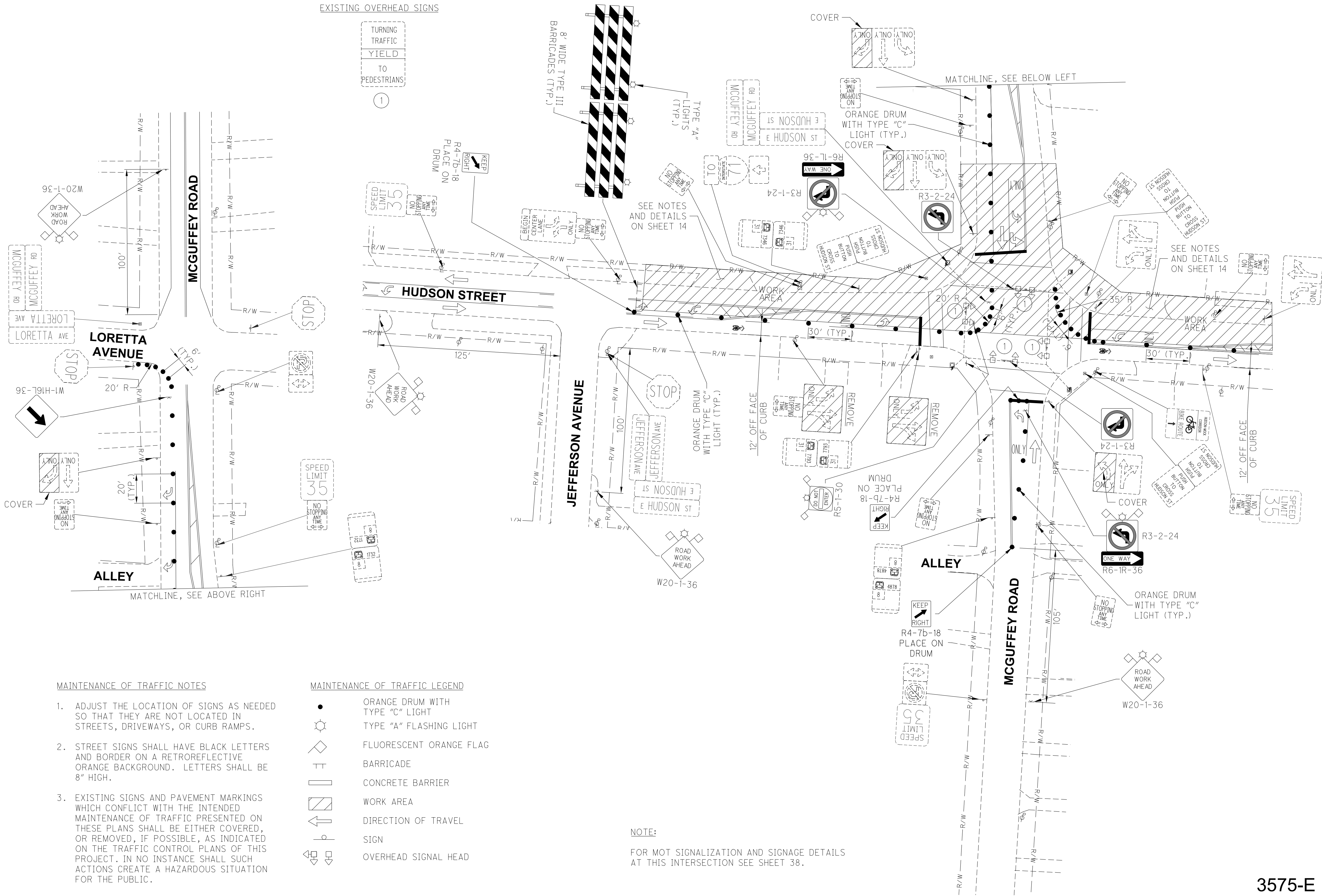
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**DETOUR PLAN PHASE 1A**

**HUDSON ST**

EXISTING OVERHEAD SIGNS



**MAINTENANCE OF TRAFFIC NOTES**

- ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
- STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
- EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

**MAINTENANCE OF TRAFFIC LEGEND**

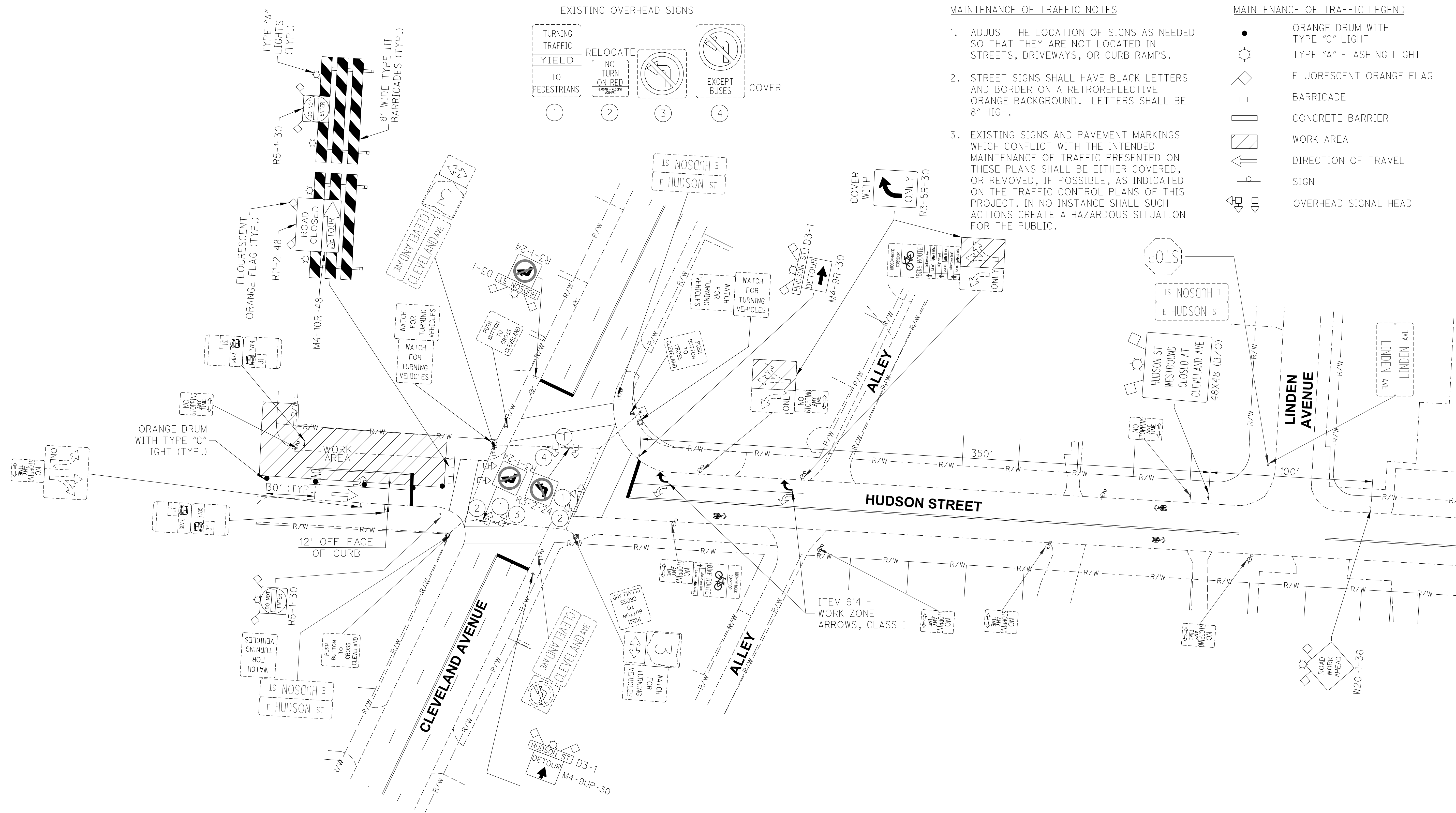
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- ☼ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- ⊥ BARRICADE
- ▬ CONCRETE BARRIER
- ▨ WORK AREA
- ↑ DIRECTION OF TRAVEL
- ⊥ SIGN
- ⊥ OVERHEAD SIGNAL HEAD

**NOTE:**  
FOR MOT SIGNALIZATION AND SIGNAGE DETAILS AT THIS INTERSECTION SEE SHEET 38.

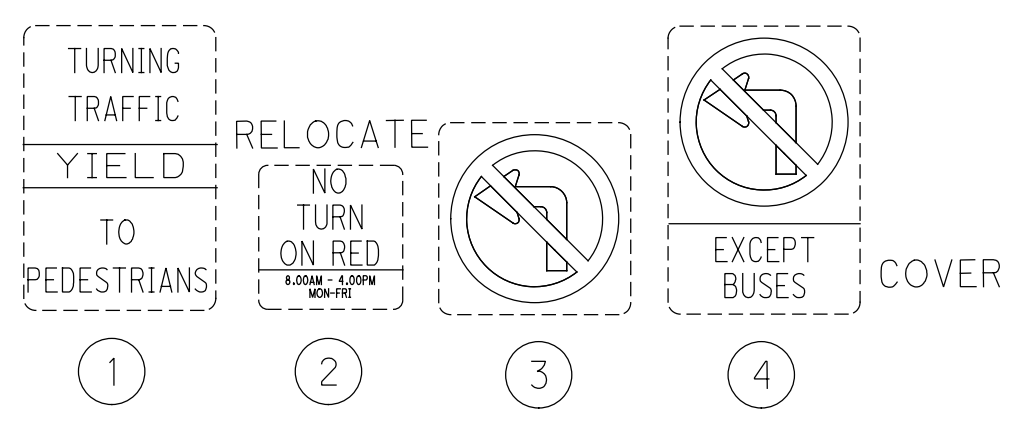
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**MAINTENANCE OF TRAFFIC PHASE 1A**

**HUDSON ST**



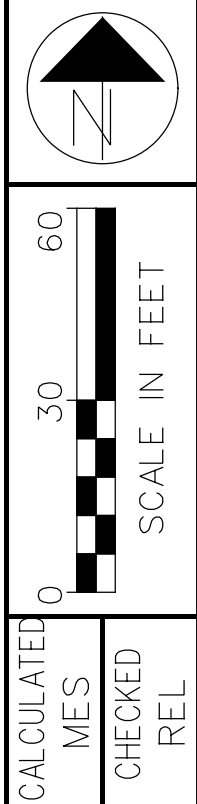
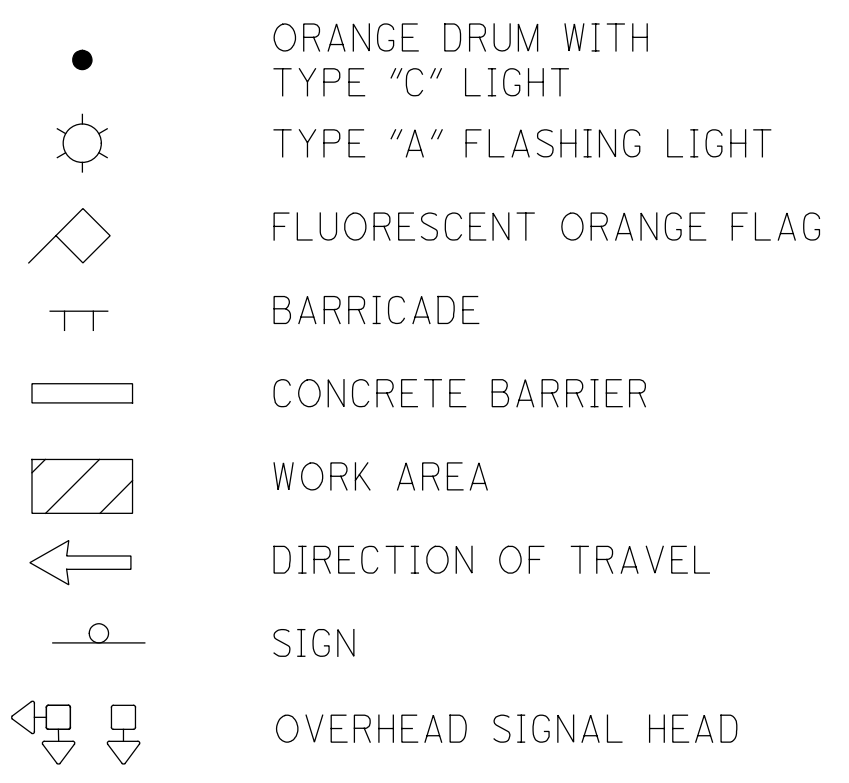
EXISTING OVERHEAD SIGNS



MAINTENANCE OF TRAFFIC NOTES

1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
2. STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
3. EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

MAINTENANCE OF TRAFFIC LEGEND



MAINTENANCE OF TRAFFIC PHASE 1A

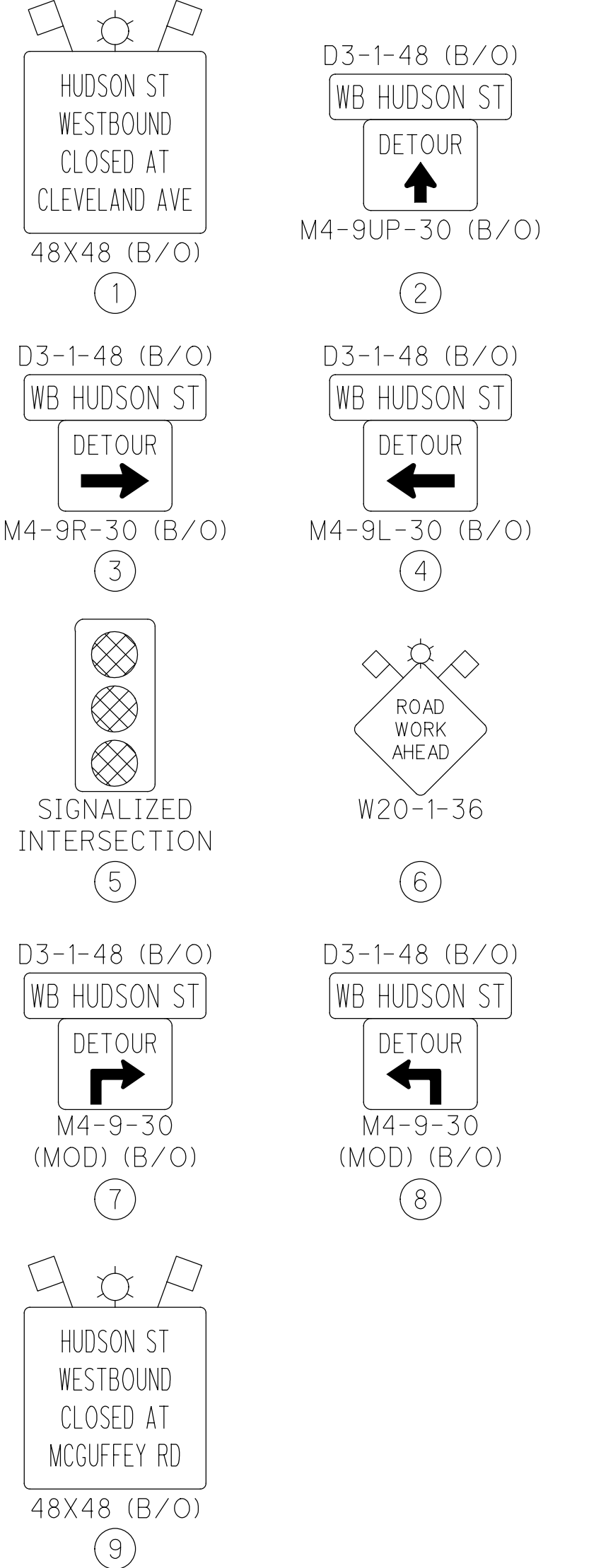
HUDSON ST

NOTE:  
FOR MOT SIGNALIZATION AND SIGNAGE DETAILS AT THIS INTERSECTION SEE SHEET 41.




- MAINTENANCE OF TRAFFIC NOTES
1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
  2. STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
  3. CUSTOM SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.

- MAINTENANCE OF TRAFFIC LEGEND
- ORANGE DRUM WITH TYPE "C" LIGHT
  - ⊙ TYPE "A" FLASHING LIGHT
  - ◇ FLUORESCENT ORANGE FLAG
  - ⊥ BARRICADE
  - ▭ CONCRETE BARRIER
  - ▨ WORK AREA
  - ➔ DIRECTION OF TRAVEL
  - SIGN



PHASE 1B 3575-E



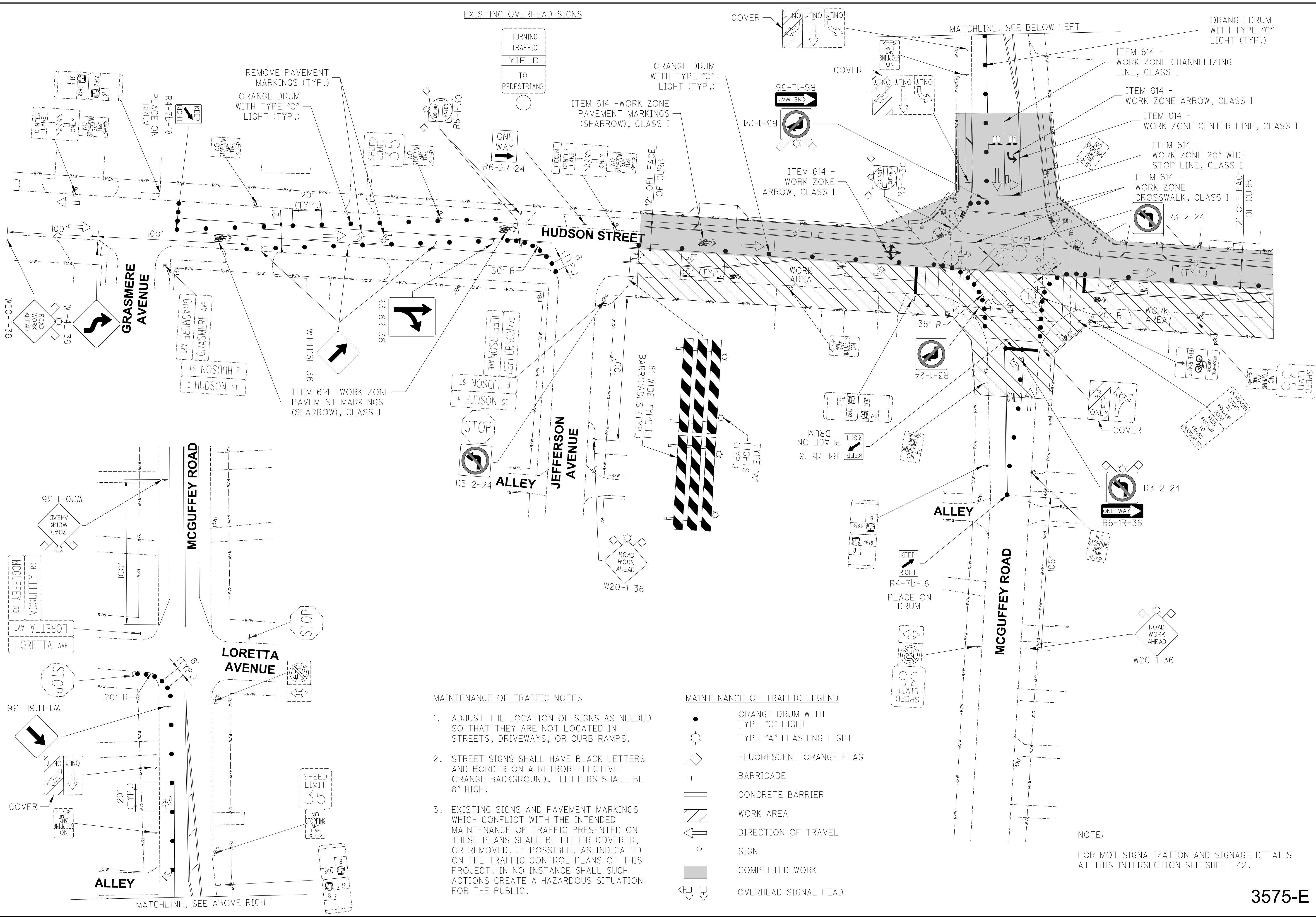
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**DETOUR PLAN PHASE 1B**

**HUDSON ST**

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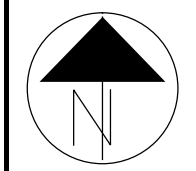
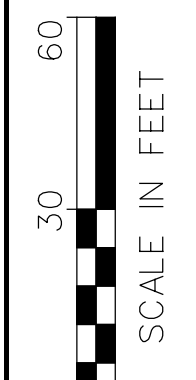
**MAINTENANCE OF TRAFFIC NOTES**

1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
2. STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
3. EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

**MAINTENANCE OF TRAFFIC LEGEND**

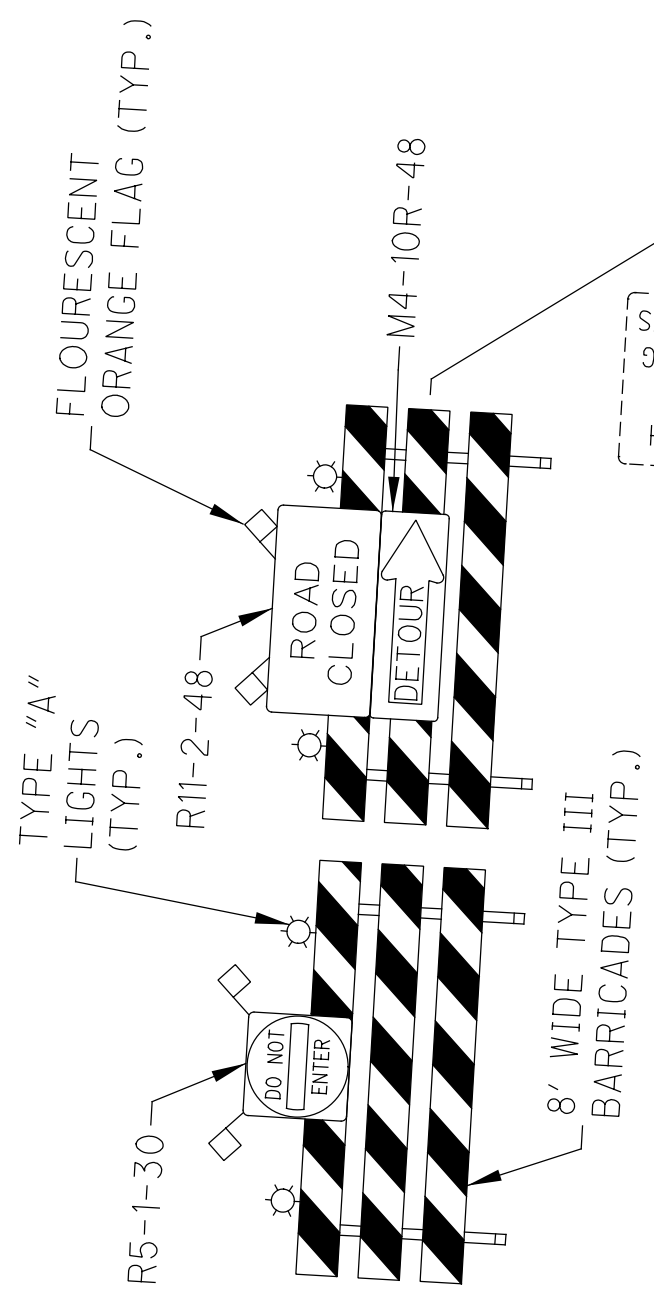
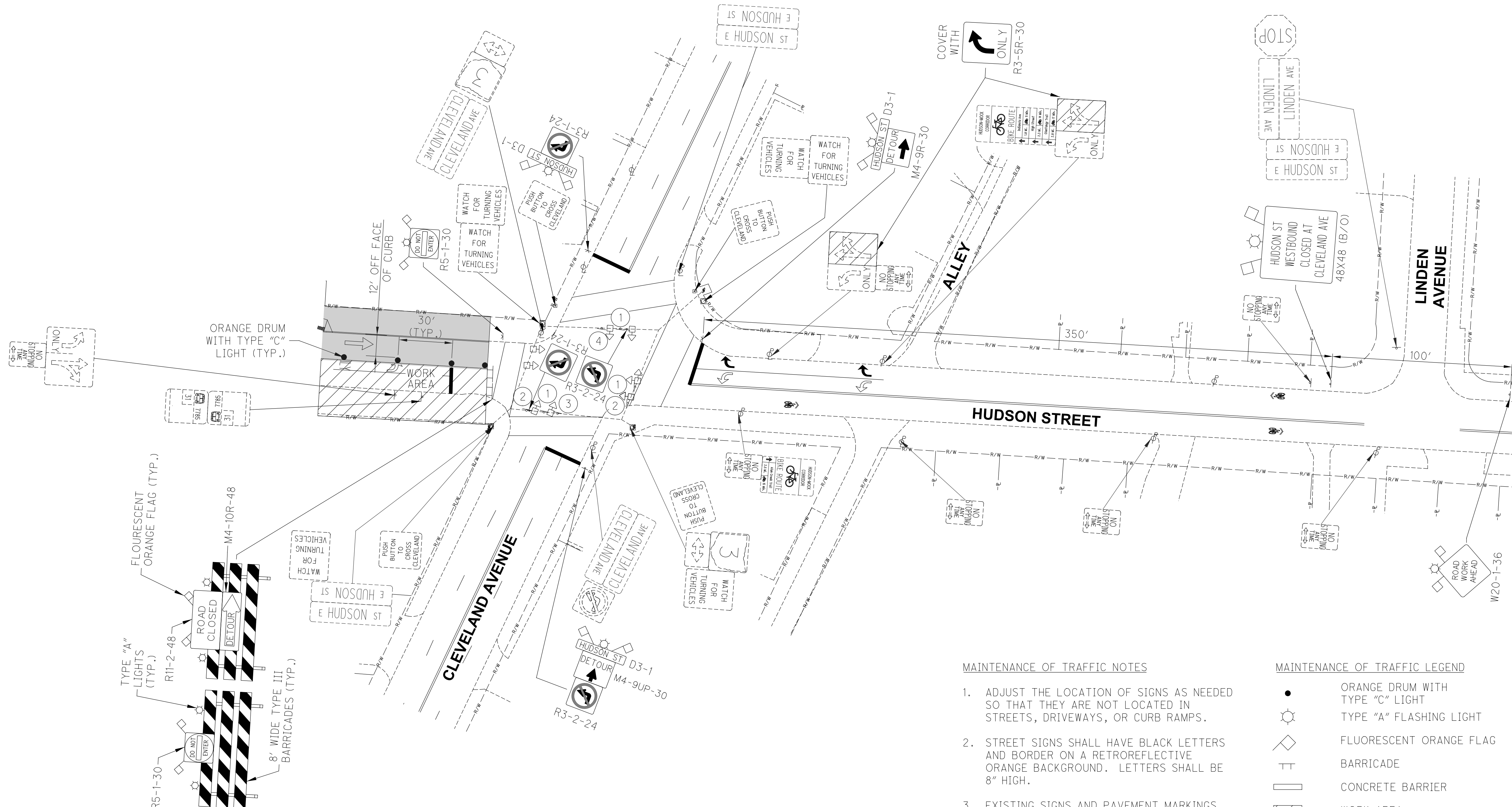
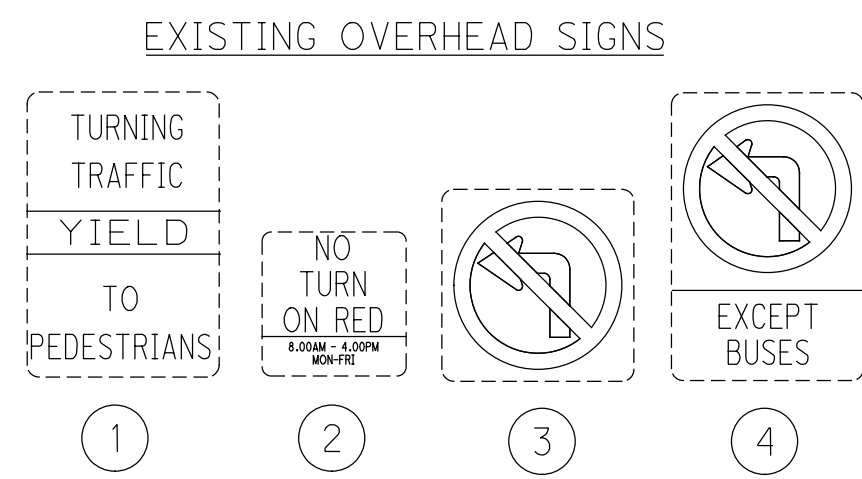
- ORANGE DRUM WITH TYPE "C" LIGHT
- ☼ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- ⊥ BARRICADE
- ▬ CONCRETE BARRIER
- ▨ WORK AREA
- DIRECTION OF TRAVEL
- ⊕ SIGN
- COMPLETED WORK
- ⊕ OVERHEAD SIGNAL HEAD

**NOTE:**  
FOR MOT SIGNALIZATION AND SIGNAGE DETAILS AT THIS INTERSECTION SEE SHEET 42.

  
  
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**MAINTENANCE OF TRAFFIC  
PHASE 1B**

**HUDSON ST**



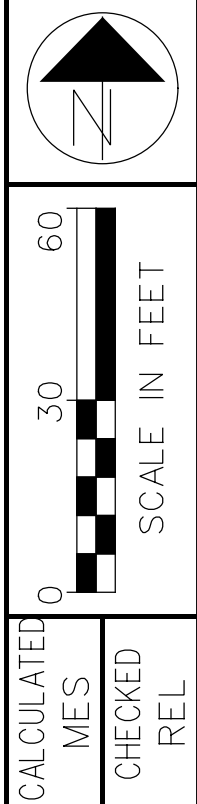
**MAINTENANCE OF TRAFFIC NOTES**

1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
2. STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
3. EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

**MAINTENANCE OF TRAFFIC LEGEND**

- ORANGE DRUM WITH TYPE "C" LIGHT
- ⚡ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- ▬ BARRICADE
- ▬ CONCRETE BARRIER
- ▨ WORK AREA
- ➔ DIRECTION OF TRAVEL
- ⊙ SIGN
- COMPLETED WORK
- ⚡ OVERHEAD SIGNAL HEAD

NOTE:  
FOR MOT SIGNALIZATION AND SIGNAGE DETAILS AT THIS INTERSECTION SEE SHEET 45.



CALCULATED  
MES  
CHECKED  
REL

**MAINTENANCE OF TRAFFIC  
PHASE 1B**

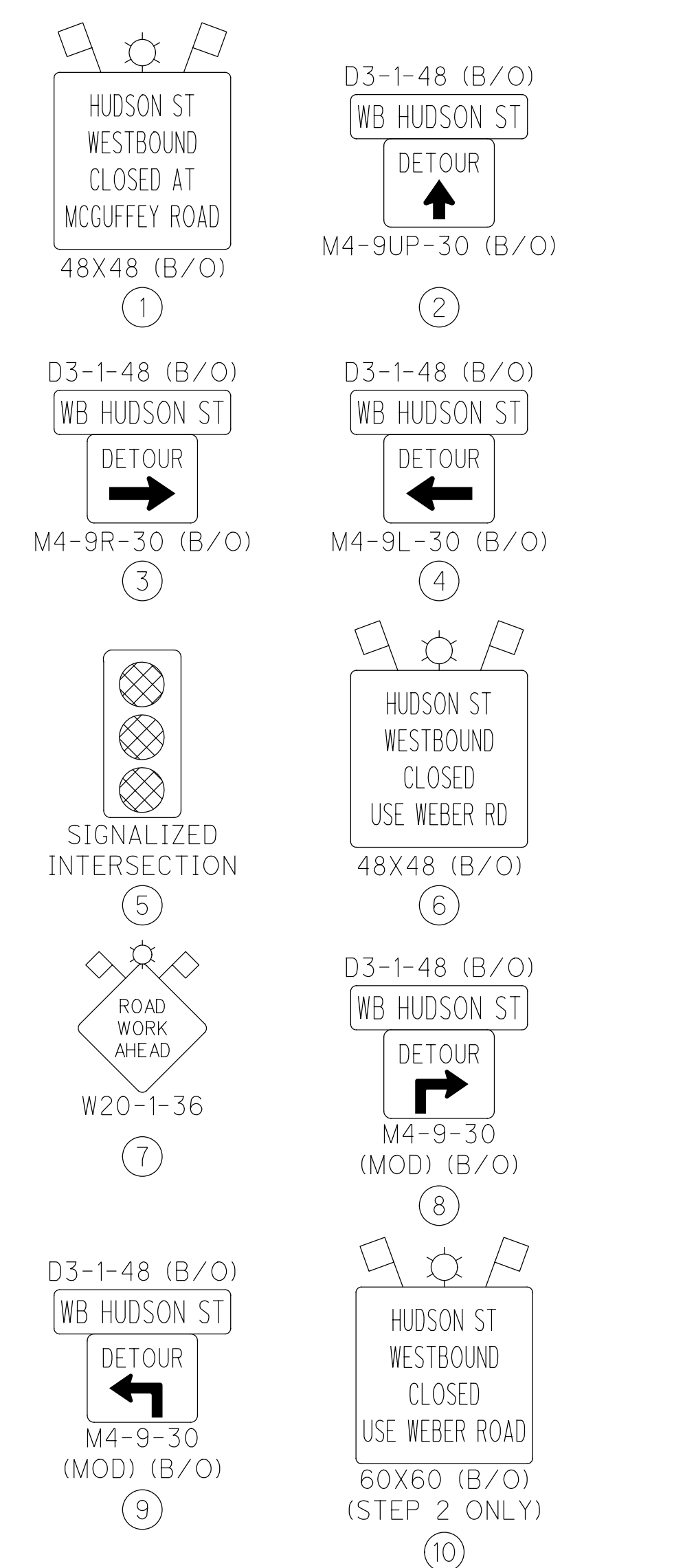
**HUDSON ST**



- 1-71 SIGNAGE NOTES:
- ON NORTHBOUND I-71 PLACE #10 SIGNS AT 1,000' AND 2,200' BEFORE EXIT RAMP TO HUDSON ST.
  - COVER WHEN RAMP IS OPENED. TO BE REUSED FOR PHASE 2B, STEP 1.

- MAINTENANCE OF TRAFFIC NOTES
- ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
  - STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
  - CUSTOM SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.

- MAINTENANCE OF TRAFFIC LEGEND
- ORANGE DRUM WITH TYPE "C" LIGHT
  - TYPE "A" FLASHING LIGHT
  - FLUORESCENT ORANGE FLAG
  - BARRICADE
  - CONCRETE BARRIER
  - WORK AREA
  - DIRECTION OF TRAVEL
  - SIGN



PHASE 2A 3575-E

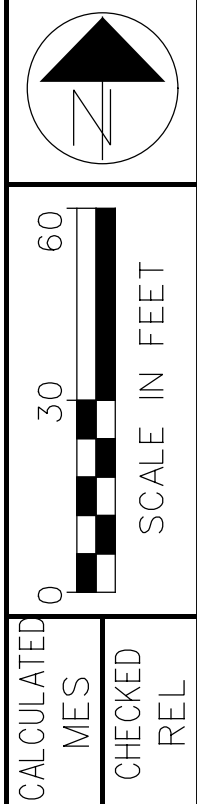
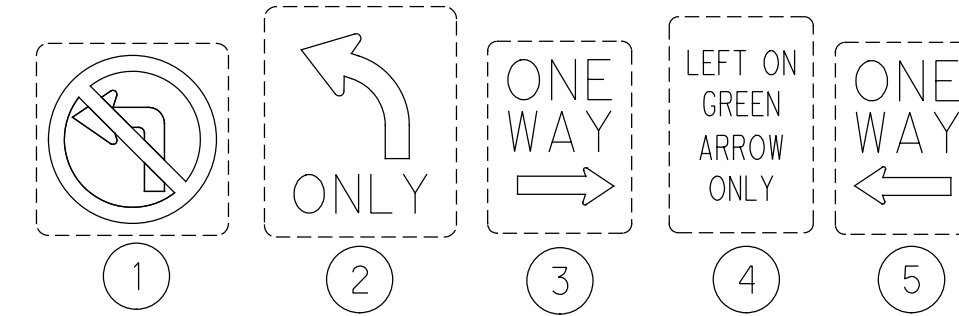
MAINTENANCE OF TRAFFIC NOTES

- ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
- EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

MAINTENANCE OF TRAFFIC LEGEND

●	ORANGE DRUM WITH TYPE "C" LIGHT	▭	CONCRETE BARRIER
⚡	TYPE "A" FLASHING LIGHT	▨	WORK AREA
◇	FLUORESCENT ORANGE FLAG	➡	DIRECTION OF TRAVEL
⊥	BARRICADE	⊥	SIGN
⬆	OVERHEAD SIGNAL HEAD	■	COMPLETED WORK

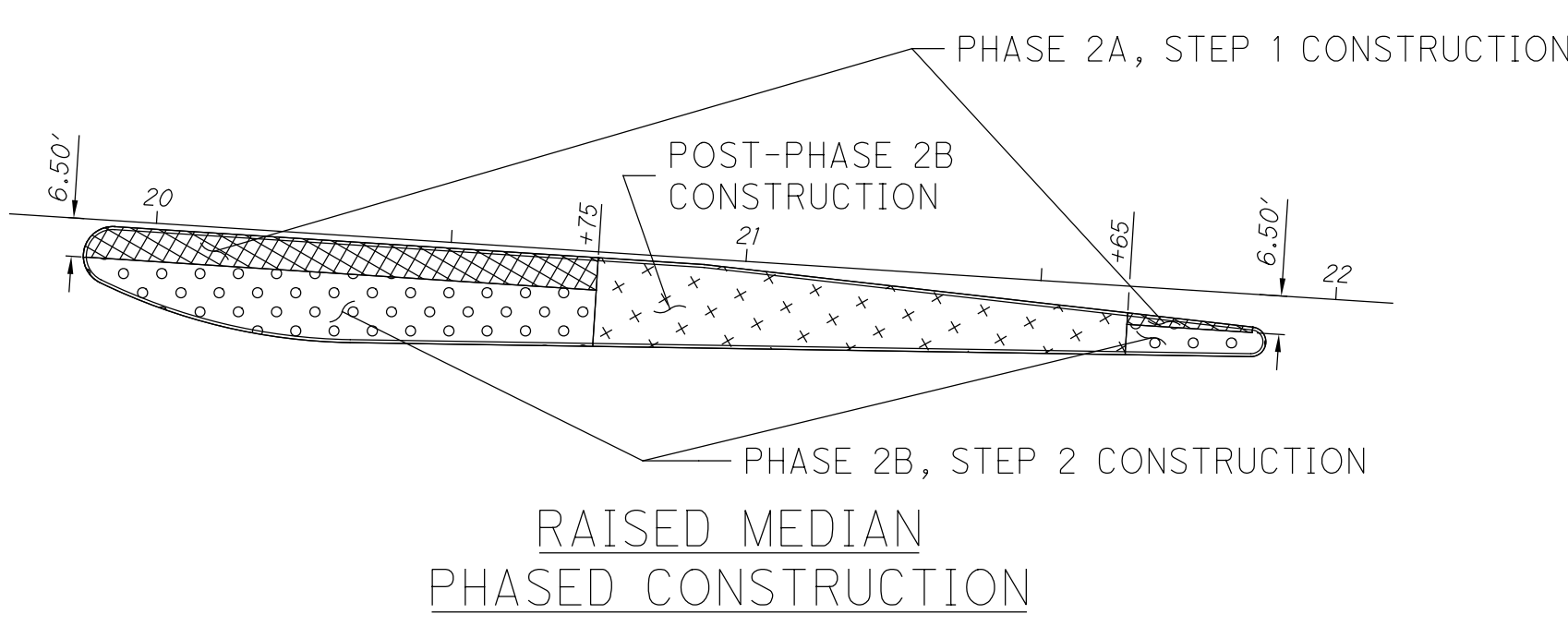
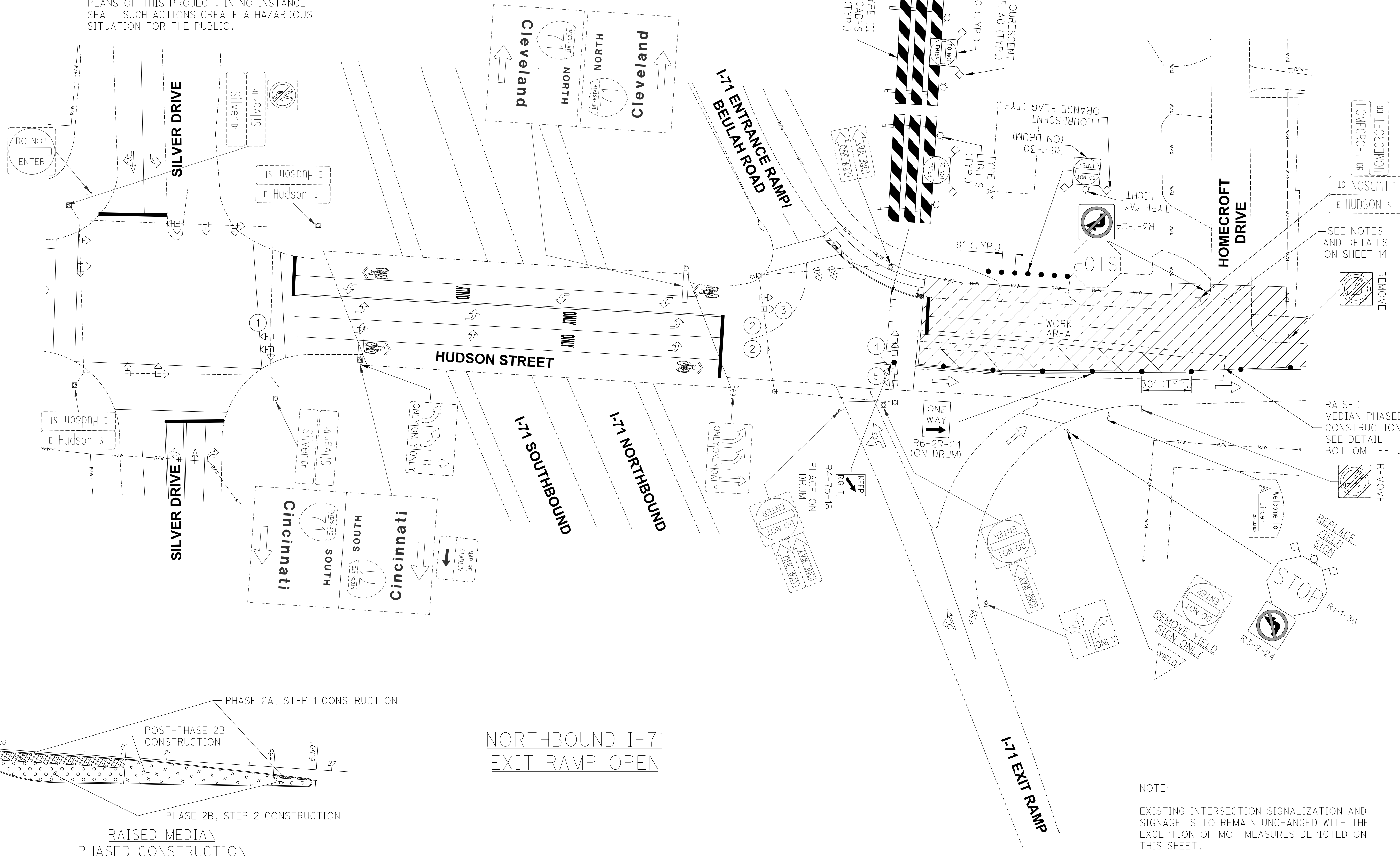
EXISTING OVERHEAD SIGNS



CALCULATED	REL
MES	CHECKED

MAINTENANCE OF TRAFFIC PHASE 2A - STEP 1

HUDSON ST

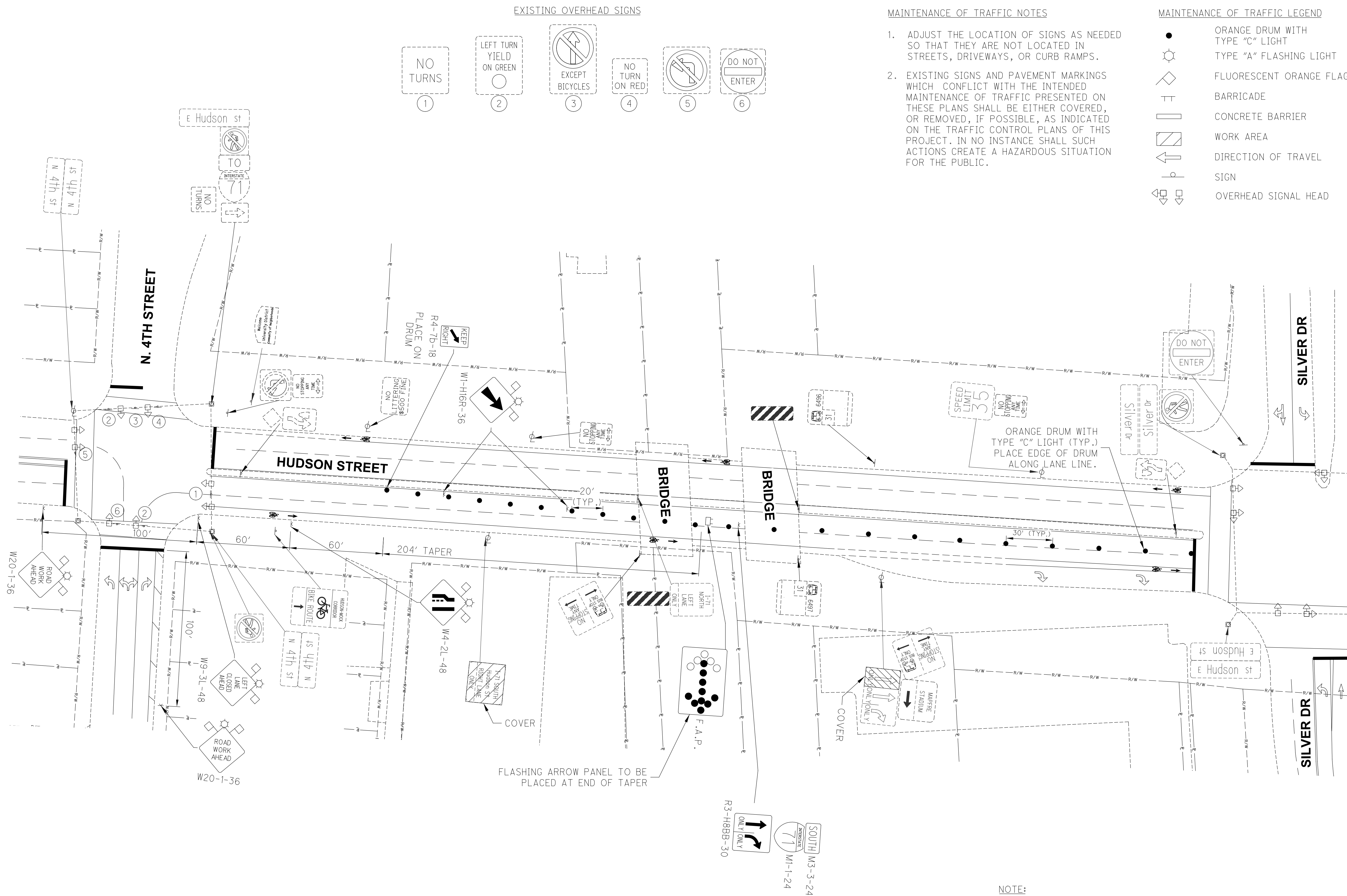


NORTHBOUND I-71  
EXIT RAMP OPEN

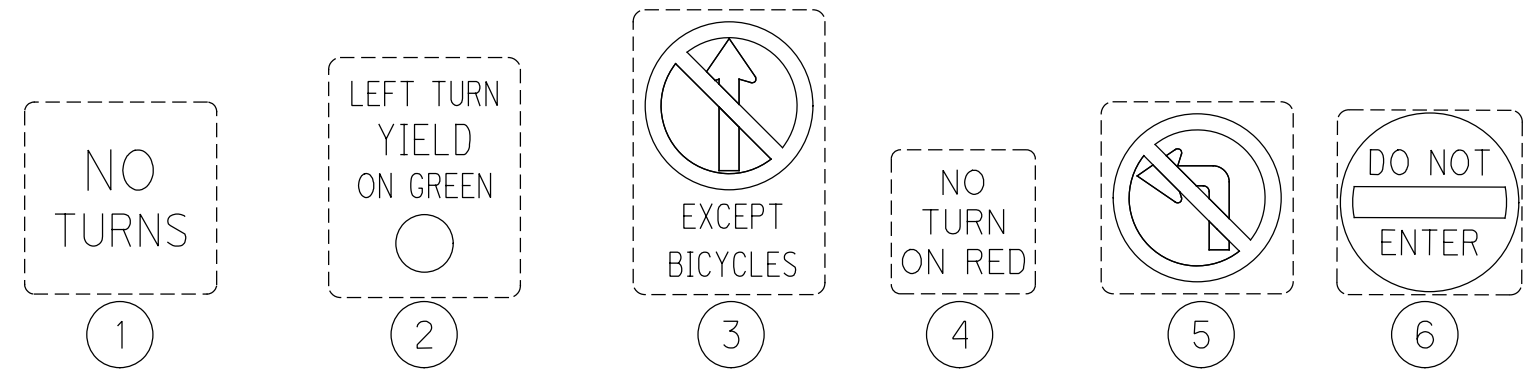
NOTE:  
EXISTING INTERSECTION SIGNALIZATION AND SIGNAGE IS TO REMAIN UNCHANGED WITH THE EXCEPTION OF MOT MEASURES DEPICTED ON THIS SHEET.

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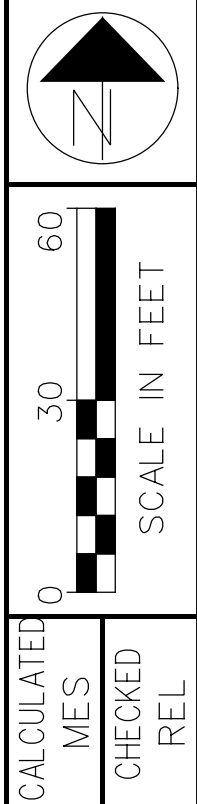
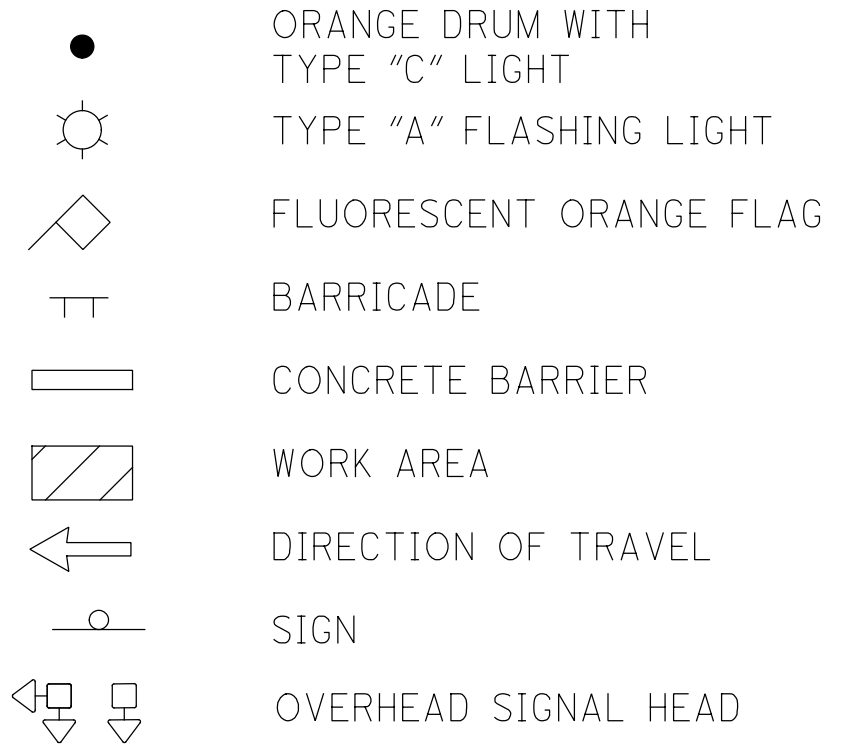
EXISTING OVERHEAD SIGNS



MAINTENANCE OF TRAFFIC NOTES

1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
2. EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

MAINTENANCE OF TRAFFIC LEGEND

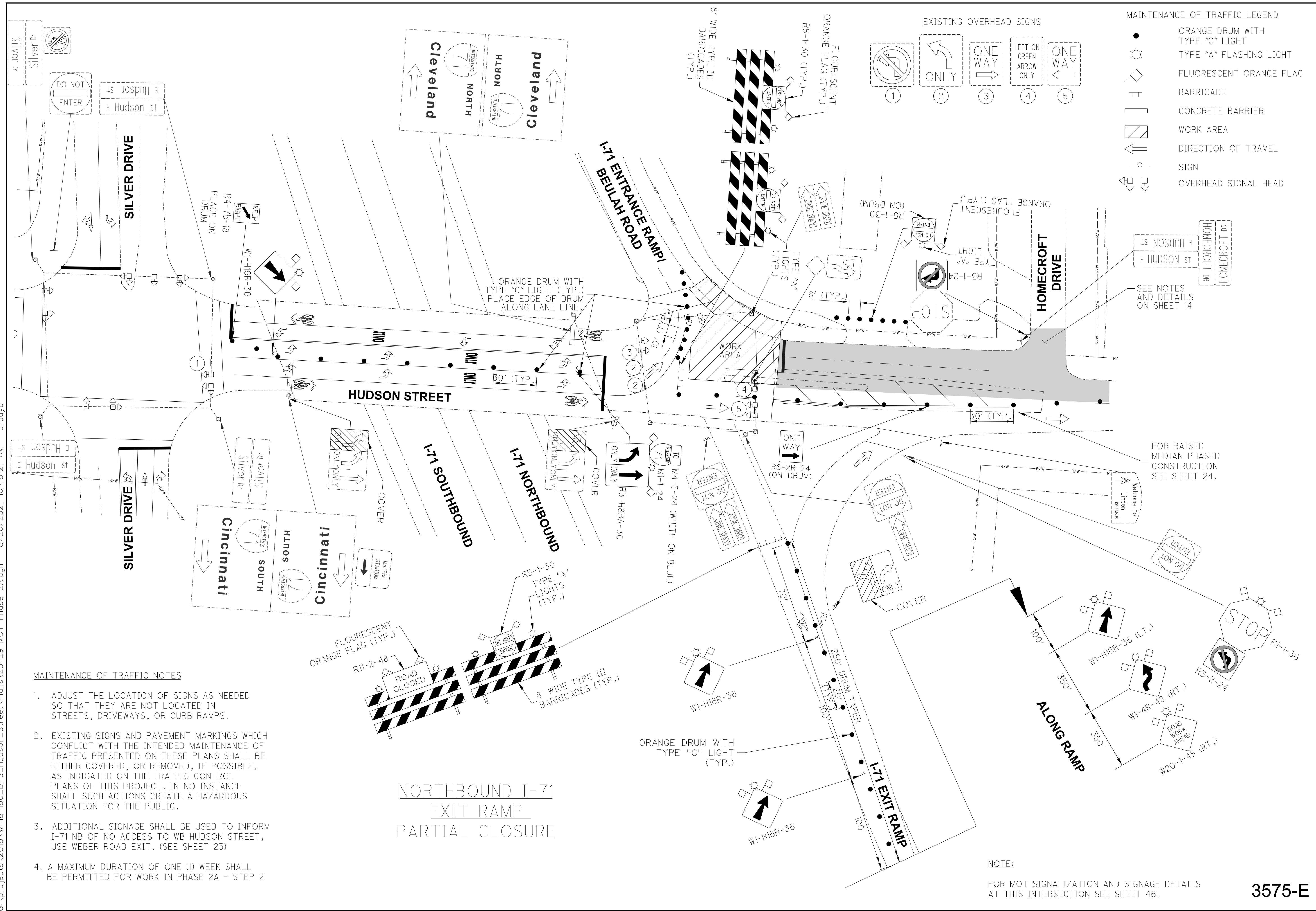


CALCULATED  
MES  
CHECKED  
REL

MAINTENANCE OF TRAFFIC  
PHASE 2A - STEP 2

HUDSON ST

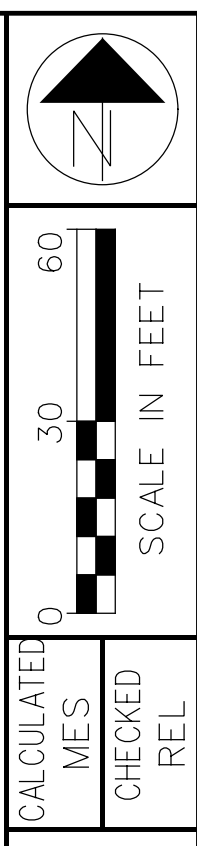
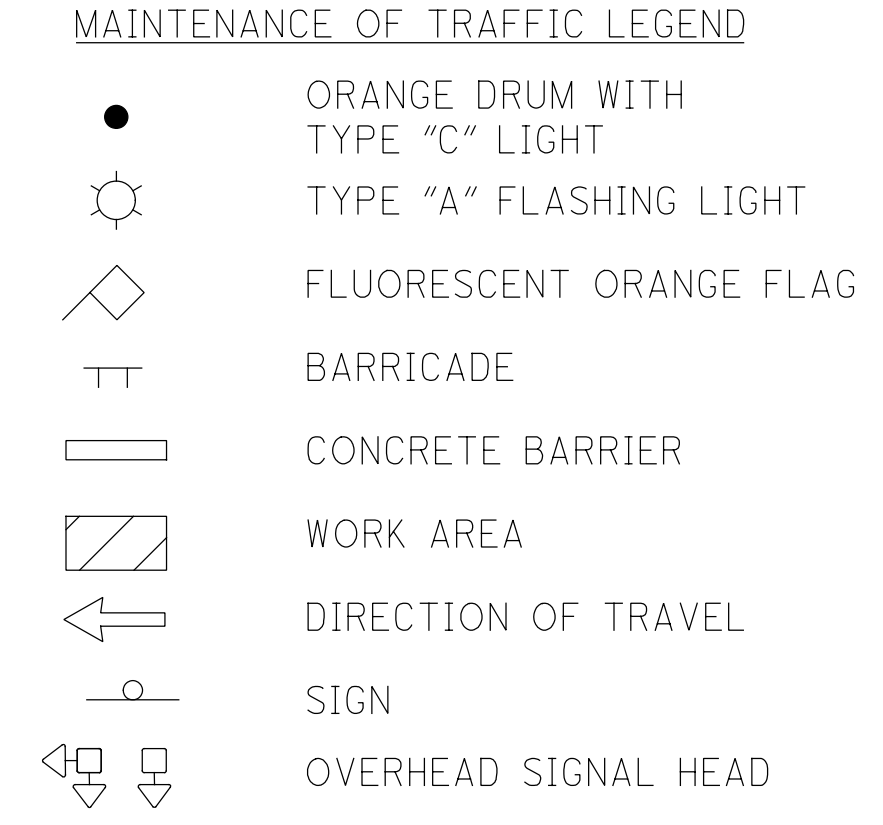
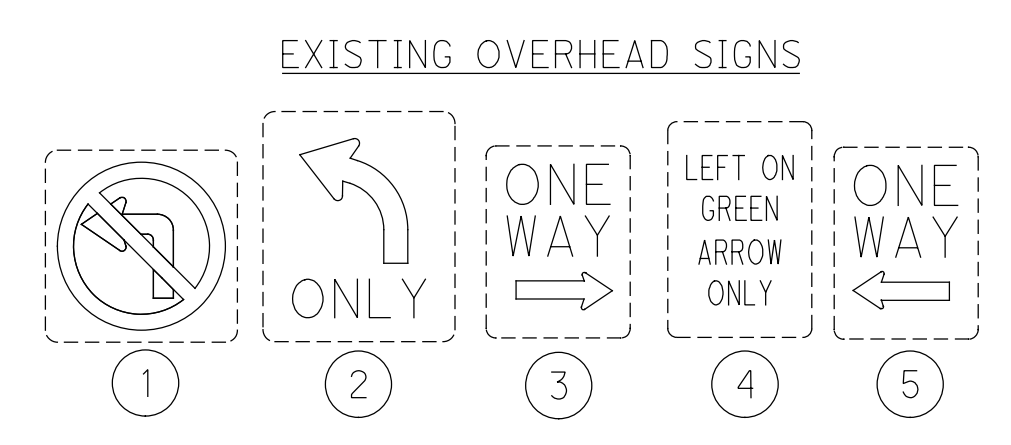
NOTE:  
EXISTING INTERSECTION SIGNALIZATION AND SIGNAGE IS TO REMAIN UNCHANGED WITH THE EXCEPTION OF MOT MEASURES DEPICTED ON THIS SHEET.



- MAINTENANCE OF TRAFFIC NOTES**
- ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
  - EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.
  - ADDITIONAL SIGNAGE SHALL BE USED TO INFORM I-71 NB OF NO ACCESS TO WB HUDSON STREET, USE WEBER ROAD EXIT. (SEE SHEET 23)
  - A MAXIMUM DURATION OF ONE (1) WEEK SHALL BE PERMITTED FOR WORK IN PHASE 2A - STEP 2

NORTHBOUND I-71  
EXIT RAMP  
PARTIAL CLOSURE

NOTE:  
FOR MOT SIGNALIZATION AND SIGNAGE DETAILS AT THIS INTERSECTION SEE SHEET 46.



MAINTENANCE OF TRAFFIC  
PHASE 2A - STEP 2

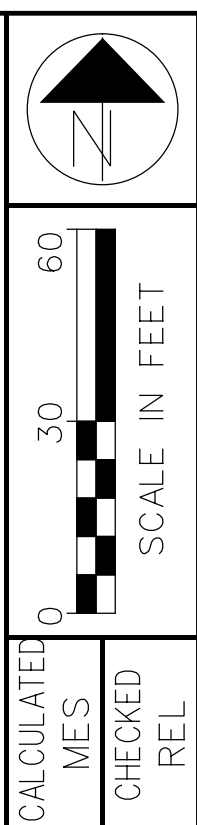
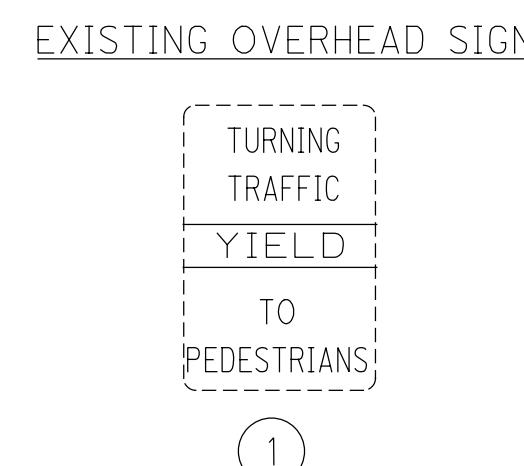
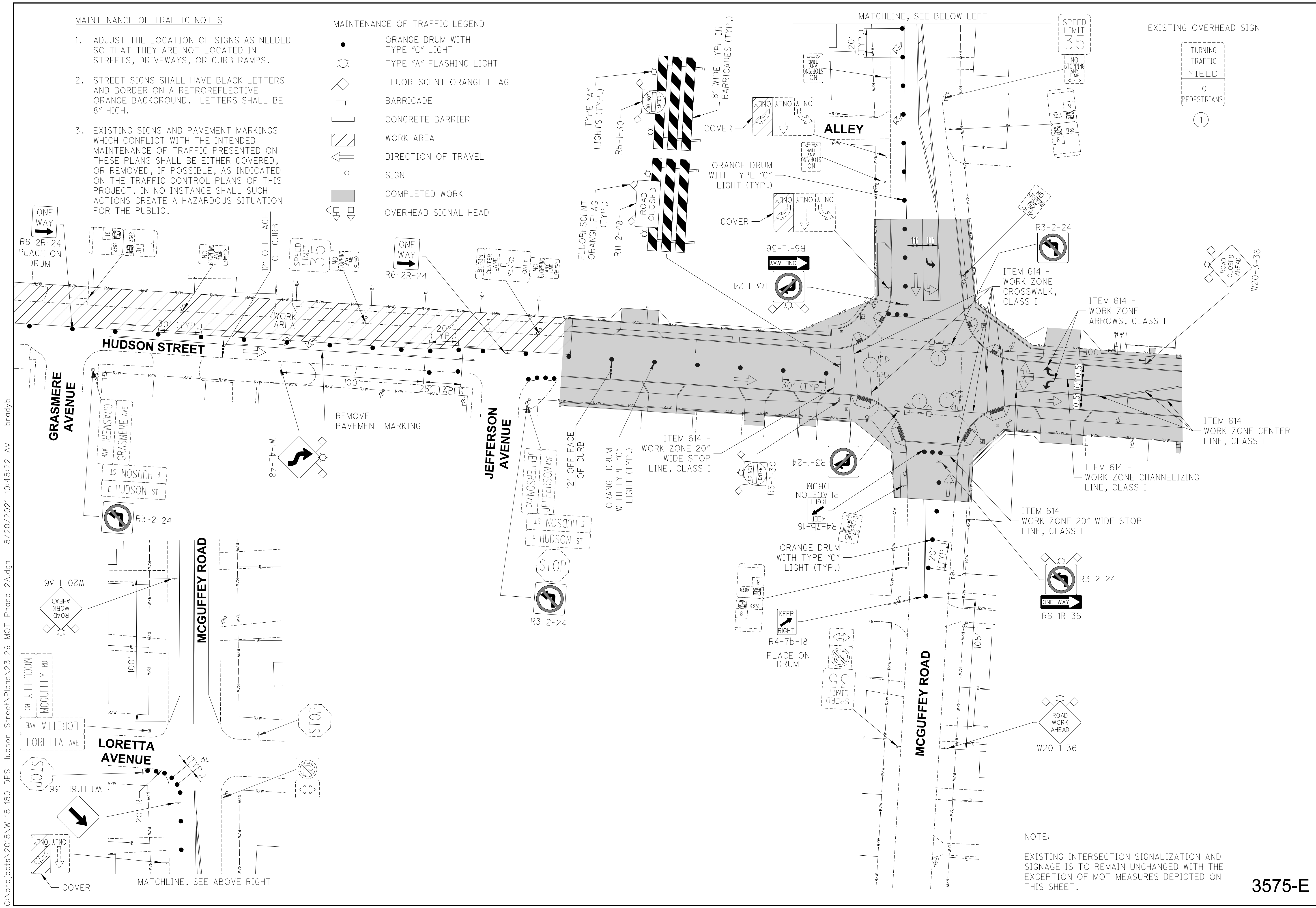
HUDSON ST

**MAINTENANCE OF TRAFFIC NOTES**

- ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
- STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
- EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

**MAINTENANCE OF TRAFFIC LEGEND**

- ORANGE DRUM WITH TYPE "C" LIGHT
- ⦿ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- ▬ BARRICADE
- ▬ CONCRETE BARRIER
- ▨ WORK AREA
- ➔ DIRECTION OF TRAVEL
- ⬮ SIGN
- ▭ COMPLETED WORK
- ⬆ OVERHEAD SIGNAL HEAD



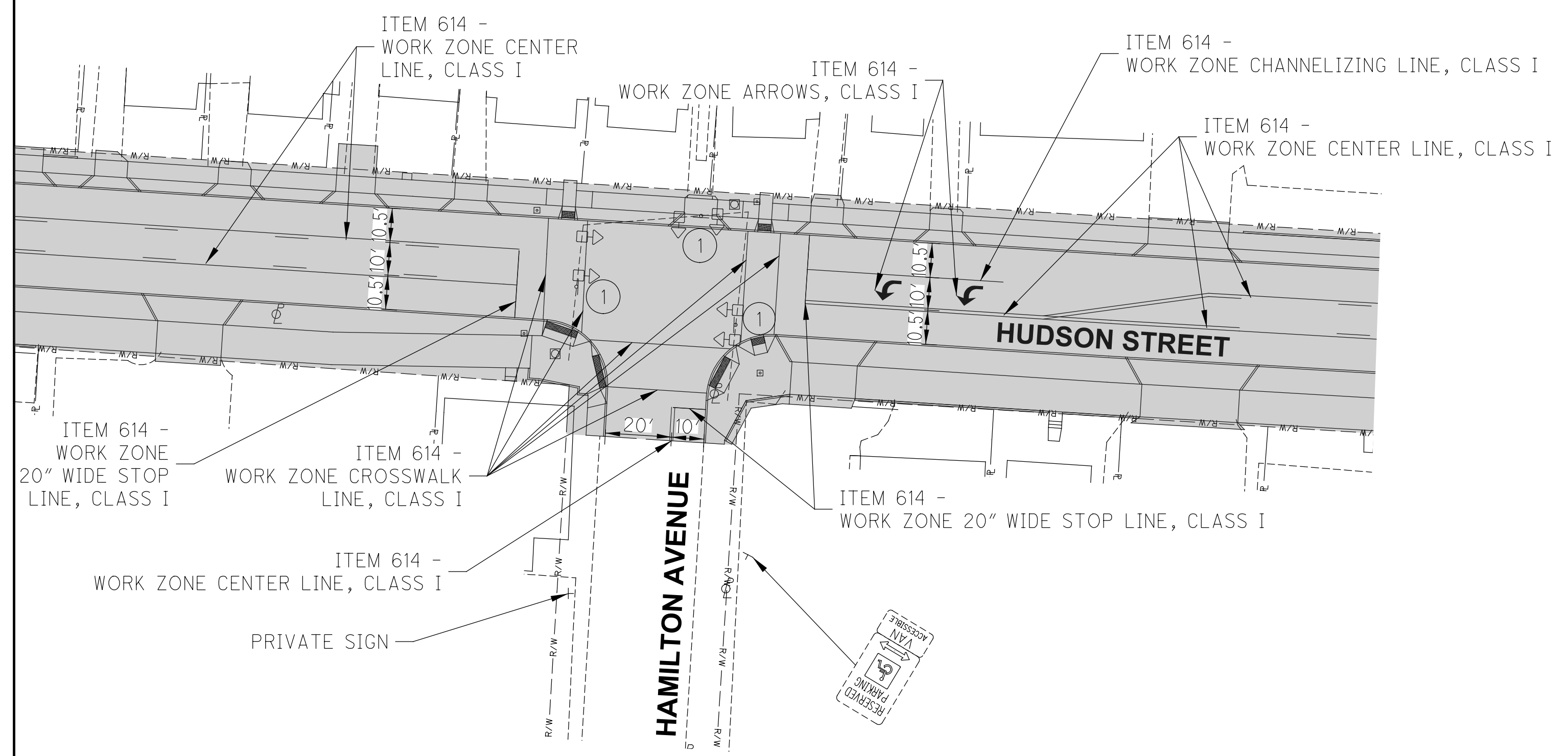
**MAINTENANCE OF TRAFFIC PHASE 2A**

**HUDSON ST**

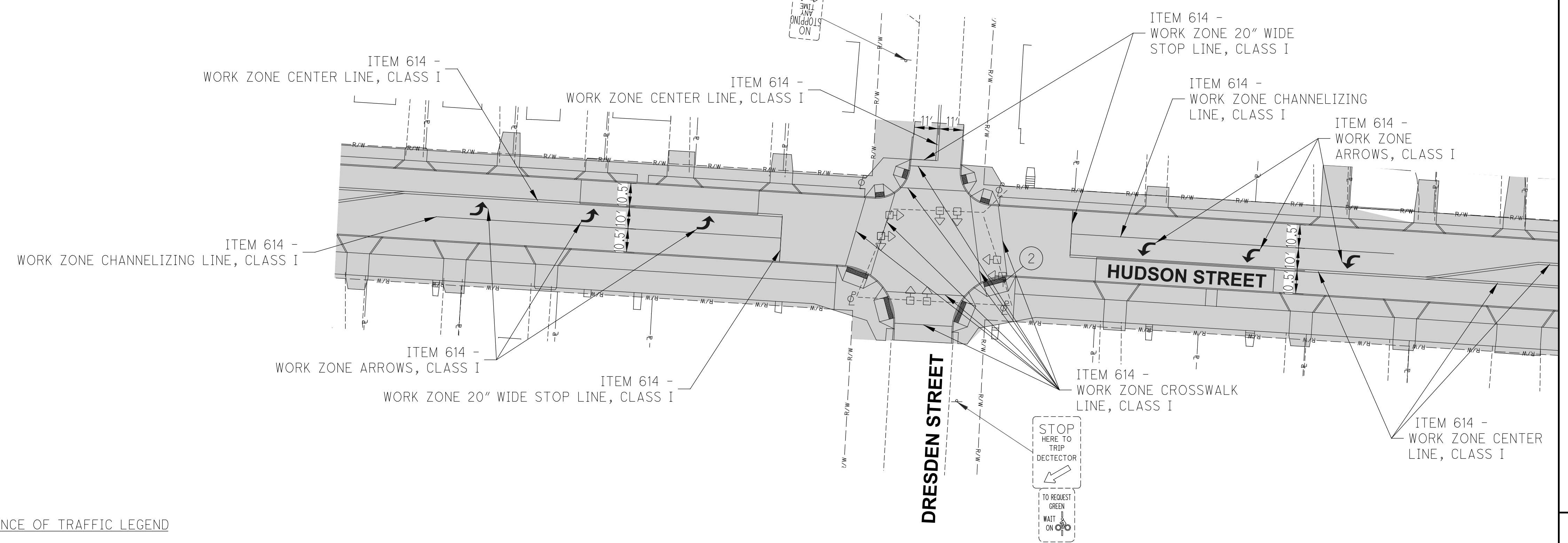
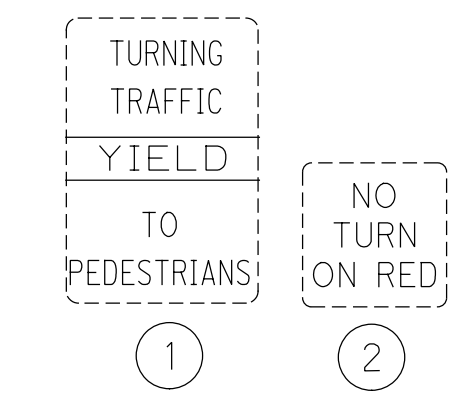
**NOTE:**  
EXISTING INTERSECTION SIGNALIZATION AND SIGNAGE IS TO REMAIN UNCHANGED WITH THE EXCEPTION OF MOT MEASURES DEPICTED ON THIS SHEET.

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EXISTING OVERHEAD SIGNS



**MAINTENANCE OF TRAFFIC NOTES**

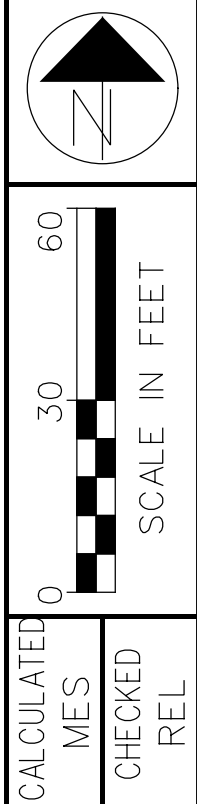
- ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
- STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
- EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

**MAINTENANCE OF TRAFFIC LEGEND**

- ORANGE DRUM WITH TYPE "C" LIGHT
- ☼ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- ⊥ BARRICADE
- ▭ CONCRETE BARRIER
- ▨ WORK AREA
- ← DIRECTION OF TRAVEL
- SIGN
- COMPLETED WORK
- ◀▶ OVERHEAD SIGNAL HEAD

**NOTE:**

FOR MOT SIGNALIZATION AND SIGNAGE DETAILS FOR PHASES 1A & 1B AT THESE INTERSECTIONS, SEE SHEETS 39, 40, 43, & 44.



**MAINTENANCE OF TRAFFIC PHASE 2A**

**HUDSON ST**

MAINTENANCE OF TRAFFIC LEGEND

- ORANGE DRUM WITH TYPE "C" LIGHT
- ⊙ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- ⊥ BARRICADE
- ▭ CONCRETE BARRIER
- ▨ WORK AREA
- DIRECTION OF TRAVEL
- ⊖ SIGN
- COMPLETED WORK
- ⬆️ OVERHEAD SIGNAL HEAD

EXISTING OVERHEAD SIGNS

- ① TURNING TRAFFIC YIELD TO PEDESTRIANS
- ② NO TURN ON RED FROM 4:00PM TO 6:00PM MON-FRI
- ③ [No Right Turn Sign]
- ④ EXCEPT BUSES

MAINTENANCE OF TRAFFIC NOTES

1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMP.
2. STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
3. EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

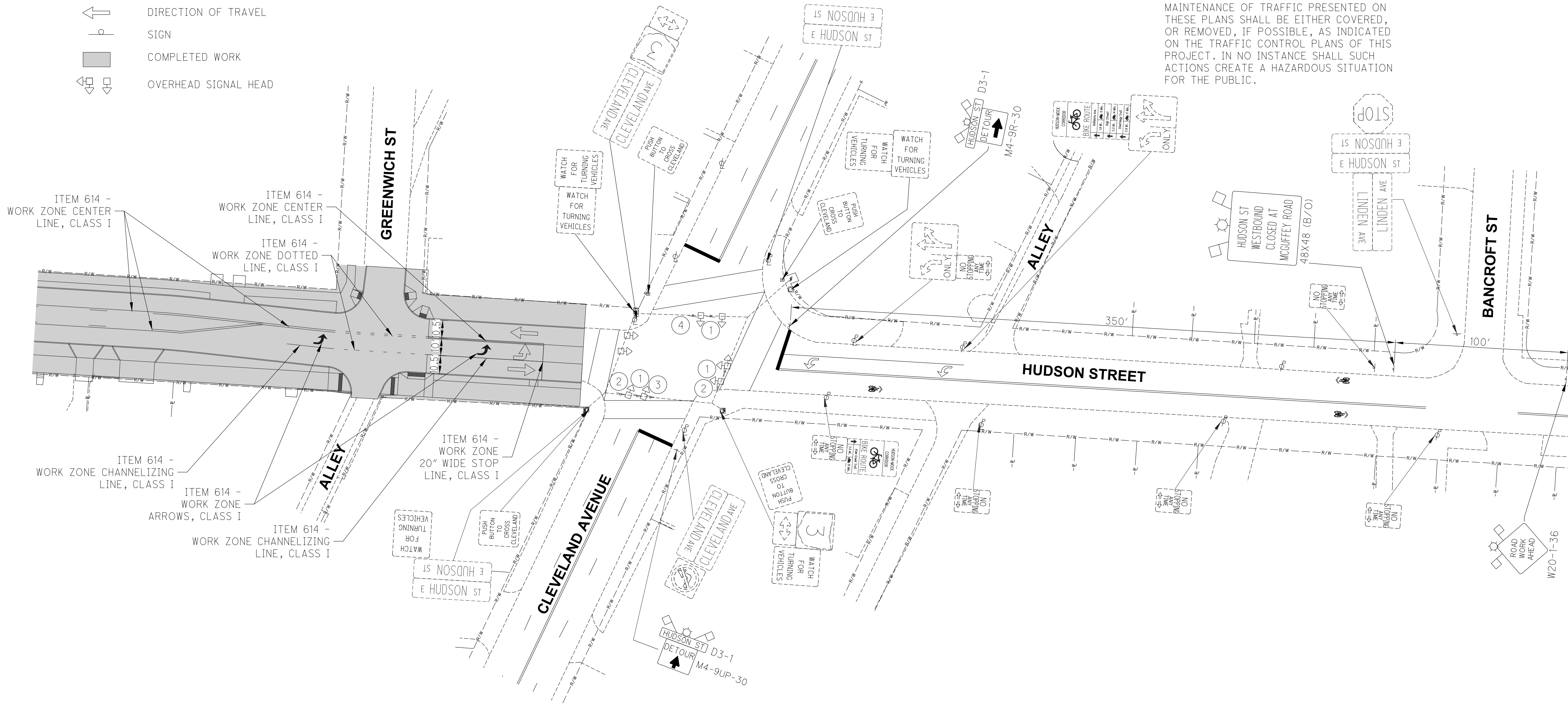
CALCULATED 0  
MES  
CHECKED  
REL

60  
30  
0  
SCALE IN FEET

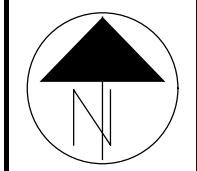
MAINTENANCE OF TRAFFIC PHASE 2A

HUDSON ST

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NOTE:  
EXISTING INTERSECTION SIGNALIZATION AND SIGNAGE IS TO REMAIN UNCHANGED WITH THE EXCEPTION OF MOT MEASURES DEPICTED ON THIS SHEET.



NOT TO SCALE

CALCULATED  
M.E.S.  
CHECKED  
REL

DETOUR PLAN PHASE 2B

HUDSON ST

30  
535

MAINTENANCE OF TRAFFIC NOTES

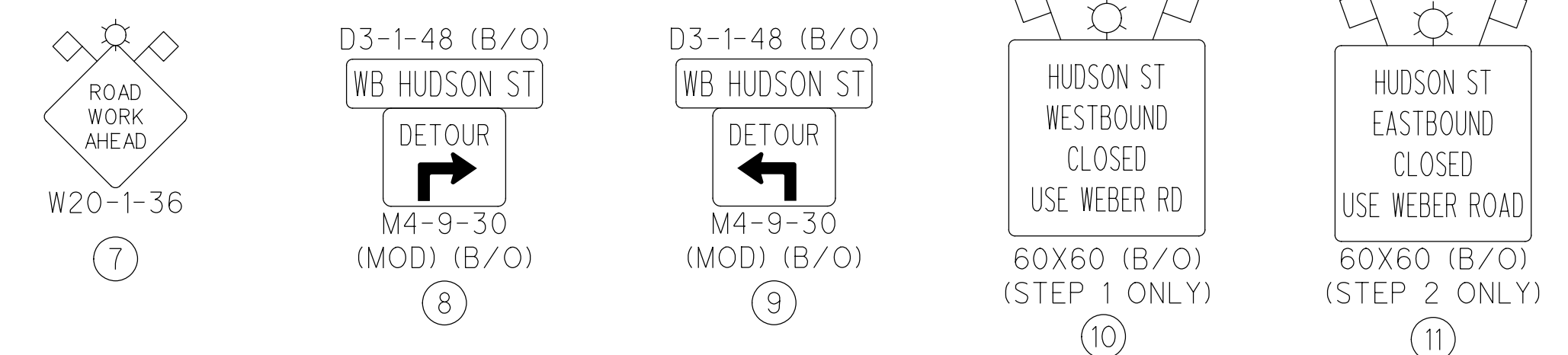
1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
2. STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
3. CUSTOM SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
4. THERE IS ONLY ONE RESIDENCE ALONG HUDSON STREET THAT IS IMPACTED BY PHASE 2B MOT. THE HOUSE IS LOCATED AT 896 E. HUDSON STREET. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE RESIDENT TO PARK IN THE ADJOINING COMMERCIAL LOT. THEN THE RESIDENT'S DRIVEWAY SHALL BE BARRICADED TO PREVENT ACCESS DURING PHASE 2B.

MAINTENANCE OF TRAFFIC LEGEND

- ORANGE DRUM WITH TYPE "C" LIGHT
- TYPE "A" FLASHING LIGHT
- FLUORESCENT ORANGE FLAG
- BARRICADE
- CONCRETE BARRIER
- WORK AREA
- DIRECTION OF TRAVEL SIGN



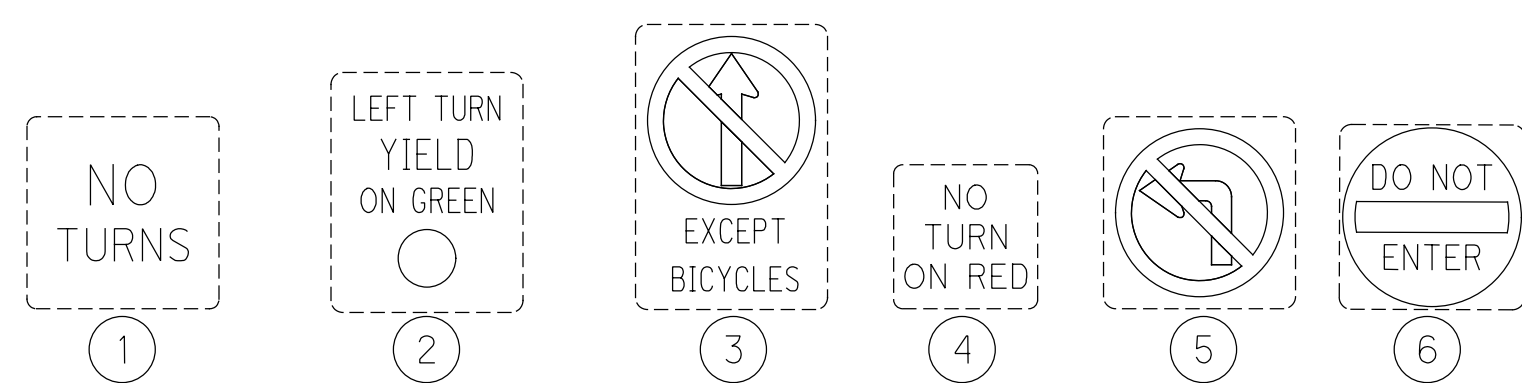
- I-71 SIGNAGE NOTES:
1. ON NORTHBOUND I-71 PLACE #10 & #11 SIGNS AT 1,000' AND 2,200' BEFORE EXIT RAMP TO HUDSON ST. DURING NOTED STEP.
  2. REPLACE SIGNS AS NOTED, REMOVE SIGNS WHEN RAMP OPENS.



PHASE 2B

3575-E

EXISTING OVERHEAD SIGNS

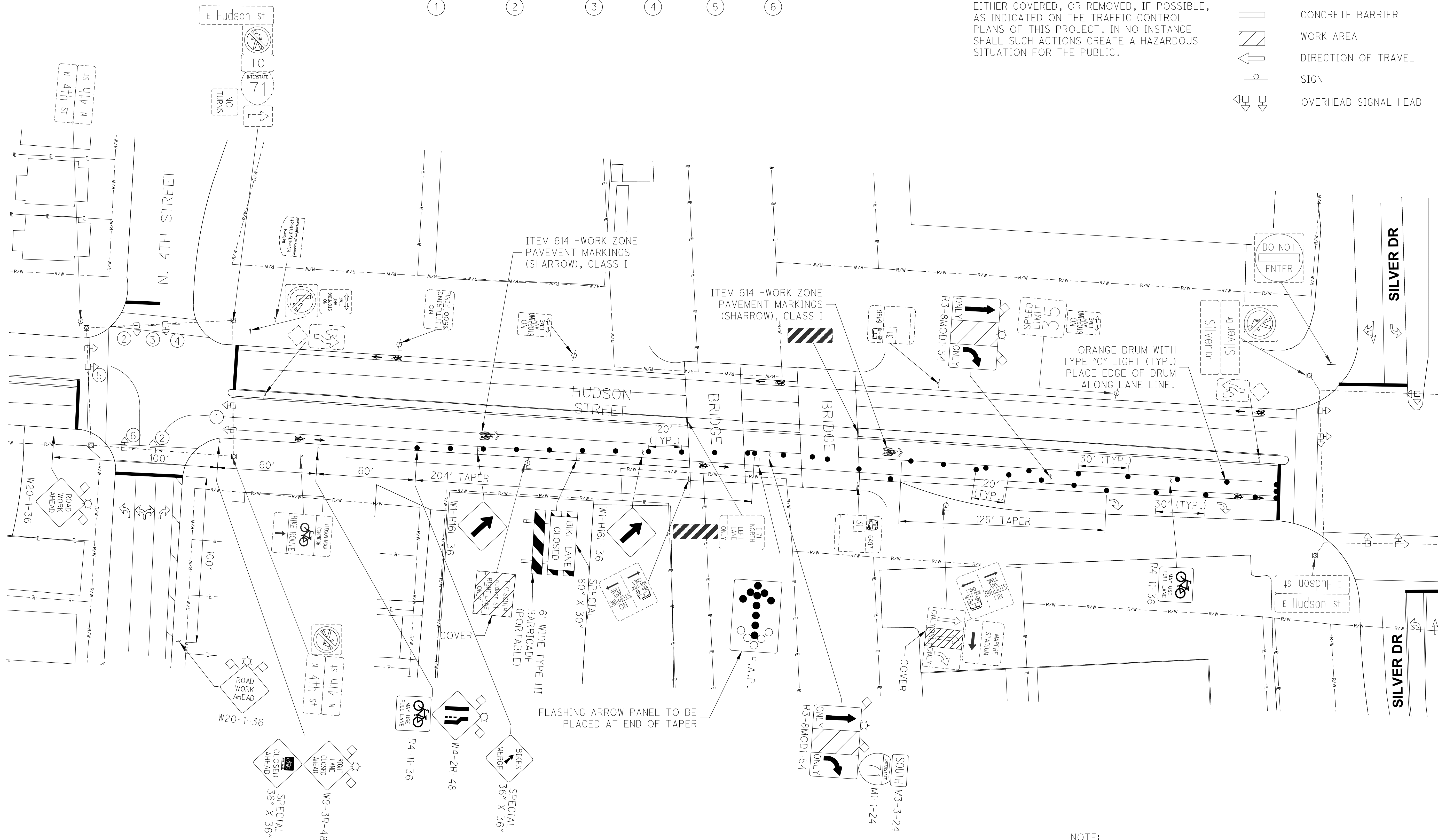


MAINTENANCE OF TRAFFIC NOTES

- ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
- EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

MAINTENANCE OF TRAFFIC LEGEND

- ORANGE DRUM WITH TYPE "C" LIGHT
- ⚡ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- ⊥ BARRICADE
- ▭ CONCRETE BARRIER
- ▨ WORK AREA
- ➔ DIRECTION OF TRAVEL
- ⊖ SIGN
- ⬆️ OVERHEAD SIGNAL HEAD



NOTE:  
EXISTING INTERSECTION SIGNALIZATION AND SIGNAGE IS TO REMAIN UNCHANGED WITH THE EXCEPTION OF MOT MEASURES DEPICTED ON THIS SHEET.

CALCULATED  
MES  
CHECKED  
REL

0 30 60  
SCALE IN FEET

MAINTENANCE OF TRAFFIC  
PHASE 2B

HUDSON ST

MAINTENANCE OF TRAFFIC LEGEND

- ORANGE DRUM WITH TYPE "C" LIGHT
- ⊙ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- ⊥ BARRICADE
- ▬ CONCRETE BARRIER
- ▨ WORK AREA
- ← DIRECTION OF TRAVEL
- ⊖ SIGN
- COMPLETED WORK
- ⬆ OVERHEAD SIGNAL HEAD

EXISTING OVERHEAD SIGNS

- ①
- ② ONLY
- ③ ONE WAY
- ④ LEFT ON GREEN ARROW ONLY
- ⑤ ONE WAY

SCALE IN FEET

0 30 60

CALCULATED MES CHECKED REL

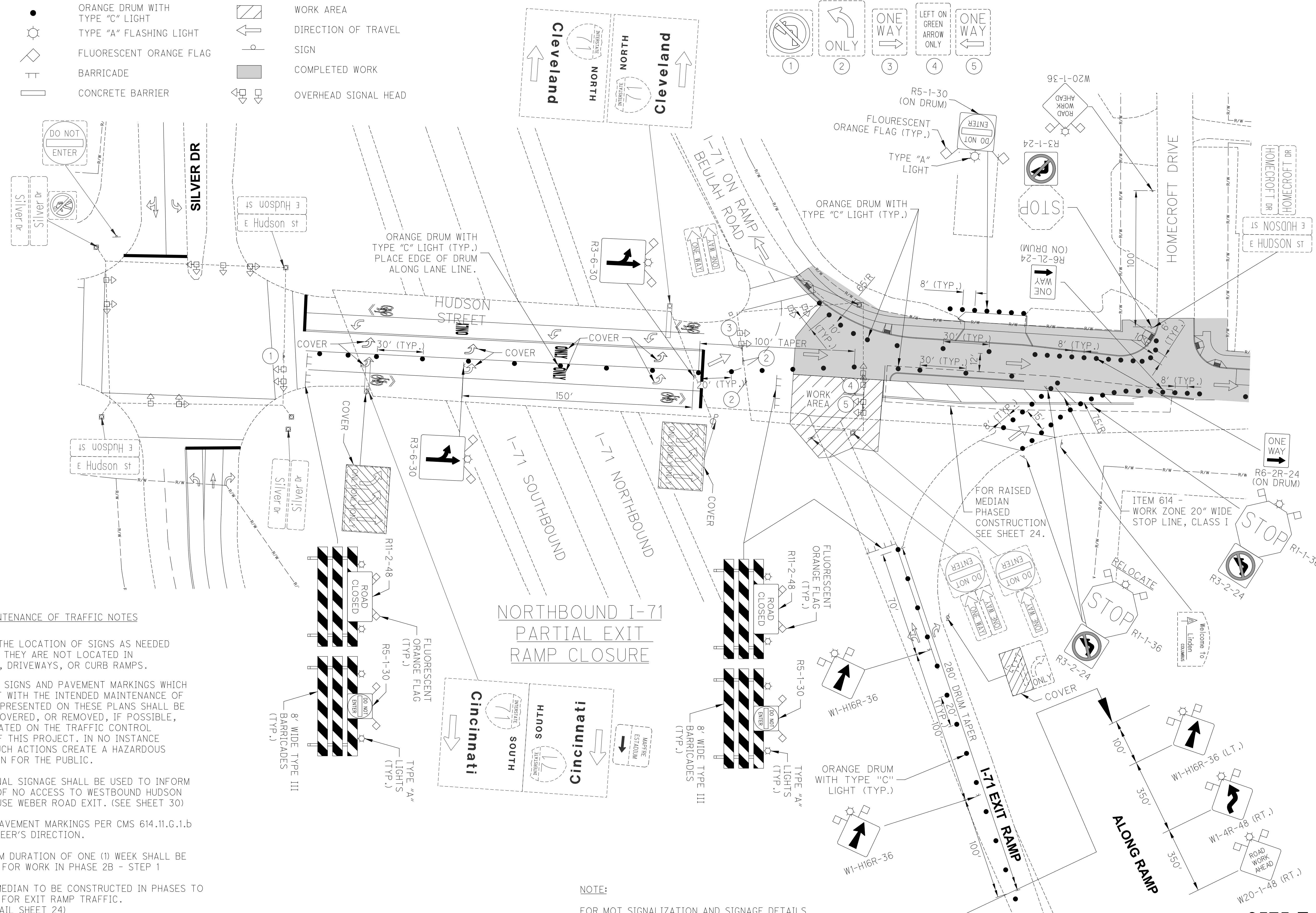
MAINTENANCE OF TRAFFIC PHASE 2B - STEP 1

HUDSON ST

MAINTENANCE OF TRAFFIC NOTES

1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
2. EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.
3. ADDITIONAL SIGNAGE SHALL BE USED TO INFORM I-71 NB OF NO ACCESS TO WESTBOUND HUDSON STREET USE WEBER ROAD EXIT. (SEE SHEET 30)
4. COVER PAVEMENT MARKINGS PER CMS 614.11.G.1.b AT ENGINEER'S DIRECTION.
5. A MAXIMUM DURATION OF ONE (1) WEEK SHALL BE PERMITTED FOR WORK IN PHASE 2B - STEP 1
6. RAISED MEDIAN TO BE CONSTRUCTED IN PHASES TO PROVIDE FOR EXIT RAMP TRAFFIC. (SEE DETAIL SHEET 24)

NOTE:  
FOR MOT SIGNALIZATION AND SIGNAGE DETAILS AT THIS INTERSECTION SEE SHEET 47.



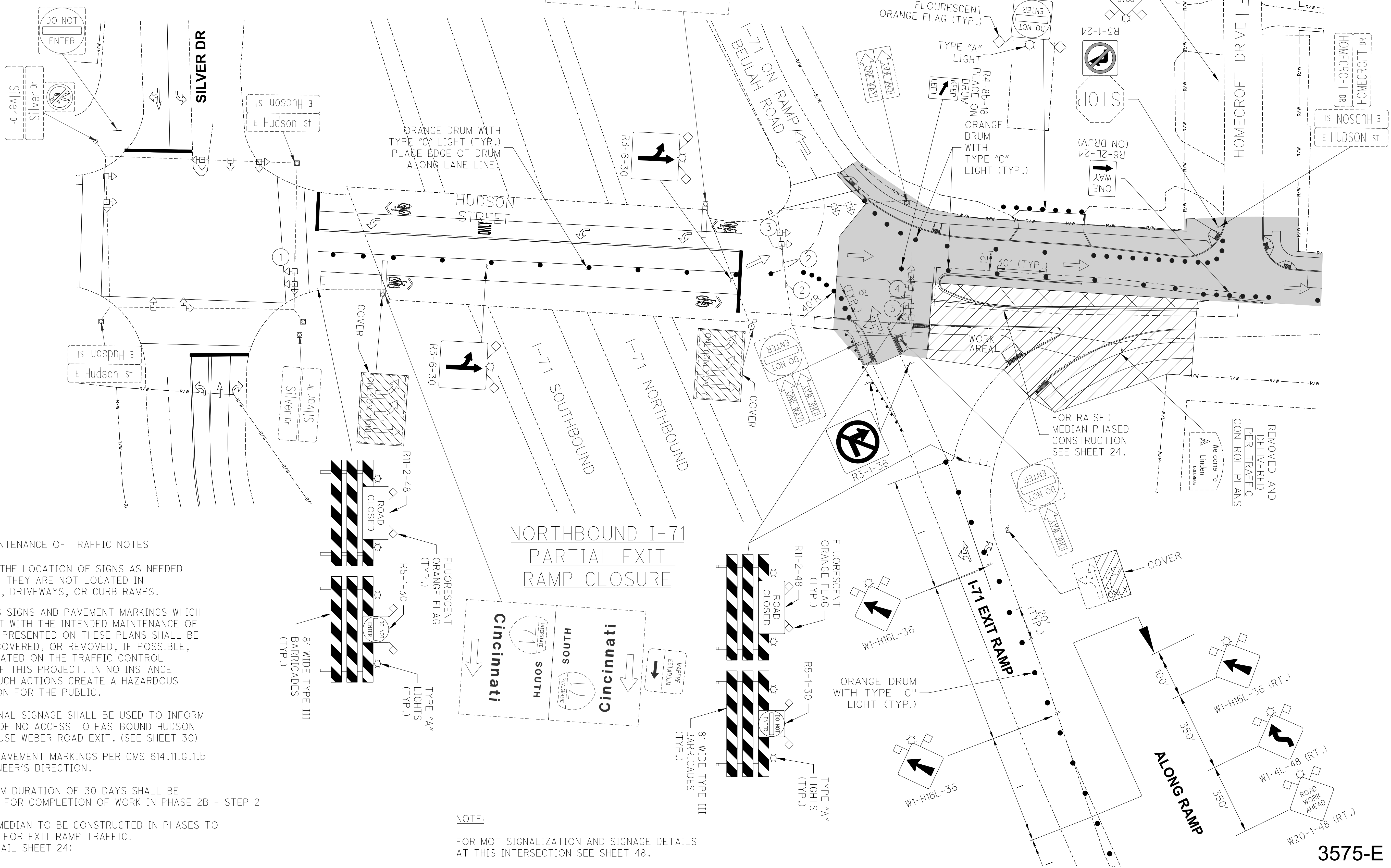
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**MAINTENANCE OF TRAFFIC LEGEND**

●	ORANGE DRUM WITH TYPE "C" LIGHT		WORK AREA
⦿	TYPE "A" FLASHING LIGHT		DIRECTION OF TRAVEL
◇	FLUORESCENT ORANGE FLAG		SIGN
⊥	BARRICADE		COMPLETED WORK
▬	CONCRETE BARRIER		OVERHEAD SIGNAL HEAD

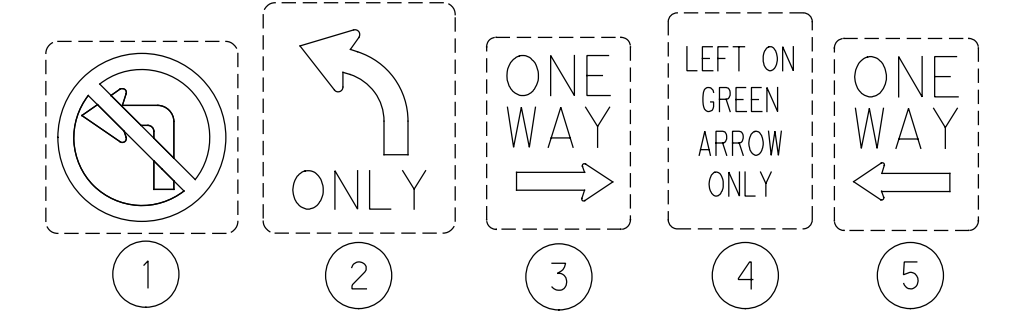


**MAINTENANCE OF TRAFFIC NOTES**

- ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
- EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.
- ADDITIONAL SIGNAGE SHALL BE USED TO INFORM I-71 NB OF NO ACCESS TO EASTBOUND HUDSON STREET USE WEBER ROAD EXIT. (SEE SHEET 30)
- COVER PAVEMENT MARKINGS PER CMS 614.11.G.1.b AT ENGINEER'S DIRECTION.
- A MAXIMUM DURATION OF 30 DAYS SHALL BE PERMITTED FOR COMPLETION OF WORK IN PHASE 2B - STEP 2
- RAISED MEDIAN TO BE CONSTRUCTED IN PHASES TO PROVIDE FOR EXIT RAMP TRAFFIC. (SEE DETAIL SHEET 24)

**NOTE:**  
FOR MOT SIGNALIZATION AND SIGNAGE DETAILS AT THIS INTERSECTION SEE SHEET 48.

**EXISTING OVERHEAD SIGNS**



0 30 60
   
 SCALE IN FEET
   
 CALCULATED: \_\_\_\_\_
   
 MES: \_\_\_\_\_
   
 CHECKED: \_\_\_\_\_
   
 REL: \_\_\_\_\_

**MAINTENANCE OF TRAFFIC  
PHASE 2B - STEP 2**

**HUDSON ST**

3575-E

MAINTENANCE OF TRAFFIC NOTES

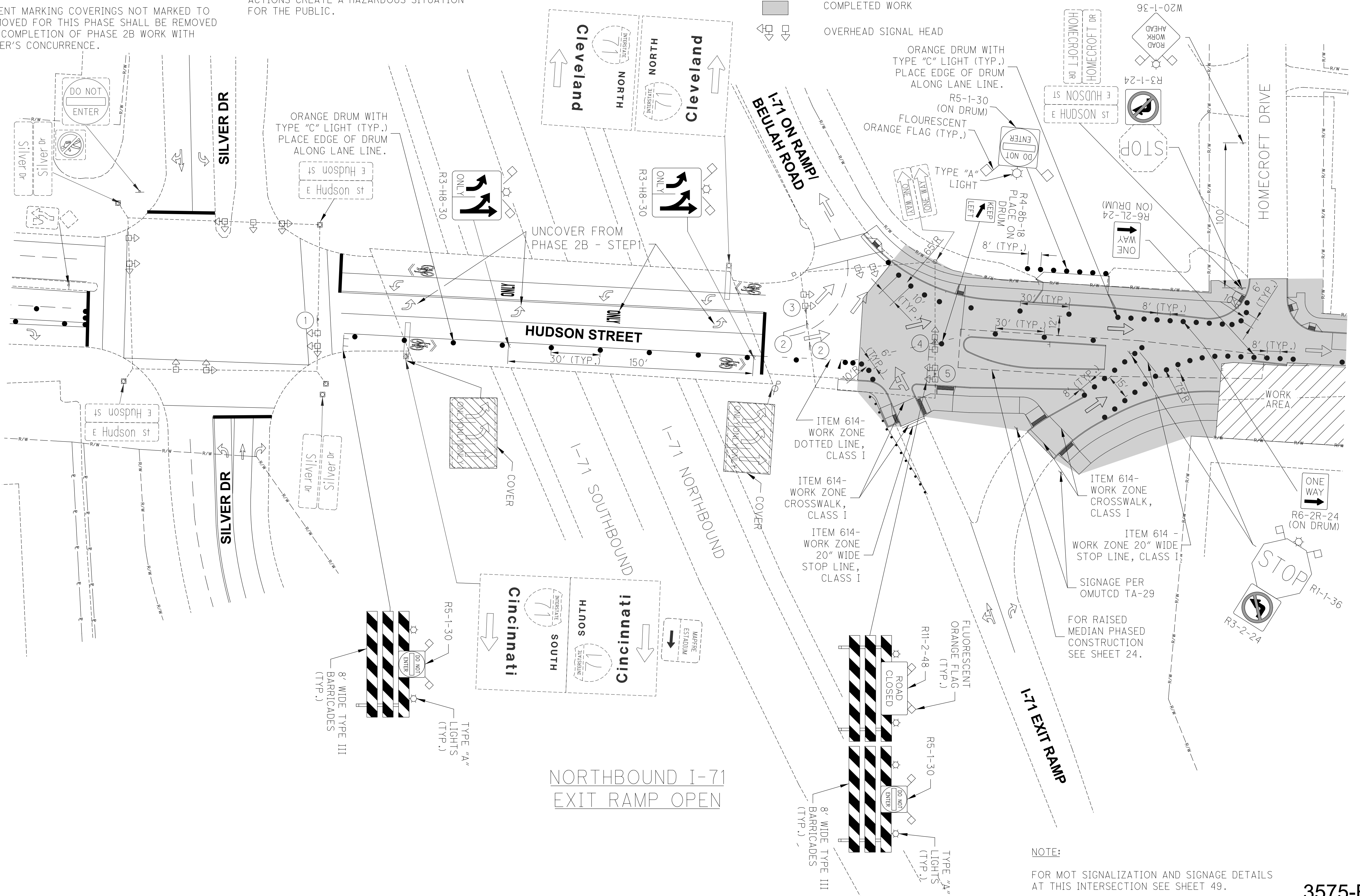
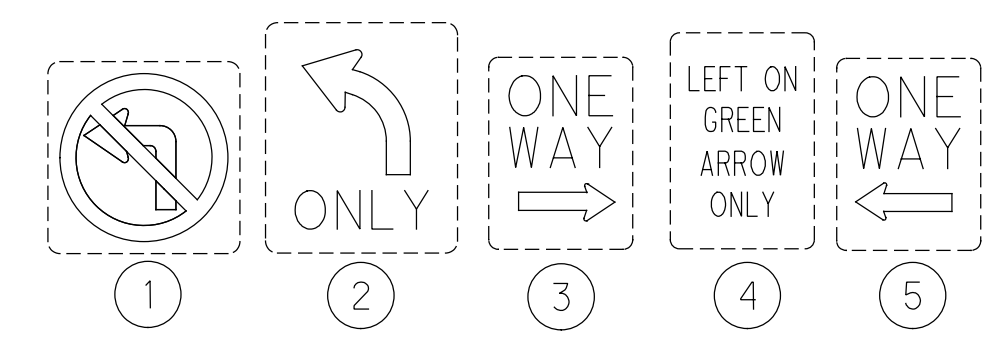
- ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
- RAISED MEDIAN TO BE CONSTRUCTED IN PHASES TO PROVIDE FOR EXIT RAMP TRAFFIC. (SEE DETAIL SHEET 24)
- PAVEMENT MARKING COVERINGS NOT MARKED TO BE REMOVED FOR THIS PHASE SHALL BE REMOVED AFTER COMPLETION OF PHASE 2B WORK WITH ENGINEER'S CONCURRENCE.

- EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

MAINTENANCE OF TRAFFIC LEGEND

- ORANGE DRUM WITH TYPE "C" LIGHT
- ⊙ TYPE "A" FLASHING LIGHT
- ◇ FLUORESCENT ORANGE FLAG
- TT BARRICADE
- ▭ CONCRETE BARRIER
- ▨ WORK AREA
- ← DIRECTION OF TRAVEL
- SIGN
- COMPLETED WORK
- ⇄ OVERHEAD SIGNAL HEAD

EXISTING OVERHEAD SIGNS



NOTE:  
FOR MOT SIGNALIZATION AND SIGNAGE DETAILS AT THIS INTERSECTION SEE SHEET 49.

3575-E

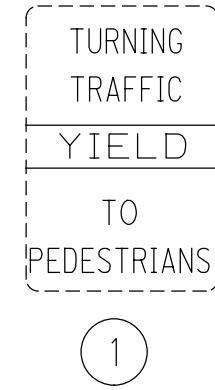
0 30 60  
SCALE IN FEET

CALCULATED  
MES  
CHECKED  
REL

MAINTENANCE OF TRAFFIC  
PHASE 2B - STEP 3

HUDSON ST

EXISTING OVERHEAD SIGNS

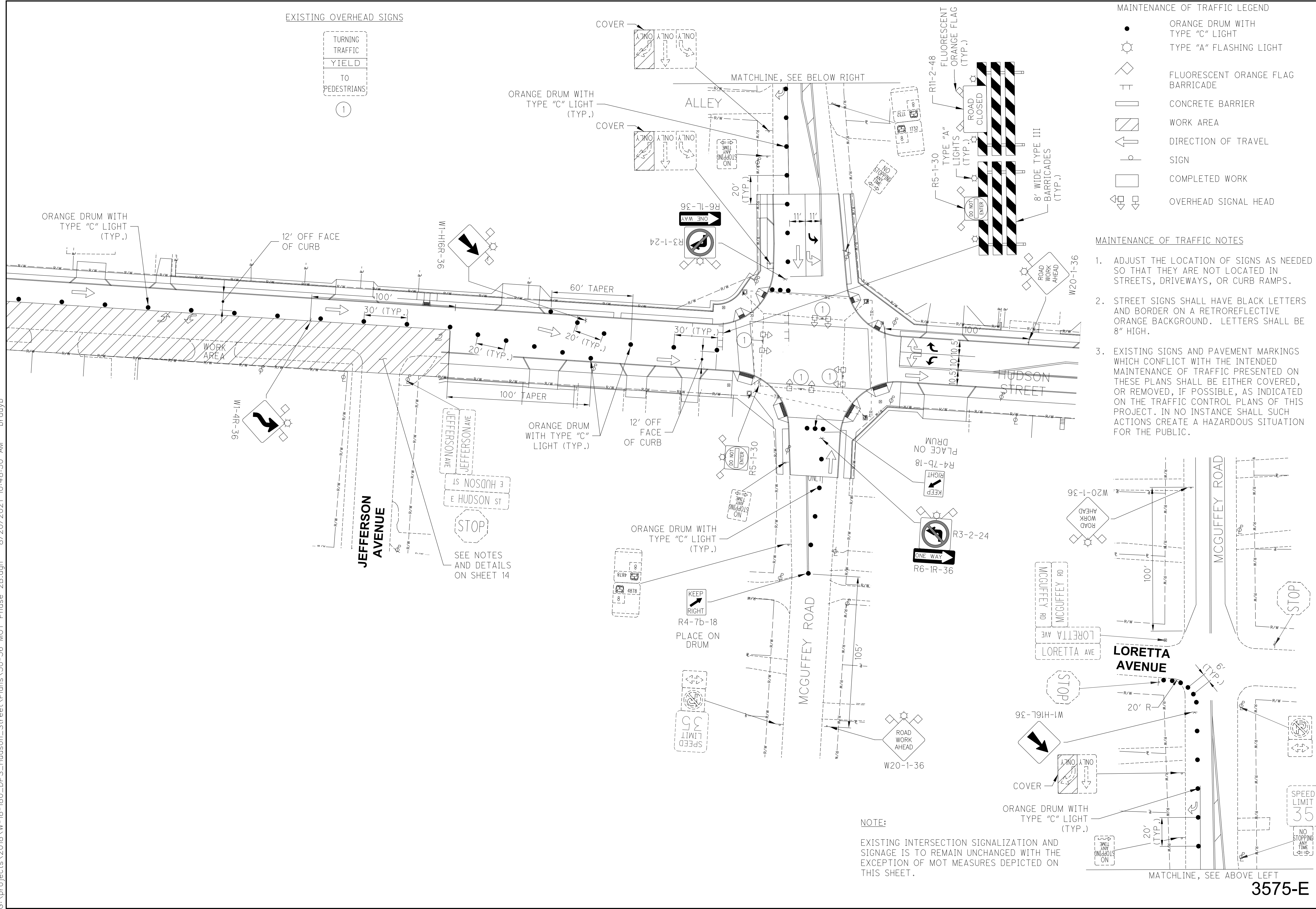


MAINTENANCE OF TRAFFIC LEGEND

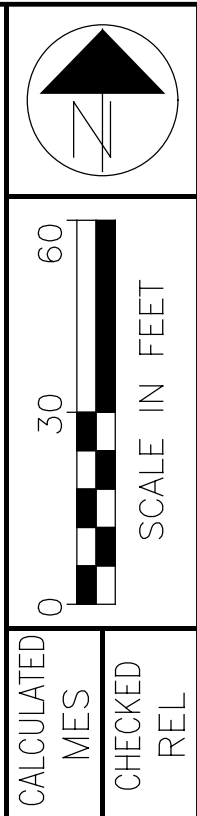
	ORANGE DRUM WITH TYPE "C" LIGHT
	TYPE "A" FLASHING LIGHT
	FLUORESCENT ORANGE FLAG BARRICADE
	CONCRETE BARRIER
	WORK AREA
	DIRECTION OF TRAVEL
	SIGN
	COMPLETED WORK
	OVERHEAD SIGNAL HEAD

MAINTENANCE OF TRAFFIC NOTES

1. ADJUST THE LOCATION OF SIGNS AS NEEDED SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
2. STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
3. EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

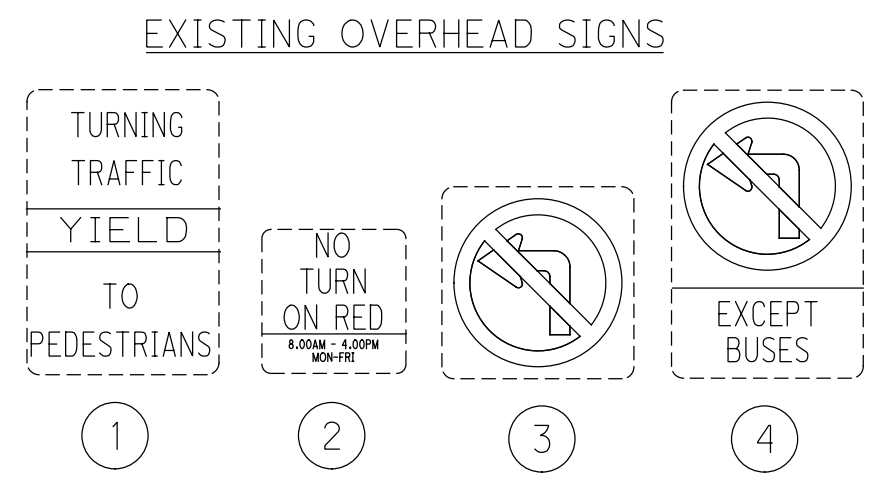
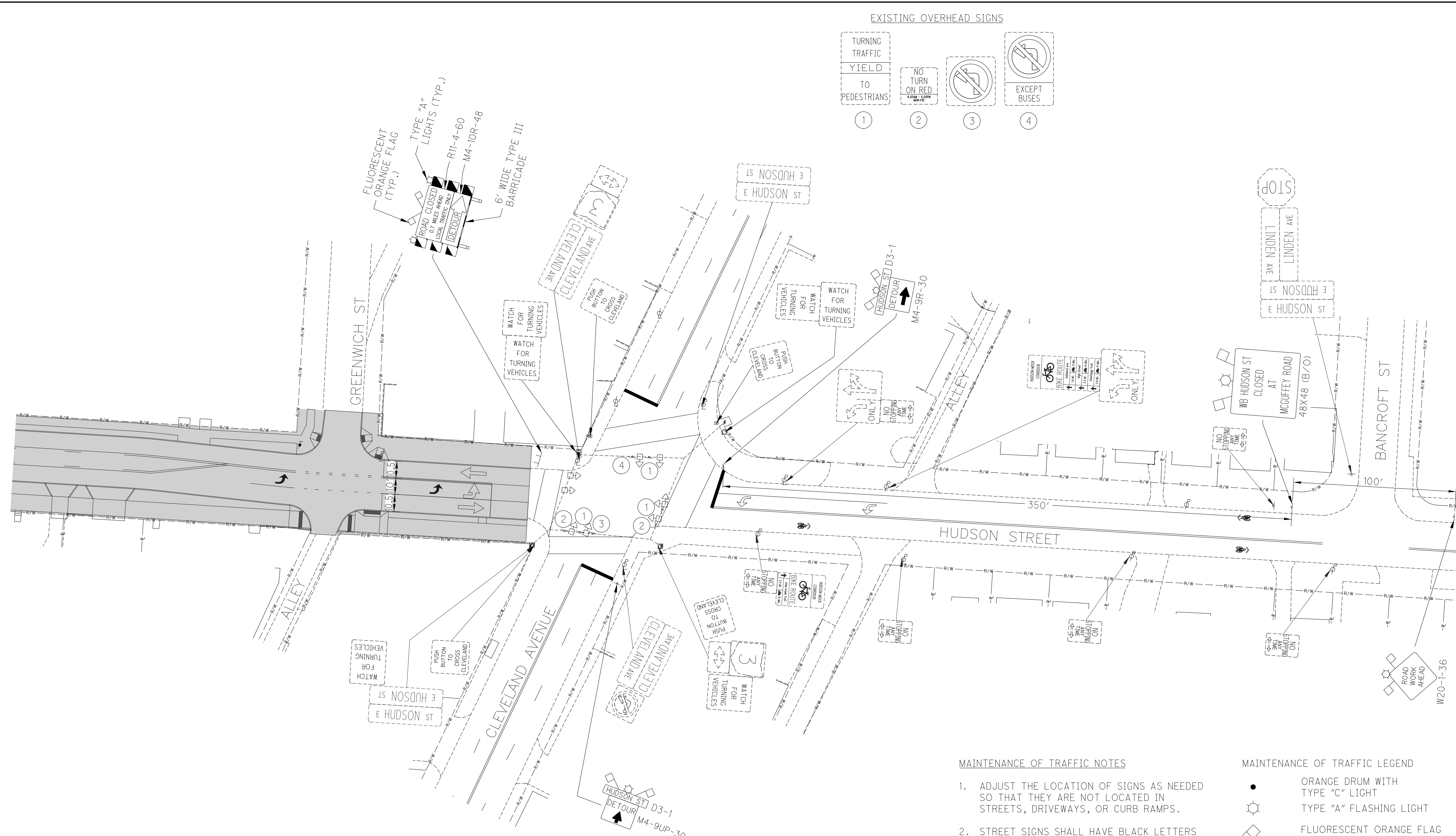


NOTE:  
EXISTING INTERSECTION SIGNALIZATION AND SIGNAGE IS TO REMAIN UNCHANGED WITH THE EXCEPTION OF MOT MEASURES DEPICTED ON THIS SHEET.



MAINTENANCE OF TRAFFIC PHASE 2B

HUDSON ST



MAINTENANCE OF TRAFFIC  
PHASE 2B

HUDSON ST

MAINTENANCE OF TRAFFIC NOTES

- ADJUST THE LOCATION OF SIGNS SO THAT THEY ARE NOT LOCATED IN STREETS, DRIVEWAYS, OR CURB RAMPS.
- STREET SIGNS SHALL HAVE BLACK LETTERS AND BORDER ON A RETROREFLECTIVE ORANGE BACKGROUND. LETTERS SHALL BE 8" HIGH.
- EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE INTENDED MAINTENANCE OF TRAFFIC PRESENTED ON THESE PLANS SHALL BE EITHER COVERED, OR REMOVED, IF POSSIBLE, AS INDICATED ON THE TRAFFIC CONTROL PLANS OF THIS PROJECT. IN NO INSTANCE SHALL SUCH ACTIONS CREATE A HAZARDOUS SITUATION FOR THE PUBLIC.

MAINTENANCE OF TRAFFIC LEGEND

- ORANGE DRUM WITH TYPE "C" LIGHT
- TYPE "A" FLASHING LIGHT
- FLUORESCENT ORANGE FLAG
- BARRICADE
- CONCRETE BARRIER
- WORK AREA
- DIRECTION OF TRAVEL
- SIGN
- COMPLETED WORK
- OVERHEAD SIGNAL HEAD

NOTE:  
EXISTING INTERSECTION SIGNALIZATION AND SIGNAGE IS TO REMAIN UNCHANGED WITH THE EXCEPTION OF MOT MEASURES DEPICTED ON THIS SHEET.

G:\projects\2018\W-18-180\_DPS\_Hudson\_Street\Plans\37\_MOT\_Subsummary.dgn 8/20/2021 10:48:31 AM bradyb

SHEET NO.	STATION TO STATION		SIDE	614	614	614	614	614	614	614
				WORK ZONE CENTER LINE, CLASS I MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 8" FT	WORK ZONE DOTTED LINE, CLASS I FT	WORK ZONE STOP LINE, CLASS I FT	WORK ZONE CROSSWALK LINE, CLASS I FT	WORK ZONE ARROW, CLASS I EACH	WORK ZONE PAVEMENT MARKINGS (SHARROW), CLASS I EACH
<b>MCGUFFEY ROAD</b>										
27	9+45.92		RT				11			
27	9+54.82	TO 9+77.52	LT/RT					109		
21	10+19.14	TO 10+40.65	LT/RT					138		
21	10+53.18		LT/RT			22				
21	10+53.18	TO 11+10.03	RT	0.02	57				1	
<b>HUDSON STREET</b>										
31	9+80.00		RT							1
31	12+25.00		RT							1
33	18+66.00	TO 19+99.50	RT			126				
21	47+90.00		RT							1
21	49+85.00		LT							1
21	51+25.00		LT							1
27	52+63.00		RT				11			
27	52+77.08	TO 52+87.30	LT/RT					73		
27	53+68.85	TO 53+80.80	LT/RT					75		
27	53+90.00		LT/RT				22			
27	53+90.00	TO 54+42.00	LT		52				2	
27-28	53+90.00	TO 59+63.62	RT	0.11						
27-28	54+55.00	TO 59+63.62	LT/RT	0.10						
28	59+63.62		LT/RT			22				
28	59+72.17	TO 59+84.19	LT/RT					65		
28	60+33.12	TO 60+43.12	LT/RT					65		
28	60+52.00		LT/RT			22				
28	60+52.00	TO 61+12.00	LT		60				2	
28	60+52.00	TO 76+23.00	LT/RT	0.30						
28	61+25.00	TO 77+93.00	LT/RT	0.32						
28	76+38.00	TO 77+93.00	RT		155				3	
28	77+93.00		LT/RT			22				
28	78+26.31	TO 78+38.55	LT/RT					71		
28	78+80.24	TO 78+92.45	LT/RT					71		
28	79+23.00		LT/RT			22				
28	79+23.00	TO 80+68.00	LT		145				3	
28-29	79+23.00	TO 90+26.79	LT/RT	0.21						
28-29	80+83.00	TO 90+66.68	LT/RT	0.19						
29	90+41.79	TO 90+66.68	RT		25				1	
29	90+66.68	TO 91+23.60	RT			57				
29	90+66.68	TO 91+23.60	LT			57				
29	91+23.60	TO 91+90.00	LT	0.02						
29	91+23.60	TO 91+90.00	RT		67				1	
29	91+90.00		LT/RT			21				
<b>HAMILTON AVENUE</b>										
28	9+50.00	TO 9+60.19	RT	0.01						
28	9+60.19		RT			10				
28	9+65.22	TO 9+79.22	LT/RT					73		
<b>SUBTOTALS</b>				1.28	561	240	185	740	13	5

SHEET NO.	STATION TO STATION		SIDE	614	614	614	614	614	614	614
				WORK ZONE CENTER LINE, CLASS I MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 8" FT	WORK ZONE DOTTED LINE, CLASS I FT	WORK ZONE STOP LINE, CLASS I FT	WORK ZONE CROSSWALK LINE, CLASS I FT	WORK ZONE ARROW, CLASS I EACH	WORK ZONE PAVEMENT MARKINGS (SHARROW), CLASS I EACH
<b>DRESDEN STREET</b>										
28	9+60.10	TO 9+74.10	LT/RT						61	
28	10+21.10	TO 10+31.10	LT/RT						52	
28	10+32.84		LT					12		
28	10+32.84	TO 10+51.00	CL	0.01						
<b>I-71EXIT RAMP*</b>										
33	19+47.76	TO 19+67.16	RT						30	
33	19+57.40	TO 19+70.93	RT					16		
33	20+32.26	TO 20+58.57	RT						43	
33	21+96.14	TO 21+06.43	RT					30		
<b>SUBTOTALS</b>				0.01			58	186		
<b>SUBTOTALS (FROM LEFT COLUMNS)</b>				1.28	561	240	185	740	13	5
<b>TOTALS CARRY TO GENERAL SUMMARY</b>				1.29	561	240	243	926	13	5

\* HUDSON STREET STATIONING

3575-E

MAINTENANCE OF TRAFFIC SUBSUMMARY	CALCULATED
	MES
CHECKED	
REL	
HUDSON ST	
37	
535	

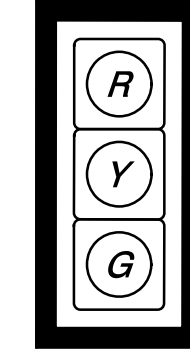
**LEGEND**

- SIGNAL HEADS: EX. VEHICULAR
- EX. PEDESTRIAN
- SIGNAL POLES: EX. ANCHOR/STRAIN POLE
- PR. TEMPORARY WOOD POLE
- EX. PEDESTAL
- PUSHBUTTON
- EX. MESSENGER WIRE & TETHER
- PR. MESSENGER WIRE & TETHER
- CONTROLLERS & CABINETS: EX. POLE MTD. CABINET
- PR. POLE MTD. CABINET
- SIGNS: EX. OVERHEAD
- PR. OVERHEAD
- DETECTION: EX. POLICE CAMERA
- TEMP. VIDEO CAMERA

**SIGNAL TIMING CHART**

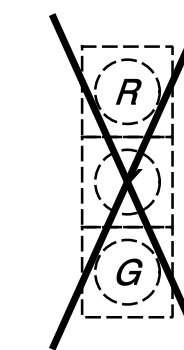
PHASE	1	2	3	4	5	6	7	8
MOVEMENT				SB		EB		NB
MIN INITIAL				10		17		10
WALK				7		7		7
PED CHG				7		10		7
PASS/ EXT				3.0		1.0		3.0
YELLOW				3.6		3.6		3.6
RED CLR				1.4		1.2		1.4
MAX GRN 1				25		40		25
MAX GRN 2				99		60		99
PED RECALL				OFF		ON		OFF
VEH RECALL				OFF		MIN		OFF
MEMORY				OFF		ON		OFF

TEMPORARY VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (12" HEADS W/ BACKPLATES AND TETHERED) PER CMSC 732



HEADS 9, 10, 11, 12, 13, 14

EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (TO REMOVE)



HEADS 1, 2, 3, 4, 5, 6, 7, 8



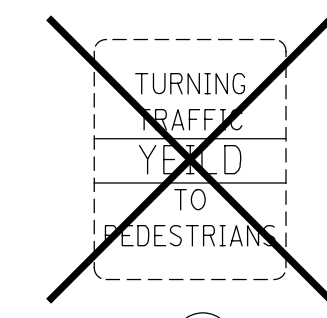
R6-2L-36

(A)



R6-2R-36

(B)



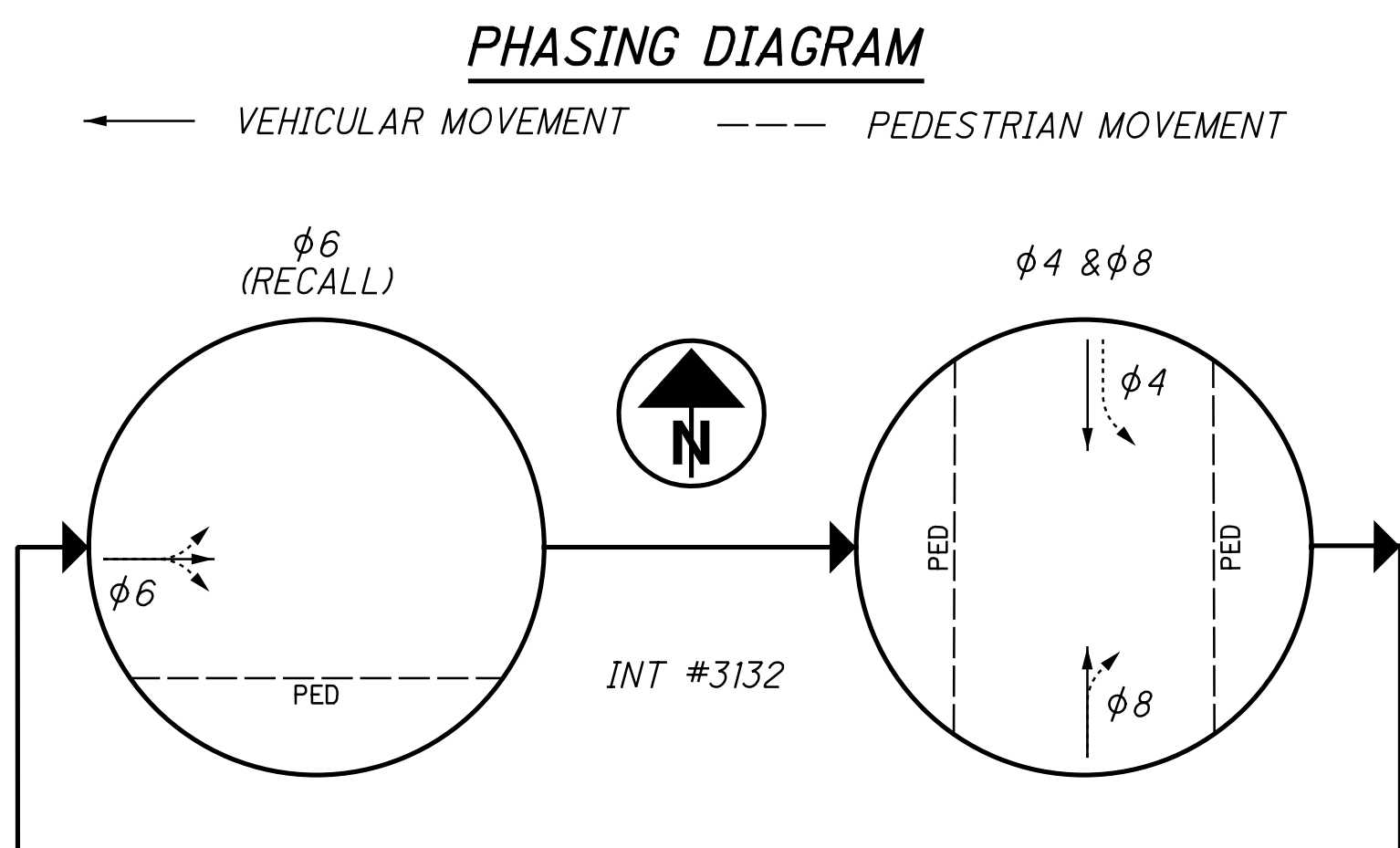
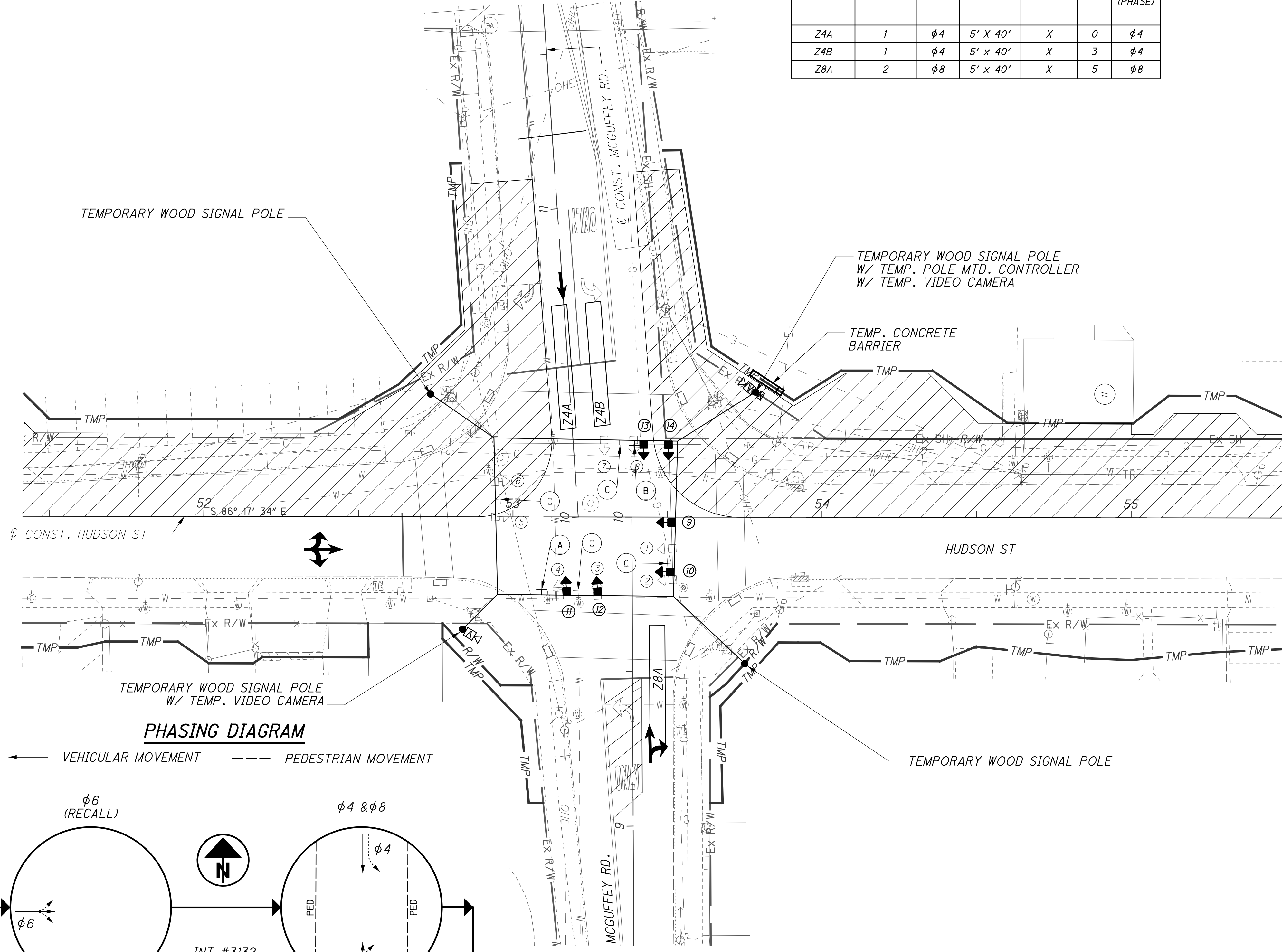
(C)

**DETECTION CHART**

TEMP DETECTION ZONE (#)	CAMERA (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	DELAY DATA	
					DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z4A	1	φ4	5' X 40'	X	0	φ4
Z4B	1	φ4	5' X 40'	X	3	φ4
Z8A	2	φ8	5' X 40'	X	5	φ8

**NOTES:**

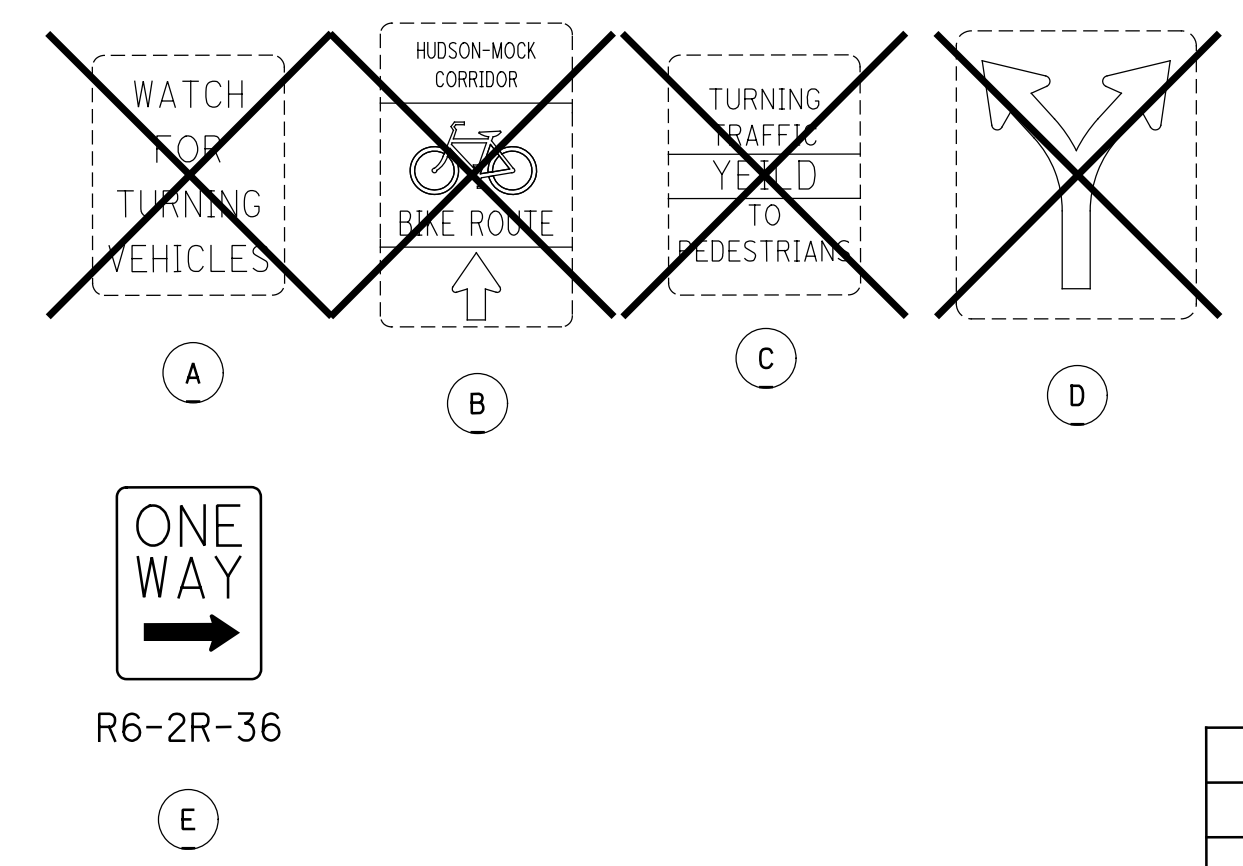
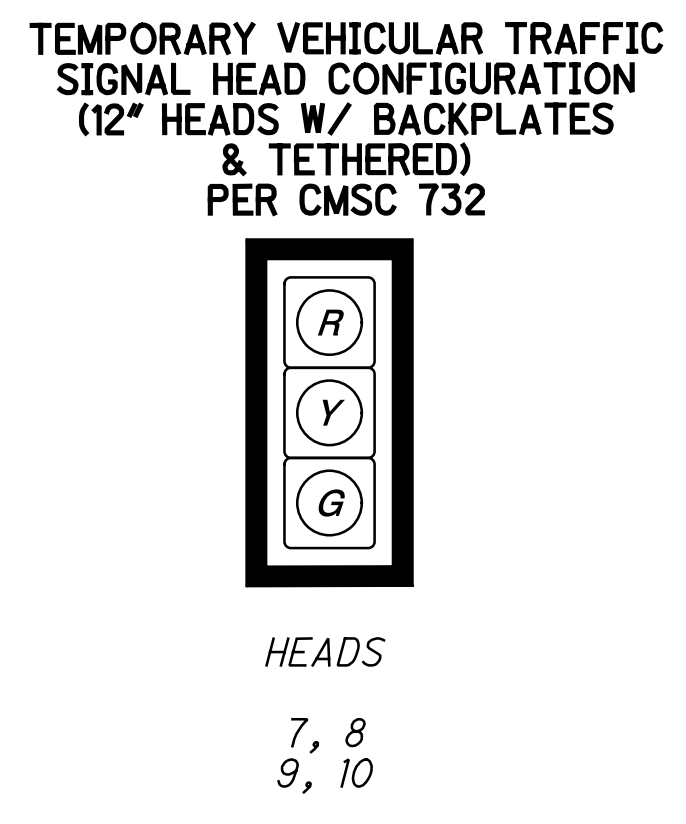
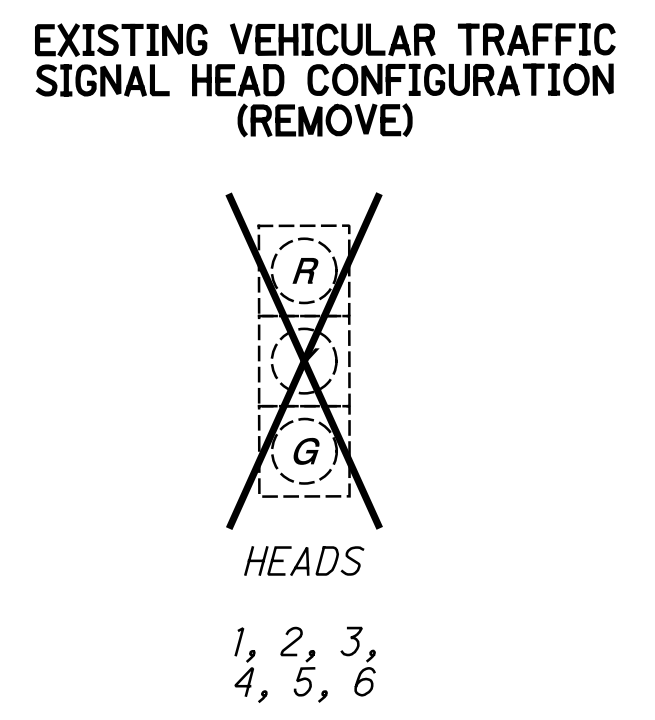
- AN EXISTING TRAFFIC SIGNAL, OR ANY PART THEREOF, SHALL NOT BE TAKEN OUT OF SERVICE UNLESS ALTERNATE MEANS OF TRAFFIC CONTROL ARE IN PLACE AND OPERATIONAL. UNLESS DIRECTED BY THE CITY OF COLUMBUS, CITY ENGINEER OR APPOINTED DESIGNEE EXISTING TRAFFIC SIGNALS SHALL NOT BE TAKEN OUT OF SERVICE BETWEEN THE HOURS OF:
  - 7:00 AM TO 9:00 AM MONDAY THROUGH FRIDAY AND
  - 4:00 PM TO 6:00 PM, MONDAY THROUGH FRIDAY (3:30 PM 6:00 PM FOR THE DOWNTOWN BUSINESS DISTRICT)
  - OR ONE HOUR BEFORE SUNSET THROUGH ONE-HALF HOUR AFTER SUN RISE, WHICHEVER IS THE LONGEST DURATION.
- ANY UNUSED SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSHBUTTON, OR POLE OR SPAN/ARM MOUNTED SIGN SHALL BE COVERED AND DISCONNECTED. VEHICULAR SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS SHALL BE COVERED PER THE REQUIREMENTS OF CMSC 632.25.
- VEHICULAR SIGNAL HEADS SHALL BE ALIGNED PER THE PLAN. NO TWO VEHICULAR SIGNAL HEADS SHALL BE LOCATED WITHIN EIGHT FEET OF ONE ANOTHER, MEASURED PERPENDICULAR TO THE TRAVEL LANE.
- SIGNS SHALL BE ALIGNED PER THE PLANS. EXISTING SIGNS IN CONFLICT WITH THE PROPOSED TEMPORARY TRAFFIC CONTROL SETUP SHALL BE COVERED OR TEMPORARILY REMOVED.
- WEATHERPROOF SPLICES MAY BE INTRODUCED INTO SIGNAL CABLE IN ORDER TO RELOCATE EXISTING VEHICULAR SIGNAL HEADS. NO SPLICES SHALL REMAIN IN THE CABLE WHEN THE SIGNAL HEADS ARE RETURNED TO THEIR ORIGINAL POSITION.
- ALL EXISTING VEHICULAR DETECTION SHALL BE MAINTAINED AT ALL TIMES. LOOPS THAT CANNOT BE USED AS A RESULT OF LANE SHIFTS, LANE CLOSURES, ETC. SHALL BE DEACTIVATED DURING CONSTRUCTION. TEMPORARY RADAR OR VIDEO DETECTION SHALL BE USED TO MAINTAIN DETECTION WHEN AN EXISTING LOOP CANNOT BE USED. IF THE EXISTING DETECTION IS RADAR OR VIDEO, THE ZONES ON THE EXISTING RADAR OR VIDEO UNIT SHALL BE RELOCATED TO THE NEW LANE ALIGNMENT. WHEN TEMPORARY RADAR DETECTION IS USED, DILEMMA ZONE DETECTION SHALL BE PROVIDED FOR APPROACHES WITH SPEEDS GREATER THAN 40 MPH.
- EXISTING PEDESTRIAN PUSHBUTTONS, PUSHBUTTON SIGNS, AND SIGNAL HEADS SHALL BE MAINTAINED FOR ALL CROSSWALKS THAT REMAIN OPEN DURING CONSTRUCTION. TEMPORARY PUSHBUTTONS AND SIGNS OR RELOCATED PUSHBUTTONS AND SIGNS SHALL BE POSITIONED ACCORDING TO THE CITY OF COLUMBUS ADA RULES AND REGULATIONS. RELOCATED PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED SUCH THAT THE HEAD IS AIMED AT THE CENTER OF THE CROSSWALK AREA (NOT THE CURB RAMP) THAT IS OPPOSITE THE UNIT. A MINIMUM OF ONE CROSSWALK TO CROSS EACH STREET AT A SIGNALIZED INTERSECTION SHALL BE MAINTAINED AT ALL TIMES. FOR SIGNALIZED INTERSECTIONS WITH THREE LEGS, THE CROSSWALK TO CROSS THE DEAD END STREET MAY BE CLOSED AS LONG AS A PEDESTRIAN PATH IS PROVIDED ALONG THE "TOP SIDE" OF THE INTERSECTION.
- UNLESS NOTED IN THE PLANS, THE TRAFFIC SIGNAL SHALL UTILIZE THE EXISTING TIMING AND PHASING.
- IF ANY CHANGES ARE MADE TO THE SIGNAL OPERATION INCLUDING PHASING CHANGES, PHASE OMISSIONS, TIMING CHANGES, ETC., SIGNAL OPERATION CHANGED SIGNS (W23-H2B) SHALL BE INSTALLED ON THE SPAN OR ARM FOR ALL DIRECTIONS. CENTER THE SIGN OVER THE APPROACH. SIGN SHALL BE LEFT IN PLACE NO LONGER THAN THE DURATION SPECIFIED UNDER ITEM 630 SIGNING, MISC.: TRAFFIC SIGNAL SIGNS.
- TEMPORARY WOOD SIGNAL POLES SHALL BE SIZED AND THE TEMPORARY SIGNAL SPAN SHALL BE ADJUSTED SUCH THAT THE MINIMUM ROADWAY CLEARANCE TO THE BOTTOM OF THE LOWEST SIGNAL HEAD IS 16.5' MINIMUM AND THE HIGHEST SIGNAL HEAD IS 19' MAXIMUM.
- WHEN TEMPORARY TRAFFIC SIGNAL CABINETS ARE USED, BASE MOUNTED CABINETS SHALL BE MOUNTED ON A STURDY FOUNDATION SECURE FROM ANIMALS AND WEATHER. POLE MOUNTED CABINETS SHALL BE POSITIONED TO PREVENT AN OVERHANG GREATER THAN 4 IN. INTO A PEDESTRIAN PATHWAY.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, COORDINATION, AND PAYING FOR POWER SERVICE AS NEEDED FOR THE MAINTENANCE OF TRAFFIC PHASES.
- SIGNAL SHALL REMAIN CONNECTED TO THE CTSS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL INSTALL A TEMPORARY DROP CABLE OR RELOCATE THE EXISTING DROP CABLE TO THE TEMPORARY CABINET.
- SEE PERMANENT SIGNAL PLANS FOR REMOVAL OF EXISTING SIGNAL ITEMS.



CALCULATED BY: JSW  
 CHECKED BY: EMS  
**TEMPORARY TRAFFIC SIGNAL PLAN - PHASE 1A**  
**HUDSON ST AT MCGUFFEY RD**  
**HUDSON ST**  
 38  
 535

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- LEGEND**
- SIGNAL HEADS:** EX. VEHICULAR TEMPORARY EX. VEHICULAR EX. PEDESTRIAN
- SIGNAL POLES:** EX. ANCHOR/STRAIN POLE PR. TEMPORARY WOOD POLE EX. PEDESTAL PUSHBUTTON EX. MESSENGER WIRE & TETHER PR. MESSENGER WIRE & TETHER
- CONTROLLERS & CABINETS:** EX. POLE MTD. CABINET PR. POLE MTD. CABINET
- SIGNS:** EX. OVERHEAD PR. OVERHEAD
- DETECTION:** TEMP. VIDEO CAMERA



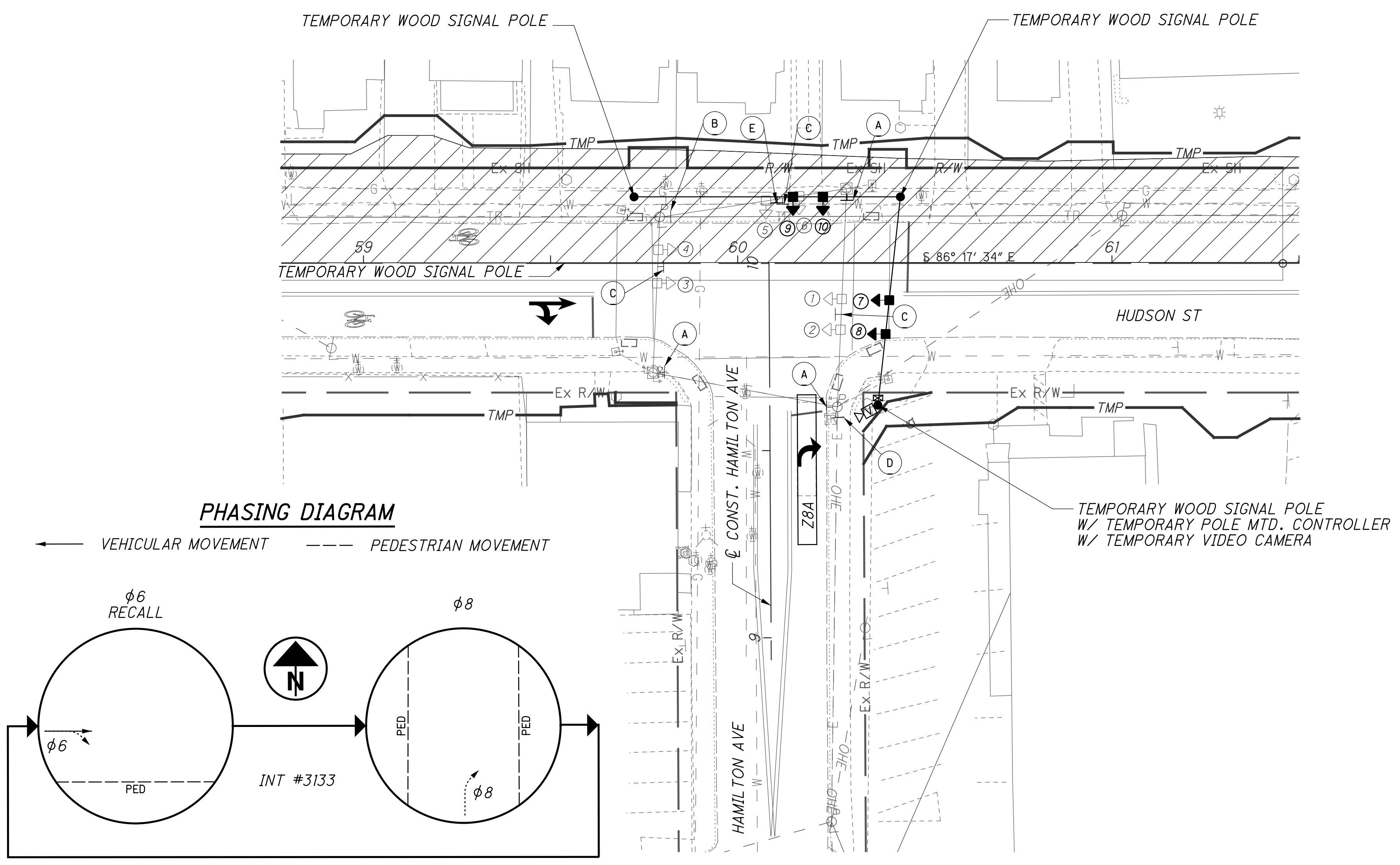
**DETECTION CHART**

TEMP DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	DELAY DATA	
					DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z8A	1	φ8	5'X40'	X	12	φ8

**SIGNAL TIMING CHART**

PHASE	1	2	3	4	5	6	7	8
MOVEMENT						EB		NB
MIN INITIAL						25		10
WALK						18		10
PED CHG						7		7
PASS/ EXT						1.0		3.7
YELLOW						3.6		3.6
RED CLR						1.2		1.0
MAX GRN 1						60		20
MAX GRN 2						60		99
PED RECALL						ON		OFF
VEH RECALL						MIN		OFF
MEMORY						ON		OFF

- NOTES:**
- AN EXISTING TRAFFIC SIGNAL, OR ANY PART THEREOF, SHALL NOT BE TAKEN OUT OF SERVICE UNLESS ALTERNATE MEANS OF TRAFFIC CONTROL ARE IN PLACE AND OPERATIONAL. UNLESS DIRECTED BY THE CITY OF COLUMBUS, CITY ENGINEER OR APPOINTED DESIGNEE EXISTING TRAFFIC SIGNALS SHALL NOT BE TAKEN OUT OF SERVICE BETWEEN THE HOURS OF:
    - 7:00 AM TO 9:00 AM MONDAY THROUGH FRIDAY AND
    - 4:00 PM TO 6:00 PM, MONDAY THROUGH FRIDAY (3:30 PM 6:00 PM FOR THE DOWNTOWN BUSINESS DISTRICT)
    - OR ONE HOUR BEFORE SUNSET THROUGH ONE-HALF HOUR AFTER SUN RISE, WHICHEVER IS THE LONGEST DURATION.
  - ANY UNUSED SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSHBUTTON, OR POLE OR SPAN/ARM MOUNTED SIGN SHALL BE COVERED AND DISCONNECTED. VEHICULAR SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS SHALL BE COVERED PER THE REQUIREMENTS OF CMSC 632.25.
  - VEHICULAR SIGNAL HEADS SHALL BE ALIGNED PER THE PLAN. NO TWO VEHICULAR SIGNAL HEADS SHALL BE LOCATED WITHIN EIGHT FEET OF ONE ANOTHER, MEASURED PERPENDICULAR TO THE TRAVEL LANE.
  - SIGNS SHALL BE ALIGNED PER THE PLANS. EXISTING SIGNS IN CONFLICT WITH THE PROPOSED TEMPORARY TRAFFIC CONTROL SETUP SHALL BE COVERED OR TEMPORARILY REMOVED.
  - WEATHERPROOF SPLICES MAY BE INTRODUCED INTO SIGNAL CABLE IN ORDER TO RELOCATE EXISTING VEHICULAR SIGNAL HEADS. NO SPLICES SHALL REMAIN IN THE CABLE WHEN THE SIGNAL HEADS ARE RETURNED TO THEIR ORIGINAL POSITION.
  - ALL EXISTING VEHICULAR DETECTION SHALL BE MAINTAINED AT ALL TIMES. LOOPS THAT CANNOT BE USED AS A RESULT OF LANE SHIFTS, LANE CLOSURES, ETC. SHALL BE DEACTIVATED DURING CONSTRUCTION. TEMPORARY RADAR OR VIDEO DETECTION SHALL BE USED TO MAINTAIN DETECTION WHEN AN EXISTING LOOP CANNOT BE USED. IF THE EXISTING DETECTION IS RADAR OR VIDEO, THE ZONES ON THE EXISTING RADAR OR VIDEO UNIT SHALL BE RELOCATED TO THE NEW LANE ALIGNMENT. WHEN TEMPORARY RADAR DETECTION IS USED, DILEMMA ZONE DETECTION SHALL BE PROVIDED FOR APPROACHES WITH SPEEDS GREATER THAN 40 MPH.
  - EXISTING PEDESTRIAN PUSHBUTTONS, PUSHBUTTON SIGNS, SIGNAL HEADS, AND AUDIBLE PEDESTRIAN SIGNAL (APS) EQUIPMENT SHALL BE MAINTAINED FOR ALL CROSSWALKS THAT REMAIN OPEN DURING CONSTRUCTION. TEMPORARY PUSHBUTTONS AND SIGNS OR RELOCATED PUSHBUTTONS AND SIGNS SHALL BE POSITIONED ACCORDING TO THE CITY OF COLUMBUS ADA RULES AND REGULATIONS. RELOCATED PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED SUCH THAT THE HEAD IS AIMED AT THE CENTER OF THE CROSSWALK AREA (NOT THE CURB RAMP) THAT IS OPPOSITE THE UNIT. A MINIMUM OF ONE CROSSWALK TO CROSS EACH STREET AT A SIGNALIZED INTERSECTION SHALL BE MAINTAINED AT ALL TIMES. FOR SIGNALIZED INTERSECTIONS WITH THREE LEGS, THE CROSSWALK TO CROSS THE DEAD END STREET MAY BE CLOSED AS LONG A PEDESTRIAN PATH IS PROVIDED ALONG THE "TOP SIDE" OF THE INTERSECTION.
  - UNLESS NOTED IN THE PLANS, THE TRAFFIC SIGNAL SHALL UTILIZE THE EXISTING TIMING AND PHASING.
  - IF ANY CHANGES ARE MADE TO THE SIGNAL OPERATION INCLUDING PHASING CHANGES, PHASE OMISSIONS, TIMING CHANGES, ETC., SIGNAL OPERATION CHANGED SIGNS (W23-H2B) SHALL BE INSTALLED ON THE SPAN OR ARM FOR ALL DIRECTIONS. CENTER THE SIGN OVER THE APPROACH. SIGN SHALL BE LEFT IN PLACE NO LONGER THAN THE DURATION SPECIFIED UNDER ITEM 630 SIGNING, MISC.: TRAFFIC SIGNAL SIGNS.
  - TEMPORARY WOOD SIGNAL POLES SHALL BE SIZED AND THE TEMPORARY SIGNAL SPAN SHALL BE ADJUSTED SUCH THAT THE MINIMUM ROADWAY CLEARANCE TO THE BOTTOM OF THE LOWEST SIGNAL HEAD IS 16.5' MINIMUM AND THE HIGHEST SIGNAL HEAD IS 19' MAXIMUM.
  - N/A
  - N/A
  - N/A
  - N/A



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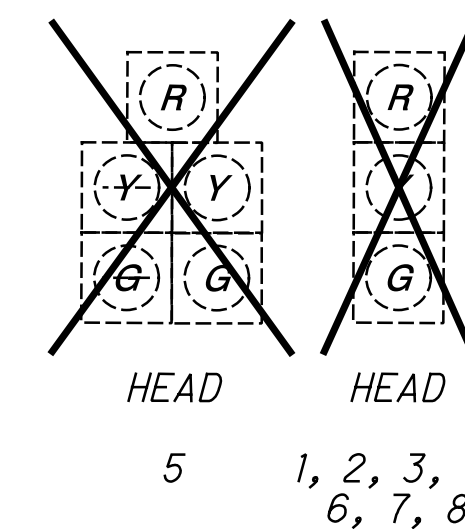
**LEGEND**

- SIGNAL HEADS:** EX. VEHICULAR □▷  
 TEMPORARY EX. VEHICULAR ■▷  
 EX. PEDESTRIAN ◁
- SIGNAL POLES:** EX. ANCHOR/STRAIN POLE □  
 PR. TEMPORARY WOOD POLE ●  
 EX. PEDESTAL □ PUSHBUTTON  
 EX. MESSENGER WIRE & TETHER ———  
 PR. MESSENGER WIRE & TETHER ———
- CONTROLLERS & CABINETS:** EX. POLE MTD. CABINET ☒  
 PR. POLE MTD. CABINET ☒
- SIGNS:** EX. OVERHEAD ⊥  
 PR. OVERHEAD ⊥
- DETECTION:** TEMP. VIDEO CAMERA ☒

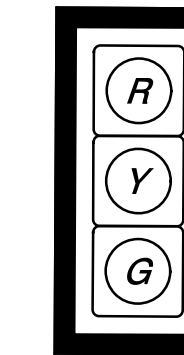
**SIGNAL TIMING CHART**

PHASE	1	2	3	4	5	6	7	8
MOVEMENT				SB		EB		NB
MIN INITIAL				10		20		10
WALK				7		7		7
PED CHG				8		7		8
PASS/ EXT				3.7		3.7		3.7
YELLOW				3.6		3.6		3.6
RED CLR				1.4		1.0		1.4
MAX GRN 1				25		45		25
MAX GRN 2				99		45		99
PED RECALL				OFF		ON		OFF
VEH RECALL				OFF		EXT		OFF
MEMORY				OFF		ON		OFF

**EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (REMOVE)**



**TEMPORARY VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (12" HEADS W/ BACKPLATES AND TETHER) PER CMSC 732**



HEADS  
9, 10, 11,  
12, 13, 14



R6-2L-36

(A)



R6-2R-36

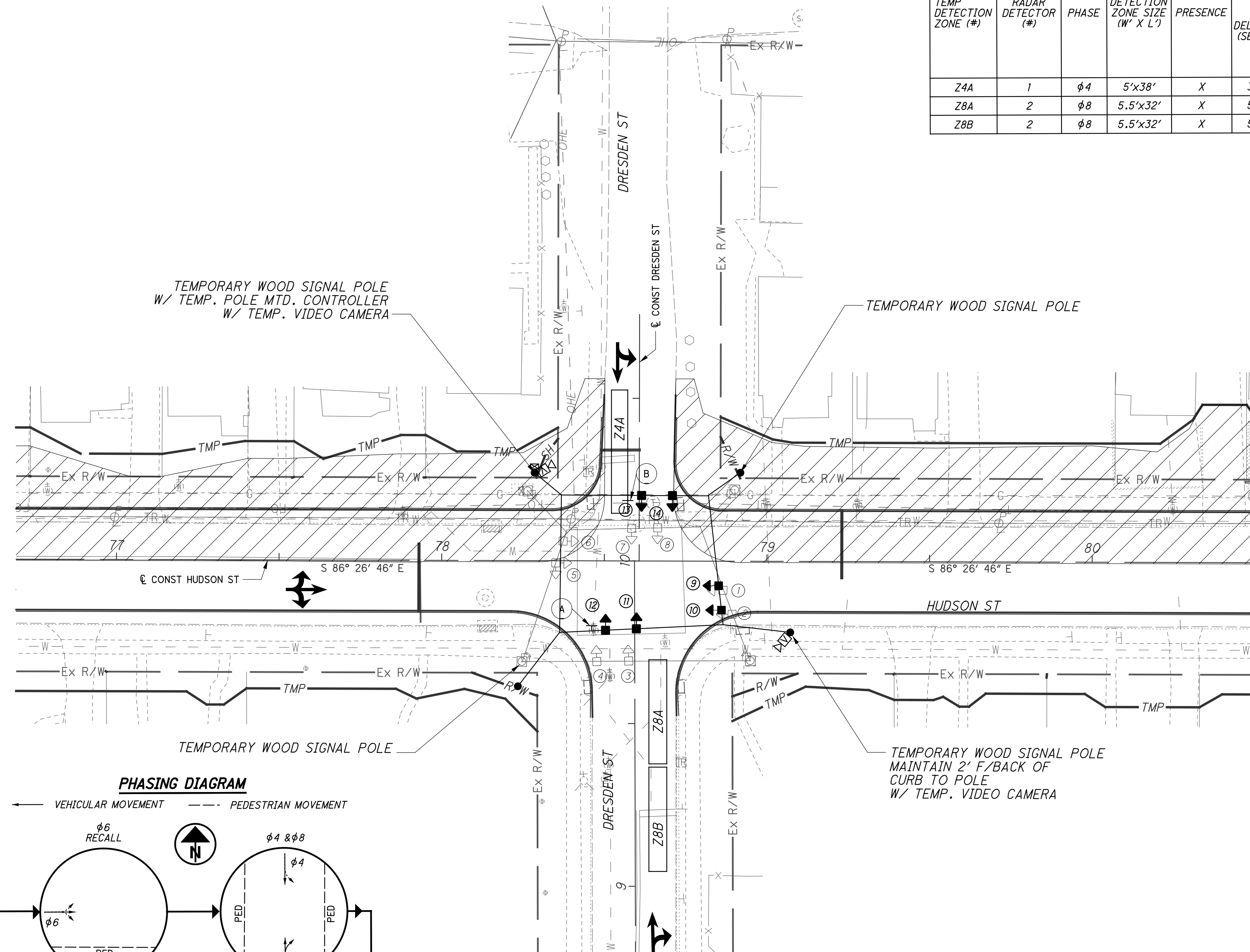
(B)

**DETECTION CHART**

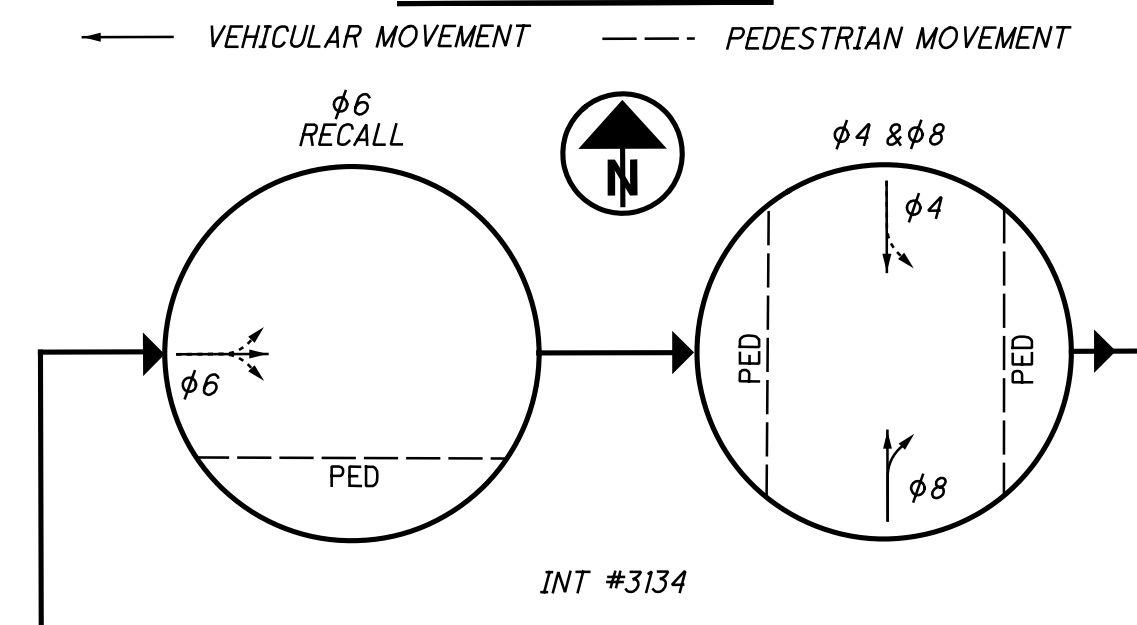
TEMP DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	DELAY DATA	
					DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z4A	1	φ4	5'x38'	X	3	φ4
Z8A	2	φ8	5.5'x32'	X	5	φ8
Z8B	2	φ8	5.5'x32'	X	5	φ8

**NOTES:**

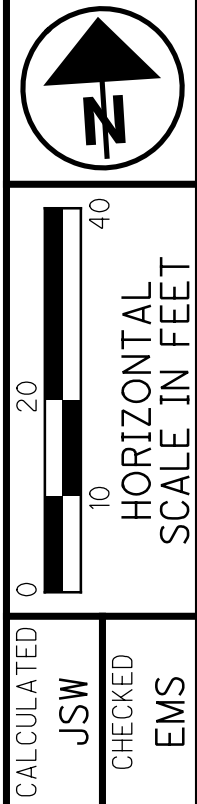
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 - 4:00 PM TO 6:00 PM, MONDAY THROUGH FRIDAY (3:30 PM 6:00 PM FOR THE DOWNTOWN BUSINESS DISTRICT)  
 - OR ONE HOUR BEFORE SUNSET THROUGH ONE-HALF HOUR AFTER SUN RISE, WHICHEVER IS THE LONGEST DURATION.
- ANY UNUSED SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSHBUTTON, OR POLE OR SPAN/ARM MOUNTED SIGN SHALL BE COVERED AND DISCONNECTED. VEHICULAR SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS SHALL BE COVERED PER THE REQUIREMENTS OF CMSC 632.25.
- VEHICULAR SIGNAL HEADS SHALL BE ALIGNED PER THE PLAN. NO TWO VEHICULAR SIGNAL HEADS SHALL BE LOCATED WITHIN EIGHT FEET OF ONE ANOTHER, MEASURED PERPENDICULAR TO THE TRAVEL LANE.
- SIGNS SHALL BE ALIGNED PER THE PLANS. EXISTING SIGNS IN CONFLICT WITH THE PROPOSED TEMPORARY TRAFFIC CONTROL SETUP SHALL BE COVERED OR TEMPORARILY REMOVED.
- WEATHERPROOF SPLICES MAY BE INTRODUCED INTO SIGNAL CABLE IN ORDER TO RELOCATE EXISTING VEHICULAR SIGNAL HEADS. NO SPLICES SHALL REMAIN IN THE CABLE WHEN THE SIGNAL HEADS ARE RETURNED TO THEIR ORIGINAL POSITION.
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- UNLESS NOTED IN THE PLANS, THE TRAFFIC SIGNAL SHALL UTILIZE THE EXISTING TIMING AND PHASING.
- IF ANY CHANGES ARE MADE TO THE SIGNAL OPERATION INCLUDING PHASING CHANGES, PHASE OMISSIONS, TIMING CHANGES, ETC., SIGNAL OPERATION CHANGED SIGNS (W23-H2B) SHALL BE INSTALLED ON THE SPAN OR ARM FOR ALL DIRECTIONS. CENTER THE SIGN OVER THE APPROACH. SIGN SHALL BE LEFT IN PLACE NO LONGER THAN THE DURATION SPECIFIED UNDER ITEM 630 SIGNING, MISC.: TRAFFIC SIGNAL SIGNS.
- TEMPORARY WOOD SIGNAL POLES SHALL BE SIZED AND THE TEMPORARY SIGNAL SPAN SHALL BE ADJUSTED SUCH THAT THE MINIMUM ROADWAY CLEARANCE TO THE BOTTOM OF THE LOWEST SIGNAL HEAD IS 16.5' MINIMUM AND THE HIGHEST SIGNAL HEAD IS 19' MAXIMUM.
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- SIGNAL SHALL REMAIN CONNECTED TO THE CTSS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL INSTALL A TEMPORARY DROP CABLE OR RELOCATE THE EXISTING DROP CABLE TO THE TEMPORARY CABINET.
- SEE PERMANENT SIGNAL PLANS FOR REMOVAL OF EXISTING SIGNAL ITEMS.



**PHASING DIAGRAM**



INT #3134



CALCULATED JSW CHECKED EMS  
**TEMPORARY TRAFFIC SIGNAL PLAN - PHASE 1A**  
**DRESDEN ST AT HUDSON ST**

**HUDSON ST**

40  
535

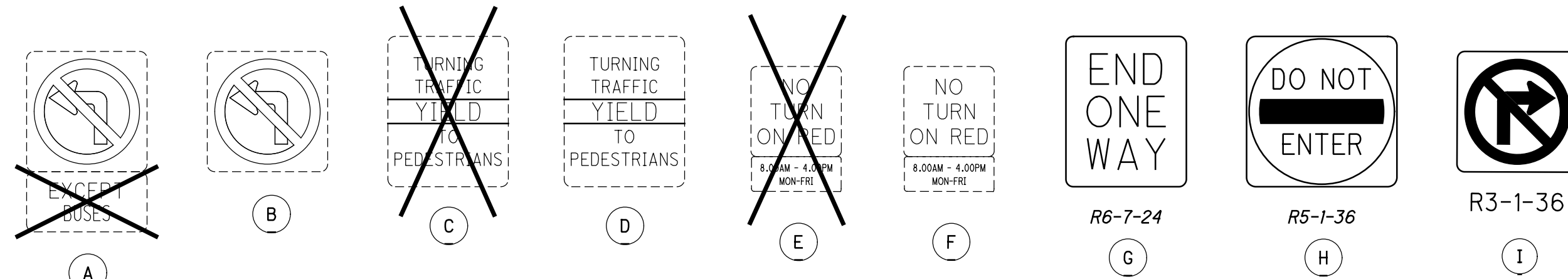
**3575-E**

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**LEGEND**

- SIGNAL HEADS:** EX. VEHICULAR □▷  
 TEMPORARY EX. VEHICULAR ■▷  
 EX. PEDESTRIAN ↓
- SIGNAL POLES:** EX. ANCHOR/STRAIN POLE □  
 PR. TEMPORARY WOOD POLE ●  
 EX. PEDESTAL □ PUSHBUTTON  
 EX. MESSENGER WIRE & TETHER \_\_\_\_\_  
 PR. MESSENGER WIRE & TETHER \_\_\_\_\_
- CONTROLLERS & CABINETS:** EX. POLE MTD. CABINET ☒  
 PR. POLE MTD. CABINET ☒
- SIGNS:** EX. OVERHEAD ⊥  
 PR. OVERHEAD ⊥
- DETECTION:** TEMP. VIDEO CAMERA ▣

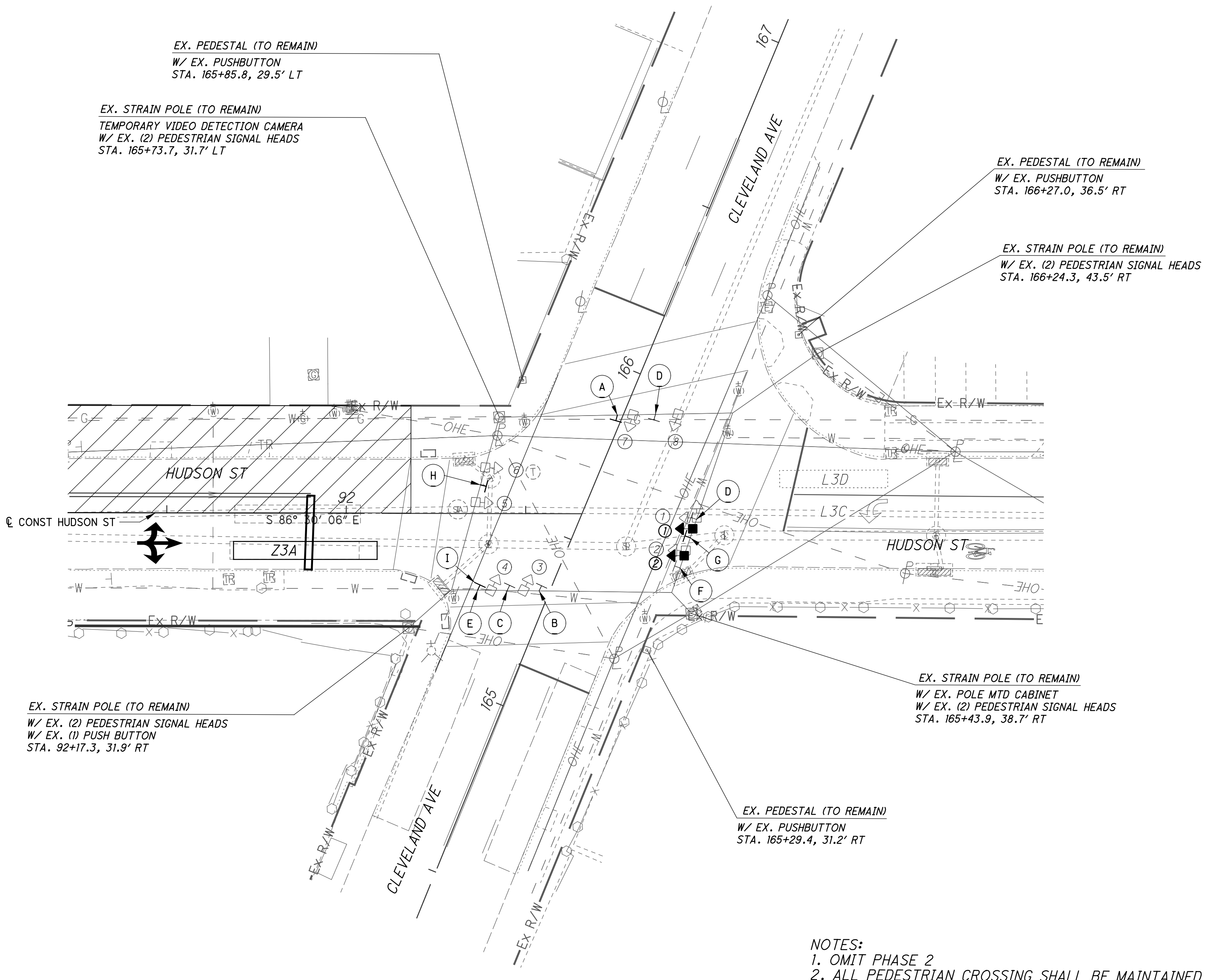


**EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (REMAIN)**  
 HEAD  
 3, 4, 5  
 6, 7, 8

**EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (RELOCATE/BAG)**  
 HEAD 1  
 HEAD 2

TEMP DETECTION ZONE (#)	VIDEO DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	PURPOSE	DELAY DATA	
						DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z3A	1	φ3	6' X 39'	X	Call/Extend	5	φ3

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  - N/A
  - N/A
  - N/A
  - N/A



- NOTES:**
- OMIT PHASE 2
  - ALL PEDESTRIAN CROSSING SHALL BE MAINTAINED

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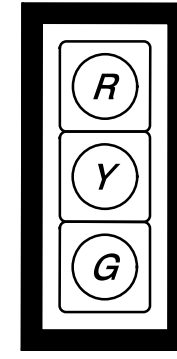
**LEGEND**

- SIGNAL HEADS:** EX. VEHICULAR □▷  
 TEMPORARY EX. VEHICULAR ■▷  
 EX. PEDESTRIAN ↓
- SIGNAL POLES:** EX. ANCHOR/STRAIN POLE □  
 PR. TEMPORARY WOOD POLE ●  
 EX. PEDESTAL □ PUSHBUTTON ⊥  
 EX. MESSENGER WIRE & TETHER ———  
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 PR. POLE MTD. CABINET ☒
- SIGNS:** EX. OVERHEAD ⊥  
 PR. OVERHEAD ⊥
- DETECTION:** TEMP. VIDEO CAMERA ◻

**SIGNAL TIMING CHART**

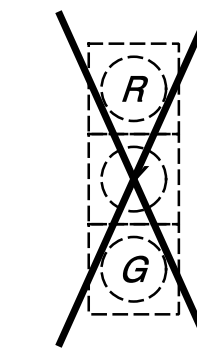
PHASE	1	2	3	4	5	6	7	8
MOVEMENT				SB		EB		NB
MIN INITIAL				10		17		10
WALK				7		7		7
PED CHG				7		10		7
PASS/ EXT				3.0		1.0		3.0
YELLOW				3.6		3.6		3.6
RED CLR				1.4		1.2		1.4
MAX GRN 1				25		40		25
MAX GRN 2				99		60		99
PED RECALL				OFF		ON		OFF
VEH RECALL				OFF		MIN		OFF
MEMORY				OFF		ON		OFF

TEMPORARY VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (12" HEADS W/ BACKPLATES AND TETHER) PER CMSC 732



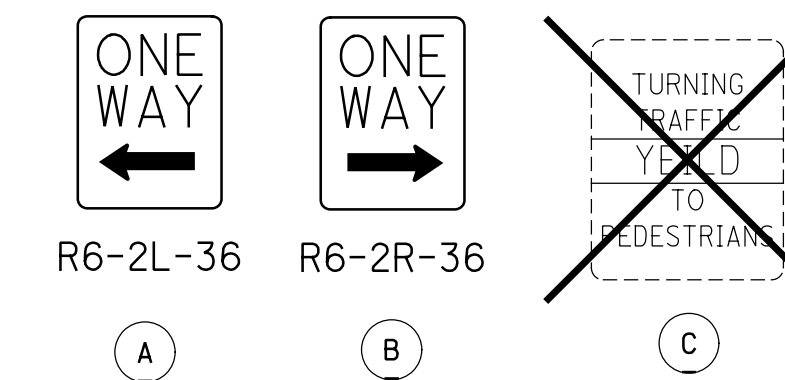
9, 10, 11, 12, 13, 14

EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (TO REMOVE)



HEADS

1, 2, 3, 4, 5, 6, 7, 8

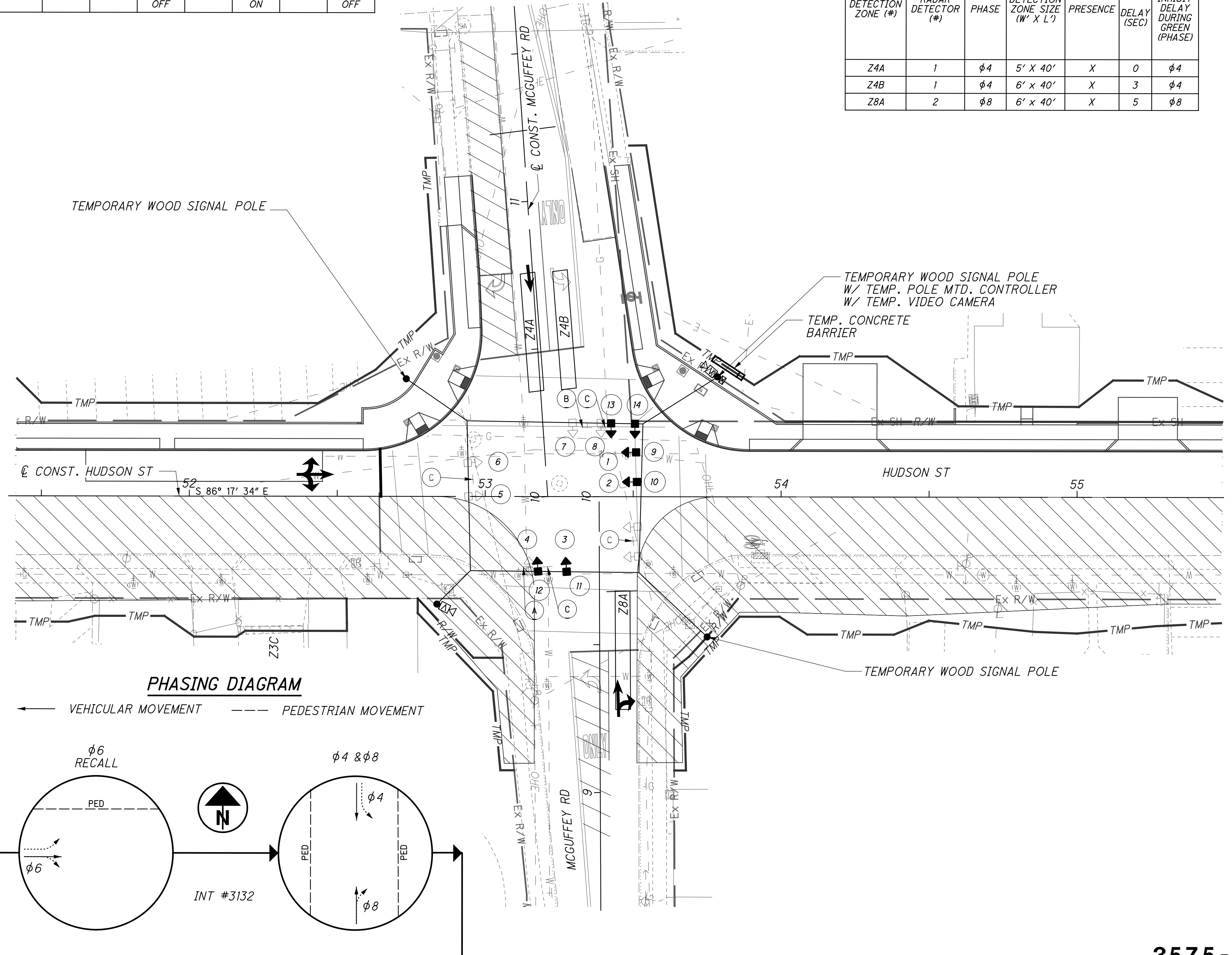


**DETECTION CHART**

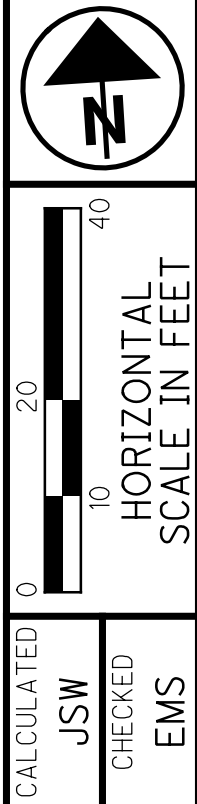
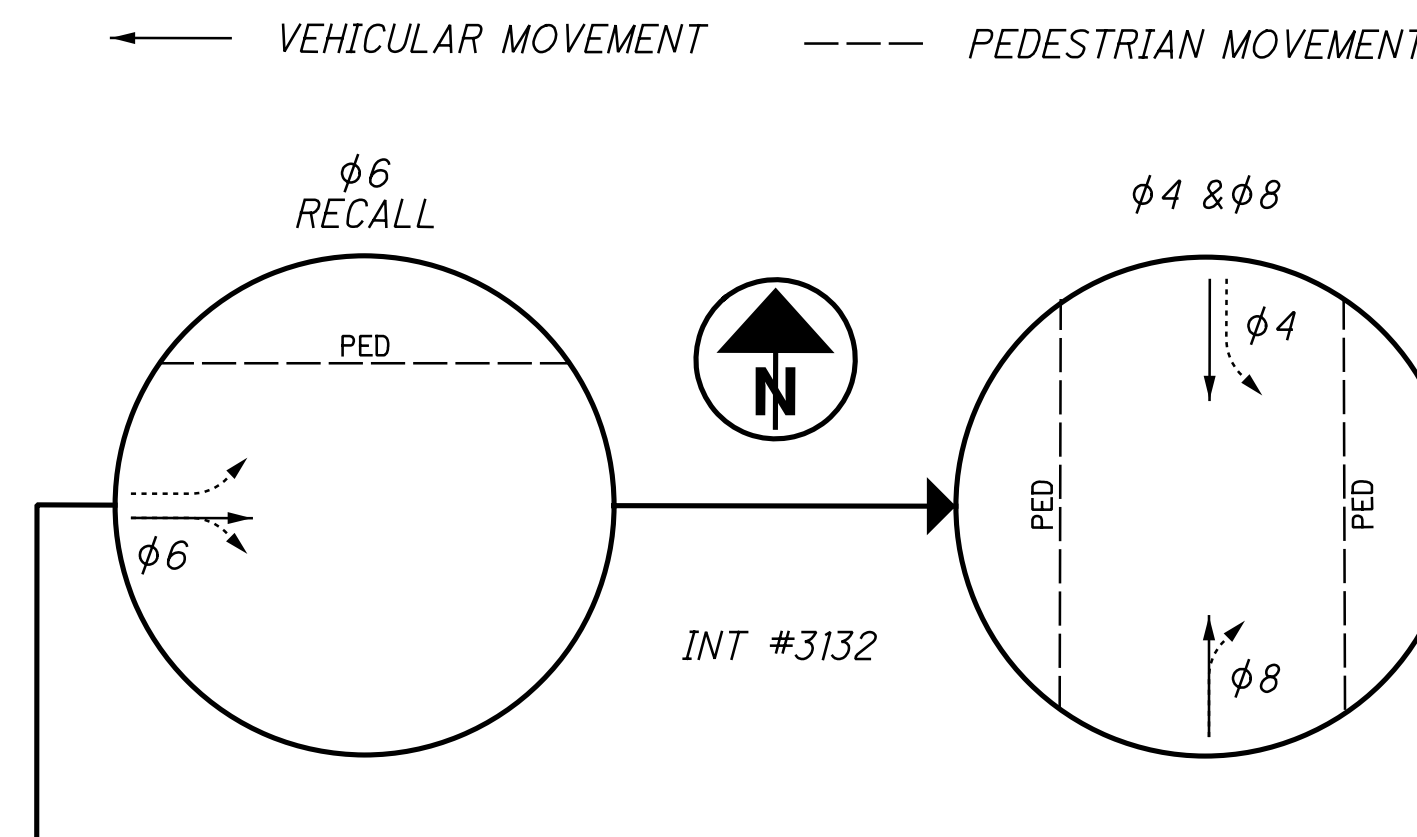
TEMP DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	DELAY DATA	
					DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z4A	1	φ4	5' X 40'	X	0	φ4
Z4B	1	φ4	6' X 40'	X	3	φ4
Z8A	2	φ8	6' X 40'	X	5	φ8

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TEMPORARY WOOD SIGNAL POLE



**PHASING DIAGRAM**



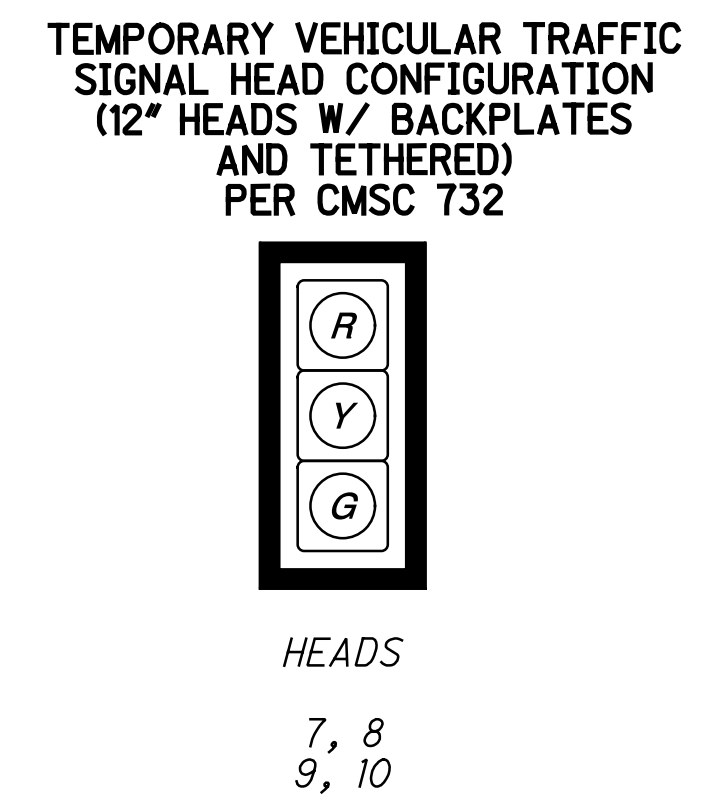
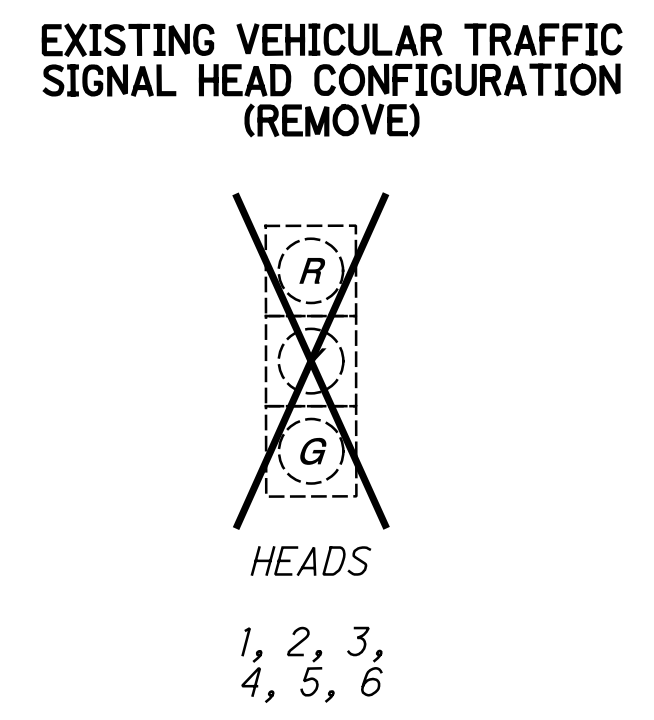
CALCULATED BY JSW  
 CHECKED BY EMS  
**TEMPORARY TRAFFIC SIGNAL PLAN - PHASE 1B**  
**HUDSON ST AT MCGUFFEY RD**

**HUDSON ST**  
 42  
 535

3575-E

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 10/5/2021  
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- LEGEND**
- SIGNAL HEADS:** EX. VEHICULAR □▷  
 TEMPORARY EX. VEHICULAR ■▷  
 EX. PEDESTRIAN ◁
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 PR. POLE MTD. CABINET ∞
- SIGNS:** EX. OVERHEAD ▽  
 PR. OVERHEAD ▽
- DETECTION:** TEMP. VIDEO CAMERA ▣



**RADAR DETECTION CHART**

TEMP DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	DELAY DATA	
					DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z8A	1	φ8	5'X40'	X	12	φ8

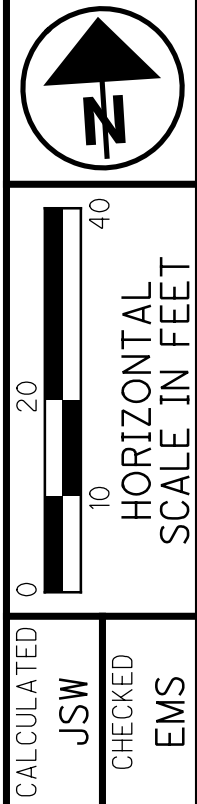
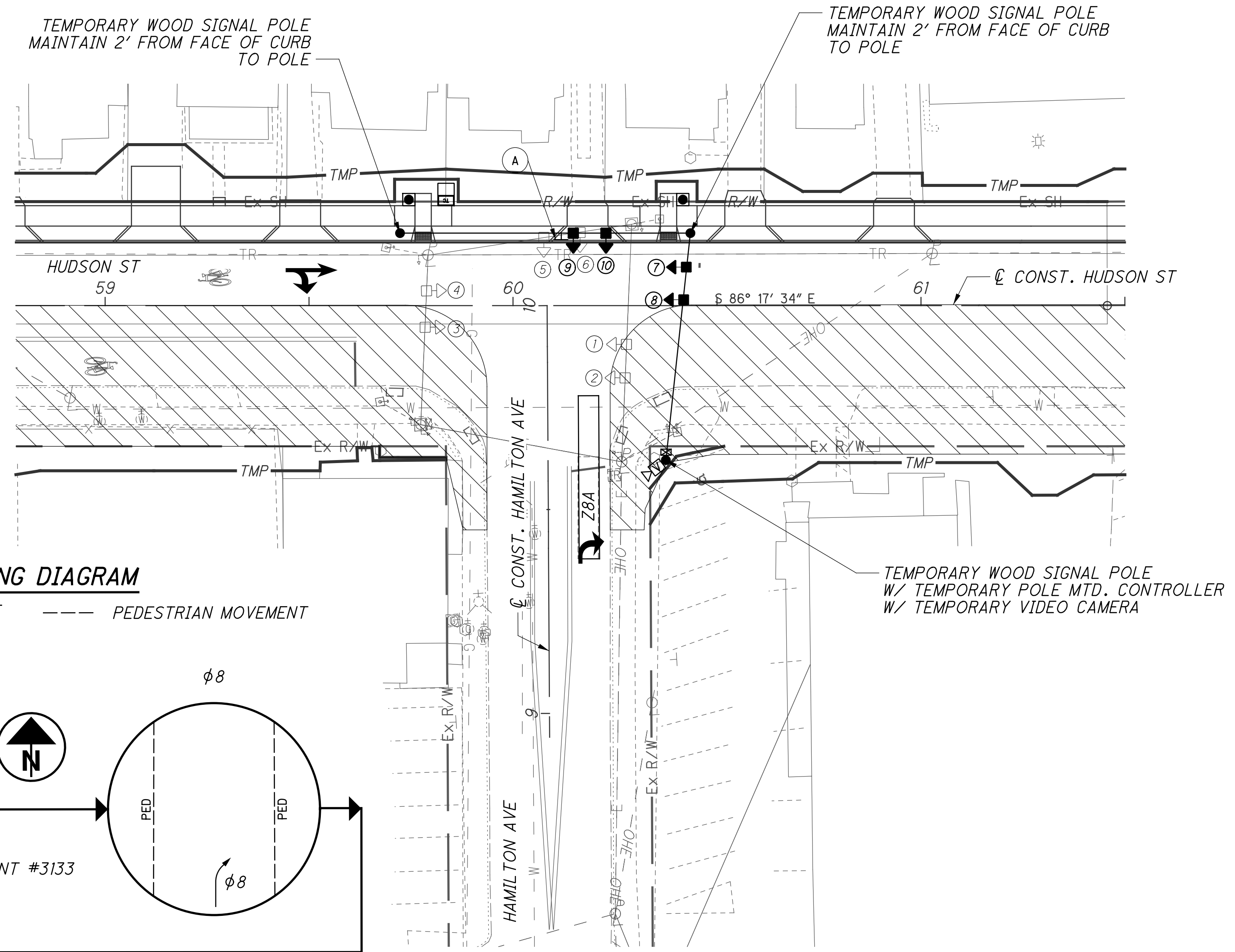
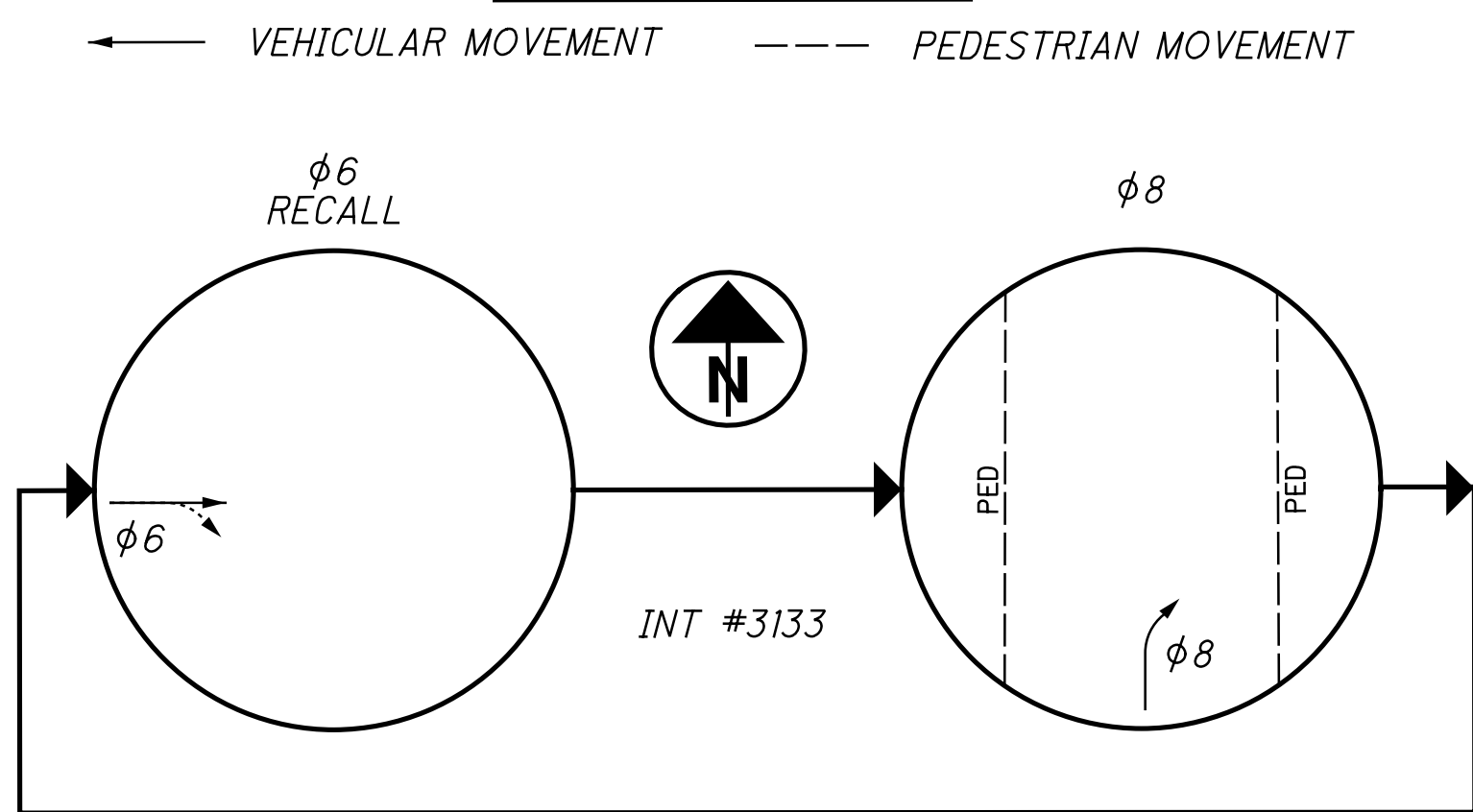
**SIGNAL TIMING CHART**

PHASE	1	2	3	4	5	6	7	8
MOVEMENT						EB		NB
MIN INITIAL						25		10
WALK						18		10
PED CHG						7		7
PASS/ EXT						1.0		3.7
YELLOW						3.6		3.6
RED CLR						1.2		1.0
MAX GRN 1						60		20
MAX GRN 2						60		99
PED RECALL						ON		OFF
VEH RECALL						MIN		OFF
MEMORY						ON		OFF

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- EXISTING PEDESTRIAN PUSHBUTTONS, PUSHBUTTON SIGNS, SIGNAL HEADS, AND AUDIBLE PEDESTRIAN SYSTEM (APS) EQUIPMENT SHALL BE MAINTAINED FOR ALL CROSSWALKS THAT REMAIN OPEN DURING CONSTRUCTION. TEMPORARY PUSHBUTTONS AND SIGNS OR RELOCATED PUSHBUTTONS AND SIGNS SHALL BE POSITIONED ACCORDING TO THE CITY OF COLUMBUS ADA RULES AND REGULATIONS. RELOCATED PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED SUCH THAT THE HEAD IS AIMED AT THE CENTER OF THE CROSSWALK AREA (NOT THE CURB RAMP) THAT IS OPPOSITE THE UNIT. A MINIMUM OF ONE CROSSWALK TO CROSS EACH STREET AT A SIGNALIZED INTERSECTION SHALL BE MAINTAINED AT ALL TIMES. FOR SIGNALIZED INTERSECTIONS WITH THREE LEGS, THE CROSSWALK TO CROSS THE DEAD END STREET MAY BE CLOSED AS LONG A PEDESTRIAN PATH IS PROVIDED ALONG THE "TOP SIDE" OF THE INTERSECTION.
- UNLESS NOTED IN THE PLANS, THE TRAFFIC SIGNAL SHALL UTILIZE THE EXISTING TIMING AND PHASING.
- IF ANY CHANGES ARE MADE TO THE SIGNAL OPERATION INCLUDING PHASING CHANGES, PHASE OMISSIONS, TIMING CHANGES, ETC., SIGNAL OPERATION CHANGED SIGNS (W23-H2B) SHALL BE INSTALLED ON THE SPAN OR ARM FOR ALL DIRECTIONS. CENTER THE SIGN OVER THE APPROACH. SIGN SHALL BE LEFT IN PLACE NO LONGER THAN THE DURATION SPECIFIED UNDER ITEM 630 SIGNING, MISC.: TRAFFIC SIGNAL SIGNS.
- TEMPORARY WOOD SIGNAL POLES SHALL BE SIZED AND THE TEMPORARY SIGNAL SPAN SHALL BE ADJUSTED SUCH THAT THE MINIMUM ROADWAY CLEARANCE TO THE BOTTOM OF THE LOWEST SIGNAL HEAD IS 16.5' MINIMUM AND THE HIGHEST SIGNAL HEAD IS 19' MAXIMUM.
- N/A
- N/A
- N/A
- N/A

**PHASING DIAGRAM**



TEMPORARY TRAFFIC SIGNAL PLAN - PHASE 1B  
 HAMILTON AVE AT HUDSON ST

HUDSON ST

10/00:35 AM 10/5/2021 10:00:35 AM  
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0 20 40  
HORIZONTAL SCALE IN FEET

CALCULATED  
JWS  
CHECKED  
EMS

TEMPORARY TRAFFIC SIGNAL PLAN - PHASE 1B  
DRESDEN ST AT HUDSON ST

HUDSON ST

44  
535

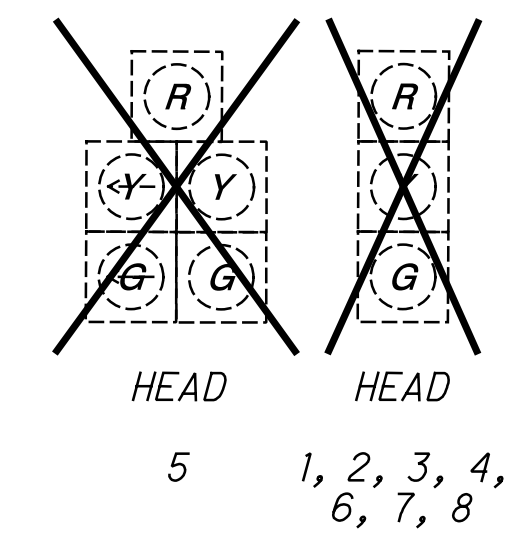
### LEGEND

- SIGNAL HEADS: EX. VEHICULAR   
 TEMPORARY EX. VEHICULAR   
 EX. PEDESTRIAN   
 SIGNAL POLES: EX. ANCHOR/STRAIN POLE   
 PR. TEMPORARY WOOD POLE   
 EX. PEDESTAL PUSHBUTTON   
 EX. MESSENGER WIRE & TETHER   
 PR. MESSENGER WIRE & TETHER   
 CONTROLLERS & CABINETS: EX. POLE MTD. CABINET   
 PR. POLE MTD. CABINET   
 SIGNS: EX. OVERHEAD   
 PR. OVERHEAD   
 DETECTION: EX. TWMP. VIDEO CAMERA

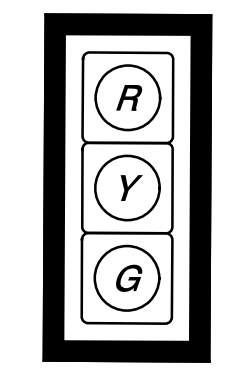
### SIGNAL TIMING CHART

PHASE	1	2	3	4	5	6	7	8
MOVEMENT				SB		EB		NB
MIN INITIAL				10		20		10
WALK				7		7		7
PED CHG				8		7		8
PASS/ EXT				3.7		3.7		3.7
YELLOW				3.6		3.6		3.6
RED CLR				1.4		1.0		1.4
MAX GRN 1				25		45		25
MAX GRN 2				99		45		99
PED RECALL				OFF		ON		OFF
VEH RECALL				OFF		EXT		OFF
MEMORY				OFF		ON		OFF

### EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (REMOVE)



### TEMPORARY VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (12" HEADS W/ BACKPLATES AND TETHER) PER CMSC 732



HEADS  
9, 10, 11,  
12, 13, 14



R6-2L-36

(A)



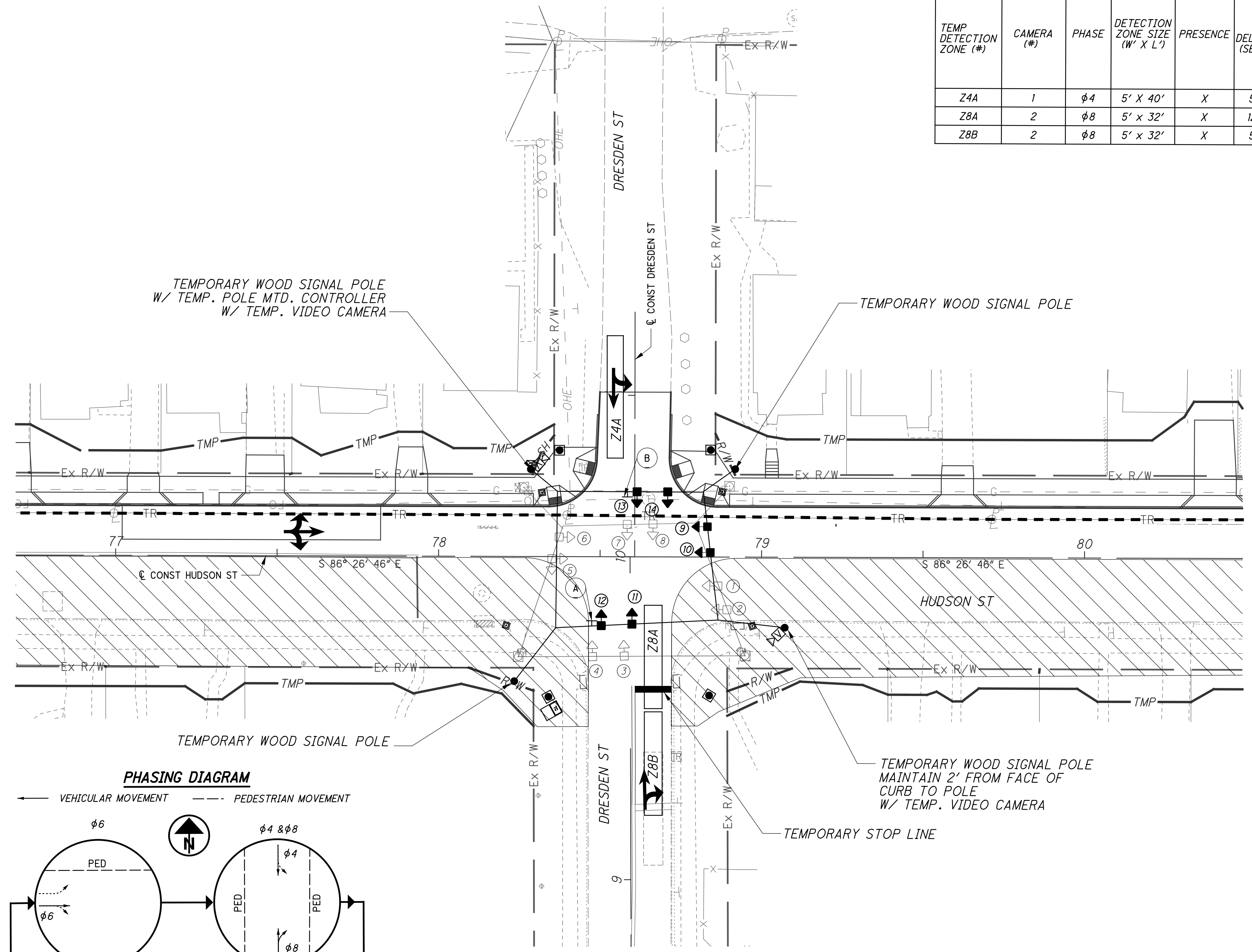
R6-2R-36

(B)

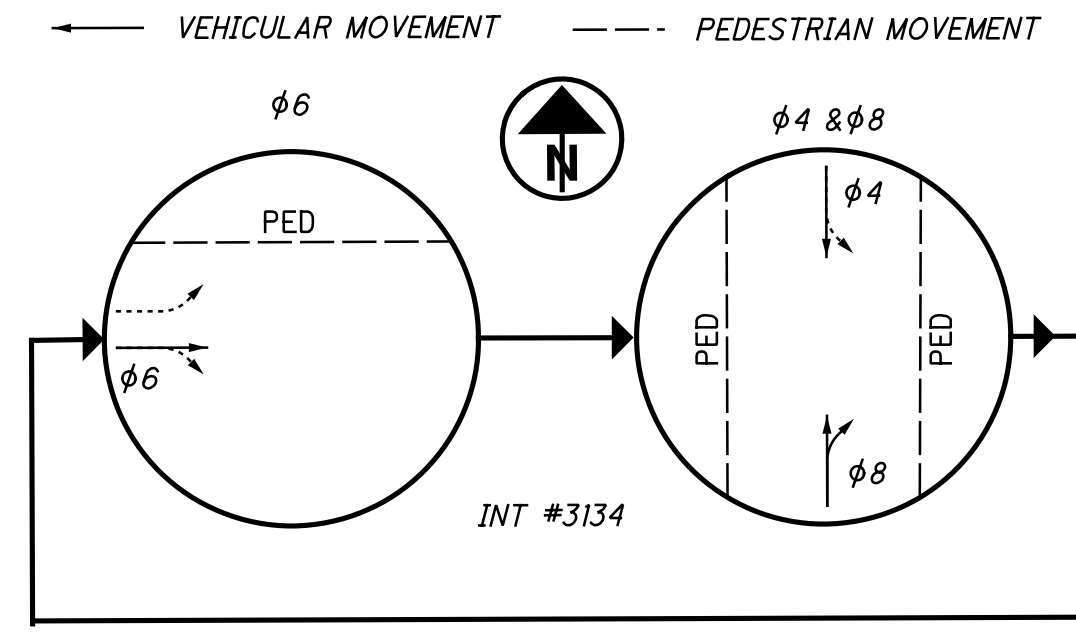
### DETECTION CHART

TEMP DETECTION ZONE (#)	CAMERA (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	DELAY DATA	
					DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z4A	1	φ4	5' X 40'	X	5	φ4
Z8A	2	φ8	5' x 32'	X	12	φ8
Z8B	2	φ8	5' x 32'	X	5	φ8

- NOTES:
- AN EXISTING TRAFFIC SIGNAL, OR ANY PART THEREOF, SHALL NOT BE TAKEN OUT OF SERVICE UNLESS ALTERNATE MEANS OF TRAFFIC CONTROL ARE IN PLACE AND OPERATIONAL. UNLESS DIRECTED BY THE CITY OF COLUMBUS, CITY ENGINEER OR APPOINTED DESIGNEE EXISTING TRAFFIC SIGNALS SHALL NOT BE TAKEN OUT OF SERVICE BETWEEN THE HOURS OF:
    - 7:00 AM TO 9:00 AM MONDAY THROUGH FRIDAY AND
    - 4:00 PM TO 6:00 PM, MONDAY THROUGH FRIDAY (3:30 PM 6:00 PM FOR THE DOWNTOWN BUSINESS DISTRICT)
    - OR ONE HOUR BEFORE SUNSET THROUGH ONE-HALF HOUR AFTER SUN RISE, WHICHEVER IS THE LONGEST DURATION.
  - ANY UNUSED SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSHBUTTON, OR POLE OR SPAN/ARM MOUNTED SIGN SHALL BE COVERED AND DISCONNECTED. VEHICULAR SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS SHALL BE COVERED PER THE REQUIREMENTS OF CMSC 632.25.
  - VEHICULAR SIGNAL HEADS SHALL BE ALIGNED PER THE PLAN. NO TWO VEHICULAR SIGNAL HEADS SHALL BE LOCATED WITHIN EIGHT FEET OF ONE ANOTHER, MEASURED PERPENDICULAR TO THE TRAVEL LANE.
  - SIGNS SHALL BE ALIGNED PER THE PLANS. EXISTING SIGNS IN CONFLICT WITH THE PROPOSED TEMPORARY TRAFFIC CONTROL SETUP SHALL BE COVERED OR TEMPORARILY REMOVED.
  - WEATHERPROOF SPLICES MAY BE INTRODUCED INTO SIGNAL CABLE IN ORDER TO RELOCATE EXISTING VEHICULAR SIGNAL HEADS. NO SPLICES SHALL REMAIN IN THE CABLE WHEN THE SIGNAL HEADS ARE RETURNED TO THEIR ORIGINAL POSITION.
  - ALL EXISTING VEHICULAR DETECTION SHALL BE MAINTAINED AT ALL TIMES. LOOPS THAT CANNOT BE USED AS A RESULT OF LANE SHIFTS, LANE CLOSURES, ETC. SHALL BE DEACTIVATED DURING CONSTRUCTION. TEMPORARY RADAR OR VIDEO DETECTION SHALL BE USED TO MAINTAIN DETECTION WHEN AN EXISTING LOOP CANNOT BE USED. IF THE EXISTING DETECTION IS RADAR OR VIDEO, THE ZONES ON THE EXISTING RADAR OR VIDEO UNIT SHALL BE RELOCATED TO THE NEW LANE ALIGNMENT. WHEN TEMPORARY RADAR DETECTION IS USED, DILEMMA ZONE DETECTION SHALL BE PROVIDED FOR APPROACHES WITH SPEEDS GREATER THAN 40 MPH.
  - EXISTING PEDESTRIAN PUSHBUTTONS, PUSHBUTTON SIGNS, AND SIGNAL HEADS SHALL BE MAINTAINED FOR ALL CROSSWALKS THAT REMAIN OPEN DURING CONSTRUCTION. TEMPORARY PUSHBUTTONS AND SIGNS OR RELOCATED PUSHBUTTONS AND SIGNS SHALL BE POSITIONED ACCORDING TO THE CITY OF COLUMBUS ADA RULES AND REGULATIONS. RELOCATED PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED SUCH THAT THE HEAD IS AIMED AT THE CENTER OF THE CROSSWALK AREA (NOT THE CURB RAMP) THAT IS OPPOSITE THE UNIT. A MINIMUM OF ONE CROSSWALK TO CROSS EACH STREET AT A SIGNALIZED INTERSECTION SHALL BE MAINTAINED AT ALL TIMES. FOR SIGNALIZED INTERSECTIONS WITH THREE LEGS, THE CROSSWALK TO CROSS THE DEAD END STREET MAY BE CLOSED AS LONG A PEDESTRIAN PATH IS PROVIDED ALONG THE "TOP SIDE" OF THE INTERSECTION.
  - UNLESS NOTED IN THE PLANS, THE TRAFFIC SIGNAL SHALL UTILIZE THE EXISTING TIMING AND PHASING.
  - IF ANY CHANGES ARE MADE TO THE SIGNAL OPERATION INCLUDING PHASING CHANGES, PHASE OMISSIONS, TIMING CHANGES, ETC., SIGNAL OPERATION CHANGED SIGNS (W23-H2B) SHALL BE INSTALLED ON THE SPAN OR ARM FOR ALL DIRECTIONS. CENTER THE SIGN OVER THE APPROACH. SIGN SHALL BE LEFT IN PLACE NO LONGER THAN THE DURATION SPECIFIED UNDER ITEM 630 SIGNING, MISC.: TRAFFIC SIGNAL SIGNS.
  - TEMPORARY WOOD SIGNAL POLES SHALL BE SIZED AND THE TEMPORARY SIGNAL SPAN SHALL BE ADJUSTED SUCH THAT THE MINIMUM ROADWAY CLEARANCE TO THE BOTTOM OF THE LOWEST SIGNAL HEAD IS 16.5' MINIMUM AND THE HIGHEST SIGNAL HEAD IS 19' MAXIMUM.
  - WHEN TEMPORARY TRAFFIC SIGNAL CABINETS ARE USED, BASE MOUNTED CABINETS SHALL BE MOUNTED ON A STURDY FOUNDATION SECURE FROM ANIMALS AND WEATHER. POLE MOUNTED CABINETS SHALL BE POSITIONED TO PREVENT AN OVERHANG GREATER THAN 4 IN. INTO A PEDESTRIAN PATHWAY.
  - THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, COORDINATION, AND PAYING FOR POWER SERVICE AS NEEDED FOR THE MAINTENANCE OF TRAFFIC PHASES.
  - SIGNAL SHALL REMAIN CONNECTED TO THE CTSS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL INSTALL A TEMPORARY DROP CABLE OR RELOCATE THE EXISTING DROP CABLE TO THE TEMPORARY CABINET.
  - SEE PERMANENT SIGNAL PLANS FOR REMOVAL OF EXISTING SIGNAL ITEMS.



### PHASING DIAGRAM



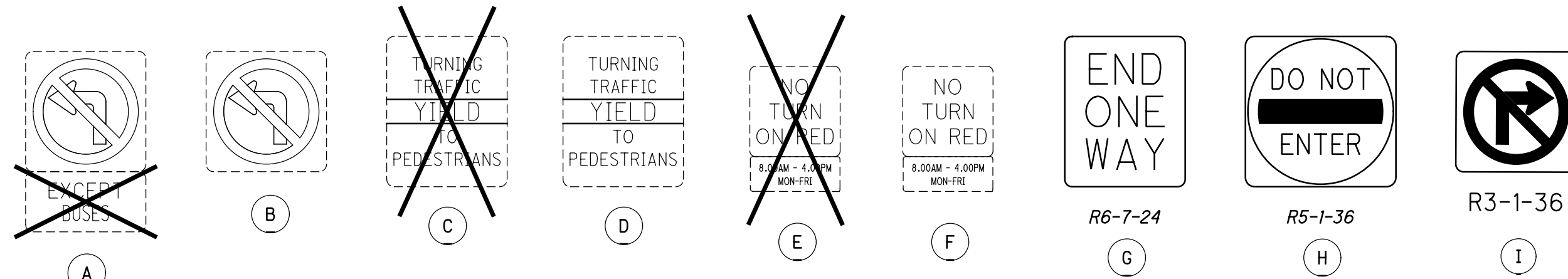
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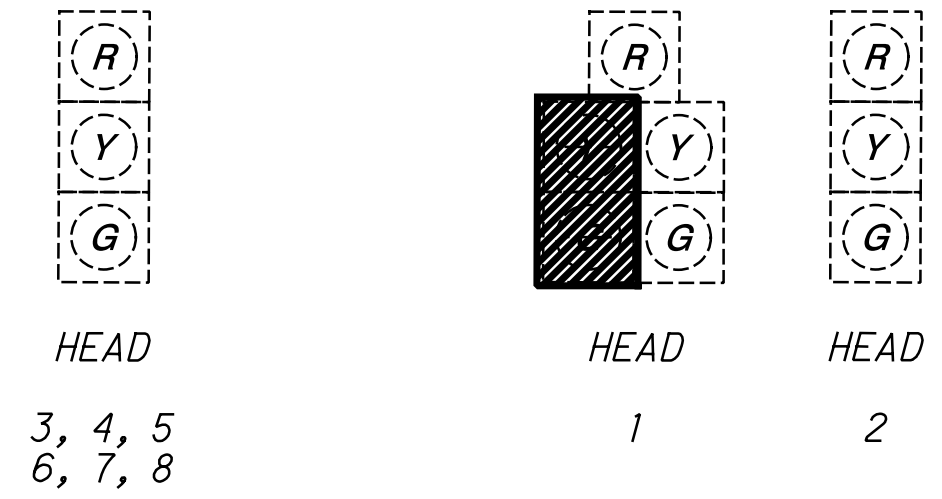
**LEGEND**

- SIGNAL HEADS:** EX. VEHICULAR □▷  
 TEMPORARY EX. VEHICULAR ■▷  
 EX. PEDESTRIAN ↓
- SIGNAL POLES:** EX. ANCHOR/STRAIN POLE □  
 PR. TEMPORARY WOOD POLE ●  
 EX. PEDESTAL □ PUSHBUTTON  
 EX. MESSENGER WIRE & TETHER \_\_\_\_\_  
 PR. MESSENGER WIRE & TETHER \_\_\_\_\_
- CONTROLLERS & CABINETS:** EX. POLE MTD. CABINET ☒  
 PR. POLE MTD. CABINET ☒
- SIGNS:** EX. OVERHEAD ⊥  
 PR. OVERHEAD ⊥
- DETECTION:** TEMP. VIDEO CAMERA ⊞



EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (REMAIN)

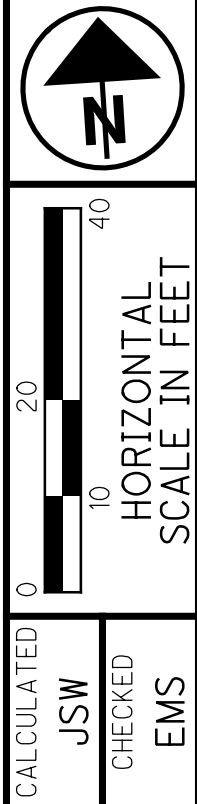
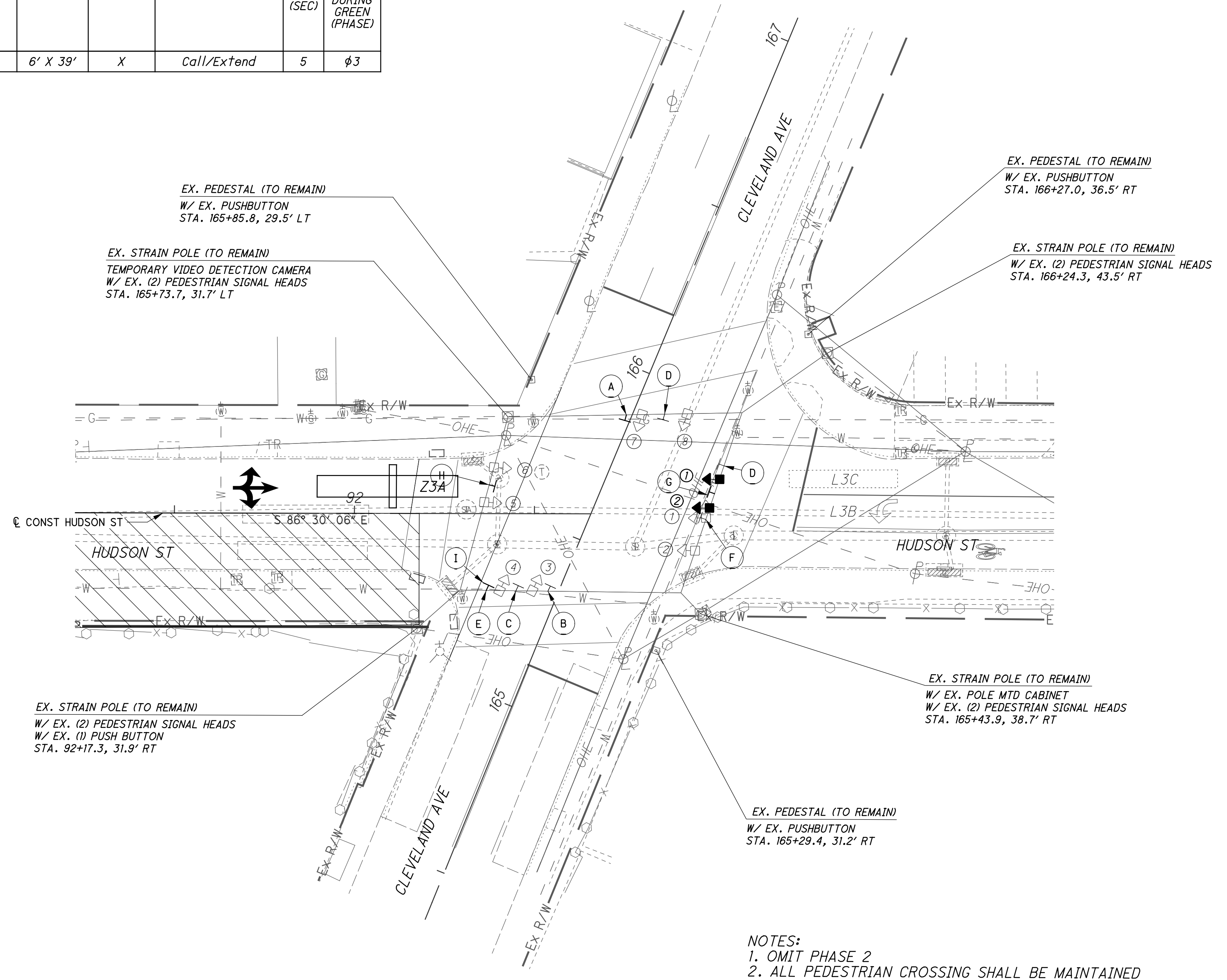
EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (RELOCATE/BAG)



TEMP DETECTION ZONE (#)	VIDEO DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	PURPOSE	DELAY DATA	
						DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z3A	1	φ3	6' X 39'	X	Call/Extend	5	φ3

**NOTES:**

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 - 7:00 AM TO 9:00 AM MONDAY THROUGH FRIDAY AND  
 - 4:00 PM TO 6:00 PM, MONDAY THROUGH FRIDAY (3:30 PM 6:00 PM FOR THE DOWNTOWN BUSINESS DISTRICT)  
 - OR ONE HOUR BEFORE SUNSET THROUGH ONE-HALF HOUR AFTER SUN RISE, WHICHEVER IS THE LONGEST DURATION.
- ANY UNUSED SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSHBUTTON, OR POLE OR SPAN/ARM MOUNTED SIGN SHALL BE COVERED AND DISCONNECTED. VEHICULAR SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS SHALL BE COVERED PER THE REQUIREMENTS OF CMSC 632.25.
- VEHICULAR SIGNAL HEADS SHALL BE ALIGNED PER THE PLAN. NO TWO VEHICULAR SIGNAL HEADS SHALL BE LOCATED WITHIN EIGHT FEET OF ONE ANOTHER, MEASURED PERPENDICULAR TO THE TRAVEL LANE.
- SIGNS SHALL BE ALIGNED PER THE PLANS. EXISTING SIGNS IN CONFLICT WITH THE PROPOSED TEMPORARY TRAFFIC CONTROL SETUP SHALL BE COVERED OR TEMPORARILY REMOVED.
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- EXISTING PEDESTRIAN PUSHBUTTONS, PUSHBUTTON SIGNS, AND SIGNAL HEADS SHALL BE MAINTAINED FOR ALL CROSSWALKS THAT REMAIN OPEN DURING CONSTRUCTION. TEMPORARY PUSHBUTTONS AND SIGNS OR RELOCATED PUSHBUTTONS AND SIGNS SHALL BE POSITIONED ACCORDING TO THE CITY OF COLUMBUS ADA RULES AND REGULATIONS. RELOCATED PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED SUCH THAT THE HEAD IS AIMED AT THE CENTER OF THE CROSSWALK AREA (NOT THE CURB RAMP) THAT IS OPPOSITE THE UNIT. A MINIMUM OF ONE CROSSWALK TO CROSS EACH STREET AT A SIGNALIZED INTERSECTION SHALL BE MAINTAINED AT ALL TIMES. FOR SIGNALIZED INTERSECTIONS WITH THREE LEGS, THE CROSSWALK TO CROSS THE DEAD END STREET MAY BE CLOSED AS LONG A PEDESTRIAN PATH IS PROVIDED ALONG THE "TOP SIDE" OF THE INTERSECTION.
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- N/A
- N/A
- N/A
- N/A



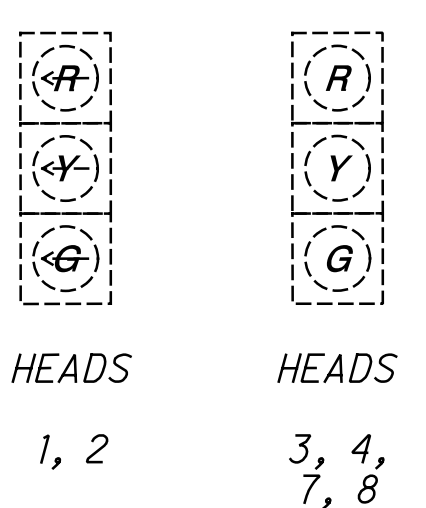
**TEMPORARY TRAFFIC SIGNAL PLAN - PHASE 1B**  
**CLEVELAND AVE AT HUDSON ST**

**HUDSON ST**

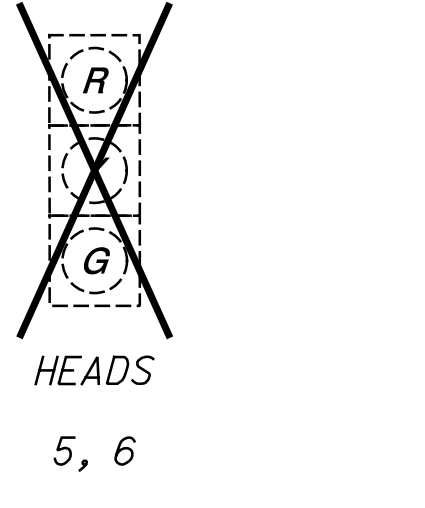
**LEGEND**

- SIGNAL HEADS:**  
 EX. VEHICULAR □▷  
 EX. PEDESTRIAN ◡
- SIGNAL POLES:**  
 EX. ANCHOR/STRAIN POLE  
 PR. TEMPORARY WOOD POLE ●  
 EX. PEDESTAL PUSHBUTTON -  
 EX. MESSENGER WIRE & TETHER  
 PR. MESSENGER WIRE & TETHER
- CONTROLLERS & CABINETS:**  
 EX. POLE MTD. CABINET ∞  
 PR. POLE MTD. CABINET ⊠
- SIGNALS:**  
 EX. OVERHEAD ⊥  
 PR. OVERHEAD ⊥

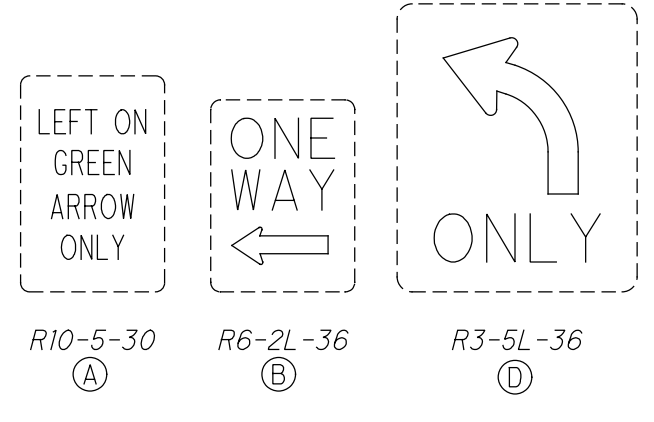
**EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (TO BE RELOCATED)**



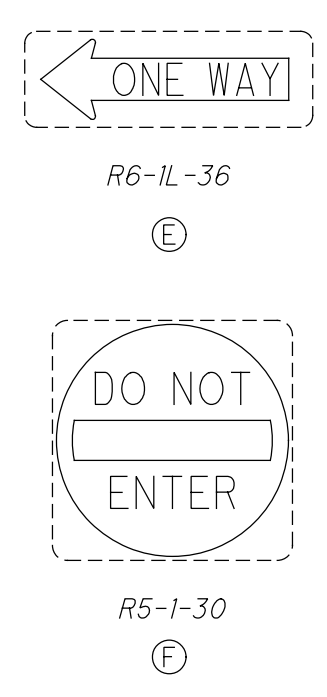
**EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (TO BE BAGGED)**



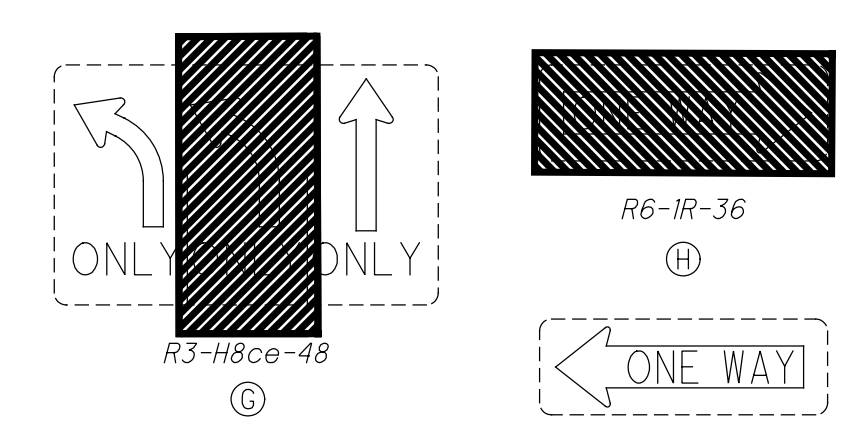
**EXISTING OVERHEAD MOUNTED SIGN (TO REMAIN)**



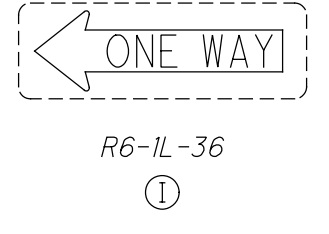
**EXISTING POLE MOUNTED SIGN (RELOCATE)**



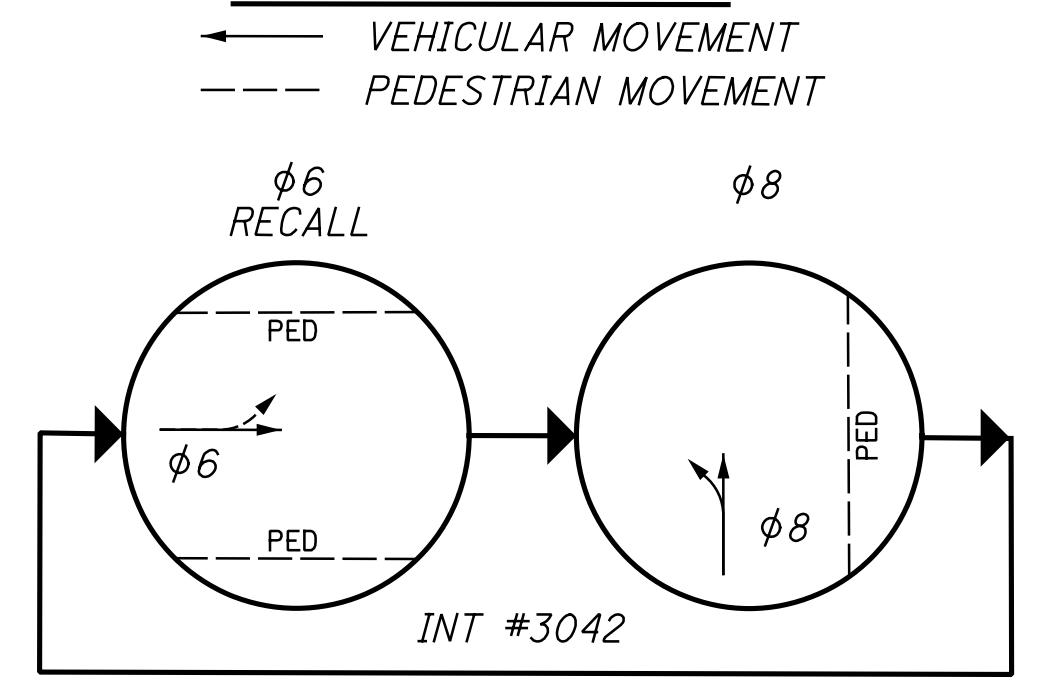
**EXISTING POLE MOUNTED SIGN (TO REMAIN)**



**PROPOSED POLE MOUNTED SIGN**

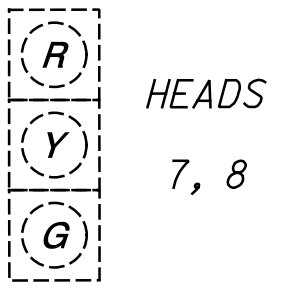


**PHASING DIAGRAM**

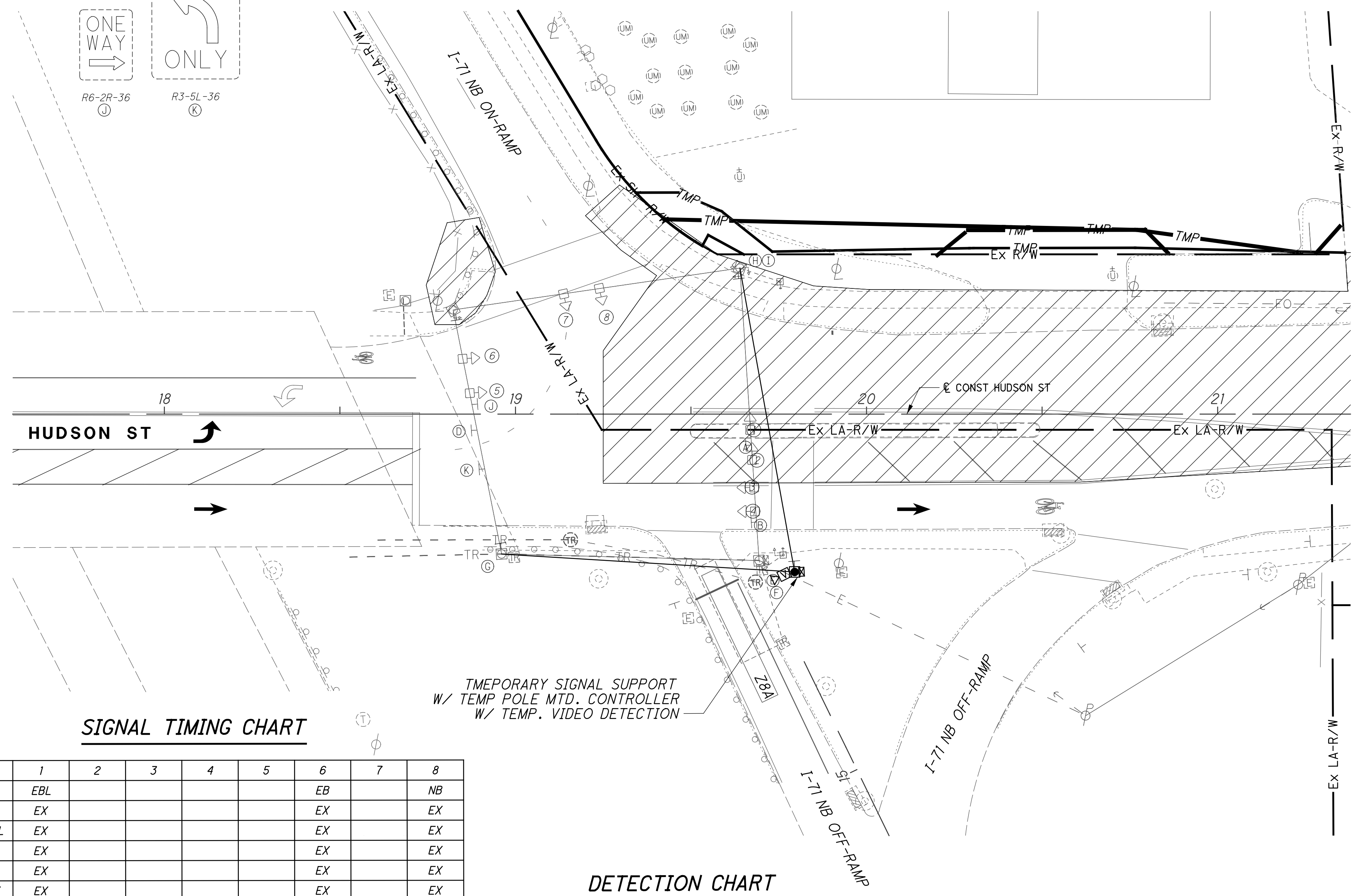
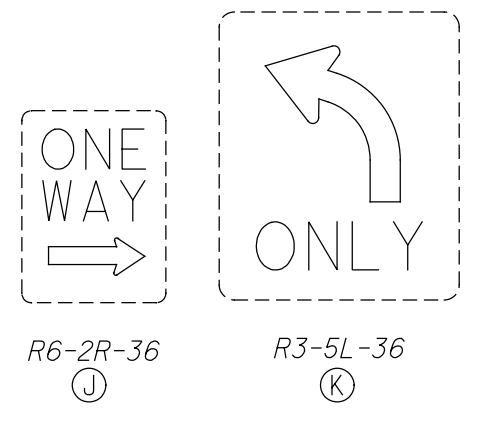


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  - WHEN TEMPORARY TRAFFIC SIGNAL CABINETS ARE USED, BASE MOUNTED CABINETS SHALL BE MOUNTED ON A STURDY FOUNDATION SECURE FROM ANIMALS AND WEATHER. POLE MOUNTED CABINETS SHALL BE POSITIONED TO PREVENT AN OVERHANG GREATER THAN 4 IN. INTO A PEDESTRIAN PATHWAY.
  - THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, COORDINATION, AND PAYING FOR POWER SERVICE AS NEEDED FOR THE MAINTENANCE OF TRAFFIC PHASES.
  - SIGNAL SHALL REMAIN CONNECTED TO THE CTSS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL INSTALL A TEMPORARY DROP CABLE OR RELOCATE THE EXISTING DROP CABLE TO THE TEMPORARY CABINET.
  - SEE PERMANENT SIGNAL PLANS FOR REMOVAL OF EXISTING SIGNAL ITEMS.

**EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (TO REMAIN)**



**EXISTING OVERHEAD SIGN (TO BE BAGGED)**



**SIGNAL TIMING CHART**

PHASE	1	2	3	4	5	6	7	8
DIRECTION	EBL					EB		NB
MOVEMENT	EX					EX		EX
MIN INITIAL	EX					EX		EX
WALK	EX					EX		EX
PED CHG	EX					EX		EX
PASS/ EXT	EX					EX		EX
YELLOW	EX					EX		EX
RED CLR	EX					EX		EX
MAX GRN 1	EX					EX		EX
MAX GRN 2	EX					EX		EX
PED RECALL	EX					EX		EX
VEH RECALL	EX					EX		EX
MEMORY	EX					EX		EX

EX = EXISTING TIMING SHALL BE TRANSFERRED TO TEMPORARY CONTROLLER.

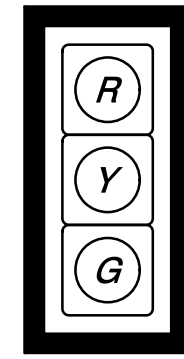
**DETECTION CHART**

DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	DELAY DATA	
					DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z8A	1	phi 8	5' X 40'	X	0	phi 8

**LEGEND**

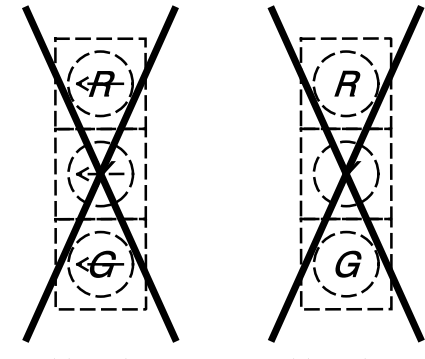
- SIGNAL HEADS:** EX. VEHICULAR □▷  
 RELOCATED EX. VEHICULAR ■▷  
 EX. PEDESTRIAN ◡
- SIGNAL POLES:** EX. ANCHOR/STRAIN POLE □  
 PR. TEMPORARY WOOD POLE ●  
 EX. PEDESTAL □ PUSHBUTTON  
 EX. MESSENGER WIRE & TETHER \_\_\_\_\_  
 PR. MESSENGER WIRE & TETHER \_\_\_\_\_
- CONTROLLERS & CABINETS:** EX. POLE MTD. CABINET □  
 PR. POLE MTD. CABINET □
- SIGNS:** EX. OVERHEAD ⊥  
 PR. OVERHEAD ⊥

TEMPORARY VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (12" HEADS W/ BACKPLATES AND TETHER) PER CMSC 732



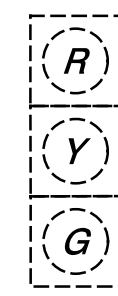
HEADS  
9, 10

EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (TO BE REMOVED)



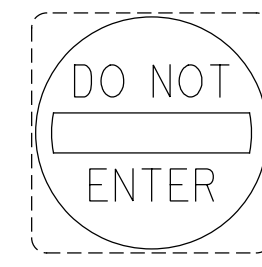
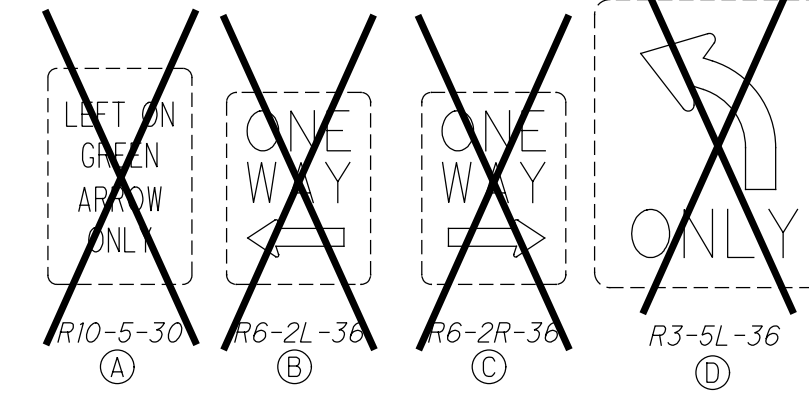
HEADS  
1, 2      3, 4

EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (BAG)

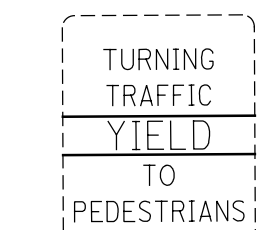


HEAD  
5, 6,  
7, 8

EXISTING OVERHEAD MOUNTED SIGN (REMOVE)

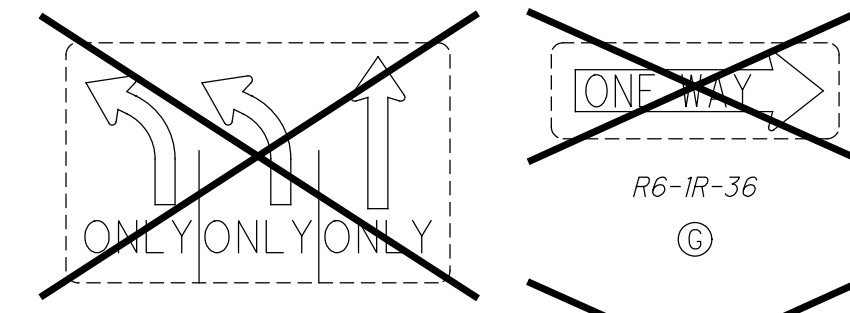


R5-1-30  
E

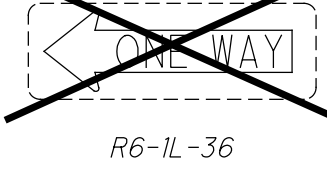


R10-15-36  
I

EXISTING POLE MOUNTED SIGN (REMOVE)



R3-H8ce-48  
F



R6-1R-36  
G



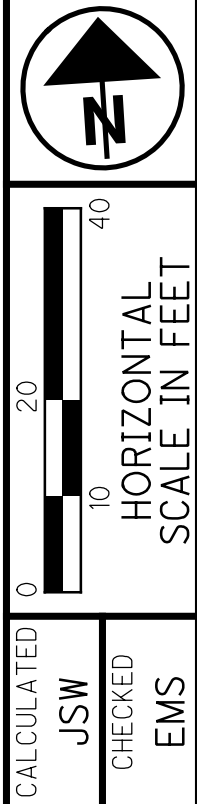
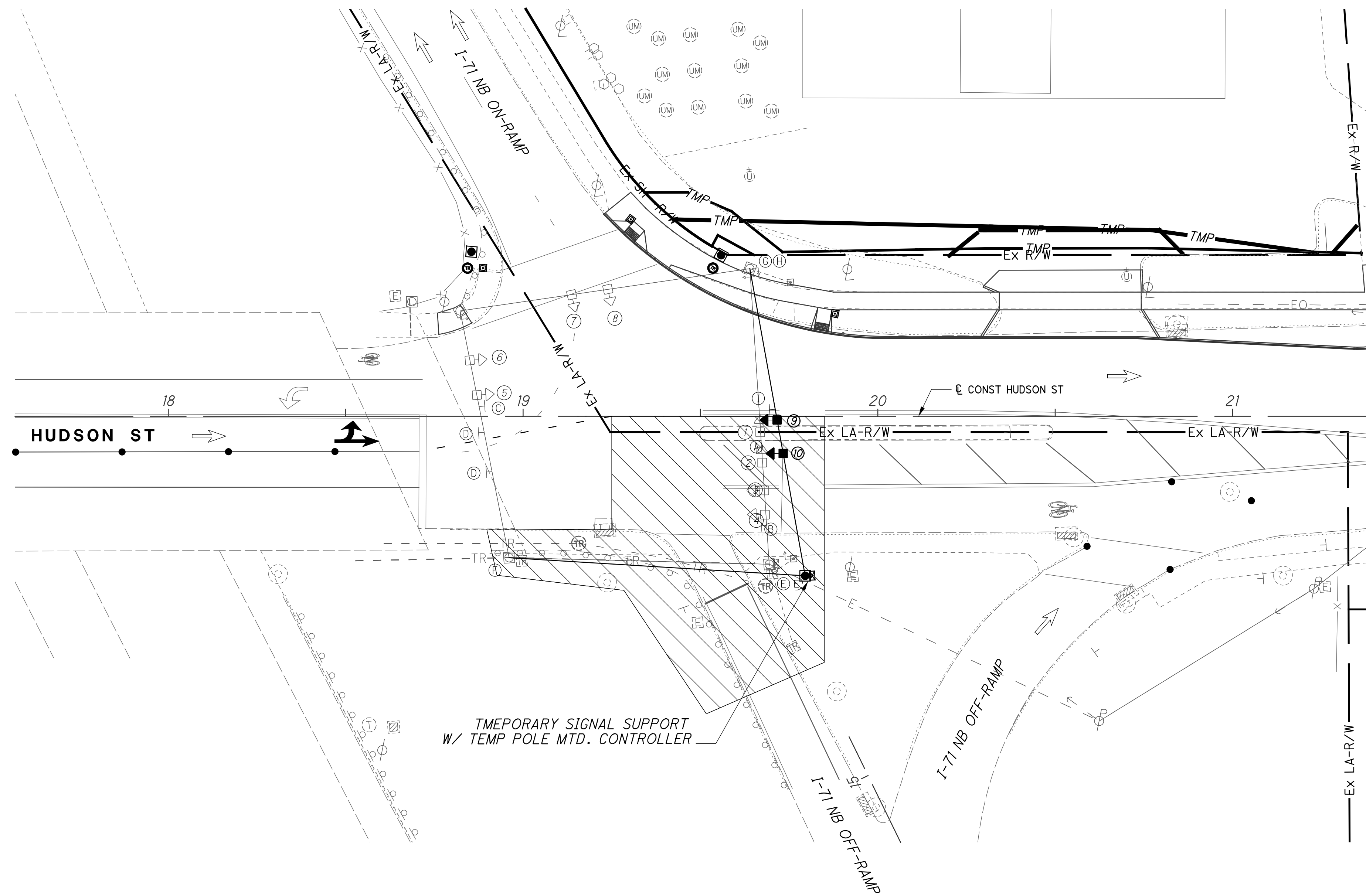
R6-1L-36  
H

**NOTE:**  
 MAINTAIN PEDESTRIAN CROSSING ON NORTH LEG.  
 EASTBOUND LEFT TURN SHALL BE PERMITTED ONLY AND MUST YIELD TO PED CROSSING.  
 SIGNAL HEADS 9 AND 10 SHALL REST IN GREEN DURING PHASE 2B-STEP 1 SINCE THERE IS NO CONFLICT WITH VEHICULAR TRAFFIC.

OMIT PHASE 1.

**NOTES:**

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 - 4:00 PM TO 6:00 PM, MONDAY THROUGH FRIDAY (3:30 PM 6:00 PM FOR THE DOWNTOWN BUSINESS DISTRICT)  
 - OR ONE HOUR BEFORE SUNSET THROUGH ONE-HALF HOUR AFTER SUN RISE, WHICHEVER IS THE LONGEST DURATION.
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- SIGNS SHALL BE ALIGNED PER THE PLANS. EXISTING SIGNS IN CONFLICT WITH THE PROPOSED TEMPORARY TRAFFIC CONTROL SETUP SHALL BE COVERED OR TEMPORARILY REMOVED.
- WEATHERPROOF SPLICES MAY BE INTRODUCED INTO SIGNAL CABLE IN ORDER TO RELOCATE EXISTING VEHICULAR SIGNAL HEADS. NO SPLICES SHALL REMAIN IN THE CABLE WHEN THE SIGNAL HEADS ARE RETURNED TO THEIR ORIGINAL POSITION.
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- SEE PERMANENT SIGNAL PLANS FOR REMOVAL OF EXISTING SIGNAL ITEMS.



CALCULATED  
JWS  
CHECKED  
EMS

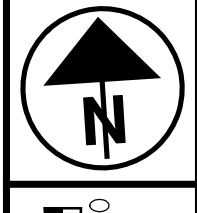
TEMPORARY TRAFFIC SIGNAL PLAN - PHASE 2B - STEP 1  
 I-71 NB AT HUDSON ST

HUDSON ST

47  
535

3575-E

isotesz 10:00:38 AM 10/5/2021 \\01\2018\02392\C.Design\02392\_Hudson\_Design\_Traffic\_Sheets\02392\_CP101\_MOT2B.dgn



0 10 20 40  
HORIZONTAL SCALE IN FEET  
CALCULATED BY JSW  
CHECKED BY EMS

TEMPORARY TRAFFIC SIGNAL PLAN - PHASE 2B - STEP 2  
I-71 NB AT HUDSON ST

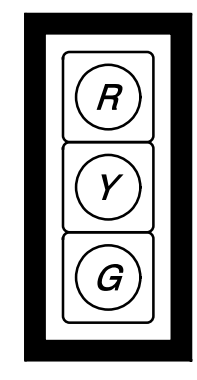
HUDSON ST

48  
535

**LEGEND**

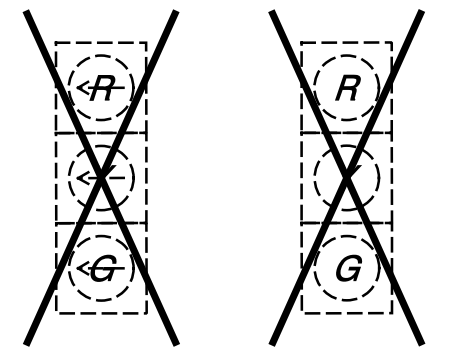
- SIGNAL HEADS:** EX. VEHICULAR □ ▷  
RELOCATED EX. VEHICULAR ■ ▷  
EX. PEDESTRIAN ◀
- SIGNAL POLES:** EX. ANCHOR/STRAIN POLE □  
PR. TEMPORARY WOOD POLE ●  
EX. PEDESTAL □ PUSHBUTTON  
EX. MESSENGER WIRE & TETHER \_\_\_\_\_  
PR. MESSENGER WIRE & TETHER \_\_\_\_\_
- CONTROLLERS & CABINETS:** EX. POLE MTD. CABINET ☒  
PR. POLE MTD. CABINET ☒
- SIGNS:** EX. OVERHEAD †  
PR. OVERHEAD †

TEMPORARY VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (12" HEADS W/ BACKPLATES) PER CMSC 732



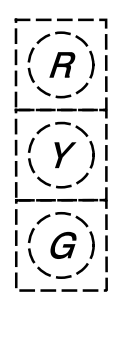
HEADS  
9, 10

EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (TO BE REMOVED)



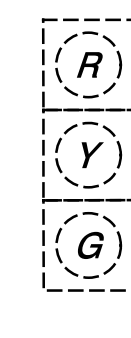
HEADS  
1, 2      HEADS  
3, 4

EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (BAG)



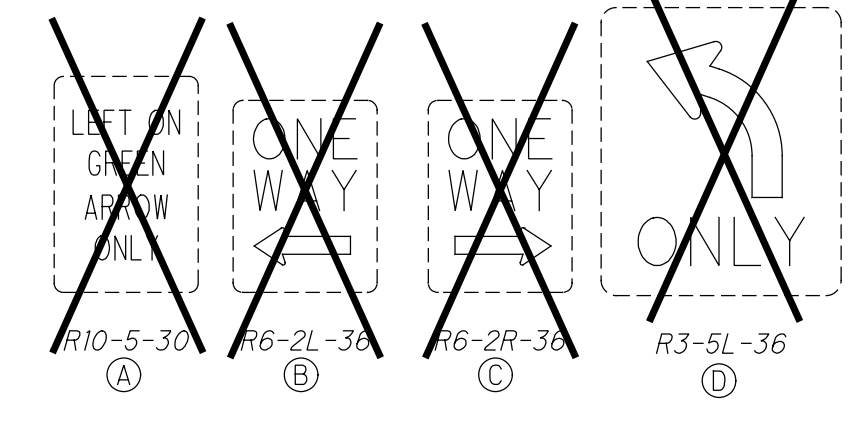
HEAD  
5, 6

EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (REMAIN)

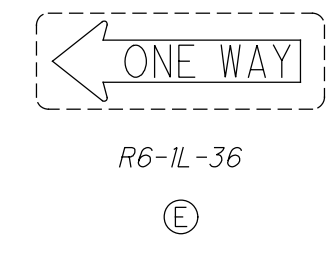


HEAD  
7, 8

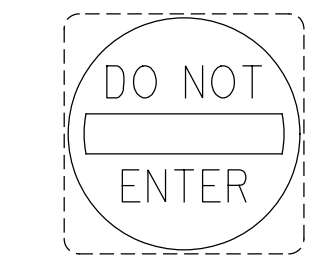
EXISTING OVERHEAD MOUNTED SIGN (REMOVE)



EXISTING POLE MOUNTED SIGN (RELOCATE)

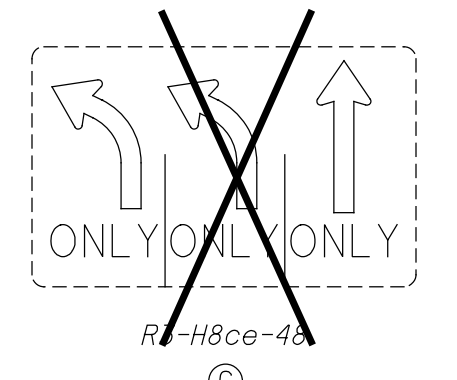


R6-1L-36  
E



R5-1-30  
F

EXISTING POLE MOUNTED SIGN (REMOVE)

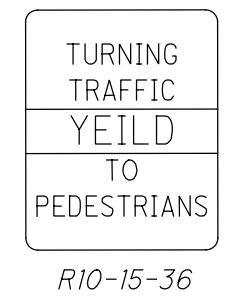


R6-1R-36  
H



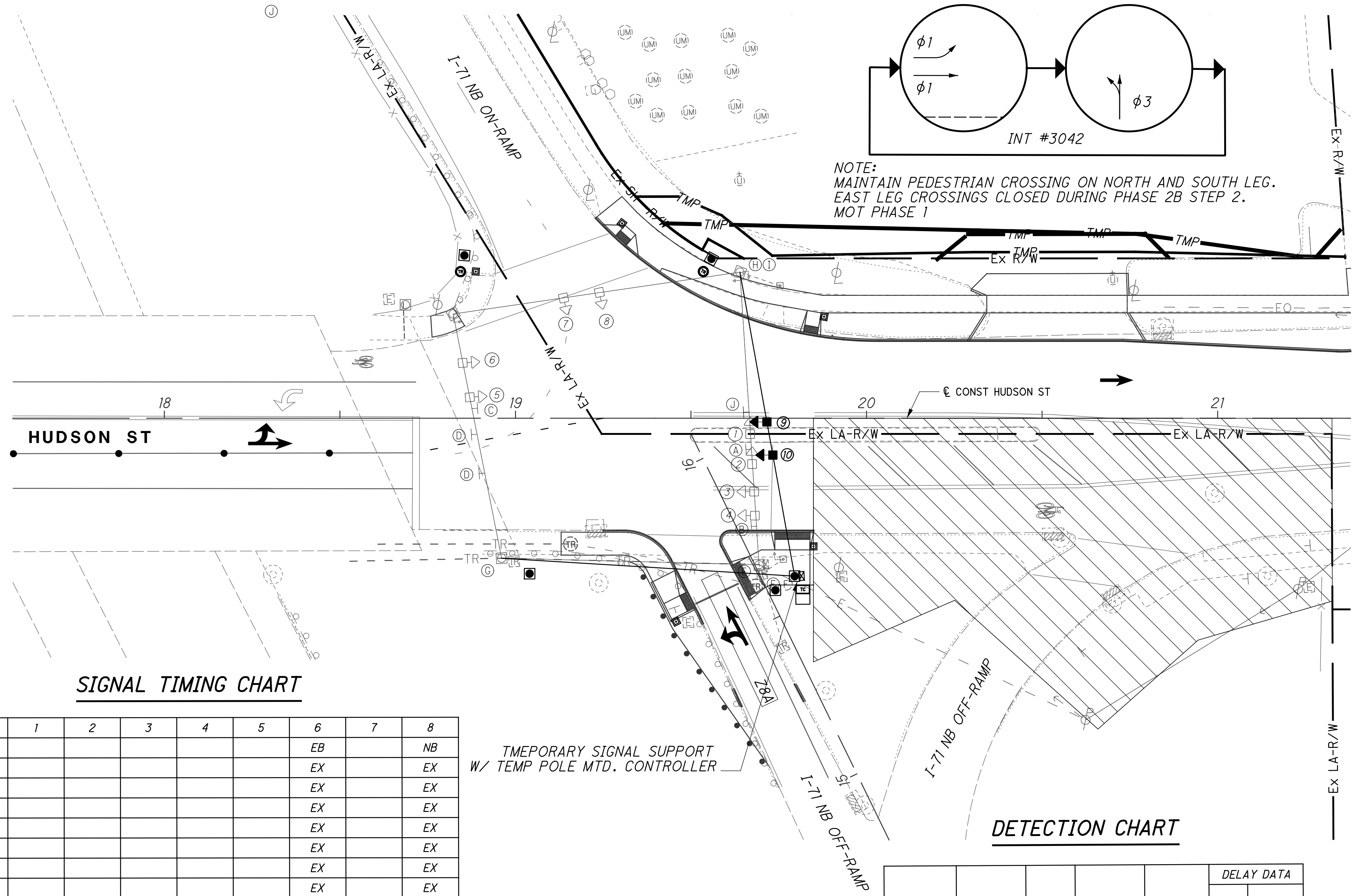
R6-1L-36  
I

TEMPORARY OVERHEAD MOUNTED SIGN



R10-15-36  
J

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- OR ONE HOUR BEFORE SUNSET THROUGH ONE-HALF HOUR AFTER SUN RISE, WHICHEVER IS THE LONGEST DURATION.
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  - SEE PERMANENT SIGNAL PLANS FOR REMOVAL OF EXISTING SIGNAL ITEMS.



**SIGNAL TIMING CHART**

PHASE	1	2	3	4	5	6	7	8
DIRECTION						EB		NB
MOVEMENT						EX		EX
MIN INITIAL						EX		EX
WALK						EX		EX
PED CHG						EX		EX
PASS/ EXT						EX		EX
YELLOW						EX		EX
RED CLR						EX		EX
MAX GRN 1						EX		EX
MAX GRN 2						EX		EX
PED RECALL						EX		EX
VEH RECALL						EX		EX
MEMORY						EX		EX

EX = EXISTING TIMING SHALL BR TRANSFERED TO TEMPORARY CONTROLLER.

**DETECTION CHART**

DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	DELAY DATA	
					DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z8A	1	φ8	5' X 40'	X	0	φ8

3575-E

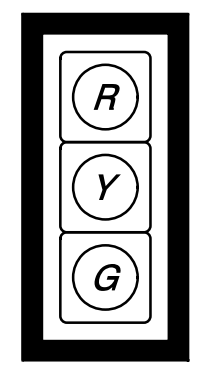
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**LEGEND**

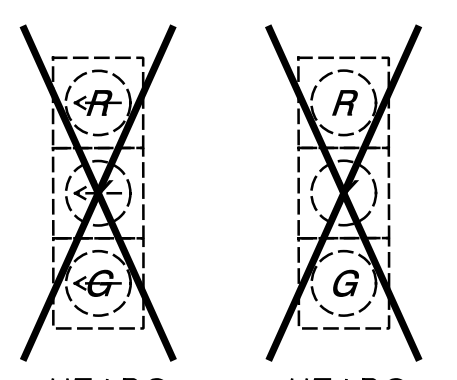
- SIGNAL HEADS:**  
 EX. VEHICULAR   
 RELOCATED EX. VEHICULAR   
 EX. PEDESTRIAN   
**SIGNAL POLES:**  
 EX. ANCHOR/STRAIN POLE   
 PR. TEMPORARY WOOD POLE   
 EX. PEDESTAL   
 EX. MESSENGER WIRE & TETHER   
 PR. MESSENGER WIRE & TETHER   
**CONTROLLERS & CABINETS:**  
 EX. POLE MTD. CABINET   
 PR. POLE MTD. CABINET   
**SIGNS:**  
 EX. OVERHEAD   
 PR. OVERHEAD

TEMPORARY VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (12" HEADS W/ BACKPLATES) PER CMSC 732



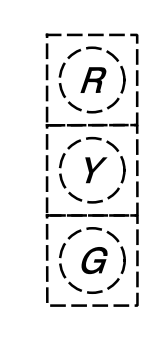
HEADS  
9, 10

EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (TO BE REMOVED)



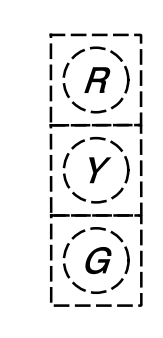
HEADS  
1, 2      HEADS  
3, 4

EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (BAG)



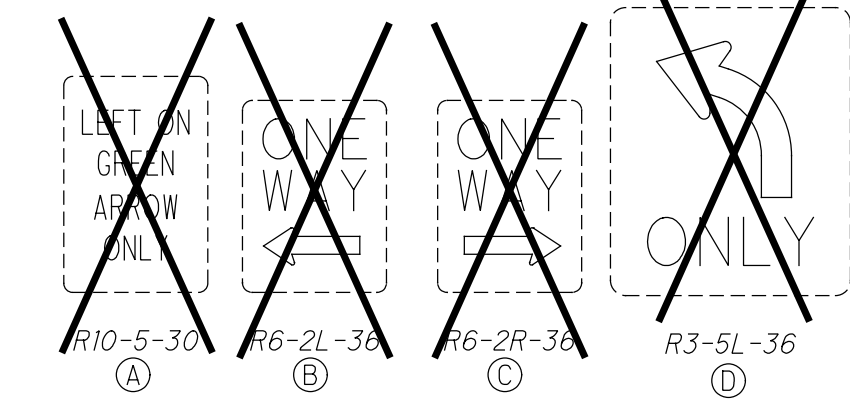
HEAD  
5, 6

EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (TO REMAIN)

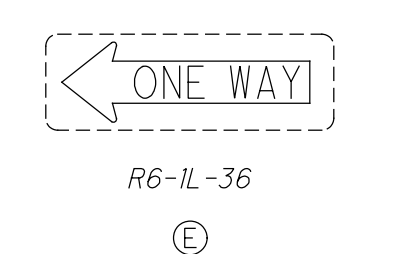


HEAD  
7, 8

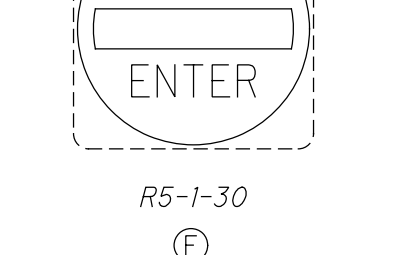
EXISTING OVERHEAD MOUNTED SIGN (REMOVE)



EXISTING POLE MOUNTED SIGN (RELOCATE)

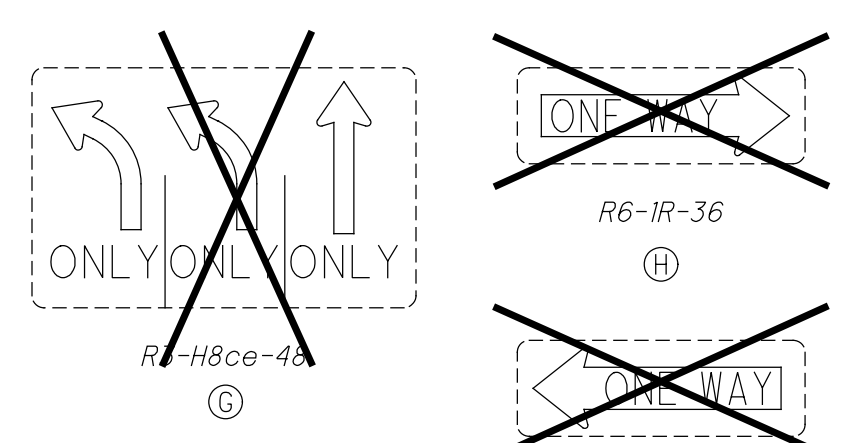


R6-1L-36  
E



R5-1-30  
E

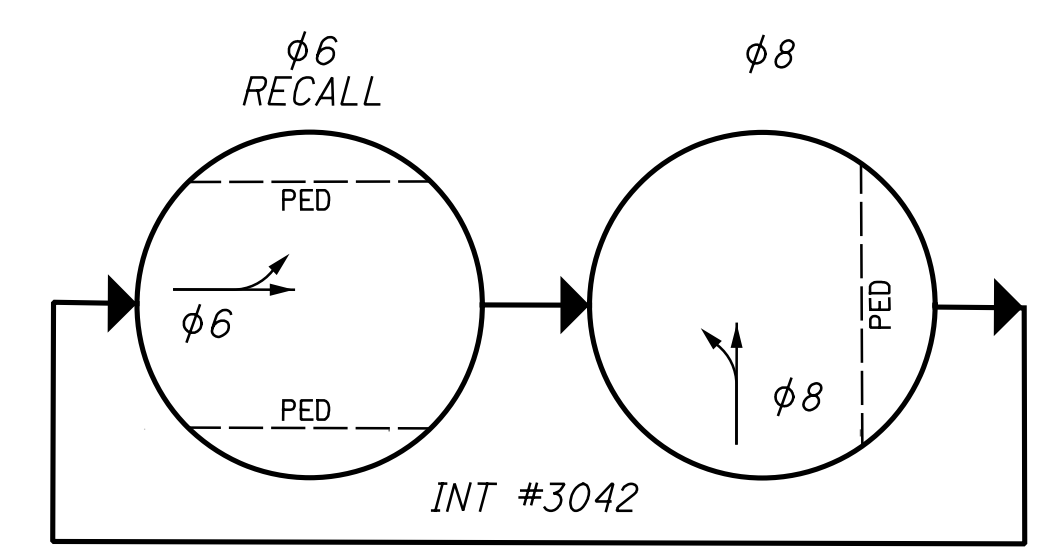
EXISTING POLE MOUNTED SIGN (REMOVE)



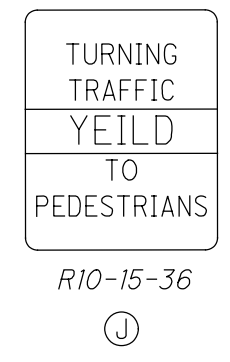
R6-1R-36  
H  
R6-1L-36  
I

**PHASING DIAGRAM**

— VEHICULAR MOVEMENT  
 - - - PEDESTRIAN MOVEMENT

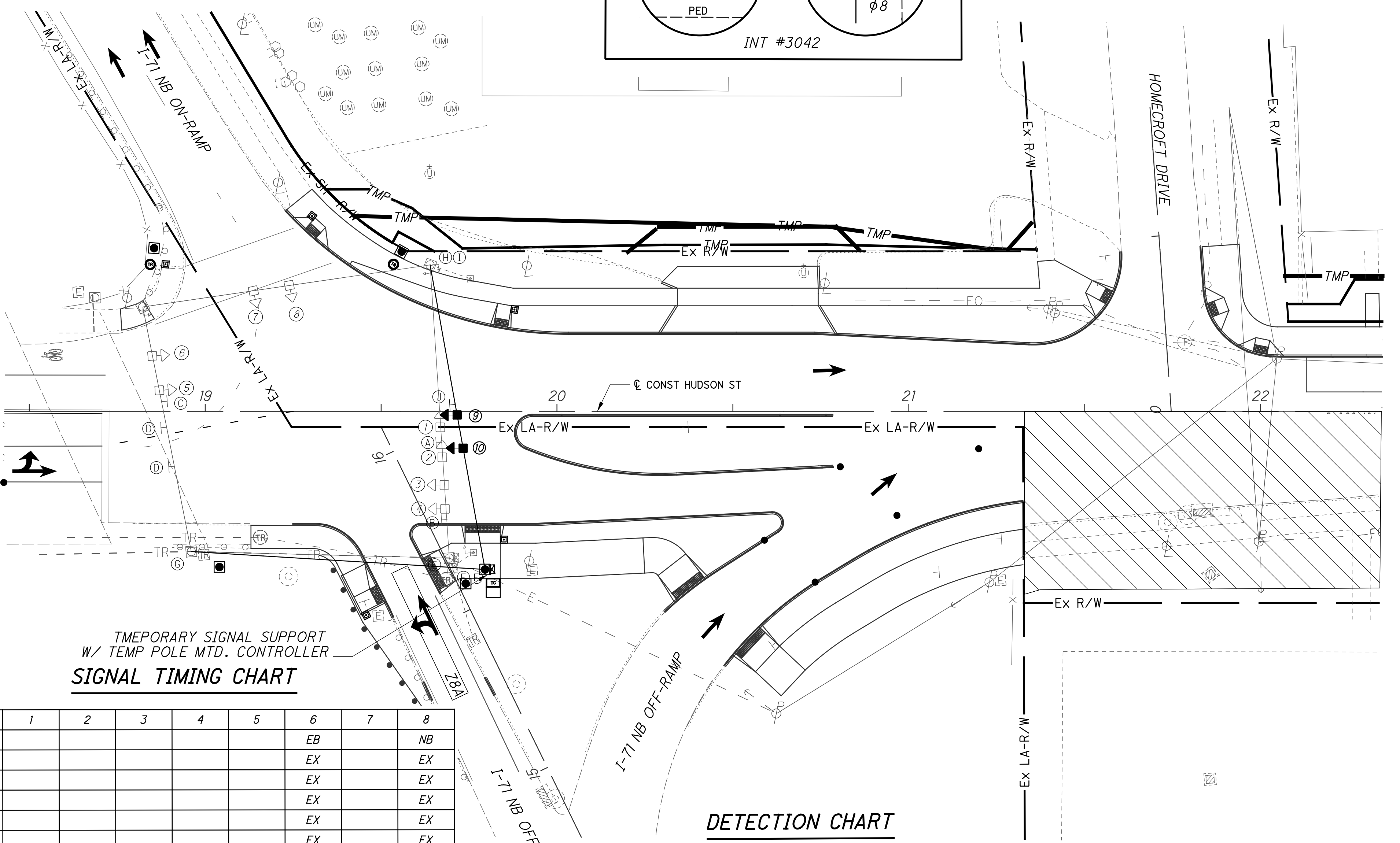


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    - 4:00 PM TO 6:00 PM, MONDAY THROUGH FRIDAY (3:30 PM 6:00 PM FOR THE DOWNTOWN BUSINESS DISTRICT)
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  - ANY UNUSED SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSHBUTTON, OR POLE OR SPAN/ARM MOUNTED SIGN SHALL BE COVERED AND DISCONNECTED. VEHICULAR SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS SHALL BE COVERED PER THE REQUIREMENTS OF CMSC 632.25.
  - VEHICULAR SIGNAL HEADS SHALL BE ALIGNED PER THE PLAN. NO TWO VEHICULAR SIGNAL HEADS SHALL BE LOCATED WITHIN EIGHT FEET OF ONE ANOTHER, MEASURED PERPENDICULAR TO THE TRAVEL LANE.
  - SIGNS SHALL BE ALIGNED PER THE PLANS. EXISTING SIGNS IN CONFLICT WITH THE PROPOSED TEMPORARY TRAFFIC CONTROL SETUP SHALL BE COVERED OR TEMPORARILY REMOVED.
  - WEATHERPROOF SPLICES MAY BE INTRODUCED INTO SIGNAL CABLE IN ORDER TO RELOCATE EXISTING VEHICULAR SIGNAL HEADS. NO SPLICES SHALL REMAIN IN THE CABLE WHEN THE SIGNAL HEADS ARE RETURNED TO THEIR ORIGINAL POSITION.
  - ALL EXISTING VEHICULAR DETECTION SHALL BE MAINTAINED AT ALL TIMES. LOOPS THAT CANNOT BE USED AS A RESULT OF LANE SHIFTS, LANE CLOSURES, ETC. SHALL BE DEACTIVATED DURING CONSTRUCTION. TEMPORARY RADAR OR VIDEO DETECTION SHALL BE USED TO MAINTAIN DETECTION WHEN AN EXISTING LOOP CANNOT BE USED. IF THE EXISTING DETECTION IS RADAR OR VIDEO, THE ZONES ON THE EXISTING RADAR OR VIDEO UNIT SHALL BE RELOCATED TO THE NEW LANE ALIGNMENT. WHEN TEMPORARY RADAR DETECTION IS USED, DILEMMA ZONE DETECTION SHALL BE PROVIDED FOR APPROACHES WITH SPEEDS GREATER THAN 40 MPH.
  - EXISTING PEDESTRIAN PUSHBUTTONS, PUSHBUTTON SIGNS, AND SIGNAL HEADS SHALL BE MAINTAINED FOR ALL CROSSWALKS THAT REMAIN OPEN DURING CONSTRUCTION. TEMPORARY PUSHBUTTONS AND SIGNS OR RELOCATED PUSHBUTTONS AND SIGNS SHALL BE POSITIONED ACCORDING TO THE CITY OF COLUMBUS ADA RULES AND REGULATIONS. RELOCATED PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED SUCH THAT THE HEAD IS AIMED AT THE CENTER OF THE CROSSWALK AREA (NOT THE CURB RAMP) THAT IS OPPOSITE THE UNIT. A MINIMUM OF ONE CROSSWALK TO CROSS EACH STREET AT A SIGNALIZED INTERSECTION SHALL BE MAINTAINED AT ALL TIMES. FOR SIGNALIZED INTERSECTIONS WITH THREE LEGS, THE CROSSWALK TO CROSS THE DEAD END STREET MAY BE CLOSED AS LONG AS A PEDESTRIAN PATH IS PROVIDED ALONG THE "TOP SIDE" OF THE INTERSECTION.
  - UNLESS NOTED IN THE PLANS, THE TRAFFIC SIGNAL SHALL UTILIZE THE EXISTING TIMING AND PHASING.
  - IF ANY CHANGES ARE MADE TO THE SIGNAL OPERATION INCLUDING PHASING CHANGES, PHASE OMISSIONS, TIMING CHANGES, ETC., SIGNAL OPERATION CHANGED SIGNS (W23-H2B) SHALL BE INSTALLED ON THE SPAN OR ARM FOR ALL DIRECTIONS. CENTER THE SIGN OVER THE APPROACH. SIGN SHALL BE LEFT IN PLACE NO LONGER THAN THE DURATION SPECIFIED UNDER ITEM 630 SIGNING, MISC.: TRAFFIC SIGNAL SIGNS.
  - TEMPORARY WOOD SIGNAL POLES SHALL BE SIZED AND THE TEMPORARY SIGNAL SPAN SHALL BE ADJUSTED SUCH THAT THE MINIMUM ROADWAY CLEARANCE TO THE BOTTOM OF THE LOWEST SIGNAL HEAD IS 16.5' MINIMUM AND THE HIGHEST SIGNAL HEAD IS 19' MAXIMUM.
  - WHEN TEMPORARY TRAFFIC SIGNAL CABINETS ARE USED, BASE MOUNTED CABINETS SHALL BE MOUNTED ON A STURDY FOUNDATION SECURE FROM ANIMALS AND WEATHER. POLE MOUNTED CABINETS SHALL BE POSITIONED TO PREVENT AN OVERHANG GREATER THAN 4 IN. INTO A PEDESTRIAN PATHWAY.
  - THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, COORDINATION, AND PAYING FOR POWER SERVICE AS NEEDED FOR THE MAINTENANCE OF TRAFFIC PHASES.
  - SIGNAL SHALL REMAIN CONNECTED TO THE CTSS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL INSTALL A TEMPORARY DROP CABLE OR RELOCATE THE EXISTING DROP CABLE TO THE TEMPORARY CABINET.
  - SEE PERMANENT SIGNAL PLANS FOR REMOVAL OF EXISTING SIGNAL ITEMS.



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**TEMPORARY OVERHEAD MOUNTED SIGN**



**TEMPORARY SIGNAL SUPPORT W/ TEMP POLE MTD. CONTROLLER**  
**SIGNAL TIMING CHART**

PHASE	1	2	3	4	5	6	7	8
DIRECTION						EB		NB
MOVEMENT						EX		EX
MIN INITIAL						EX		EX
WALK						EX		EX
PED CHG						EX		EX
PASS/ EXT						EX		EX
YELLOW						EX		EX
RED CLR						EX		EX
MAX GRN 1						EX		EX
MAX GRN 2						EX		EX
PED RECALL						EX		EX
VEH RECALL						EX		EX
MEMORY						EX		EX

EX = EXISTING TIMING SHALL BE TRANSFERRED TO TEMPORARY CONTROLLER.

**DETECTION CHART**

DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	DELAY DATA	
					DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z8A	1	phi 8	5' X 40'	X	0	phi 8

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SHEET NUMBER													ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
10	63	127	173	180-253													
																<b>ROADWAY</b>	
LS													201	LUMP	SUM	CLEARING AND GRUBBING	
		3556											202	3556	FT	PIPE REMOVED, 24" & UNDER	
		407											202	407	SF	CONCRETE MEDIAN REMOVED	
		23839											202	23839	SF	CONCRETE DRIVE REMOVED	
		1277											202	1277	SY	CONCRETE REMOVED	
		79626											202	79626	SF	WALK REMOVED	
		15741											202	15741	FT	CURB REMOVED	
		21											202	21	EA	MANHOLE REMOVED	
		22											202	22	EA	CURB INLET MANHOLE REMOVED	
		13											202	13	EA	CATCH BASIN OR INLET REMOVED	
		79											202	79	FT	GUARDRAIL REMOVED	
		147											202	147	FT	STEPS REMOVED	
		2083											202	2083	FT	FENCE REMOVED	
		2											202	2	EA	MAILBOX REMOVED & REINSTALLED	
		10											202	10	EA	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	
		10											202	10	EA	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	
		4											202	4	EA	REMOVAL MISC.: BRICK COLUMN	
		12											202	12	FT	REMOVAL MISC.: BRICK WALL	
		69											202	69	FT	REMOVAL MISC.: STONE WALL	
		7											202	7	EA	REMOVAL MISC.: STEEL GATE	
		240											202	240	FT	REMOVAL MISC.: CONCRETE BLOCK WALL	
		51											202	51	EA	REMOVAL MISC.: POST/BOLLARD	
		1											202	1	EA	REMOVAL MISC.: PAYPHONE	
		1											202	1	EA	REMOVAL MISC.: CLEANOUT	
		36											202	36	EA	REMOVAL MISC.: CONCRETE BUMPER BLOCK	
		10											202	10	EA	REMOVAL MISC.: PRIVATE LIGHT	
		5											202	5	EA	REMOVAL MISC.: UTILITY POLE	
				18143									203	18143	CY	EXCAVATION	
				647									203	647	CY	EMBANKMENT	
			75										606	75	FT	GUARDRAIL, TYPE MGS	
			195										607	195	FT	FENCE, TYPE CL, 6'	
			52490										608	52490	SF	4" CONCRETE WALK	
	3919												608	3919	SF	6" CONCRETE WALK	
	6018		1935										608	7953	SF	8" CONCRETE WALK	
			1772										608	1772	SF	DETECTABLE WARNING, TYPE E	
			123										608	123	EA	CURB RAMP	
			178										608	178	FT	CONCRETE STEPS	
			16168										609	16168	FT	CURB, STRAIGHT 18"	
			3805										609	3805	FT	CURB, AS PER PLAN	10 & 314
			1										SPEC	1	EA	MANHOLE CURB ENTRANCE	11
			2										SPEC	2	EA	BOLLARD	
			1										SPEC	1	EA	RELOCATE GUY WIRE	

**GENERAL SUMMARY**

**HUDSON ST**

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SHEET NUMBER													ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
10	64	68	173	174													
																<b>EROSION CONTROL</b>	
		204											207	204	EA	CURB INLET PROTECTION WITH GRATE	
		24											207	24	EA	CURB INLET PROTECTION WITHOUT GRATE	
		631											207	631	FT	STRAW WATTLES/COMPOST FILTER SOCKS	
		5											207	5	EA	CONCRETE WASHOUT	
		4											207	4	EA	TEMPORARY CONSTRUCTION ENTRANCE	
2													659	2	EA	SOIL ANALYSIS TEST	
1465													659	1465	CY	TOPSOIL	
1.84													659	1.84	TON	COMMERCIAL FERTILIZER	
2.72													659	2.72	ACRE	LIME	
13187													659	13187	SY	SEEDING AND MULCHING	
660													659	660	SY	REPAIR SEEDING AND MULCHING	
73													659	73	MGAL	WATER	
660													659	660	SY	INTER-SEEDING	
	LS												SPEC	LUMP	SUM	SILVA CELLS	64
																<b>DRAINAGE</b>	
				65									603	65	FT	18" CONDUIT, TYPE F	
				36									604	36	EA	MANHOLE, TYPE C	
				1									604	1	EA	MANHOLE, TYPE C, AS PER PLAN	65
				28									604	28	EA	MANHOLE 3	
				4									604	4	EA	MANHOLE 3, AS PER PLAN	65
			1										604	1	EA	SANITARY MANHOLE RECONSTRUCTED TO GRADE	
			5										604	5	EA	SANITARY MANHOLE ADJUSTED TO GRADE	
				3									604	3	EA	CURB INLET MANHOLE, AA-S121	
				122									604	122	EA	INLET, AA-S125A	
				67									604	67	EA	INLET, AA-S125B	
			15747										605	15747	FT	4" PIPE UNDERDRAIN	
				24									901	24	FT	8" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				3707									901	3707	FT	12" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				882									901	882	FT	15" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				670									901	670	FT	18" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				115									901	115	FT	24" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				166									901	166	FT	42" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				552									901	552	FT	48" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				189									901	189	FT	54" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				560									901	560	FT	60" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				139									901	139	FT	36" PIPE, 706.02 CLASS II, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				276									901	276	FT	42" PIPE, 706.02 CLASS II, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				312									901	312	FT	48" PIPE, 706.02 CLASS II, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				278									901	278	FT	54" PIPE, 706.02 CLASS II, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	
				566									901	566	FT	60" PIPE, 706.02 CLASS II, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	

**GENERAL SUMMARY**

**HUDSON ST**

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SHEET NUMBER												ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
59	63	174														
												<b>DRAINAGE (CONT'D)</b>				
		107										901	107	FT	12" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL, WITH TYPE A WATERTIGHT JOINTS PER 901.15	
		237										901	237	FT	15" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL, WITH TYPE A WATERTIGHT JOINTS PER 901.15	
		74										901	74	FT	36" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL, WITH TYPE A WATERTIGHT JOINTS PER 901.15	
		39										901	39	FT	42" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL, WITH TYPE A WATERTIGHT JOINTS PER 901.15	
		189										901	189	FT	48" PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL, WITH TYPE A WATERTIGHT JOINTS PER 901.15	
		9										910	9	FT	PLAIN CONCRETE ENCASEMENT OF 8" PIPE	
		2504										910	2504	FT	PLAIN CONCRETE ENCASEMENT OF 12" PIPE	
		411										910	411	FT	PLAIN CONCRETE ENCASEMENT OF 15" PIPE	
												<b>PAVEMENT</b>				
17												204	17	HR	PROOF ROLLING	
5850	3150											204	9000	SY	SUBGRADE COMPACTION	
32959												206	32959	SY	CEMENT STABILIZED SUBGRADE, 12" DEEP	
853												206	853	TON	CEMENT	
32959												206	32959	SY	CURING COAT	
485												254	485	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"	
55												259	55	CY	PERMANENT PAVEMENT REPLACEMENT, TYPE I	
	33											304	33	CY	4" AGGREGATE BASE	
6023												304	6023	CY	6" AGGREGATE BASE	
	2000											305	2000	CY	7" CONCRETE BASE	
3573	140											407	3713	GAL	TACK COAT	
1000												441	1000	CY	1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	
	96											441	96	CY	1.5" ASPHALT CONCRETE SURFACE COURSE, (TYPE 1), PG64-22	
1376												441	1376	CY	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2	
	97											441	97	CY	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, (TYPE 2), 448	
	21											441	21	CY	2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, (TYPE 2), 448	
	743											452	743	SY	6" NON-REINFORCED CONCRETE PAVEMENT	
253												452	253	SY	7" NON-REINFORCED CONCRETE PAVEMENT	
	2407											452	2407	SY	8" NON-REINFORCED CONCRETE PAVEMENT	
1974												452	1974	SY	11" NON-REINFORCED CONCRETE PAVEMENT	
371												SS-1530	371	CY	2.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
												<b>OPTION A: PORTLAND CEMENT CONCRETE BASE</b>				
28314												305	28314	SY	8" PORTLAND CEMENT CONCRETE BASE	
												<b>OPTION B: ROLLER COMPACTED CONCRETE BASE</b>				
28314												307	28314	SY	8" ROLLER COMPACTED CONCRETE BASE	

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**GENERAL SUMMARY**  
**HUDSON ST**  
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SHEET NUMBER												ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
393																
												<b>WATER MAIN (IR 71 TO LEXINGTON AVE)</b>				
												259	2	CY	DRIVEWAY REPLACEMENT, TYPE IIIA	
												608	50	SF	CONCRETE WALK (4")	
												615	2140	SY	TEMPORARY PAVEMENT	
												659	100	SY	SEEDING AND MULCHING	
												801	160	LF	6 INCH WATER PIPE AND FITTINGS	
												801	803	LF	8 INCH WATER PIPE AND FITTINGS	
												801	166	LF	16 INCH WATER PIPE AND FITTINGS	
												SPEC	3450	LF	24 INCH WATER PIPE AND FITTINGS	
												801*	150	CY	CONCRETE BACKING CLASS COC 6, INCREASE OR DECREASE	
												801*	3120	LB	DUCTILE IRON FITTINGS, INCREASE OR DECREASE	
												801*	6	EA	EXTRA FITTINGS, PCCP CONCRETE OR STEEL, COMPLETE IN PLACE	
												802	17	EA	6 INCH VALVE AND APPURTENANCES	
												802	26	EA	8 INCH VALVE AND APPURTENANCES	
												802	4	EA	16 INCH VALVE AND APPURTENANCES	
												802	7	EA	24 INCH BUTTERFLY VALVE AND APPURTENANCES	
												805	17	EA	3/4 INCH WATER SERVICE LINE TRANSFER, LONG	
												805	14	EA	3/4 INCH WATER SERVICE LINE TRANSFER, SHORT	
												805	6	EA	1 INCH WATER SERVICE LINE TRANSFER, LONG	
												805	8	EA	1 INCH WATER SERVICE LINE TRANSFER, SHORT	
												805	1	EA	1.5 INCH WATER SERVICE LINE TRANSFER, LONG	
												805	3	EA	1.5 INCH WATER SERVICE LINE TRANSFER, SHORT	
												805	2	EA	6 INCH WATER SERVICE LINE TRANSFER	
												805*	51	EA	CURB BOX	
												805*	2	EA	C.I. FERRULE VALVE BOX AND COVER	
												809	10	EA	FIRE HYDRANT	
												810*	2	EA	6 INCH HYDRANT EXTENSION	
												810*	2	EA	12 INCH HYDRANT EXTENSION	
												810*	2	EA	18 INCH HYDRANT EXTENSION	
												810*	2	EA	24 INCH HYDRANT EXTENSION	
												811*	100	CY	INCREASE OR DECREASE IN EXCAVATION AND BACKFILL	
												815*	35	CY	CRUSHED STONE OR GRAVEL	
												801	1	LS	CORROSION PROTECTION	
												SPEC	1	LS	CONTINUITY TESTING	
												SPEC	74	SY	HEAT WELDING	
												SPEC	20	EA	FLANGE ISOLATION KITS FOR DUCTILE IRON PIPE	
												SPEC	1	LS	ALLOWANCE FOR PASSIVE CATHODIC PROTECTION SYSTEM DESIGN AND INSTALLATION	
												SPEC	1	LS	ALLOWANCE FOR ADDITIONAL FLANGE ISOLATION KITS FOR STEEL OR CONCRETE PIPE	
												SPEC	1	LS	SURVEY COORDINATES	
												SPEC	6	EA	PROJECT IDENTIFICATION SIGNS	
												SPEC	100	SY	TEMPORARY SEEDING AND MULCHING	
												SPEC	1	LS	SEDIMENT & EROSION CONTROLS	
												SPEC	500	LF	VIDEO INSPECTION FOR SEWERS	
												* CONTINGENCY QUANTITY, IF AUTHORIZED				

**GENERAL SUMMARY**

**HUDSON ST**

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SHEET NUMBER												ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
393																
<b>WATER MAIN (LEXINGTON AVE TO CLEVELAND AVE)</b>																
												608	7	SF	CONCRETE WALK (4")	
												2048	2048	SY	TEMPORARY PAVEMENT	
												100	100	SY	SEEDING AND MULCHING	
												111	111	LF	6 INCH WATER PIPE AND FITTINGS	
												411	411	LF	8 INCH WATER PIPE AND FITTINGS	
												3605	3605	LF	16 INCH WATER PIPE AND FITTINGS	
												322	322	LF	24 INCH WATER PIPE AND FITTINGS	
												150	150	CY	CONCRETE BACKING CLASS COC 6, INCREASE OR DECREASE	
												3120	3120	LB	DUCTILE IRON FITTINGS, INCREASE OR DECREASE	
												6	6	EA	EXTRA FITTINGS, PCCP CONCRETE OR STEEL, COMPLETE IN PLACE	
												12	12	EA	6 INCH VALVE AND APPURTENANCES	
												13	13	EA	8 INCH VALVE AND APPURTENANCES	
												6	6	EA	16 INCH VALVE AND APPURTENANCES	
												2	2	EA	24 INCH BUTTERFLY VALVE AND APPURTENANCES	
												56	56	EA	3/4 INCH WATER SERVICE LINE TRANSFER, LONG	
												43	43	EA	3/4 INCH WATER SERVICE LINE TRANSFER, SHORT	
												8	8	EA	1 INCH WATER SERVICE LINE TRANSFER, LONG	
												4	4	EA	1 INCH WATER SERVICE LINE TRANSFER, SHORT	
												111	111	EA	CURB BOX	
												2	2	EA	C.I. FERRULE VALVE BOX AND COVER	
												11	11	EA	FIRE HYDRANT	
												2	2	EA	6 INCH HYDRANT EXTENSION	
												2	2	EA	12 INCH HYDRANT EXTENSION	
												2	2	EA	18 INCH HYDRANT EXTENSION	
												2	2	EA	24 INCH HYDRANT EXTENSION	
												100	100	CY	INCREASE OR DECREASE IN EXCAVATION AND BACKFILL	
												35	35	CY	CRUSHED STONE OR GRAVEL	
												1	1	LS	CORROSION PROTECTION	
												1	1	LS	CONTINUITY TESTING	
												39	39	SY	HEAT WELDING	
												3	3	EA	FLANGE ISOLATION KITS FOR DUCTILE IRON PIPE	
												1	1	LS	ALLOWANCE FOR PASSIVE CATHODIC PROTECTION SYSTEM DESIGN AND INSTALLATION	
												1	1	LS	ALLOWANCE FOR ADDITIONAL FLANGE ISOLATION KITS FOR STEEL OR CONCRETE PIPE	
												1	1	LS	SURVEY COORDINATES	
												6	6	EA	PROJECT IDENTIFICATION SIGNS	
												100	100	SY	TEMPORARY SEEDING AND MULCHING	
												1	1	LS	SEDIMENT & EROSION CONTROLS	
												500	500	LF	VIDEO INSPECTION FOR SEWERS	
* CONTINGENCY QUANTITY, IF AUTHORIZED																

**GENERAL SUMMARY**

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SHEET NUMBER												ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
397	407	424														
												<b>TRAFFIC CONTROL</b>				
	484.0											630	484.0	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
	362.0											630	362.0	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
	86											630	86	EA	SIGN SUPPORT ASSEMBLY	
	699.4											630	699.4	SF	SIGN, FLAT SHEET	
	17											630	17	EA	STREET NAME SIGN SUPPORT	
	150.0											630	150	SF	STREET NAME SIGN	
	87											630	87	EA	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
	102											630	102	EA	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	
	63											630	63	EA	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
	1											630	1	EA	REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY, AS PER PLAN	10
	1											630	1	EA	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DELIVERY, AS PER PLAN	10
	8											630	8	EA	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	
	7											630	7	EA	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL	
	1											632	1	EA	SIGNAL SUPPORT, TYPE 4120, DESIGN 4	
	1											632	1	EA	SIGNAL SUPPORT FOUNDATION	
0.05												644	0.05	MILE	LANE LINE, 5"	
0.39												644	0.39	MILE	CENTERLINE, SOLID DOUBLE YELLOW, 5"	
1037												644	1037	FT	CROSSWALK LINE, 10"	
720												644	720	FT	CHANNELIZING LINE, 10"	
0.08												644	0.08	MILE	EDGE LINE, YELLOW 5"	
57												644	57	FT	DASHED LINE, DOUBLE YELLOW, 5"	
56												644	56	FT	DASHED LINE, WHITE, 5"	
281												644	281	FT	TRANSVERSE/DIAGONAL LINE, YELLOW, 20"	
263												644	263	FT	STOP LINE, 20"	
86												644	86	EA	LANE ARROW	
1.98												644	1.98	MILE	CENTER LINE, TWLTL, 5"	
2												SPEC	2	EACH	BICYCLE DETECTOR PAVEMENT MARKING, AS PER PLAN	11
												<b>TRAFFIC SIGNALS</b>				
		5										614	5	EA	SPECIAL - WORK ZONE TRAFFIC SIGNAL	420
		49										625	49	EA	GROUND ROD	
		1537										625	1537	FT	NO. 4 AWG 600 VOLT DISTRIBUTION CABLE, AS PER PLAN	419
		3										625	3	EA	PULL BOX, 725.06, 12"X18" (TRAFFIC)	
		5										625	5	EA	PULL BOX, 27"	
		4										625	4	EA	PULL BOX, 32"	
		3										625	3	EA	PULL BOX, 48", TYPE I	
		592										625	592	FT	TRENCH, AS PER PLAN	420
		972										625	972	FT	CONDUIT, 2", 725.051	
		165										625	165	FT	CONDUIT, 3", 725.051	
		81										625	81	FT	CONDUIT, CONCRETE ENCASED, 2", 725.051	
		7										625	7	FT	TRENCH IN PAVED AREA, TYPE A, AS PER PLAN	420
		1										625	1	EA	BRACKET ARM, 30', AS PER PLAN	421
		12										630	12	EA	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN	420
		110										630	110	SF	SIGN, FLAT SHEET, AS PER PLAN	420
		108										630	108	SF	STREET NAME SIGN	
		5										630	5	EA	SIGNING, MISC.: TRAFFIC SIGNAL SIGNS	420

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**GENERAL SUMMARY**  
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SHEET NUMBER													ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
420	424	425	446														
													<b>TRAFFIC SIGNALS (CONT'D)</b>				
	29												632	29	EA	VEHICULAR SIGNAL HEAD, L.E.D., 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE	
	1												632	1	EA	VEHICULAR SIGNAL HEAD, L.E.D., 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE	
	28												632	28	EA	PEDESTRIAN SIGNAL HEAD	
	10												632	10	EA	PEDESTRIAN PUSHBUTTON	
	6												632	6	EA	SIGNALIZATION, MISC.: APS PUSHBUTTON STATION	420
	4												632	4	EA	SIGNALIZATION, MISC.: STOP LINE RADAR DETECTION SYSTEM	421
	16												632	16	EA	STRAIN POLE FOUNDATION	
	20												632	20	EA	PEDESTAL FOUNDATION	
	3												632	3	EA	STRAIN POLE, TYPE 4170, DESIGN 7	
	1												632	1	EA	STRAIN POLE, TYPE 4170, DESIGN 8	
	4												632	4	EA	STRAIN POLE, TYPE 4170, DESIGN 9	
	2												632	2	EA	STRAIN POLE, TYPE 4170, DESIGN 10	
	5												632	5	EA	STRAIN POLE, TYPE 4170, DESIGN 12	
	1												632	1	EA	COMBINATION STRAIN POLE, TYPE 4170, DESIGN 12	
	15												632	15	EA	PEDESTAL SUPPORT, 10.7', TRANSFORMER BASE	
	5												632	5	EA	PEDESTAL SUPPORT, 21', TRANSFORMER BASE	
	239												632	239	FT	MESSENGER WIRE, 7 STRAND, 3/8 INCH DIAMETER, WITH ACCESSORIES	
	632												632	632	FT	MESSENGER WIRE, 7 STRAND, 1/2 INCH DIAMETER, WITH ACCESSORIES	
	233												632	233	FT	MESSENGER WIRE, 7 STRAND, 7/16 INCH DIAMETER, WITH ACCESSORIES	
	120												632	120	FT	SIGNAL CABLE, 4 CONDUCTOR, NO. 14 AWG	
	3459												632	3459	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
	1462												632	1462	FT	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG	
	2438												632	2438	FT	LOOP DETECTOR LEAD-IN CABLE, IMSA 50-2	
	994												632	994	FT	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	
	35												632	35	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	
	4												632	4	EA	SIGNALIZATION, MISC.: POWER METER CABINET (TYPE I), BASE MOUNT, WITH FOUNDATION	421
	4												632	4	EA	POWER SERVICE, AS PER PLAN	421
	1104												632	1104	FT	TETHER WIRE, WITH ACCESSORIES	
	2												632	2	EA	SIGNALIZATION, MISC.: FOUNDATION PRE EXCAVATION	420
			10										632	10	EA	CONDUIT RISER, 2", SCH 80 (GRAY), 725.053	423
			30										632	30	EA	COVERING OF VEHICULAR SIGNAL HEAD	
			24										632	24	EA	COVERING OF PEDESTRIAN SIGNAL HEAD	
			16										632	16	EA	COVERING OF PEDESTRIAN PUSHBUTTON	
			4										632	4	EA	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	421
			2										632	2	EA	DETECTOR LOOP	
			LS										632	LUMP	SUM	SPECIAL - COORDINATION WITH POLICE CAMERA AND WIRELESS RADIO RELOCATION	420
			4										633	4	EA	CONTROLLER UNIT TS2/A2, W/ CABINET 16 CH, SIZE 6, GROUND MOUNTED, AS PER PLAN	422
			4										633	4	EA	CABINET FOUNDATION	
			4										633	4	EA	CONTROLLER WORK PAD	
													<b>INTERCONNECT</b>				
			16										625	16	EA	PULL BOX, 32"	
			7414										625	7414	FT	TRENCH, AS PER PLAN	420
			1										632	1	EA	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	445
			110										632	110	FT	MESSENGER WIRE, 7-STRAND, 0.25-INCH DIAMETER WITH ACCESSORIES, AS PER PLAN	444
			2										632	2	EA	CONDUIT RISER, 2", 725.04, MODIFIED, AS PER PLAN	423

**GENERAL SUMMARY**

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SHEET NUMBER													ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
12	37	446	460														
																<b>INTERCONNECT (CONT'D)</b>	
		7174											625	7174	FT	CONDUIT, MISC.: ENCASED INTERCONNECT CONDUIT DUCT BANK, 4-3" & 1-1.5", TC-2, SCH 40	444
		72											625	72	FT	CONDUIT, MISC.: ENCASED INTERCONNECT CONDUIT DUCT BANK, 4-3", 2-2" & 1-1.5", TC-2, SCH 40	444
		43											625	43	FT	CONDUIT, CONCRETE ENCASED, 2", 725.051	444
		39											625	39	FT	CONDUIT, CONCRETE ENCASED, 1.5", 725.051	444
		3											632	3	EA	INTERCONNECT, MISC.: FIBER OPTIC SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE	445
		80											632	80	FT	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	445
		140											632	140	FT	SIGNALIZATION, MISC.: DELASHING AND RELASHING OF CABLE	445
		LS											632	LUMP	SUM	REMOVAL OF MESSENGER WIRE AND DISPOSAL	
		LS											632	LUMP	SUM	REMOVAL OF CTSS 144-STRAND FIBER OPTIC CABLE AND DISPOSAL	
		2											633	2	EA	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	444
		1											633	1	EA	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	444
		3											633	3	EA	CONTROLLER ITEM, MISC.: REUSE LAYER 2 ETHERNET SWITCH	
		6											633	6	EA	CONTROLLER ITEM, MISC.: REUSE GBIC MODULE	
		3											633	3	EA	CONTROLLER ITEM, MISC.: REUSE TERMINATION PANEL, 24 FIBER	
		492											1620	492	EA	FIBER OPTIC FUSION SPLICE	
		286											1620	286	FT	MISC.: FIBER OPTIC CABLE, 24 STRAND	445
		7732											1620	7732	FT	MISC.: FIBER OPTIC CABLE, 144 STRAND	445
		2											1620	2	EA	MISC.: TERMINATION PANEL, 24 FIBER	445
																<b>LANDSCAPING</b>	
			19										661	19	EACH	PLATANUS X ACERIFOLIA 'MORTON CIRCLE' TM / EXCLAMATION! LONDON PLANE TREE, 2.5" CAL.	
			13										661	13	EACH	TILIA CORDATA 'CORZAM' TM / CORINTHIAN LITTLELEAF LINDEN, 2.5" CAL.	
			20										661	20	EACH	ULMUS X 'PRINCETON' / PRINCETON ELM, 2.5" CAL.	
			21										661	21	EACH	ZELKOVA SERRATA 'GREEN VASE' / GREEN VASE SAWLEAF ZELKOVA, 2.5" CAL.	
																<b>MAINTENANCE OF TRAFFIC</b>	
120													614	120	HR	LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS PER PLAN	12
120													614	120	HR	LAW ENFORCEMENT OFFICER WITHOUT PATROL CAR, AS PER PLAN	12
	1.29												614	1.29	MILE	WORK ZONE CENTER LINE, CLASS I	
	561												614	561	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
	240												614	240	FT	WORK ZONE DOTTED LINE, CLASS I	
	243												614	243	FT	WORK ZONE STOP LINE, CLASS I	
	926												614	926	FT	WORK ZONE CROSSWALK LINE, CLASS I	
	13												614	13	EACH	WORK ZONE ARROW, CLASS I	
	5												614	5	EACH	WORK ZONE PAVEMENT MARKINGS (SHARROW), CLASS I	
																<b>INCIDENTALS</b>	
													108.03	LUMP	SUM	TYPE B CPM PROGRESS SCHEDULE	
													614	LUMP	SUM	MAINTAINING TRAFFIC	
													619	16	MON	FIELD OFFICE, TYPE A	
													623	LUMP	SUM	CONSTRUCTION LAYOUT STAKES	
													624	LUMP	SUM	MOBILIZATION	
													SPEC	2	EA	PROJECT IDENTIFICATION BOND SIGNS	

**GENERAL SUMMARY**

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**PAVEMENT REPAIR, TYPE I AREA:** FOR ITEM 259  
IR 71 NB RAMP (RAMP B)

STA 15+25.25 TO STA 15+37.01	=	CAD MEASURED	=	87.50 SF
		SUBTOTAL	=	87.50 SF
<b>HOMECROFT DR</b>				
STA 10+54.16 TO STA 10+58.26	=	CAD MEASURED	=	6.98 SF
		SUBTOTAL	=	6.98 SF
<b>AUDUBON RD</b>				
STA 10+41.00 TO STA 10+56.19	=	CAD MEASURED	=	35.41 SF
		SUBTOTAL	=	35.41 SF
<b>OSCEOLA AVE</b>				
STA 10+58.00 TO STA 10+71.25	=	CAD MEASURED	=	30.81 SF
		SUBTOTAL	=	30.81 SF
<b>PONTIAC ST</b>				
STA 9+35.00 TO STA 9+46.64	=	CAD MEASURED	=	31.00 SF
STA 10+54.64 TO STA 10+70.39	=	CAD MEASURED	=	80.34 SF
		SUBTOTAL	=	111.34 SF
<b>VELMA AVE</b>				
STA 9+26.82 TO STA 9+45.00	=	CAD MEASURED	=	37.24 SF
		SUBTOTAL	=	37.24 SF
<b>HIAWATHA PARK DR</b>				
STA 9+42.93 TO STA 9+57.90	=	CAD MEASURED	=	38.82 SF
		SUBTOTAL	=	38.82 SF
<b>HIAWATHA ST</b>				
STA 10+45.89 TO STA 10+62.97	=	CAD MEASURED	=	58.78 SF
		SUBTOTAL	=	58.78 SF
<b>ATWOOD TERRACE</b>				
STA 9+42.15 TO STA 9+56.00	=	CAD MEASURED	=	60.24 SF
		SUBTOTAL	=	60.24 SF
<b>HOWEY RD</b>				
STA 9+41.00 TO STA 9+51.81	=	CAD MEASURED	=	25.47 SF
		SUBTOTAL	=	25.47 SF
<b>JEFFERSON AVE</b>				
STA 9+38.00 TO STA 9+58.00	=	CAD MEASURED	=	51.99 SF
		SUBTOTAL	=	51.99 SF
<b>GERBERT RD</b>				
STA 9+30.00 TO STA 9+41.50	=	CAD MEASURED	=	24.20 SF
		SUBTOTAL	=	24.20 SF
<b>ONTARIO ST</b>				
STA 9+33.00 TO STA 9+48.50	=	CAD MEASURED	=	32.90 SF
		SUBTOTAL	=	32.90 SF
<b>HOMESTEAD DR</b>				
STA 9+35.36 TO STA 9+38.00	=	2.64 x 3.00	=	7.92 SF
		SUBTOTAL	=	7.92 SF
<b>MEDINA AVE</b>				
STA 9+35.14 TO STA 9+49.00	=	CAD MEASURED	=	28.82 SF
		SUBTOTAL	=	28.82 SF
<b>HUDSON ST</b>				
STA 92+13.00 TO STA 92+65.67	=	CAD MEASURED	=	352.91 SF
		SUBTOTAL	=	352.91 SF
		TOTAL	=	991.33 SF

**RESURFACING AREA:** FOR ITEMS 254, 407, 441 (SURFACE COURSE)  
IR 71 NB RAMP (RAMP B)

STA 15+25.25 TO STA 15+57.95	=	32.70 x 15.73	=	514.37 SF
		SUBTOTAL	=	514.37 SF
<b>AUDUBON RD</b>				
STA 10+41.00 TO STA 10+56.19	=	15.19 x 9.55	=	145.06 SF
		SUBTOTAL	=	145.06 SF
<b>OSCEOLA AVE</b>				
STA 10+58.00 TO STA 10+71.25	=	13.25 x 14.60	=	193.45 SF
		SUBTOTAL	=	193.45 SF
<b>PONTIAC ST</b>				
STA 9+35.00 TO STA 9+46.64	=	11.64 x 29.20	=	339.89 SF
STA 10+54.64 TO STA 10+74.04	=	19.40 x 30.18	=	585.49 SF
		SUBTOTAL	=	925.38 SF
<b>VELMA AVE</b>				
STA 9+26.82 TO STA 9+45.00	=	18.18 x 23.59	=	428.87 SF
		SUBTOTAL	=	428.87 SF
<b>HIAWATHA PARK DR</b>				
STA 9+42.93 TO STA 9+57.90	=	14.97 x 15.91	=	238.17 SF
		SUBTOTAL	=	238.17 SF
<b>HIAWATHA ST</b>				
STA 10+42.35 TO STA 10+45.89	=	3.54 x 2.00	=	7.08 SF
STA 10+45.89 TO STA 10+62.97	=	17.08 x 31.94	=	545.54 SF
		SUBTOTAL	=	545.54 SF
<b>ATWOOD TERRACE</b>				
STA 9+42.15 TO STA 9+56.00	=	13.85 x 12.29	=	170.22 SF
		SUBTOTAL	=	170.22 SF
<b>HOWEY RD</b>				
STA 9+41.00 TO STA 9+51.81	=	10.81 x 13.31	=	143.88 SF
		SUBTOTAL	=	143.88 SF
<b>JEFFERSON AVE</b>				
STA 9+38.00 TO STA 9+58.00	=	20.00 x 26.72	=	534.40 SF
		SUBTOTAL	=	534.40 SF
<b>GERBERT RD</b>				
STA 9+30.00 TO STA 9+41.50	=	11.50 x 13.04	=	149.96 SF
		SUBTOTAL	=	149.96 SF
<b>ONTARIO ST</b>				
STA 9+33.00 TO STA 9+48.50	=	15.50 x 13.17	=	204.14 SF
		SUBTOTAL	=	204.14 SF
<b>MEDINA AVE</b>				
STA 9+35.14 TO STA 9+49.00	=	13.86 x 12.23	=	169.51 SF
		SUBTOTAL	=	169.51 SF
		TOTAL	=	4362.95 SF

**ITEM 204 - PROOF ROLLING**

	=	17.00
	TOTAL	= 17.00 HR
<b>ITEM 204 - SUBGRADE COMPACTION</b>		
= 52652.34 / 9	=	5850.26 SY
	TOTAL	= 5850.26 SY
<b>ITEM 208 - CEMENT STABILIZED SUBGRADE, 12" DEEP</b>		
= 296628.08 / 9	=	32958.68 SY
	TOTAL	= 32958.68 SY
<b>ITEM 208 - CEMENT</b>		
= 32958.68 x 0.75 x 12 x 115 x 0.05 / 2000	=	852.81 TON
	TOTAL	= 852.81 TON
<b>ITEM 208 - CURING COAT</b>		
= 296628.08 / 9	=	32958.68 SY
	TOTAL	= 32958.68 SY
<b>ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"</b>		
= 4362.95 / 9	=	484.77 SY
	TOTAL	= 484.77 SY
<b>ITEM 259 - PERMANENT PAVEMENT REPLACEMENT, TYPE I</b>		
= 991.33 x 1.5 / 27	=	55.07 CY
	TOTAL	= 55.07 CY
<b>ITEM 304 - 6" AGGREGATE BASE</b>		
= 254826.66 x 6 / 12 / 27	=	4719.01 CY
= 17764.00 x 6 / 12 / 27	=	328.96 CY
= 52652.34 x 6 / 12 / 27	=	975.04 CY
	TOTAL	= 6023.02 CY
<b>ITEM 305 - 8" PORTLAND CEMENT CONCRETE BASE (OPTION A)</b>		
= 254826.66 / 9	=	28314.07 SY
	TOTAL	= 28314.07 SY
<b>ITEM 307 - 8" ROLLER COMPACTED CONCRETE BASE (OPTION B)</b>		
= 254826.66 / 9	=	28314.07 SY
	TOTAL	= 28314.07 SY
<b>ITEM 407 - TACK COAT</b>		
= 254826.66 / 9 x 0.055	=	1557.27 CY
= 254826.66 / 9 x 0.07	=	1981.99 CY
= 4362.95 / 9 x 0.07	=	33.93 CY
	TOTAL	= 3573.19 CY
<b>ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M</b>		
= 254826.66 x 1.25 / 12 / 27	=	983.13 CY
= 4362.95 x 1.25 / 12 / 27	=	16.83 CY
	TOTAL	= 999.96 CY
<b>ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2</b>		
= 254826.66 x 1.75 / 12 / 27	=	1376.38 CY
	TOTAL	= 1376.38 CY
<b>ITEM 452 - 7" NON-REINFORCED CONCRETE PAVEMENT</b>		
= 2277.25 / 9	=	253.03 SY
	TOTAL	= 253.03 SY
<b>ITEM 452 - 11" NON-REINFORCED CONCRETE PAVEMENT</b>		
= 17764.00 / 9	=	1973.78 SY
	TOTAL	= 1973.78 SY
<b>ITEM SS-1530 - 2.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22</b>		
= 48088.48 x 2.5 / 12 / 27	=	371.05 CY
	TOTAL	= 371.05 CY

SHEET NO.	STREET	STATION	SIDE	DRIVE TYPE	APRON AREA (CAD GENERATED)	WALK / SUP AREA (CAD GENERATED)	DRIVE AREA (CAD GENERATED)	204	304	305	407	441	441	441	452	452	608	608									
					SF	SF	SF	SY	CY	SY	GAL	CY	CY	CY	SY	SY	SF	SF									
128	HUDSON	20+54	LT	(COM) ASPH	335.32	250.00	260.83	37		29	2.03	1.21	1.41			37		250									
128	HUDSON	22+78	RT	(COM) ASPH	387.23	381.37	312.87	85		35	2.43	1.45	1.69			85											
131	HUDSON	23+05	LT	(COM) ASPH	85.42	174.58	615.37	9		68	4.79	2.85	3.32			9		175									
131	HUDSON	24+29	RT	(COM) ASPH	386.64	380.59	410.74	85		46	3.19	1.90	2.22			85											
131	HUDSON	24+64	LT	(COM) ASPH	135.42	254.58	125.00	15		14	0.97	0.58	0.68			15		255									
131	HUDSON	26+99	LT	(COM) CONC	117.25	200.00	38.80	17								17		200									
131	HUDSON	27+32	RT	(COM) ASPH	574.05	630.47	452.08	134		50	3.52	2.09	2.44			134											
134	HUDSON	28+16	LT	(COM) ASPH	117.30	200.00	321.05	13		36	2.50	1.49	1.73			13		200									
134	HUDSON	28+82	RT	(COM) ASPH	348.90	330.38	94.38	75		10	0.73	0.44	0.51			75											
134	HUDSON	28+98	LT	(COM) ASPH	62.50	132.50	114.94	7		13	0.89	0.53	0.62			7		133									
134	HUDSON	29+92	RT	(COM) CONC	260.16	300.00	242.57	89								89											
134	HUDSON	30+83	LT	(COM) ASPH	82.25	150.00	526.54	9		59	4.10	2.44	2.84			9		150									
134	PONTIAC	10+59	RT	(COM) ASPH	213.51	0.00	0.00	24		0	0.00	0.00	0.00			24		0									
137	HUDSON	33+36	RT	(COM) ASPH	185.16	200.00	127.80	43		14	0.99	0.59	0.69			43											
137	HUDSON	33+78	LT	(COM) ASPH	82.25	150.00	225.00	9		25	1.75	1.04	1.22			9		150									
137	HUDSON	34+29	LT	(COM) ASPH	82.25	150.00	432.21	9		48	3.36	2.00	2.33			9		150									
137	VELMA	9+45 TO 9+61	RT	(COM) ASPH	0.00	0.00	31.40	0		3	0.24	0.15	0.17			0		0									
137	HUDSON	34+70	LT	(COM) ASPH	82.25	150.00	169.86	9		19	1.32	0.79	0.92			9		150									
137	AZELDA	10+55	RT	(COM) ASPH	64.69	132.95	289.79	7		32	2.25	1.34	1.57			7		133									
137	HUDSON	35+74	RT	(COM) ASPH	185.16	200.00	128.18	43		14	1.00	0.59	0.69			43											
137	HUDSON	36+43	LT	(COM) ASPH	82.25	150.00	586.55	9		65	4.56	2.72	3.17			9		150									
137	HUDSON	36+88	RT	(COM) ASPH	260.16	300.00	261.37	62		29	2.03	1.21	1.41			62											
137	HUDSON	37+45	LT	(COM) ASPH	82.25	198.91	298.76	9		33	2.32	1.38	1.61			9		199									
140	HUDSON	39+13	RT	(COM) ASPH	135.21	253.21	110.06	43		12	0.86	0.51	0.59			43											
140	HUDSON	39+53	LT	(RES) ASPH	37.50	92.50	123.38	4	1.52			0.57		0.95	4		93										
140	HUDSON	40+23	LT	(COM) ASPH	87.50	172.50	420.27	10		47	3.27	1.95	2.27			10		173									
140	HUDSON	40+89	LT	(COM) ASPH	87.50	172.50	383.31	10		43	2.98	1.77	2.07			10		173									
140	ATWOOD	10+58	LT	(COM) ASPH	288.93	0.00	0.00	32		0	0.00	0.00	0.00			32		0									
140	HUDSON	41+96	RT	(COM) ASPH	135.21	200.00	96.30	37		11	0.75	0.45	0.52			37											
140	HUDSON	42+25	LT	(COM) ASPH	62.50	132.50	413.25	7		46	3.21	1.91	2.23			7		133									
140	HUDSON	42+82	RT	(COM) ASPH	135.30	200.00	166.82	37		19	1.30	0.77	0.90			37											
140	HUDSON	42+93	LT	(COM) ASPH	62.61	132.39	365.27	7		41	2.84	1.69	1.97			7		132									
143	HUDSON	43+71	LT	(COM) ASPH	82.50	164.50	212.52	9		24	1.65	0.98	1.15			9		165									
143	HUDSON	44+36	LT	(COM) ASPH	62.17	132.83	215.29	7		24	1.67	1.00	1.16			7		133									
143	HUDSON	44+82	RT	(COM) ASPH	185.16	200.00	111.02	43		12	0.86	0.51	0.60			43											
143	HUDSON	45+29	LT	(COM) ASPH	82.20	150.00	169.33	9		19	1.32	0.78	0.91			9		150									
143	HUDSON	45+43	RT	(COM) ASPH	185.16	200.00	108.31	43		12	0.84	0.50	0.59			43											
143	HUDSON	46+52	LT	(COM) ASPH	82.25	150.00	44.91	9		5	0.35	0.21	0.24			9		150									
143	HUDSON	47+19	LT	(COM) ASPH	82.25	170.00	74.02	9		8	0.58	0.34	0.40			9		170									
<b>TOTALS CARRIED TO SHEET 63</b>								<b>1115</b>	<b>1.52</b>	<b>965</b>	<b>67.45</b>	<b>40.73</b>	<b>46.84</b>	<b>0.95</b>	<b>4</b>	<b>1111</b>	<b>93</b>	<b>3674</b>									

CALCULATED  
JRS  
CHECKED  
MWR

**PAVEMENT CALCULATIONS (DRIVEWAYS)**

**HUDSON ST**

60  
535

**3575 - E**







ITEM SPECIAL - SILVA CELLS

REFERENCE MANUFACTURER'S SPECIFICATIONS FOR MATERIALS AND INSTALLATION SPECIFICATIONS AND REQUIREMENTS. SPECIFICATIONS CAN BE FOUND ON-LINE AT [HTTP://WWW.DEEAPRO.COM/PRODUCTS/SILVA-CELL/RESOURCES.HTML](http://www.deeapro.com/products/silva-cell/resources.html)

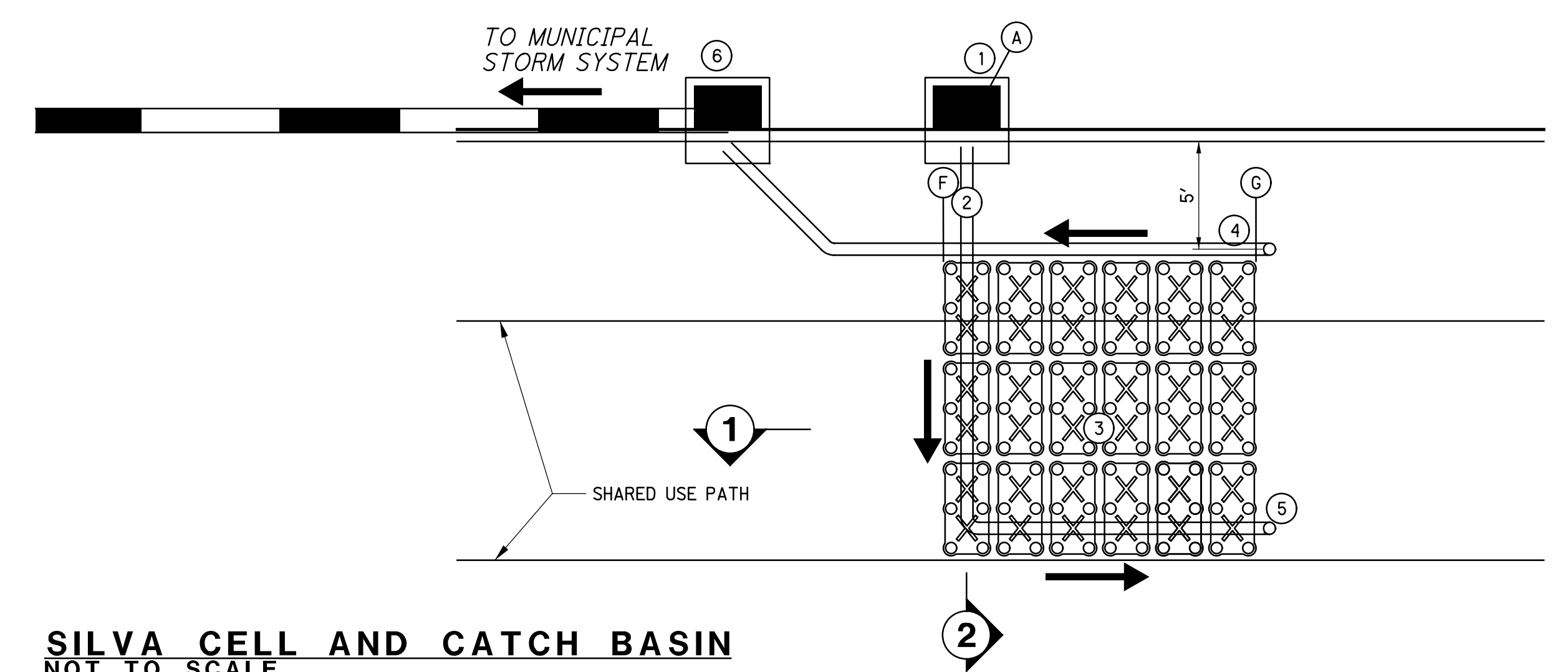
THE SILVA CELL SYSTEM IS DESIGNED TO SUPPORT AASHTO H-20 LOADING. THE SILVA CELL SYSTEM DOES NOT FULLY MEET H-20 LOADING UNTIL THE FINAL PAVING IS INSTALLED. NO EQUIPMENT SHALL BE USED ON TOP OF THE SILVA CELL SYSTEM UNTIL PAVING INSTALLATION HAS BEEN COMPLETED.

THE CONTRACTOR SHALL INSTALL A COMPLETE SILVA CELL SYSTEM MOCK UP AT ONE OF THE PROPOSED LOCATIONS OF INSTALLATION. THE MOCK UP SHALL BE REVIEWED, INSPECTED, AND APPROVED IN TWO PARTS BY THE CITY OF COLUMBUS DIVISION OF SEWERAGE AND DRAINAGE PRIOR TO PROCEEDING WITH THE REMAINDER OF THE INSTALLATIONS. THE FIRST MOCK UP SHALL TAKE PLACE PRIOR TO PLACEMENT OF SOIL MIX, AND SHALL INCLUDE COMPLETE EXCAVATION WITH SUB-BASE COMPACTION, BASE COURSE AGGREGATE AND GEOTEXTILE AS REQUIRED, GEOGRIDS, AND SILVA CELL FRAMES.

UPON REVIEW, INSPECTION, AND APPROVAL OF FIRST MOCKUP, THE CONTRACTOR SHALL CONTINUE WITH INSTALLATION AND PLACE AND COMPACT THE SOIL MIX, PLACE AND COMPACT BACKFILL AROUND PERIMETER, ATTACH DECKS TO FRAMES, PLACE TOP GEOTEXTILE, AND ALL NECESSARY ACCESSORIES. THE COMPLETED MOCK UP SHALL BE REVIEWED AND INSPECTED. THE APPROVED MOCK UP MAY REMAIN AS PART OF THE INSTALLED WORK AT THE END OF THE PROJECT PROVIDED THAT IT REMAINS IN GOOD CONDITION AND MEETS ALL THE CONDITIONS OF THE SPECIFICATIONS.

THE CONTRACTOR SHALL CONTRACT WITH AN INDEPENDENT TESTING LABORATORY LICENSED IN THE STATE OF OHIO TO PROVIDE COMPACTION TESTING OF THE SOILS. SOILS SHALL BE COMPACTED TO A MINIMUM 85% STANDARD PROCTOR AS DEFINED BY ASTM D-5856, BUT NO MORE THAN 90% STANDARD PROCTOR. A MINIMUM OF ONE COMPACTION TEST SHALL BE PROVIDED FOR EACH GROUPING OF SILVA CELL INSTALLED AT EACH STREET TREE AS INDICATED ON PLANS. CONTRACTOR SHALL SUBMIT THE RESULTS OF ALL COMPACTION TESTS INCLUDING THE BULK DENSITY TEST OF THE MOCK UP AND INSTALLED SOIL TO THE CITY OF COLUMBUS FOR APPROVAL.

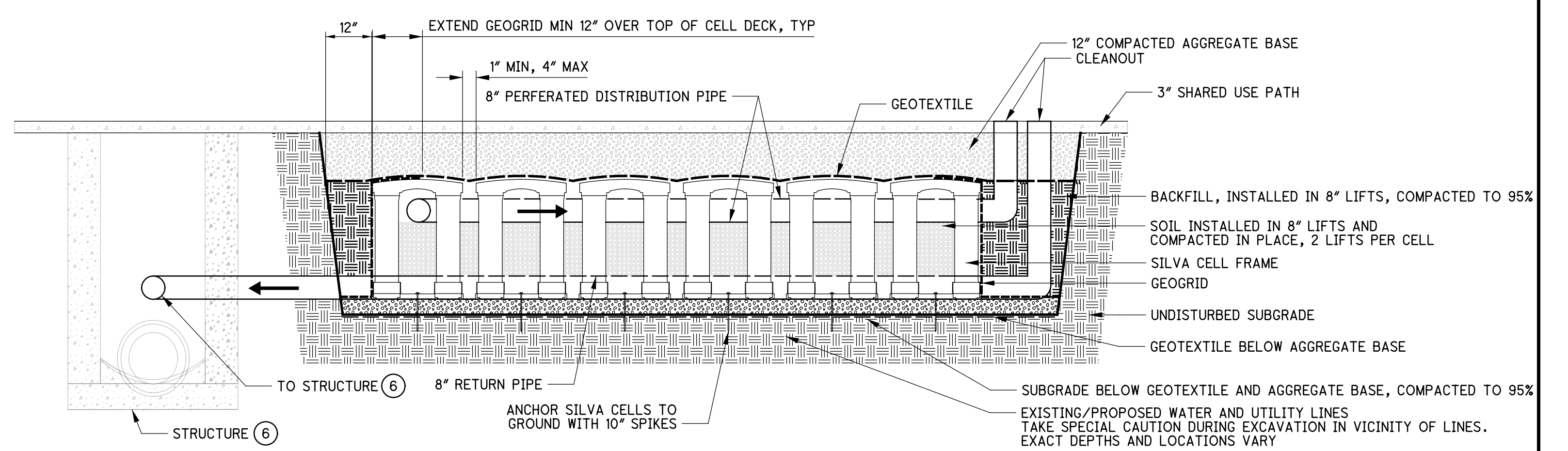
THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE ALL WORK IDENTIFIED ABOVE. PAYMENT FOR ALL ITEMS OF WORK, INCLUDING FURNISHING AND INSTALLING SILVA CELLS AND ALL APPURTENANCES INCLUDING BUT NOT LIMITED TO EXCAVATION TO PROPOSED FINISH SUBGRADE, SUBGRADE COMPACTION, AGGREGATE BASE ABOVE AND BELOW SILVA CELL, UNDERDRAIN, GEOGRID, GEOTEXTILE, COMPACTED BACKFILL, 10" ANCHOR STAKES, AND SILVA CELLS FRAMES AND DECKS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, COMPLETION OF MOCK UP, AND INDEPENDENT TESTING, SHALL BE INCLUDED WITHIN THE UNIT BID COST OF ITEM SPECIAL - SILVA CELL.



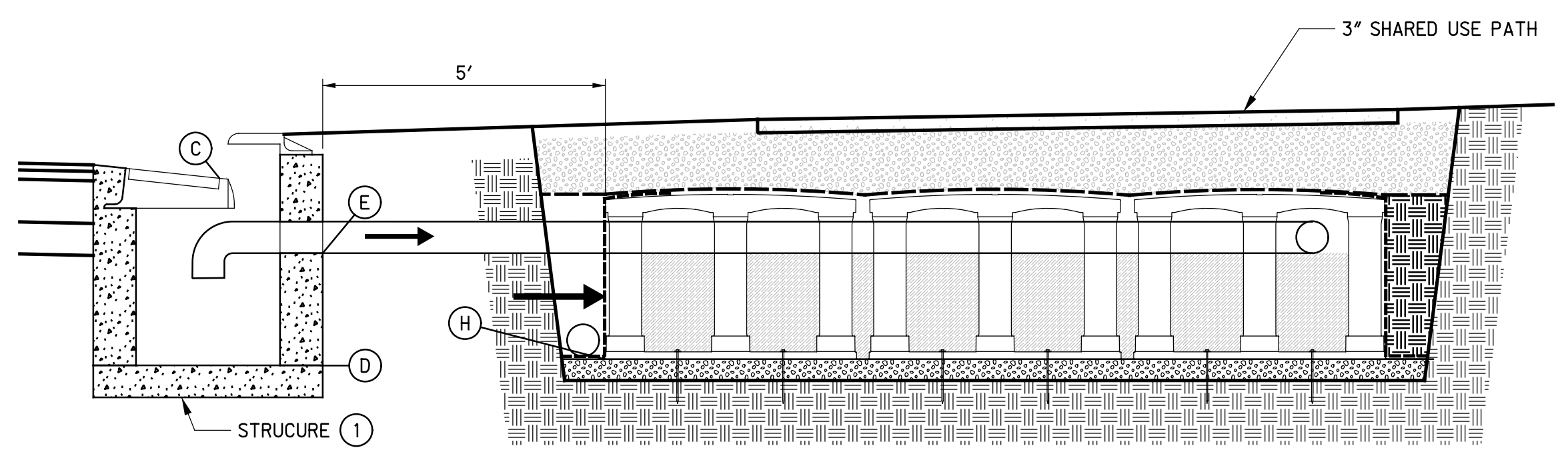
SILVA CELL AND CATCH BASIN  
 NOT TO SCALE

- KEY PLAN
- STORMWATER ENTERS THE SILVA CELL SYSTEM THROUGH A CATCH BASIN
  - WATER IS DISTRIBUTED THROUGH THE SILVA CELL SYSTEM THROUGH PERFORATED PIPES
  - WATER THEN MOVES THROUGH THE PLANTING SOIL HOUSED WITHIN THE SILVA CELL SYSTEM
  - EXCESS WATER IS COLLECTED IN A PERFORATED DRAIN PIPE AND IS DIRECTED TOWARD A DOWNSTREAM CATCH BASIN
  - CLEANOUT
  - WATER COLLECTED IN THE COLLECTION PIPE IS DIRECTED TO THE MUNICIPAL STORM SYSTEM

STRUCTURE NO	INLET STRUCTURE					SLIVA CELL (2X CONFIGURATION)			
	STATION	OFFSET	TOP OF CASTING	BOTTOM OF CASTING	6" OUTLET ELEV	NUMBER OF CELLS	BEGIN STATION	END STATION	CELL BASE ELEV
	(A)	(A)	(C)	(D)	(E)		(F)	(G)	(H)
838	22+35.00	20.20' RT	849.53	846.36	848.36	18	22+33	22+48	846.53
848	23+85.00	15.50' RT	850.14	846.94	848.94	17	23+83	23+98	847.11
851	25+00.00	15.50' RT	850.66	847.51	849.51	20	24+98	25+15	847.68
744	28+30.00	15.50' RT	850.86	847.64	849.64	21	28+17	28+34	847.81
723	30+55.00	15.50' RT	849.64	846.43	848.43	17	30+44	30+59	846.60
738	31+85.00	15.50' RT	849.77	846.57	848.57	16	31+83	31+98	846.74
614	35+15.00	15.50' RT	851.34	848.15	850.15	12	35+13	35+23	848.32
629	37+20.00	15.50' RT	852.44	849.24	851.24	11	37+18	37+28	849.41
513	38+70.00	15.50' RT	853.19	849.97	851.97	17	38+64	38+78	850.14
522	39+65.00	15.50' RT	853.66	850.40	852.40	20	39+50	39+67	850.57
557	43+10.00	15.50' RT	855.39	852.00	854.19	15	43+08	43+27	852.36
582	45+10.00	15.50' RT	856.39	853.19	855.19	18	45+08	45+23	853.36
599	48+70.00	15.50' RT	858.19	854.99	856.99	22	48+68	48+87	855.16
419	51+65.00	15.50' RT	857.30	854.02	856.02	22	51+63	51+82	854.19
407A	52+60.00	15.50' RT	856.78	853.52	855.52	16	52+58	52+73	853.89
427	54+60.00	15.50' RT	856.38	853.18	855.18	16	54+58	54+73	853.35
433	56+15.00	15.50' RT	857.16	853.96	855.96	11	56+13	56+28	854.13
448	58+00.00	15.50' RT	858.08	854.88	856.88	21	57+98	58+24	855.05
453	59+26.00	15.50' RT	858.71	855.52	857.52	14	59+25	59+41	855.69
458	60+87.00	15.50' RT	859.52	856.32	858.32	9	60+85	60+97	856.49
483	64+46.00	15.50' RT	860.30	857.10	859.10	30	64+44	64+72	857.27
243	66+74.00	15.50' RT	861.67	858.46	860.46	18	66+72	66+87	858.63
267	71+60.00	15.50' RT	863.09	859.89	861.89	14	71+58	71+70	860.06
187	74+00.00	15.50' RT	863.24	860.04	862.04	18	73+87	74+02	860.21
166	78+00.00	15.50' RT	861.24	858.04	860.04	18	77+87	78+02	858.21
158	80+05.00	15.50' RT	860.21	856.71	858.71	19	79+90	80+67	856.88
154	80+98.00	15.50' RT	859.75	856.54	858.54	15	80+87	81+00	856.71
148	82+40.00	15.50' RT	859.04	855.84	857.84	11	82+31	82+42	856.01
144	83+45.00	15.50' RT	858.60	855.41	857.41	15	83+34	83+47	855.58
143	83+90.00	15.50' RT	858.65	855.46	857.46	21	83+89	83+05	855.63
138	85+77.00	15.50' RT	858.69	855.49	857.49	17	85+64	85+79	855.66
133	86+90.00	15.50' RT	858.10	854.90	856.90	13	86+79	86+92	855.07
128	88+15.00	15.50' RT	857.45	854.25	856.25	16	88+00	88+17	854.42
123	89+00.00	15.50' RT	857.01	853.81	855.81	12	88+87	89+02	853.98
118	90+15.00	15.50' RT	856.21	853.21	855.21	19	89+93	90+17	853.38
108	91+65.00	15.50' RT	855.64	852.44	854.44	11	91+52	91+66	852.61



1 SILVA CELL SECTION  
 NOT TO SCALE



2 SILVA CELL SECTION  
 NOT TO SCALE

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SUMMARY OF POST-CONSTRUCTION STORMWATER CONTROL FACILITIES - (BMP'S REQUIRED)					
CONTROL/OUTLET STRUCTURE NO.	PLAN VIEW FOR BMP	CONTROL FUNCTION	DRAINAGE AREA TO CONTROL FACILITY (ACRES)	FACILITY TYPE	GREEN INFRASTRUCTURE (SQUARE FEET)
799	123	WATER QUANTITY	3.037	PIPE STORAGE	N/A
700	129	WATER QUANTITY	3.647		N/A
650	129	WATER QUANTITY	1.270		N/A
610	132	WATER QUANTITY	3.032		N/A
500	135	WATER QUANTITY	6.439		N/A
400	144	WATER QUANTITY	5.432		N/A
300	144	WATER QUANTITY	1.573		N/A
230	150	WATER QUANTITY	1.923		N/A
210	159	WATER QUANTITY	0.186		N/A
220	162	WATER QUANTITY	0.363		N/A
105	165	WATER QUANTITY	5.428		N/A
838	123	WATER QUALITY	0.091		158
848	126	WATER QUALITY	0.120		149
851	126	WATER QUALITY	0.160		175
744	129	WATER QUALITY	0.133		184
723	129	WATER QUALITY	0.137		149
738	129	WATER QUALITY	0.144		140
614	132	WATER QUALITY	0.100	105	
629	132	WATER QUALITY	0.070	96	
513	135	WATER QUALITY	0.105	149	
522	135	WATER QUALITY	0.150	175	
557	138	WATER QUALITY	0.100	131	
582	138	WATER QUALITY	0.120	158	
599	141	WATER QUALITY	0.140	193	
419	141	WATER QUALITY	0.140	193	
407A	144	WATER QUALITY	0.128	140	
427	144	WATER QUALITY	0.150	140	
433	144	WATER QUALITY	0.070	96	
448	147	WATER QUALITY	0.140	184	
453	147	WATER QUALITY	0.092	123	
458	147	WATER QUALITY	0.080	79	
483	150	WATER QUALITY	0.210	263	
243	150	WATER QUALITY	0.126	158	
267	153	WATER QUALITY	0.091	123	
187	156	WATER QUALITY	0.209	158	
166	156	WATER QUALITY	0.190	158	
158	159	WATER QUALITY	0.190	166	
154	159	WATER QUALITY	0.140	131	
148	159	WATER QUALITY	0.142	96	
144	162	WATER QUALITY	0.160	131	
143	162	WATER QUALITY	0.200	184	
138	162	WATER QUALITY	0.190	149	
133	162	WATER QUALITY	0.162	114	
128	165	WATER QUALITY	0.170	140	
123	165	WATER QUALITY	0.122	105	
118	165	WATER QUALITY	0.163	166	
108	165	WATER QUALITY	0.129	96	
				SILVA CELLS	

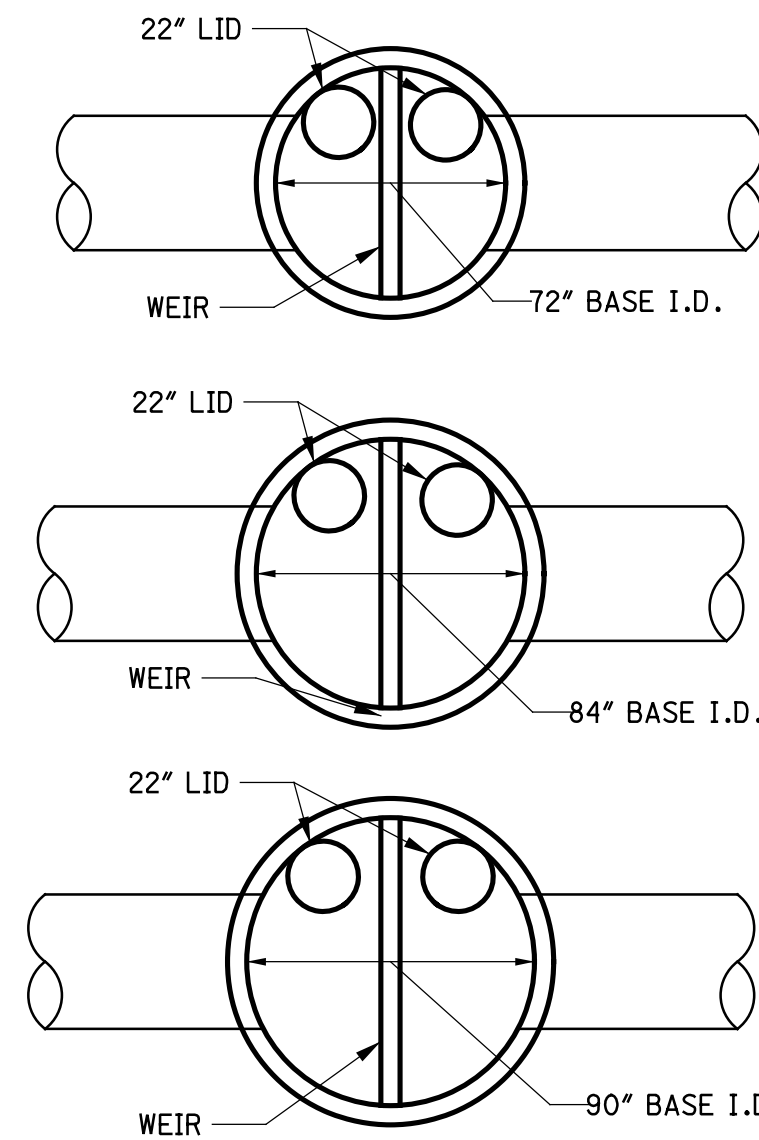
OWNER CONTACT INFORMATION:  
 NON-BIORETENTION FACILITY BMP'S - SMOC MANAGER  
 CITY OF COLUMBUS  
 DPU - DIVISION OF SEWERAGE AND DRAINAGE  
 SEWER MAINTENANCE MANAGER  
 1250 FAIRWOOD AVENUE  
 COLUMBUS, OH 43206  
 614-645-7102  
 BIORETENTION FACILITY BMP'S - SRMS MANAGER  
 CITY OF COLUMBUS  
 DPU - DIVISION OF SEWERAGE AND DRAINAGE  
 STORMWATER AND REGULATORY MANGEMENT SECTION  
 MANAGER  
 1250 FAIRWOOD AVENUE  
 COLUMBUS, OH 43206  
 614-645-6311

PLAN DESIGNER:  
 AMERICAN STRUCTUREPOINT, INC.  
 2550 CORPORATE EXCHANGE DR, STE 300  
 COLUMBUS, OHIO 43231  
 CONTACT: BRUIN RAMSDELL  
 PHONE: (614) 901-2235  
 FAX: (614) 901-2236  
 EMAIL: BRAMSDELL@STRUCTUREPOINT.COM

THE STORM WATER MANAGEMENT FOR THIS PLAN WAS  
 DESIGNED IN ACCORDANCE WITH THE AUGUST 2012  
 STORM WATER DRAINAGE MANUAL.

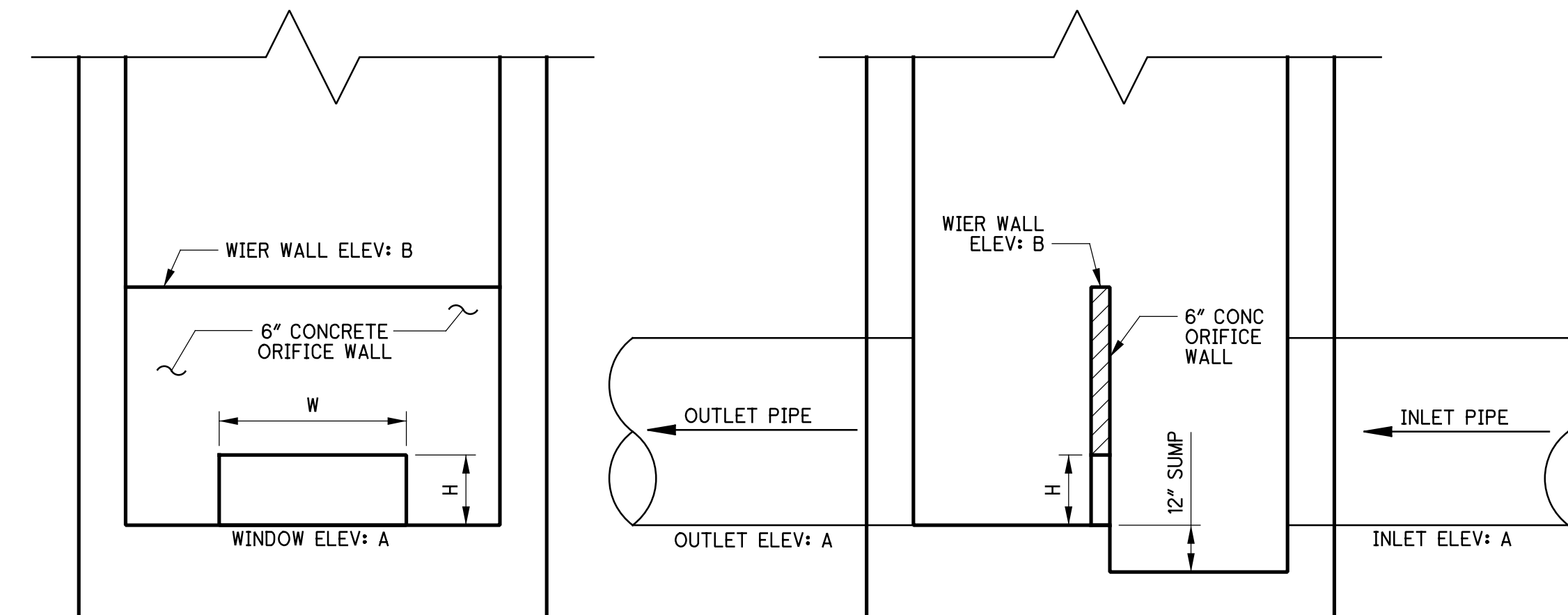
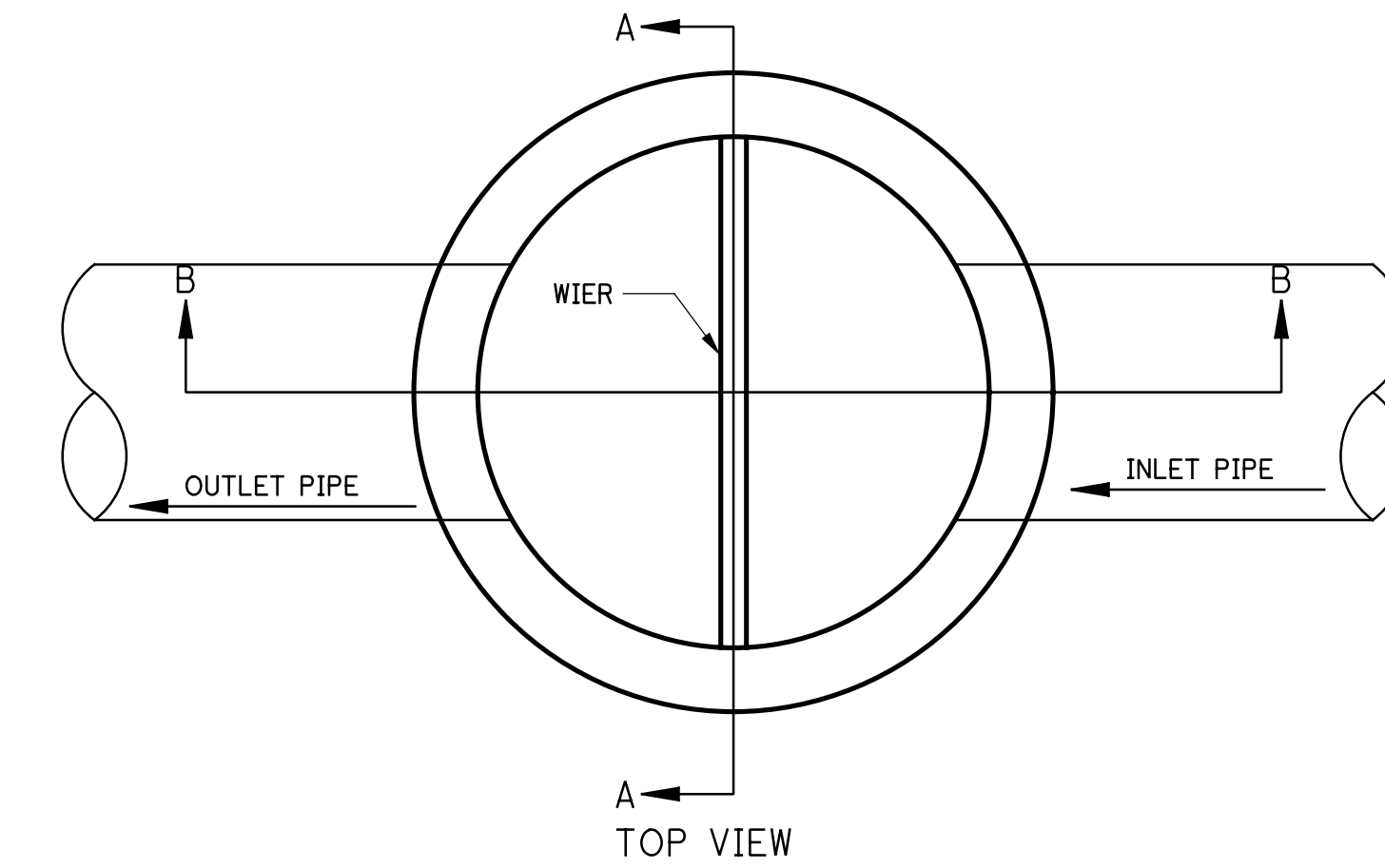
100 YEAR DETENTION TABLE			
LOCATION	VOLUME REQUIRED (AC-FT)	VOLUME PROVIDED (AC-FT)	ELEVATION
820	0.066	0.095	844.75
700	0.062	0.074	846.97
650	0.001	0.003	847.14
610	0.009	0.009	849.67
500	0.102	0.231	848.98
400	0.288	0.314	855.79
300	0.001	0.002	853.89
230	0.067	0.111	857.96
105	0.218	0.415	851.76

POST CONSTRUCTION INSPECTION AND MAINTENANCE NARRATIVE/SCHEDULE	
ACTIVITY	SCHEDULE
VISUALLY INSPECT CURB INLETS REMOVE ANY BLOCKAGE IN CURB INLETS REPLACE/REPAIR ANY DAMAGED COMPONENTS	QUARTERLY AND AFTER RAINFALLS GREATER THAN ONE INCH
PERFORM PROPER INSPECTION/CLEANING FOR OUTLET CONTROL STRUCTURES	MONTHLY
STORM SEWER SYSTEM - REMOVE DEBRIS FROM THE SEWER SYSTEM TO ENSURE POSITIVE FLOW TO THE BASIN	EVERY SIX MONTHS
SILVA CELLS - FOLLOW MANUFACTURES INSTRUCTIONS	ANNUALLY



MANHOLE LID LOCATION DETAIL

NOTE: MANHOLE LIDS SHALL BE LOCATED TO PROVIDE SUFFICIENT CLEARANCE TO ACCESS BOTH SIDES OF WEIR.



SECTION A-A

SECTION B-B

**OUTLET CONTROL STRUCTURE**

ITEM 604 - MANHOLE 3, AS PER PLAN (STRUCTURE NO. 820, 500, 230, 105)  
 ITEM 604 - MANHOLE, TYPE C, AS PER PLAN (STRUCTURE NO. 700)

AREA	DRAINAGE STRUCTURE	STRUCTURE TYPE	A	B	H	W
1	820	MANHOLE 3, AS PER PLAN	841.35	844.75	11.0"	11.8"
2	700	MANHOLE, TYPE C, AS PER PLAN	844.19	847.00	6.5"	21.4"
3	650	MANHOLE, TYPE C	NO OUTLET CONTROL			
4	610	CURB INLET MANHOLE (AA-S121)	NO OUTLET CONTROL			
5	500	MANHOLE 3, AS PER PLAN	845.30	849.00	10.0"	24.7"
6	400	MANHOLE 3	NO OUTLET CONTROL			
7	300	MANHOLE, TYPE C	NO OUTLET CONTROL			
8	230	MANHOLE 3, AS PER PLAN	855.07	858.00	6.5"	23.0"
9	210	MANHOLE, TYPE C	NO OUTLET CONTROL			
10	220	MANHOLE, TYPE C	NO OUTLET CONTROL			
11	105	MANHOLE 3, AS PER PLAN	847.77	851.80	16.5"	23.7"

WALL ATTACHMENT NOTE:  
 ORIFICE WALL TO BE CAST IN PLACE.  
 INSTALL WITH NO. 6 REBARS (1 FT LONG)  
 9 INCH C/C WITH 3 INCH EDGE CLEARANCE.  
 (3 IN. EMBEDMENT LENGTH)

FULL COMPENSATION FOR ALL MATERIALS,  
 LABOR, AND EQUIPMENT REQUIRED TO  
 INSTALL THE MANHOLE INCLUDING ORIFICE  
 WALL, ITEM 510 DOWEL HOLES, AND ITEM  
 509 REBARS SHALL BE INCLUDED UNDER  
 THE CORRESPONDING STRUCTURE TYPE,  
 PAY ITEM 604 - "MANHOLE 3, AS PER  
 PLAN" OR ITEM 604 - "MANHOLE, TYPE C,  
 AS PER PLAN"

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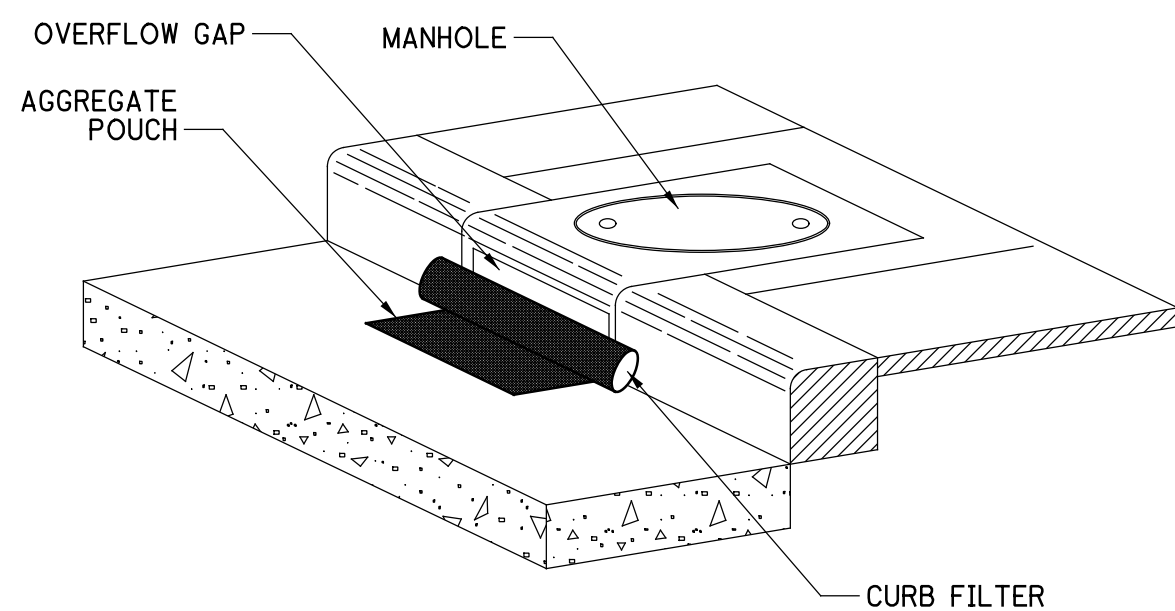
CALCULATED  
 BER  
 CHECKED  
 MWR

POST CONSTRUCTION STORMWATER  
 POLLUTION CONTROL FACILITIES

HUDSON ST

65  
 535





**MAINTENANCE:**

REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM THE SURFACE AND VICINITY OF THE UNIT AFTER EACH STORM EVENT.

IF USING OPTIONAL OIL ABSORBENTS, REMOVE AND REPLACE ABSORBENTS WHEN THEY NEAR SATURATION.

**CURB INLET PROTECTION WITHOUT GRATE  
NOT TO SCALE**

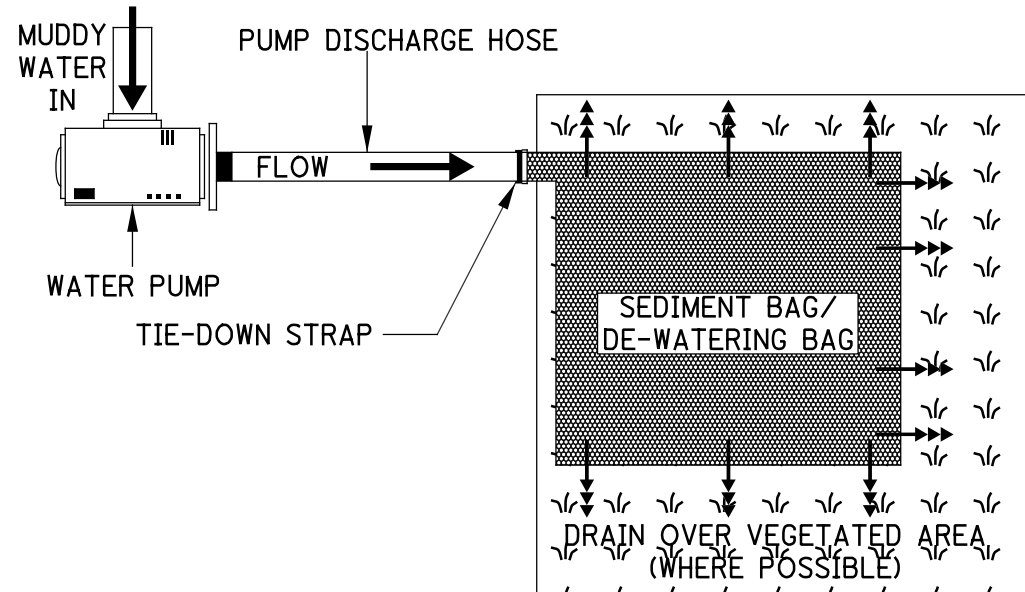
TO BE USED ON STRUCTURES:

- SHEET 68: X2, X3, X4, X5, X6, X7, X8, X9, X10, X11, X12, X13
- SHEET 69: X14, X15, X16, X17, X18, X19, X22
- SHEET 70: X25
- SHEET 71: X26, X27
- SHEET 72: X33, X34

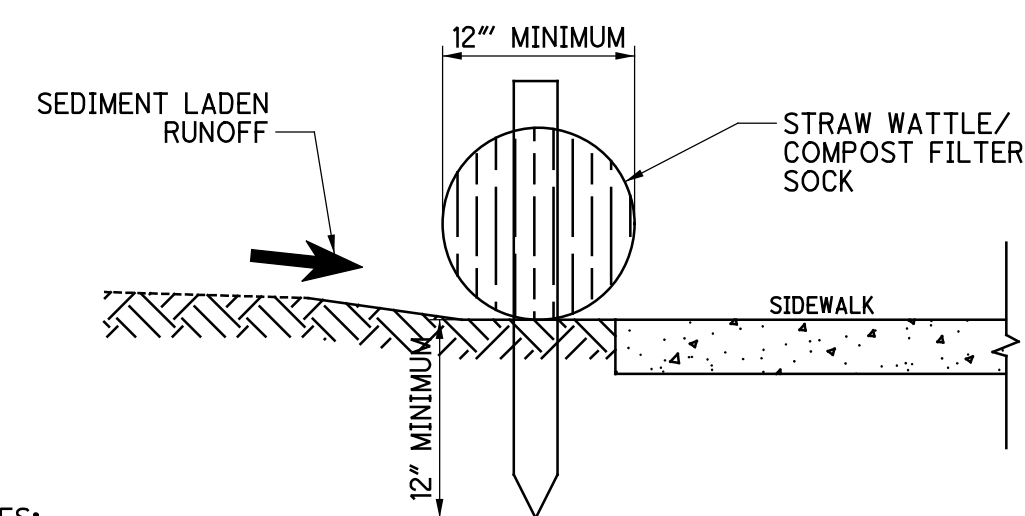
THE PUMPING OR DIRECT DISCHARGE OF SEDIMENT-LADEN (MUDDY) WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS.

ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES, OR OTHER DIRECT DISCHARGES SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER SYSTEM AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.

DISCHARGE HOSES USED DURING PUMPING ACTIVITIES SHALL BE FITTED WITH SEDIMENT BAGS THAT ARE PROPERLY SIZED PER MANUFACTURER'S RECOMMENDATIONS REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREAS, WHERE FEASIBLE, DURING DISCHARGE. SEE DETAIL BELOW OF A TYPICAL SEDIMENT BAG INSTALLATION.



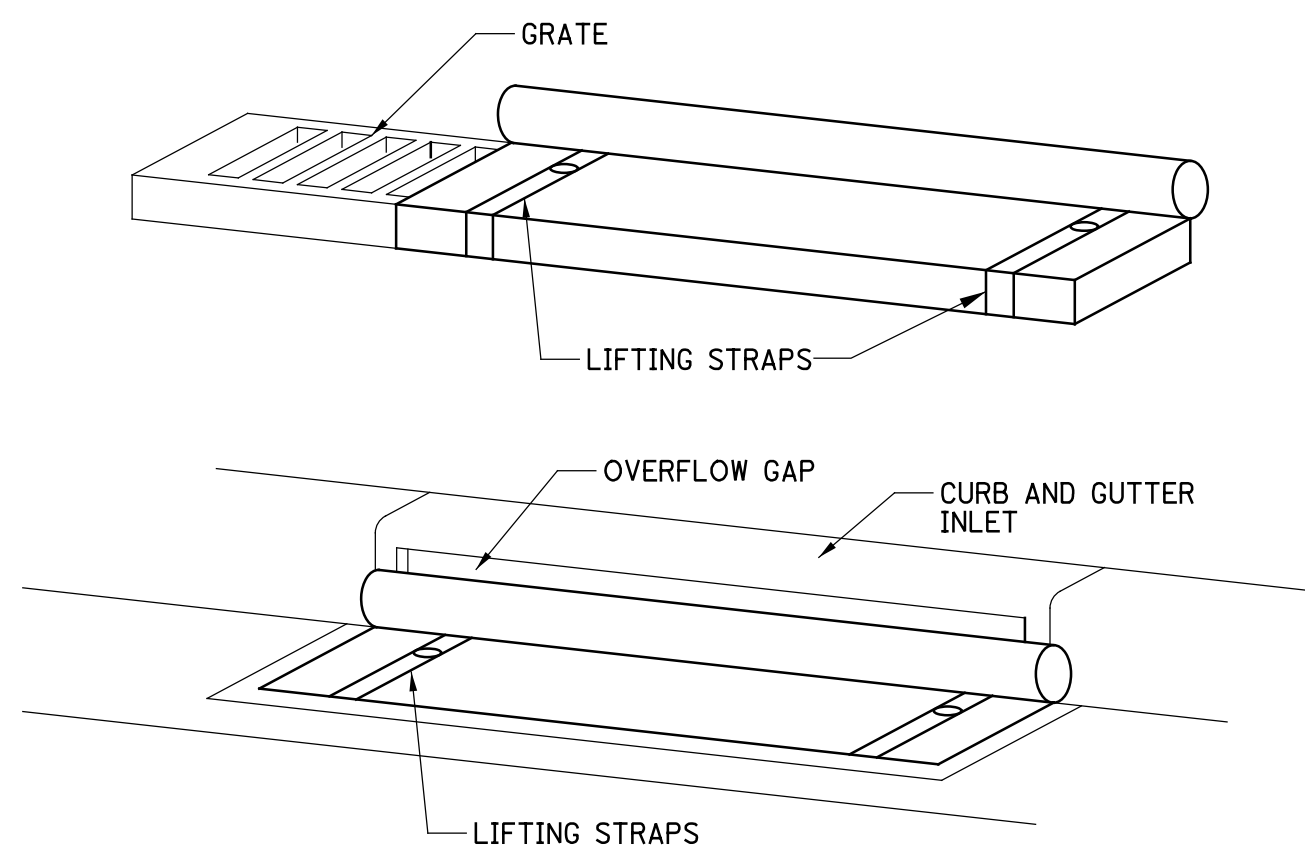
**SUGGESTED DISCHARGE SET-UP FOR PUMPING MUDDY WATER**



**NOTES:**

1. STRAW WATTLES OR COMPOST FILTER SOCKS SHALL BE PLACED BEHIND THE PROPOSED SIDEWALK LOCATIONS ALONG THE ENTIRE ROADWAY
2. THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE ESC BMP, ESPECIALLY IN RESIDENTIAL SETTINGS. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE.
3. ADDITIONALLY THE USE OF COMPOST FILTER SOCKS AND COMPOST BLANKETS ARE GAINING WIDER ACCEPTANCE NATIONWIDE. THEY ARE NOW APPROVED FOR USE ON ALL COLUMBUS SWP3 PLANS AND CONSTRUCTION SITES.
4. STRAW WATTLES OR COMPOST FILTER SOCKS SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER PER OEPA STANDARDS

**STRAW WATTLES/COMPOST FILTER SOCKS  
NOT TO SCALE**



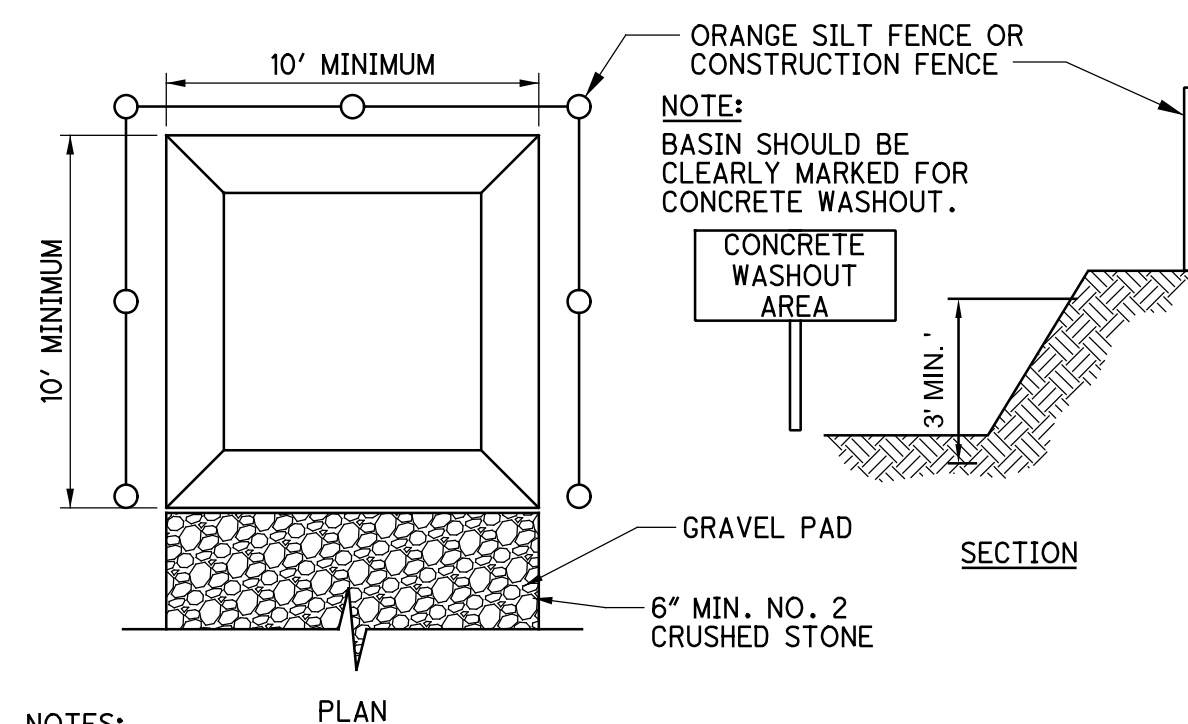
**MAINTENANCE:**

WITH A STIFF BRISTLE BROOM SWEEP SILT AND OTHER DEBRIS OFF SURFACE AFTER EACH EVENT.

**CURB INLET PROTECTION WITH GRATE  
NOT TO SCALE**

TO BE USED ON STRUCTURES:

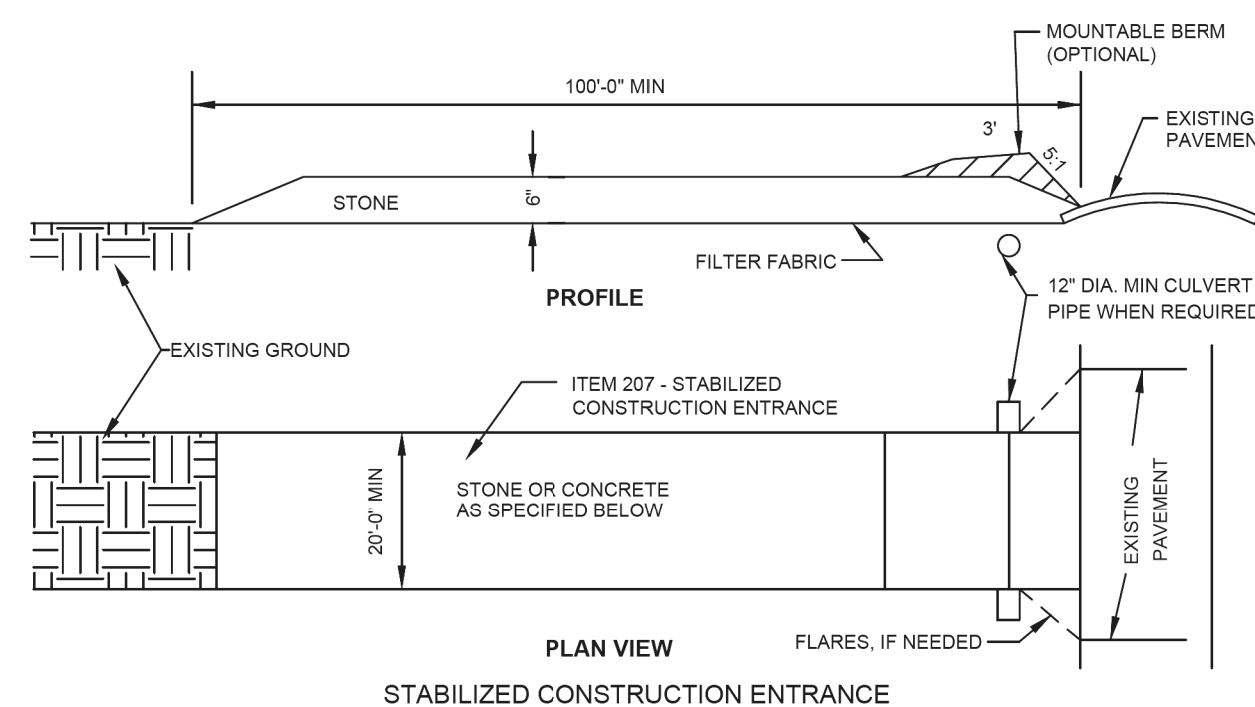
- SHEET 68: X1, 701, 702, 703, 711, 721, 722, 723, 731, 732, 736, 737, 738, 741, 742, 743, 744, 811, 812, 821, 831, 836, 837, 838, 841, 842, 846, 847, 848, 850, 851
- SHEET 69: X20, X21, X23, 501, 502, 503, 511, 512, 513, 521, 522, 531, 536, 541, 542, 545, 546, 547, 551, 552, 556, 557, 561, 571, 572, 573, 575, 576, 610, 612, 613, 614, 620, 626, 627, 628, 629, 651, 652, 653, 654, 655
- SHEET 70: X24, X37, 401, 402, 406, 407, 407A, 409, 411, 413, 414, 416, 418, 419, 421, 422, 423, 425, 426, 427, 432, 435, 581, 582, 586, 587, 591, 592, 596, 597, 598, 599
- SHEET 71: 166, 170, 171, 175, 176, 180, 181, 185, 186, 187, 231, 232, 241, 242, 243, 246, 250, 255, 256, 260, 261, 265, 266, 267, 302, 303, 305, 431, 433, 441, 446, 447, 448, 451, 452, 453, 456, 457, 458, 466, 467, 468, 471, 472, 473, 476, 477, 481, 482, 483, 485, 486
- SHEET 72: X28, X29, X30, X31, X32, X35, X36, 106, 107, 108, 111, 112, 116, 117, 118, 121, 122, 123, 126, 127, 128, 131, 132, 133, 136, 137, 138, 141, 142, 143, 144, 146, 147, 148, 151, 152, 153, 154, 156, 157, 158, 161, 165, 211, 212, 221, 222



**NOTES:**

1. ACTUAL LAYOUT DETERMINED IN THE FIELD, BY CONTRACTOR.
2. THE EXACT LOCATION OF THE CONCRETE WASHOUTS MAY BE FIELD LOCATED BY ON-SITE PROJECT ENGINEER/CONTACT.
3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
4. THE USE OF PORTABLE CONCRETE WASHOUT UNITS IS APPROVED (AND ENCOURAGED) FOR ALL CONSTRUCTION AREAS IN THE CITY OF COLUMBUS.
5. PLASTIC LINER SHALL BE USED AT THE BOTTOM OF THE CONCRETE WASHOUT AREA.

**CONCRETE WASHOUT AREA  
NOT TO SCALE**



1. STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - SHALL BE A LENGTH REQUIRED TO KEEP SEDIMENT OFF ROADWAY, BUT MAY BE LONGER AS DETERMINED BY THE CITY OF COLUMBUS.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWENTY (20) FEET MINIMUM BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. MAY BE WIDER AS DETERMINED BY THE CITY OF COLUMBUS.
5. FLARES OR RADII SHALL BE INSTALLED AT THE ENTRANCE IF THE PUBLIC ROADWAY SPEEDS AND/OR TRAFFIC CONDITIONS WARRANT IT, OR IF DIRECTED BY C.O.C. PERSONNEL.
6. FILTER FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
7. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES SHALL BE PERMITTED.
8. CULVERT PIPE - 12" MINIMUM PIPE IS REQUIRED IF A STORM DITCH OR SWALE EXISTS AT THE PROPOSED ENTRANCE. THE CULVERT PIPE INVERTS SHALL MATCH THE EXISTING DITCH AT BOTH SIDES OF THE ENTRANCE.
9. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PROTECT THE PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
10. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
11. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
12. MAINTENANCE OF TRAFFIC SIGNAGE SHALL BE A 48" x 48" CONSTRUCTION ENTRANCE AHEAD, 200' (ADEQUATE SIGHT DISTANCE SHALL BE CONSIDERED) BEFORE THE ENTRANCE ON BOTH SIDES OF THE ROAD OR AS APPROVED BY THE C.O.C. TEMPORARY TRAFFIC CONTROL COORDINATOR. YOU SHALL CALL THE TTC @ 645-7393 BEFORE STARTING THE ENTRANCE WORK.

**STABILIZED CONSTRUCTION ENTRANCE (STD DWG 2230)  
NOT TO SCALE**

SHEET NUMBER					ITEM	GRAND TOTAL	UNIT	DESCRIPTION
68	69	70	71	72				
31	42	32	52	47	207	204	EACH	CURB INLET PROTECTION WITH GRATE
12	7	1	2	2	207	24	EACH	CURB INLET PROTECTION WITHOUT GRATE (TO BE REMOVED WITH STRUCTURE)
469	0	0	16	146	207	631	FEET	STRAW WATTLES/COMPOST FILTER SOCKS
1	1	1	1	1	207	5	EACH	CONCRETE WASHOUT*
1	0	1	1	1	207	4	EACH	TEMPORARY CONSTRUCTION ENTRANCE

\*CONCRETE WASHOUT LOCATIONS AT THE DISCRETION OF THE CONTRACTOR

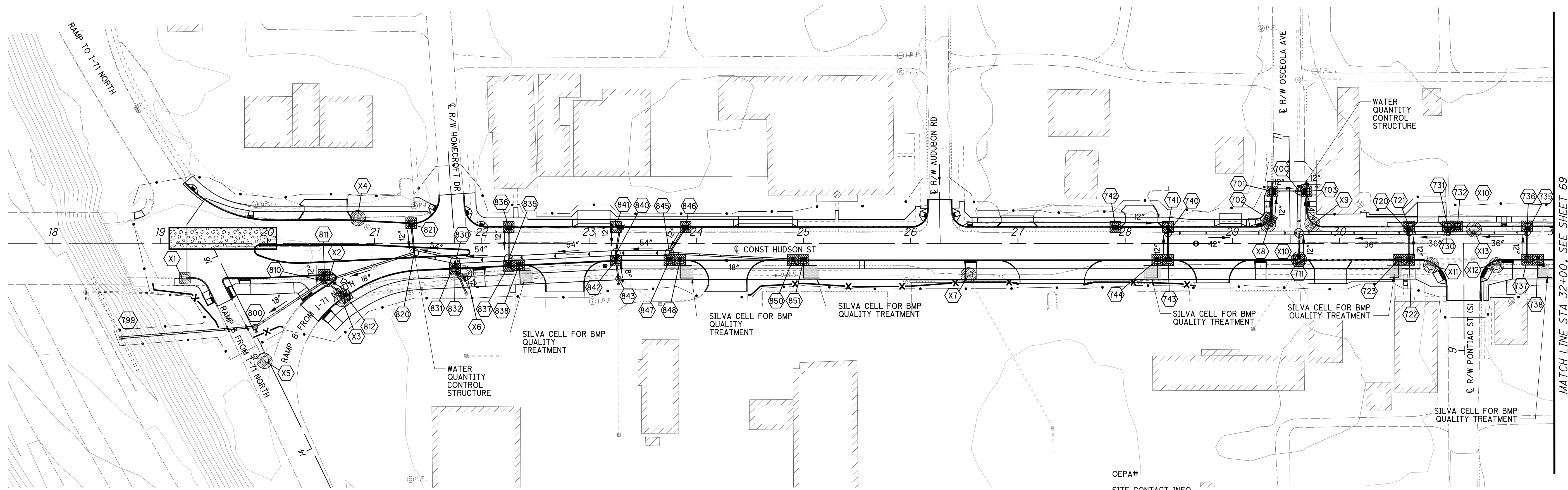
NOTE:  
ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.  
ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

**LEGEND**

- XXX STRUCTURE NUMBER
- [Hatched Box] CURB INLET PROTECTION WITH GRATE
- [Circle with Dots] CURB INLET PROTECTION WITHOUT GRATE (TO BE REMOVED WITH STRUCTURE)
- [Hatched Box] CURB INLET PROTECTION WITH GRATE (TO BE REMOVED WITH STRUCTURE)
- [Square with Dots] SILVA CELL
- [Line with X] STRAW WATTLES/COMPOST FILTER SOCKS
- [Patterned Box] TEMPORARY CONSTRUCTION ENTRANCE (PER STANDARD DRAWING 2230)

CALCULATED  
BER  
CHECKED  
MWR

0 50 100  
HORIZONTAL  
SCALE IN FEET



OEPA#  
SITE CONTACT INFO  
HANNAH WEBBER, PE  
PROJECT MANAGER  
DESIGN AND CONSTRUCTION DIVISION  
CITY OF COLUMBUS, DEPARTMENT OF PUBLIC SERVICE  
VOICE: 614.645.2859  
EMAIL: HKWEBBER@COLUMBUS.GOV

PROJECT DATA	
PROJECT SITE AREA (ACRE)	14.574
PROJECT EARTH DISTURBED AREA (ACRE)	13.590
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.78
RUNOFF COEFFICIENT FOR POST-CONSTRUCTION SITE	0.80
SOIL DATA	BENNINGTON-URBAN LAND COMPLEX
IMMEDIATE RECEIVING WATERS	EXISTING PUBLIC STORM SEWER
SUBSEQUENT RECEIVING WATERS	OLENTANGY RIVER/ALUM CREEK
IMPERVIOUS PAVED AREA PRE-CONSTRUCTION (ACRE)	9.588
IMPERVIOUS PAVED AREA POST-CONSTRUCTION (ACRE)	10.072
POST CONSTRUCTION BMP	PIPE STORAGE/SILVA CELLS

MATCH LINE STA 32+00, SEE SHEET 69

isoltasz 10/5/2021 10:01:01 AM  
01/2018/02392.C.Design/02392\_Hudson\_Design\_Sheets/02392\_DE002.dgn

**STORM WATER POLLUTION PREVENTION PLAN**

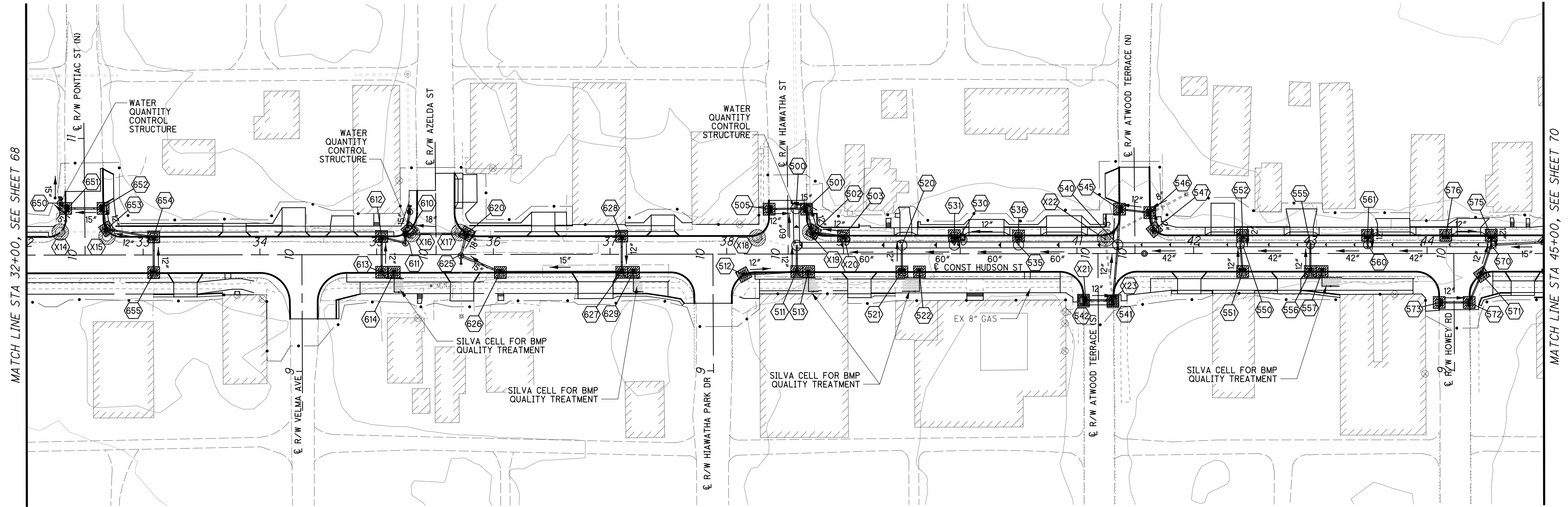
**HUDSON ST**

NOTE:  
 ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.  
 ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

- LEGEND
- ⬡(xxx) STRUCTURE NUMBER
  - ▣ CURB INLET PROTECTION WITH GRATE
  - CURB INLET PROTECTION WITHOUT GRATE (TO BE REMOVED WITH STRUCTURE)
  - ▣ CURB INLET PROTECTION WITH GRATE (TO BE REMOVED WITH STRUCTURE)
  - SILVA CELL
  - x— STRAW WATTLES/COMPOST FILTER SOCKS
  - ▣(dots) TEMPORARY CONSTRUCTION ENTRANCE (PER STANDARD DRAWING 2230)

CALCULATED  
 BER  
 CHECKED  
 MWR

0 50 100  
 HORIZONTAL  
 SCALE IN FEET



MATCH LINE STA 32+00, SEE SHEET 68

MATCH LINE STA 45+00, SEE SHEET 70

STORM WATER POLLUTION  
 PREVENTION PLAN

HUDSON ST

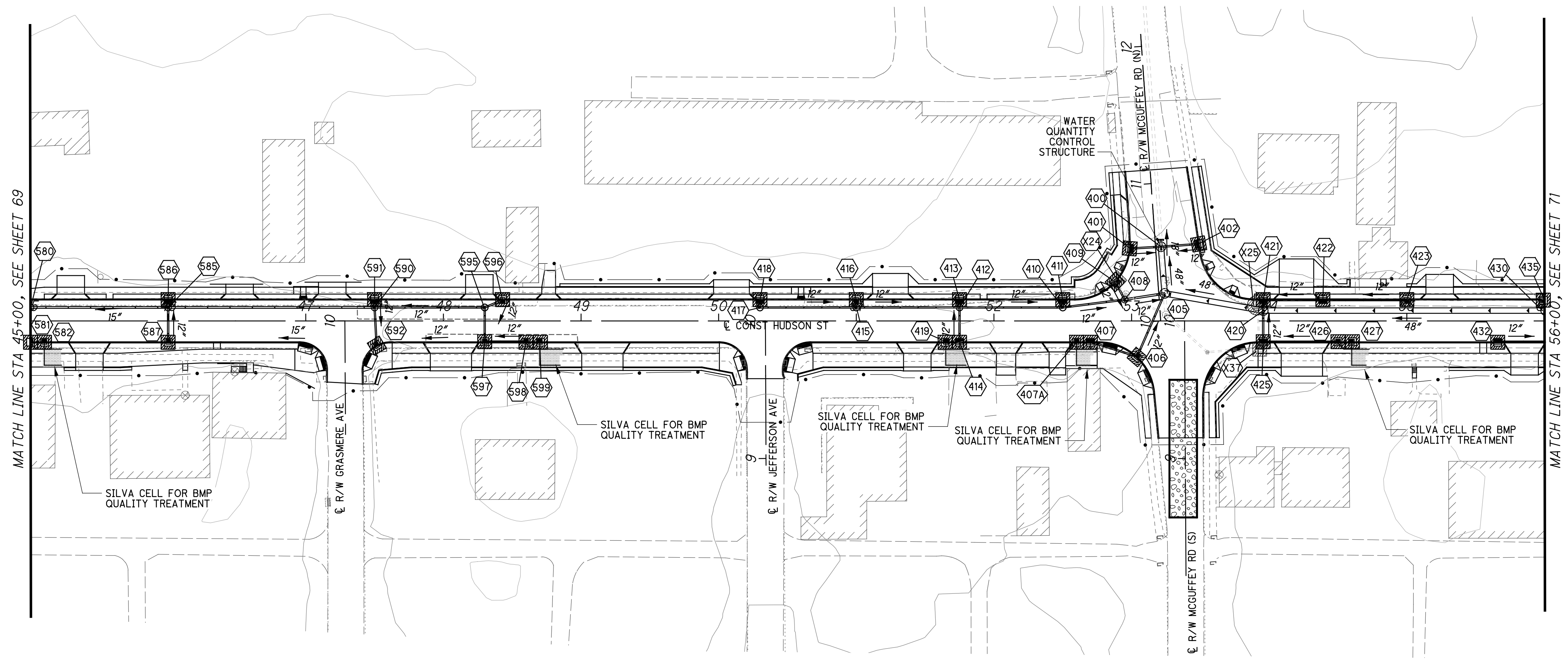
NOTE:  
 ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.  
 ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

**LEGEND**

- ⬡(XXX) STRUCTURE NUMBER
- ▨ CURB INLET PROTECTION WITH GRATE
- ⊙ CURB INLET PROTECTION WITHOUT GRATE (TO BE REMOVED WITH STRUCTURE)
- ▧ CURB INLET PROTECTION WITH GRATE (TO BE REMOVED WITH STRUCTURE)
- SILVA CELL
- X— STRAW WATTLES/COMPOST FILTER SOCKS
- ▨(DOTTED) TEMPORARY CONSTRUCTION ENTRANCE (PER STANDARD DRAWING 2230)

CALCULATED  
 BER  
 CHECKED  
 MWR

0 50 100  
 25  
 HORIZONTAL  
 SCALE IN FEET

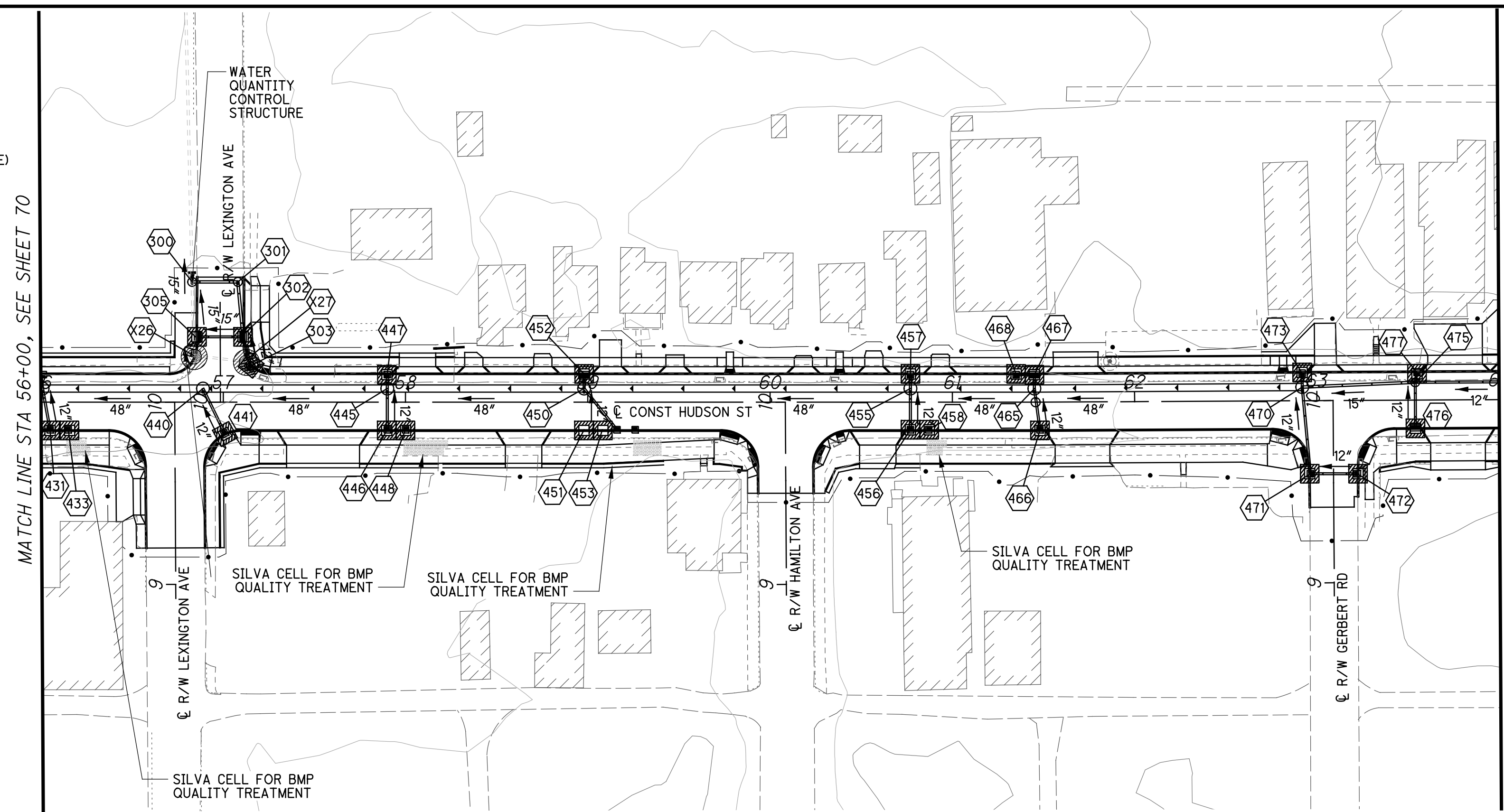
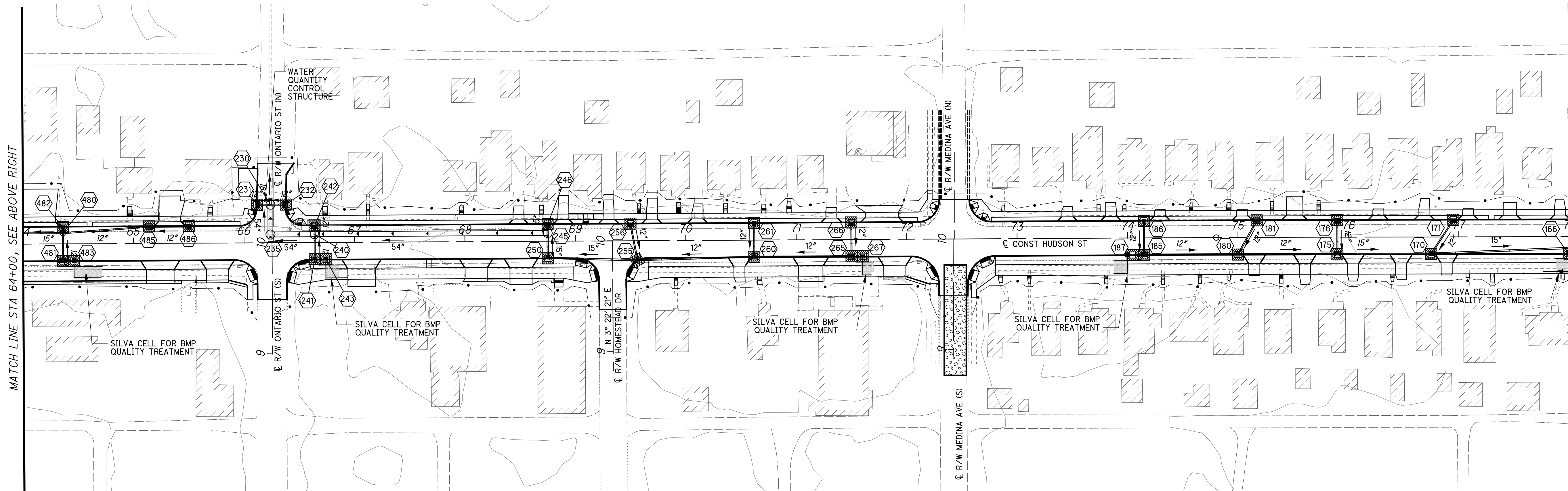


**STORM WATER POLLUTION  
 PREVENTION PLAN**

**HUDSON ST**

- LEGEND**
- STRUCTURE NUMBER
  - CURB INLET PROTECTION WITH GRATE
  - CURB INLET PROTECTION WITHOUT GRATE (TO BE REMOVED WITH STRUCTURE)
  - CURB INLET PROTECTION WITH GRATE (TO BE REMOVED WITH STRUCTURE)
  - SILVA CELL
  - STRAW WATTLES/COMPOST FILTER SOCKS
  - TEMPORARY CONSTRUCTION ENTRANCE (PER STANDARD DRAWING 2230)

NOTE:  
 ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.  
 ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.



MATCH LINE STA 64+00, SEE ABOVE RIGHT

MATCH LINE STA 56+00, SEE SHEET 70

MATCH LINE STA 78+00, SEE SHEET 72

MATCH LINE STA 64+00, SEE BELOW LEFT

CALCULATED  
 BER  
 CHECKED  
 MWR

HORIZONTAL SCALE IN FEET

**STORM WATER POLLUTION PREVENTION PLAN**

**HUDSON ST**

MATCH LINE STA 78+00 SEE SHEET 71

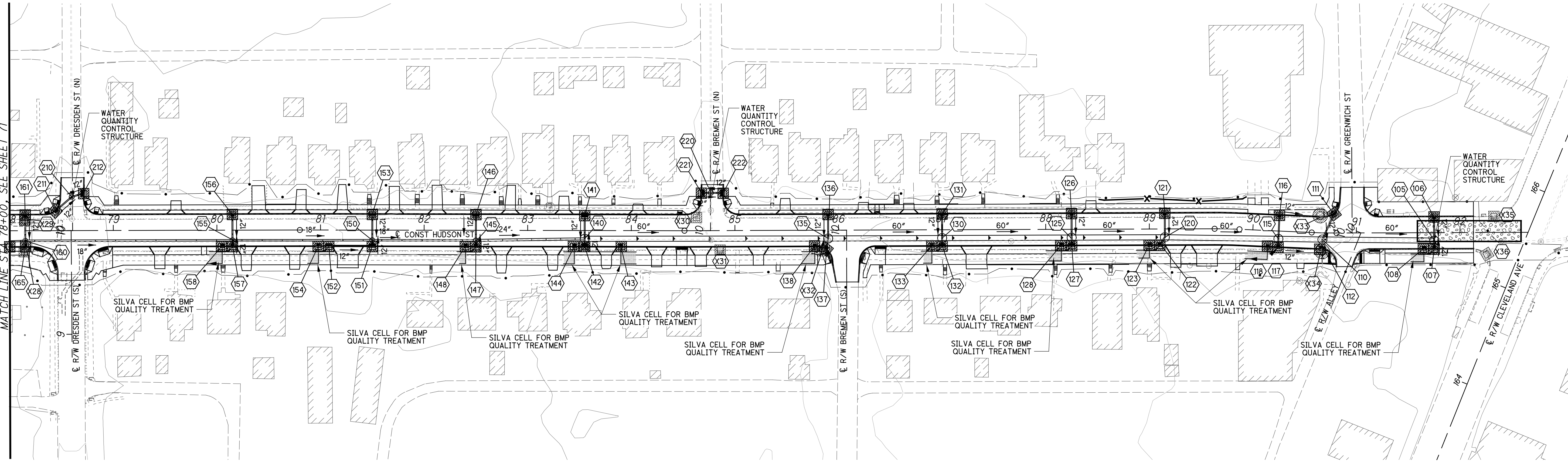
NOTE:  
 ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.  
 ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

LEGEND

- xxx STRUCTURE NUMBER
- [Hatched Box] CURB INLET PROTECTION WITH GRATE
- [Circle with X] CURB INLET PROTECTION WITHOUT GRATE (TO BE REMOVED WITH STRUCTURE)
- [Hatched Box] CURB INLET PROTECTION WITH GRATE (TO BE REMOVED WITH STRUCTURE)
- SILVA CELL
- [Line with X] STRAW WATTLES/COMPOST FILTER SOCKS
- [Stippled Box] TEMPORARY CONSTRUCTION ENTRANCE (PER STANDARD DRAWING 2230)

CALCULATED  
 BER  
 CHECKED  
 MWR

0 50 100  
 25  
 HORIZONTAL  
 SCALE IN FEET



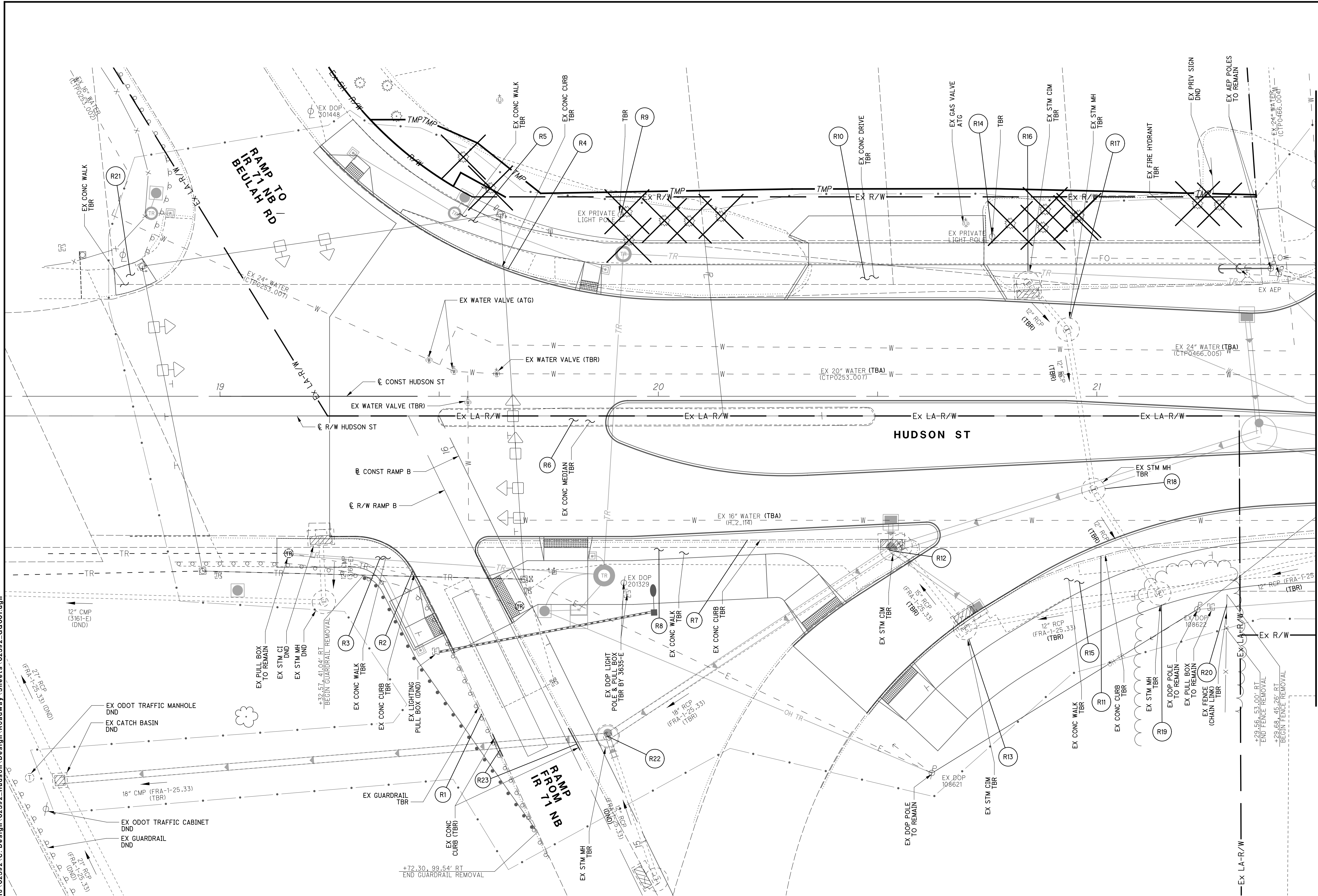
STORM WATER POLLUTION  
 PREVENTION PLAN

HUDSON ST



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10/5/2021 10:01:08 AM  
01/2018/02392.C.Design/02392\_Hudson\_Design/Roadway\_Sheets/02392\_G0001.dgn

FOR TRAFFIC SIGNAL REMOVALS SEE SHEET 427



MATCH LINE STA 21+50  
SEE SHEET 75

CALCULATED  
JAL  
CHECKED  
MWR

0 5 10 20  
HORIZONTAL  
SCALE IN FEET

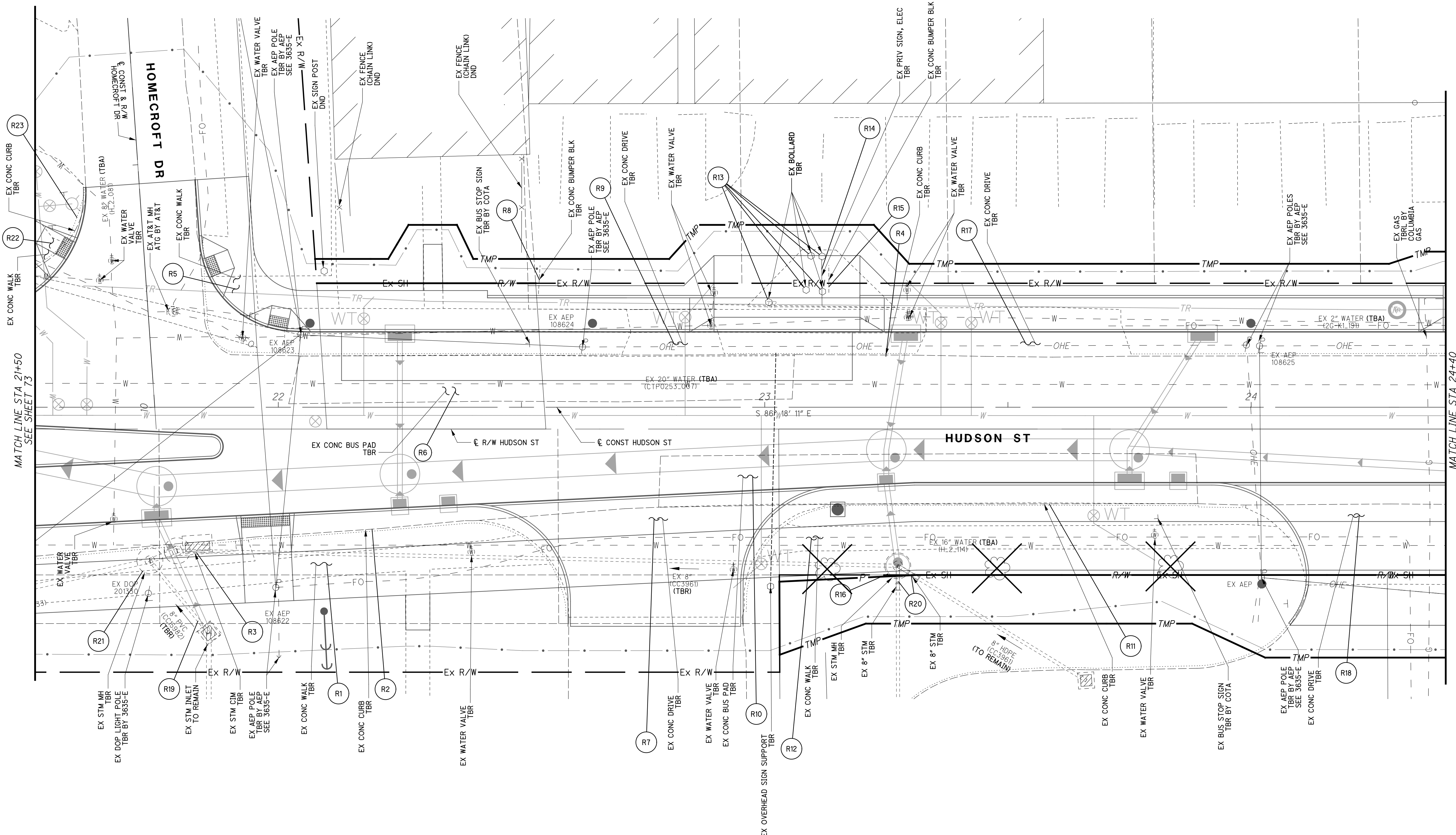
DEMOLITION PLAN  
BEGIN PROJECT TO STA 21+50

HUDSON ST

73  
535

3575-E





MATCH LINE STA 21+50  
SEE SHEET 73

MATCH LINE STA 24+40  
SEE SHEET 77

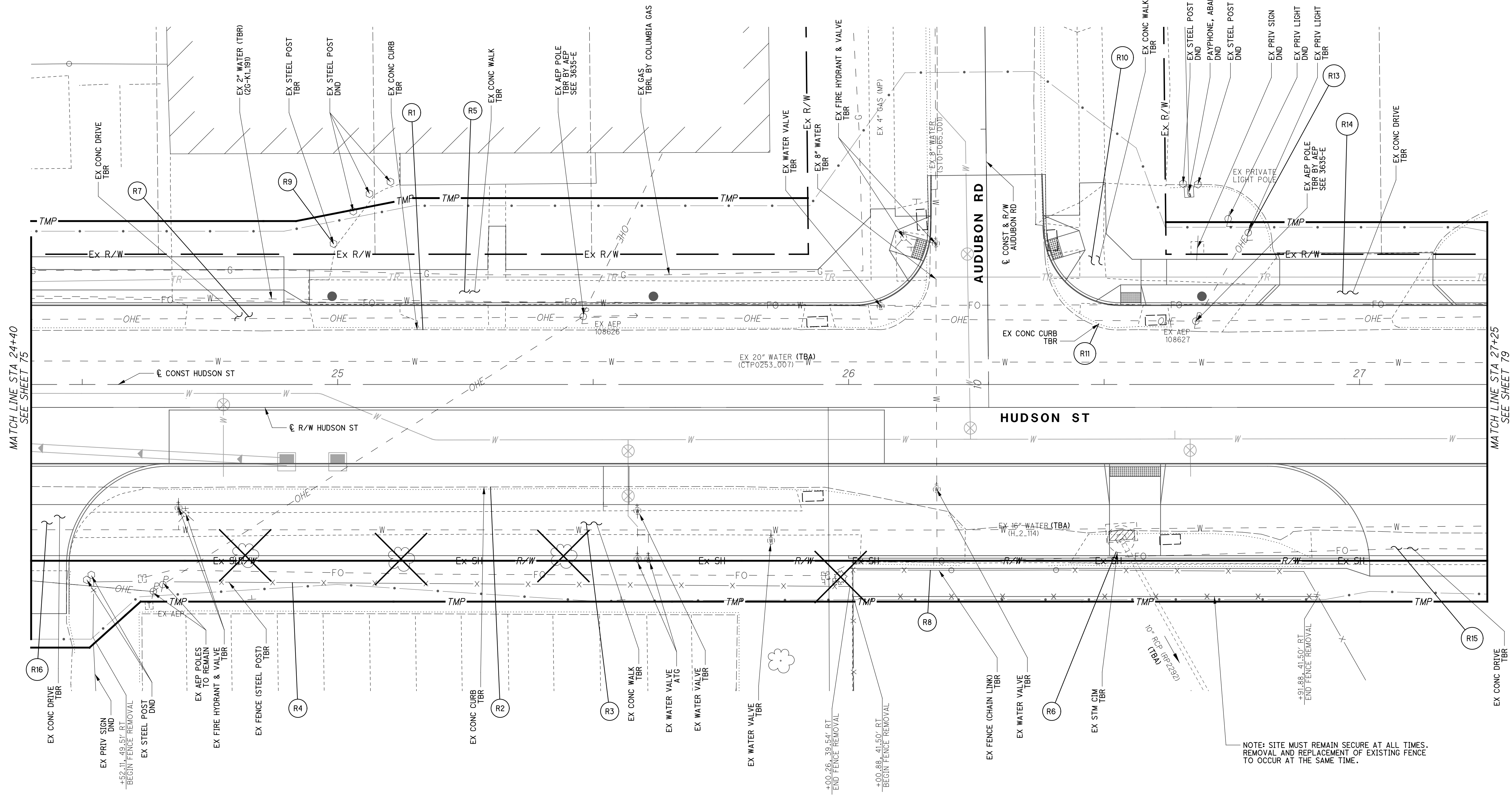
CALCULATED  
JAL  
CHECKED  
MWR

0 5 10 20  
HORIZONTAL  
SCALE IN FEET

**DEMOLITION PLAN**  
**STA 21+50 TO STA 24+40**

**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202		
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED	
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
R1	21+50	22+56	RT																									592		
R2	21+50	24+50	RT					310																						
R3	21+79		RT				1																			6				
R4	21+83	24+40	LT					288																						
R5	21+84	24+40	LT																										1219	
R6	22+02	23+06	LT							108																				
R7	22+41	23+14	RT		988																									
R8	22+54		LT														1													
R9	22+71	22+92	LT		83																									
R10	22+78	23+89	RT				127																							
R11	22+96	24+07	RT					126																						
R12	22+99	24+09	RT																										520	
R13	23+01	23+12	LT																5											
R14	23+12		LT																			1								
R15	23+16		LT														1													
R16	23+27		RT									1																	148	
R17	23+31	23+75	LT		210																									
R18	23+99	24+40	RT		539																									
R19	21+74	21+86	RT																										19	
R20	23+27	23+32	RT																										10	
R21	21+74		RT									1																	61	
R22	21+50	21+56	LT																										28	
R23	21+50	21+60	LT					29																						
TOTALS CARRIED TO SHEET 127						1820	235	1	753			2					2			5		1					244			



MATCH LINE STA 24+40  
 SEE SHEET 75

MATCH LINE STA 27+25  
 SEE SHEET 79

NOTE: SITE MUST REMAIN SECURE AT ALL TIMES. REMOVAL AND REPLACEMENT OF EXISTING FENCE TO OCCUR AT THE SAME TIME.

CALCULATED  
 JAL  
 CHECKED  
 MWR

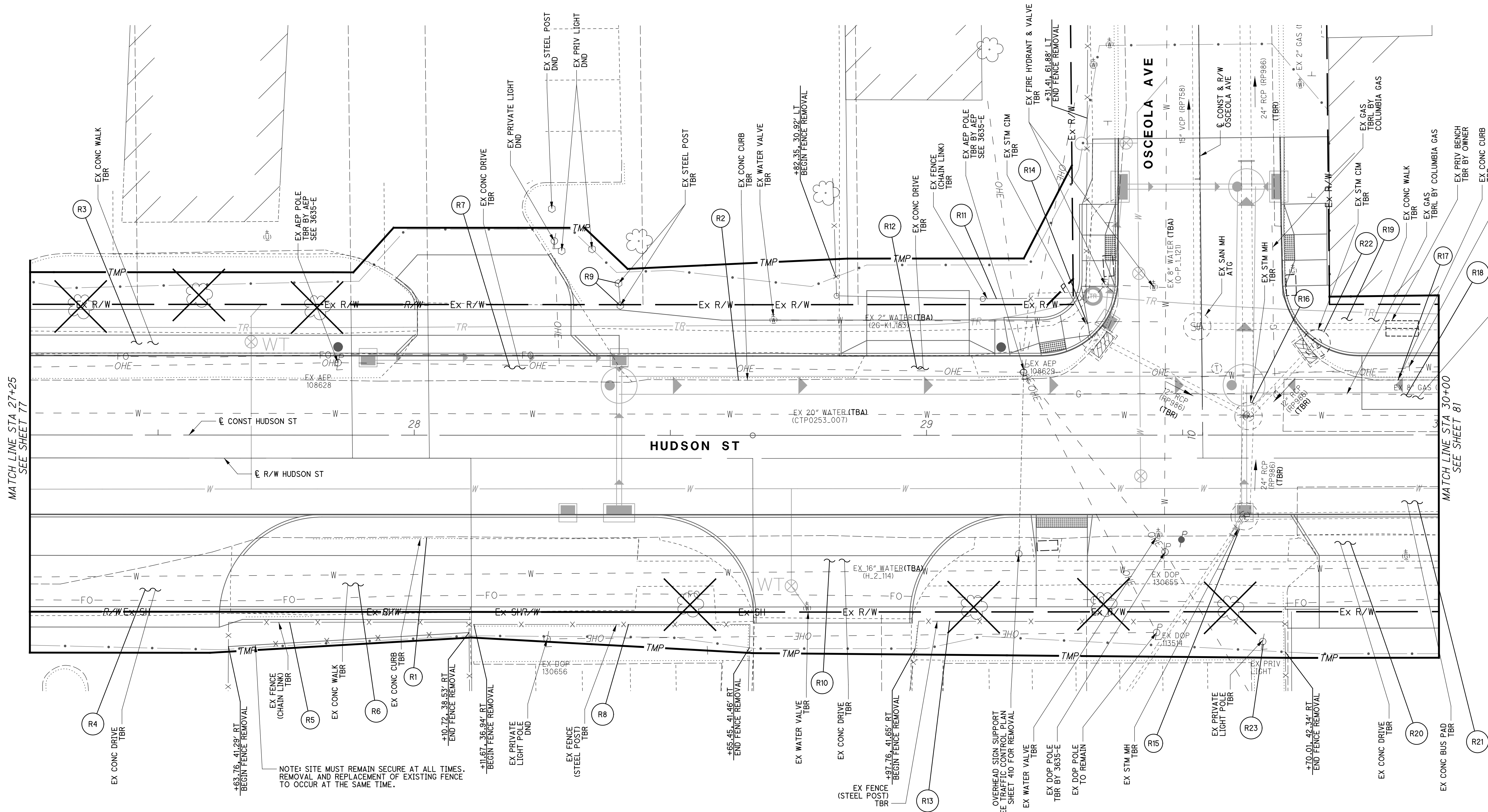
0 10 20  
 HORIZONTAL  
 SCALE IN FEET

DEMOLITION PLAN  
 STA 24+40 TO STA 27+25

HUDSON ST

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202		
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED	
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
R1	24+40	26+15	LT					201																						
R2	24+40	27+25	RT					288																						
R3	24+48	27+25	RT																										1356	
R4	24+52	26+00	RT						154																				779	
R5	24+94	26+15	LT																											
R6		26+53	RT																											
R7	24+70	24+95	LT			389																							5	
R8	26+01	26+92	RT						99																					
R9		24+99	LT																											
R10	26+38	27+25	LT																	1									397	
R11	26+38	27+25	LT						111																					
R13		26+78	LT																											
R14	26+77	27+14	LT			473																								
R15	26+90	27+25	RT			251																								
R16	24+40	24+62	RT			178																								
TOTALS CARRIED TO SHEET 127						1291		1	600	253																				

CALCULATED JAL CHECKED MWR	REMOVAL SUBSUMMARY	HUDSON ST
3575 - E		78 535



MATCH LINE STA 27+25  
SEE SHEET 77

MATCH LINE STA 30+00  
SEE SHEET 81

CALCULATED  
JAL  
CHECKED  
MWR

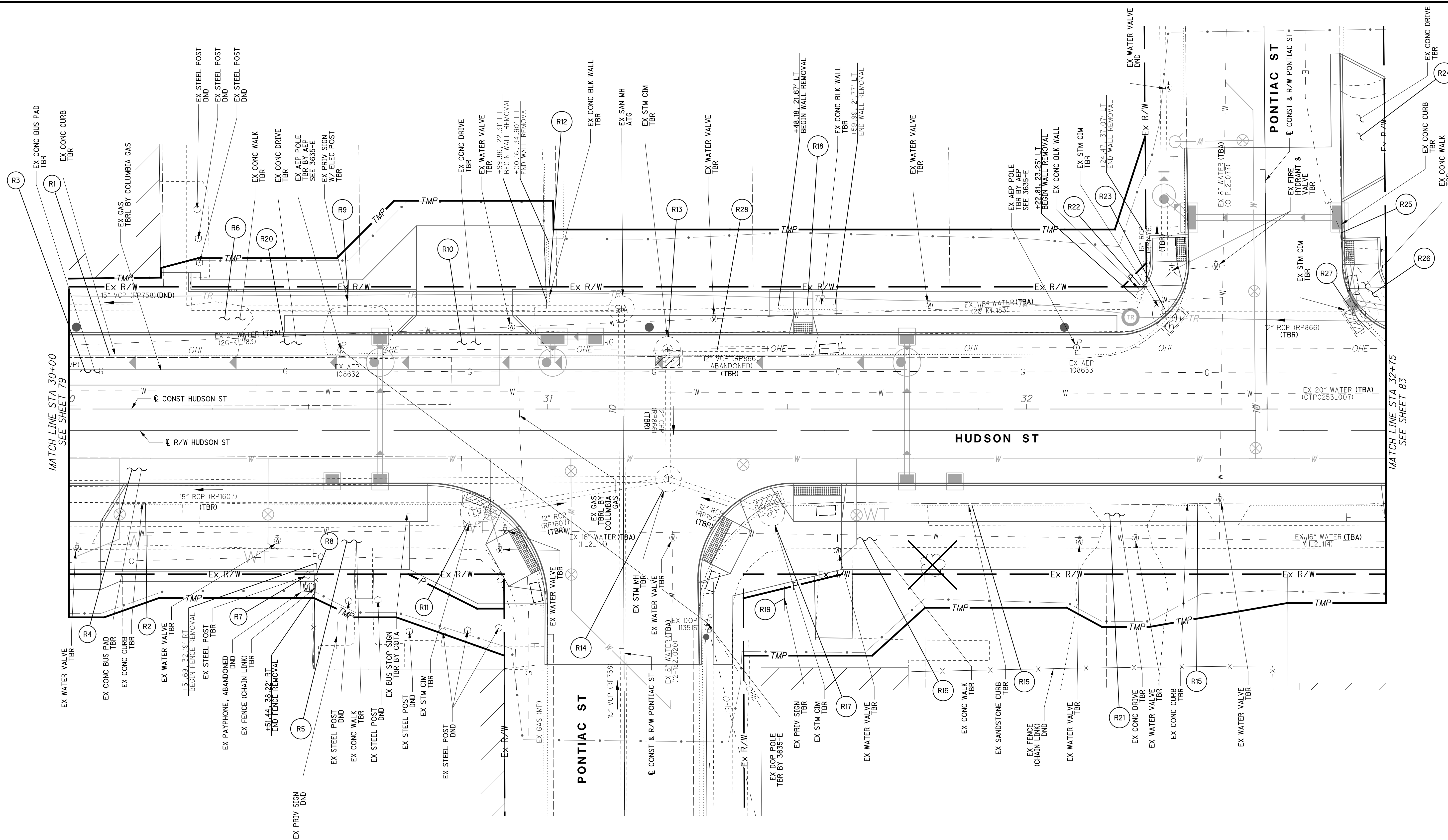
0 5 10 20  
HORIZONTAL  
SCALE IN FEET

DEMOLITION PLAN  
STA 27+25 TO STA 30+00

HUDSON ST







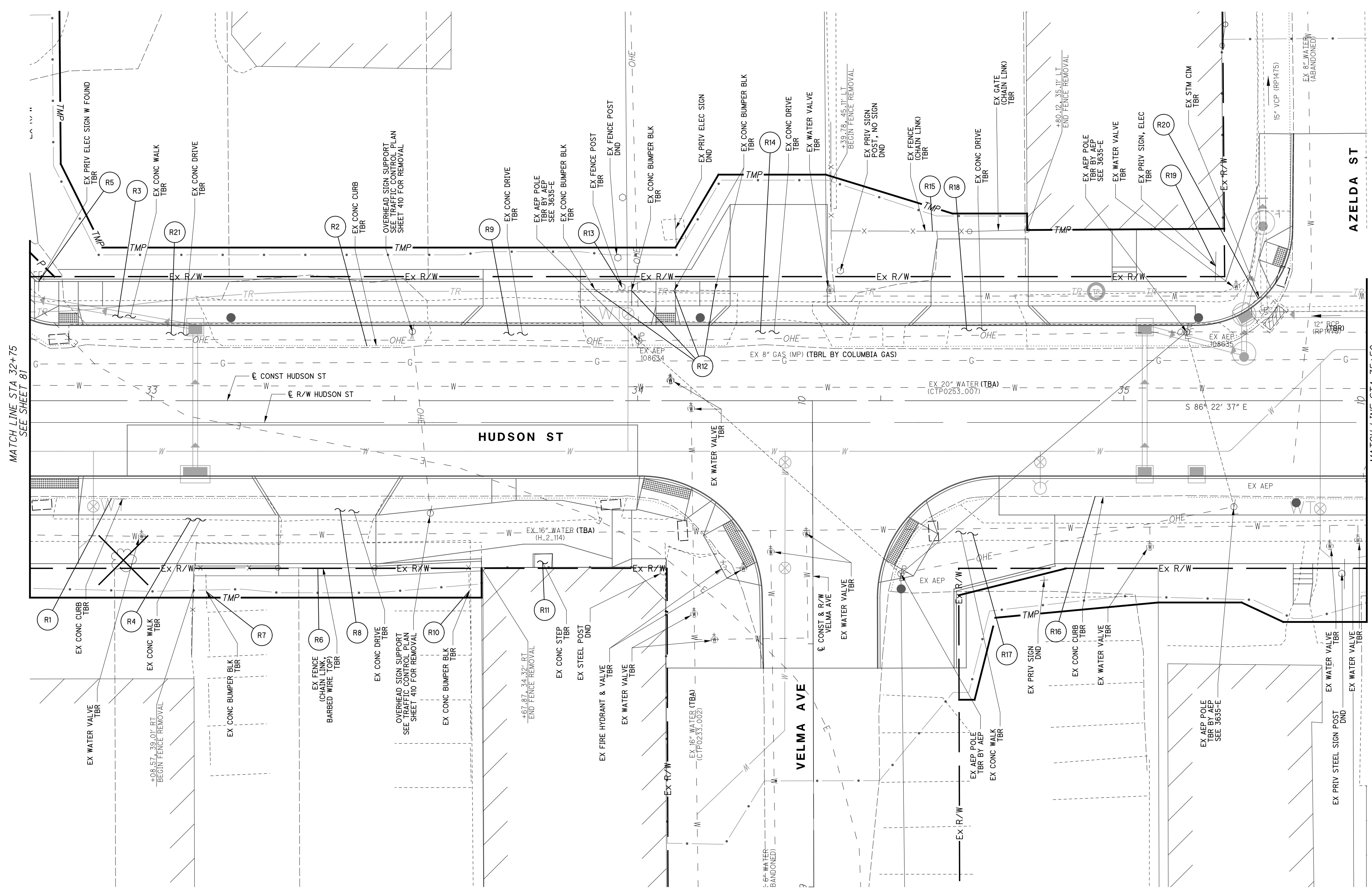
CALCULATED  
JAL  
CHECKED  
MWR

0 10 20  
HORIZONTAL  
SCALE IN FEET

DEMOLITION PLAN  
STA 30+00 TO STA 32+75

HUDSON ST

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	FT	EA	FT	FT	SF
R1	30+00	32+33	LT					269																				
R2	30+00	30+99	RT					125																				
R3	30+00	30+80	LT			88																						
R4	30+00	30+82	RT			87																						
R5	30+00	30+99	RT																								597	
R6	30+00	32+33	LT																									1430
R7	30+50		RT																	1								
R8	30+52	30+53	RT						6																			
R9	30+58		LT																		1							
R10	30+65	31+01	LT		148																							
R11	30+84		RT				1																				41	
R12	31+00	31+01	LT												13													
R13	31+25		LT				1																				26	
R14	31+25		RT								1																163	
R15	31+32	32+75	RT					168																				
R16	31+33	32+75	RT																									1091
R17	31+47		RT				1																				23	
R18	31+48	31+60	LT												12													
R19	31+49		RT																							1		
R20	30+35	30+54	LT		78																							
R21	32+13	32+27	RT		52																							
R22	32+23	32+25	LT												15													
R23	32+29		LT				1																				30	
R24	32+66	32+77	LT		312																							
R25	32+66	32+75	LT					64																				
R26	32+66	32+75	LT																									108
R27	32+71		LT				1																				42	
R28	31+25	31+75	LT																								50	
TOTALS CARRIED TO SHEET 127					590	175	5	626	6		1				40					1	1		1			375	3575 - E	3226



MATCH LINE STA 32+75  
SEE SHEET 81

MATCH LINE STA 35+50  
SEE SHEET 85

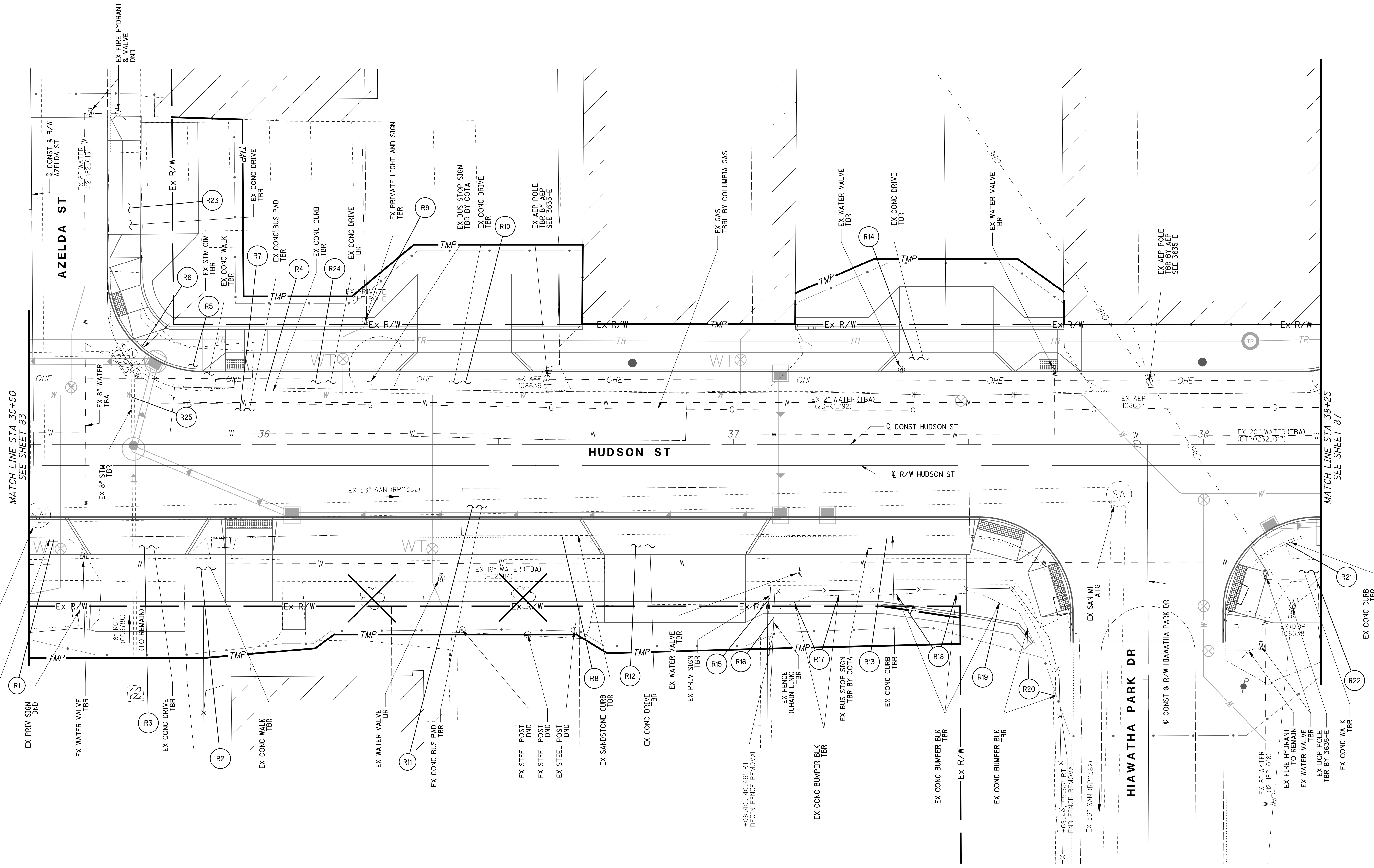
CALCULATED 0  
JAL  
CHECKED MWR

0 10 20  
HORIZONTAL  
SCALE IN FEET

**DEMOLITION PLAN**  
**STA 32+75 TO STA 35+50**

**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	32+75	34+24	RT					172																					
R2	32+75	35+35	LT					297																					
R3	32+75	35+34	LT																									1428	
R4	32+75	34+16	RT																									875	
R5	32+77		LT																			1							
R6	33+09	33+68	RT						64									1											
R7	33+11		RT																										
R8	33+24	33+48	RT			97										1													
R9	33+56	33+91	LT			152																							
R10	33+65		RT													1													
R11	33+79	33+82	RT																								3		
R12	33+88	34+18	LT													4													
R13	33+97		LT																1										
R14	34+18	34+40	LT			91																							
R15	34+40	34+80	LT						51									1											
R16	34+50	35+50	RT						125																				
R17	34+55	35+50	RT																									427	
R18	34+64	34+80	LT			111																							
R19	35+19		LT																			1							
R20	35+29		LT				1																			13			
R21	32+83	33+15	LT			127																							
TOTALS CARRIED TO SHEET 127						578		1	594	115							6	2		1	2					13	3	2730	



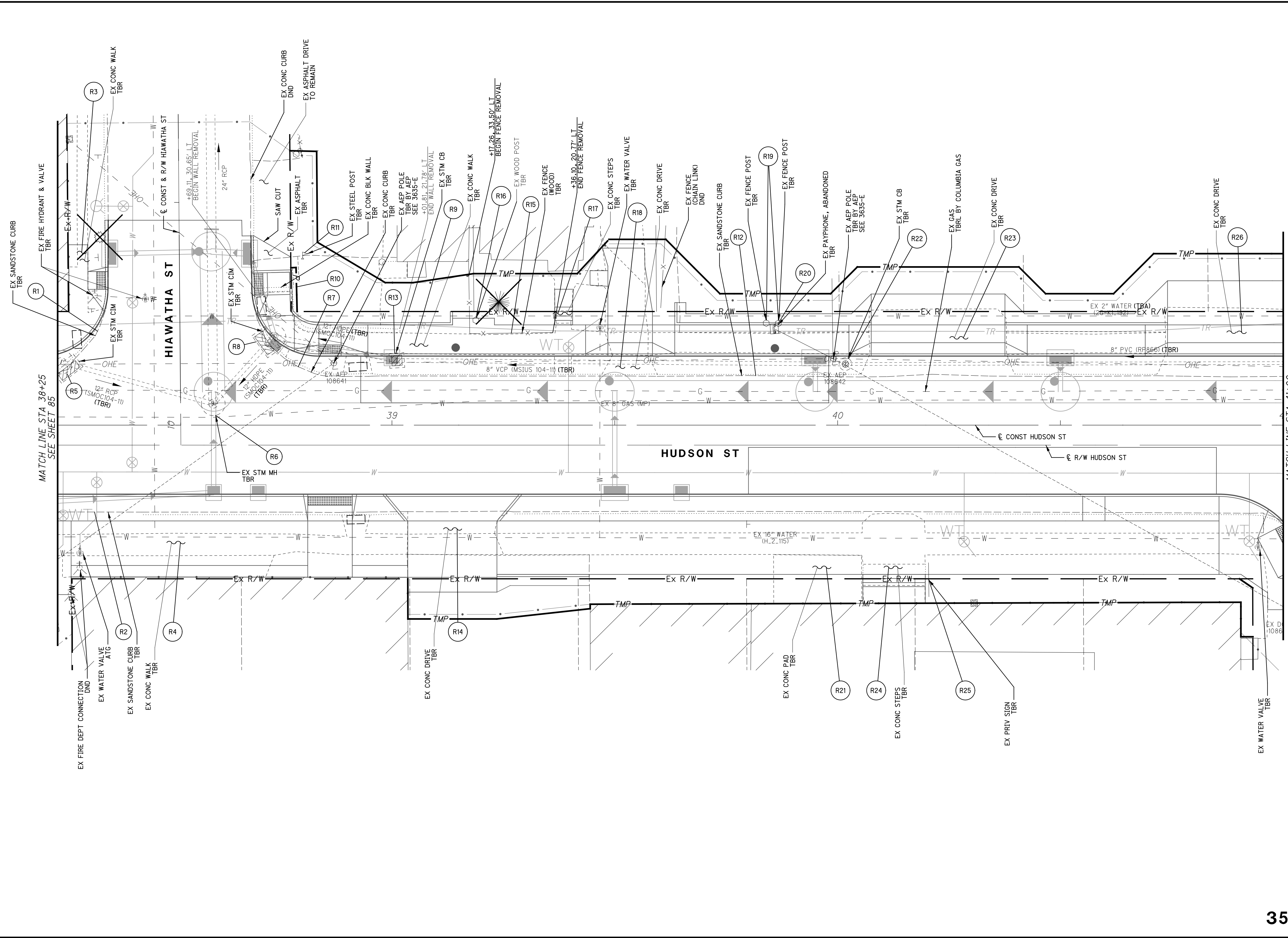
CALCULATED  
JAL  
CHECKED  
MWR

0 5 10 20  
HORIZONTAL  
SCALE IN FEET

**DEMOLITION PLAN**  
**STA 35+50 TO STA 38+25**

**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202		
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	35+50	35+88	RT					40																					
R2	35+50	37+71	RT																									1168	
R3	35+58	35+88	RT		105																								
R4	35+67	38+25	LT					309																					
R5	35+67	38+25	LT																									1891	
R6	35+72		LT				1																			43			
R7	35+80	36+90	LT			123																							
R8	35+90	37+02	RT					112																					
R9	36+22		LT																		1	1							
R10	36+28	36+63	LT		299																								
R11	36+42	37+50	RT			121																							
R12	36+69	37+05	RT		305																								
R13	37+02	37+72	RT					87																					
R14	37+07	37+77	LT		605																								
R15	37+08		RT																			1							
R16	37+09	37+67	RT					88																					
R17	37+10	37+22	RT																										
R18	37+35	37+47	RT													2													
R19	37+56		RT													2													
R20	37+63	37+69	RT													1													
R21	38+05	38+25	RT					35																					
R22	38+05	38+25	RT																									152	
R23	35+67	35+74	LT		164																								
R24	35+98	36+20	LT		169																								
R25	35+72		LT/RT																							27			
TOTALS CARRIED TO SHEET 127					1647	244	1	583	88							7						1	1	1			70	3575 - E	3211



CALCULATED  
JAL  
CHECKED  
MWR

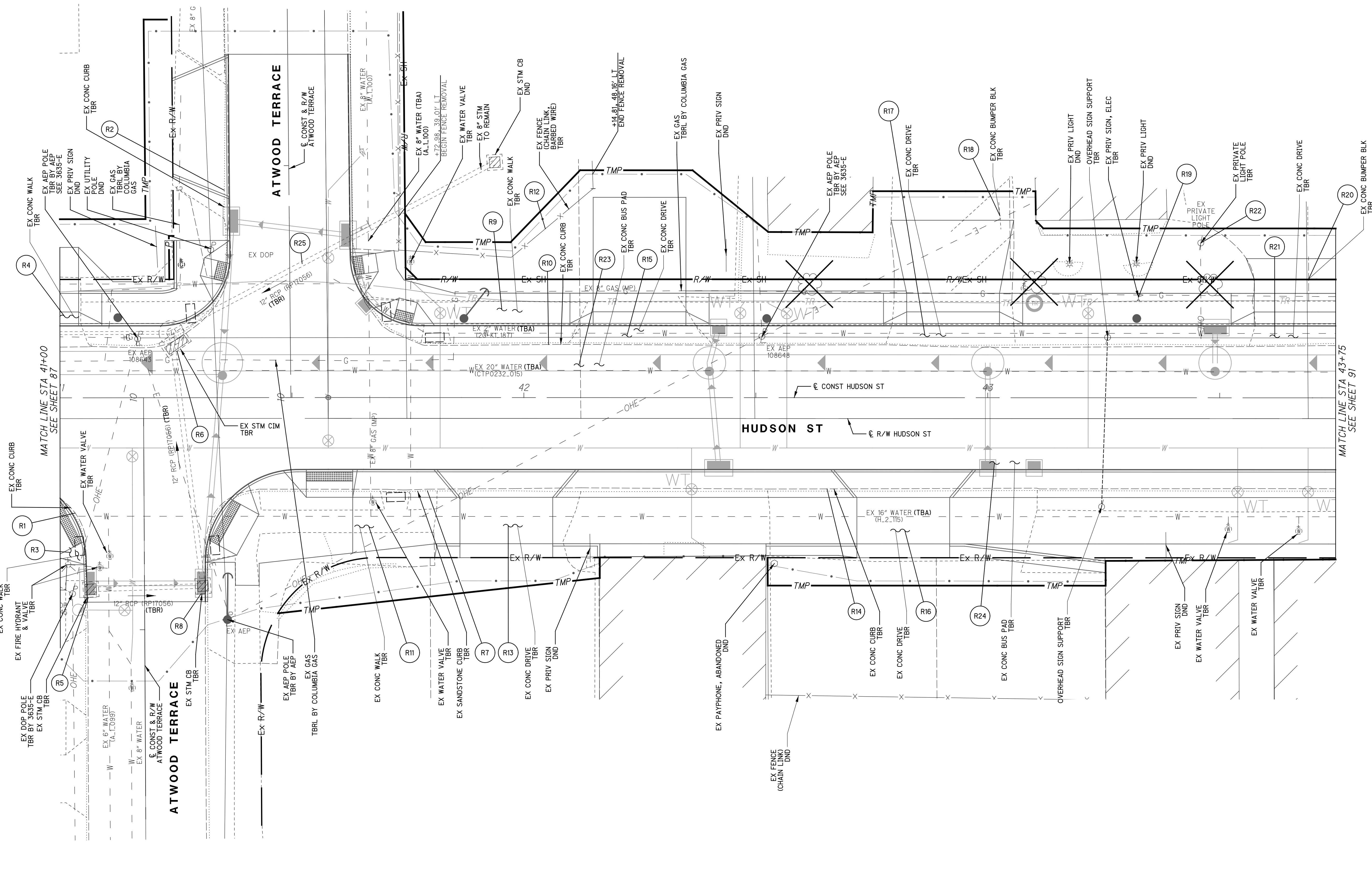
0 10 20  
5  
HORIZONTAL  
SCALE IN FEET

**DEMOLITION PLAN**  
**STA 38+25 TO STA 41+00**

**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	38+25	38+36	LT					39																					
R2	38+25	41+00	RT					276																					
R3	38+25	38+35	LT																									136	
R4	38+25	41+00	RT																									1760	
R5	38+26		LT				1																			35			
R6	38+60		LT									1														39			
R7	38+68	38+95	LT					51																					
R8	38+69		LT				1																			20			
R9	38+69	41+00	LT																									938	
R10	38+69	39+02	LT												40														
R11	38+80		LT																										
R12	38+95	41+00	LT					205													1								
R13	39+01		LT	1																							28		
R14	39+03	39+26	RT			103																							
R15	39+17	39+36	LT						32																				
R16	39+19		LT																										
R17	39+37	39+41	LT																		1							4	
R18	39+47	39+60	LT			213																							
R19	39+84	39+87	LT																		2								
R20	39+86		LT																1										
R21	39+86	40+05	RT				24																						
R22	40+02		LT	1																							101		
R23	40+05	40+40	LT			451																							
R24	40+06	40+20	RT																								5		
R25	40+20		RT																				1						
R26	40+71	41+00	LT			473																							
TOTALS CARRIED TO SHEET 127				2		1240	24	2	571	32		1				40				1	4	1				223	9	2834	





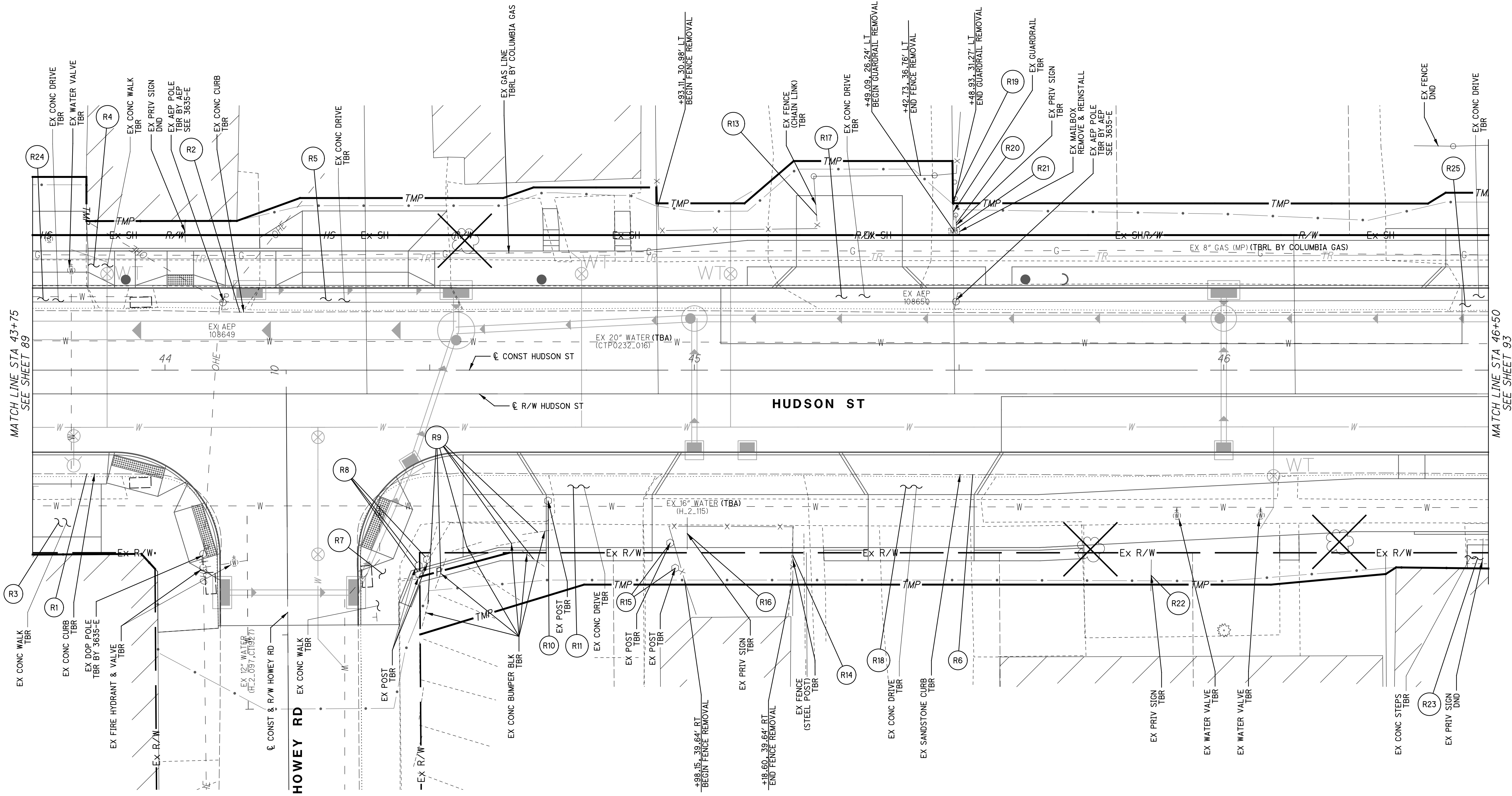
CALCULATED  
JAL  
CHECKED  
MWR

0 10 20  
HORIZONTAL  
SCALE IN FEET

**DEMOLITION PLAN**  
**STA 41+00 TO STA 43+75**

**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	41+00	41+06	RT					24																					
R2	41+00	41+36	LT					92																					
R3	41+00	41+05	RT																									77	
R4	41+00	41+36	LT																									127	
R5	41+00	41+07	RT	1																						24			
R6	41+24		LT				1																			122			
R7	41+31	41+85	RT					78																					
R8	41+31		RT	1																						55			
R9	41+32	43+75	LT																									1030	
R10	41+63	43+75	LT					267																					
R11	41+63	43+75	RT																									1718	
R12	41+73	42+15	LT						58																				
R13	41+80	42+12	RT			417																							
R14	41+85	43+75	RT					190																					
R15	42+10	42+40	LT			114																							
R16	42+53	43+11	RT			845																							
R17	42+78	43+06	LT			117																							
R18	43+03		LT																										
R19	43+32		LT																		1								
R20	43+42		LT																										
R21	43+56	43+75	LT			79																							
R22	43+46		LT																			1							
R23	41+88	42+99	LT				121																						
R24	42+78	43+75	RT				103																						
R25	41+24	41+67	LT																							48			
TOTALS CARRIED TO SHEET 127				2		1572	224	1	651	58							2					1	1			249		3575 - E	2952



MATCH LINE STA 43+75  
SEE SHEET 89

MATCH LINE STA 46+50  
SEE SHEET 93

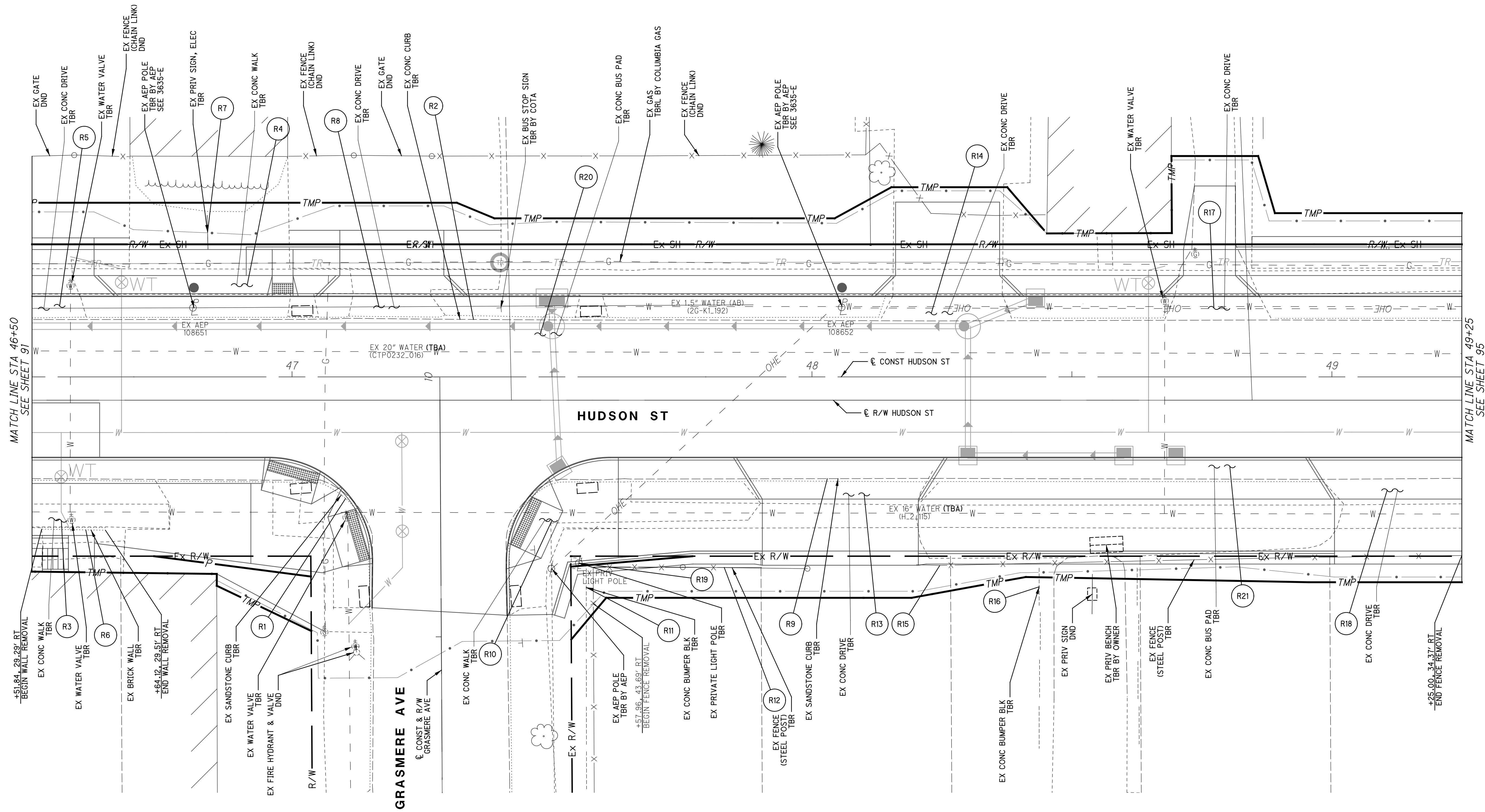
CALCULATED  
JAL  
CHECKED  
MWR

0 5 10 20  
HORIZONTAL  
SCALE IN FEET

DEMOLITION PLAN  
STA 43+75 TO STA 46+50

HUDSON ST





MATCH LINE STA 46+50  
SEE SHEET 91

MATCH LINE STA 49+25  
SEE SHEET 95

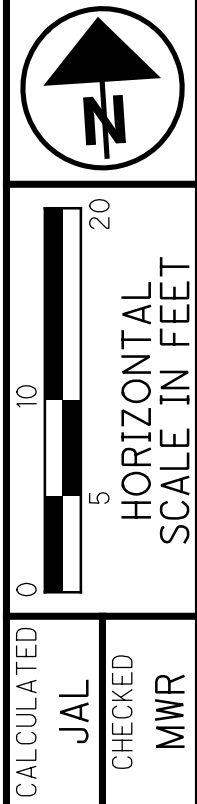
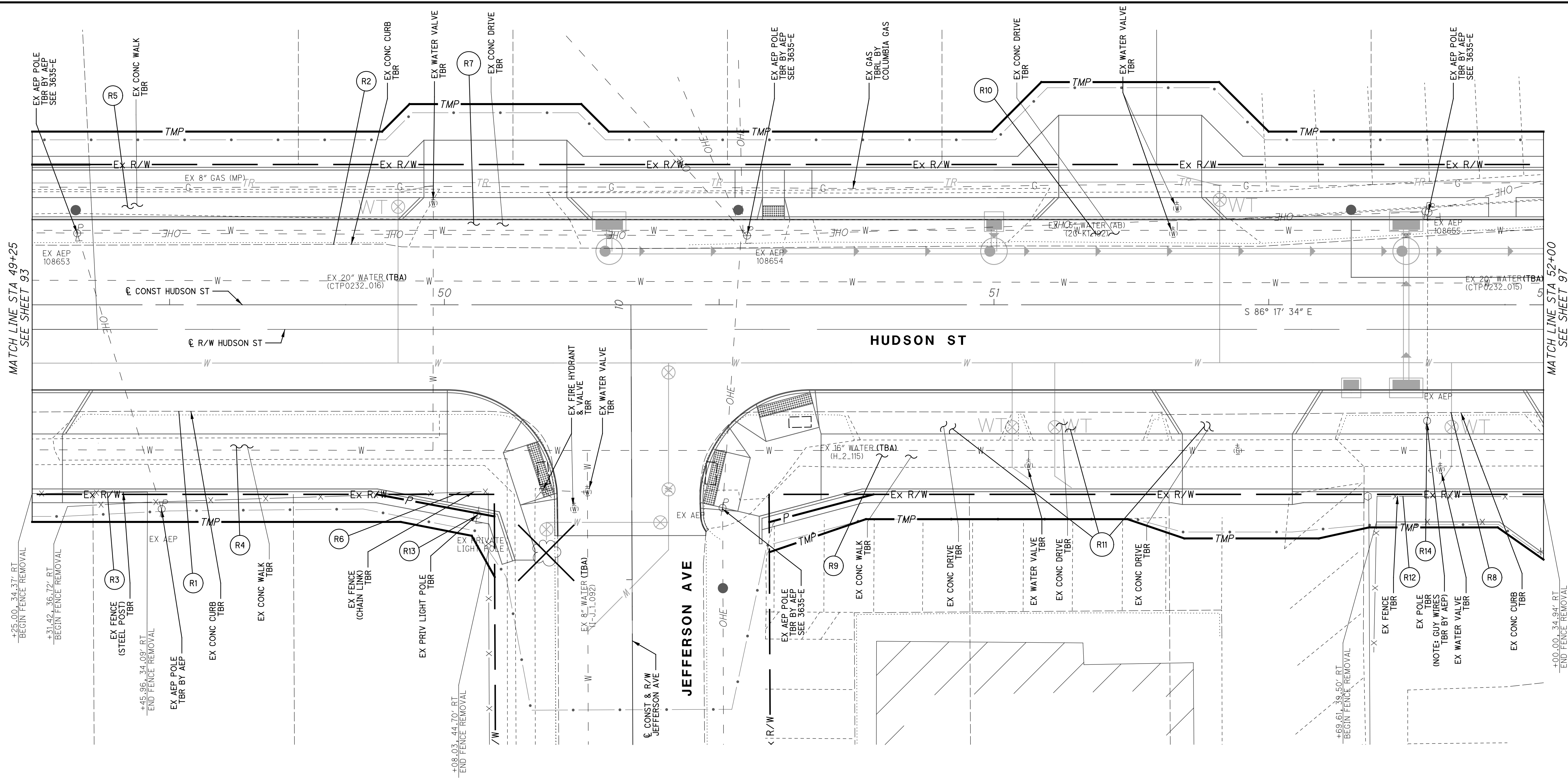
CALCULATED  
JAL  
CHECKED  
MWR

0 5 10 20  
HORIZONTAL  
SCALE IN FEET

**DEMOLITION PLAN**  
**STA 46+50 TO STA 49+25**

**HUDSON ST**





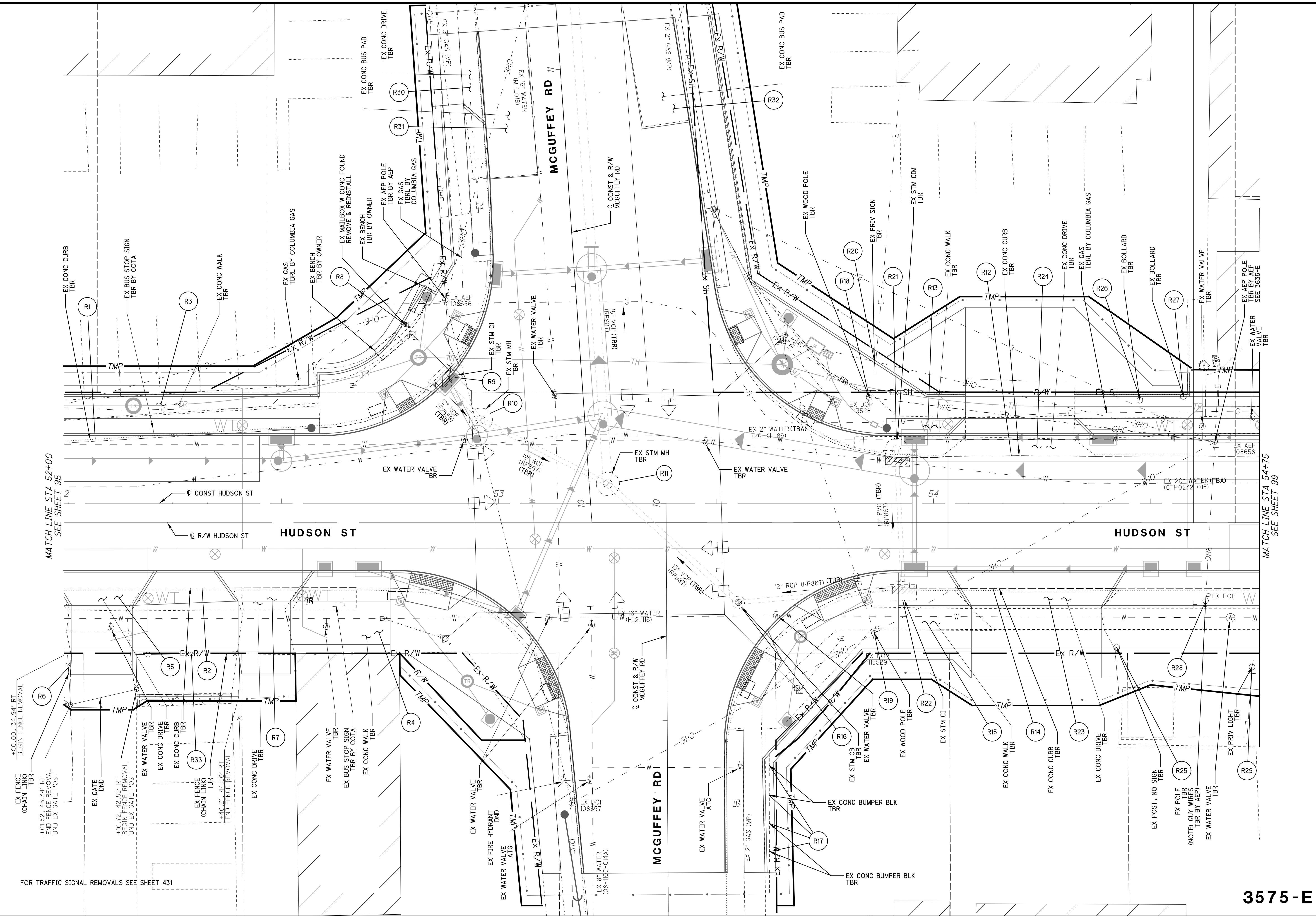
**DEMOLITION PLAN**  
**STA 49+25 TO STA 52+00**

**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202		
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	49+25	50+20	RT					113																					
R2	49+25	52+00	LT					275																					
R3	49+25	49+46	RT						21																				
R4	49+25	50+20	RT																								610		
R5	49+25	52+00	LT																								1332		
R6	49+31	50+08	RT							90																			
R7	49+94	50+25	LT		146																								
R8	50+45	52+00	RT					171																					
R9	50+47	52+00	RT																									903	
R10	50+73	51+64	RT			419																							
R11	51+03	51+49	LT			205																							
R12	51+70	52+00	RT						35																				
R13	50+06		RT																		1								
R14	51+78		RT																					1					
TOTALS CARRIED TO SHEET 127					770			559	146																				

<b>REMOVAL SUBSUMMARY</b>	<b>HUDSON ST</b>
<b>3575 - E</b>	2845
CALCULATED JAL CHECKED MWR	96 535





FOR TRAFFIC SIGNAL REMOVALS SEE SHEET 431

MATCH LINE STA 52+00  
SEE SHEET 95

MATCH LINE STA 54+75  
SEE SHEET 99

CALCULATED  
JAL  
CHECKED  
MWR

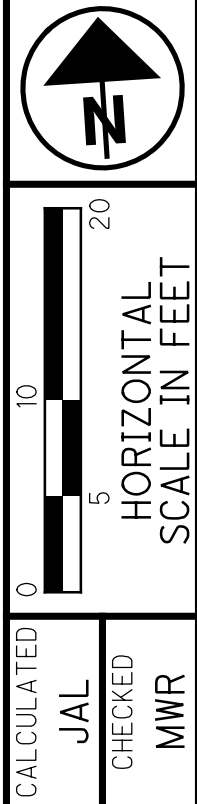
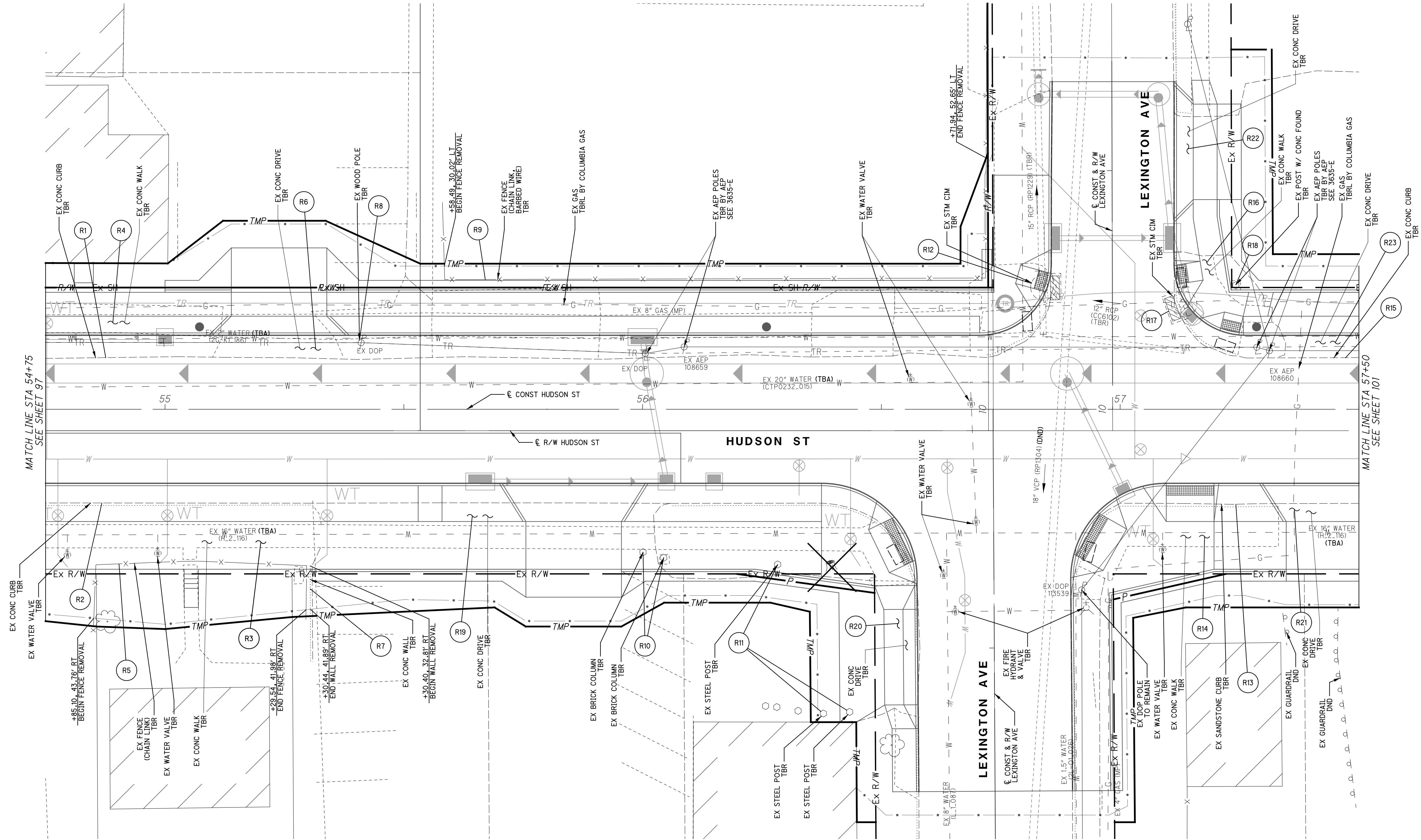
0 5 10 20  
HORIZONTAL  
SCALE IN FEET

DEMOLITION PLAN  
STA 52+00 TO STA 54+75

HUDSON ST

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	52+00	52+98	LT					175																					
R2	52+00	53+15	RT					166																					
R3	52+00	52+97	LT																									1192	
R4	52+00	53+15	RT																									1432	
R5	52+00	52+19	RT			87																							
R6	52+00	52+02	RT						12																				
R7	52+39	52+55	RT			62																							
R8	52+79		LT								1																		
R9	52+87		LT	1																								12	
R10	52+96		LT									1																33	
R11	53+25		LT									1																55	
R12	53+40	54+75	LT					208																					
R13	53+50	54+75	LT																									1273	
R14	53+52	54+75	RT					171																				1085	
R15	53+53	54+75	RT																										
R16	53+55		RT	1																								41	
R17	53+62		RT																										
R18	53+85		LT													4													
R19	53+86		RT																									1	
R20	53+86		LT																			1							
R21	53+92		LT								1																	32	
R22	53+93		RT	1																								38	
R23	54+05	54+43	RT			139																							
R24	54+08	54+32	LT			114																							
R25	54+42		RT																										
R26	54+47		LT																										
R27	54+57		LT																										
R28	54+63		RT																										
R29	54+73		RT																										
R30	52+91	52+96	LT			75																							
R31	52+95	53+09	LT				41																						
R32	53+29	53+44	LT				29																						
R33	52+17	52+40	RT						42																				
TOTALS CARRIED TO SHEET 127				3		477	70	1	720	54		1	2				4			3	1	1			3	211		3575 - E	4982

FOR DISPOSITION OF EXISTING WATER LINE, SEE WATER WORK PLANS, SHEETS 362 - 393



**DEMOLITION PLAN**  
**STA 54+75 TO STA 57+50**

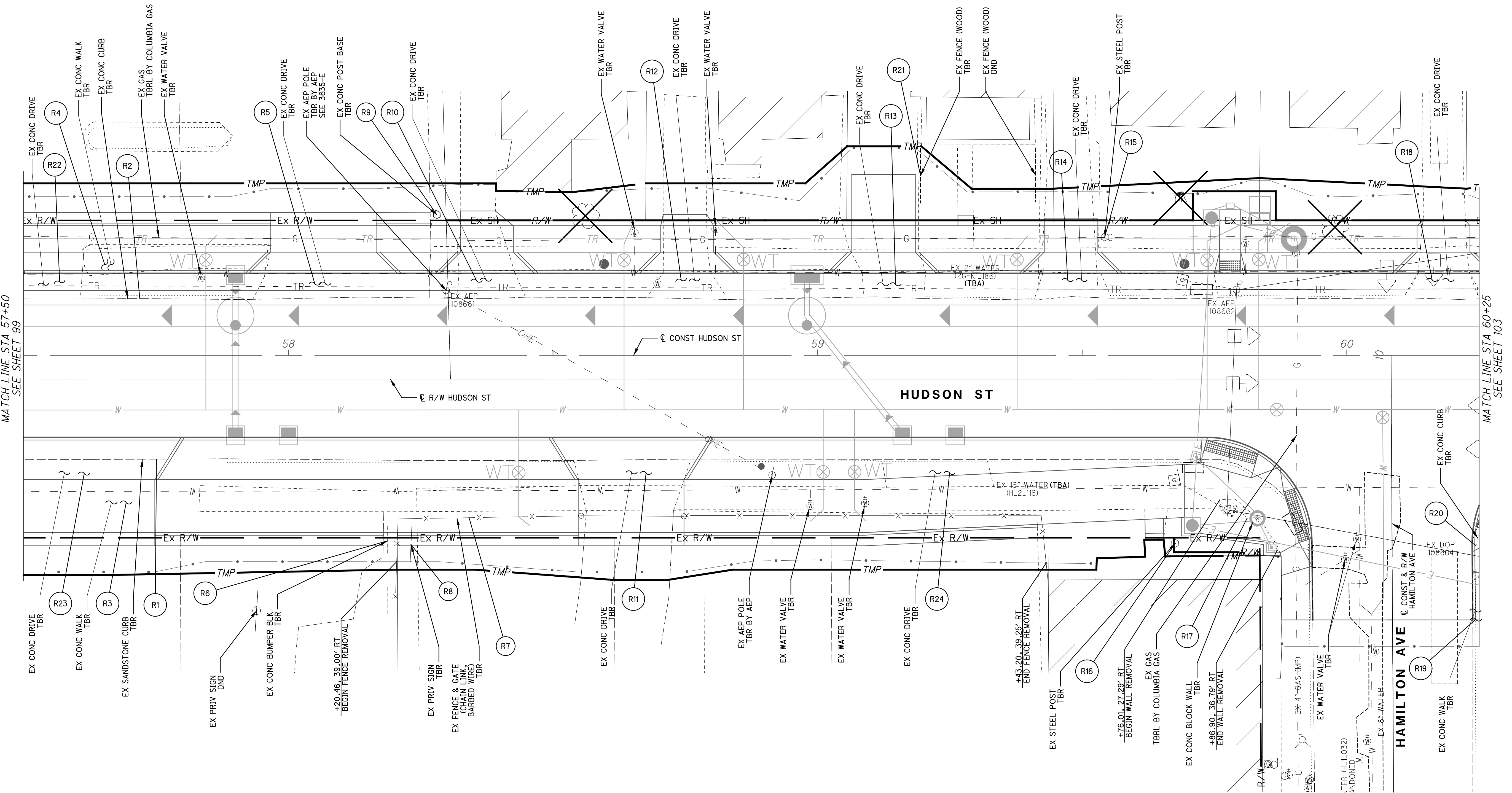
**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202		
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	FT	EA	FT	FT	SF	
R1	54+75	56+85	LT					262																					
R2	54+75	56+57	RT					234																					
R3	54+75	56+57	RT																									1111	
R4	54+75	56+84	LT																									1557	
R5	54+85	55+30	RT						65																				
R6	55+12	55+36	LT		105																								
R7	55+30	55+30	RT													9													
R8	55+41		LT																						1				
R9	55+58	56+72	LT						141																				
R10	56+00	56+04	RT									2																	
R11	56+28	56+54	RT																	3									
R12	56+84		LT				1																			46			
R13	56+90	57+50	RT					114																					
R14	56+90	57+50	RT																									661	
R15	57+11	57+50	LT					91																					
R16	57+12	57+50	LT																									248	
R17	57+13		LT				1																						
R18	57+24		LT																	1							29		
R19	55+31	56+06	RT		332																								
R20	56+51	56+57	RT		139																								
R21	57+33	57+50	RT		77																								
R22	57+12	57+25	LT		353																								
R23	57+32	57+50	LT		166																								
TOTALS CARRIED TO SHEET 127					1172		2	701	206				2			9				4					1	75	3575 - E	3577	

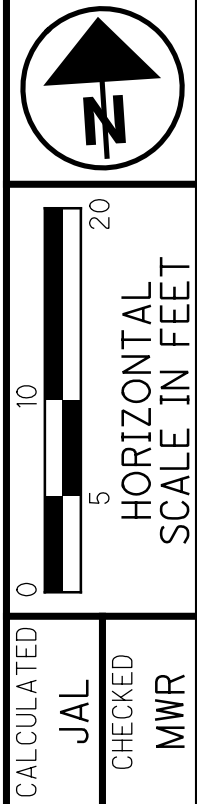
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FOR TRAFFIC SIGNAL REMOVALS SEE SHEET 435

MATCH LINE STA 57+50  
SEE SHEET 99



MATCH LINE STA 60+25  
SEE SHEET 103



DEMOLITION PLAN  
STA 57+50 TO STA 60+25

HUDSON ST

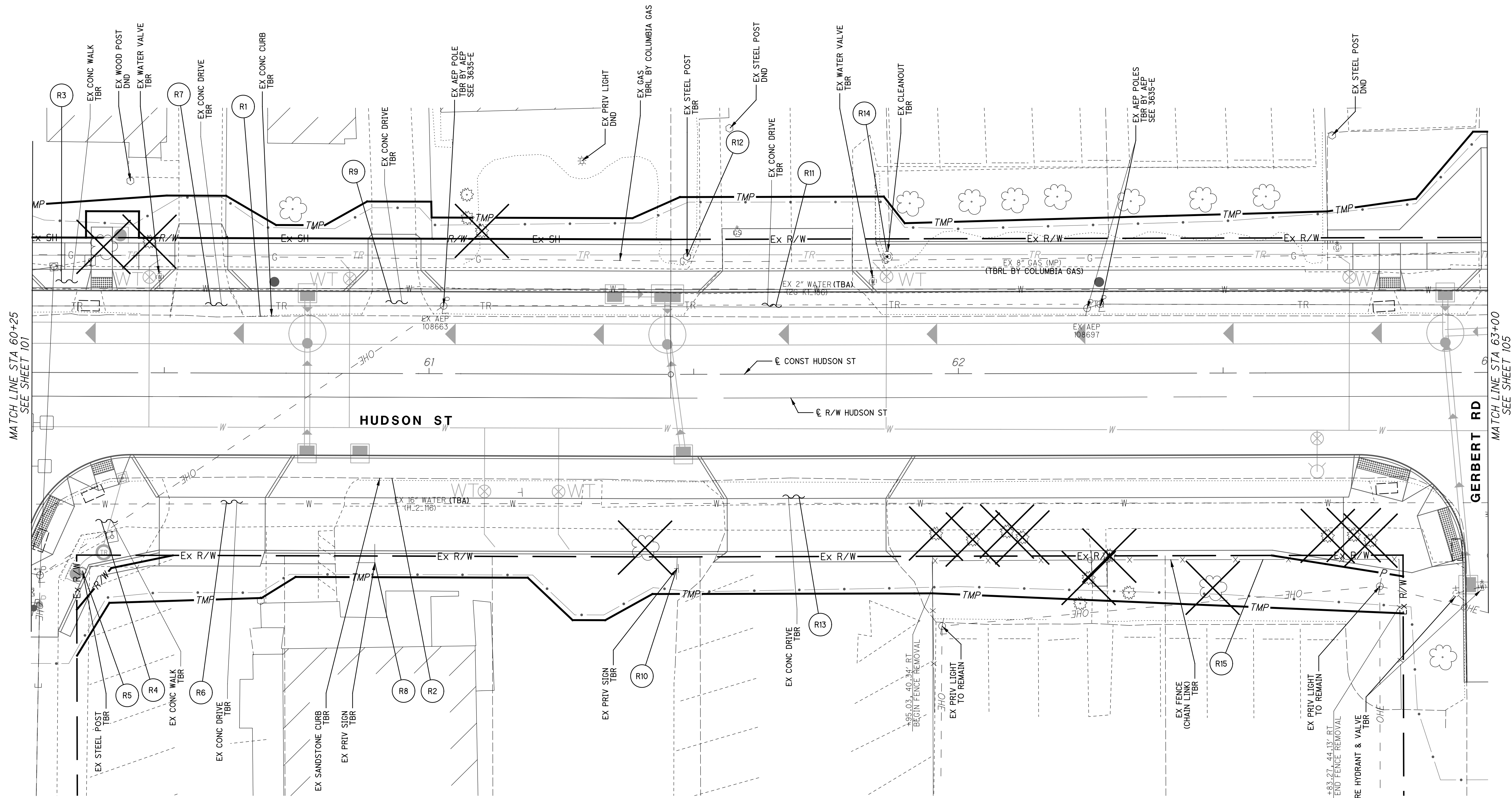
101  
535

3575-E

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	57+50	59+93	RT					265																					
R2	57+50	60+25	LT					275																					
R3	57+50	59+93	RT																									1110	
R4	57+50	60+25	LT																									1346	
R5	57+93	58+27	LT			174																							
R6	58+19		RT																										
R7	58+21	59+43	RT						139																				
R8	58+23		RT																										
R9	58+28		LT																										
R10	58+32	58+45	LT			111																							
R11	58+54	58+76	RT			102																							
R12	58+68	58+83	LT			83																							
R13	59+08	59+20	LT			58																							
R14	59+41	59+55	LT			62																							
R15	59+54		LT																										
R16	59+68		RT																										
R17	59+80	59+86	RT																										
R18	60+11	60+25	LT			63																							
R19	60+23	60+25	RT																										
R20	60+24	60+25	RT					19																				10	
R21	59+19		LT						10																				
R22	57+50	57+61	LT			103																							
R23	57+50	57+88	RT			174																							
R24	59+12	59+33	RT			104																							
TOTALS CARRIED TO SHEET 127						1034		559	149							11	1	1		3									3575 - E
																													2466

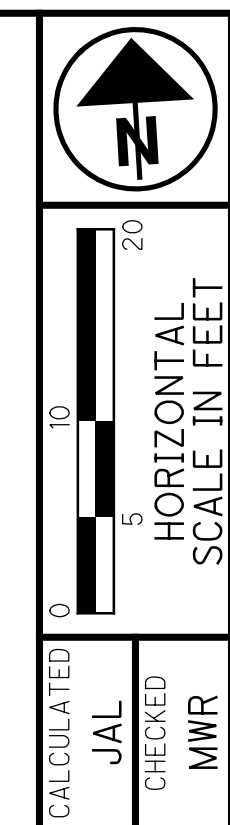
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FOR TRAFFIC SIGNAL REMOVALS SEE SHEET 435



MATCH LINE STA 60+25  
SEE SHEET 101

MATCH LINE STA 63+00  
SEE SHEET 105



CALCULATED	JAL
CHECKED	MWR

**DEMOLITION PLAN**  
**STA 60+25 TO STA 63+00**

**HUDSON ST**

3575-E

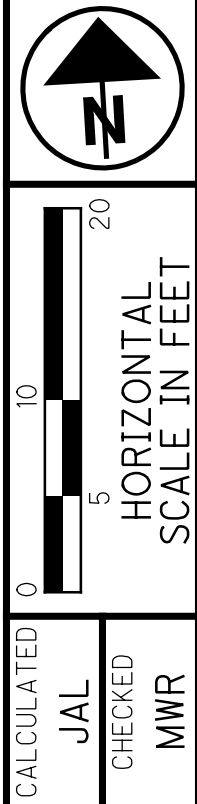
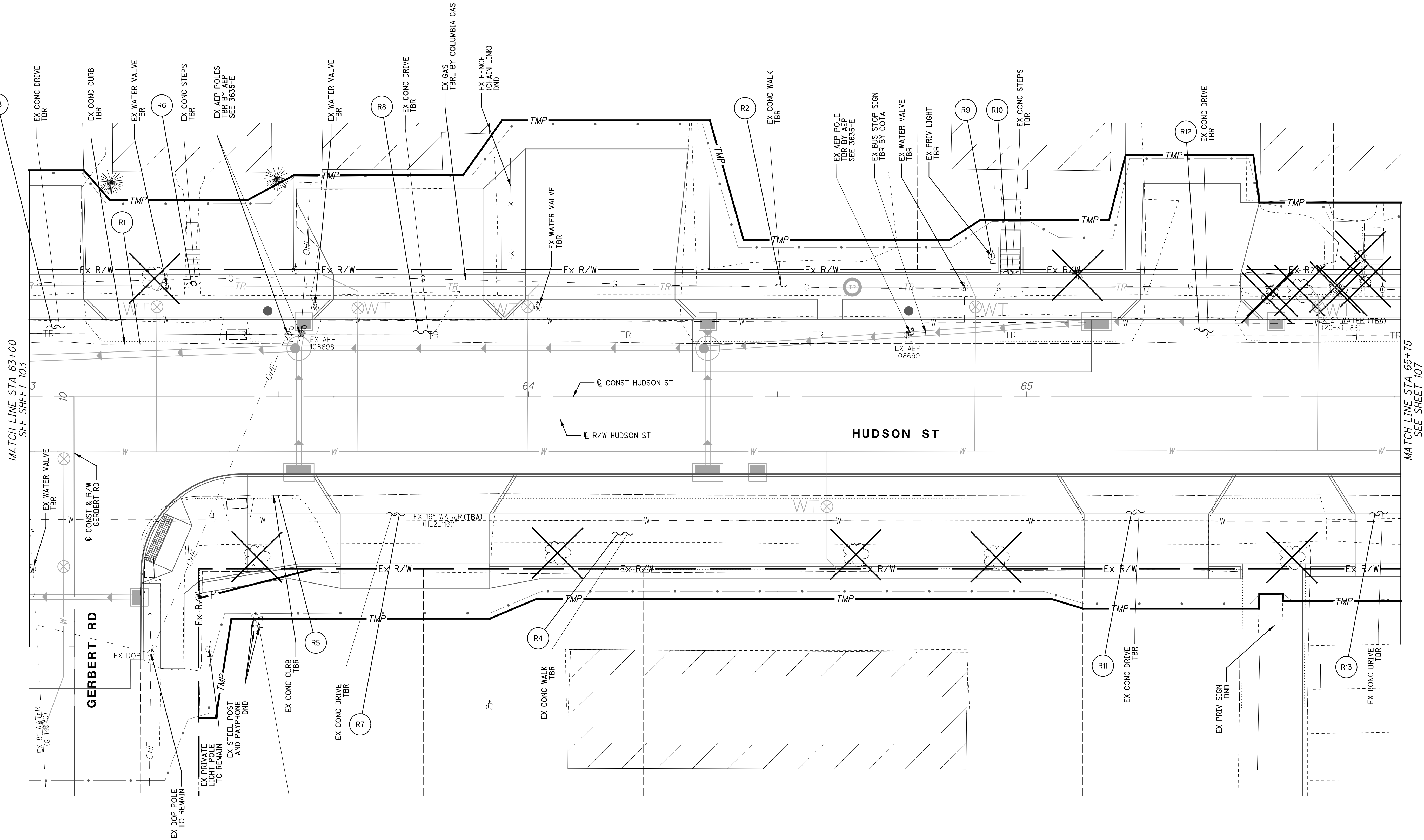
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535

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REFERENCE. NO.	STATION		SIDE	202																										
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED	
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	FT	EA	FT	FT	SF	
R1	60+25	63+00	LT					275																						
R2	60+25	62+95	RT					309																						
R3	60+25	63+00	LT																									1265		
R4	60+25	62+95	RT																									1574		
R5	60+35		RT																		1									
R6	60+50	60+87	RT		180																									
R7	60+51	60+65	LT		129																									
R8	60+64		RT																					1						
R9	60+87	61+01	LT		106																									
R10	61+47		RT																					1						
R11	61+48	61+86	LT		343																									
R12	61+49		LT																		1									
R13	61+52	61+89	RT		161																									
R14	61+87		LT																											
R15	62+32	62+83	RT						102						1															

CALCULATED	JAL	CHECKED	MWR
<b>REMOVAL SUBSUMMARY</b>			
<b>HUDSON ST</b>			
			<b>3575 - E</b>
			2839





CALCULATED  
JAL  
CHECKED  
MWR

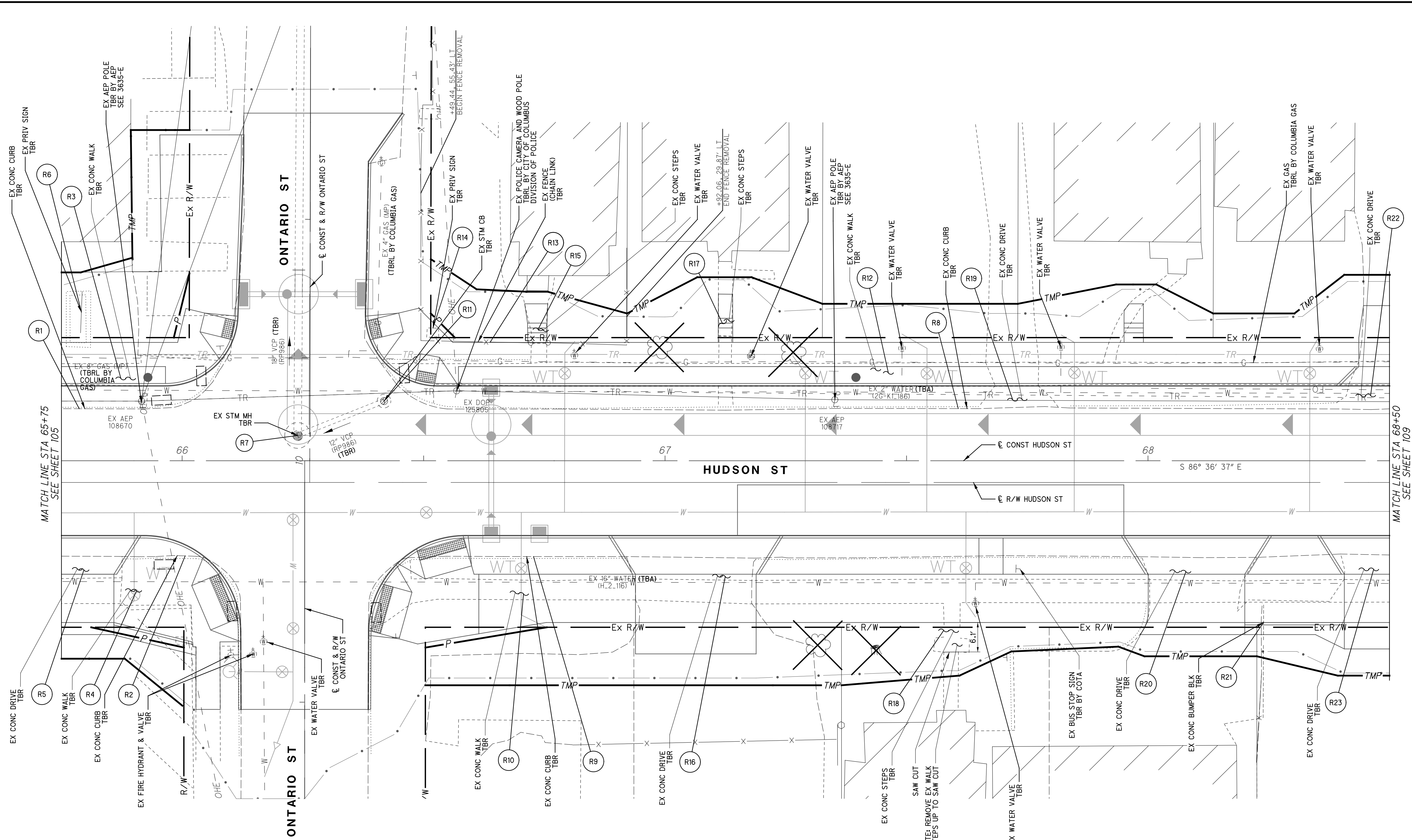
**DEMOLITION PLAN**  
**STA 63+00 TO STA 65+75**

**HUDSON ST**

105  
535

3575-E





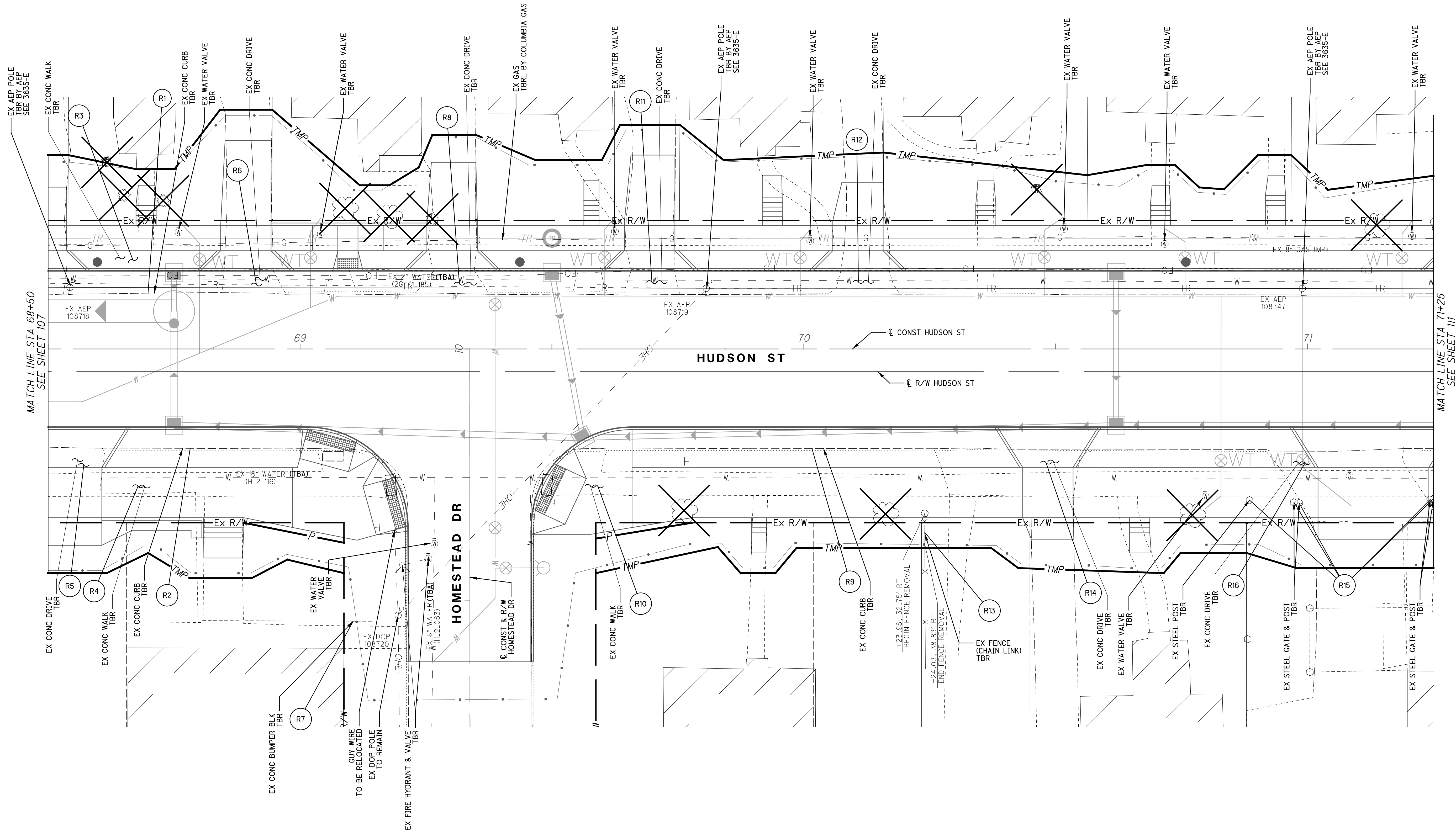
CALCULATED  
JAL  
CHECKED  
MWR

0 5 10  
HORIZONTAL  
SCALE IN FEET

**DEMOLITION PLAN**  
**STA 65+75 TO STA 68+50**

**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202		
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED	
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
R1	65+75	66+12	LT					40																						
R2	65+75	66+12	RT					64																						
R3	65+75	66+08	LT																									214		
R4	65+75	66+12	RT																									433		
R5	65+75	65+88	RT			57																								
R6	65+79		LT																											
R7	66+25		LT									1												1						
R8	66+38	68+50	LT					213																	34					
R9	66+39	68+50	RT					238																						
R10	66+42	68+50	RT																									1015		
R11	66+39		LT	1																						19				
R12	66+41	68+50	LT																									1107		
R13	66+49	66+92	RT						79																					
R14	66+52		LT																											
R15	66+72	66+75	LT																								2			
R16	66+92	67+19	RT			114																								
R17	67+11	67+14	LT																									2		
R18	67+58	67+61	RT																									2		
R19	67+65	67+81	LT			53																								
R20	67+99	68+23	RT			99																								
R21	68+24		RT																											
R22	68+39	68+54	LT			65																								
R23	68+38	68+50	RT			50																								
TOTALS CARRIED TO SHEET 127				1	438			555	79			1					1										2	53	6	2769



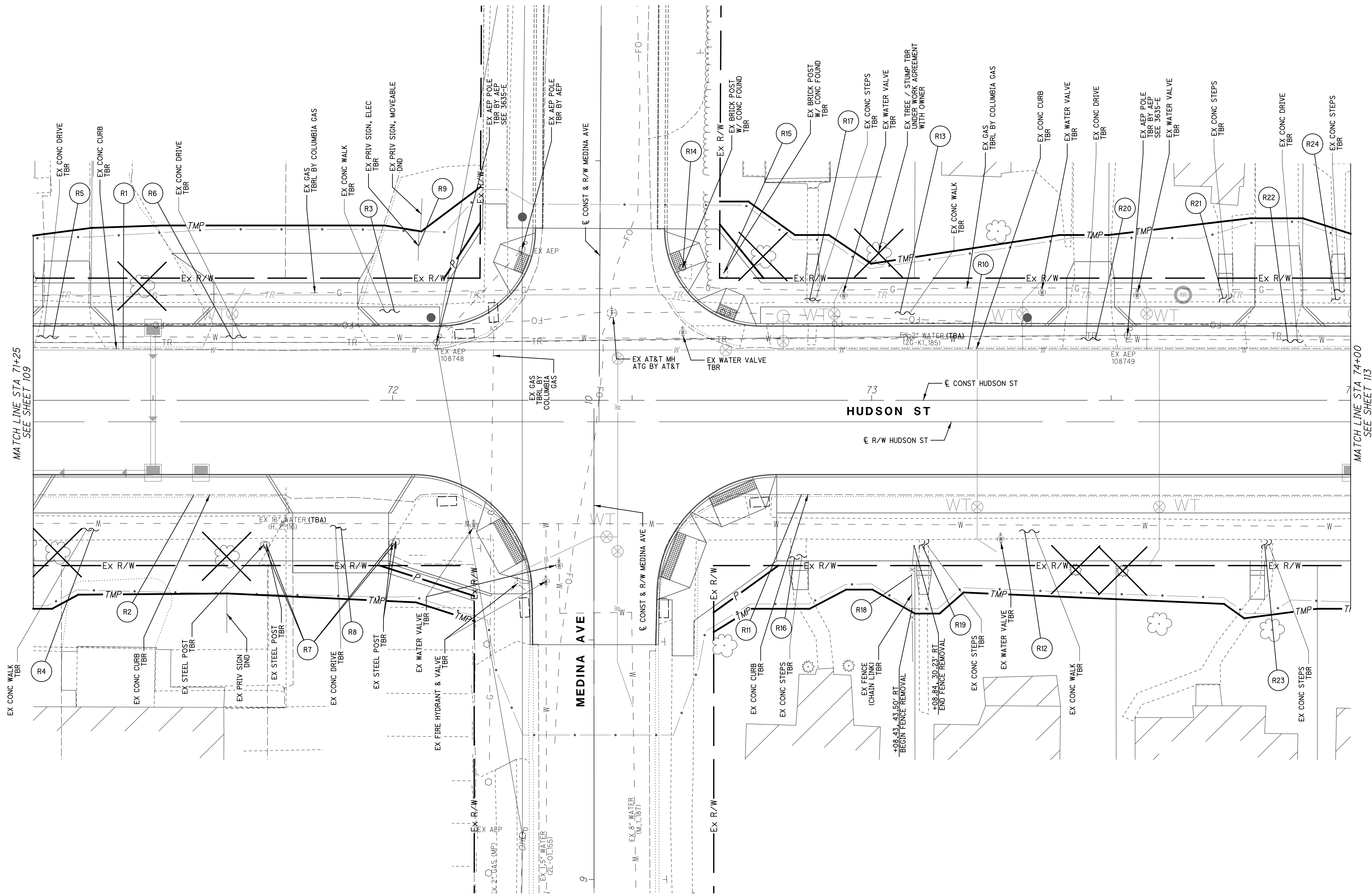
CALCULATED  
JAL  
CHECKED  
MWR

0 5 10 20  
HORIZONTAL  
SCALE IN FEET

**DEMOLITION PLAN**  
**STA 68+50 TO STA 71+25**

**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	68+50	71+25	LT					275																					
R2	68+50	69+21	RT					109																					
R3	68+50	69+21	RT																										474
R4	68+50	71+25	LT																										1646
R5	68+50	68+61	RT			56																							
R6	68+85	68+97	LT			49																							
R7	69+07	69+14	RT																										
R8	69+23	69+37	LT			54																							
R9	69+46	71+25	RT					217																					
R10	69+46	71+25	RT																										956
R11	69+64	69+75	LT			49																							
R12	70+05	70+19	LT			54																							
R13	70+24		RT						6																				
R14	70+26	70+57	RT			136																							
R15	70+89	71+24	RT															1		5									
R16	70+92	71+26	RT			128																							
TOTALS CARRIED TO SHEET 127						526			601	6							1	1		5									3575 - E
																												3076	



MATCH LINE STA 71+25  
 SEE SHEET 109

MATCH LINE STA 74+00  
 SEE SHEET 113

CALCULATED  
 JAL  
 CHECKED  
 MWR

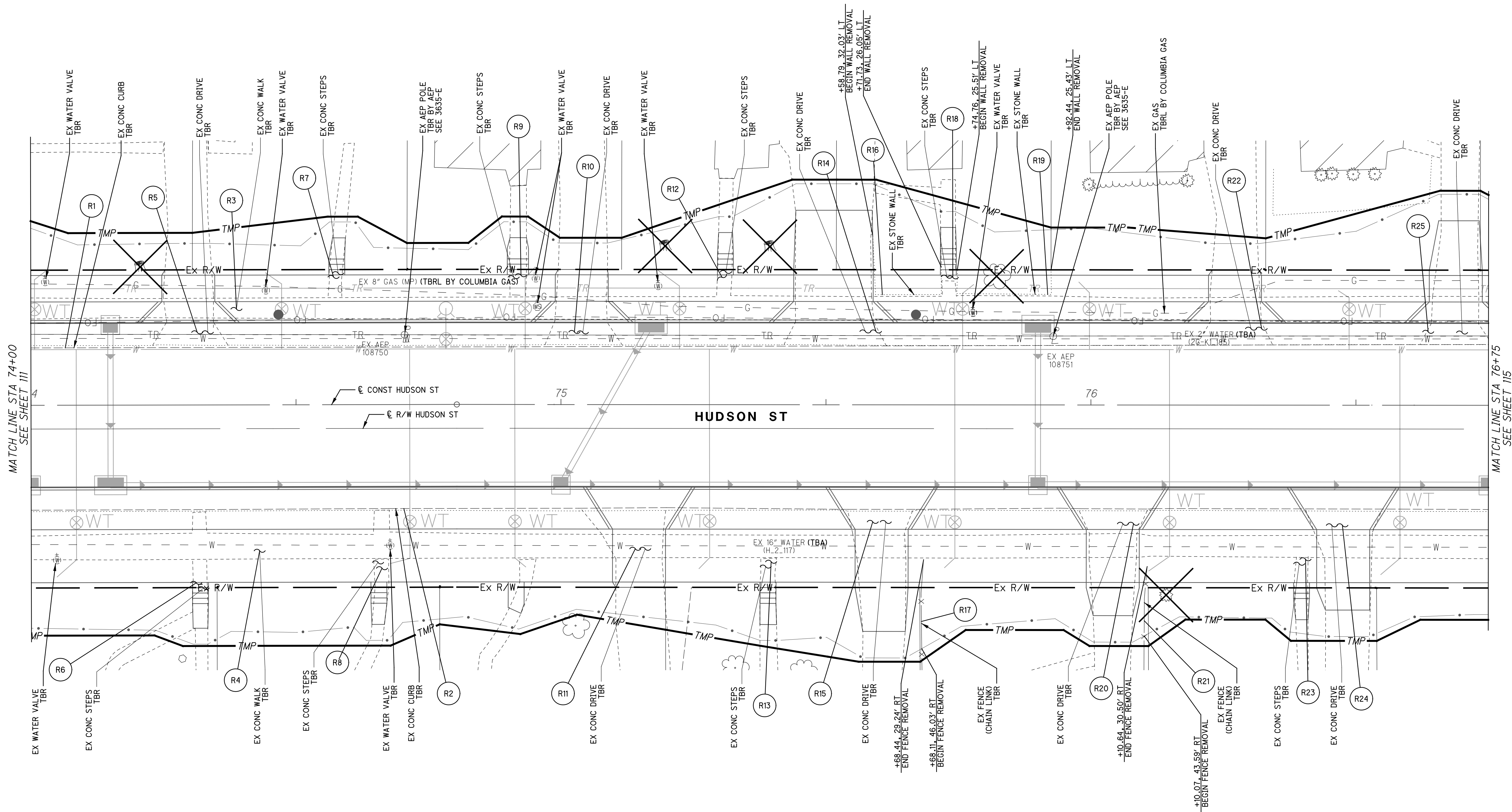
0 10 20  
 HORIZONTAL  
 SCALE IN FEET

**DEMOLITION PLAN**  
**STA 71+25 TO STA 74+00**

**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	71+25	72+31	LT					122																					
R2	71+25	72+29	RT					128																					
R3	71+25	72+27	LT																									572	
R4	71+25	72+29	RT																									548	
R5	71+25		LT		61																								
R6	71+60	71+96	LT		154																								
R7	71+73	72+01	RT																										
R8	71+78	72+05	RT		354													1		4									
R9	72+05		LT																										
R10	72+54	74+00	LT					162														1							
R11	72+56	74+00	RT					168																					
R12	72+56	74+00	RT																									865	
R13	72+58	74+00	LT																									737	
R14	72+61		LT																										
R15	72+69		LT																										
R16	72+82	72+87	RT																									2	
R17	72+86	72+89	LT																									1	
R18	73+08	73+09	RT						13																			3	
R19	73+09	73+12	RT																									3	
R20	73+40	73+51	LT		52																								
R21	73+72	73+75	LT																									2	
R22	73+78	73+91	LT		57																								
R23	73+81	73+84	RT																									3	
R24	73+96	73+99	LT																									3	
TOTALS CARRIED TO SHEET 127					678			580	13									1		6		1					14	2722	





CALCULATED  
JAL  
CHECKED  
MWR

0 10 20  
HORIZONTAL  
SCALE IN FEET

DEMOLITION PLAN  
STA 74+00 TO STA 76+75

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	FT	EA	FT	FT	SF
R1	74+00	76+75	LT					275																				
R2	74+00	76+75	RT					275																				
R3	74+00	76+75	LT																									1300
R4	74+00	76+75	RT																									1414
R5	74+23	74+37	LT		57																							
R6	74+30	74+33	RT																									4
R7	74+56	74+59	LT																									3
R8	74+64	74+68	RT																									3
R9	74+90	74+94	LT																									2
R10	74+97	75+12	LT		58																							
R11	75+04	75+20	RT			63																						
R12	75+30	75+33	LT																									3
R13	75+38	75+41	RT																									3
R14	75+42	75+61	LT			80																						
R15	75+53	75+67	RT			49																						
R16	75+59	75+72	LT																									
R17		75+68	RT						17															31				
R18	75+72	75+76	LT																									3
R19	75+75	75+92	LT																									
R20	75+98	76+11	RT		47																			28				
R21	76+10	76+11	RT							13																		
R22	76+20	76+34	LT			54																						
R23	76+38	76+41	RT																									3
R24	76+40	76+55	RT			58																						
R25	76+62	76+75	LT			49																						
TOTALS CARRIED TO SHEET 127					515			550	30															59			24	2714

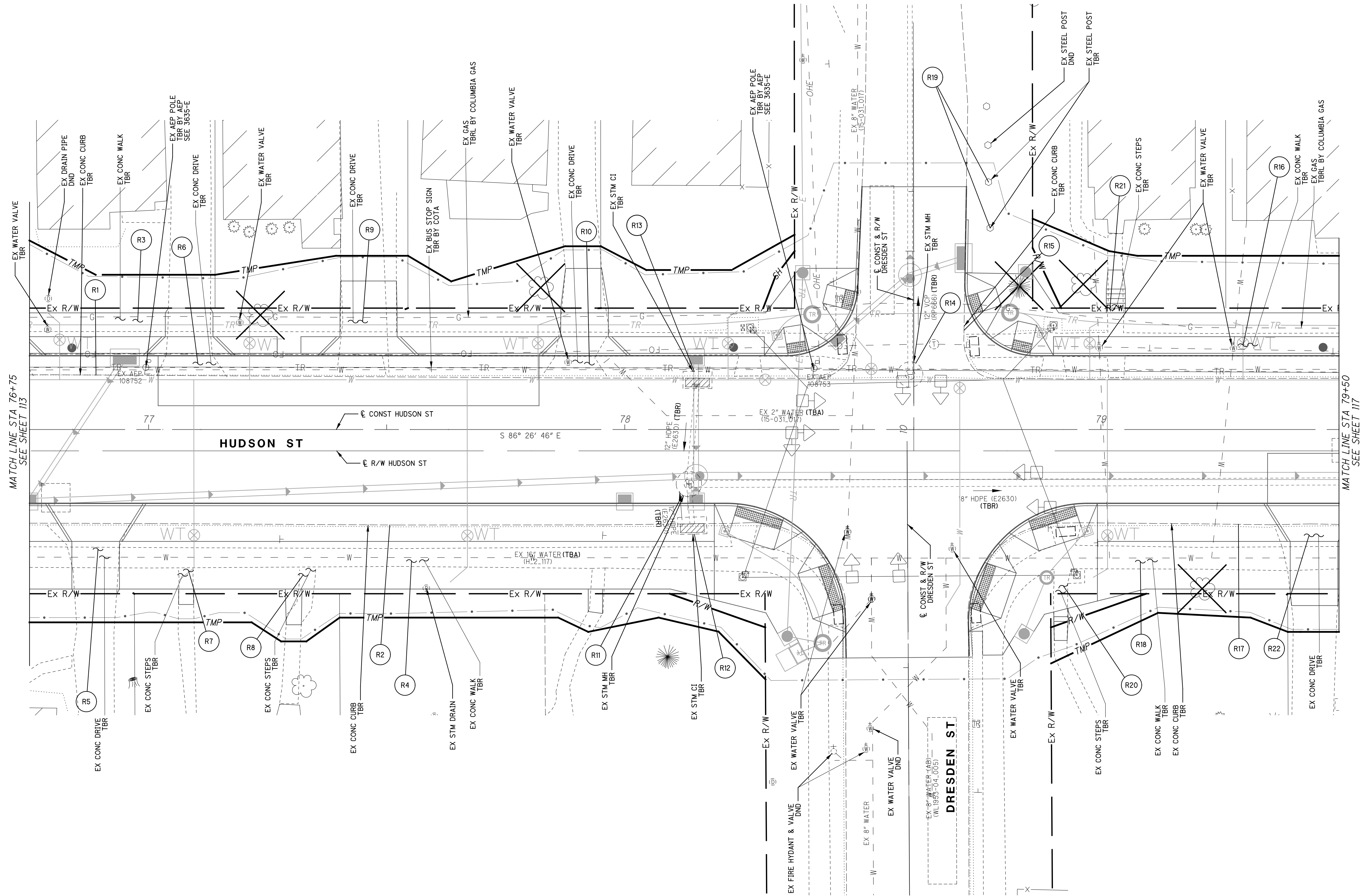
**3575 - E**

CALCULATED  
JAL  
CHECKED  
MWR

**REMOVAL SUBSUMMARY**

**HUDSON ST**

FOR TRAFFIC SIGNAL REMOVALS SEE SHEET 439



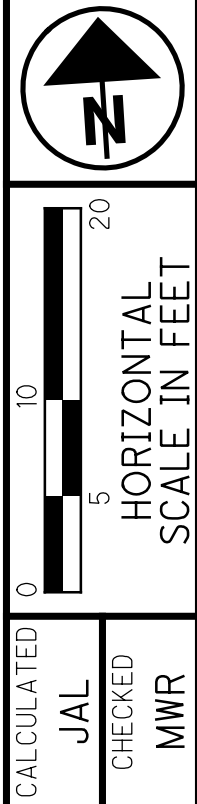
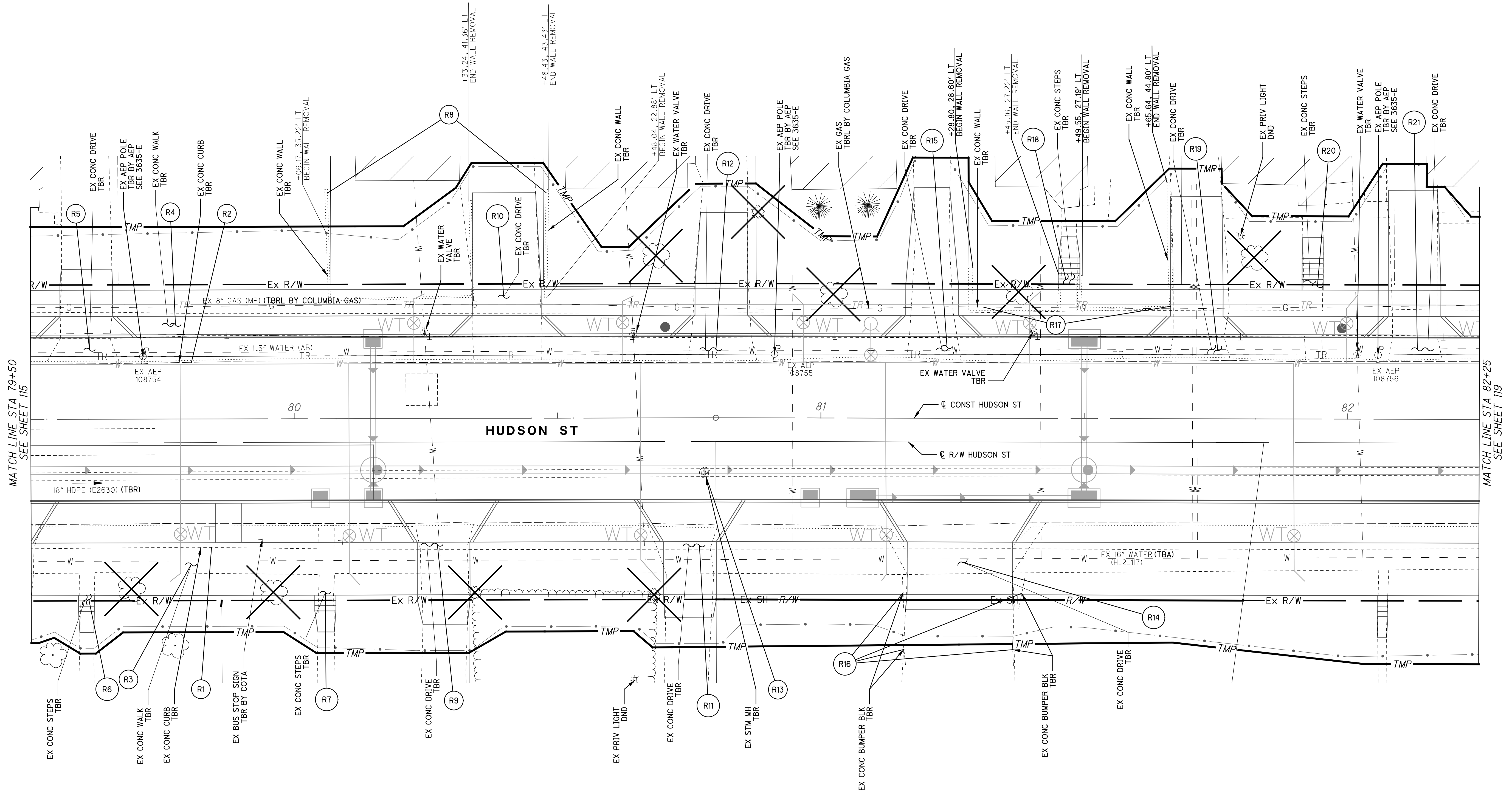
CALCULATED  
JAL  
CHECKED  
MWR

0 10 20  
HORIZONTAL  
SCALE IN FEET

**DEMOLITION PLAN**  
**STA 76+75 TO STA 79+50**

**HUDSON ST**





CALCULATED	JAL
CHECKED	MWR

**DEMOLITION PLAN**  
**STA 79+50 TO STA 82+25**

**HUDSON ST**

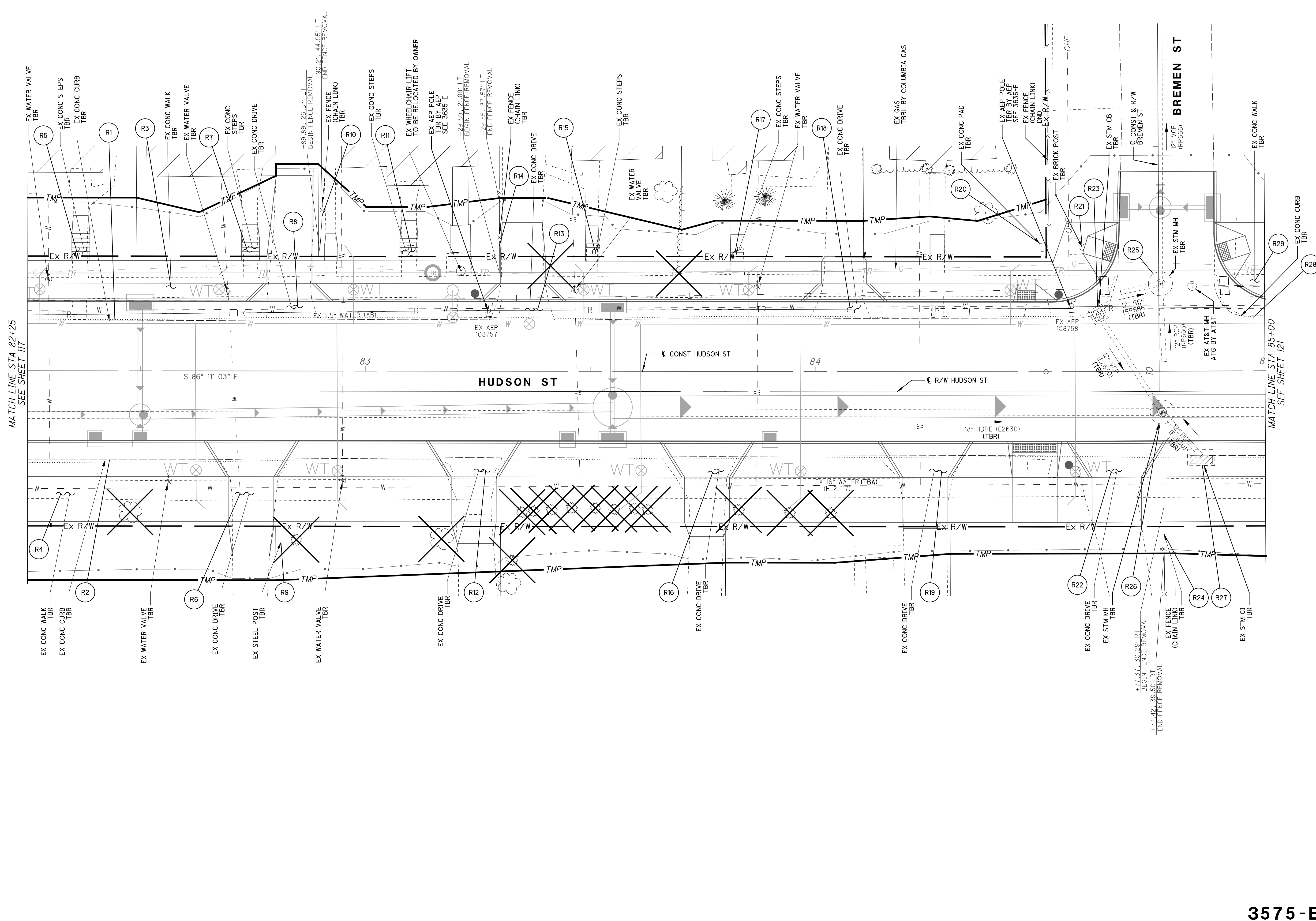
REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	79+50	82+25	RT					275																					
R2	79+50	82+25	LT					275																					
R3	79+50	82+25	RT																									1344	
R4	79+50	82+25	LT																									1396	
R5	79+53	79+67	LT		51																								
R6	79+59	79+62	RT																								4		
R7	80+05	80+08	RT																								2		
R8	80+06	80+48	LT													59													
R9	80+23	80+34	RT		51																								
R10	80+32	80+46	LT		343																								
R11	80+67	80+80	RT		47																								
R12	80+75	80+88	LT		54																								
R13	80+78		RT								1																399		
R14	81+11	81+43	RT		240																								
R15	81+16	81+27	LT		39																								
R16	81+16	81+34	RT																										
R17	81+28	81+67	LT													81													
R18	81+45	81+49	LT																									3	
R19	81+66	81+78	LT		262																								
R20	81+91	81+95	LT																									3	
R21	82+08	82+18	LT		242																								
<b>TOTALS CARRIED TO SHEET 127</b>					<b>1329</b>			<b>550</b>			<b>1</b>				<b>140</b>	<b>4</b>											<b>399</b>	<b>12</b>	<b>2740</b>

**REMOVAL SUBSUMMARY**

**HUDSON ST**

CALCULATED  
 JAL  
 CHECKED  
 MWR

**3575 - E**

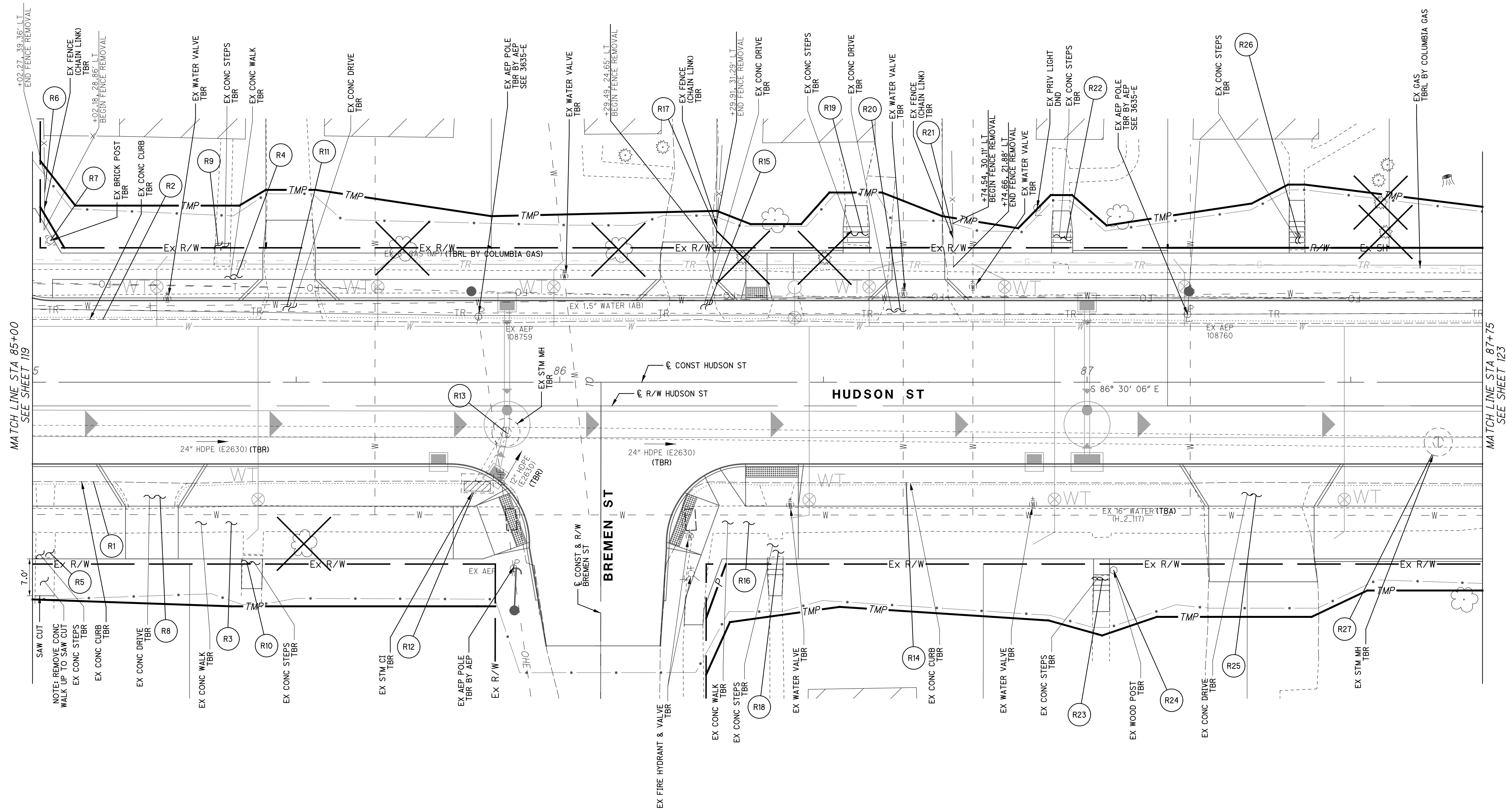


MATCH LINE STA 82+25  
SEE SHEET 117

MATCH LINE STA 85+00  
SEE SHEET 121

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	82+25	84+68	LT					248																					
R2	82+25	85+00	RT					275																					
R3	82+25	84+67	LT																									1498	
R4	82+25	85+00	RT																									1225	
R5	82+35	82+39	LT																							3			
R6	82+71	82+81	RT			172																							
R7	82+73	82+77	LT																								3		
R8	82+78	82+89	LT			49																							
R9	82+81		RT																										
R10	82+90	82+90	LT						18											1									
R11	83+08	83+11	LT																								3		
R12	83+17	83+32	RT			83																							
R13	83+28	83+42	LT			55																							
R14	83+30		LT						16																				
R15	83+49	83+52	LT																								3		
R16	83+69	83+80	RT			129																							
R17	83+81	83+84	LT																								3		
R18	83+99	84+12	LT			57																							
R19	84+14	84+33	RT			71																							
R20	84+50	84+52	LT				1																						
R21	84+59		LT										1																
R22	84+59	84+72	RT			141																							
R23	84+63		LT	1																								26	
R24	84+77		RT						9																				
R25	84+77		LT									1																50	
R26	84+77		RT									1																113	
R27	84+86		RT	1																								13	
R28	84+89	85+00	LT					17																					
R29	84+89	85+00	LT																									51	
TOTALS CARRIED TO SHEET 127				2		757	1		540	43			2	1							1						202	15	2774





MATCH LINE STA 85+00  
SEE SHEET 119

MATCH LINE STA 87+75  
SEE SHEET 123

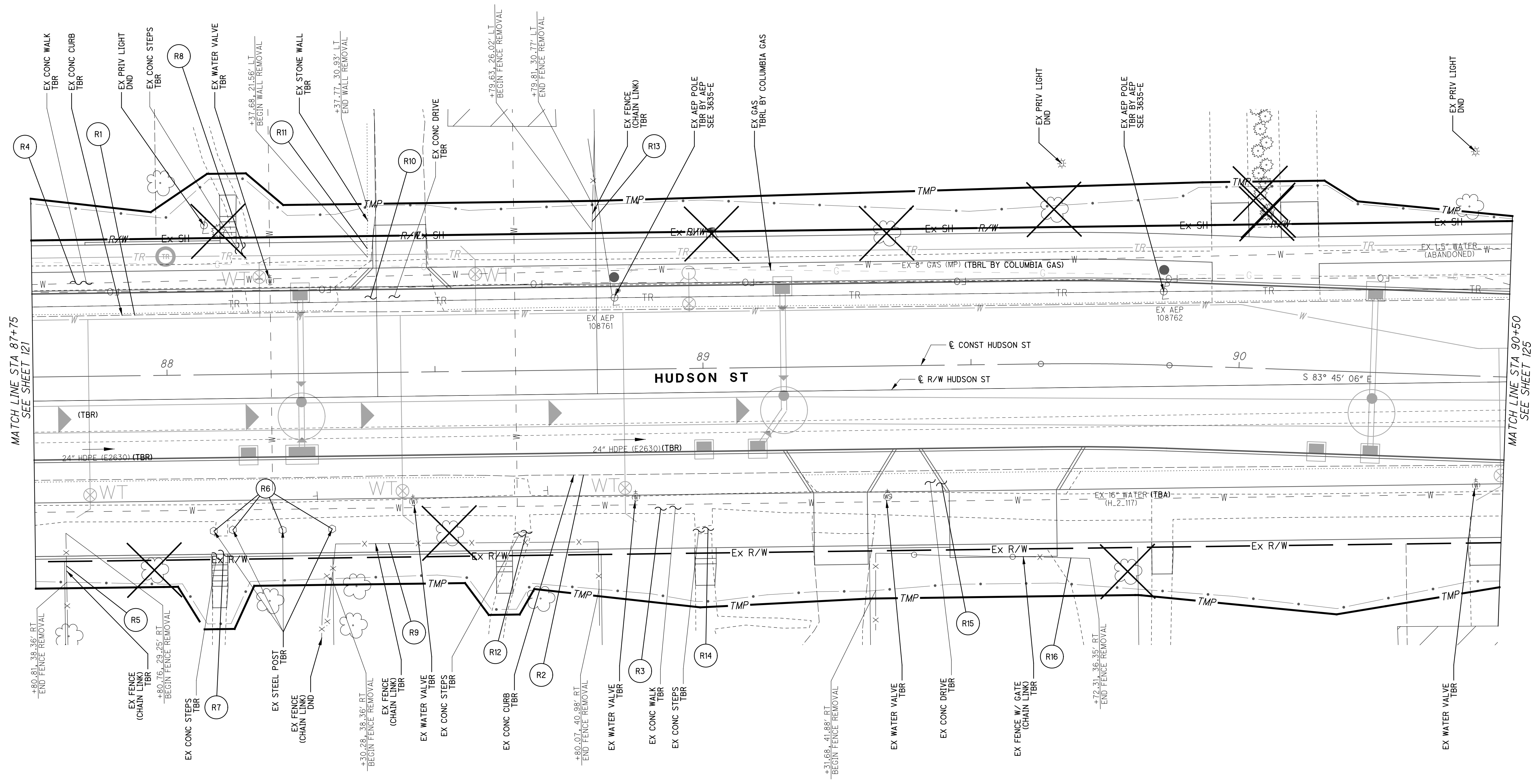
CALCULATED  
JAL  
CHECKED  
MWR

0 5 10 20  
HORIZONTAL  
SCALE IN FEET

**DEMOLITION PLAN**  
**STA 85+00 TO STA 87+75**

**HUDSON ST**

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
R1	85+00	85+97	RT					106																					
R2	85+00	87+75	LT					275																					
R3	85+00	85+92	RT																									520	
R4	85+00	87+75	LT																									1437	
R5	85+01	85+05	RT																								2		
R6	85+02	85+02	LT						11																				
R7	85+03		LT										1																
R8	85+15	85+30	RT		56																								
R9	85+35	85+38	LT																									3	
R10	85+40	85+43	RT																									3	
R11	85+43	85+56	LT			59																							
R12	85+84		RT	1																								11	
R13	85+90		RT								1																	177	
R14	86+19	87+75	RT					159																					
R15	86+19	86+31	LT		42																								
R16	86+24	87+75	RT																									868	
R17	86+29	86+30	LT						7																				
R18	86+39	86+42	RT																									4	
R19	86+54	86+58	LT																									3	
R20	86+60	86+76	LT		67																								
R21	86+75		LT						8																				
R22	86+94	86+97	LT																									3	
R23	87+01	87+04	RT																									8	
R24	87+05		RT																	1									
R25	87+20	87+42	RT		100																								
R26	87+38	87+41	LT																									5	
R27	87+67		RT								1																	300	
TOTALS CARRIED TO SHEET 127				1	324			540	26		2	1								1							488	31	2825



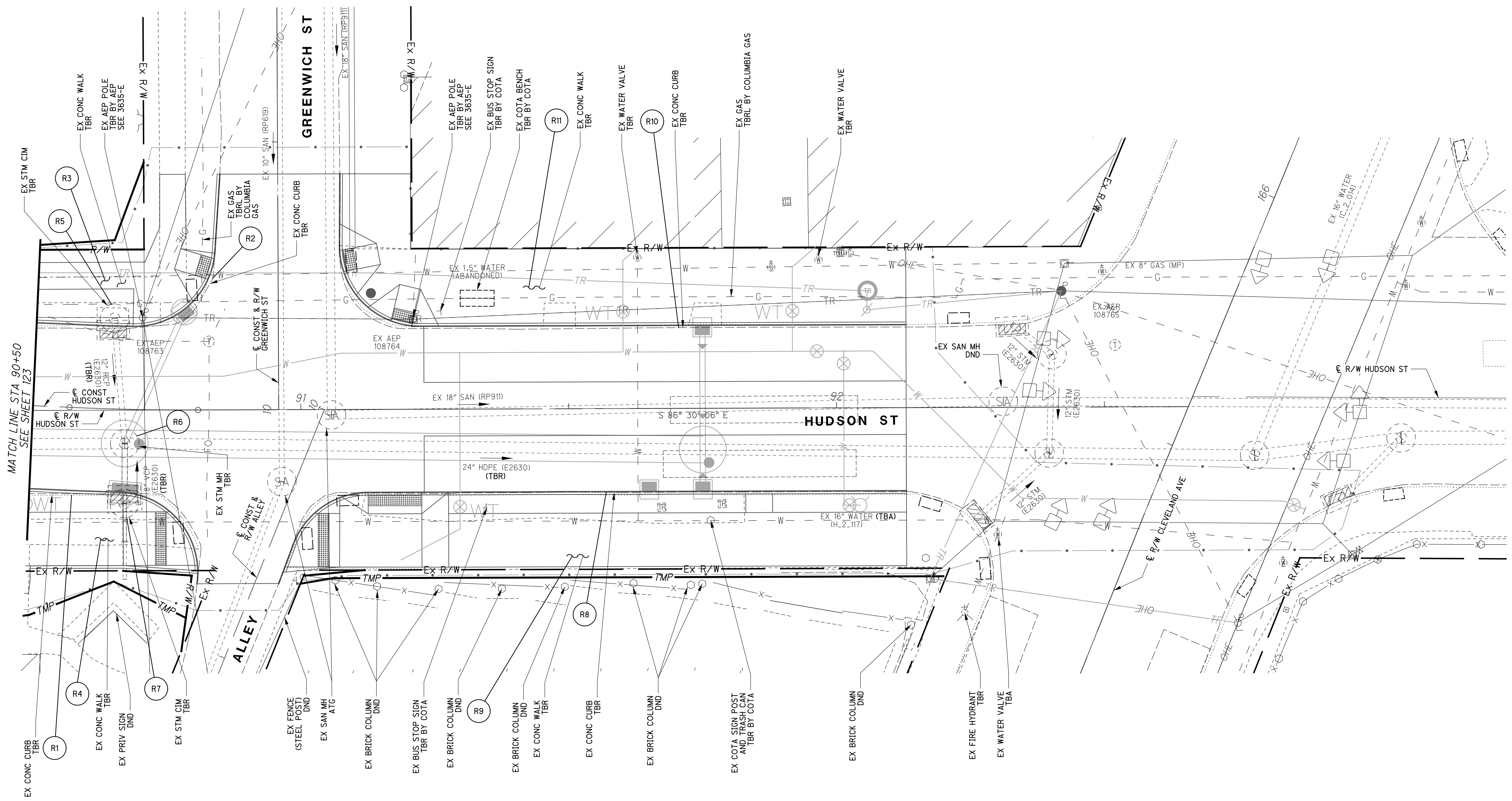
CALCULATED  
JAL  
CHECKED  
MWR

0 5 10 20  
HORIZONTAL  
SCALE IN FEET

DEMOLITION PLAN  
STA 87+75 TO STA 90+50

HUDSON ST





MATCH LINE STA 90+50  
SEE SHEET 123

CALCULATED  
JAL  
CHECKED  
MWR

0 5 10 15 20  
HORIZONTAL  
SCALE IN FEET

DEMOLITION PLAN  
STA 90+50 TO END PROJECT

HUDSON ST

REFERENCE. NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202		
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED	
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
R1	90+50	90+81	RT					38																						
R2	90+50	90+85	LT					57																						
R3	90+50	90+83	LT																									259		
R4	90+50	90+81	RT																									150		
R5	90+65		LT				1																					23		
R6	90+67		RT									1																108		
R7	90+67		RT				1																					18		
R8	90+96	92+13	RT					125																						
R9	90+97	92+13	RT																										1174	
R10	91+07	92+13	LT					129																						
R11	91+08	92+13	LT																										1411	
TOTALS CARRIED TO SHEET 127							2	349				1																		
<b>3575 - E</b>																														

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REFERENCE NO.	STATION		SIDE	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202			
	FROM	TO		CATCH BASIN OR INLET REMOVED	CONCRETE MEDIAN REMOVED	CONCRETE DRIVE REMOVED	CONCRETE REMOVED	CURB INLET MANHOLE REMOVED	CURB REMOVED	FENCE REMOVED	GUARDRAIL REMOVED	MAILBOX REMOVED & REINSTALLED	MANHOLE REMOVED	REMOVAL MISC.: BRICK COLUMN	REMOVAL MISC.: BRICK WALL	REMOVAL MISC.: CLEANOUT	REMOVAL MISC.: CONCRETE BLOCK WALL	REMOVAL MISC.: CONCRETE BUMPER BLOCK	REMOVAL MISC.: STEEL GATE	REMOVAL MISC.: PAYPHONE	REMOVAL MISC.: POST/BOLLARD	REMOVAL MISC.: PRIVATE SIGN, ELECTRIFIED	REMOVAL MISC.: PRIVATE LIGHT	REMOVAL MISC.: PRIVATE SIGN, NOT ELECTRIFIED	REMOVAL MISC.: STONE WALL	REMOVAL MISC.: UTILITY POLE	PIPE REMOVED, 24" & UNDER	STEPS REMOVED	WALK REMOVED			
			EA	SF	SF	SY	EA	FT	FT	FT	EA	EA	EA	FT	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA		
TOTALS CARRIED FROM SHEET 74				407	294		3	581	8	74		4									2									353	2520	
TOTALS CARRIED FROM SHEET 76					1820	235	1	753				2				2				5	1								244	2359		
TOTALS CARRIED FROM SHEET 78					1291		1	600	253										1		1								5	2532		
TOTALS CARRIED FROM SHEET 80					2775	63	2	598	282			2					1			2		1							127	3452		
TOTALS CARRIED FROM SHEET 82					590	175	5	626	6			1				40				1	1			1					375	3226		
TOTALS CARRIED FROM SHEET 84					578		1	594	115							6	2			1	2								13	3	2730	
TOTALS CARRIED FROM SHEET 86					1647	244	1	583	88							7					1	1	1						70	3211		
TOTALS CARRIED FROM SHEET 88	2			1240	24		2	571	32			1				40			1	4	1								223	9	2834	
TOTALS CARRIED FROM SHEET 90	2			1572	224		1	651	58												1	1							249	2952		
TOTALS CARRIED FROM SHEET 92				598				571	109	5	1									6	1			2					5	3297		
TOTALS CARRIED FROM SHEET 94					622	241		565	153					12								1	1							2791		
TOTALS CARRIED FROM SHEET 96					770			559	146													1				1				2845		
TOTALS CARRIED FROM SHEET 98	3			477	70		1	720	54			1	2							3	1	1				3	211		4982			
TOTALS CARRIED FROM SHEET 100				1172			2	701	206							9					4					1			75	3577		
TOTALS CARRIED FROM SHEET 102				1034				559	149							11	1	1			3					1				2466		
TOTALS CARRIED FROM SHEET 104					919			584	102												2									2839		
TOTALS CARRIED FROM SHEET 106					1198			556														1							6	2750		
TOTALS CARRIED FROM SHEET 108	1			438				555	79			1											2						53	6	2769	
TOTALS CARRIED FROM SHEET 110				526				601	6								1	1			5									3076		
TOTALS CARRIED FROM SHEET 112				678				580	13												6	1								14	2722	
TOTALS CARRIED FROM SHEET 114					515			550	30																				59	24	2714	
TOTALS CARRIED FROM SHEET 116	2			398				554				2									2									320	10	2724
TOTALS CARRIED FROM SHEET 118				1329				550				1				140	4													399	12	2740
TOTALS CARRIED FROM SHEET 120	2			757	1			540	43			2	1								1								202	15	2774	
TOTALS CARRIED FROM SHEET 122	1			324				540	26			2	1								1								488	31	2825	
TOTALS CARRIED FROM SHEET 124				277				550	125																						2925	
TOTALS CARRIED FROM SHEET 126							2	349				1																		149	12	2994
TOTALS CARRIED TO GENERAL SUMMARY				13	407	23839	1277	22	15741	2083	79	2	21	4	12	1	240	36	7	1	51	10	10	10	69	5	3556	147	79626			

**3575 - E**

CALCULATED  
 JAL  
 CHECKED  
 MWR

**REMOVAL SUBSUMMARY**

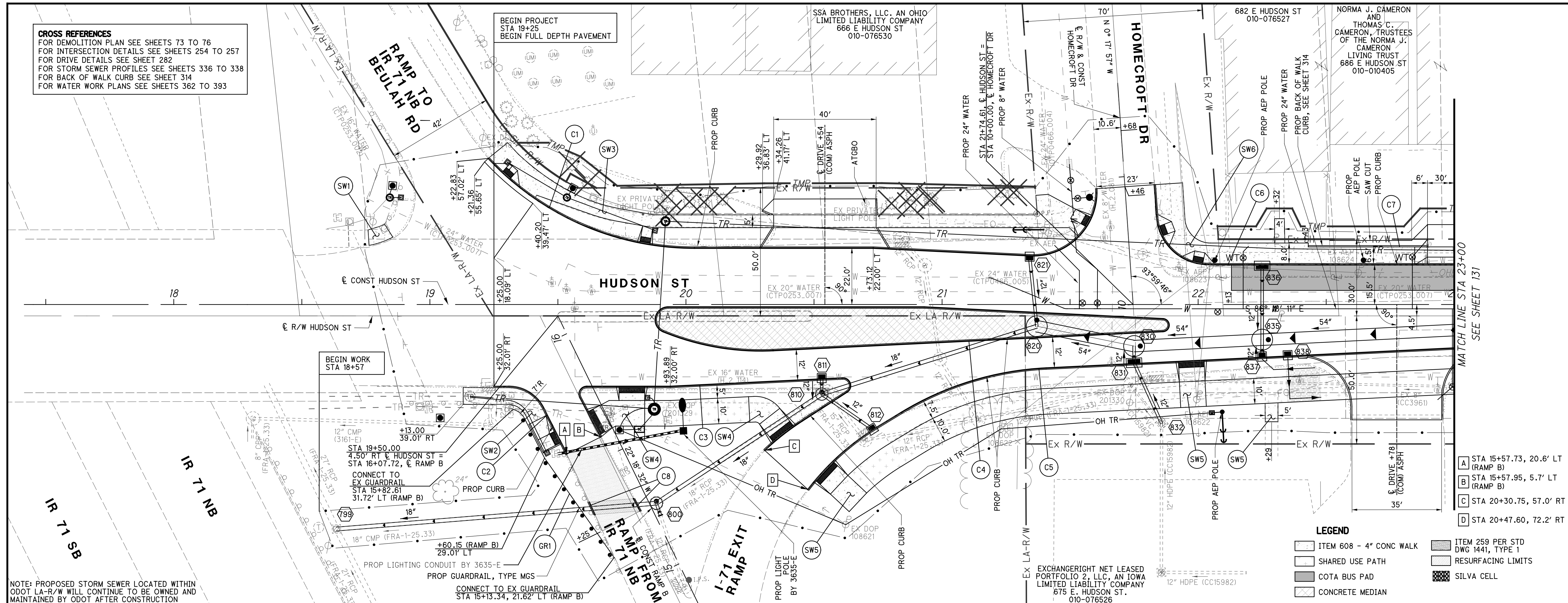
**HUDSON ST**

127  
 535

**CROSS REFERENCES**  
 FOR DEMOLITION PLAN SEE SHEETS 73 TO 76  
 FOR INTERSECTION DETAILS SEE SHEETS 254 TO 257  
 FOR DRIVE DETAILS SEE SHEET 282  
 FOR STORM SEWER PROFILES SEE SHEETS 336 TO 338  
 FOR BACK OF WALK CURB SEE SHEET 314  
 FOR WATER WORK PLANS SEE SHEETS 362 TO 393

0 20 40  
 HORIZONTAL SCALE IN FEET

CALCULATED JRS  
 CHECKED MWR



BEGIN WORK STA 18+57

BEGIN PROJECT STA 19+25  
 BEGIN FULL DEPTH PAVEMENT

SSA BROTHERS, LLC, AN OHIO LIMITED LIABILITY COMPANY  
 666 E HUDSON ST  
 010-076530

NORMA J. CAMERON AND THOMAS C. CAMERON, TRUSTEES OF THE NORMA J. CAMERON LIVING TRUST  
 686 E HUDSON ST  
 010-010405

EXCHANGERRIGHT NET LEASED PORTFOLIO 2, LLC, AN IOWA LIMITED LIABILITY COMPANY  
 675 E. HUDSON ST.  
 010-076526

NOTE: PROPOSED STORM SEWER LOCATED WITHIN ODOT LA-R/W WILL CONTINUE TO BE OWNED AND MAINTAINED BY ODOT AFTER CONSTRUCTION

- A STA 15+57.73, 20.6' LT (RAMP B)
- B STA 15+57.95, 5.7' LT (RAMP B)
- C STA 20+30.75, 57.0' RT
- D STA 20+47.60, 72.2' RT

**LEGEND**

- ITEM 608 - 4" CONC WALK
- SHARED USE PATH
- COTA BUS PAD
- CONCRETE MEDIAN
- ITEM 259 PER STD DWG 1441, TYPE 1
- RESURFACING LIMITS
- SILVA CELL

PROP ELEV	850.76	850.63	850.51	850.38	850.26	850.13	850.01	849.88	849.76	849.67	849.65	849.67	849.76	849.88	850.01	850.13	PROP ELEV	
860																	860	
855																	855	
850																	850	
845																	845	
840																	840	
835																	835	
830																	830	
EXIST ELEV	850.59	850.76	850.70	850.63	850.53	850.37	850.18	849.94	849.50	849.96	850.05	850.10	850.12	850.18	850.26	850.37	850.44	EXIST ELEV
	18+00	19+00	20+00	21+00	22+00	23+00												23+00

BEGIN PROFILE STA 19+00  
 ELEV = 850.76

-0.86%

PVC STA 21+20.00  
 ELEV = 849.78

PVI STA 21+75.00  
 ELEV = 849.51

PVT STA 22+30.00  
 ELEV = 849.78

EX GROUND  
 PROFILE GRADE

EX 16" W (H.2.114)

EX 8" W (H.2.061)

110.00' VC  
 K = 110

3575-E

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PLAN AND PROFILE - HUDSON ST  
 BEGIN PROJECT TO STA 23+00

HUDSON ST

128  
 535



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REFERENCE NO.	STATION		SIDE	604		605	606	607	608				609		SPEC	SPEC	SPEC																									
				SANITARY MANHOLE, ADJUSTED TO GRADE		4" PIPE UNDERDRAIN	GUARDRAIL, TYPE MGS	FENCE, TYPE CL, 6'	CONCRETE WALK, 4"	CONCRETE WALK, 8"	CURB RAMPS	DETECTABLE WARNING, TYPE E	CONCRETE STEPS	CURB, STRAIGHT 18"	CURB, AS PER PLAN	MANHOLE CURB ENTRANCE	BOLLARD	RELOCATE GUY WIRE																								
	EA	EA		FT	FT														FT	SF	SF	EA	SF	FT	FT	FT	EA	EA	EA													
FROM	TO																																									
SW1	18+76	18+86	LT						50																																	
SW2	19+13	19+52	RT						298	10	1	10																														
SW3	19+23	21+58	LT						1163	24	3	24																														
SW4	19+62	20+43	RT						385	60	3	60																														
SW5	20+50	22+31	RT						361	40	2	40																														
SW6	21+83	22+85	LT						942	16	2	16																														
C1	19+23	21+60	LT			263								263																												
C2	19+25	19+53	RT			43								43																												
C3	19+58	20+64	RT			171								171																												
C4	19+88	21+88	RT											411																												
C5	20+48	23+00	RT			267								267																												
C6	21+83	23+00	LT			139								139																												
C7	22+43	22+90	LT												47																											
C8	19+62	19+82	RT											10																												
GR1	19+32	19+72	RT				75																																			
TOTALS CARRIED TO SHEET 173						883	75		3199	150	11	150		1304	47																											

CALCULATED  
JAL  
CHECKED  
MWR

ROADWAY SUBSUMMARY

HUDSON ST

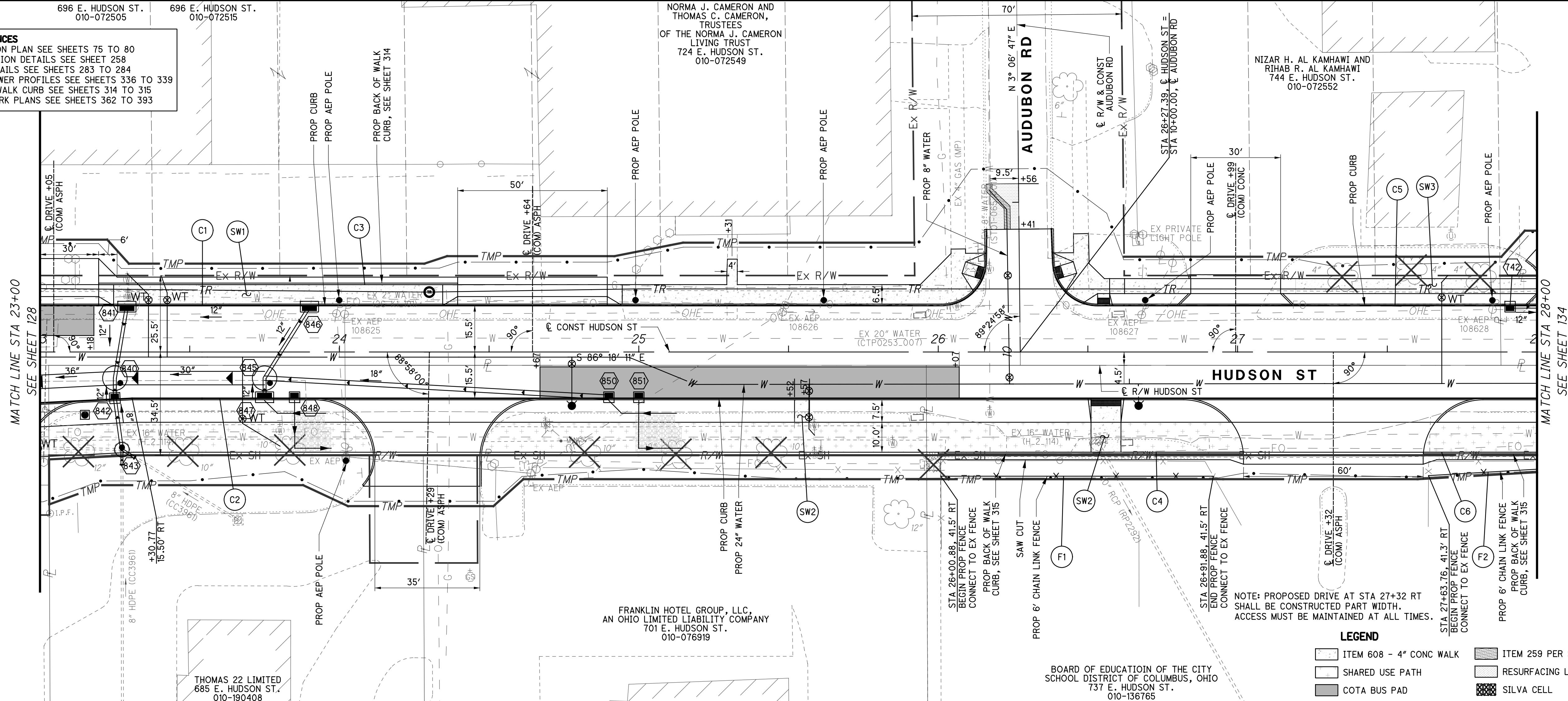
129  
535

3575 - E



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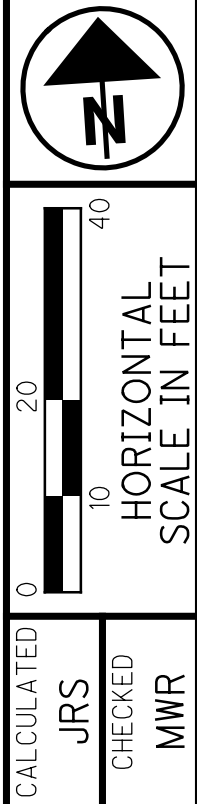
**CROSS REFERENCES**  
 FOR DEMOLITION PLAN SEE SHEETS 75 TO 80  
 FOR INTERSECTION DETAILS SEE SHEET 258  
 FOR DRIVE DETAILS SEE SHEETS 283 TO 284  
 FOR STORM SEWER PROFILES SEE SHEETS 336 TO 339  
 FOR BACK OF WALK CURB SEE SHEETS 314 TO 315  
 FOR WATER WORK PLANS SEE SHEETS 362 TO 393



**LEGEND**

ITEM 608 - 4" CONC WALK	ITEM 259 PER STD DWG 1441, TYPE 1
SHARED USE PATH	RESURFACING LIMITS
COTA BUS PAD	SILVA CELL

PROP ELEV	850.13	850.26	850.38	850.51	850.63	850.76	850.88	851.01	851.13	851.26	851.38	851.51	851.63	851.76	851.86	851.91	851.90	851.83	851.71	851.57	851.44	PROP ELEV
860																						860
855																						855
850																						850
845																						845
840																						840
835																						835
830																						830
EXIST ELEV	850.44	850.46	850.53	850.64	850.64	850.86	850.94	851.01	851.08	851.19	851.10	851.19	851.34	851.50	851.47	851.66	851.74	851.70	851.70	851.70	851.68	EXIST ELEV
	23+00				24+00								26+00				27+00					28+00



**PLAN AND PROFILE - HUDSON ST**  
**STA 23+00 TO STA 28+00**

**HUDSON ST**

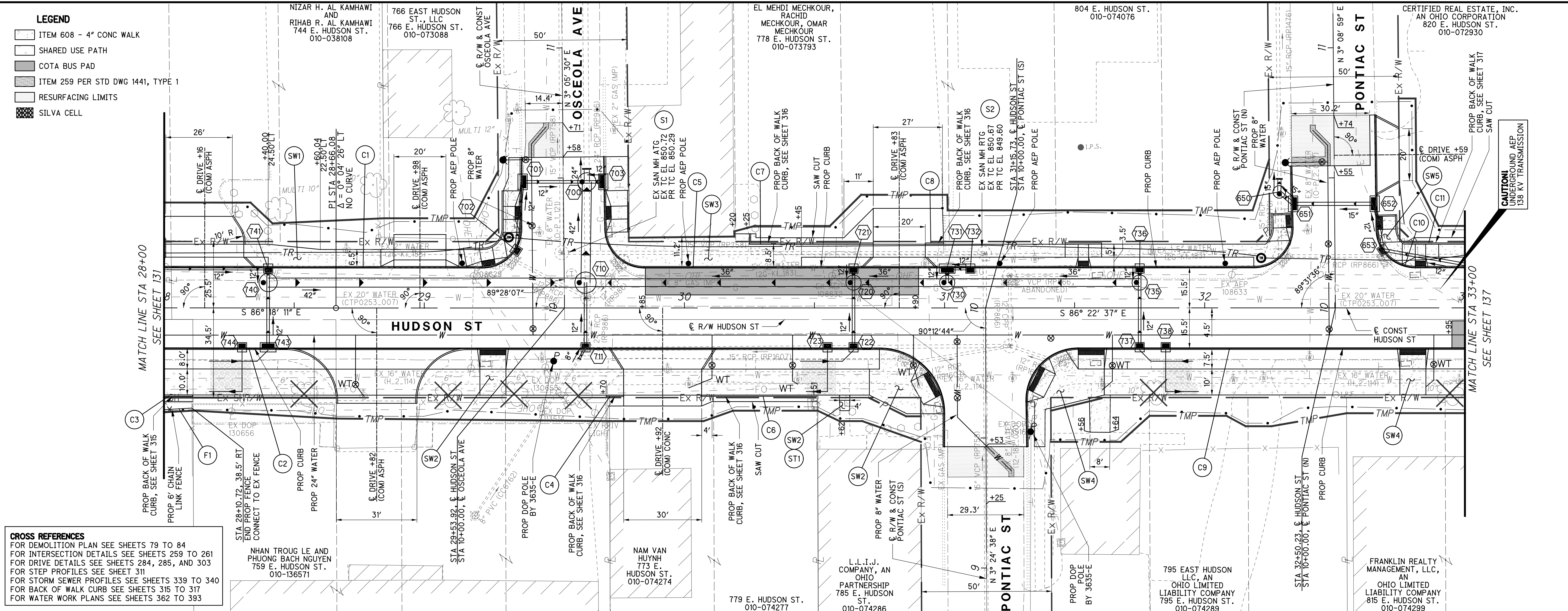
131  
 535

**3575-E**





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**CROSS REFERENCES**  
 FOR DEMOLITION PLAN SEE SHEETS 79 TO 84  
 FOR INTERSECTION DETAILS SEE SHEETS 259 TO 261  
 FOR DRIVE DETAILS SEE SHEETS 284, 285, AND 303  
 FOR STEP PROFILES SEE SHEET 311  
 FOR STORM SEWER PROFILES SEE SHEETS 339 TO 340  
 FOR BACK OF WALK CURB SEE SHEETS 315 TO 317  
 FOR WATER WORK PLANS SEE SHEETS 362 TO 393

PROP ELEV	851.44	851.30	851.17	851.03	850.90	850.76	850.63	850.49	850.36	850.22	850.09	849.96	849.80	849.91	849.99	850.13	850.29	850.45	850.61	850.78	850.99	PROP ELEV
860																						860
855																						855
850																						850
845																						845
840																						840
835																						835
830																						830
EXIST ELEV	851.68	851.57	851.47	851.37	851.26	851.13	851.04	850.79	850.71	850.61	850.51	850.42	850.38	850.38	850.45	850.55	850.67	850.79	850.89	851.08	851.23	EXIST ELEV
	28+00	29+00							30+00				31+00				32+00				33+00	

PLAN AND PROFILE - HUDSON ST  
 STA 28+00 TO STA 33+00

**HUDSON ST**

3575-E

LEGEND

- ITEM 608 - 4" CONC WALK
- SHARED USE PATH
- COTA BUS PAD
- ITEM 259 PER STD DWG 1441, TYPE 1
- RESURFACING LIMITS
- SILVA CELL

SCALE IN FEET

0 10 20 40

HORIZONTAL

10/5/2021 10:02:30 AM

2018/02/29/2.C.Design\_Hudson\_Roadway\_Sheets\_02392\_GPO03.dgn

134

535

REFERENCE NO.	STATION		SIDE	604		605	606	607	608				609		SPEC	SPEC	SPEC																							
				SANITARY MANHOLE, ADJUSTED TO GRADE		4" PIPE UNDERDRAIN	GUARDRAIL, TYPE MGS	FENCE, TYPE CL, 6'	CONCRETE WALK, 4"	CONCRETE WALK, 8"	CURB RAMPS	DETECTABLE WARNING, TYPE E	CONCRETE STEPS	CURB, STRAIGHT 18"	CURB, AS PER PLAN	MANHOLE CURB ENTRANCE	BOLLARD	RELOCATE GUY WIRE																						
	EA	EA		FT	FT														FT	SF	SF	EA	SF	FT	FT	FT	EA	EA	EA											
SW1	28+36	29+37	LT						633	20	2	20																												
SW2	29+20	31+00	RT						652	40	2	40																												
SW3	29+70	32+33	LT						1885	28	3	28																												
SW4	31+32	32+86	RT						815	60	3	60																												
SW5	32+66	33+00	LT						252	18	2	18																												
C1	28+00	29+38	LT			173								173																										
C2	28+00	31+00	RT			327								327																										
C3	28+00	28+11	RT											11																										
C4	29+70	29+77	RT											7																										
C5	29+69	32+33	LT			333								333																										
C6	30+07	30+51	RT											44																										
C7	30+25	30+73	LT											52																										
C8	30+93	31+00	LT											7																										
C9	31+31	33+00	RT			198								198																										
C10	32+65	33+00	LT			86								86																										
C11	32+73	33+00	LT											36																										
S1	29+56		LT	1																																				
S2	31+14		LT		1																																			
ST1	30+62		RT										1																											
F1	28+00	28+11	RT					11																																
TOTALS CARRIED TO SHEET 173				1	1	1117		11	4237	166	12	166	1	1117	157																									

3575 - E

CALCULATED  
JAL  
CHECKED  
MWR

ROADWAY SUBSUMMARY

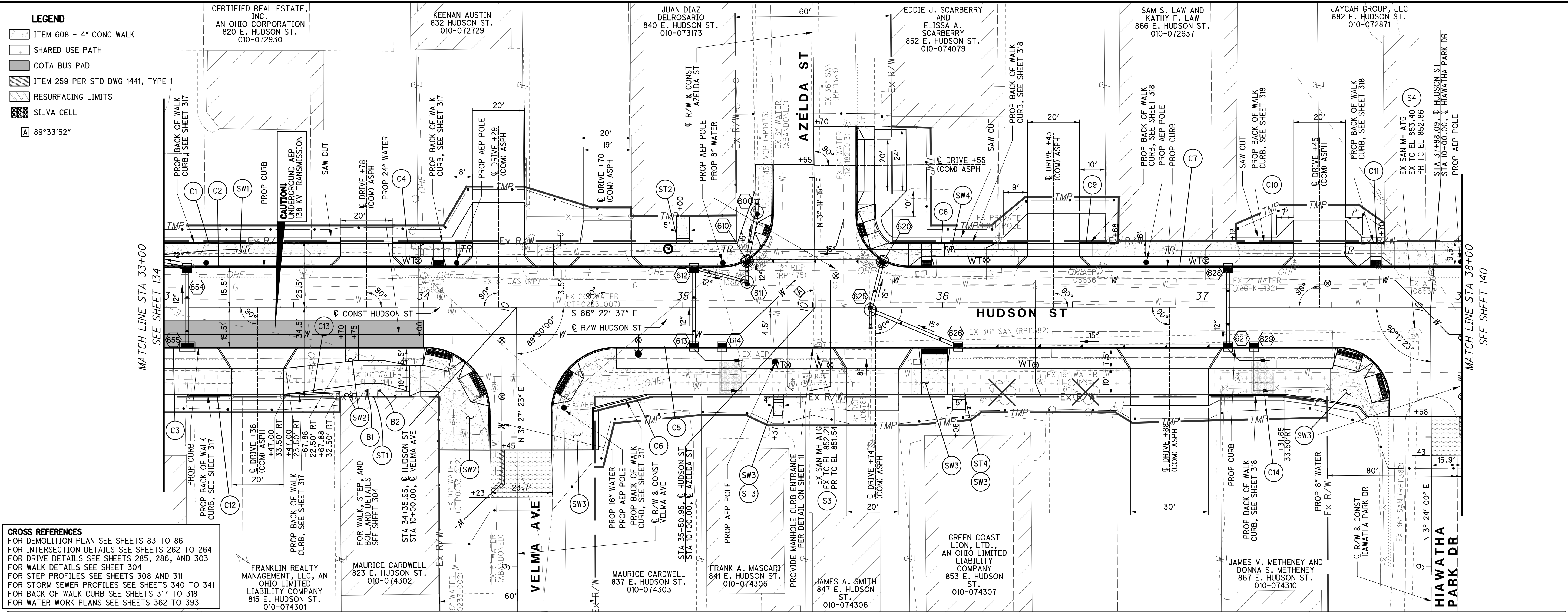
HUDSON ST

135  
535





soltesz  
10/5/2021 10:02:34 AM  
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**CROSS REFERENCES**  
 FOR DEMOLITION PLAN SEE SHEETS 83 TO 86  
 FOR INTERSECTION DETAILS SEE SHEETS 262 TO 264  
 FOR DRIVE DETAILS SEE SHEETS 285, 286, AND 303  
 FOR WALK DETAILS SEE SHEET 304  
 FOR STEP PROFILES SEE SHEETS 308 AND 311  
 FOR STORM SEWER PROFILES SEE SHEETS 340 TO 341  
 FOR BACK OF WALK CURB SEE SHEETS 317 TO 318  
 FOR WATER WORK PLANS SEE SHEETS 362 TO 393

PROP ELEV	850.99	851.28	851.57	851.79	851.92	851.96	851.90	851.80	851.75	851.77	851.86	852.00	852.15	852.31	852.46	852.62	852.76	852.88	853.01	853.13	853.26	PROP ELEV
860				PVI STA 34+00.00 ELEV = 852.15																		860
855																						855
850																						850
845																						845
840																						840
835																						835
830																						830
EXIST ELEV	851.23	851.33	851.44	851.56	851.66	851.73	851.82	851.98	852.11	852.24	852.38	852.42	852.57	852.63	852.70	852.80	852.98	853.18	853.29	853.45	853.59	EXIST ELEV
	33+00				34+00								35+00									
																						3575-E

PLAN AND PROFILE - HUDSON ST  
STA 33+00 TO STA 38+00

HUDSON ST

CALCULATED  
JRS  
CHECKED  
MWR

137  
535



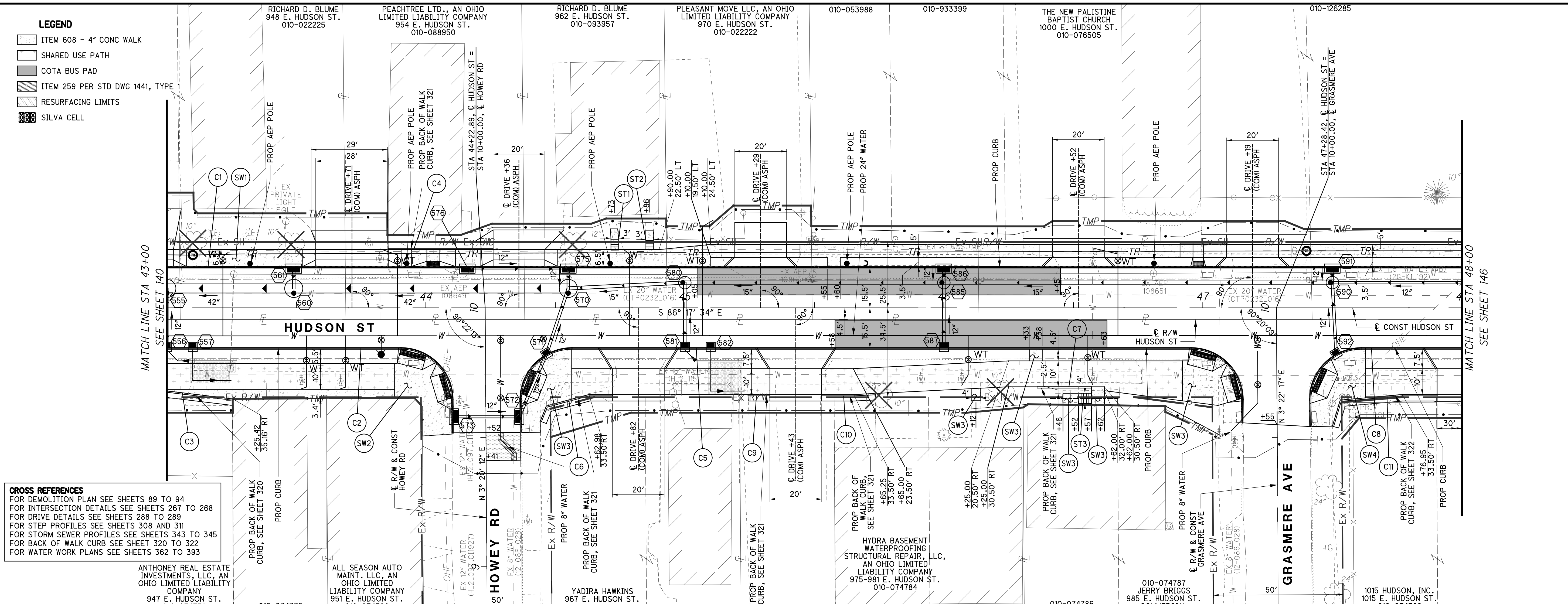








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**CROSS REFERENCES**  
 FOR DEMOLITION PLAN SEE SHEETS 89 TO 94  
 FOR INTERSECTION DETAILS SEE SHEETS 267 TO 268  
 FOR DRIVE DETAILS SEE SHEETS 288 TO 289  
 FOR STEP PROFILES SEE SHEETS 308 AND 311  
 FOR STORM SEWER PROFILES SEE SHEETS 343 TO 345  
 FOR BACK OF WALK CURB SEE SHEET 320 TO 322  
 FOR WATER WORK PLANS SEE SHEETS 362 TO 393

EXIST ELEV	835	840	845	850	855	860	865	PROP ELEV
855.90								855.76
856.06								855.88
856.16								856.01
856.22								856.13
856.31								856.26
856.42								856.38
856.53								856.51
856.67								856.63
856.82								856.76
856.96								856.88
857.07								857.01
857.18								857.13
857.29								857.26
857.40								857.38
857.51								857.51
857.62								857.63
857.75								857.76
857.84								857.88
857.91								858.01
858.22								858.13
858.31								858.26
								PROP ELEV

43+00 44+00 45+00 46+00 47+00 48+00

3575-E

PLAN AND PROFILE - HUDSON ST  
STA 43+00 TO STA 48+00

HUDSON ST

CALCULATED JRS  
 CHECKED MWR

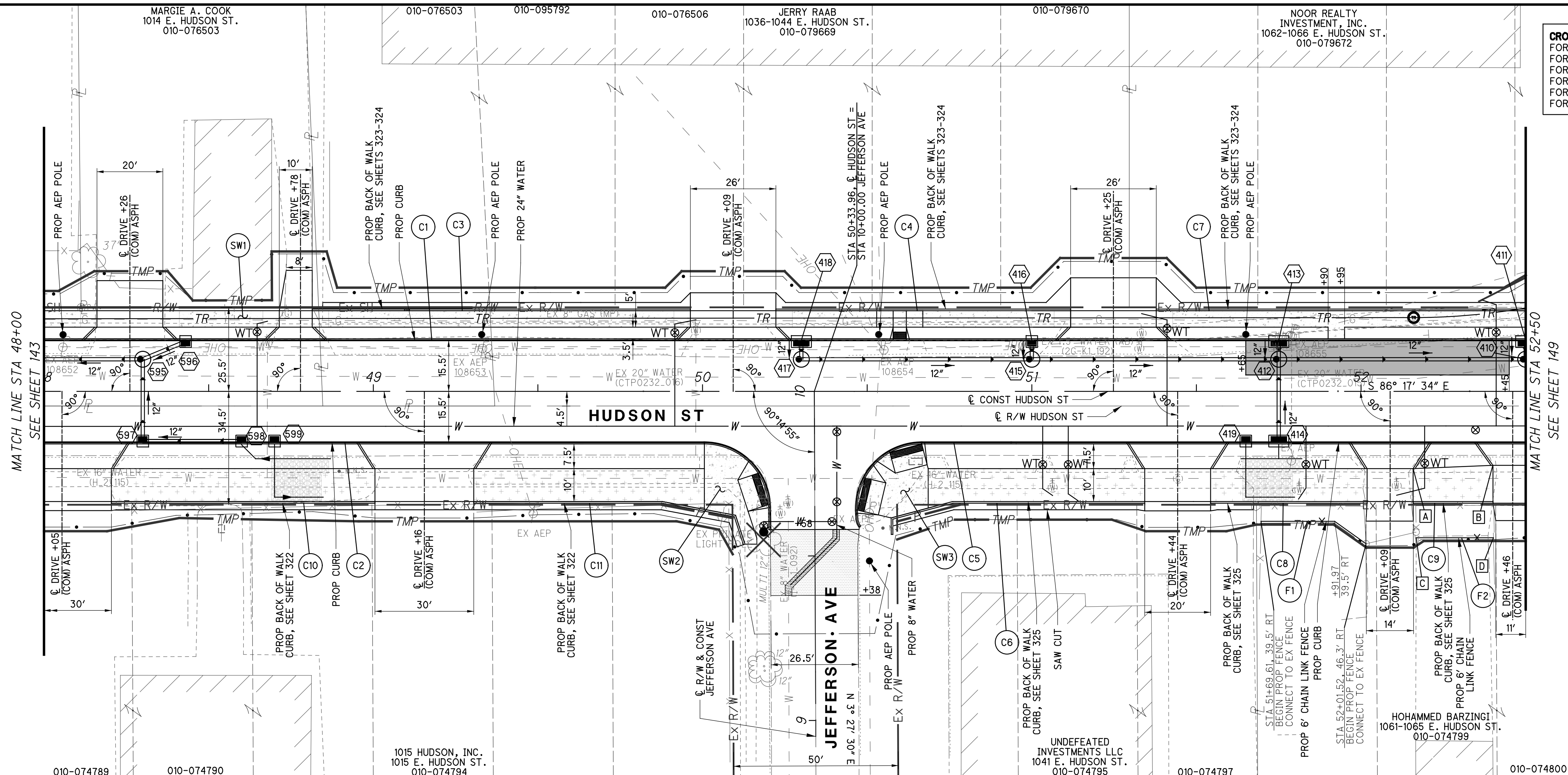
143  
 535

REFERENCE NO.	STATION		SIDE	604	605	606	607	608					609	SPEC	SPEC	SPEC																						
	FROM	TO		EA	EA	FT	FT	FT	\$F	\$F	EA	\$F	FT	FT	FT	EA	EA	EA																				
SW1	43+08	48+00	LT						1920	18	2	18																										
SW2	42+95	44+10	RT						715	40	2	40																										
SW3	44+37	47+15	RT						821	60	3	60																										
SW4	47+42	47+63	RT						401	20	1	20																										
C1	43+00	48+00	LT			500								500																								
C2	43+00	44+10	RT			137								137																								
C3	43+00	43+25	RT													26																						
C4	43+85	44+26	LT												40																							
C5	44+36	47+15	RT			323								323																								
C6	44+44	44+72	RT													32																						
C7	46+36	46+57	RT													21																						
C8	47+41	48+00	RT			81								81																								
C9	45+24	45+33	RT													8																						
C10	45+53	45+74	RT													21																						
C11	47+50	47+90	RT													48																						
ST1	44+73		LT													3																						
ST2	44+86		LT													3																						
ST3	44+52	44+57	RT													5																						
TOTALS CARRIED TO SHEET 173						1041			3857	138	8	138	11	1041	196																							

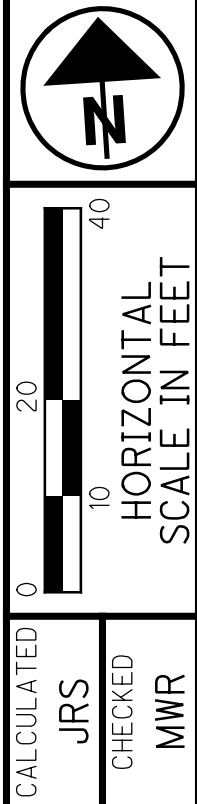




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**CROSS REFERENCES**  
 FOR DEMOLITION PLAN SEE SHEETS 93 TO 98  
 FOR INTERSECTION DETAILS SEE SHEET 269  
 FOR DRIVE DETAILS SEE SHEETS 289 TO 290  
 FOR STORM SEWER PROFILES SEE SHEETS 345 TO 346  
 FOR BACK OF WALK CURB SEE SHEETS 323 TO 325  
 FOR WATER WORK PLANS SEE SHEETS 362 TO 393



PLAN AND PROFILE - HUDSON ST  
 STA 48+00 TO STA 52+50

- LEGEND**
- ITEM 608 - 4" CONC WALK
  - SHARED USE PATH
  - COTA BUS PAD
  - ITEM 259 PER STD DWG 1441, TYPE 1
  - RESURFACING LIMITS
  - SILVA CELL
- A** STA 52+15.82, 23.50' RT  
 BEGIN SUP WIDTH TRANSITION
- B** STA 52+39.99, 22.50' RT  
 END SUP WIDTH TRANSITION
- C** STA 52+16.75, 44.5' RT  
 BEGIN PROP FENCE  
 CONNECT TO EX FENCE
- D** STA 52+40.21, 44.5' RT  
 END PROP FENCE  
 CONNECT TO EX FENCE

PROP ELEV	858.26	858.38	858.51	858.63	858.75	858.81	858.81	858.75	858.63	858.49	858.35	858.22	858.08	857.94	857.80	857.67	857.53	857.39	857.25	PROP ELEV
870																				870
865																				865
860																				860
855																				855
850																				850
845																				845
840																				840
EXIST ELEV	858.31	858.39	858.55	858.72	858.87	858.82	858.83	858.81	858.78	858.70	858.58	858.46	858.34	858.25	858.14	857.99	857.84	857.69	857.54	EXIST ELEV
	48+00				49+00				50+00				51+00				52+00			3575-E

HUDSON ST  
 146  
 535

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REFERENCE NO.	STATION		SIDE	604	605	606	607	608				609	SPEC	SPEC	SPEC																					
				SANITARY MANHOLE, ADJUSTED TO GRADE	4" PIPE UNDERDRAIN	GUARDRAIL, TYPE MGS	FENCE, TYPE CL, 6'	CONCRETE WALK, 4"	CONCRETE WALK, 8"	CURB RAMPS	DETECTABLE WARNING, TYPE E	CONCRETE STEPS	CURB, STRAIGHT 18"	CURB, AS PER PLAN	MANHOLE CURB ENTRANCE	BOLLARD	RELOCATE GUY WIRE																			
	EA	EA		FT	FT	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA																					
SW1	48+00	52+50	LT					1667	8	1	8																									
SW2	48+00	50+20	RT					334	20	1	20																									
SW3	50+47	52+50	RT					322	40	2	40																									
C1	48+00	52+50	LT		450									450																						
C2	48+00	50+21	RT		239									239																						
C3	48+81	49+96	LT											115																						
C4	50+22	51+12	LT											90																						
C5	50+47	52+50	RT		221									221																						
C6	50+57	51+34	RT											83																						
C7	51+38	52+50	LT											112																						
C8	51+54	52+02	RT											48																						
C9	52+16	52+40	RT											24																						
C10	48+20	49+01	RT											80																						
C11	49+31	50+13	RT											89																						
F1	51+70	52+02	RT				34																													
F2	52+17	52+40	RT				23																													
TOTALS CARRIED TO SHEET 173					910		57	2323	68	4	68		910	641																						

3575 - E

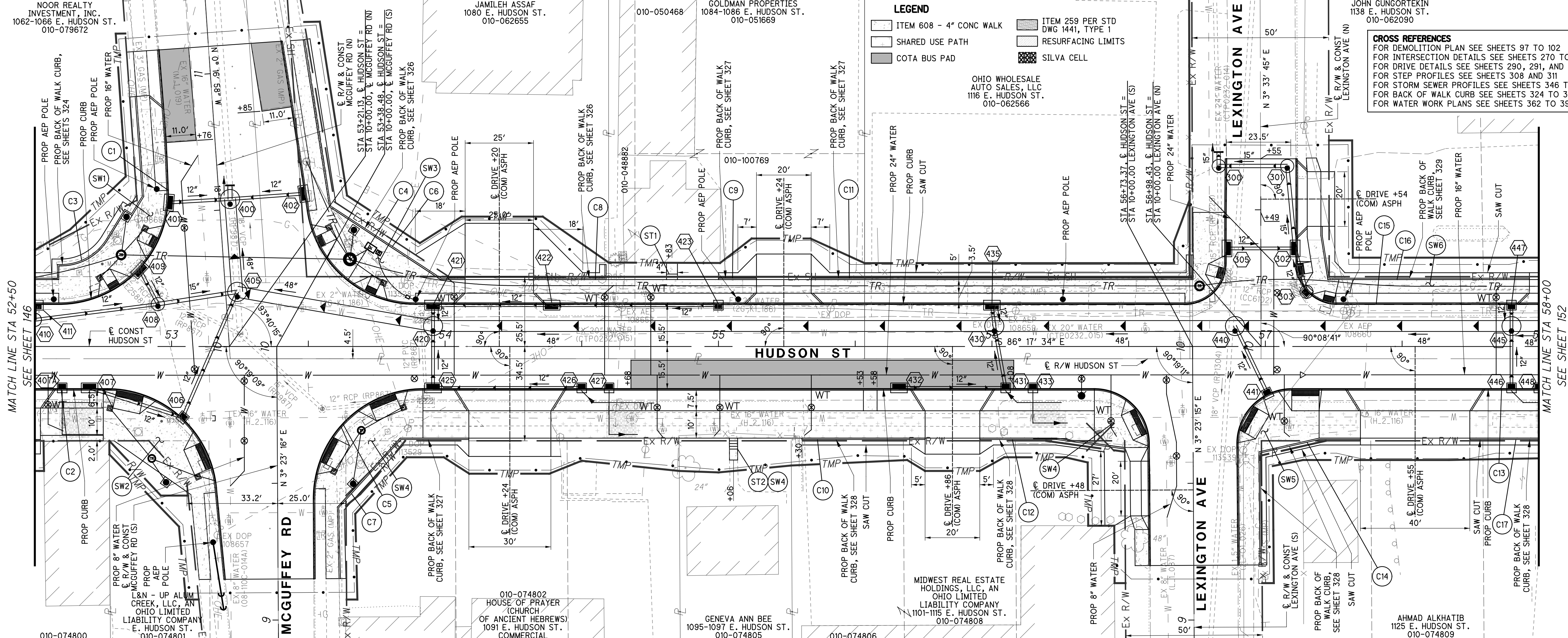
CALCULATED	JAL
CHECKED	MWR

ROADWAY SUBSUMMARY

HUDSON ST



10/5/2021 10:02:48 AM  
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**LEGEND**

- ITEM 608 - 4" CONC WALK
- SHARED USE PATH
- COTA BUS PAD
- ITEM 259 PER STD DWG 1441, TYPE 1
- RESURFACING LIMITS
- SILVA CELL

OHIO WHOLESALE AUTO SALES, LLC  
 1116 E. HUDSON ST.  
 010-062566

**CROSS REFERENCES**

FOR DEMOLITION PLAN SEE SHEETS 97 TO 102  
 FOR INTERSECTION DETAILS SEE SHEETS 270 TO 272  
 FOR DRIVE DETAILS SEE SHEETS 290, 291, AND 303  
 FOR STEP PROFILES SEE SHEETS 308 AND 311  
 FOR STORM SEWER PROFILES SEE SHEETS 346 TO 349  
 FOR BACK OF WALK CURB SEE SHEETS 324 TO 329  
 FOR WATER WORK PLANS SEE SHEETS 362 TO 393

CALCULATED: JRS  
 CHECKED: MWR

0 20 40  
 HORIZONTAL SCALE IN FEET

NORTH

PROP ELEV	857.25	857.12	856.88	856.84	856.71	856.63	856.61	856.65	856.75	856.88	857.00	857.13	857.25	857.38	857.50	857.63	857.75	857.88	858.00	858.13	858.25	858.38	858.50	PROP ELEV
865																								865
860																								860
855																								855
850																								850
845																								845
840																								840
835																								835
EXIST ELEV	857.54	857.49	857.46	857.40	857.28	857.07	857.07	857.08	857.20	857.38	857.47	857.58	857.68	857.75	857.87	858.07	858.00	858.13	858.17	858.30	858.43	858.47	858.58	EXIST ELEV
	53+00					54+00					55+00				56+00				57+00				58+00	

**PLAN AND PROFILE - HUDSON ST**  
**STA 52+50 TO STA 58+00**

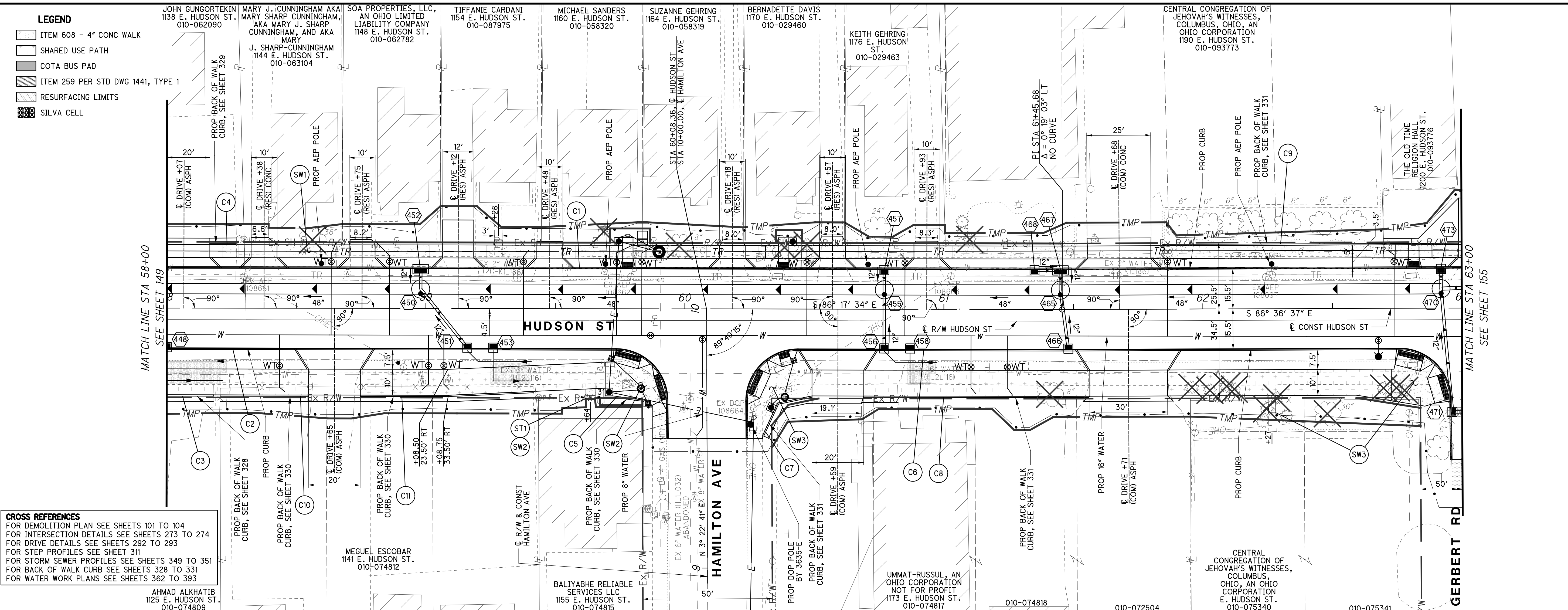
**HUDSON ST**

**3575-E**





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PROP ELEV	858.50	858.63	858.75	858.88	859.00	859.13	859.25	859.38	859.50	859.63	859.75	859.88	860.00	860.13	860.25	860.38	860.50	860.59	860.61	860.59	860.50	PROP ELEV
870																						870
865																						865
860																						860
855																						855
850																						850
845																						845
840																						840
EXIST ELEV	858.58	858.72	858.84	858.96	859.09	859.21	859.30	859.40	859.46	859.48	859.61	859.73	859.82	859.98	860.21	860.37	860.35	860.34	860.41	860.48	860.62	EXIST ELEV
	58+00				59+00					60+00			61+00				62+00				63+00	

PLAN AND PROFILE - HUDSON ST  
 STA 58+00 TO STA 63+00

HUDSON ST

152  
535

3575-E

0  
10  
20  
40  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
JRS  
CHECKED  
MWR



REFERENCE NO.	STATION		SIDE	604		605	606	607	608				609		SPEC	SPEC	SPEC																									
	FROM	TO		EA	EA	FT	FT	FT	EA	SF	SF	EA	SF	FT	FT	FT	EA	EA	EA																							
SW1	58+22	62+94	LT						1535	24	3	24																														
SW2	59+62	59+93	RT						389	40	2	40																														
SW3	60+24	62+95	RT						744	68	4	68																														
C1	58+00	63+00	LT			500								500																												
C2	58+00	59+94	RT			219								219																												
C3	58+00	58+18	RT												18																											
C4	58+17	58+27	LT												10																											
C5	59+69	59+87	RT												23																											
C6	60+24	62+96	RT			332								332																												
C7	60+30	60+49	RT												27																											
C8	60+69	61+56	RT												87																											
C9	61+84	62+99	LT												114																											
C10	58+21	58+55	RT												34																											
C11	58+75	59+42	RT												67																											
ST1	59+64		RT										1																													

<b>ROADWAY SUBSUMMARY</b>	<b>HUDSON ST</b>		
CALCULATED JAL CHECKED MWR	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 20px; height: 20px; border-radius: 50%; text-align: center; line-height: 20px;">153</td> </tr> <tr> <td style="width: 20px; height: 20px; border-radius: 50%; text-align: center; line-height: 20px;">535</td> </tr> </table>	153	535
153			
535			

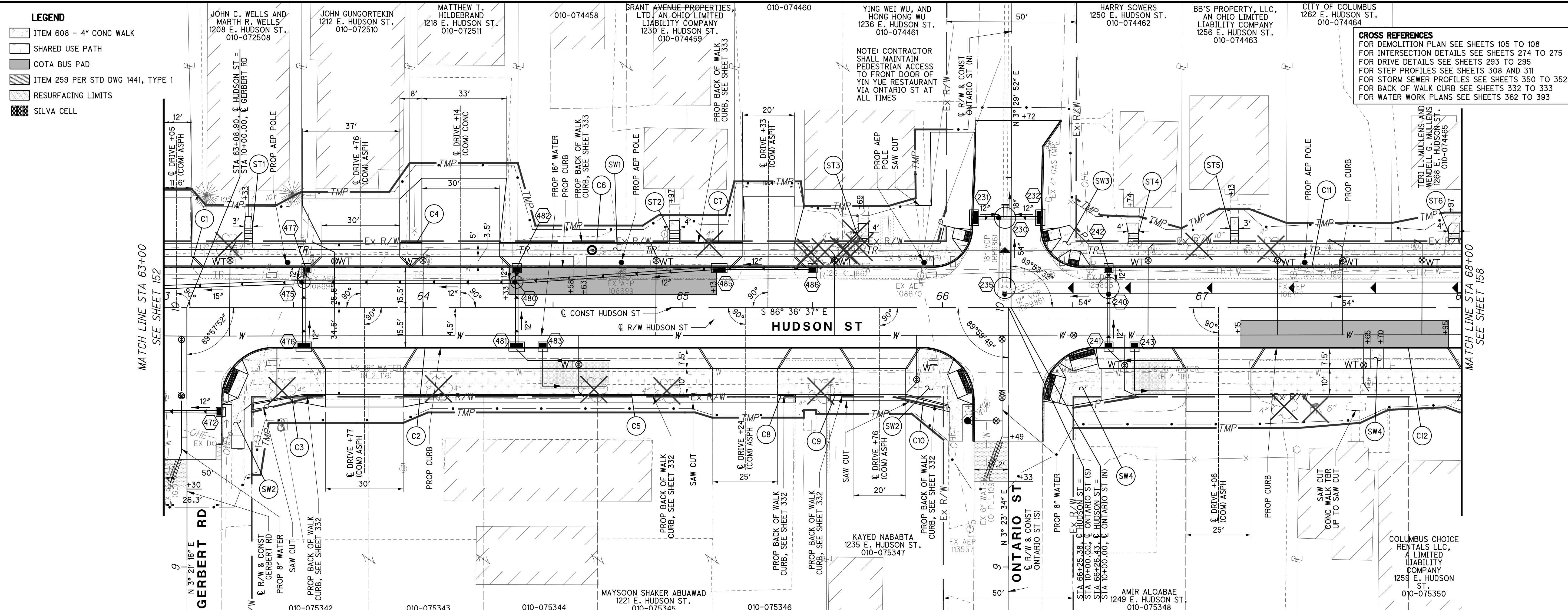
TOTALS CARRIED TO SHEET 173

1051      2668    132    9    132    1    1051    380

**3575 - E**



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EXIST ELEV	840	845	850	855	860	865	870	PROP ELEV
860.62								860.50
860.66								860.40
860.76								860.35
860.84								860.37
860.95								860.45
861.05								860.59
861.18								860.74
861.32								860.89
861.40								861.04
861.49								861.19
861.62								861.34
861.72								861.49
861.74								861.64
861.97								861.79
861.96								861.94
862.08								862.09
862.16								862.24
862.24								862.38
862.32								862.46
862.43								862.48
862.53								862.44
								PROP ELEV

MATCH LINE STA 63+00  
SEE SHEET 152

MATCH LINE STA 68+00  
SEE SHEET 158

63+00

64+00

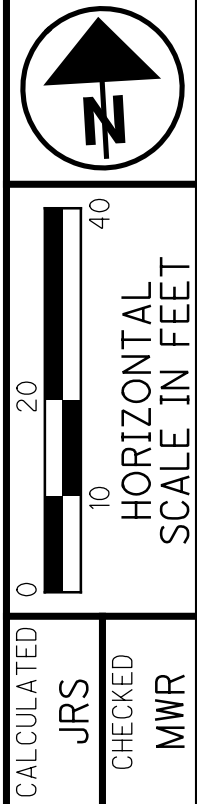
65+00

66+00

67+00

68+00

**CROSS REFERENCES**  
FOR DEMOLITION PLAN SEE SHEETS 105 TO 108  
FOR INTERSECTION DETAILS SEE SHEETS 274 TO 275  
FOR DRIVE DETAILS SEE SHEETS 293 TO 295  
FOR STEP PROFILES SEE SHEETS 308 AND 311  
FOR STORM SEWER PROFILES SEE SHEETS 350 TO 352  
FOR BACK OF WALK CURB SEE SHEETS 332 TO 333  
FOR WATER WORK PLANS SEE SHEETS 362 TO 393



PLAN AND PROFILE - HUDSON ST  
STA 63+00 TO STA 68+00

HUDSON ST

155  
535

3575-E

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REFERENCE NO.	STATION		SIDE	604		605	606	607	608				609		SPEC	SPEC	SPEC																			
	FROM	TO		EA	EA	FT	FT	FT	\$F	\$F	EA	\$F	FT	FT	FT	EA	EA	EA																		
SW1	63+16	66+11	LT						1075	8	1	8																								
SW2	63+23	66+12	RT						780	40	2	40																								
SW3	66+39	68+00	LT						969	16	2	16																								
SW4	66+39	67+70	RT						361	40	2	40																								
C1	63+00	66+12	LT			358								358																						
C2	63+22	66+12	RT			352								352																						
C3	63+34	63+62	RT											31																						
C4	63+91	63+99	LT											9																						
C5	63+92	65+12	RT											119																						
C6	64+29	64+95	LT											71																						
C7	64+99	65+23	LT											30																						
C8	65+37	65+43	RT											10																						
C9	65+56	65+66	RT											12																						
C10	65+86	66+02	RT											17																						
C11	66+38	68+00	LT			214								214																						
C12	66+39	68+00	RT			188								188																						
ST1	63+33		LT											5																						
ST2	64+97		LT											5																						
ST3	65+69		LT											3																						
ST4	66+74		LT											3																						
ST5	67+13		LT											2																						
ST6	67+97		LT											2																						
TOTALS CARRIED TO SHEET 173						1112			3185	104	7	104	20	1112	299																					

3575 - E

CALCULATED
JAL
CHECKED
MWR

ROADWAY SUBSUMMARY

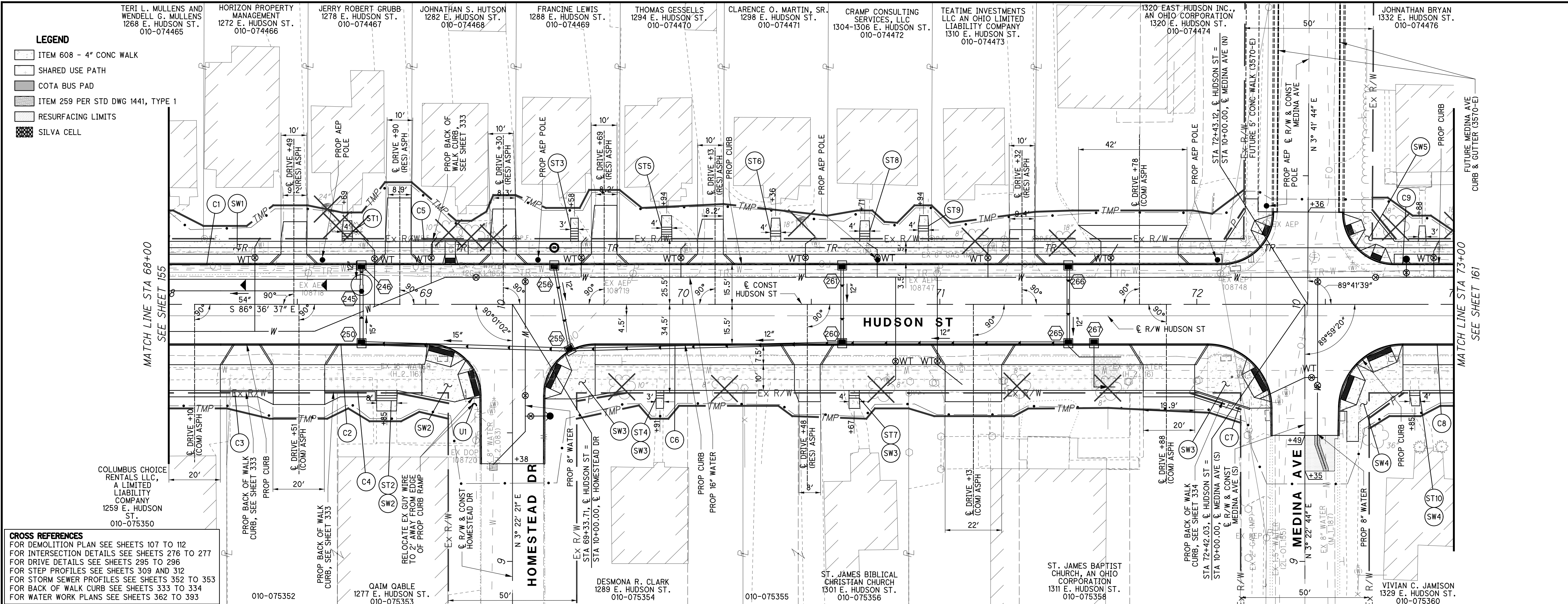
HUDSON ST

156

535



10/03/2021 10:03:00 AM  
 10/5/2021 10:03:00 AM  
 10/18/2021 02:39:21 C:\Design\02392\_Hudson\Design\Roadway Sheets\02392\_GP105.dgn



**CROSS REFERENCES**  
 FOR DEMOLITION PLAN SEE SHEETS 107 TO 112  
 FOR INTERSECTION DETAILS SEE SHEETS 276 TO 277  
 FOR DRIVE DETAILS SEE SHEETS 295 TO 296  
 FOR STEP PROFILES SEE SHEETS 309 AND 312  
 FOR STORM SEWER PROFILES SEE SHEETS 352 TO 353  
 FOR BACK OF WALK CURB SEE SHEETS 333 TO 334  
 FOR WATER WORK PLANS SEE SHEETS 362 TO 393

PROP ELEV	862.44	862.33	862.25	862.22	862.25	862.33	862.46	862.58	862.71	862.83	862.96	863.08	863.21	863.33	863.46	863.58	863.71	863.83	863.95	864.03	864.04	PROP ELEV
875																						875
870																						870
865																						865
860																						860
855																						855
850																						850
845																						845
EXIST ELEV	862.53	862.65	862.77	862.88	862.96	863.07	863.15	863.26	863.37	863.47	863.57	863.66	863.77	863.84	863.89	863.95	863.83	863.78	863.71	863.59	863.56	EXIST ELEV
	68+00				69+00				70+00				71+00				72+00					73+00

**PLAN AND PROFILE - HUDSON ST**  
**STA 68+00 TO STA 73+00**

**HUDSON ST**

158  
535

0 20 40  
HORIZONTAL SCALE IN FEET

CALCULATED JRS  
CHECKED MWR

isoltasz 10/5/2021 10:03:01 AM  
 \\031218\2018\02392\C.Design\02392\_Hudson\_Design\Roadway\Sheets\02392\_GS105.dgn

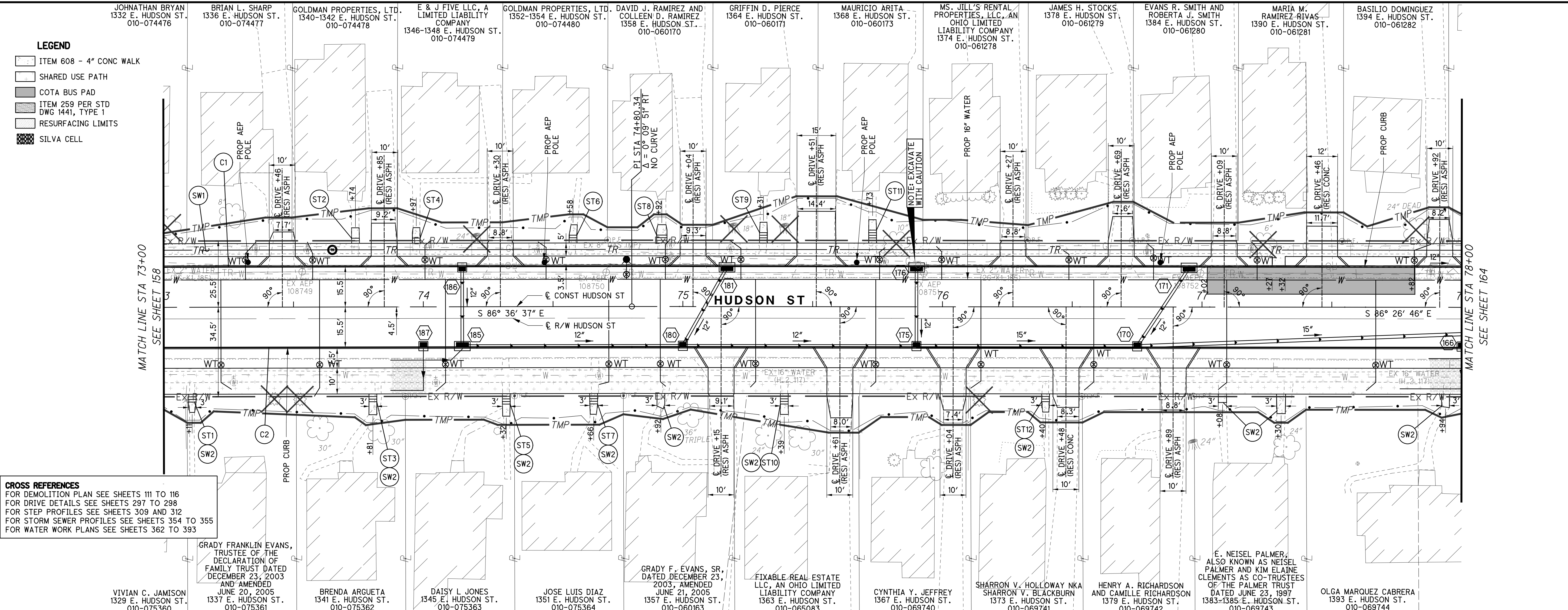
REFERENCE NO.	STATION		SIDE	604	605	606	607	608				609		SPEC	SPEC	SPEC																								
				SANITARY MANHOLE, ADJUSTED TO GRADE	4" PIPE UNDERDRAIN	GUARDRAIL, TYPE MGS	FENCE, TYPE CL, 6'	CONCRETE WALK, 4"	CONCRETE WALK, 8"	CURB RAMPS	DETECTABLE WARNING, TYPE E	CONCRETE STEPS	CURB, STRAIGHT 18"	CURB, AS PER PLAN	MANHOLE CURB ENTRANCE	BOLLARD	RELOCATE GUY WIRE																							
	EA	EA		FT	FT	FT	SF	SF	EA	SF	FT	FT	FT	EA	EA	EA																								
SW1	68+00	72+29	LT						1654	16	2	16																												
SW2	68+81	69+21	RT						371	40	2	40																												
SW3	69+46	72+29	RT						735	40	2	40																												
SW4	72+56	72+87	RT						491	40	2	40																												
SW5	72+57	73+00	LT						370	16	2	16																												
C1	68+00	72+30	LT			442								442																										
C2	68+00	69+22	RT			159								159																										
C3	68+20	68+41	RT												21																									
C4	68+61	68+81	RT												24																									
C5	68+94	69+25	LT												31																									
C6	69+46	72+29	RT			346								346																										
C7	71+99	72+21	RT												23																									
C8	72+55	73+00	RT			70								70																										
C9	72+57	73+00	LT			55								55																										
ST1	68+69		LT											3																										
ST2	68+85		RT											2																										
ST3	69+58		LT											5																										
ST4	69+91		RT											2																										
ST5	69+94		LT											5																										
ST6	70+36		LT											2																										
ST7	70+67		RT											1																										
ST8	70+71		LT											2																										
ST9	70+94		LT											2																										
ST10	72+85		RT											1																										
U1	69+19		RT																																					
<b>TOTALS CARRIED TO SHEET 173</b>								3621	152	10	152	25	1072	99																										

ROADWAY SUBSUMMARY	CALCULATED JAL CHECKED MWR
HUDSON ST	<div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: auto;"> <span style="font-size: 10px; margin: 0 5px;">159</span> </div> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: auto;"> <span style="font-size: 10px; margin: 0 5px;">535</span> </div>

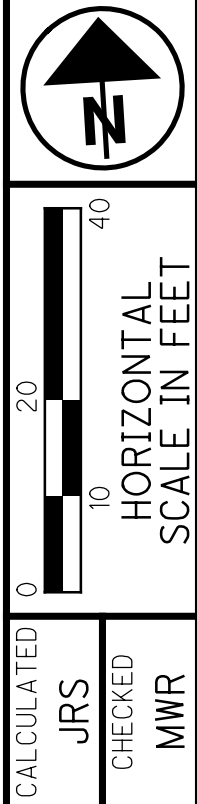
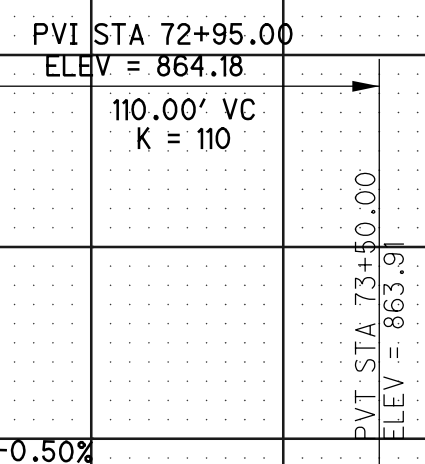
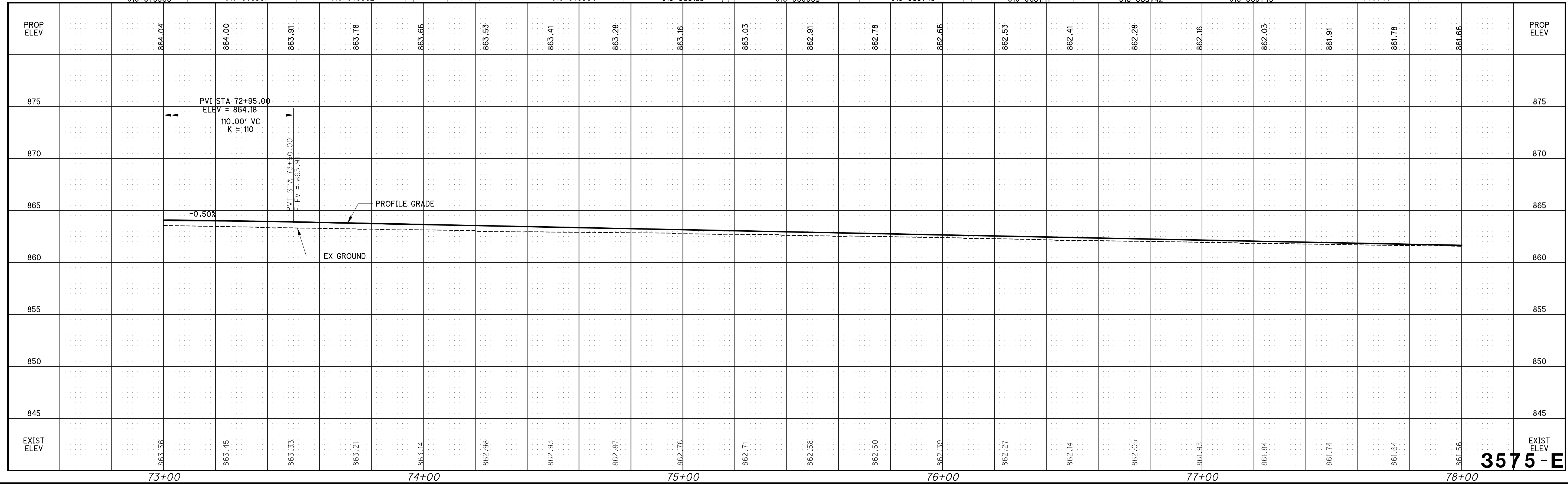




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**CROSS REFERENCES**  
 FOR DEMOLITION PLAN SEE SHEETS 111 TO 116  
 FOR DRIVE DETAILS SEE SHEETS 297 TO 298  
 FOR STEP PROFILES SEE SHEETS 309 AND 312  
 FOR STORM SEWER PROFILES SEE SHEETS 354 TO 355  
 FOR WATER WORK PLANS SEE SHEETS 362 TO 393



**PLAN AND PROFILE - HUDSON ST**  
**STA 73+00 TO STA 78+00**

**HUDSON ST**

161  
 535

**3575-E**

CALCULATED: JRS  
 CHECKED: MWR

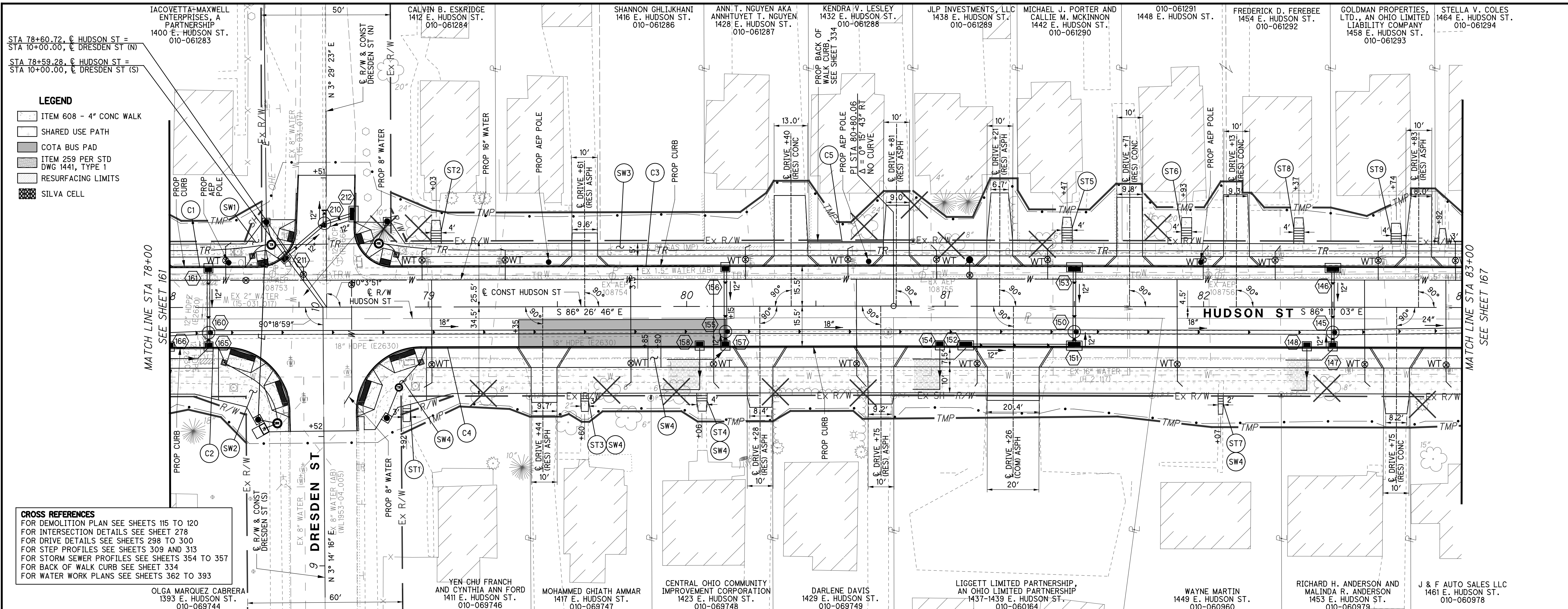
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REFERENCE NO.	STATION		SIDE	604		605	606	607	608			609		SPEC	SPEC	SPEC																		
	FROM	TO		EA	EA	FT	FT	FT	\$F	\$F	EA	\$F	FT	FT	FT	EA	EA	EA																
SW1	73+00	77+82	LT																															
SW2	73+09	77+95	RT								1569																							
											156																							
C1	73+00	78+00	LT			500							500																					
C2	73+00	78+00	RT			500							500																					
ST1	73+11		RT										2																					
ST2	73+74		LT										1																					
ST3	73+81		RT										2																					
ST4	73+97		LT										1																					
ST5	74+32		RT										3																					
ST6	74+58		LT										2																					
ST7	74+66		RT										3																					
ST8	74+92		LT										2																					
ST9	75+31		LT										4																					
ST10	75+39		RT										3																					
ST11	75+73		LT										4																					
ST12	76+40		RT										2																					
<b>TOTALS CARRIED TO SHEET 173</b>						<b>1000</b>					<b>1725</b>		<b>29</b>	<b>1000</b>																				

3575-E



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 2018 02392 C Design 02392\_Hudson\_Roadway\_Sheets\_02392\_GP107.dgn



- LEGEND**
- ITEM 608 - 4" CONC WALK
  - SHARED USE PATH
  - COTA BUS PAD
  - ITEM 259 PER STD DWG 1441, TYPE 1
  - RESURFACING LIMITS
  - SILVA CELL

**CROSS REFERENCES**

- FOR DEMOLITION PLAN SEE SHEETS 115 TO 120
- FOR INTERSECTION DETAILS SEE SHEET 278
- FOR DRIVE DETAILS SEE SHEETS 298 TO 300
- FOR STEP PROFILES SEE SHEETS 309 AND 313
- FOR STORM SEWER PROFILES SEE SHEETS 354 TO 357
- FOR BACK OF WALK CURB SEE SHEET 334
- FOR WATER WORK PLANS SEE SHEETS 362 TO 393

PROP ELEV	861.66	861.53	861.41	861.28	861.16	861.03	860.91	860.78	860.66	860.53	860.41	860.28	860.16	860.03	859.91	859.78	859.66	859.53	859.41	859.28	859.16	PROP ELEV
870																						870
865																						865
860																						860
855																						855
850																						850
845																						845
840																						840
EXIST ELEV	861.56	861.43	861.32	861.21	861.14	861.06	860.98	860.89	860.80	860.70	860.59	860.47	860.38	860.31	860.23	859.86	859.06	858.90	858.67	858.46	858.13	EXIST ELEV
	78+00			79+00					80+00				81+00				82+00				83+00	

PROFILE GRADE  
EX GROUND



PLAN AND PROFILE - HUDSON ST  
 STA 78+00 TO STA 83+00

HUDSON ST

164  
535

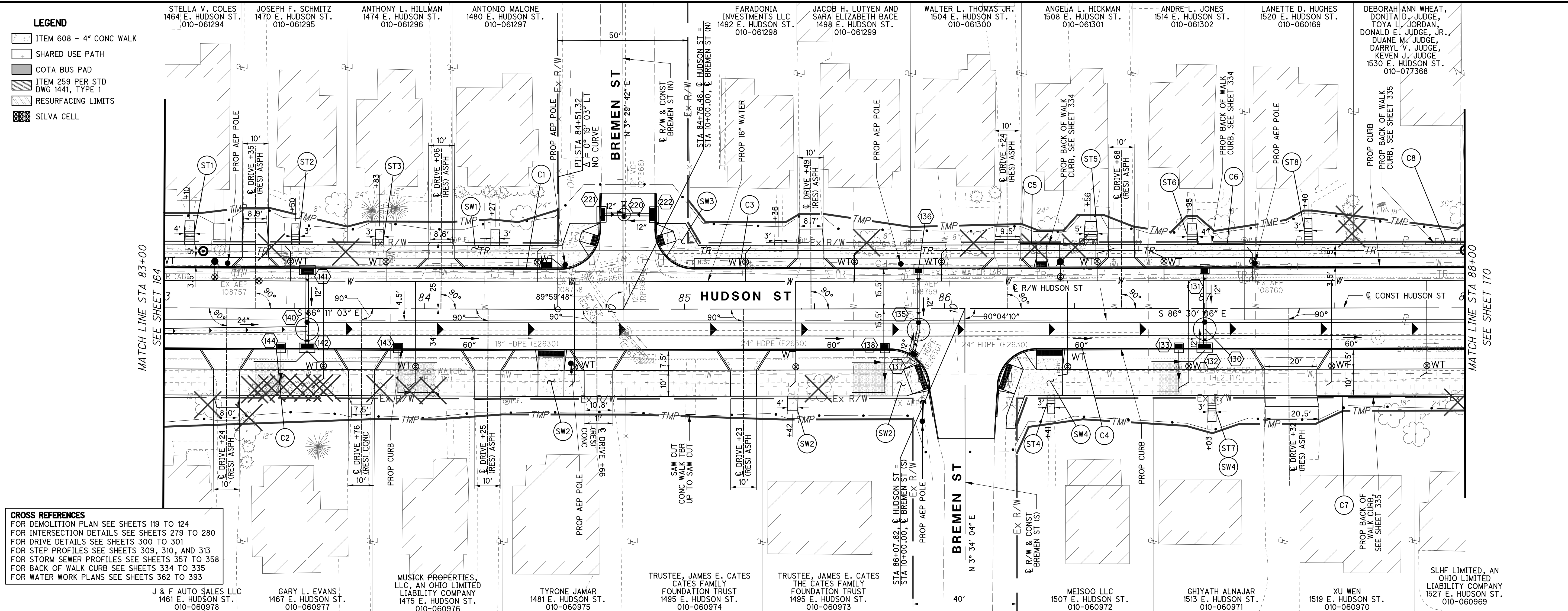
**3575-E**

CALCULATED JRS  
 CHECKED MWR





10/03/21 10:03:11 AM  
 10/5/2021 10:03:11 AM  
 2018/02/392.C.Design\_02392\_Hudson\_Roadway\_Sheets\_02392\_GP108.dgn



**CROSS REFERENCES**  
 FOR DEMOLITION PLAN SEE SHEETS 119 TO 124  
 FOR INTERSECTION DETAILS SEE SHEETS 279 TO 280  
 FOR DRIVE DETAILS SEE SHEETS 300 TO 301  
 FOR STEP PROFILES SEE SHEETS 309, 310, AND 313  
 FOR STORM SEWER PROFILES SEE SHEETS 357 TO 358  
 FOR BACK OF WALK CURB SEE SHEETS 334 TO 335  
 FOR WATER WORK PLANS SEE SHEETS 362 TO 393

PROP ELEV	859.16	859.06	859.02	859.04	859.11	859.23	859.35	859.41	859.41	859.36	859.25	859.12	858.99	858.86	858.73	858.60	858.47	858.34	858.21	858.08	857.95	PROP ELEV
870																						870
865																						865
860																						860
855																						855
850																						850
845																						845
840																						840
EXIST ELEV	858.13	858.23	858.25	858.16	858.22	858.52	858.77	858.86	858.76	858.66	858.60	858.47	858.41	858.32	858.18	858.10	858.01	857.93	857.83	857.72	857.63	EXIST ELEV
	83+00				84+00							85+00										86+00
																						87+00
																						88+00

HORIZONTAL SCALE IN FEET

CALCULATED: JRS  
 CHECKED: MWR

PLAN AND PROFILE - HUDSON ST  
 STA 83+00 TO STA 88+00

HUDSON ST

167
535

3575-E

isoltasz 10/03/12 AM  
 10/5/2021  
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REFERENCE NO.	STATION		SIDE	604		605	606	607	608				609		SPEC	SPEC	SPEC																				
	FROM	TO		EA	EA	FT	FT	FT	\$F	\$F	EA	\$F	FT	FT	FT	EA	EA	EA																			
SW1	83+00	84+67	LT						821	16	2	16																									
SW2	84+44	85+94	RT						325	40	2	40																									
SW3	84+89	88+00	LT						1431	16	2	16																									
SW4	86+21	87+04	RT						419	40	2	40																									
C1	83+00	84+68	LT			188							188																								
C2	83+00	85+97	RT			313							313																								
C3	84+89	88+00	LT			332							332																								
C4	86+19	88+00	RT			199							199																								
C5	86+29	86+54	LT											25																							
C6	86+97	87+15	LT											18																							
C7	87+43	88+00	RT											57																							
C8	87+85	88+00	LT											15																							
ST1	83+10		LT										5																								
ST2	83+50		LT										4																								
ST3	83+83		LT										2																								
ST4	86+41		RT										2																								
ST5	86+56		LT										4																								
ST6	86+95		LT										3																								
ST7	87+03		RT										3																								
ST8	87+40		LT										5																								
TOTALS CARRIED TO SHEET 173						1032			2996	112	8	112	28	1032	115																						

**ROADWAY SUBSUMMARY**

**HUDSON ST**

CALCULATED  
 JAL  
 CHECKED  
 MWR

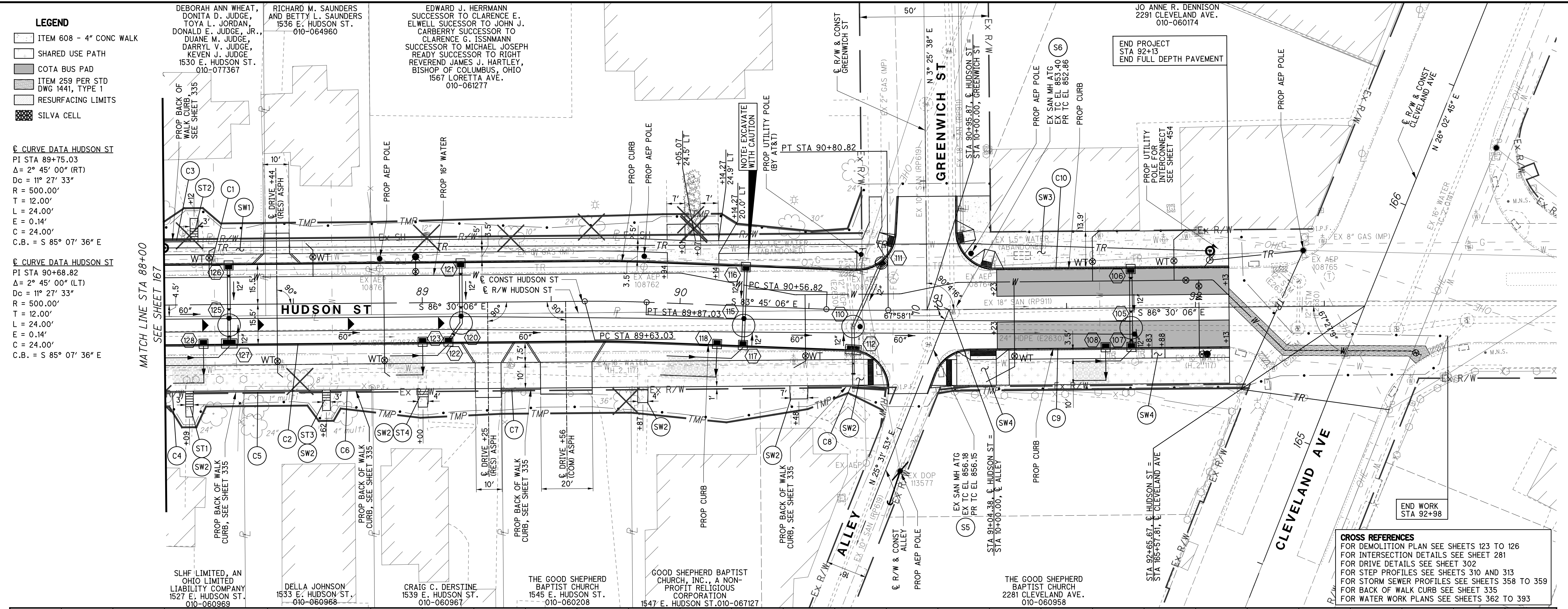
**3575 - E**

168  
535





10/03/18 AM  
 10/5/2021 10:03:18 AM  
 2018\02392\C\_Design\02392\_Hudson\_Roadway\_Sheets\02392\_GP109.dgn



**PLAN AND PROFILE - HUDSON ST  
 STA 8+00 TO END PROJECT**

PROP ELEV	857.95	857.82	857.69	857.56	857.43	857.30	857.17	857.04	856.91	856.78	856.65	856.52	856.39	856.26	856.13	856.00	855.87	855.81	PROP ELEV	
865																			865	
860																			860	
855																			855	
850																			850	
845																			845	
840																			840	
835																			835	
EXIST ELEV	857.63	857.54	857.49	857.47	857.28	857.14	857.08	857.05	856.94	856.82	856.69	856.56	856.45	856.33	856.20	856.08	855.91	855.72	855.69	EXIST ELEV
	88+00				89+00				90+00				91+00				92+00			

-0.50%  
 -0.75%

EX GROUND  
 PROFILE GRADE

EX W (SERV)  
 EX 10" SAN PVC (RP619)  
 EX 18" SAN VCP (RP911)

END PROFILE  
 STA 92+13.00  
 ELEV = 855.81

3575-E

**HUDSON ST**  
 170  
 535

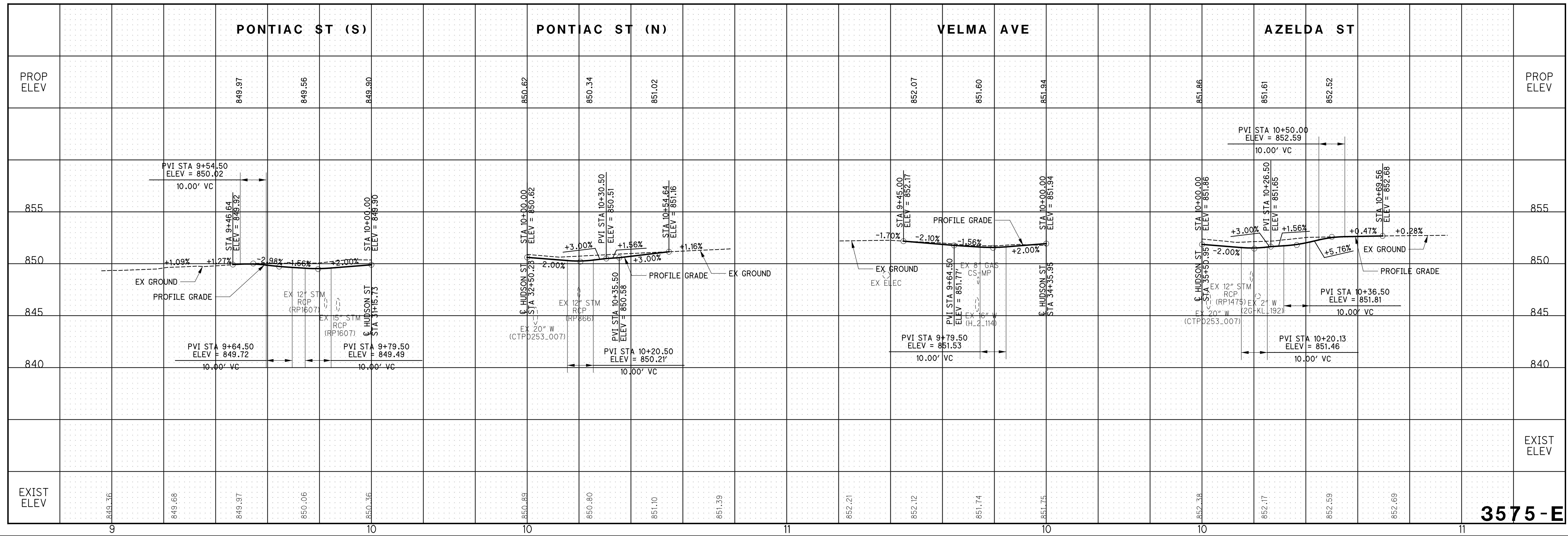
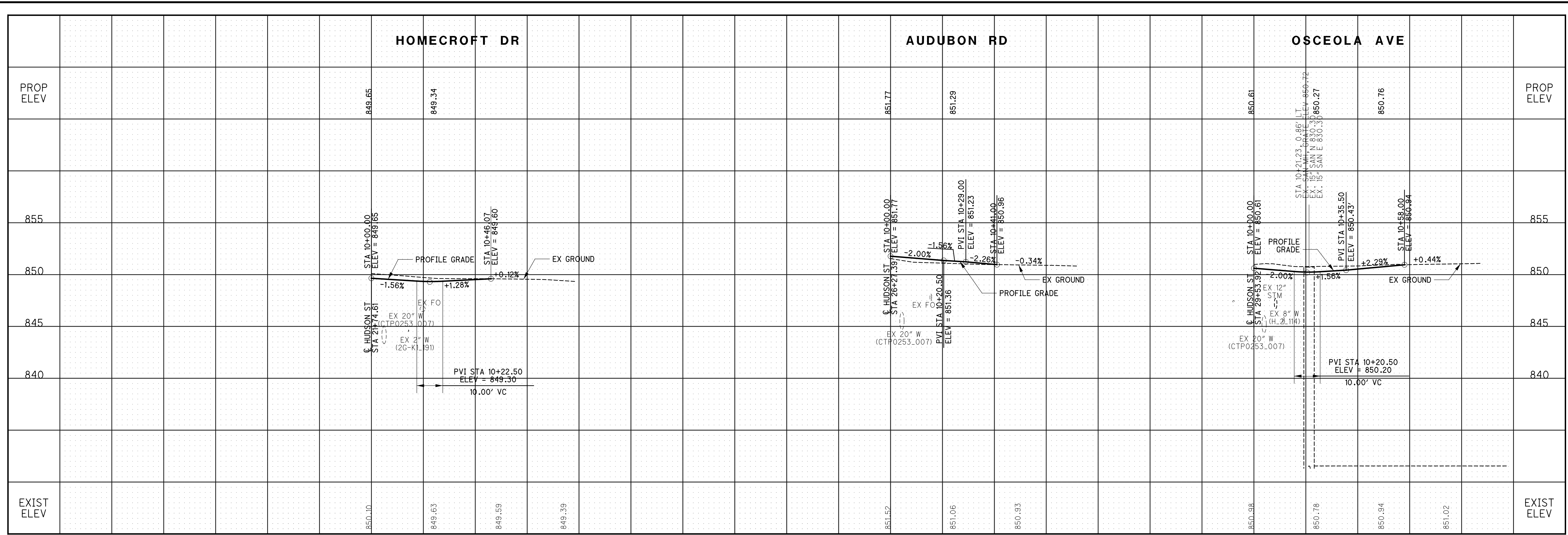








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CALCULATED  
 JRS  
 CHECKED  
 MWR

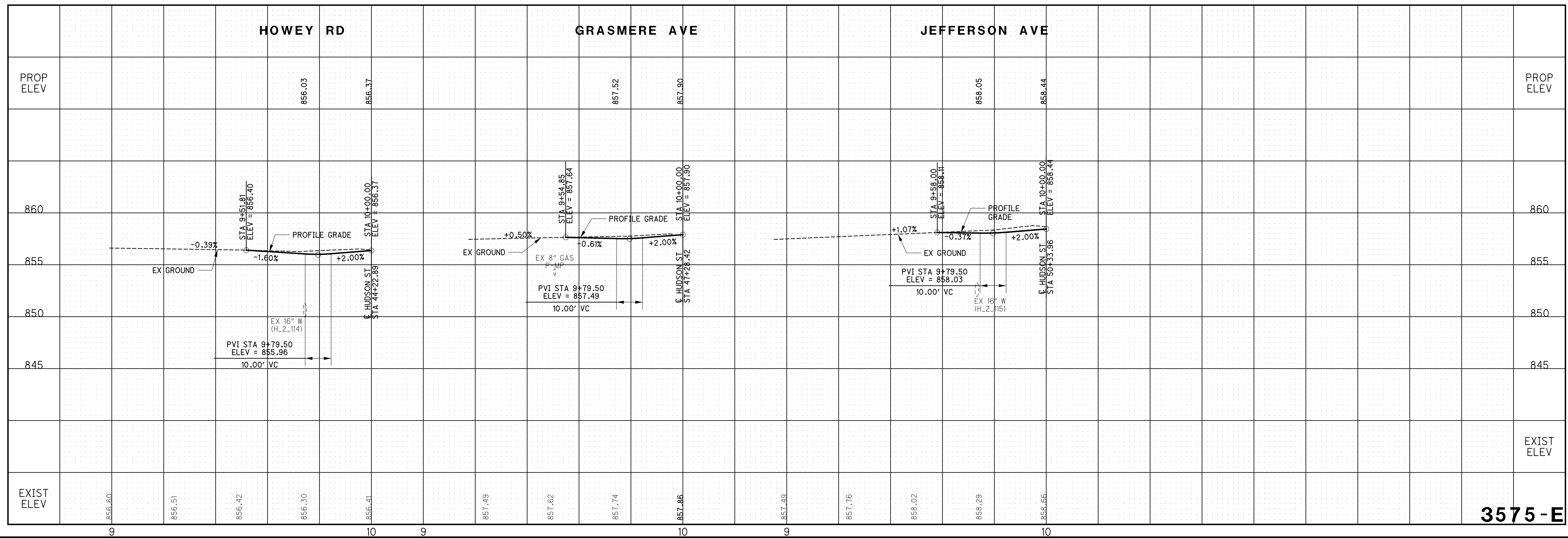
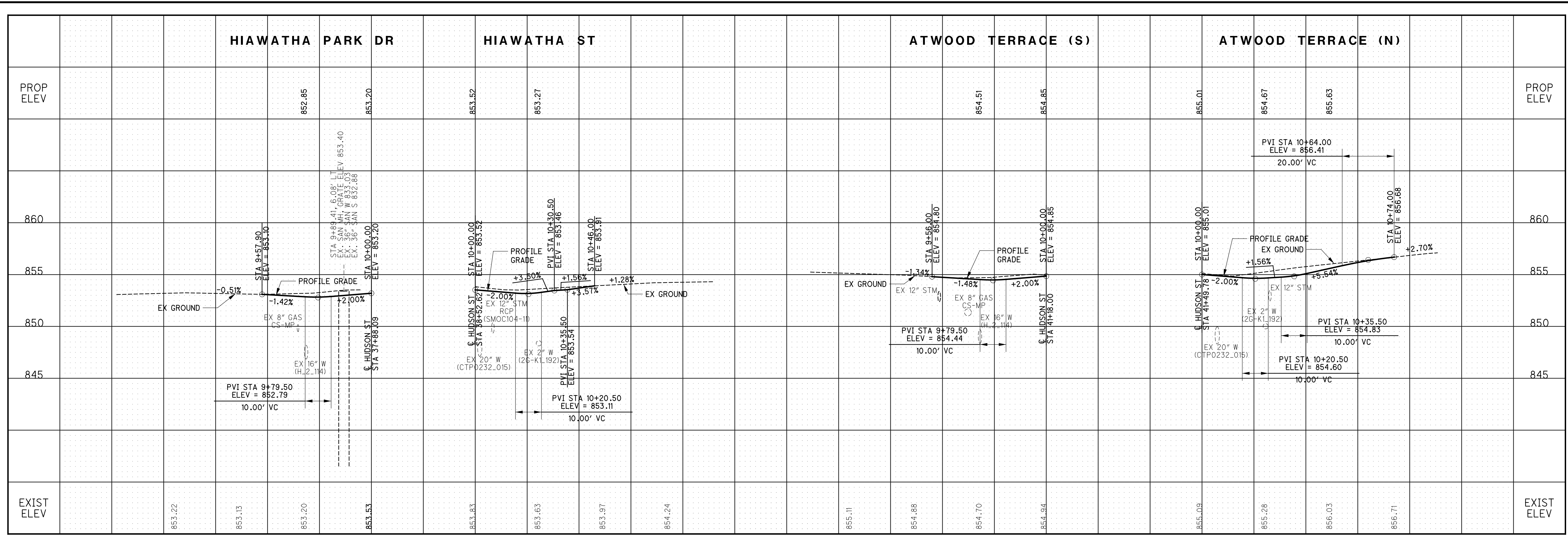
**SIDE STREET PROFILES**

**HUDSON ST**

175  
 535

**3575-E**

soltesz 10/03/23 AM  
 10/5/2021 10:03:23 AM  
 \\01\2018\02392\C\_Design\02392\_Hudson\Design\Roadway\Sheets\02392\_GF002.dgn



CALCULATED  
 JRS  
 CHECKED  
 MWR

**SIDE STREET PROFILES**

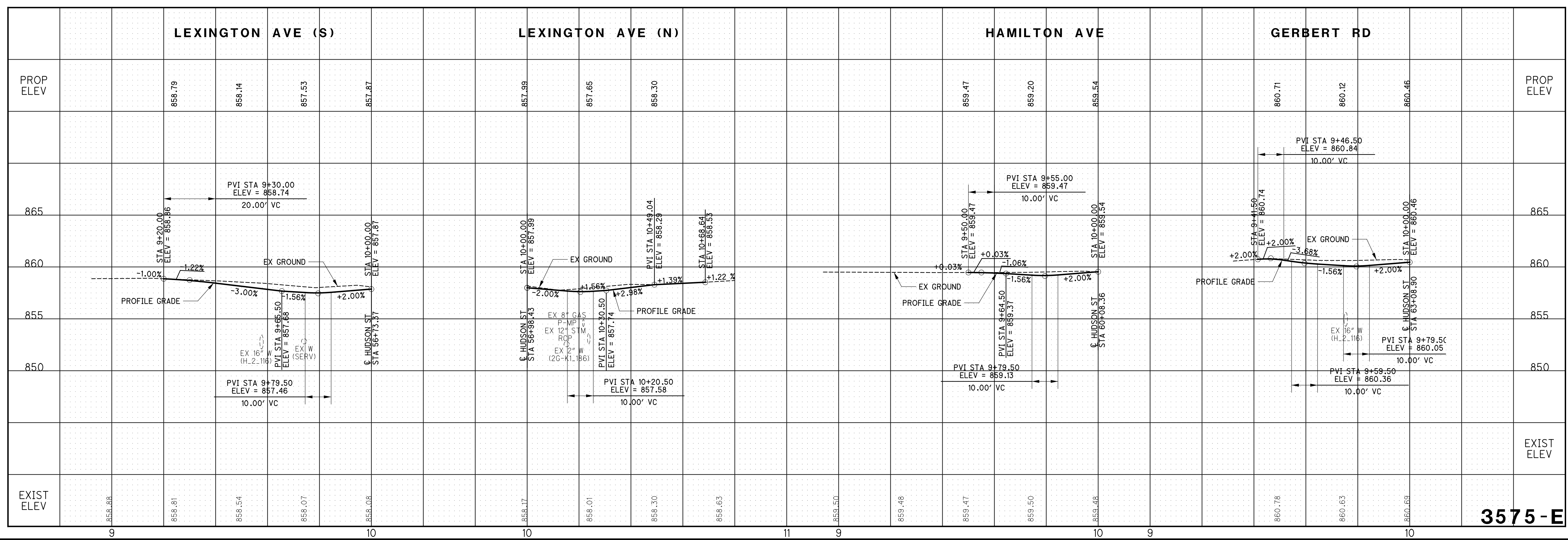
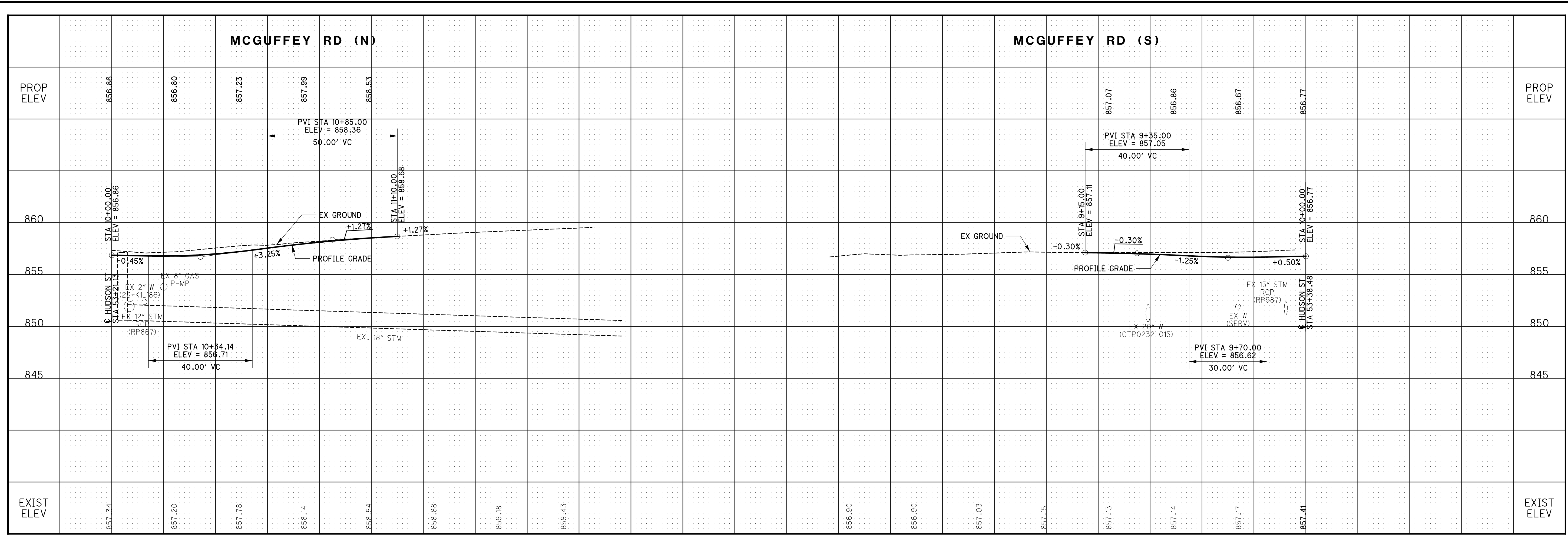
**HUDSON ST**

**3575-E**

176  
 535



soltesz 10/03/24 AM  
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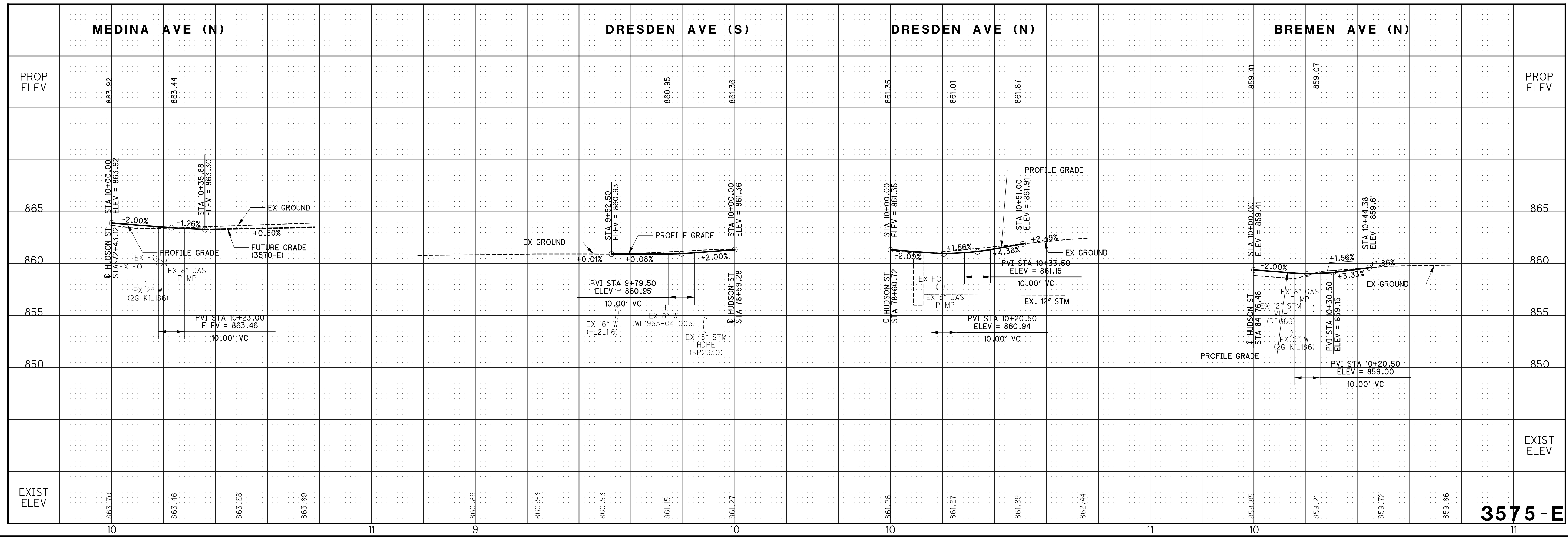
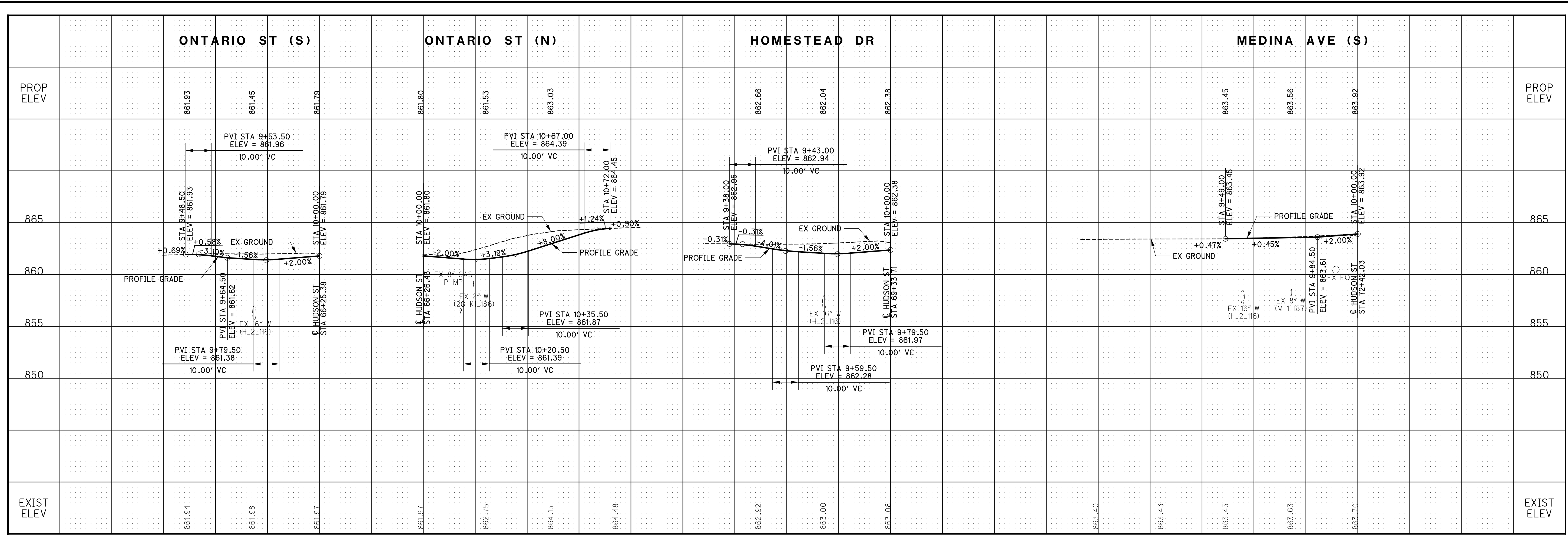
CALCULATED  
 JRS  
 CHECKED  
 MWR

SIDE STREET PROFILES

HUDSON ST

177  
 535

3575-E



CALCULATED  
 JRS  
 CHECKED  
 MWR

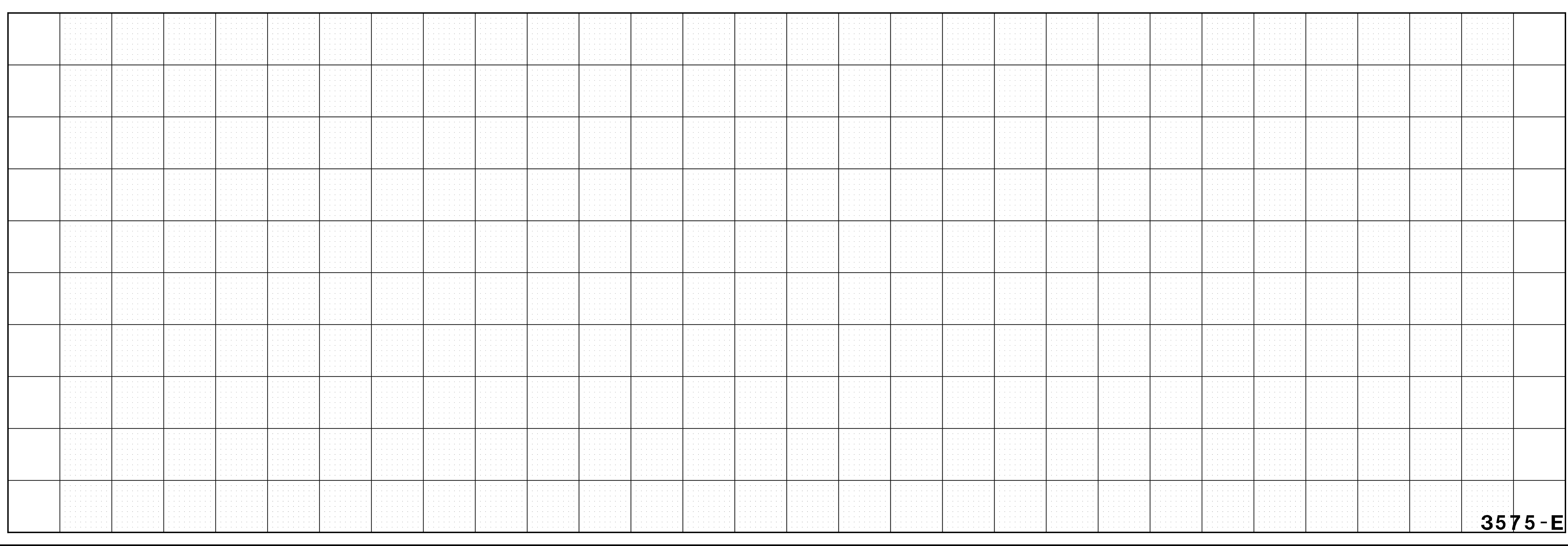
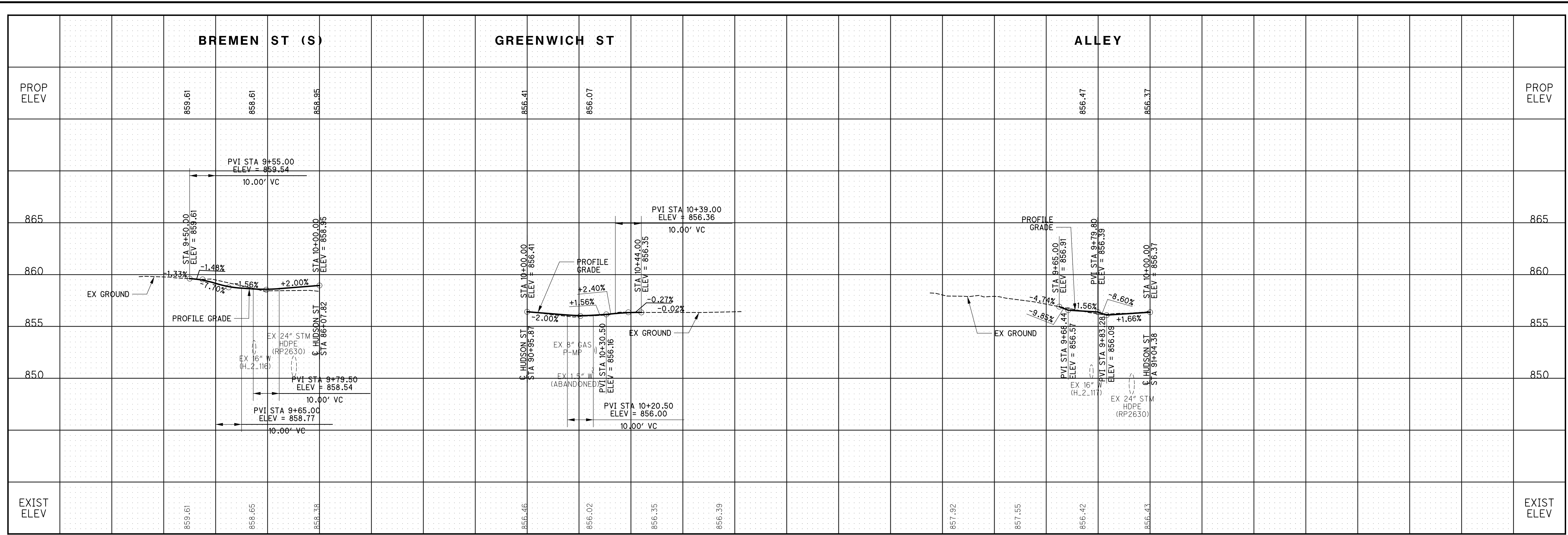
**SIDE STREET PROFILES**

**HUDSON ST**

178  
 535

**3575-E**

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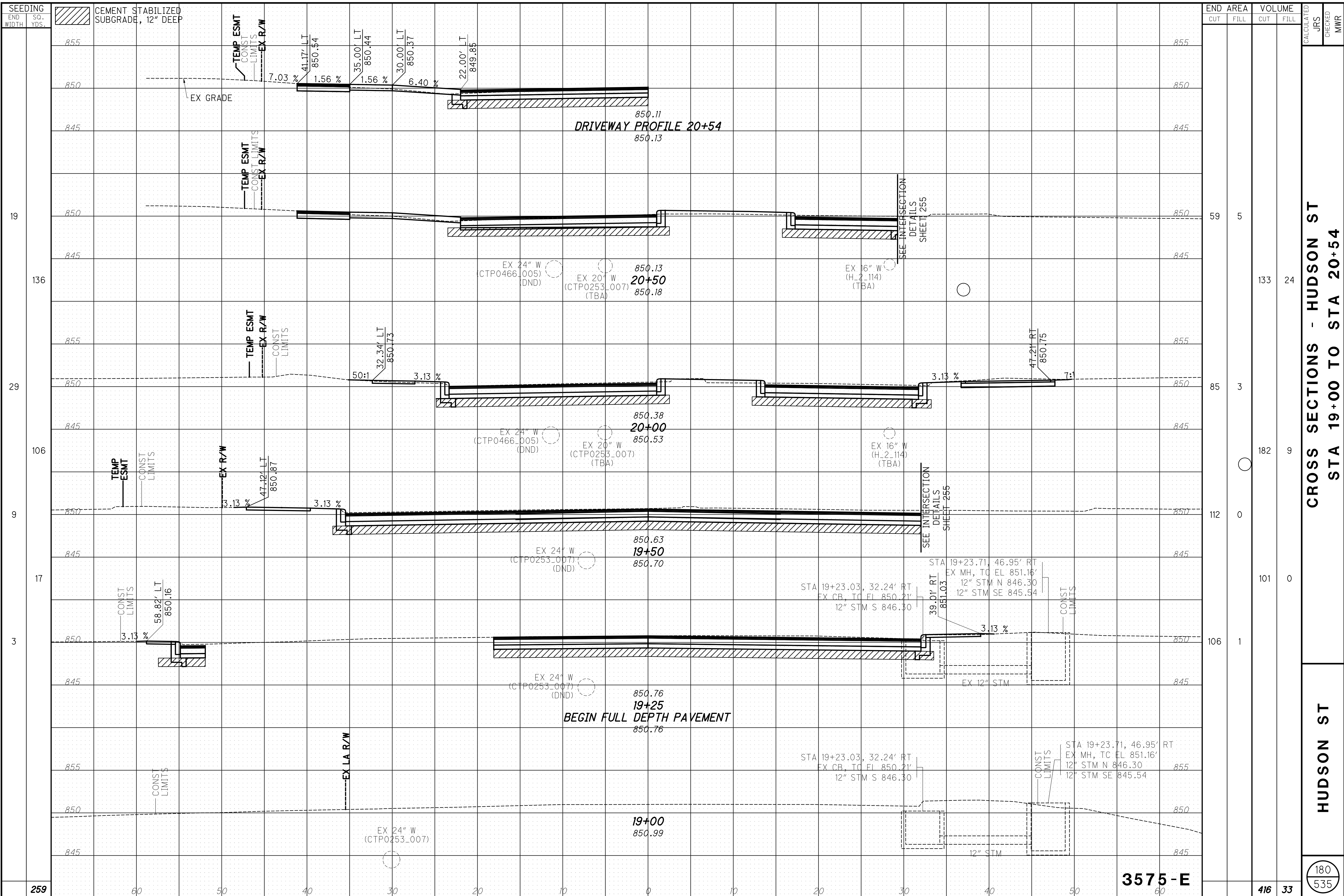
CALCULATED  
 JRS  
 CHECKED  
 MWR

**SIDE STREET PROFILES**

**HUDSON ST**

179  
 535

**3575-E**



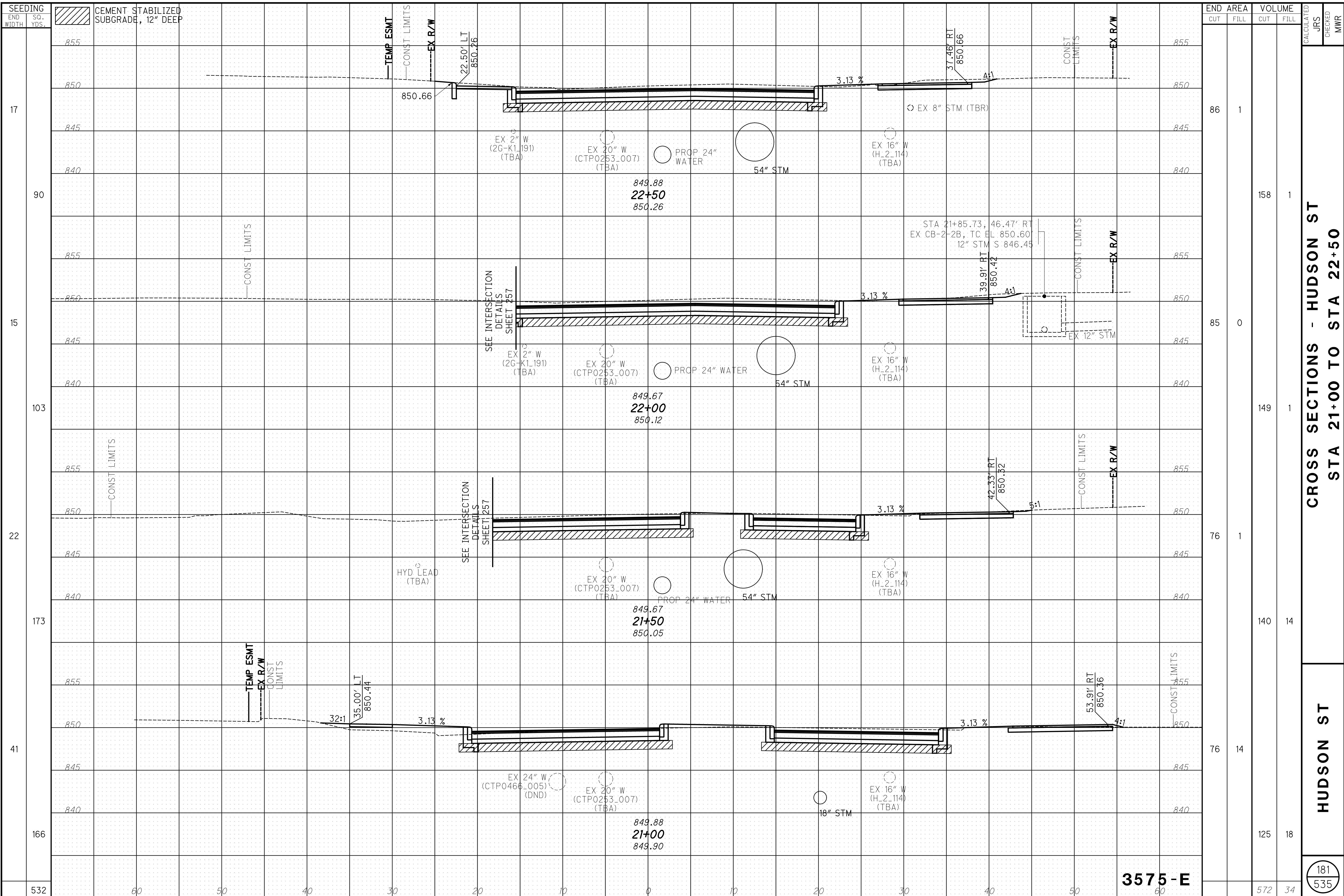
END STA	END AREA		VOLUME		CALCULATED	CHECKED	MWR
	CUT	FILL	CUT	FILL			
19+00							
19+50							
20+00							
20+54							
<b>259</b>			<b>416</b>	<b>33</b>			

**CROSS SECTIONS - HUDSON ST**  
**STA 19+00 TO STA 20+54**

**HUDSON ST**

180  
 535

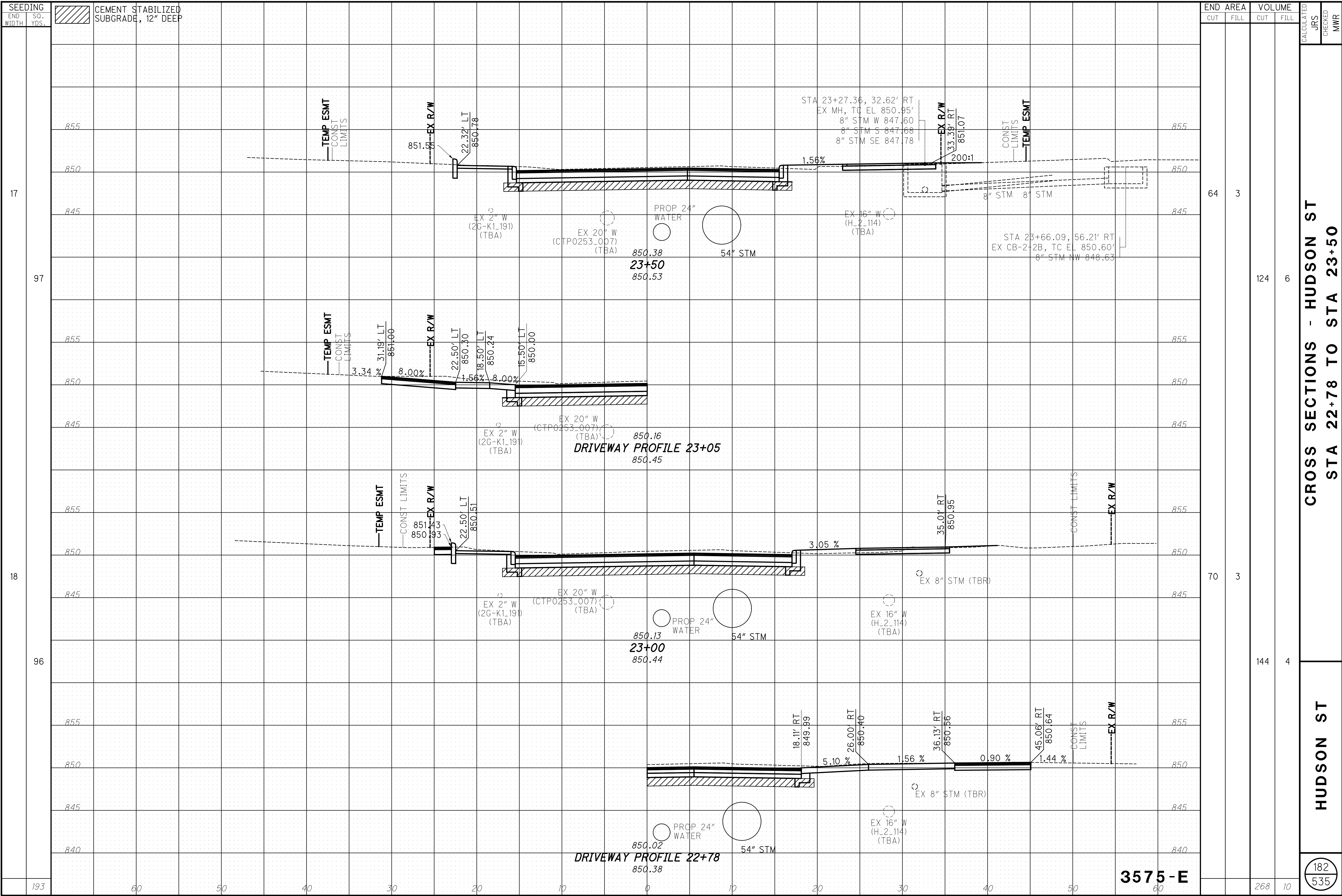
**3575-E**



SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
17		1		
90		158		1
15		85	0	
103		149		1
22		76		1
173		140		14
41		76		14
166		125		18
532		572		34

CALCULATED	CHECKED	MWR
HUDSON ST		
CROSS SECTIONS - HUDSON ST		
STA 21+00 TO STA 22+50		

3575-E



SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
17		64		3
97		124		6
18		70		3
96		144		4
193	60	268	10	10

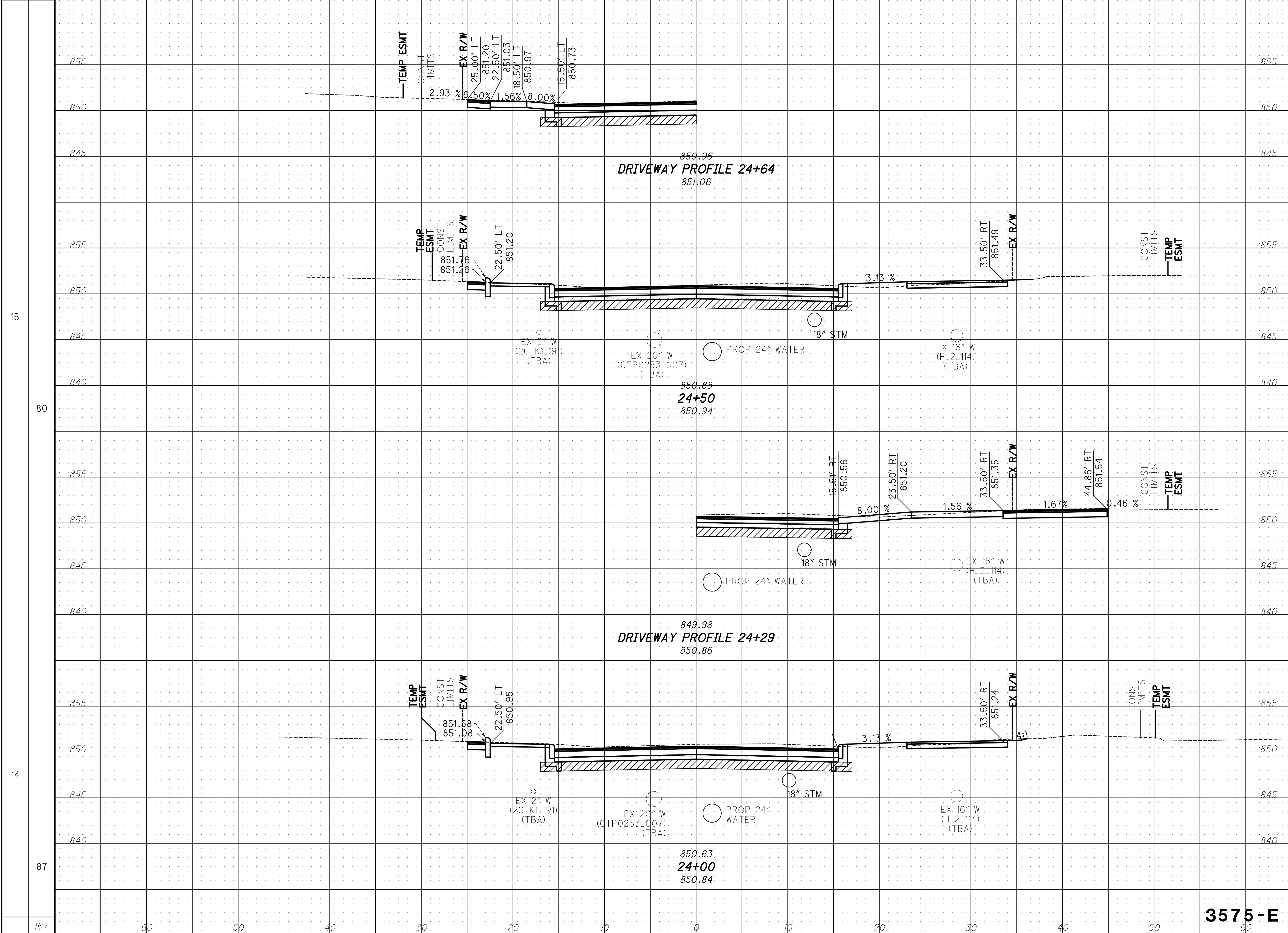
CALCULATED	CHECKED	MWR
<b>CROSS SECTIONS - HUDSON ST</b> <b>STA 22+78 TO STA 23+50</b>		
<b>HUDSON ST</b>		
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">182</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">535</span>		

**3575-E**

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



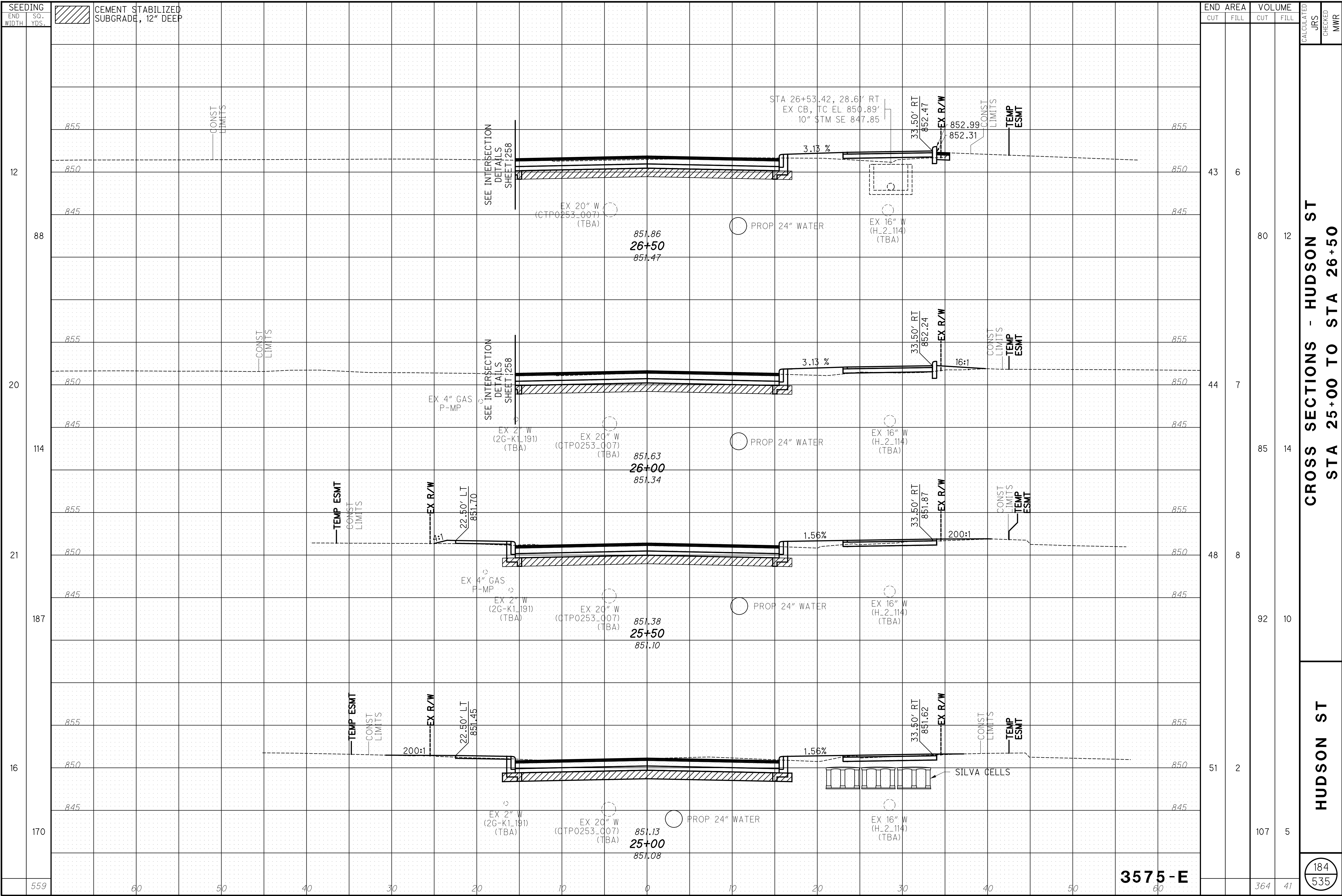
END AREA	VOLUME	CALCULATED	CHECKED
CUT	FILL	JRS	MWR
65	3		
123	5		
69	3		
123	5		
246	10		

CROSS SECTIONS - HUDSON ST  
STA 24+00 TO STA 24+64

HUDSON ST

183  
535

3575-E



SEEDING	END WIDTH	SQ. YDS.	CONST. LIMITS		TEMP. ESMT		STATION	ELEVATION	ELEVATION	ELEVATION	END AREA		VOLUME		CALCULATED	CHECKED	MWR
			CUT	FILL	CUT	FILL					CUT	FILL					
							26+50	851.47	851.86	851.86	43	6					
							26+00	851.34	851.63	851.63	44	7					
							25+50	851.70	851.38	851.38	48	8					
							25+00	851.08	851.13	851.13	51	2					
	559		60	50	40	30								364	41		

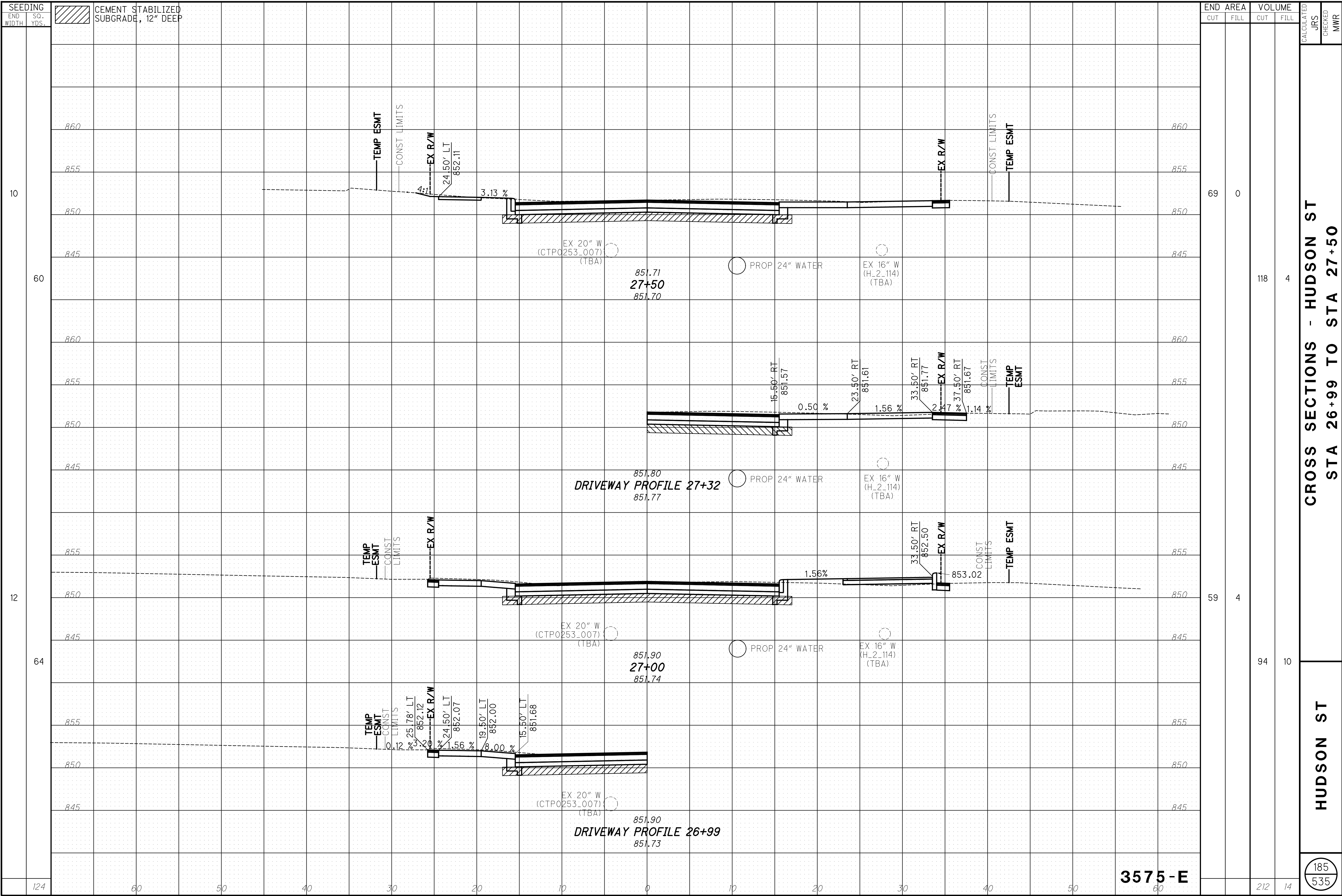
CROSS SECTIONS - HUDSON ST  
 STA 25+00 TO STA 26+50

HUDSON ST

184  
 535

3575-E





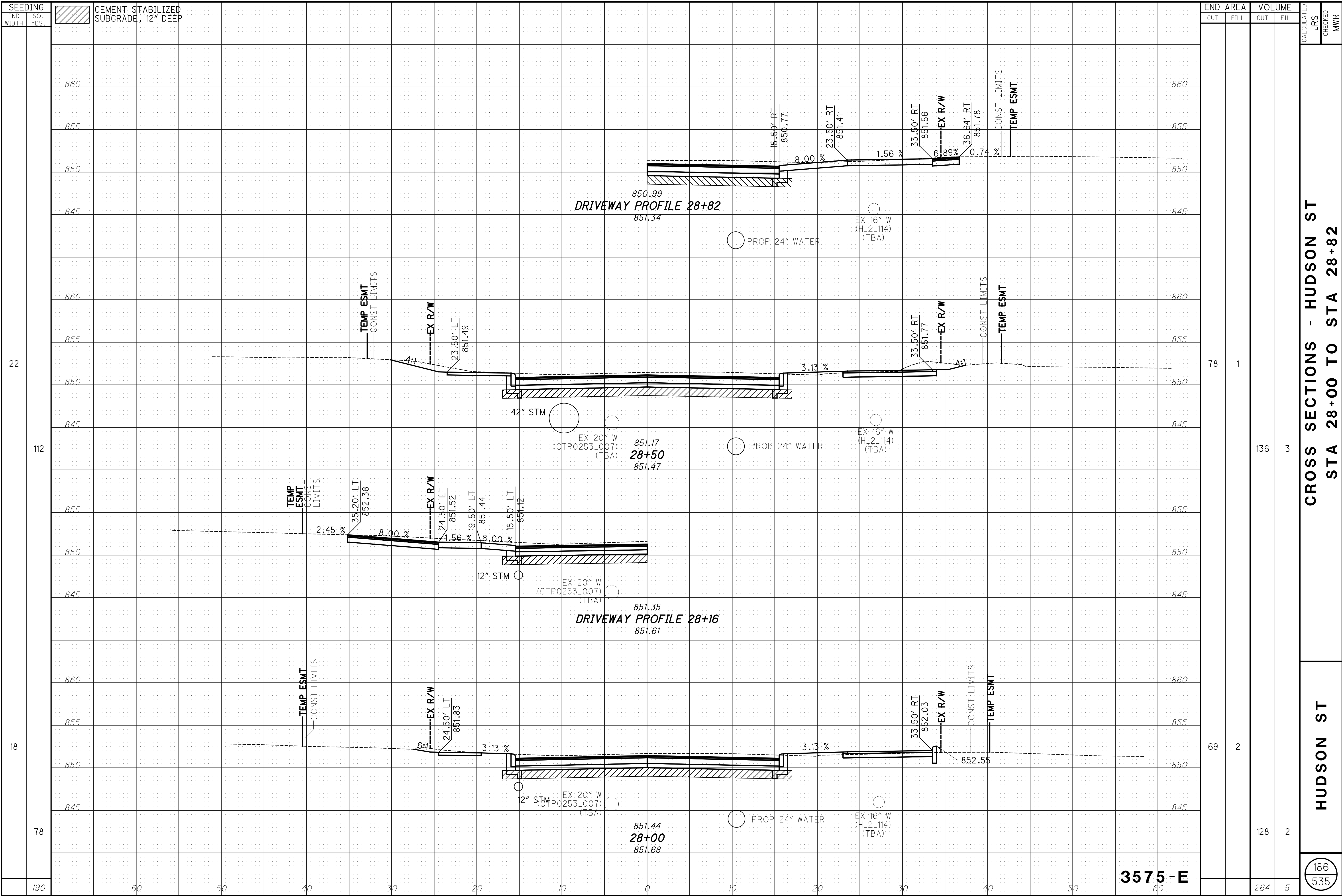
3575-E

END STA	END AREA		VOLUME		CALCULATED	CHECKED	MWR
	CUT	FILL	CUT	FILL			
124							
60							
64							
122							
60							
69							
118							
94							
10							
212							
14							

CROSS SECTIONS - HUDSON ST  
STA 26+99 TO STA 27+50

HUDSON ST

185  
535



22

112

18

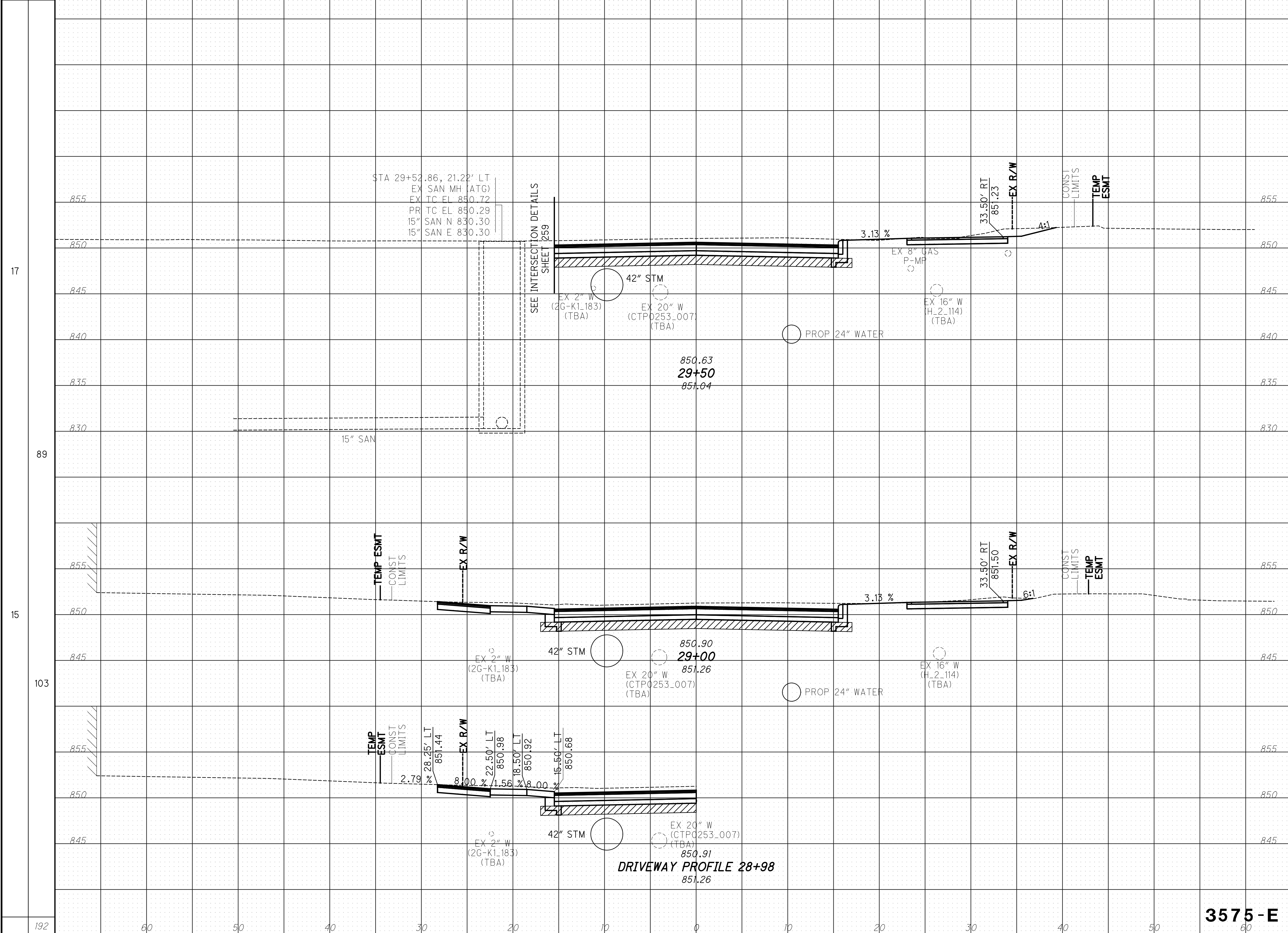
78

END STA	AREA CUT	AREA FILL	VOLUME		CALCULATED	CHECKED	MWR
			CUT	FILL			
860							
855							
850							
845							
860			78	1			
855							
850							
845							
855							
850							
845							
855							
850							
845							
860							
855							
850							
845							
860			69	2			
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SEEDING  
END WIDTH SO. YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



STA 29+52.86, 21.22' LT  
EX SAN MH (ATG)  
EX TC EL 850.72  
PR TC EL 850.29  
15" SAN N 830.30  
15" SAN E 830.30

SEE INTERSECTION DETAILS  
SHEET 259

42" STM  
EX 2" W (2G-K1-183) (TBA)  
EX 20" W (CTP0253\_007) (TBA)

PROP 24" WATER

3.13%

EX 16" W (H-2-114) (TBA)

33.50' RT 851.23  
EX R/W

CONST LIMITS  
TEMP ESMT

850.63  
29+50  
851.04

15" SAN

TEMP ESMT  
CONST LIMITS

EX R/W

42" STM

EX 2" W (2G-K1-183) (TBA)  
EX 20" W (CTP0253\_007) (TBA)

PROP 24" WATER

3.13%

6:1

33.50' RT 851.50  
EX R/W

CONST LIMITS  
TEMP ESMT

850.90  
29+00  
851.26

TEMP ESMT  
CONST LIMITS

28.25' LT 851.44

EX R/W

22.50' LT 850.98

18.50' LT 850.92

15.50' LT 850.68

42" STM

EX 2" W (2G-K1-183) (TBA)  
EX 20" W (CTP0253\_007) (TBA)

DRIVEWAY PROFILE 28+98  
850.91  
851.26

2.79%

8.10%

1.56%

8.00%

3575-E

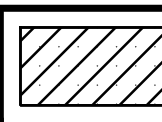
CROSS SECTIONS - HUDSON ST  
STA 28+98 TO STA 29+50

HUDSON ST

187  
535

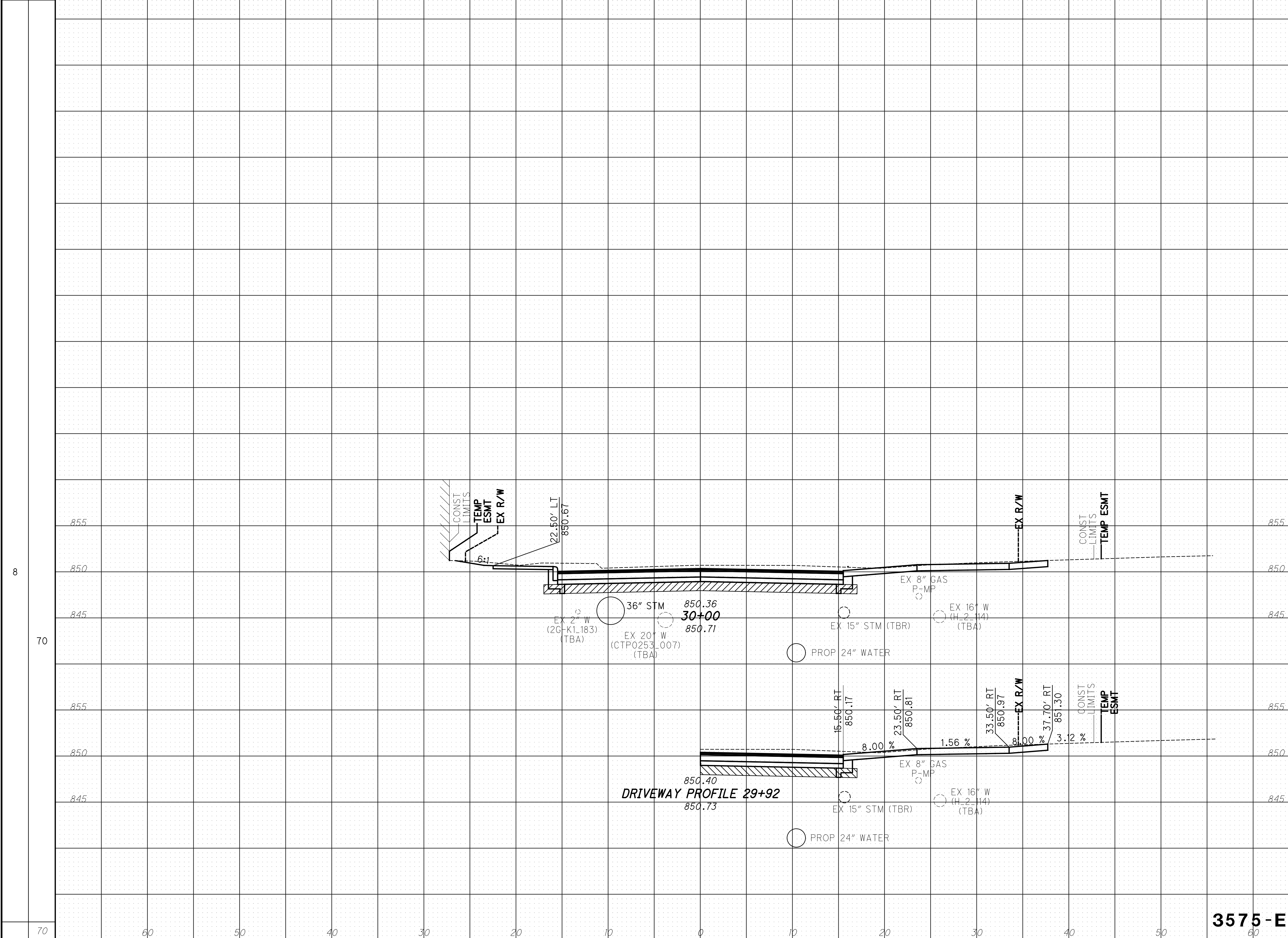
STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
76		0		
89		150	0	
15		86	0	
103		152	1	
192		302	1	

SEEDING  
END SO.  
WIDTH YDS.



CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



CROSS SECTIONS - HUDSON ST  
STA 29+92 TO STA 30+00

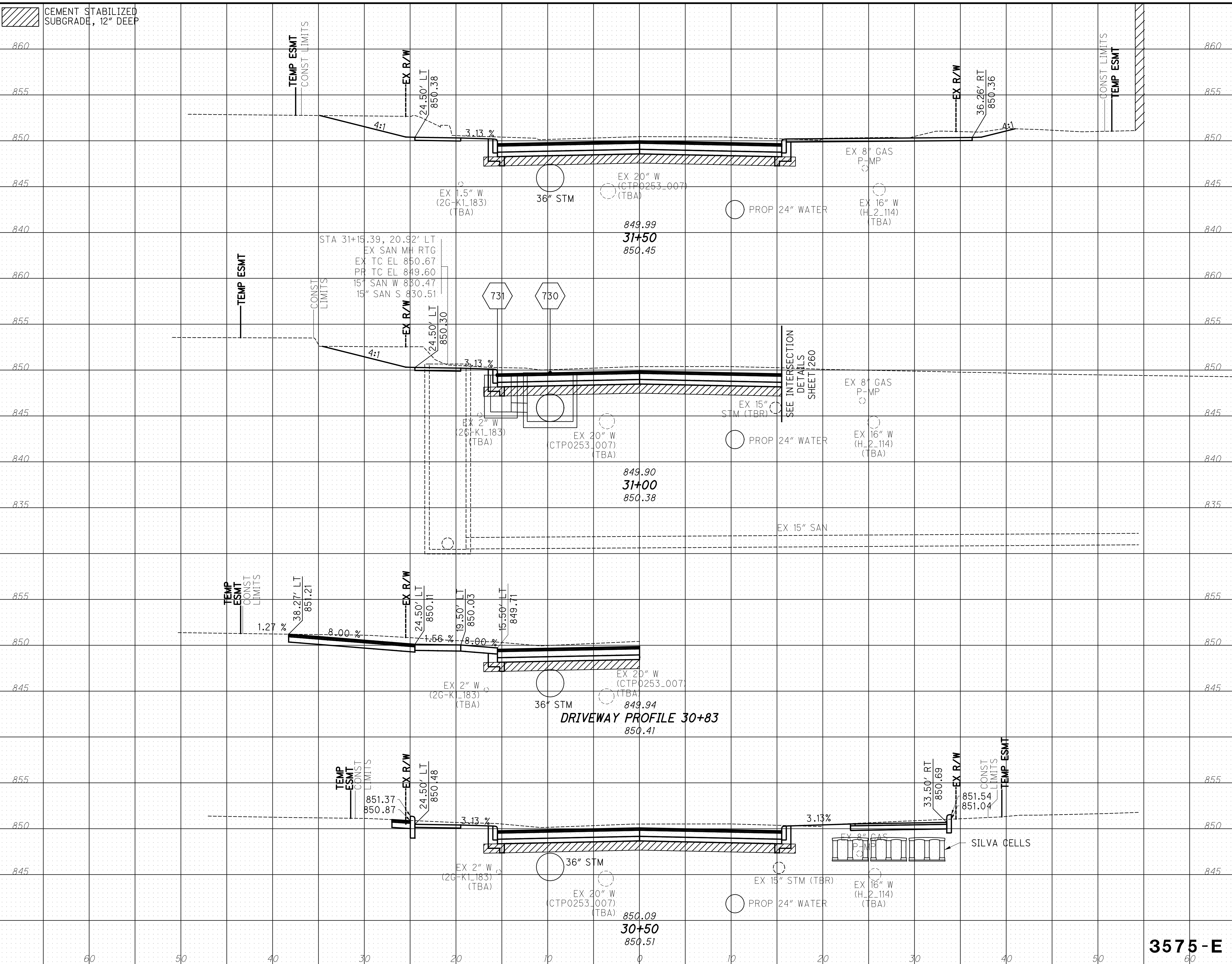
HUDSON ST

END AREA	VOLUME
CUT	FILL
82	0
147	0
147	0

3575-E

188  
535

SEEDING	END WIDTH		SO. YDS.
	END	WIDTH	
	23	113	18
	91	15	64
	268		

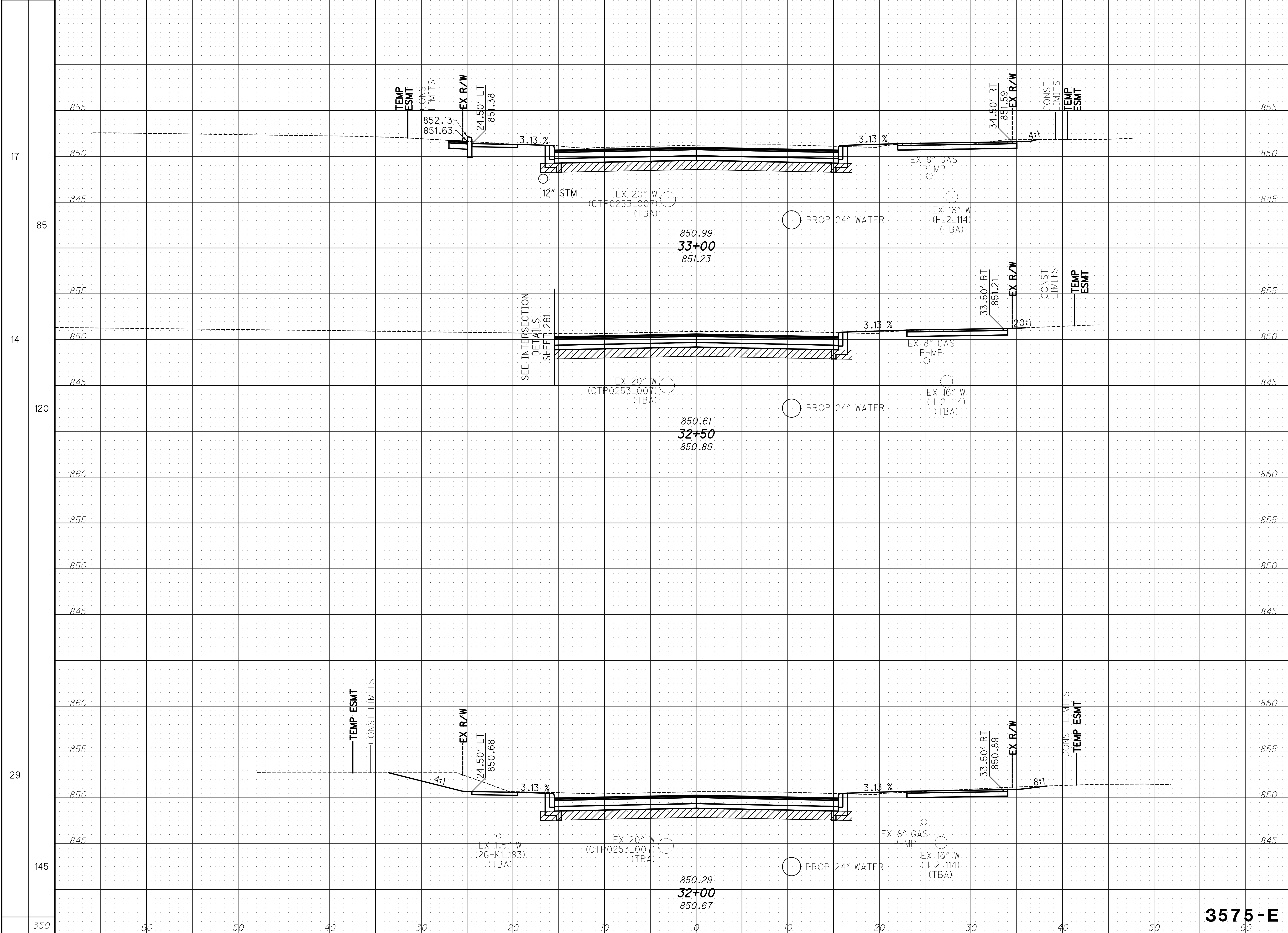


END	AREA		VOLUME	
	CUT	FILL	CUT	FILL
860	99	0		
855				
850				
845				
840				
860			168	0
855				
850				
845				
840				
835				
855				
850			155	0
845				
840				
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SEEDING  
END SO.  
WIDTH YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



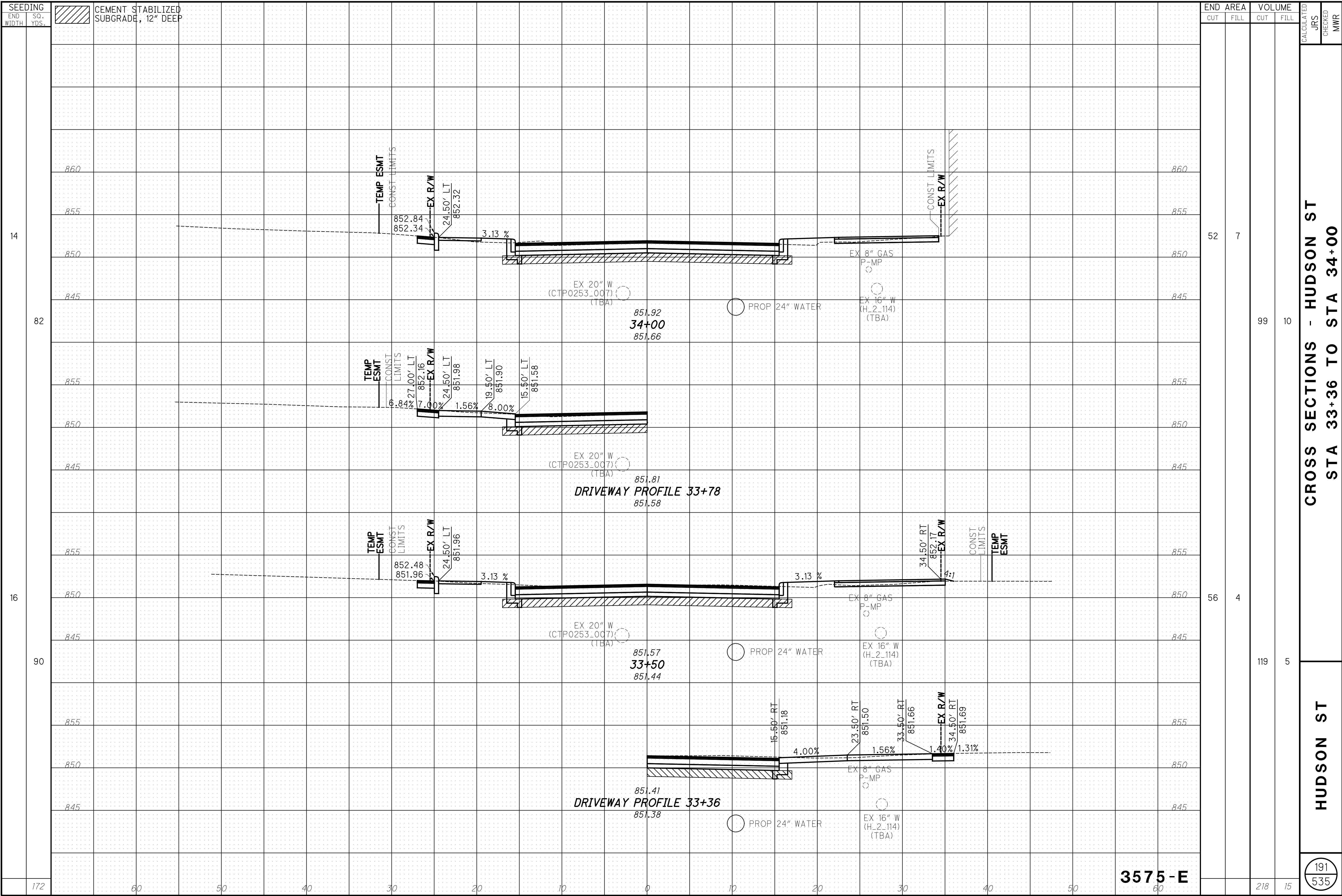
END AREA	VOLUME	CALCULATED
CUT	FILL	JRS
CUT	FILL	CHECKED
		MWR
73	1	
66	0	
87	1	
443	3	

CROSS SECTIONS - HUDSON ST  
STA 32+00 TO STA 33+00

HUDSON ST

190  
535

3575-E



3575-E

END AREA		VOLUME		CALCULATED JRS	CHECKED MWR
CUT	FILL	CUT	FILL		
52	7	99	10		
56	4	119	5		
		218	15		

CROSS SECTIONS - HUDSON ST  
STA 33+36 TO STA 34+00

HUDSON ST

191  
535

14

82

16

90

172

60

50

40

30

20

10

0

10

20

30

40

50

60

851.92  
34+00  
851.66

851.81  
DRIVEWAY PROFILE 33+78  
851.58

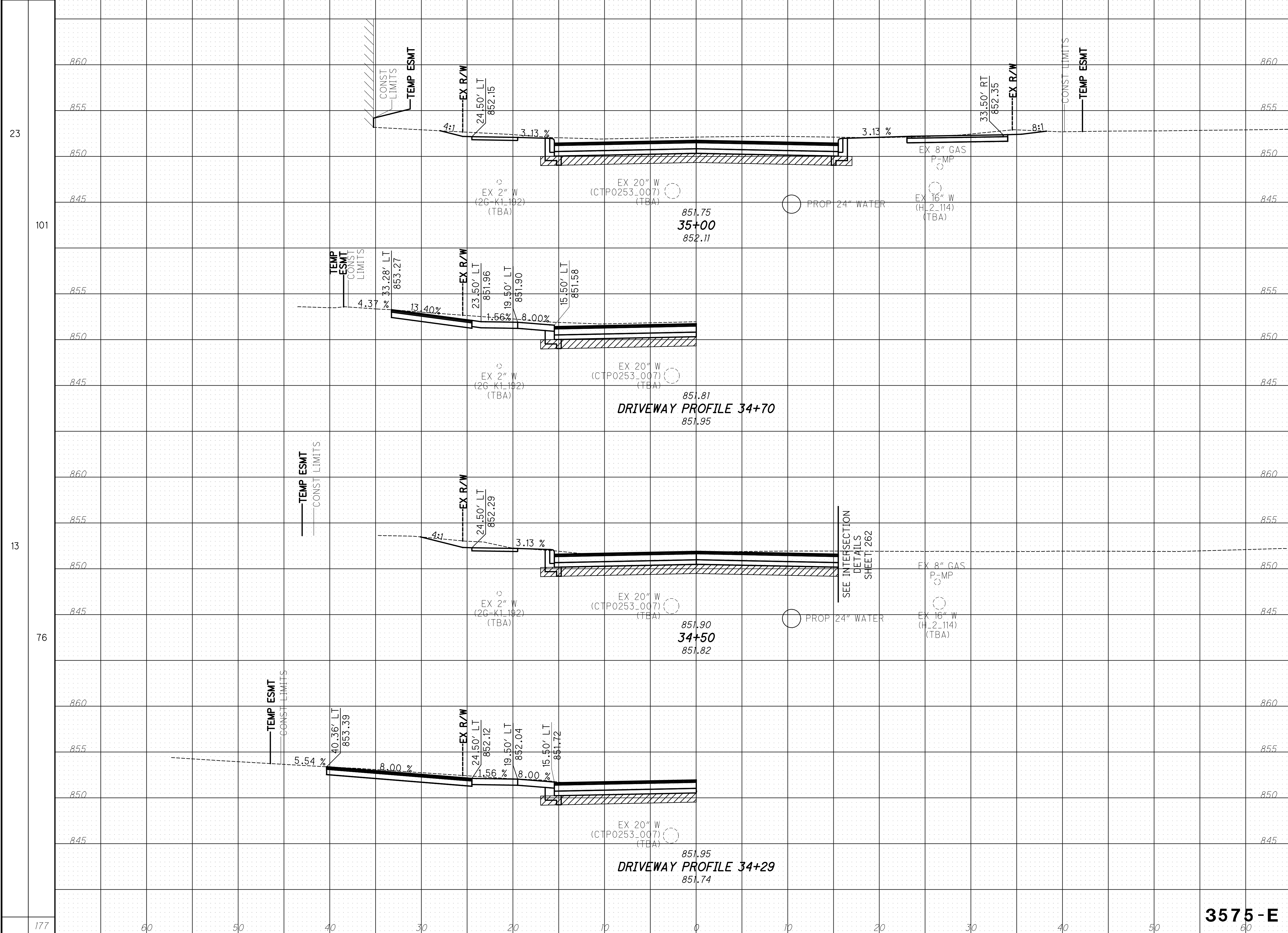
851.57  
33+50  
851.44

851.41  
DRIVEWAY PROFILE 33+36  
851.38

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED JRS CHECKED MWR



END AREA	VOLUME	CALCULATED JRS	CHECKED MWR
CUT	FILL		
79	0	123	0
54	0	97	6
60	0	220	6

CROSS SECTIONS - HUDSON ST  
STA 34+29 TO STA 35+00

HUDSON ST

192  
535

3575-E

23

101

13

76

177

60

50

40

30

20

10

0

10

20

30

40

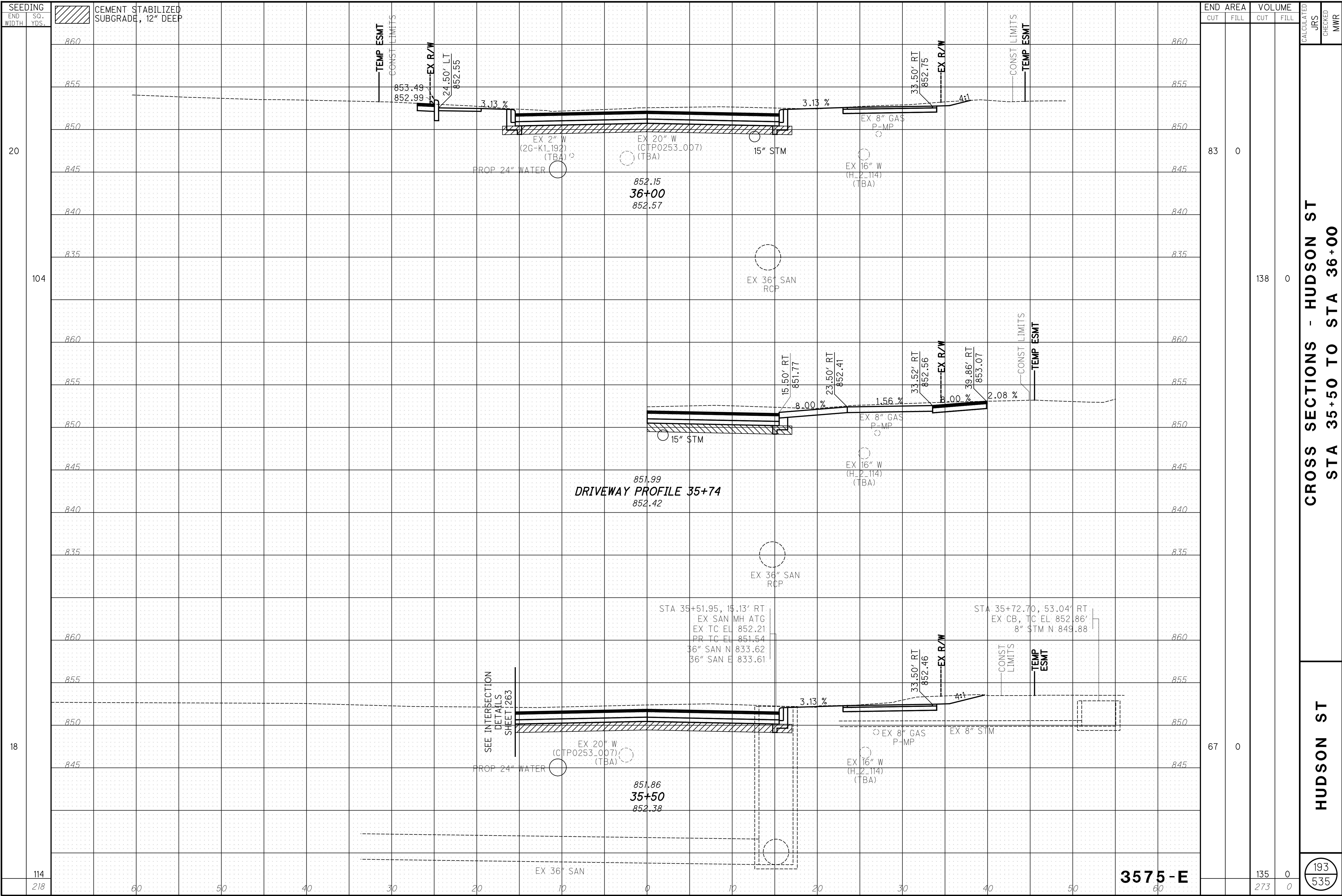
50

60

220

6

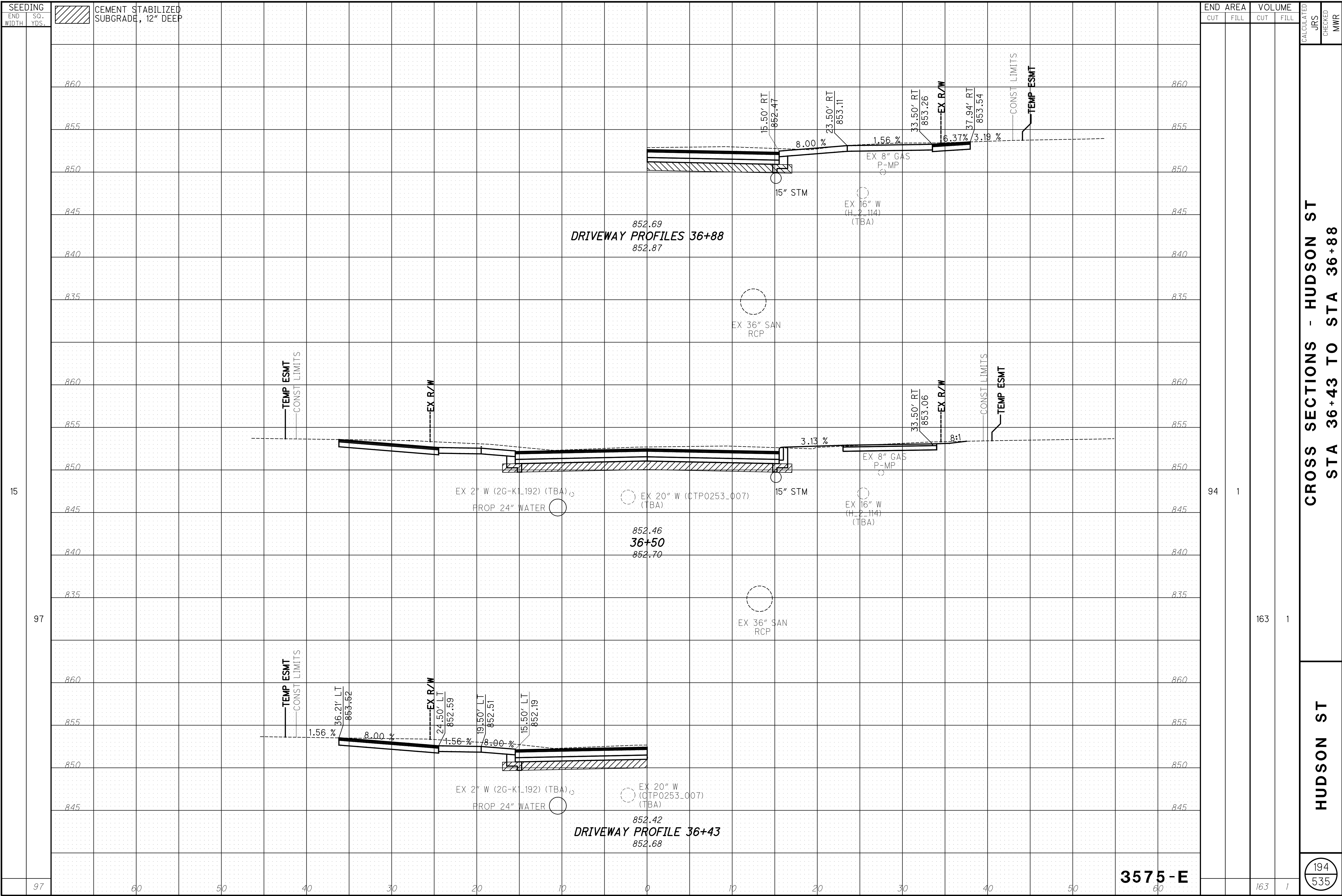




SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
20				
104				
18				
114				
218	83	0	138	0
60				
50				
40				
30				
20				
10				
0				
10				
20				
30				
40				
50				
60				
114				
218	67	0	135	0
60				
50				
40				
30				
20				
10				
0				
10				
20				
30				
40				
50				
60				

CALCULATED	CHECKED	MWR
HUDSON ST		
CROSS SECTIONS - HUDSON ST		
STA 35+50 TO STA 36+00		
193		
535		

3575-E



SEEDING	
END WIDTH	SO. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JRS	MWR

CROSS SECTIONS - HUDSON ST  
STA 36+43 TO STA 36+88

HUDSON ST

194  
535

3575-E

15

97

94

1

163

1

60

50

40

30

20

10

0

10

20

30

40

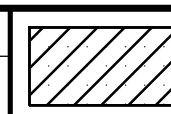
50

60

163

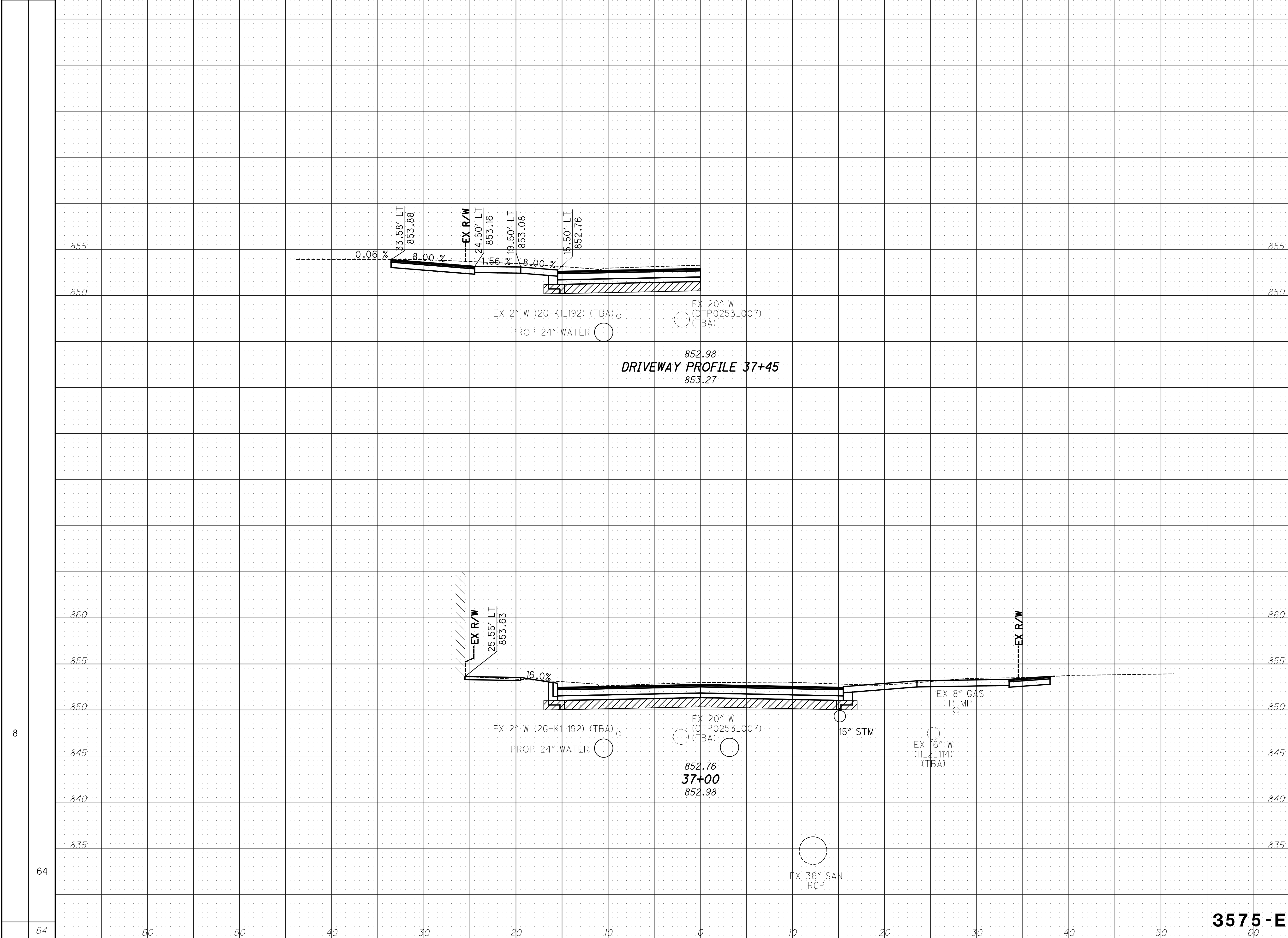
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SEEDING  
END SO.  
WIDTH YDS.



CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



END AREA		VOLUME	
CUT	FILL	CUT	FILL
76	1	157	1
76	1	157	1

CROSS SECTIONS - HUDSON ST  
STA 37+00 TO STA 37+45

HUDSON ST

195  
535

3575-E

8

64

64

60

50

40

30

20

10

0

10

20

30

40

50

60

157

1

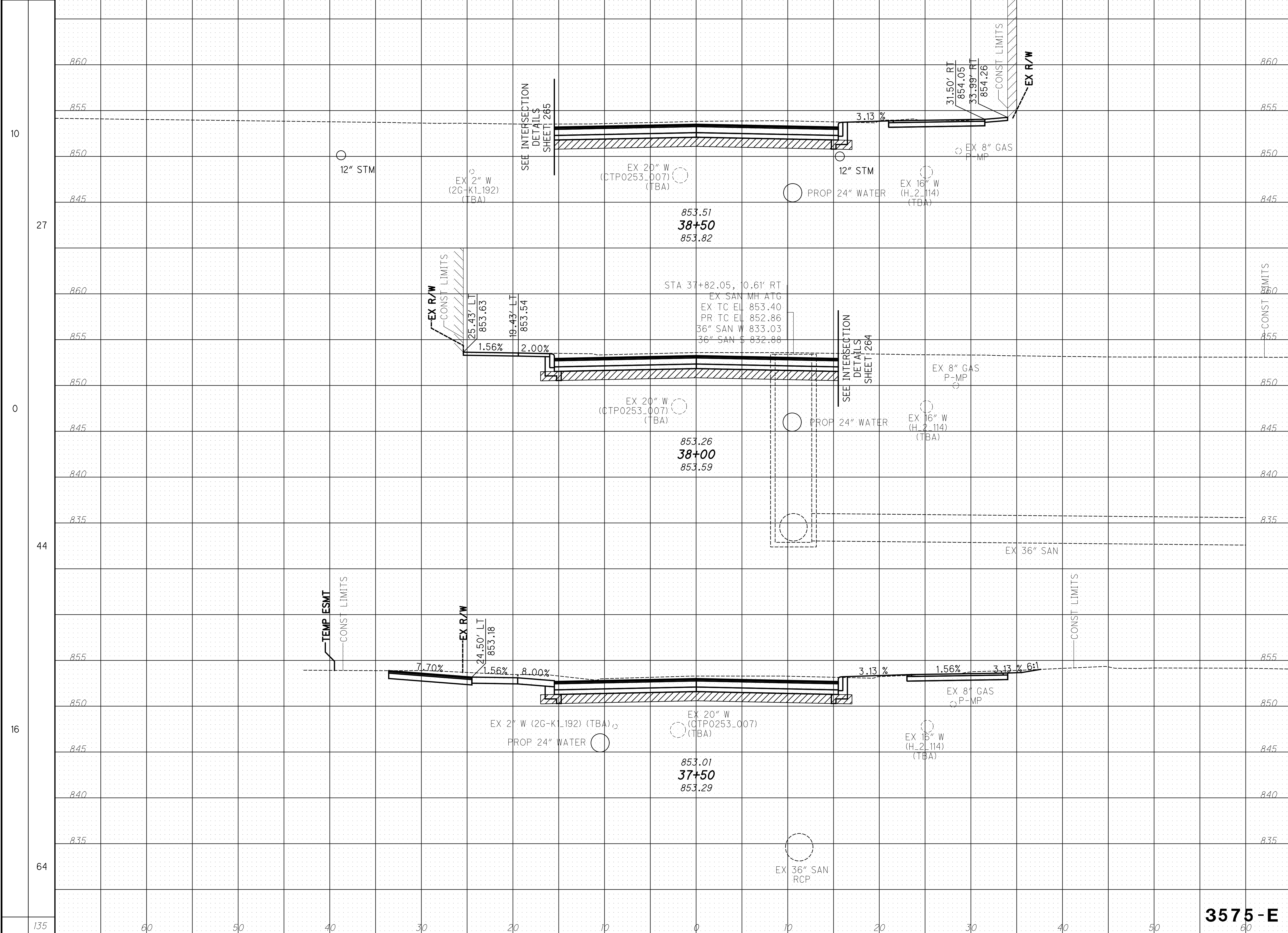
157

1

SEEDING  
END WIDTH SO. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
38+50	68	0	118	0
38+00	60	0	138	1
37+50	90	1	153	1
TOTAL	218	1	409	2

CROSS SECTIONS - HUDSON ST  
STA 37+50 TO STA 38+50

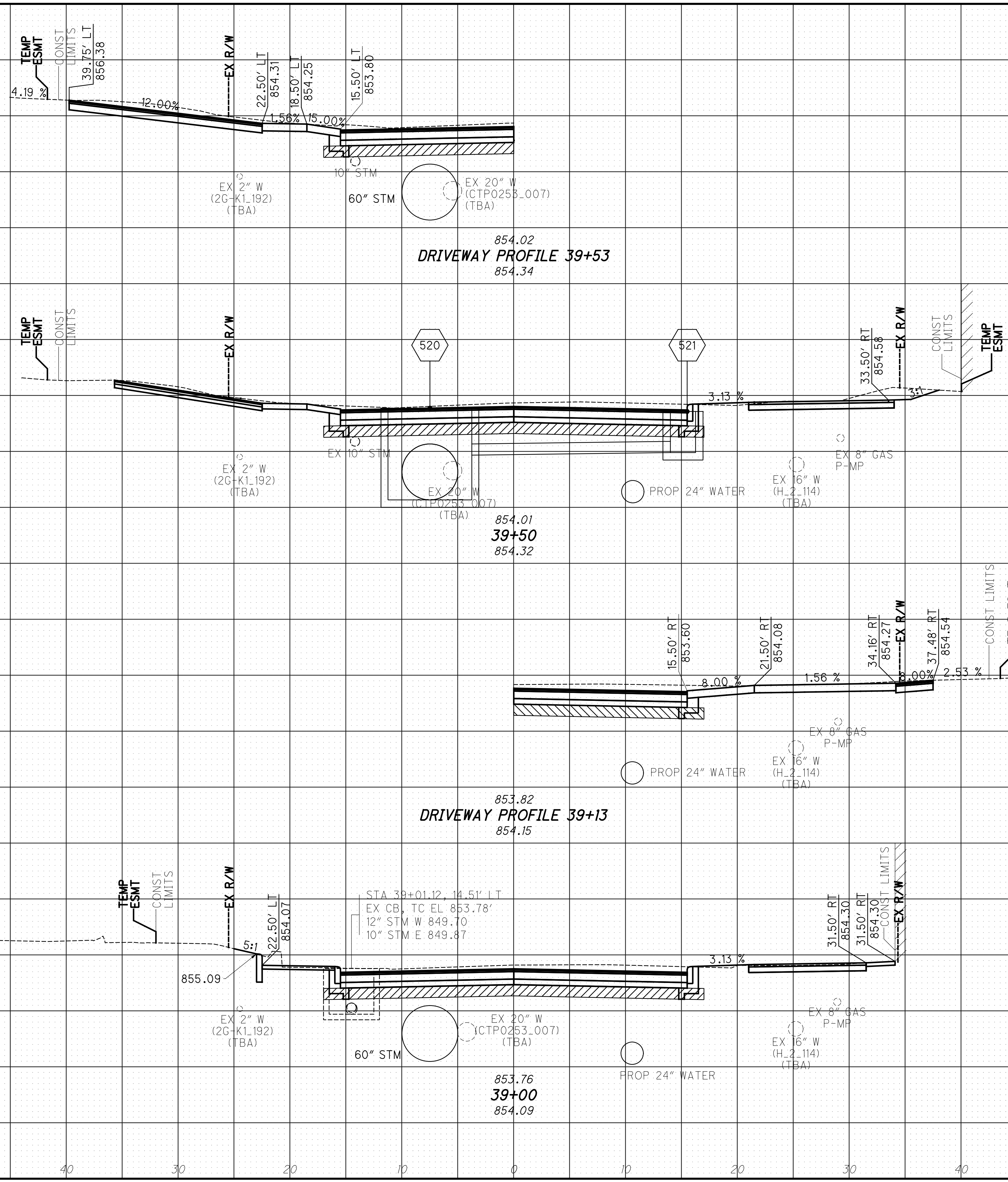
HUDSON ST

196  
535

3575-E

SEEDING	
END WIDTH	SO. YDS.
131	60
12	50
72	40
14	30
59	20
12	10
14	0
72	10
14	20
14	30
14	40
14	50
14	60

CEMENT STABILIZED SUBGRADE, 12" DEEP



DRIVEWAY PROFILE 39+53  
854.02  
854.34

39+50  
854.01  
854.32

DRIVEWAY PROFILE 39+13  
853.82  
854.15

39+00  
853.76  
854.09

3575-E

END AREA	VOLUME				
		CUT	FILL	CUT	FILL
		91	1	155	1
		77	0	134	1
				289	2

CALCULATED	
JRS	MWR

CROSS SECTIONS - HUDSON ST  
STA 39+00 TO STA 39+53

HUDSON ST

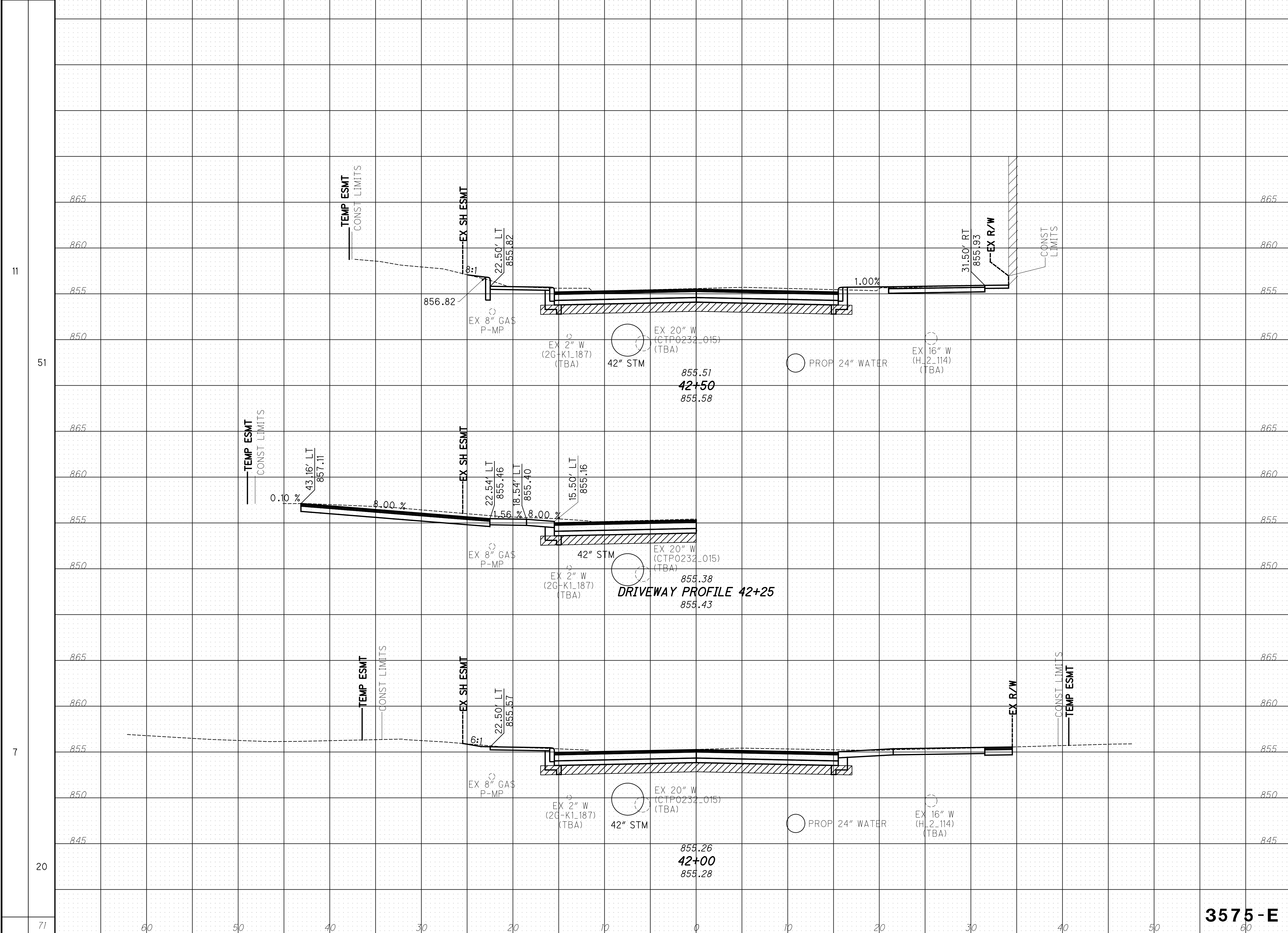




SEEDING  
END SO.  
WIDTH YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



END AREA	VOLUME	CALCULATED
CUT	FILL	JRS
CUT	FILL	CHECKED
		MWR
68	1	
124	1	
66	0	
108	0	
232	1	

CROSS SECTIONS - HUDSON ST  
STA 42+00 TO STA 42+50

HUDSON ST

200  
535

3575-E

11

51

7

20

71

60

50

40

30

20

10

0

10

20

30

40

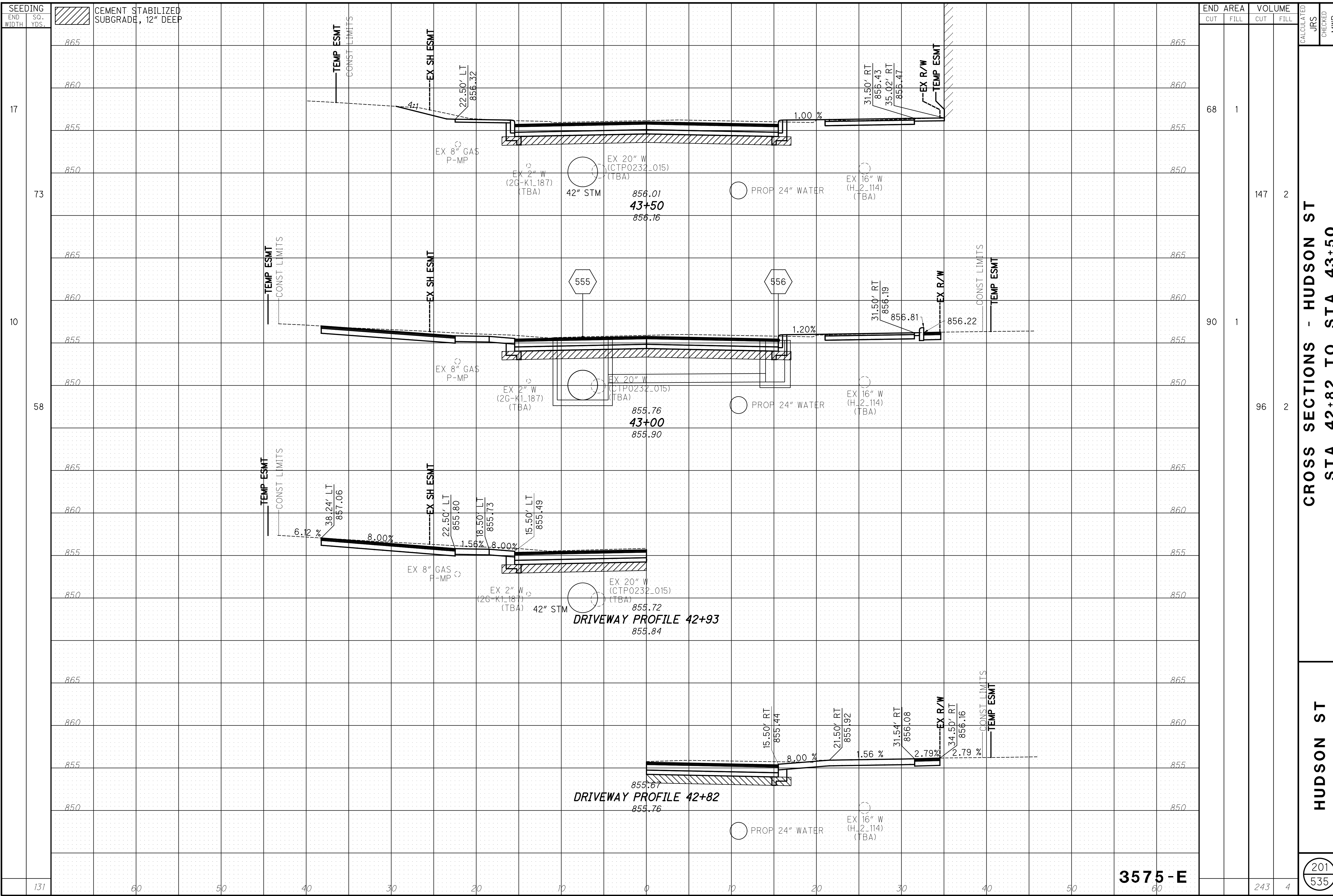
50

60

232

1





3575-E

END AREA		VOLUME		CALCULATED JRS	CHECKED MWR
CUT	FILL	CUT	FILL		
68	1				
90	1				
96	2				
243	4				

CROSS SECTIONS - HUDSON ST  
STA 42+82 TO STA 43+50

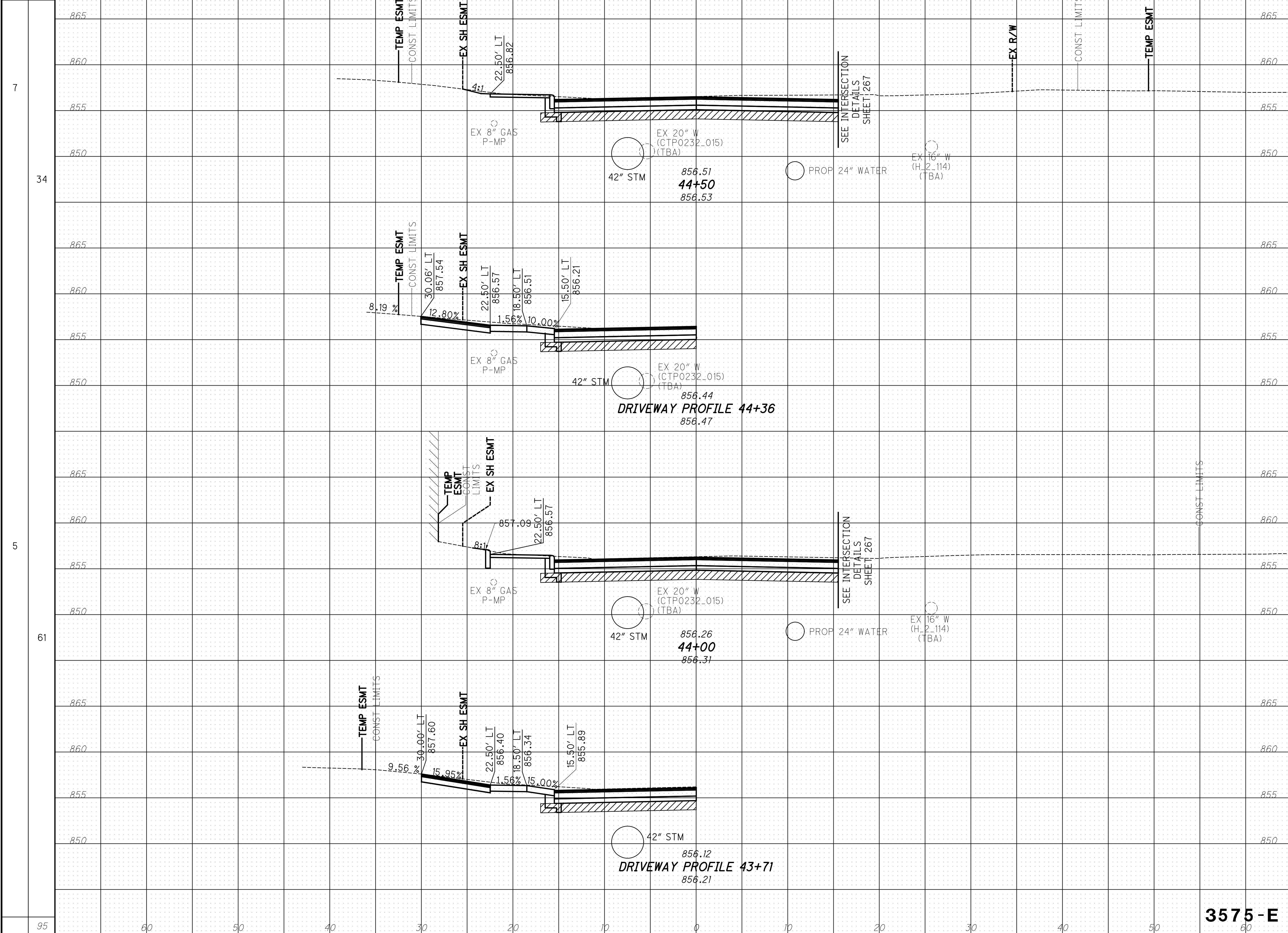
HUDSON ST

201  
535

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



STATION	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
44+50	53	0	102	0
44+36	57	0	116	1
44+00	57	0	116	1
43+71	57	0	116	1
TOTAL	217	0	450	2

CROSS SECTIONS - HUDSON ST  
STA 43+71 TO STA 44+50

HUDSON ST

202  
535

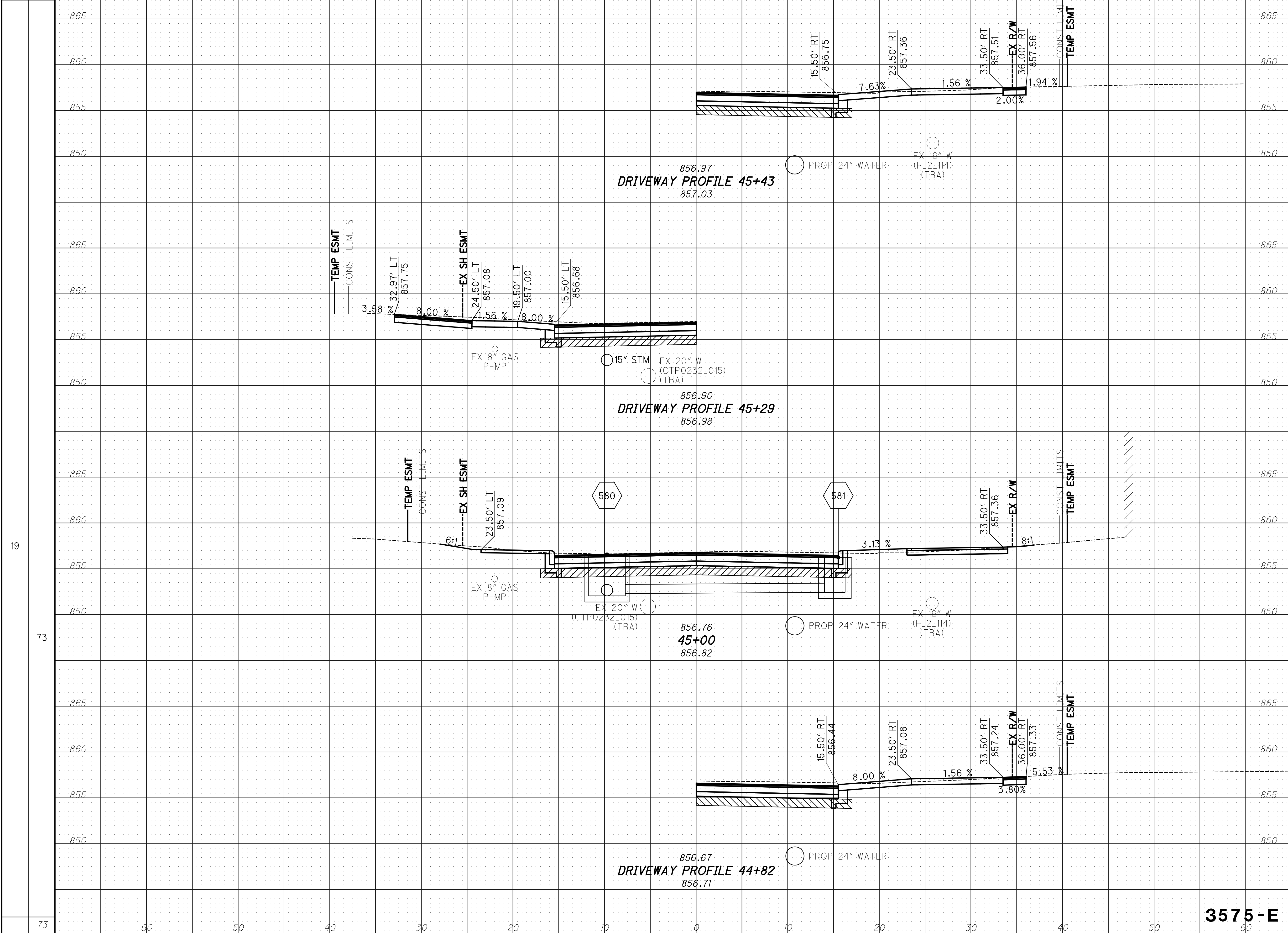
3575-E

95 60 50 40 30 20 10 0 10 20 30 40 50 60

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



19

73

61

3

106

3

3575-E

CROSS SECTIONS - HUDSON ST  
STA 44+82 TO STA 45+43

HUDSON ST

203  
535

60

50

40

30

20

10

0

10

20

30

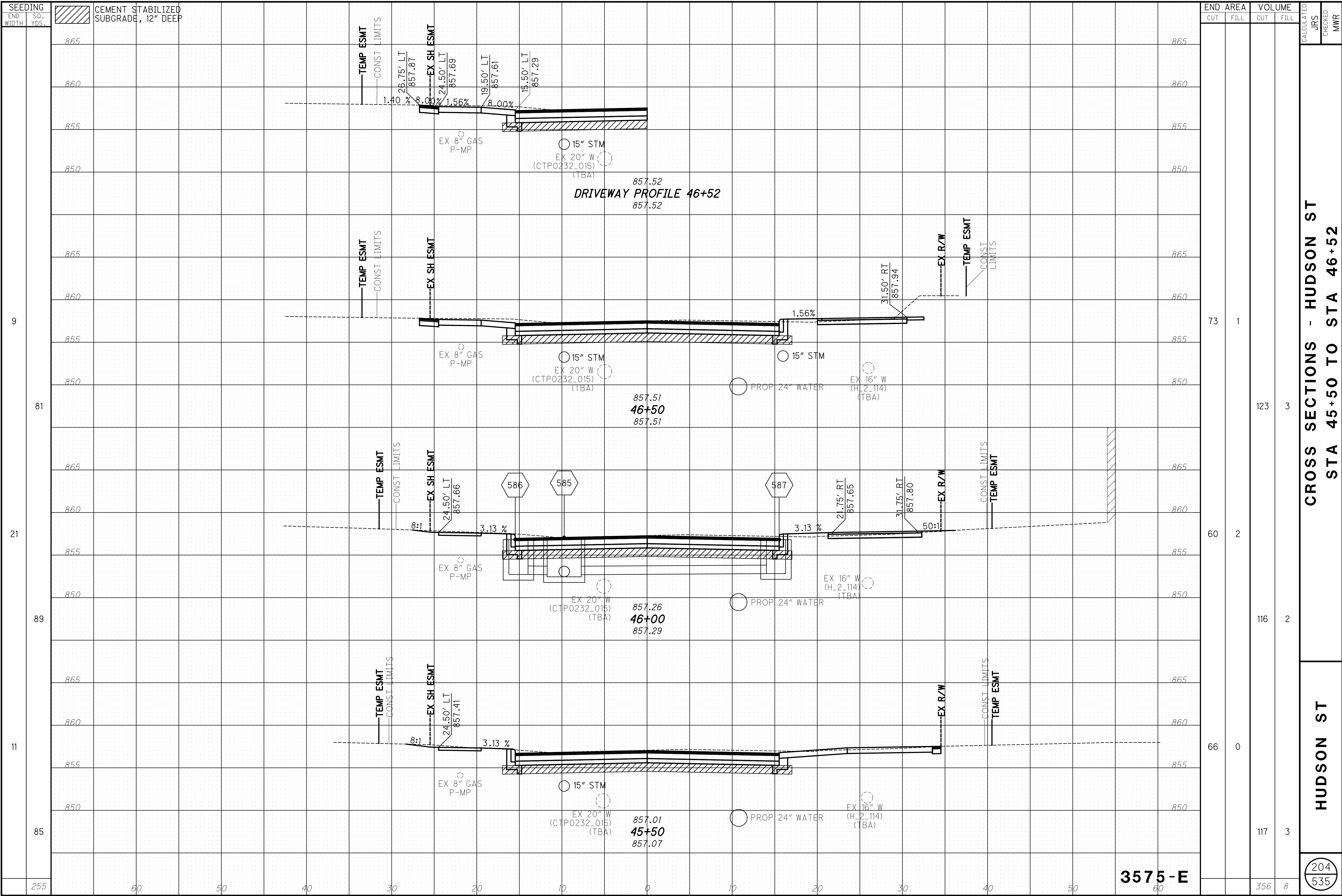
40

50

60

106

3



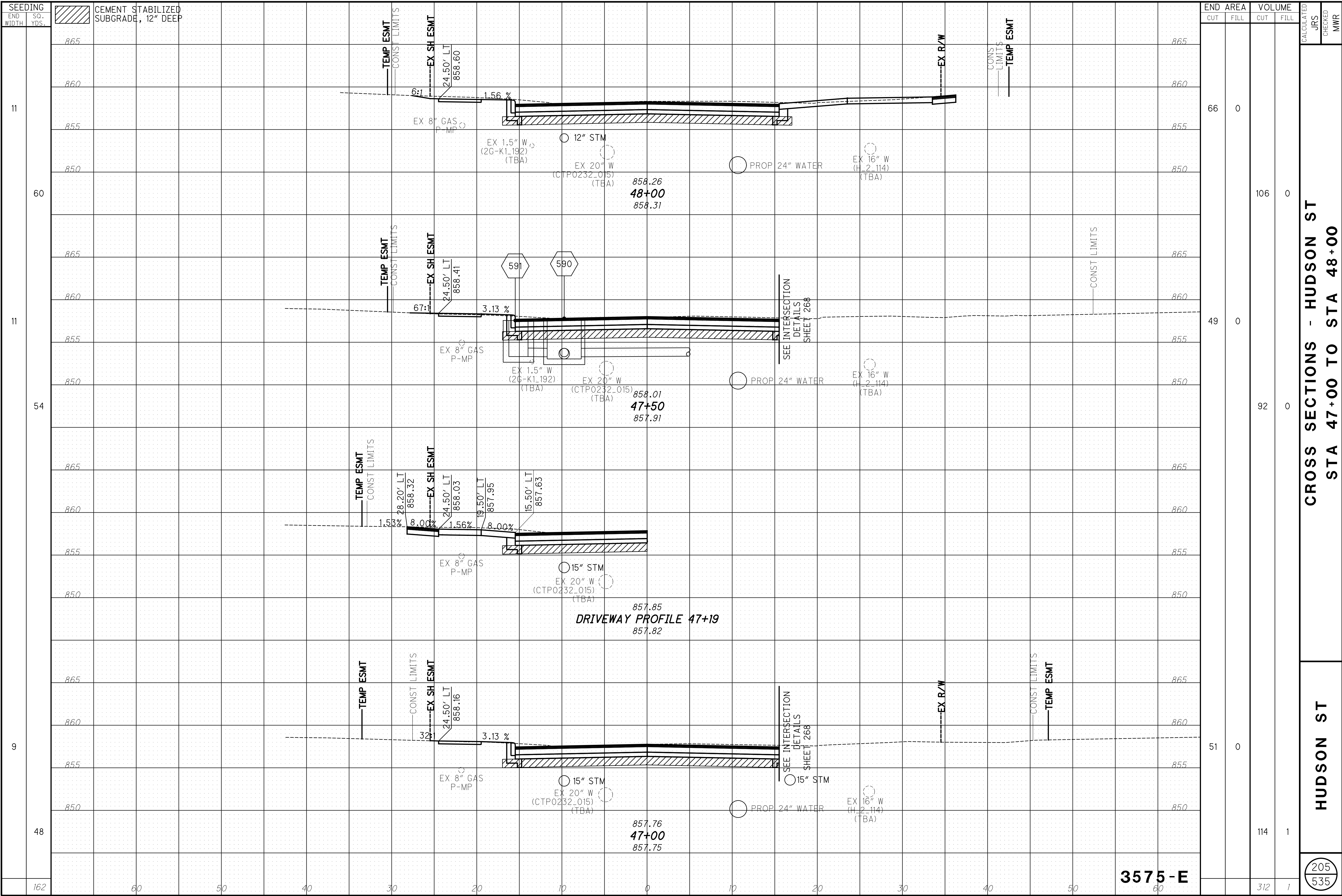
**CROSS SECTIONS - HUDSON ST  
 STA 45+50 TO STA 46+52**

**HUDSON ST**

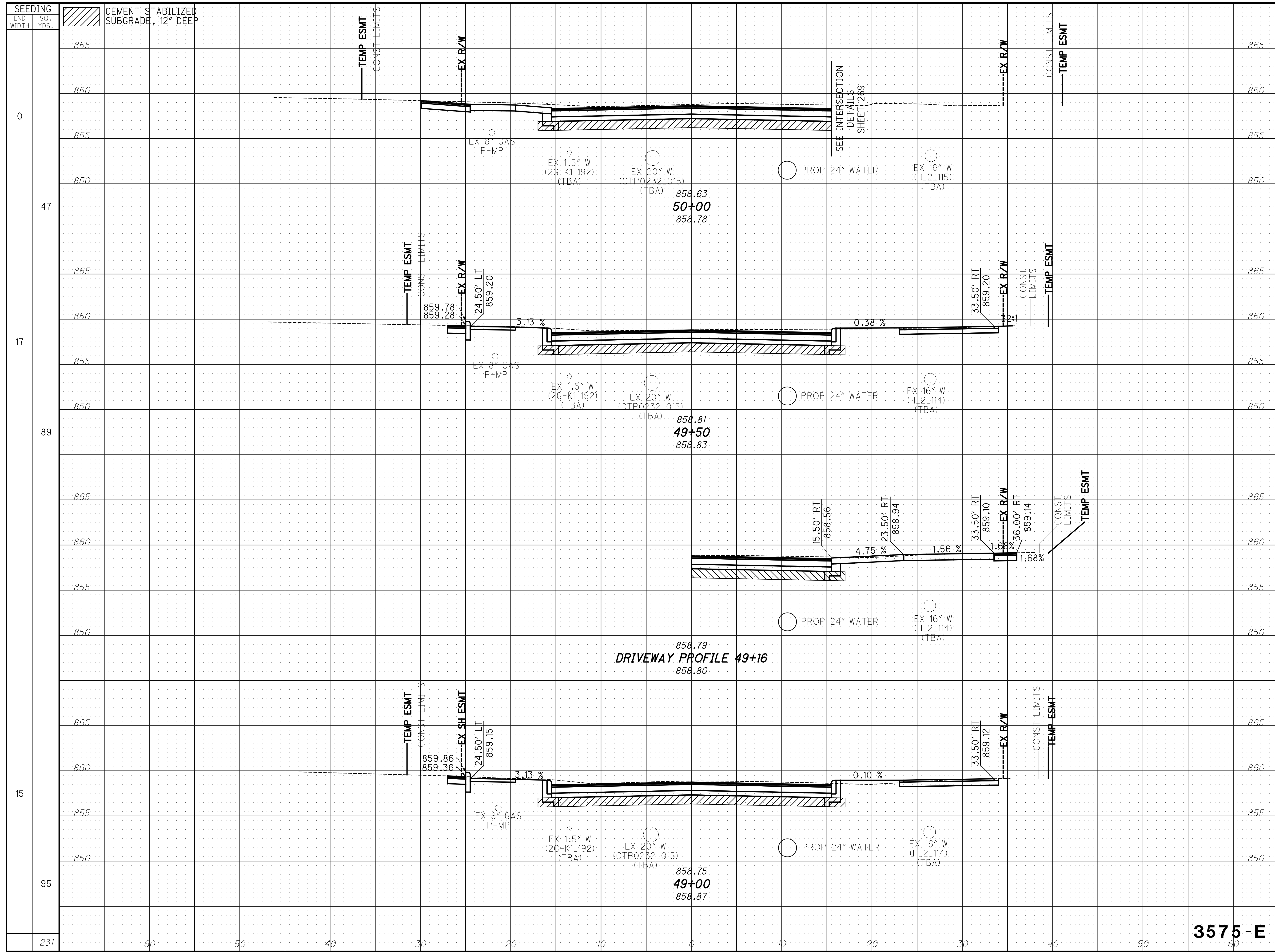
CALCULATED  
 JRS  
 CHECKED  
 MWR

**3575-E**

204  
 535







STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
49+00	67	0	124	1
49+50	67	1	124	3
50+00	67	3	119	4
TOTAL			367	8

**HUDSON ST**

**CROSS SECTIONS - HUDSON ST  
STA 49+00 TO STA 50+00**

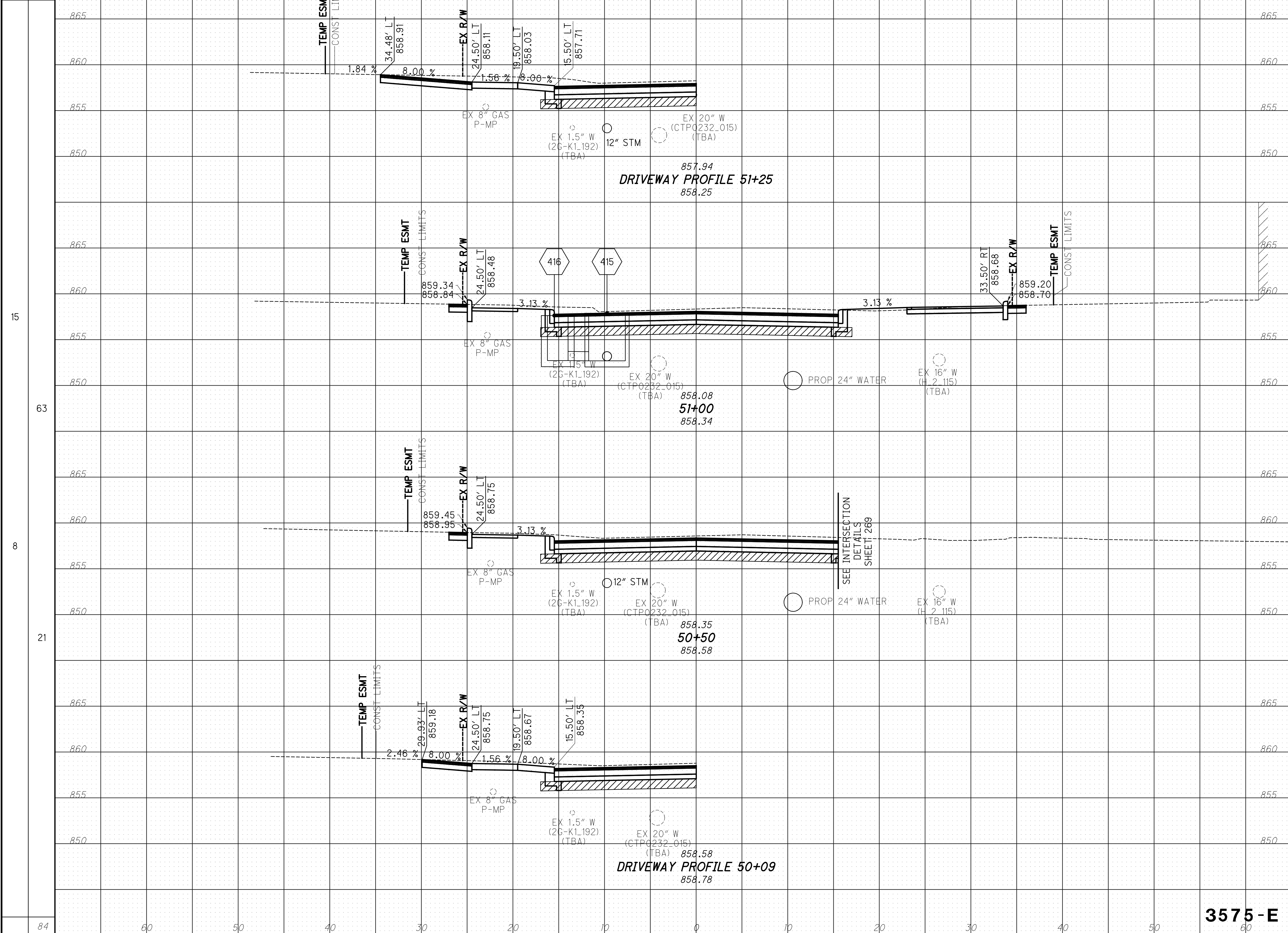
CALCULATED: JRS  
 CHECKED: MWR

**3575-E**

SEEDING  
END WIDTH SO. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
865				
860				
855				
850				
81		1		
865				
860				
855				
850				
134		1		
865				
860				
855				
850				
63		0		
865				
860				
855				
850				
121		0		
865				
860				
855				
850				
255		1		

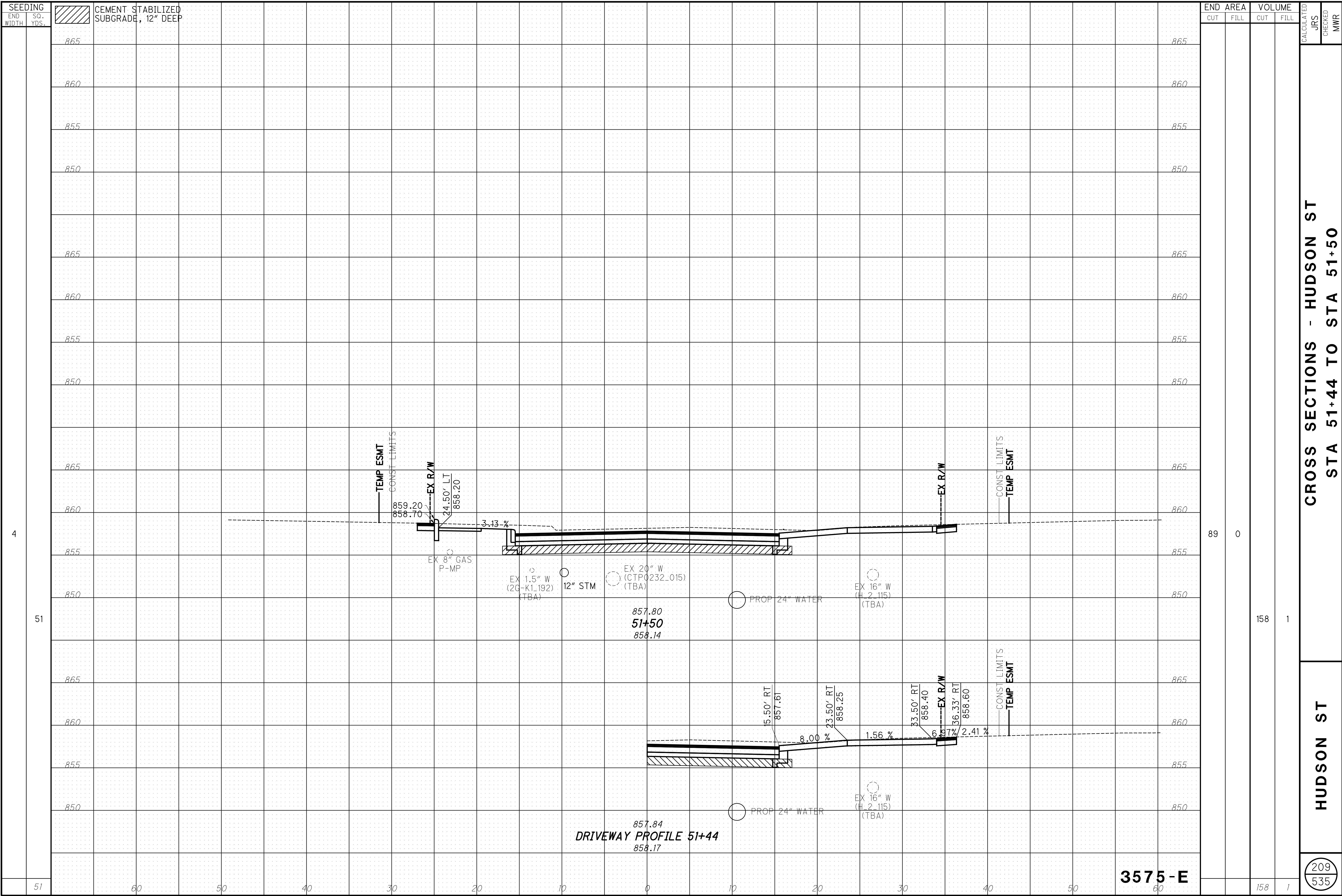
CROSS SECTIONS - HUDSON ST  
STA 50+09 TO STA 51+25

HUDSON ST

208  
535

3575-E





SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR

CROSS SECTIONS - HUDSON ST  
STA 51+44 TO STA 51+50

HUDSON ST

209  
535

3575-E

DRIVEWAY PROFILE 51+44  
858.17

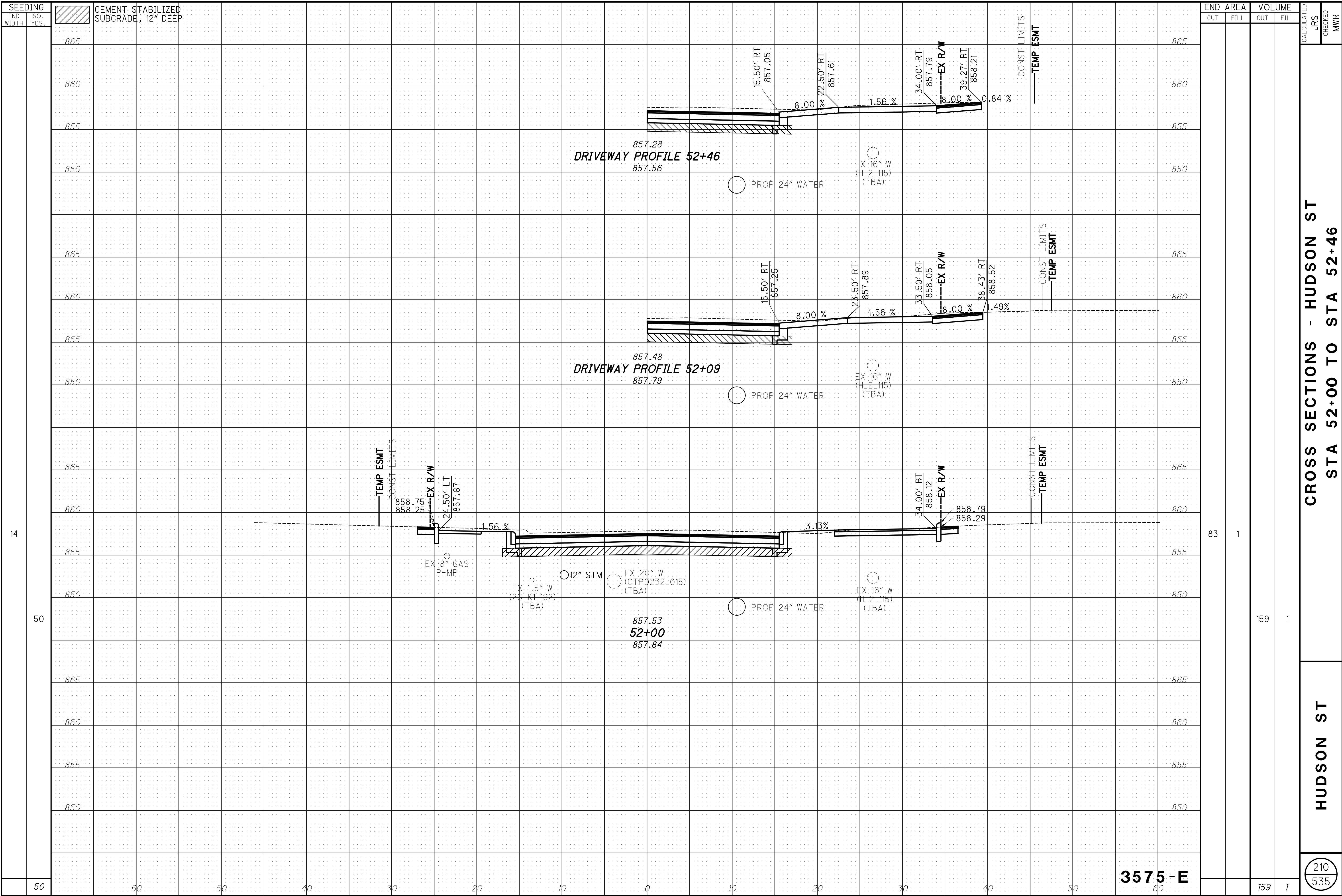
51+50  
858.14

4  
51

89 0

158 1

51 60 50 40 30 20 10 0 10 20 30 40 50 60



SEEDING  
END SO. WIDTH YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED JRS CHECKED MWR

CROSS SECTIONS - HUDSON ST  
STA 52+00 TO STA 52+46

HUDSON ST

210  
535

3575-E

14

50

83

1

159

1

50

60

50

40

30

20

10

0

10

20

30

40

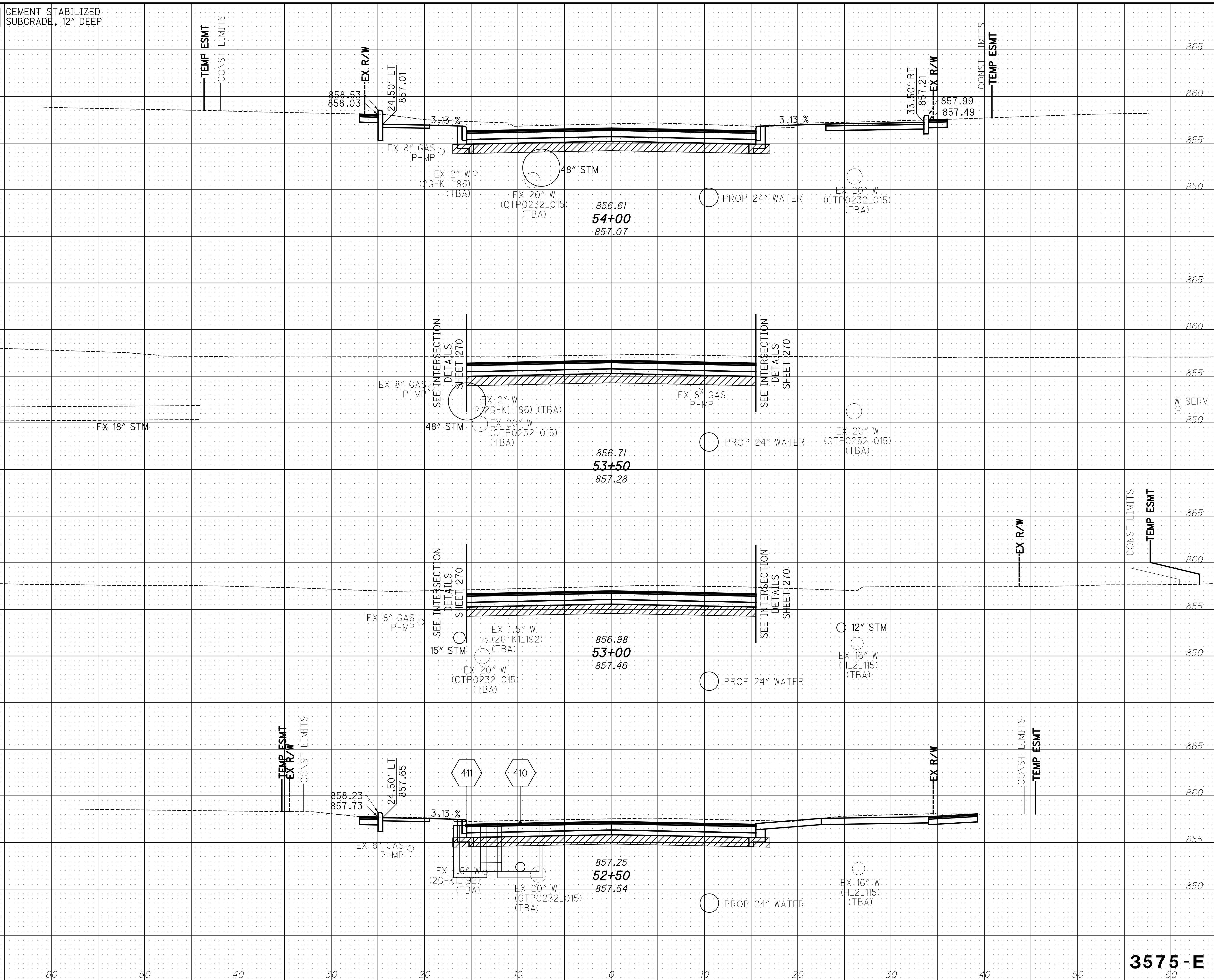
50

60

159

1

SEEDING	END		SO. YDS.
	WIDTH	AREA	
	15	41	0
	0	0	0
	0	21	8
	60		
122	60	50	40
		30	20
		10	0
		10	20
		30	40
		50	60



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
865	93	1		
860				
855				
850			146	0
865				
860				
855				
850			119	0
865				
860				
855				
850			136	0
865				
860				
855				
850			84	0
865				
860				
855				
850			155	1
865				
860				
855				
850				
865			556	1

**CROSS SECTIONS - HUDSON ST**  
STA 52+50 TO STA 54+00

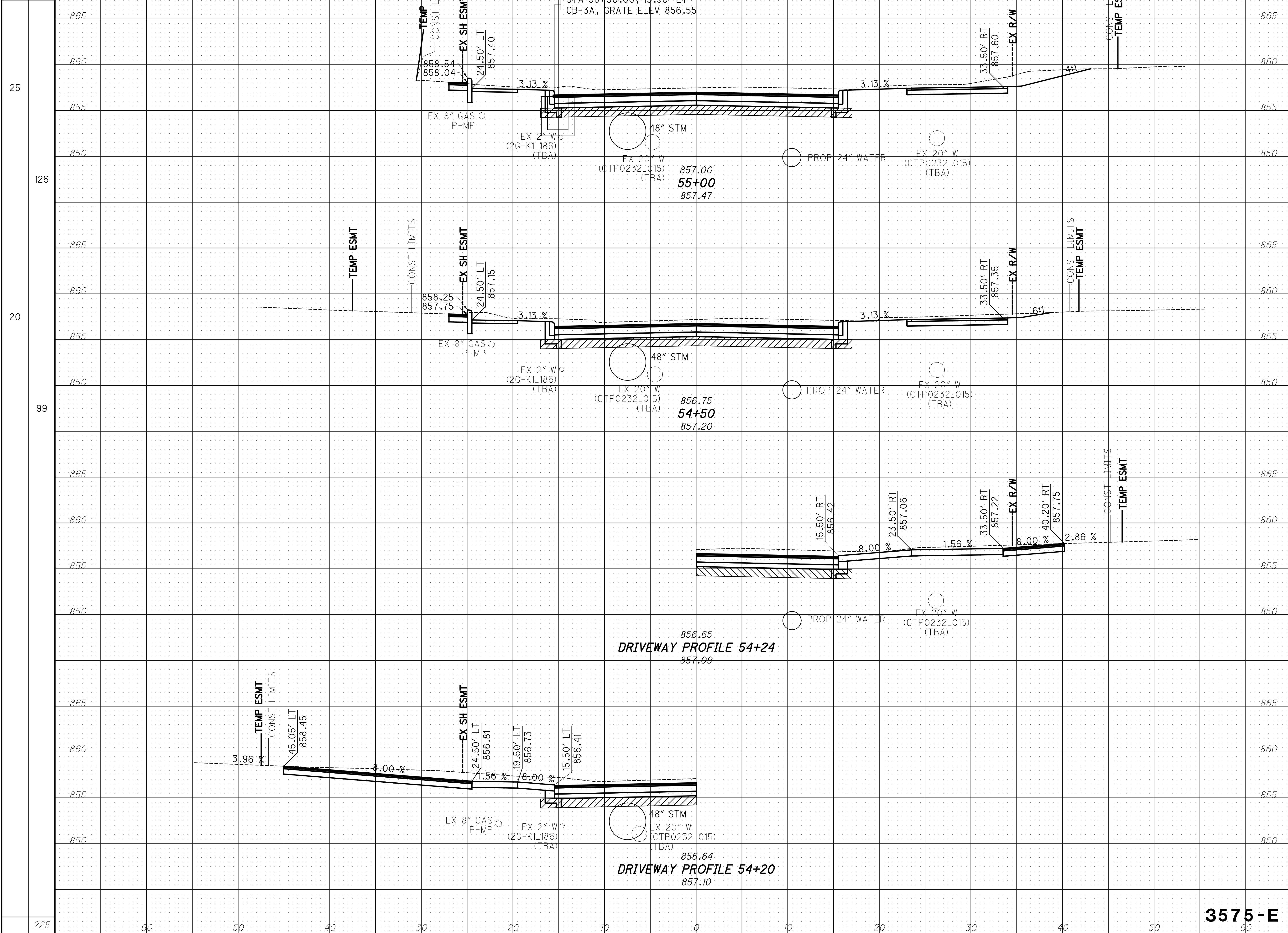
**HUDSON ST**

(211)  
535

3575-E

SEEDING  
END WIDTH SO. YDS.

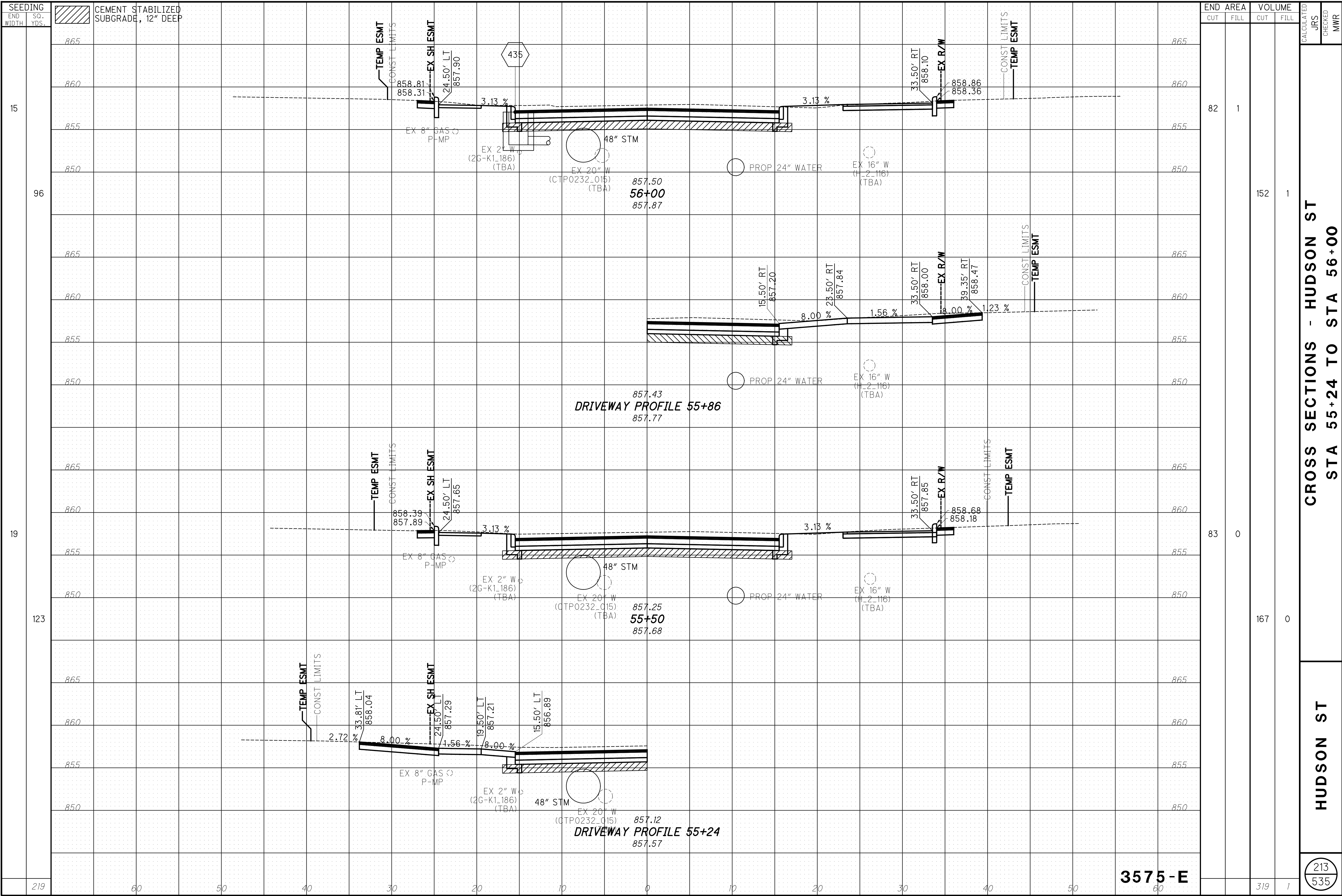
CEMENT STABILIZED SUBGRADE, 12" DEEP



END AREA	VOLUME	CALCULATED	CHECKED	MWR
98	0			
90	0			
169	0			
343	0			

HUDSON ST  
 CROSS SECTIONS - HUDSON ST  
 STA 54+20 TO STA 55+00  
 212  
 535

3575-E

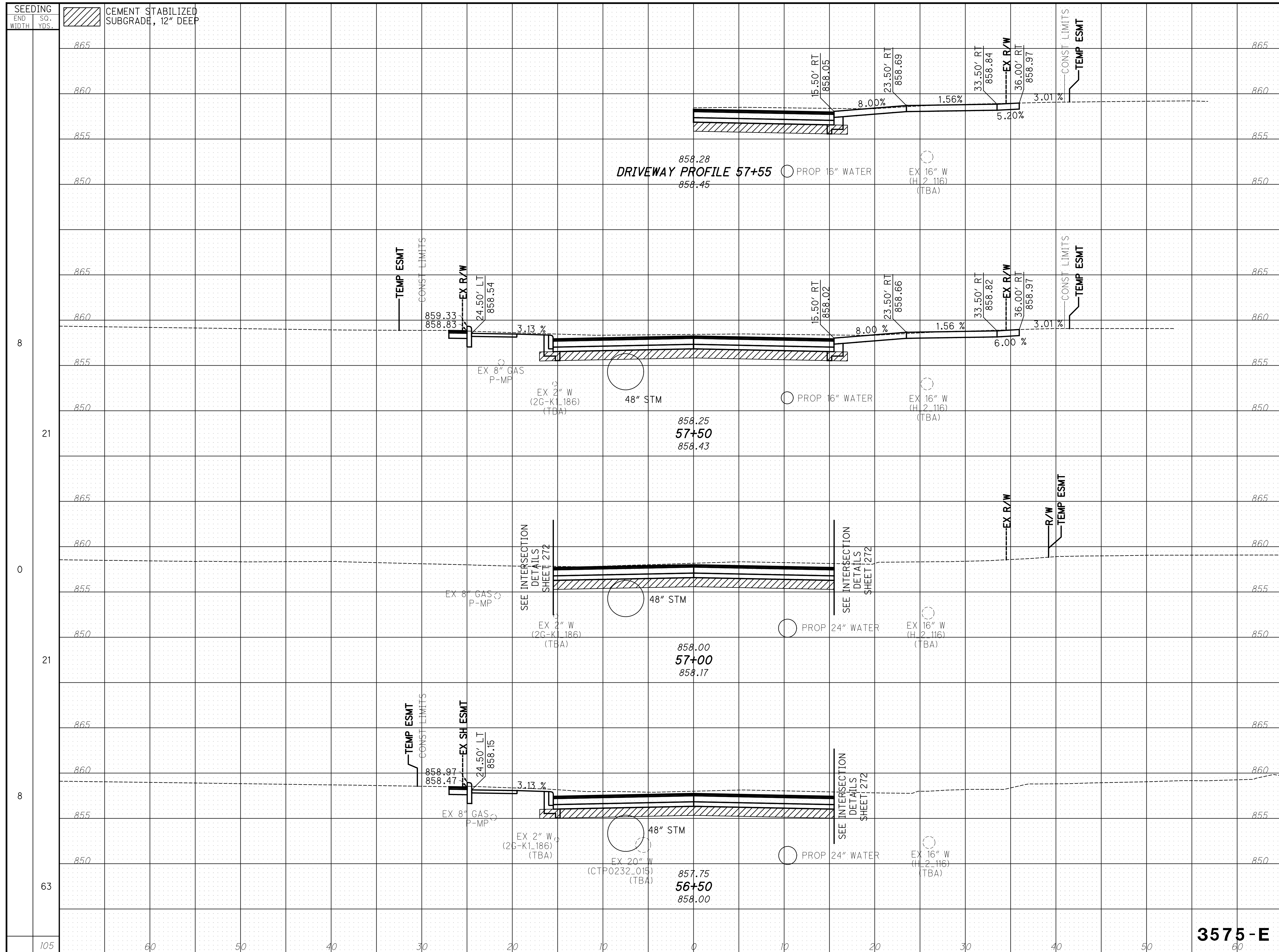


END STA	AREA		VOLUME		CALCULATED JRS	CHECKED MWR									
	CUT	FILL	CUT	FILL											
865															
860															
855															
850															
865															
860															
855															
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865															
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865															
860															
855															
850															
865															
860															
855															
850															
219	60	50	40	30	20	10	0	10	20	30	40	50	60	319	1

**CROSS SECTIONS - HUDSON ST**  
**STA 55+24 TO STA 56+00**

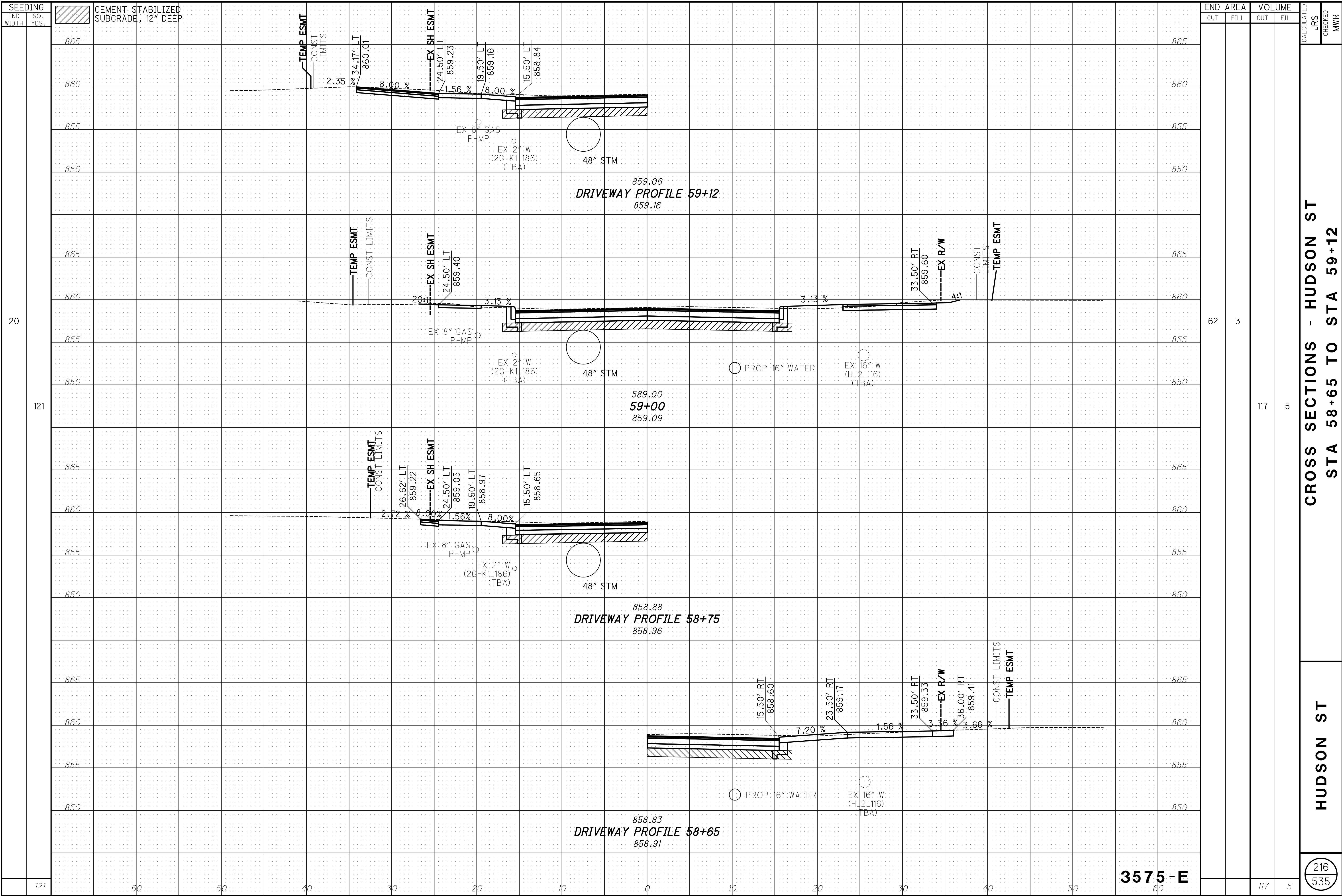
**HUDSON ST**

213  
535



END STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
865				
860				
855				
850				
865				
860				
855				
850				
865				
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850	</			





END AREA		VOLUME		CALCULATED JRS	CHECKED MWR
CUT	FILL	CUT	FILL		
62	3	117	5		

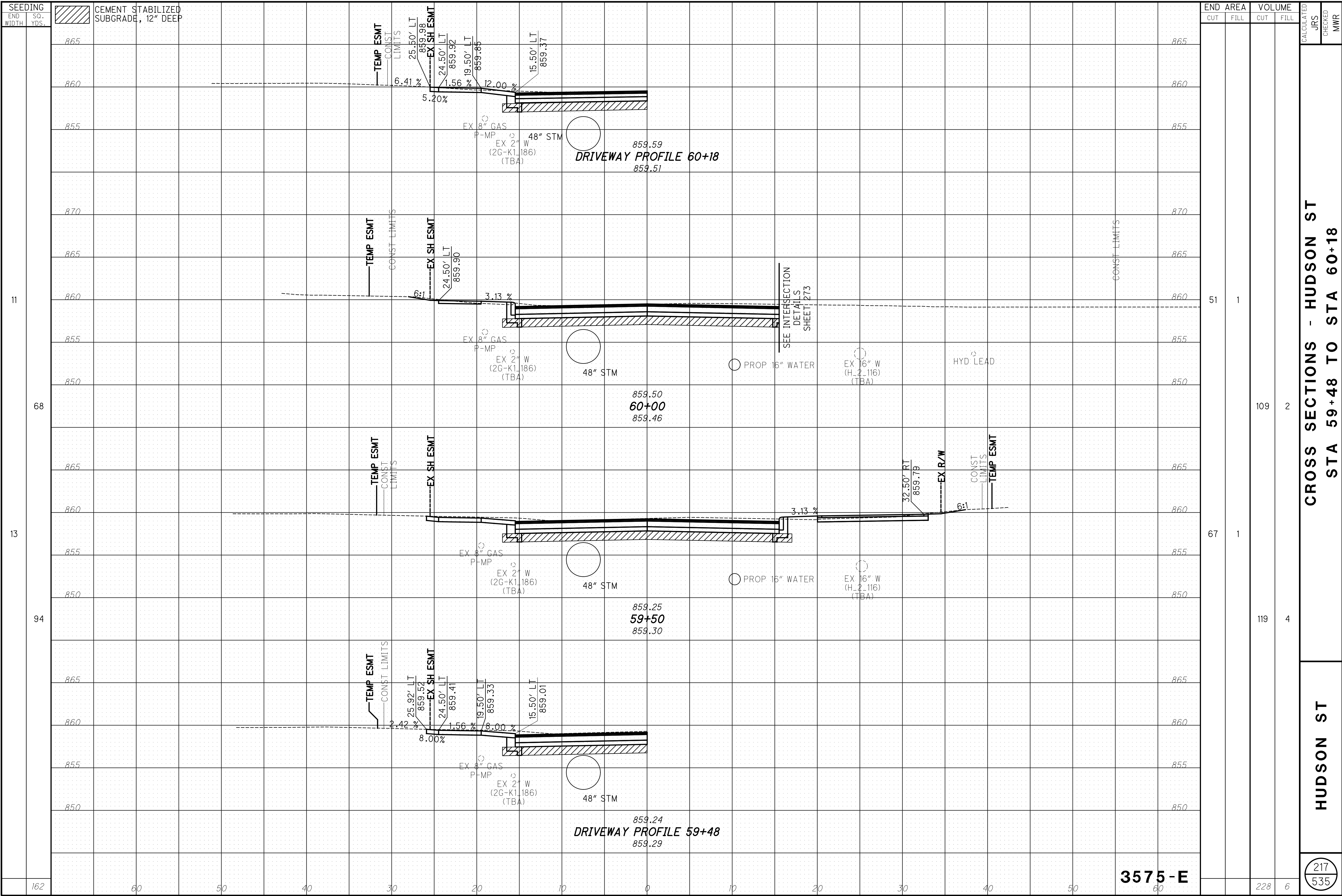
**CROSS SECTIONS - HUDSON ST**  
**STA 58+65 TO STA 59+12**

**HUDSON ST**

216  
535

**3575-E**





SEEDING  
END WIDTH SO. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL

CALCULATED  
JRS  
CHECKED  
MWR

11

68

13

94

162

60

50

40

30

20

10

0

10

20

30

40

50

60

51

109

67

119

228

1

2

1

4

6

3575-E

CROSS SECTIONS - HUDSON ST  
STA 59+48 TO STA 60+18

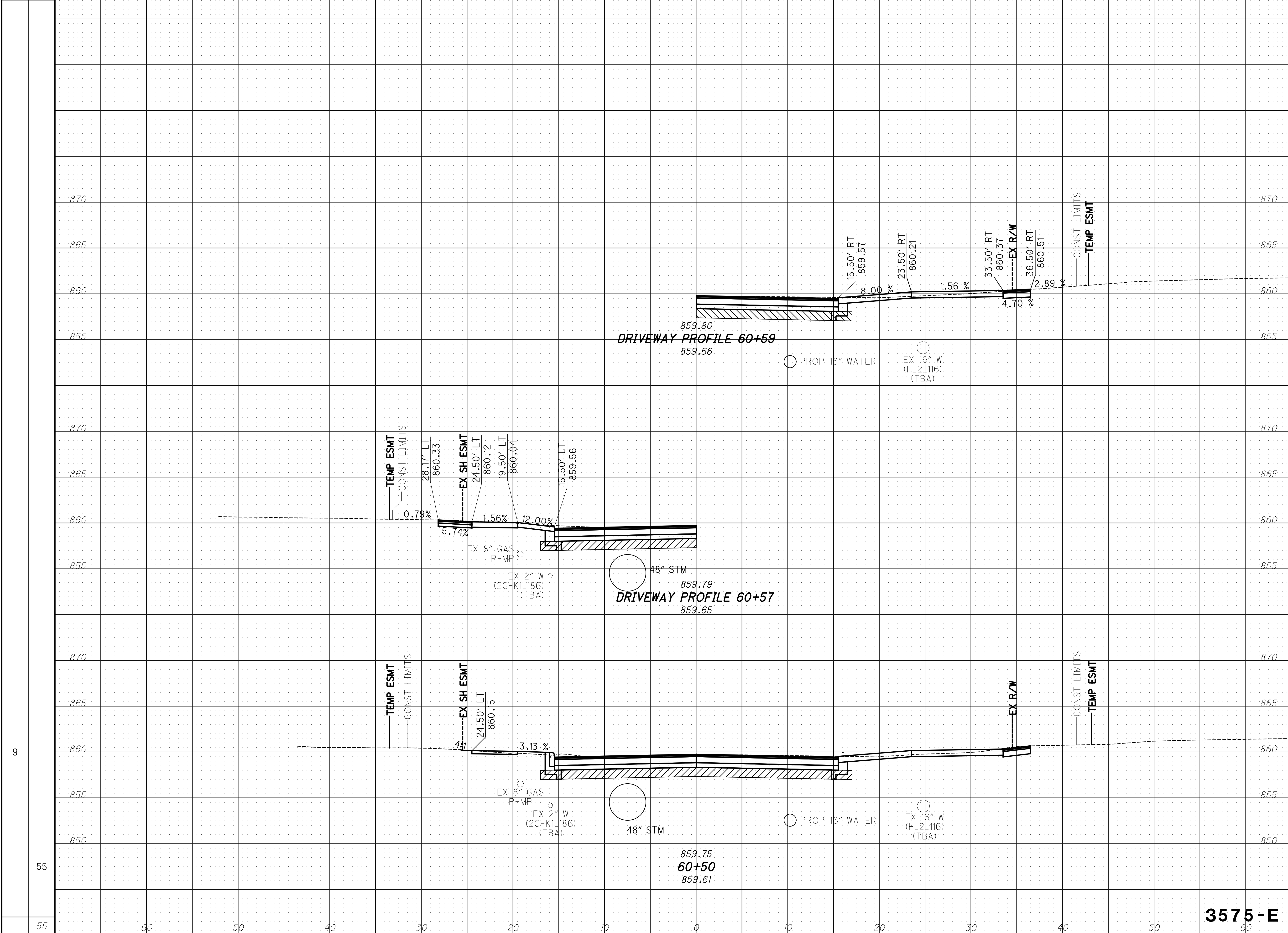
HUDSON ST

217  
535

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED JRS CHECKED MWR



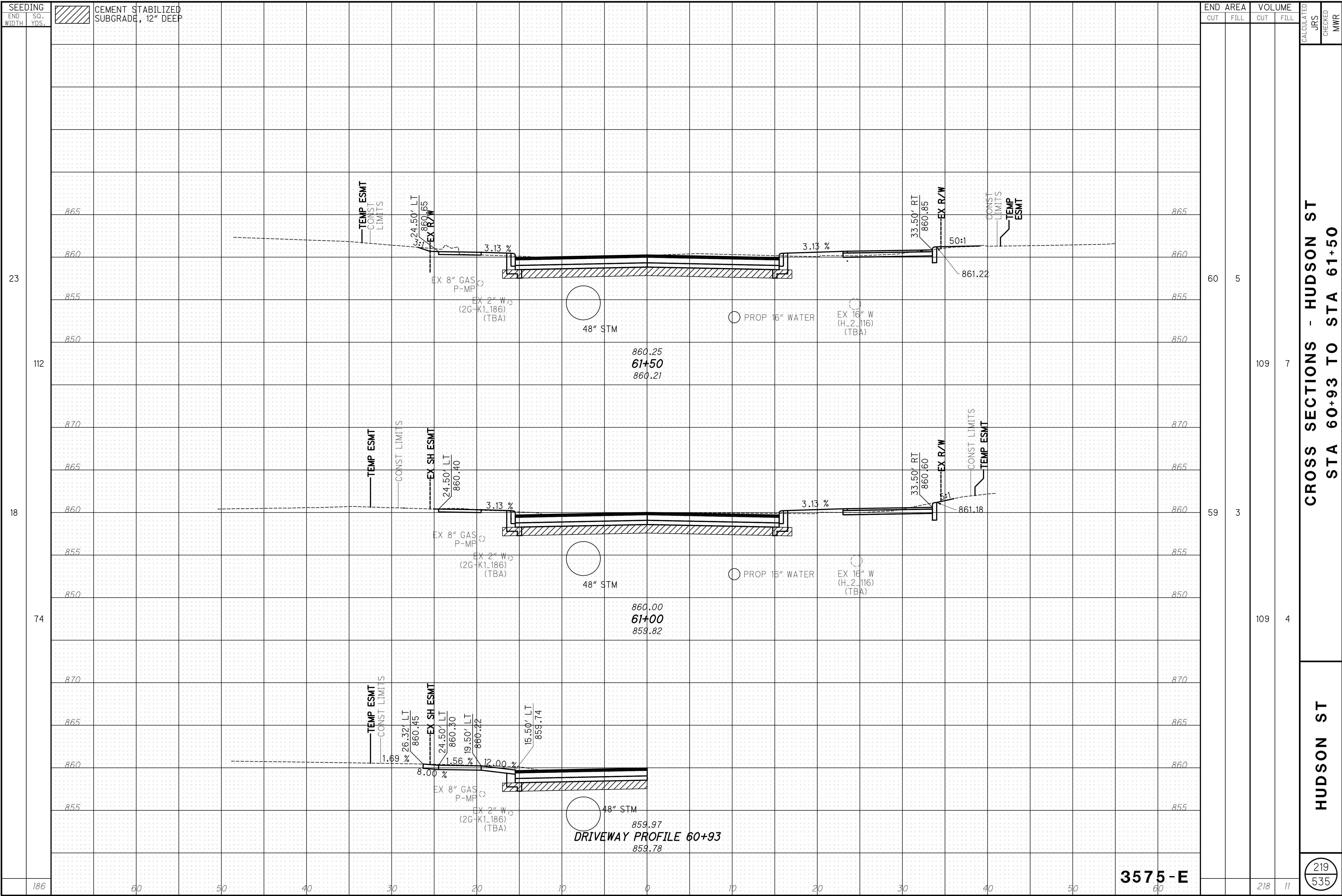
STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
59		1		
60		101	3	
60		101	3	

CROSS SECTIONS - HUDSON ST  
STA 60+50 TO STA 60+59

HUDSON ST

218  
535

3575-E



SEEDING	END		SO.	CEMENT STABILIZED	SUBGRADE, 12" DEEP	STATION	ELEVATION	AREA	VOLUME	CHECKED	MWR
	WIDTH	YDS.									
						60+93	860.25	60	5		
						61+00	860.00	59	3		
						61+50	860.21	60	5		

END AREA	VOLUME		CALCULATED	CHECKED	MWR
	CUT	FILL			
60	5				
59	3				
60	5				

**CROSS SECTIONS - HUDSON ST**  
**STA 60+93 TO STA 61+50**

**HUDSON ST**

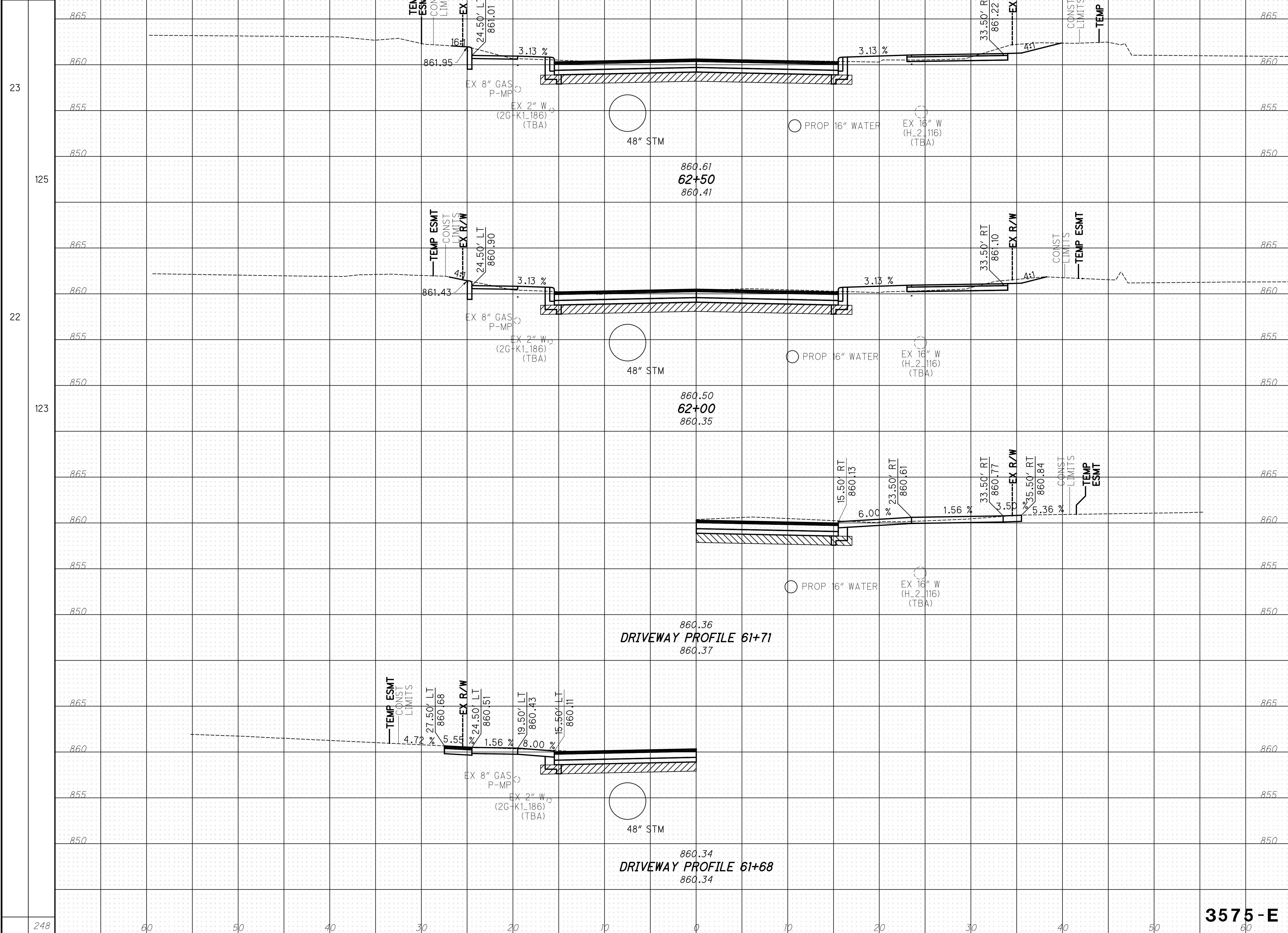
219  
 535

**3575-E**

**DRIVEWAY PROFILE 60+93**

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
63	63	5	111	10
58	58	6	109	10
220	220	20		

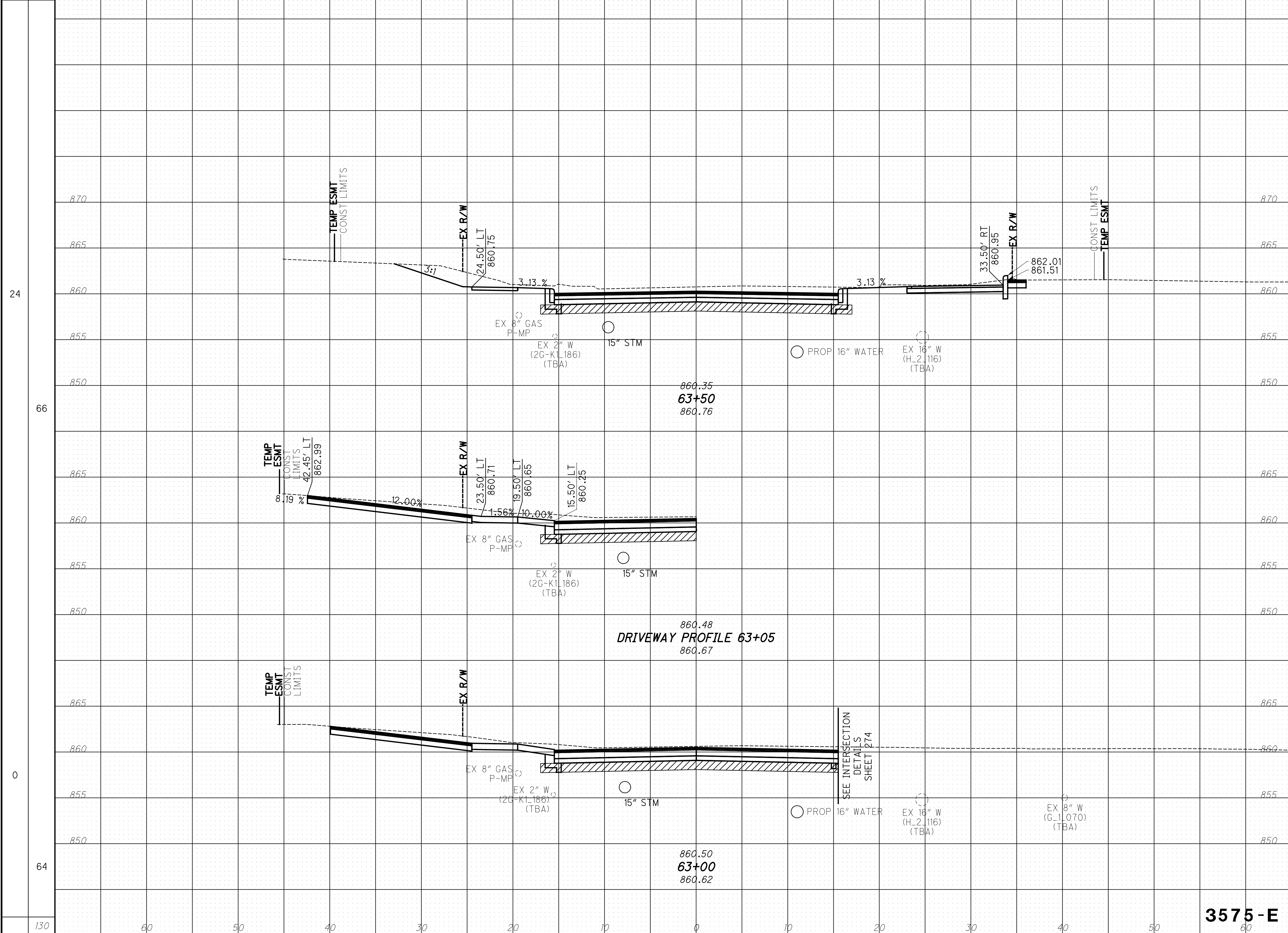
CALCULATED JRS CHECKED MWR  
**CROSS SECTIONS - HUDSON ST**  
**STA 61+67 TO STA 62+50**  
**HUDSON ST**  
 220  
 535

3575-E

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
63+50	90	0	158	0
63+00	81	0	133	4
<b>TOTAL</b>	<b>171</b>	<b>0</b>	<b>291</b>	<b>4</b>

CROSS SECTIONS - HUDSON ST  
STA 63+00 TO STA 63+50

HUDSON ST

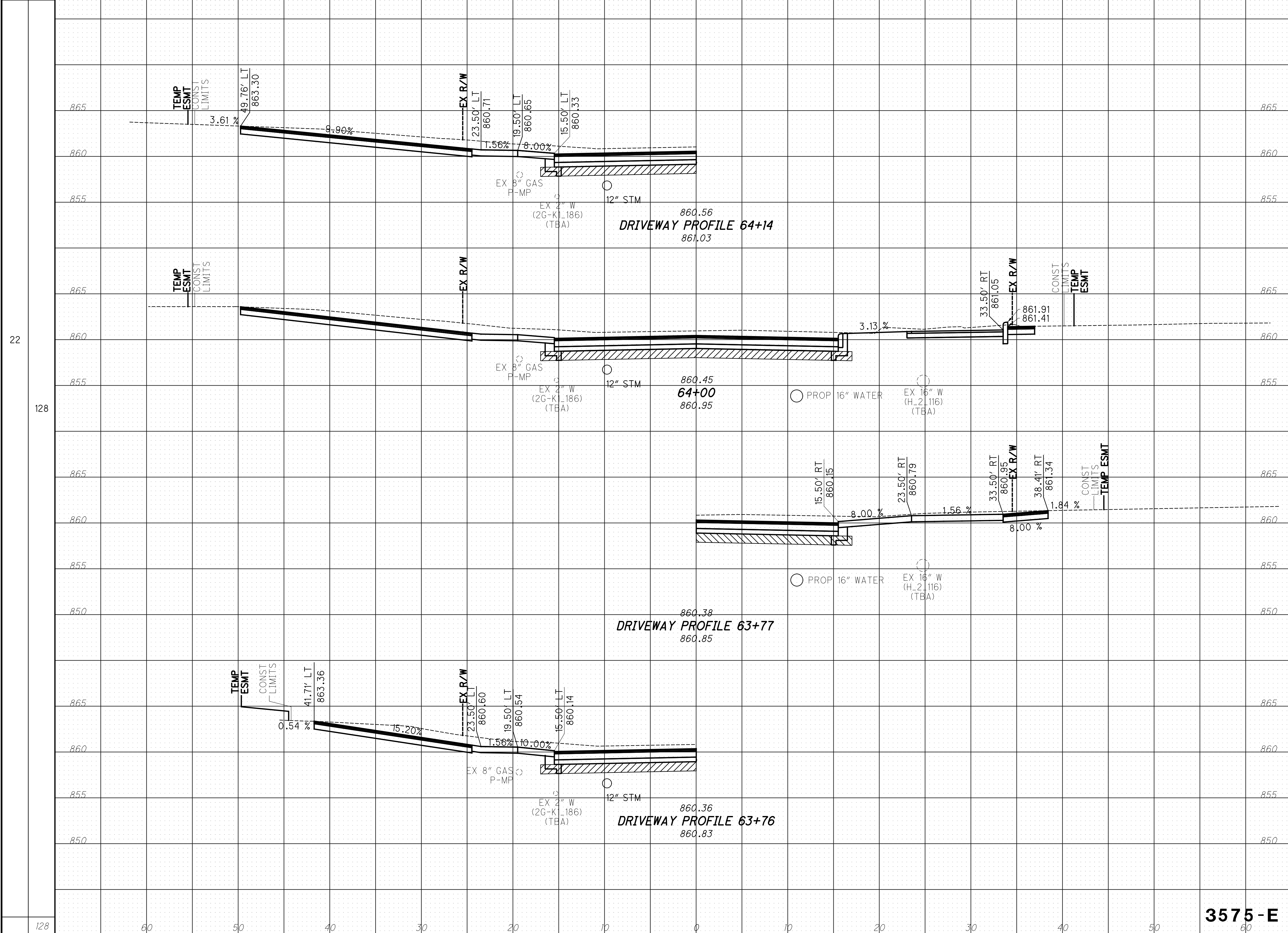
221  
535

3575-E

SEEDING  
END SQ.  
WIDTH YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



END AREA	VOLUME	CALCULATED	CHECKED
CUT	FILL	JRS	MWR
96	0		
172	0		
172	0		

CROSS SECTIONS - HUDSON ST  
STA 63+76 TO STA 64+14

HUDSON ST

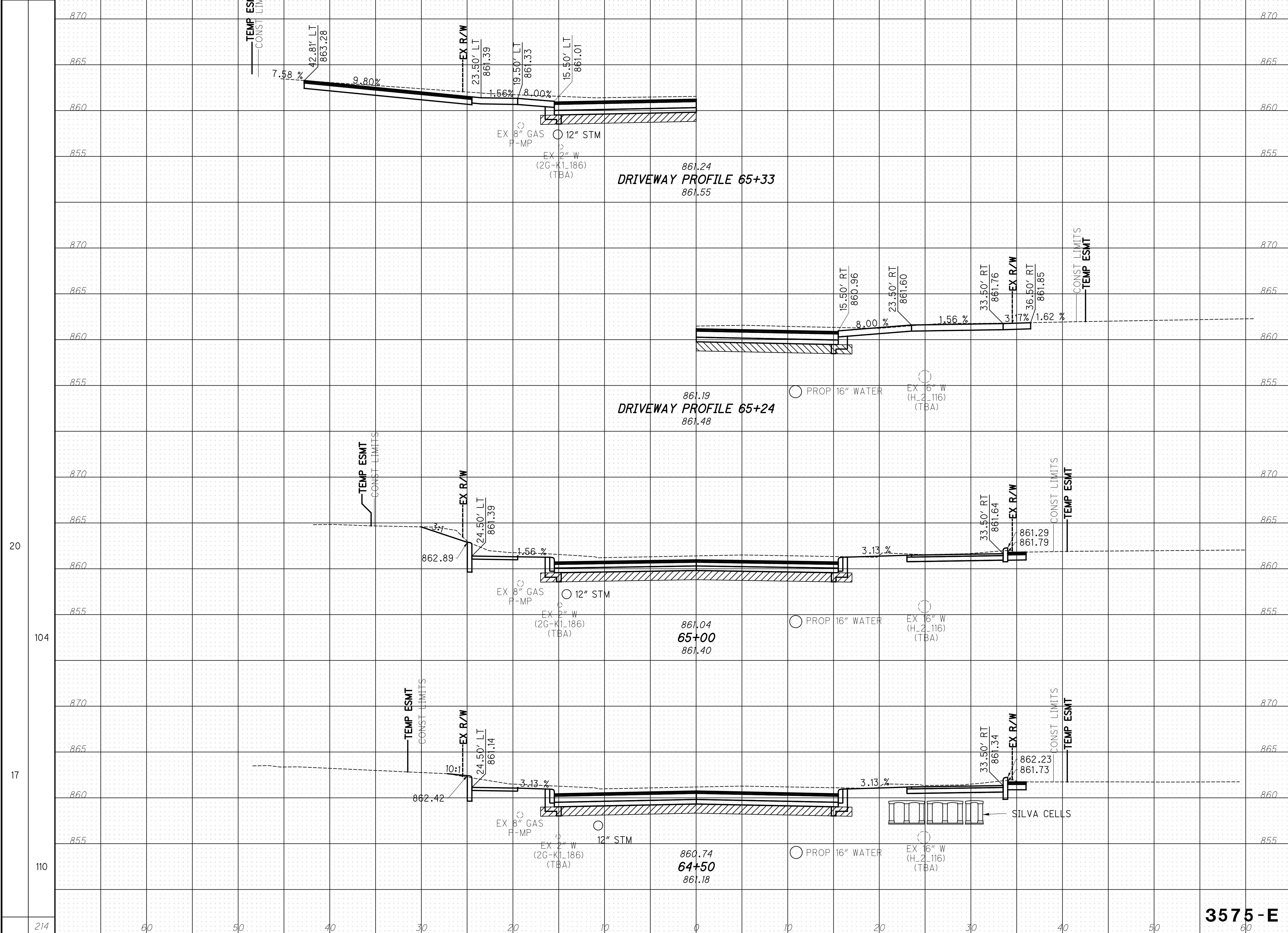
3575-E

222  
535

SEEDING  
END WIDTH  
SQ. YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



**3575-E**

CROSS SECTIONS - HUDSON ST  
STA 64+50 TO STA 65+33

HUDSON ST

223  
535

20

104

17

110

214

60

50

40

30

20

10

0

10

20

30

40

50

60

340

0

165

0

85

0

870

865

860

855

870

865

860

855

870

865

860

855

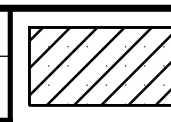
870

865

860

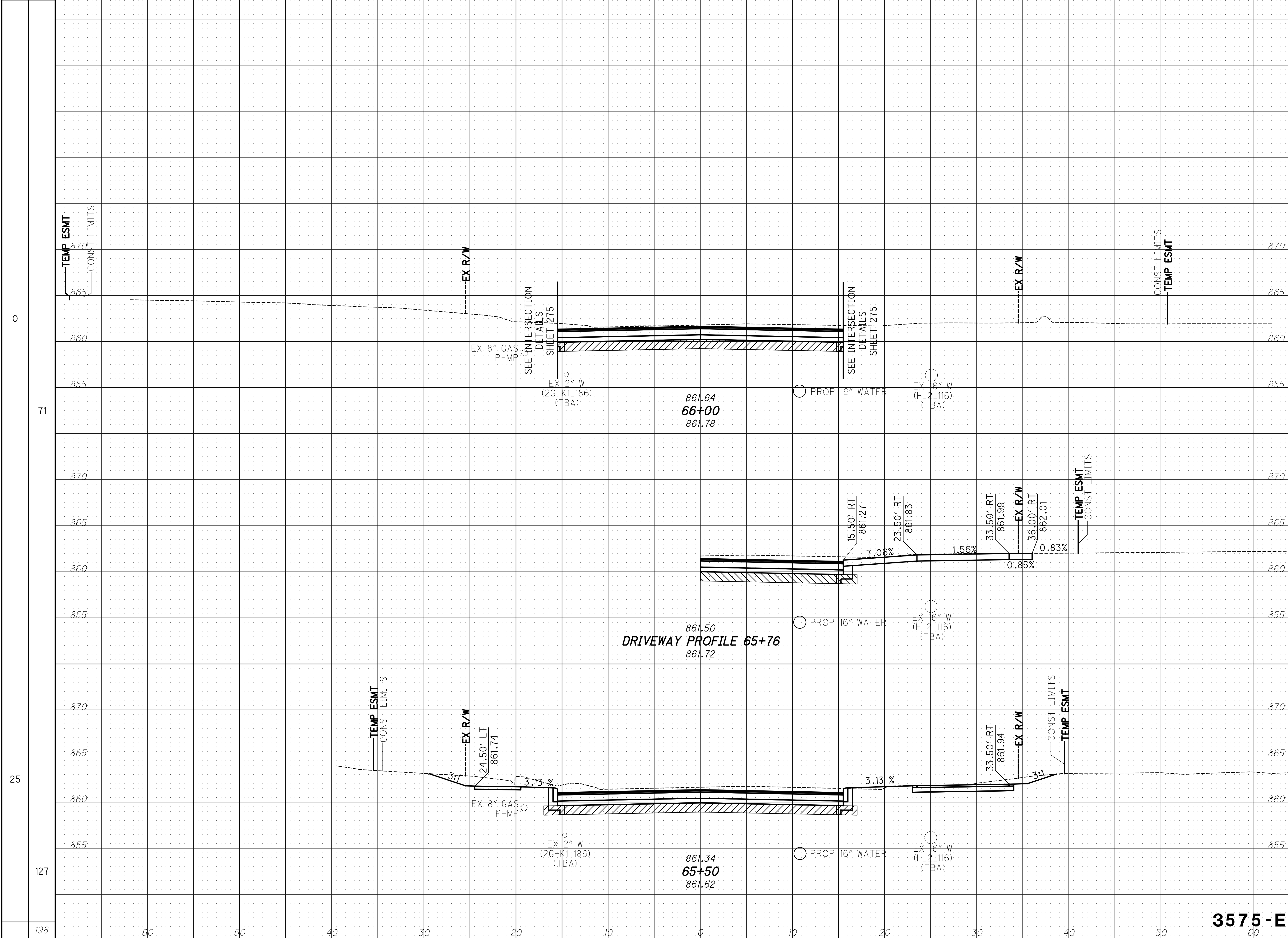
855

SEEDING  
END WIDTH SO. YDS.



CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
65+50	85	1	158	0
66+00	54	0	129	0
65+76	85	1	158	0
TOTAL	224	2	445	0

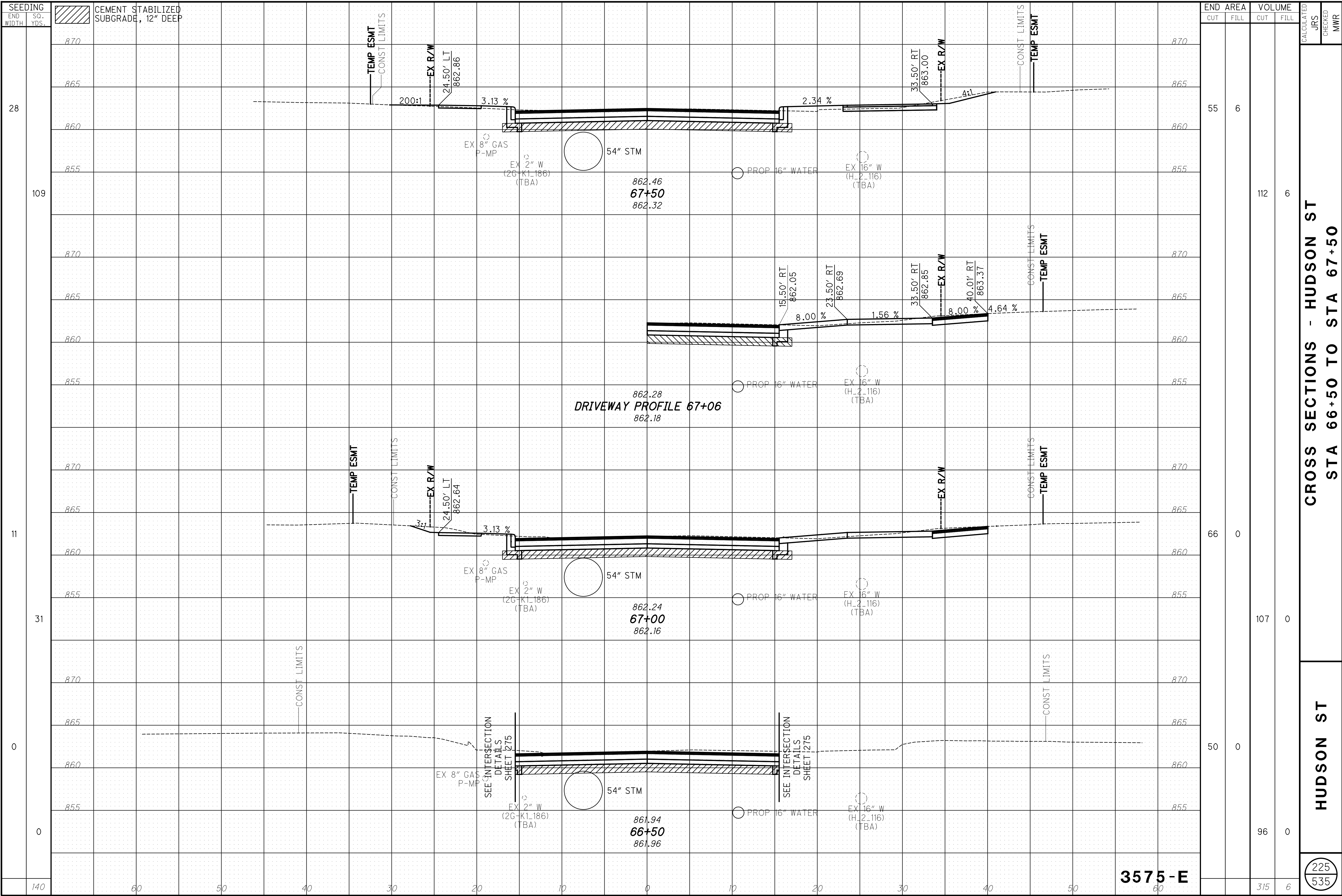
3575-E

CROSS SECTIONS - HUDSON ST  
STA 65+50 TO STA 66+00

HUDSON ST

224  
535





SEEDING	SO. YDS.	END WIDTH	28		109		11		31		0		0		140
			CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL			

END AREA	VOLUME	CALCULATED	CHECKED	MWR
55	6			
112	6			
66	0			
107	0			
50	0			
96	0			
315	6			

**CROSS SECTIONS - HUDSON ST**  
**STA 66+50 TO STA 67+50**

**HUDSON ST**

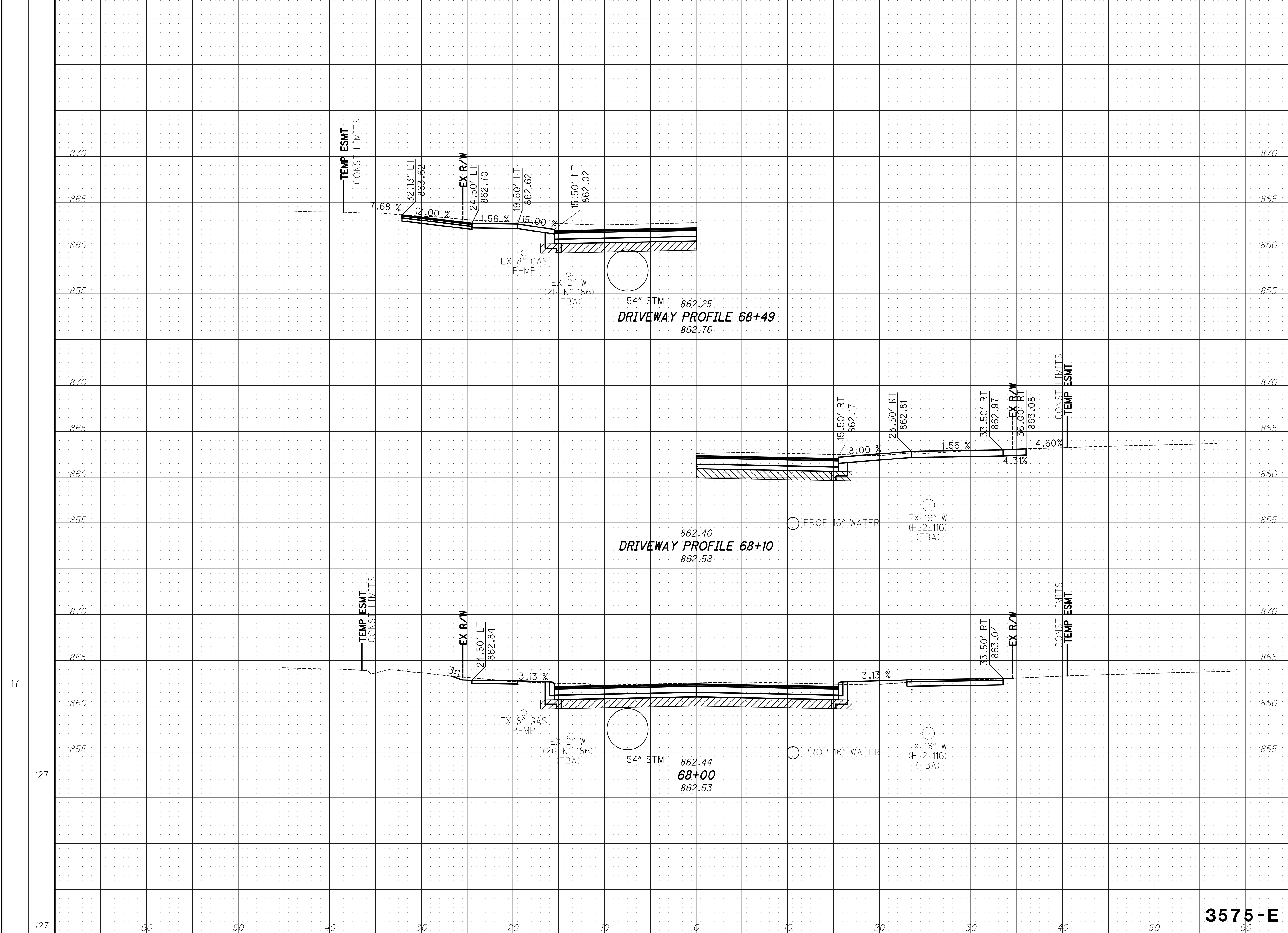
225  
 535

**3575-E**

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



END AREA		VOLUME		CALCULATED JRS	CHECKED MWR
CUT	FILL	CUT	FILL		
63	2	109	8		
		109	8		

CROSS SECTIONS - HUDSON ST  
STA 68+00 TO STA 68+49

HUDSON ST

226  
535

3575-E

17

127

127

60

50

40

30

20

10

0

10

20

30

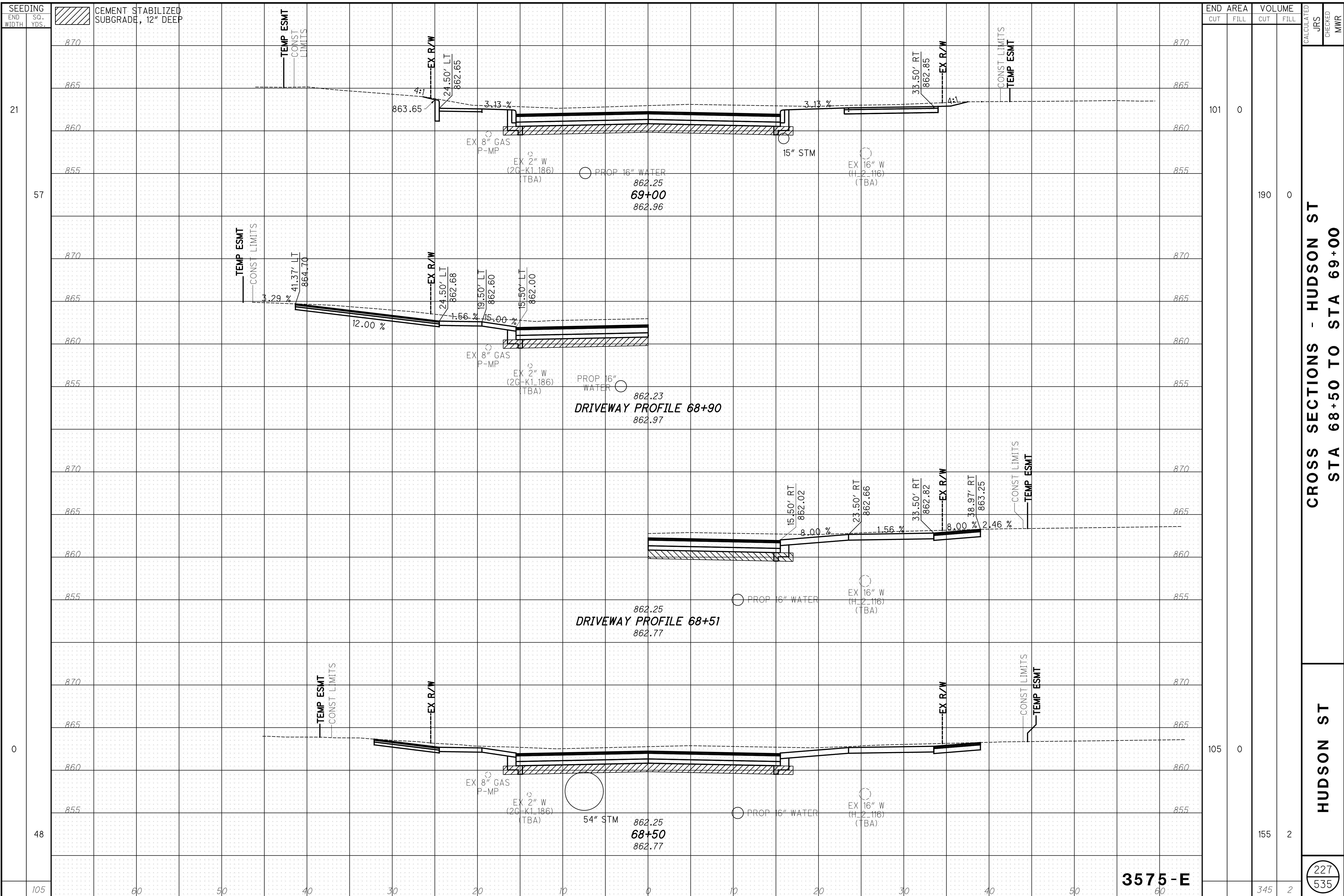
40

50

60

109

8



SEEDING	SQ. YDS.	END WIDTH	21	57	0	48	105	END AREA		VOLUME		CALCULATED	CHECKED	MWR
								CUT	FILL	CUT	FILL			
								101	0	190	0			
								105	0	155	2			
										345	2			

**CROSS SECTIONS - HUDSON ST**  
**STA 68+50 TO STA 69+00**  
**HUDSON ST**  
227  
535

**3575-E**

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL

CALCULATED  
JRS  
CHECKED  
MWR

24  
96  
11  
87  
183

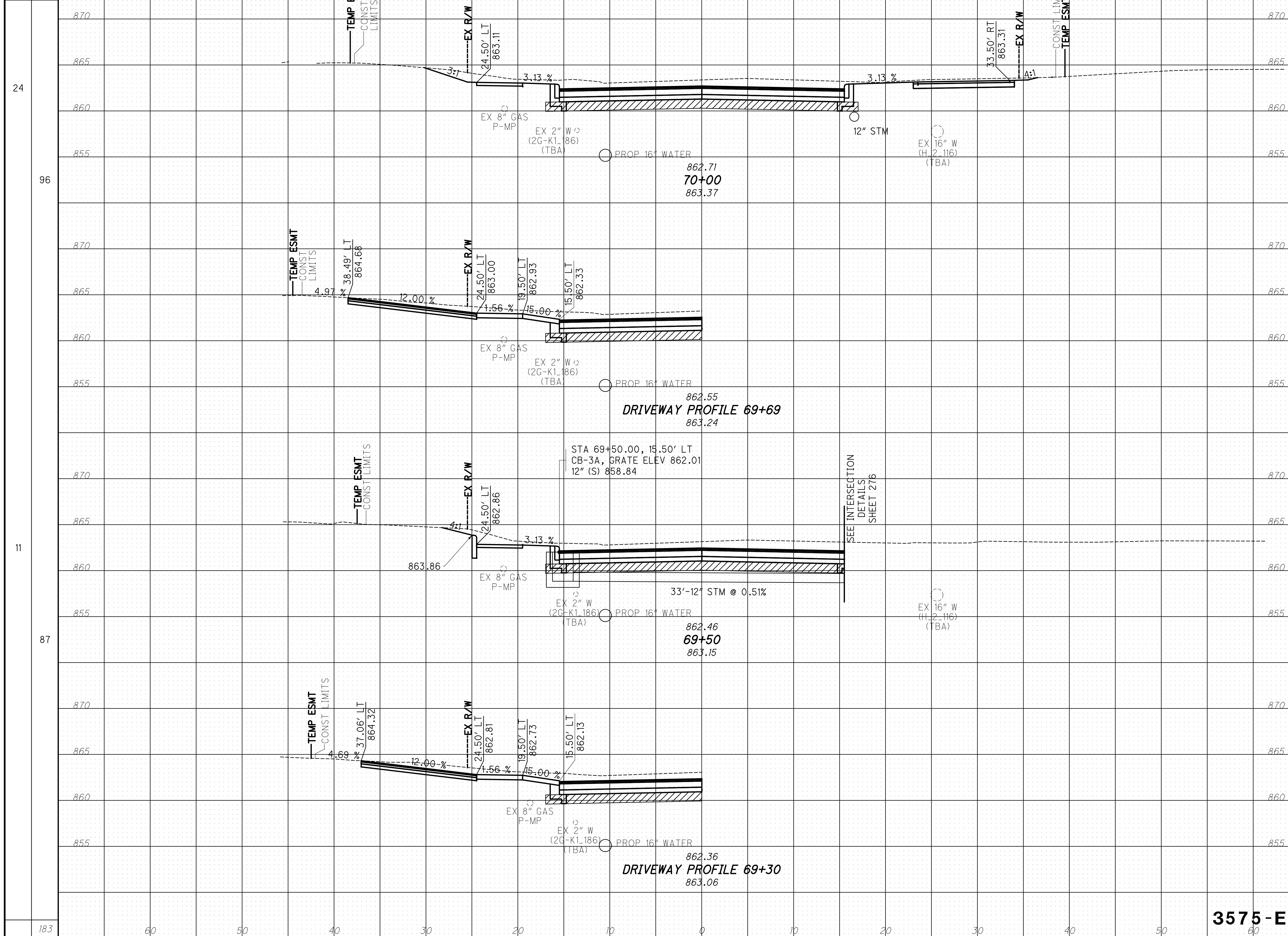
END AREA	VOLUME
CUT	FILL
94	0
165	0
84	0
171	0
336	0

CROSS SECTIONS - HUDSON ST  
STA 69+30 TO STA 70+00

HUDSON ST

228  
535

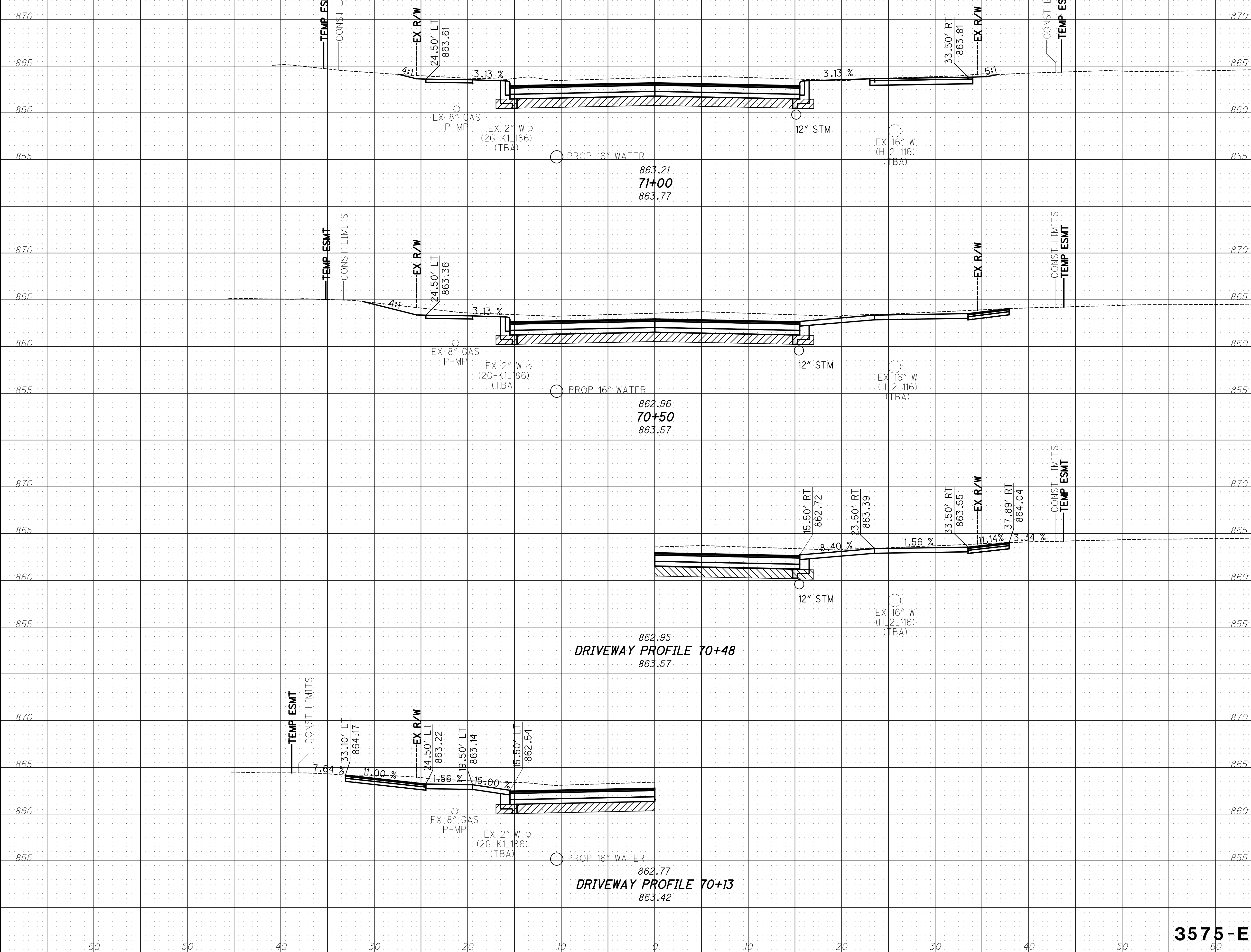
3575-E



SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

21  
99  
14  
106  
205

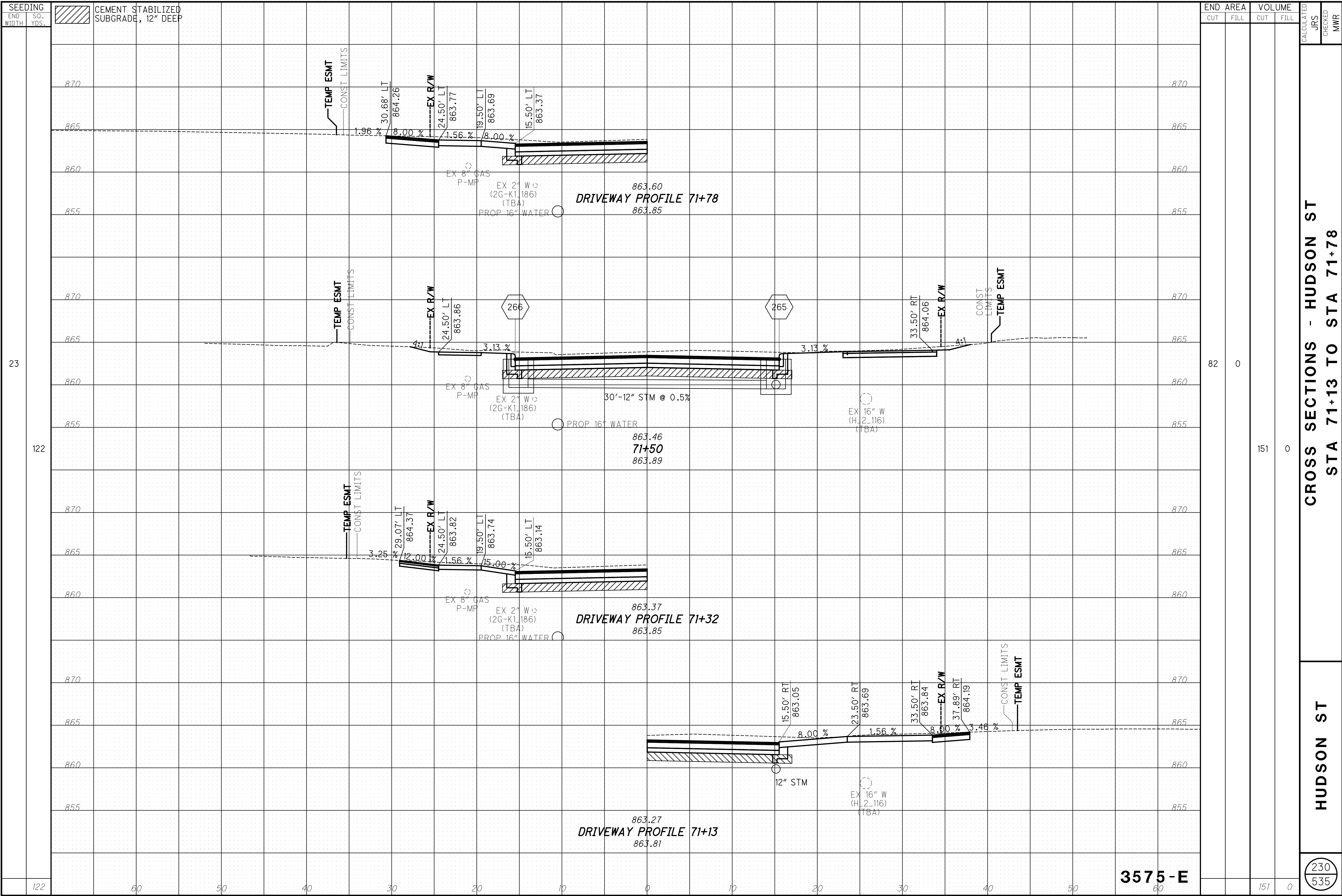


END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
870	81	0	162	0
865	94	0	173	0
860				
855				
850				
845				
840				
835				
830				
825				
820				
815				
810				
805				
800				
795				
790				
785				
780				
775				
770				
765				
760				
755				
750				
745				
740				
735				
730				
725				
720				
715				
710				
705				
700				
695				
690				
685				
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255				
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245				
240				
235				
230				
225				
220				
215				
210				
205				

CROSS SECTIONS - HUDSON ST  
 STA 70+13 TO STA 71+00  
 HUDSON ST

3575-E

229  
535



SEEDING	
END WIDTH	SO. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA		VOLUME		CALCULATED JRS	CHECKED MWR
CUT	FILL	CUT	FILL		

23

122

82

0

151

0

3575-E

CROSS SECTIONS - HUDSON ST  
 STA 71+13 TO STA 71+78

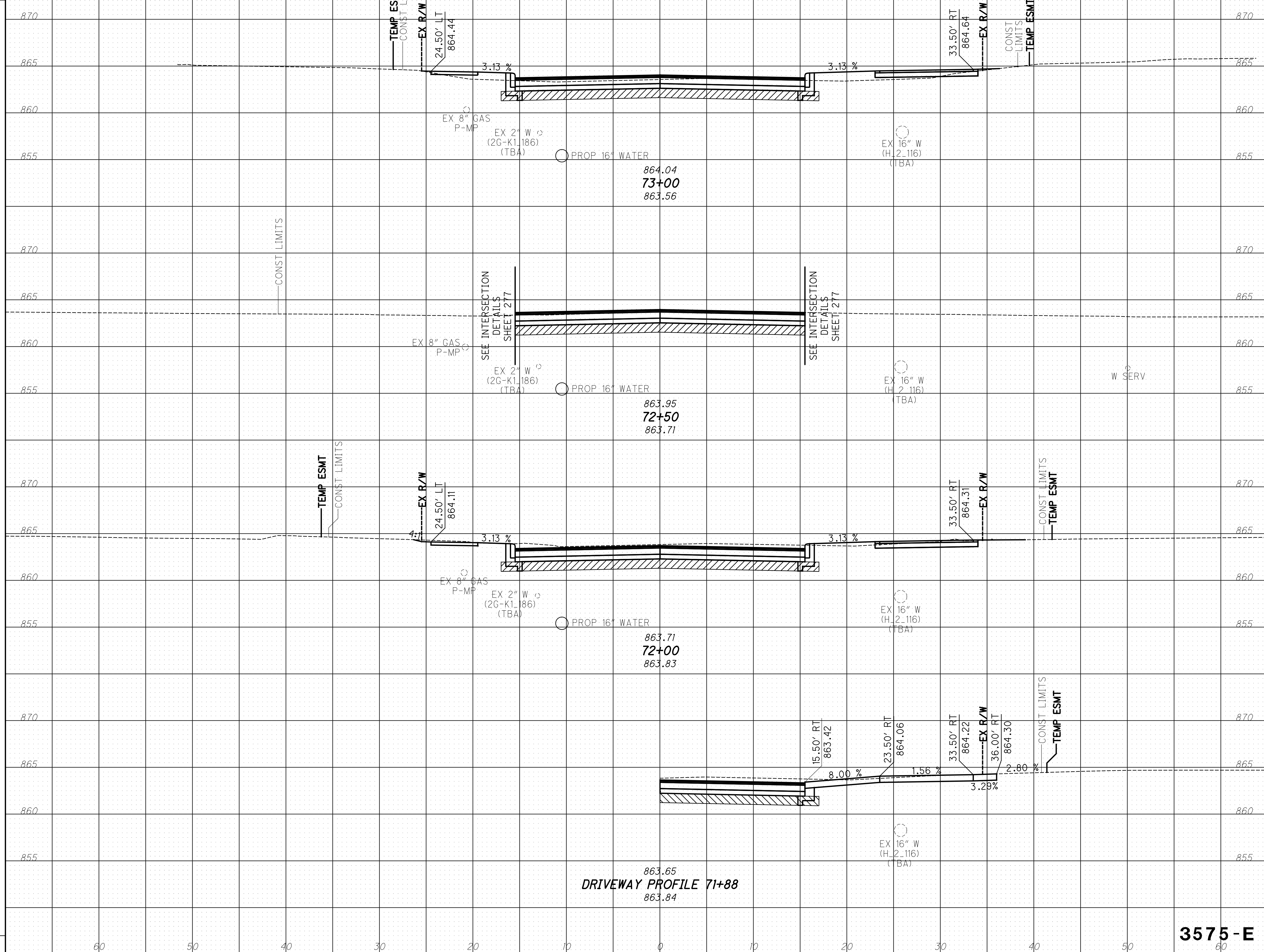
HUDSON ST

230  
 535

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

19  
52  
0  
62  
22  
126  
240



END STA	AREA		VOLUME		CALCULATED JRS	CHECKED MWR
	CUT	FILL	CUT	FILL		
73+00	38	13	71	12		
72+50	39	0	97	2		
72+00	65	2	136	2		
71+88			304	16		

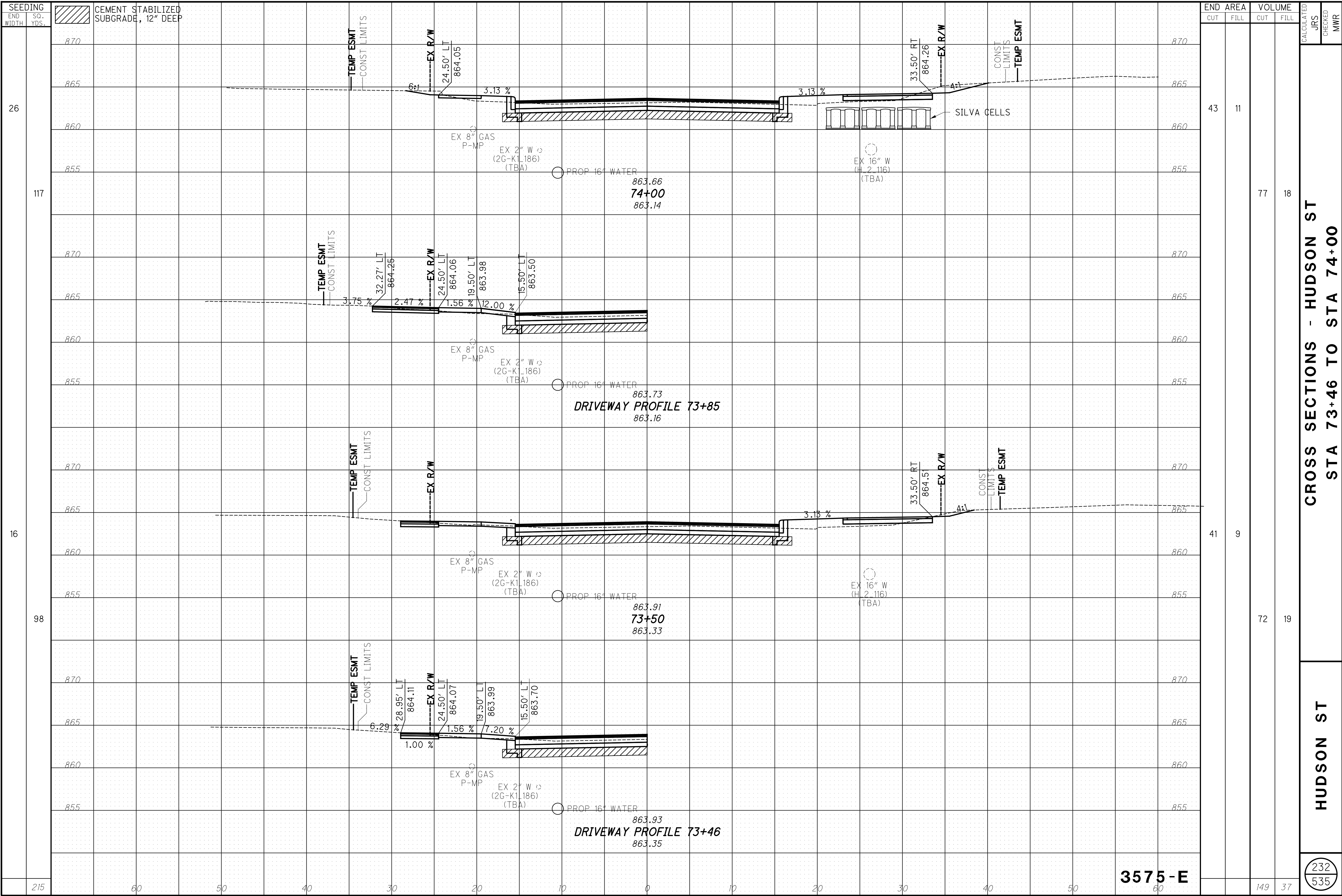
CROSS SECTIONS - HUDSON ST  
STA 71+88 TO STA 73+00

HUDSON ST

231  
535

3575-E

DRIVEWAY PROFILE 71+88  
863.65  
863.84



**CROSS SECTIONS - HUDSON ST**  
**STA 73+46 TO STA 74+00**

**HUDSON ST**

232  
 535

**3575-E**

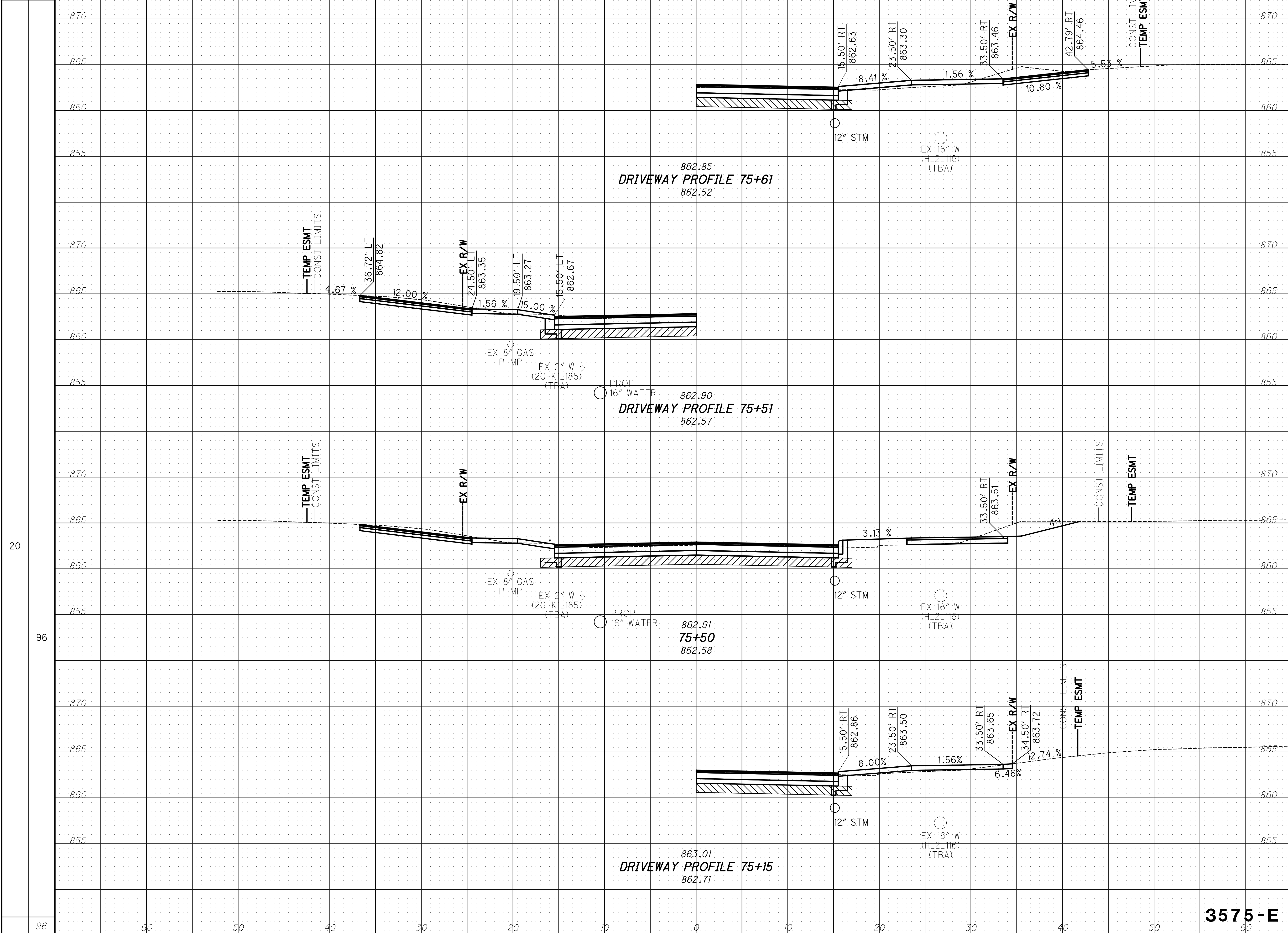




SEEDING  
END WIDTH SQ. YDS.

 CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED JRS CHECKED MWR



END STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
870				
865				
860				
855				
870				
865				
860				
855				
870				
865				
860				
855				
870				
865				
860	66	5		
855				
96			103	10
870				
865				
860				
855				
96			103	10

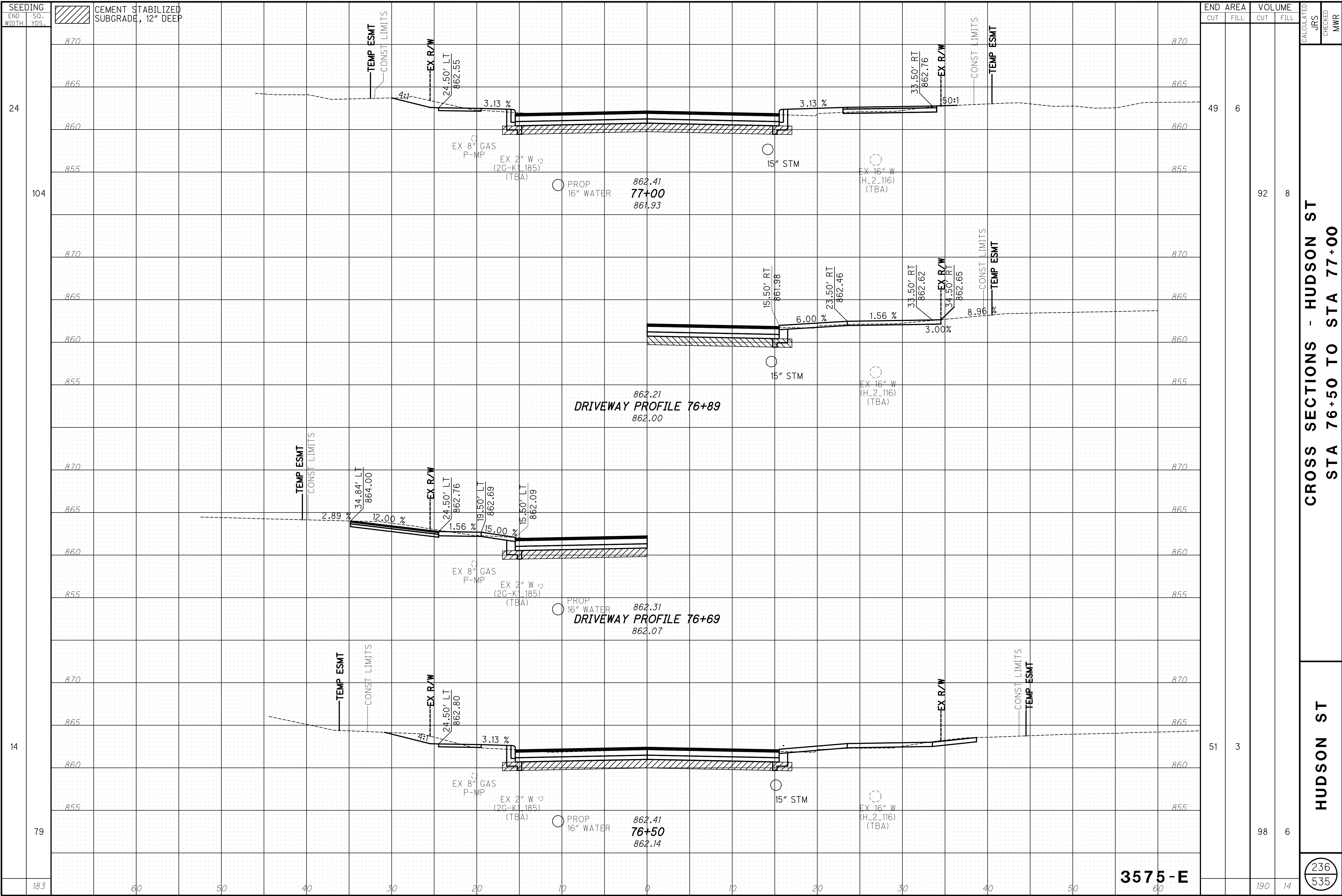
CROSS SECTIONS - HUDSON ST  
STA 75+15 TO STA 75+61

HUDSON ST

3575-E

234  
535



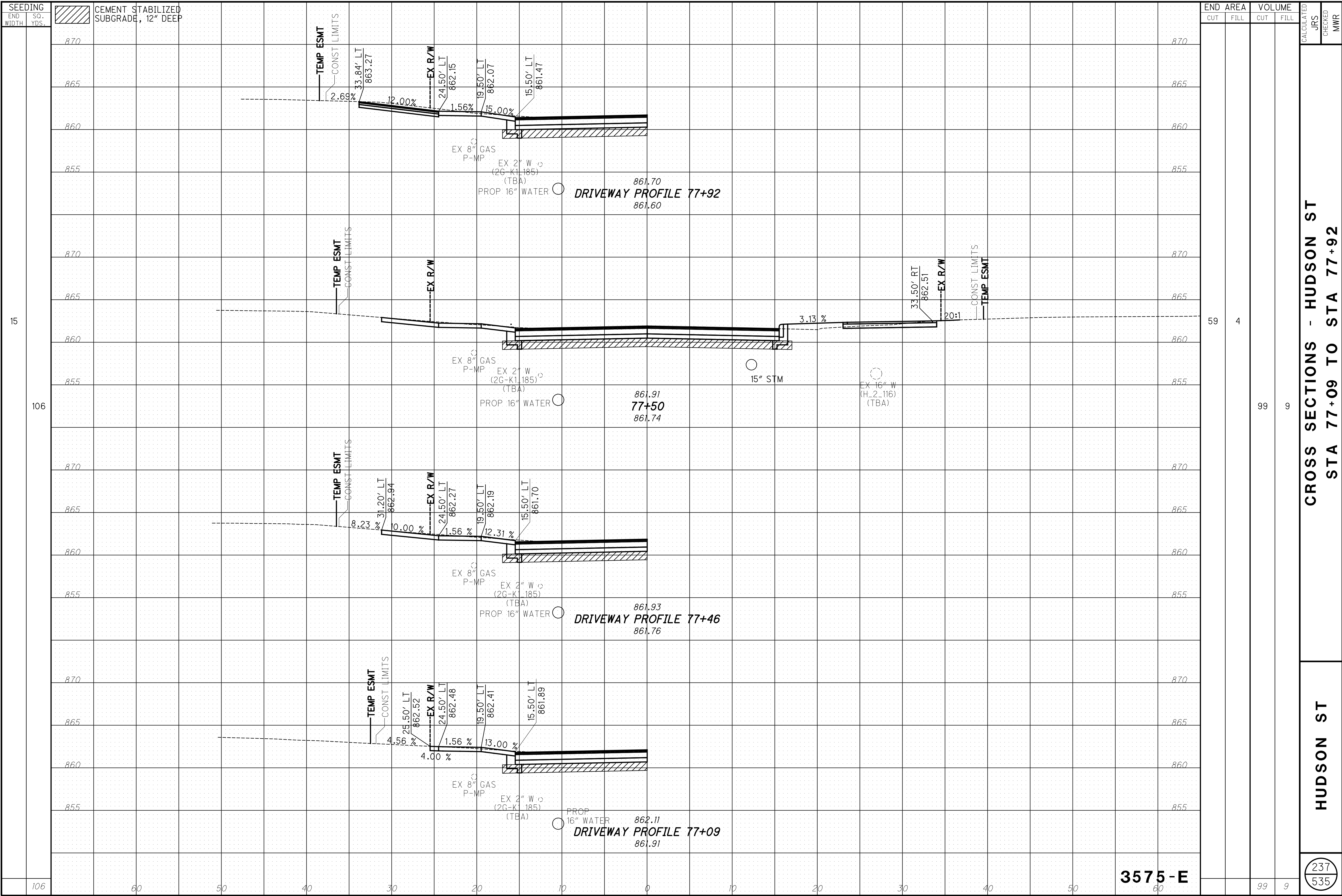


**CROSS SECTIONS - HUDSON ST**  
**STA 76+50 TO STA 77+00**

**HUDSON ST**

236  
 535

END AREA		VOLUME		CALCULATED JRS	CHECKED MWR
CUT	FILL	CUT	FILL		
49	6				
		92	8		
51	3	98	6		
		190	14		

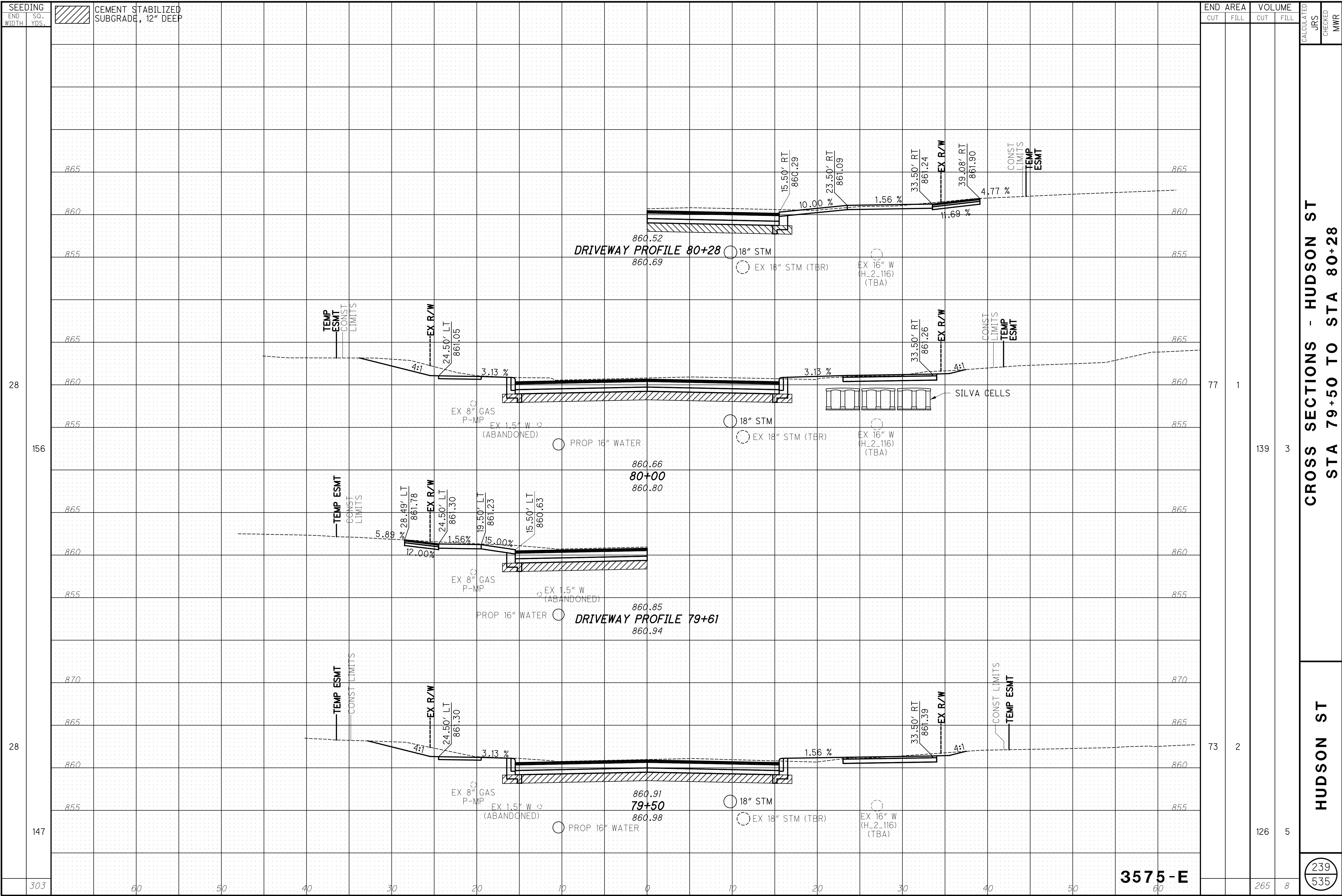


CROSS SECTIONS - HUDSON ST  
 STA 77+09 TO STA 77+92

HUDSON ST

237  
535





CROSS SECTIONS - HUDSON ST  
STA 79+50 TO STA 80+28

HUDSON ST

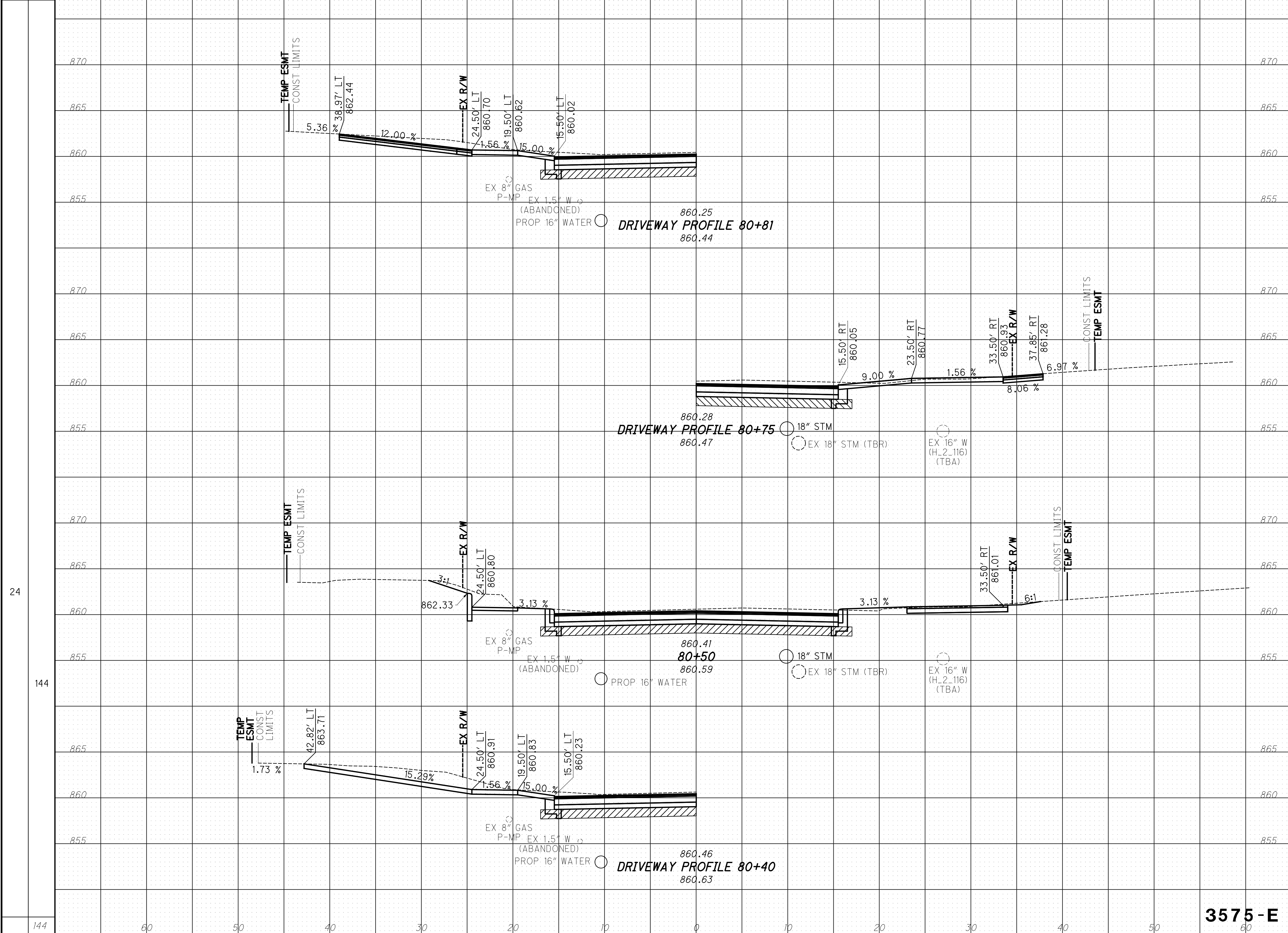
239  
535

3575-E

SEEDING  
END SO. WIDTH YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



24

144

81

1

146

2

3575-E

CROSS SECTIONS - HUDSON ST  
STA 80+40 TO STA 80+81

HUDSON ST

240  
535

144

60

50

40

30

20

10

0

10

20

30

40

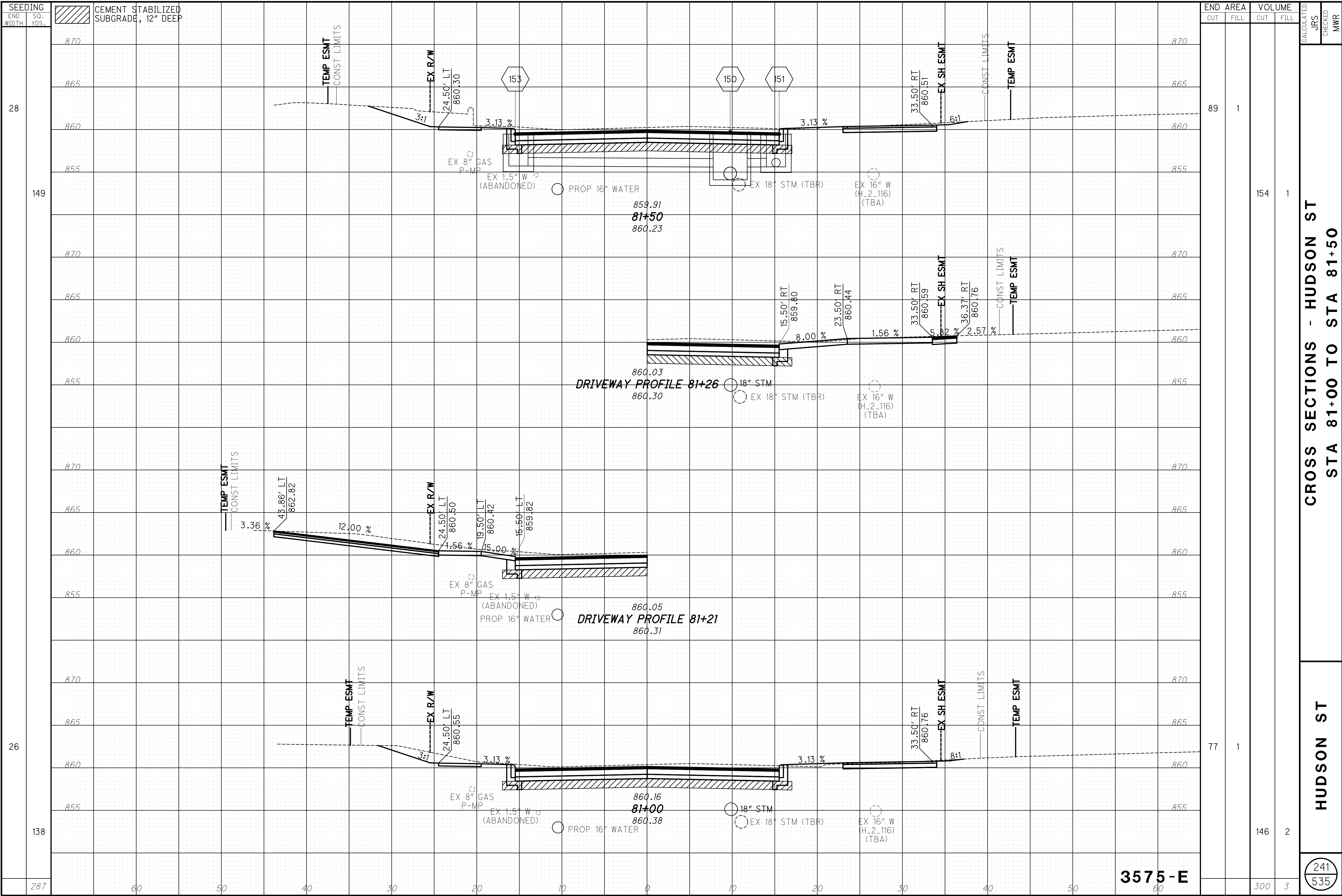
50

60

146

2





CROSS SECTIONS - HUDSON ST  
 STA 81+00 TO STA 81+50

HUDSON ST

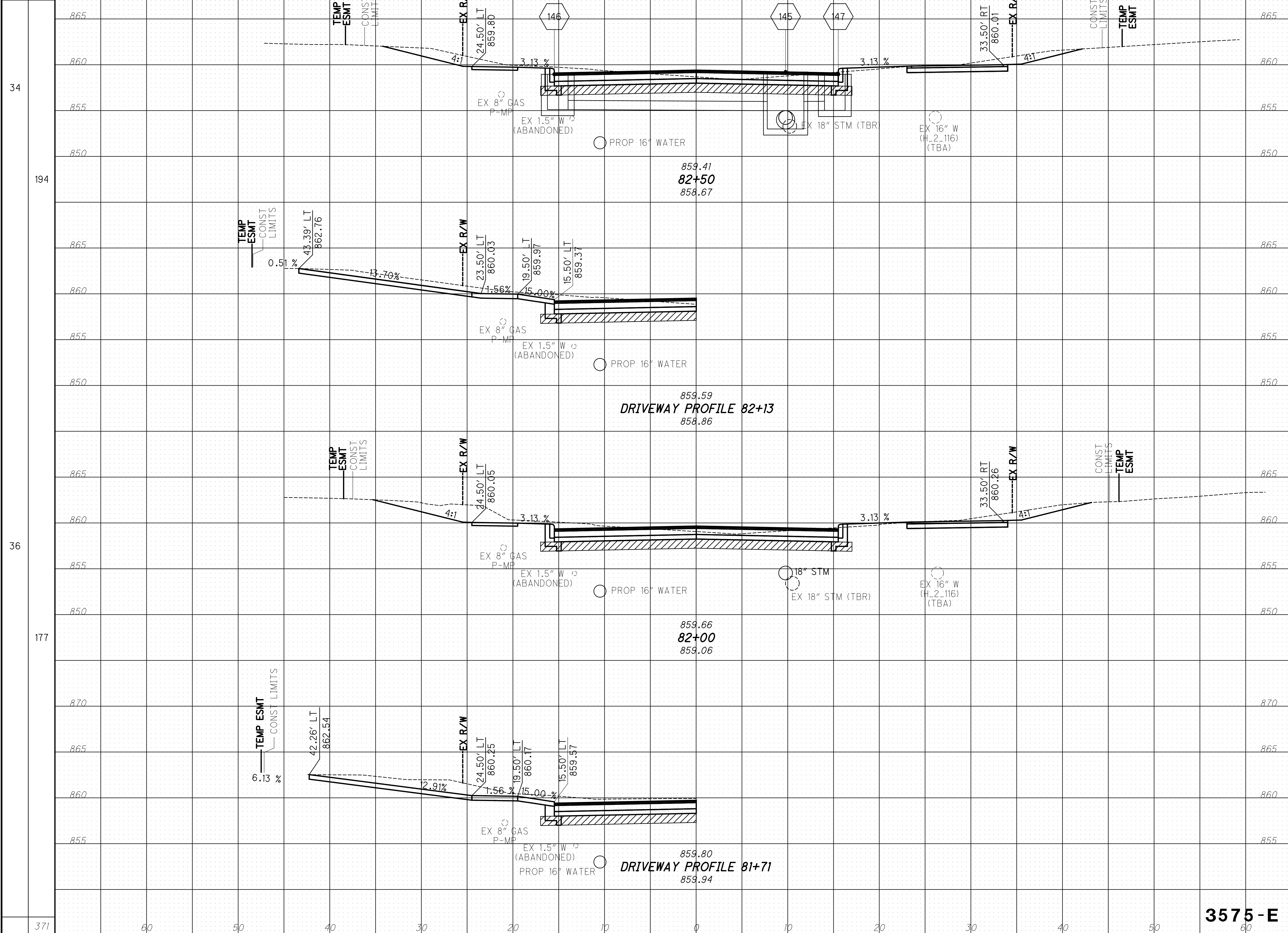
241  
 535

3575-E

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
82+50	67	1	134	2
82+00	78	1	154	2
81+72	60	50	288	4

CROSS SECTIONS - HUDSON ST  
STA 81+72 TO STA 82+50

HUDSON ST

242  
535

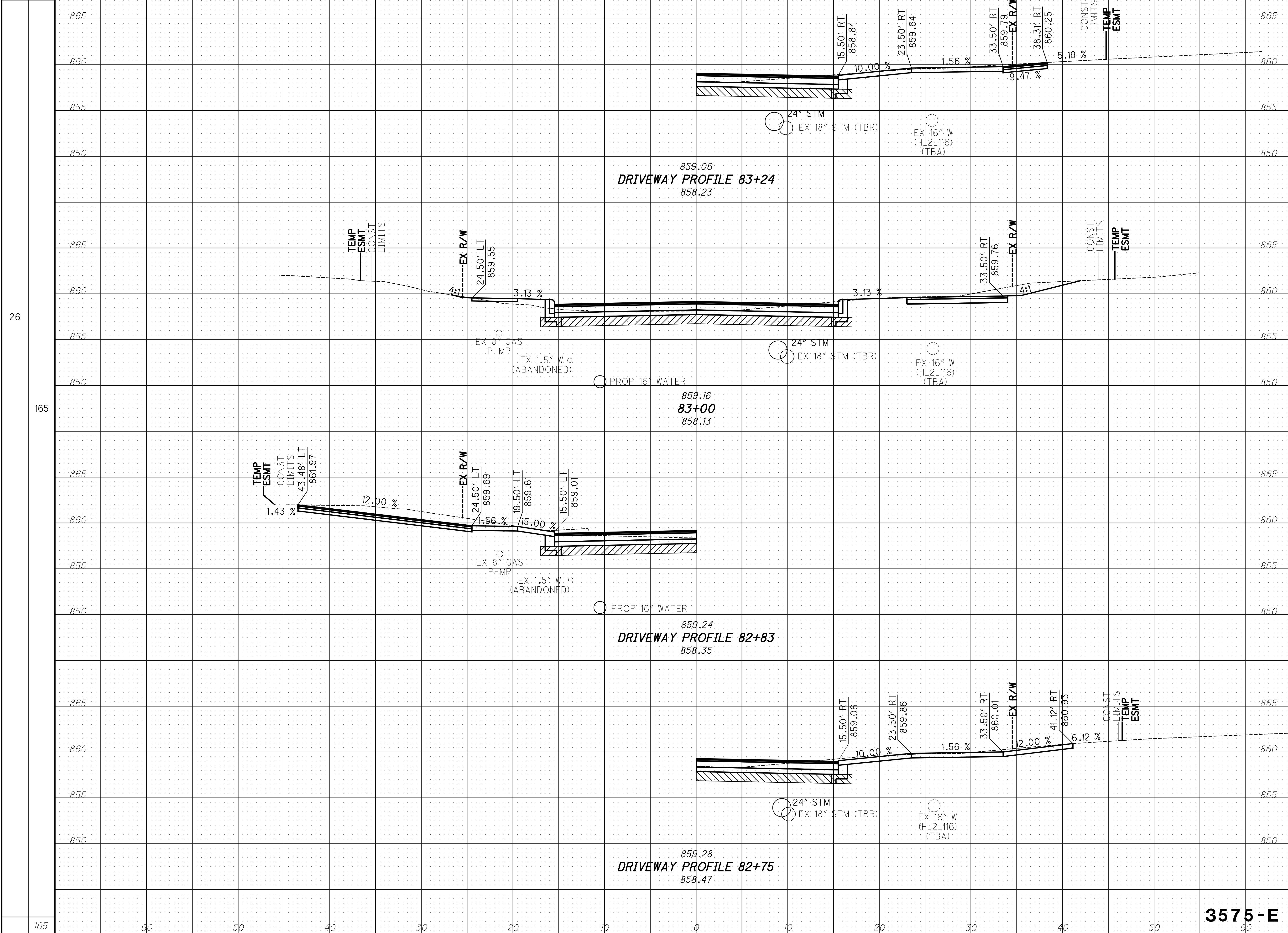
3575-E

34  
194  
36  
177  
371  
60 50 40 30 20 10 0 10 20 30 40 50 60

SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



END AREA	VOLUME	CALCULATED	CHECKED
CUT	FILL	JRS	MWR
45	4		
103	5		

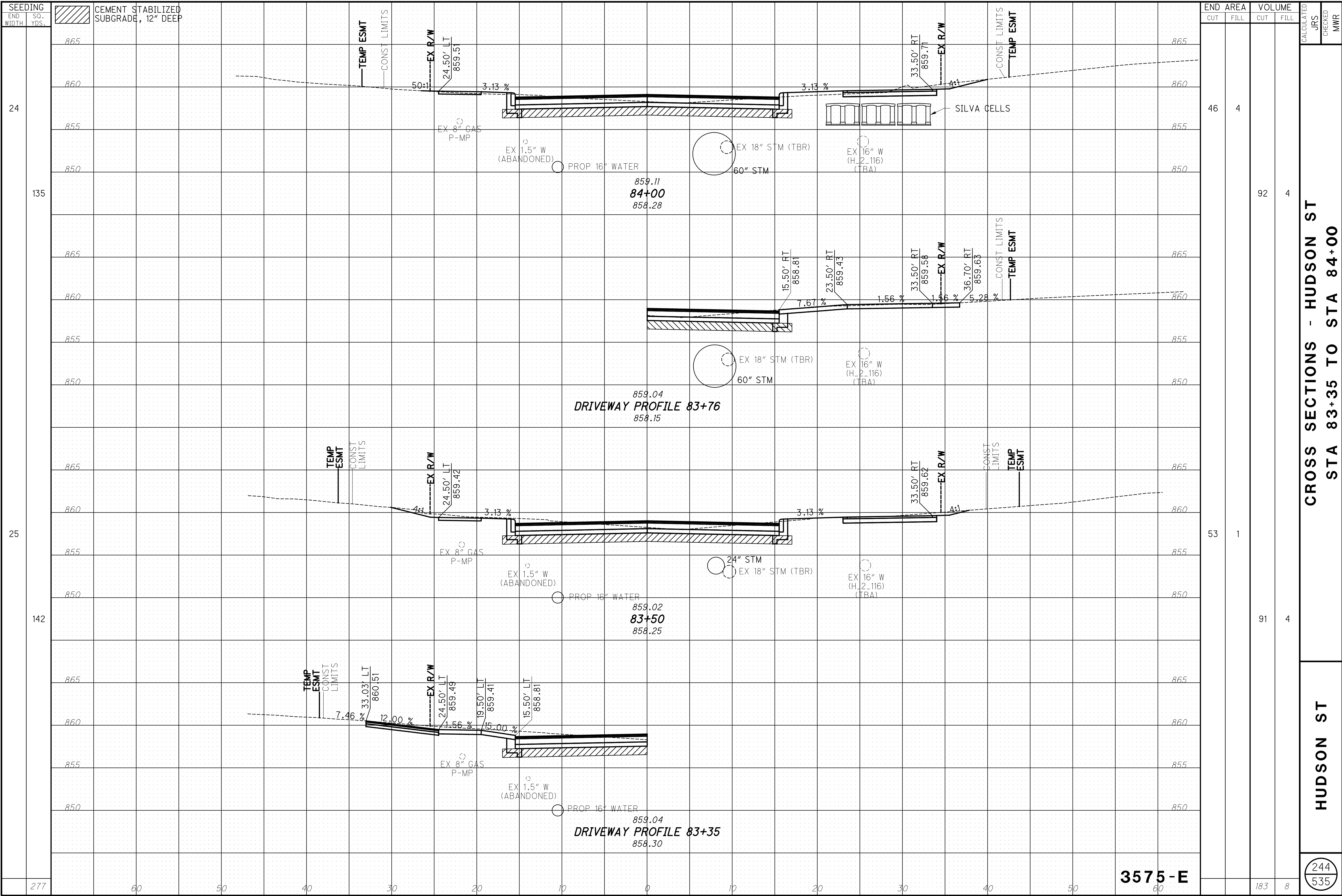
CROSS SECTIONS - HUDSON ST  
STA 82+75 TO STA 83+24

HUDSON ST

243  
535

3575-E

165 60 50 40 30 20 10 0 10 20 30 40 50 60



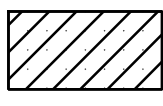
END STA	END AREA		VOLUME		CALCULATED	CHECKED	MWR											
	CUT	FILL	CUT	FILL														
865																		
860																		
855																		
850																		
865																		
860																		
855																		
850																		
865																		
860																		
855																		
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865																		
860																		
855																		
850																		
865																		
860																		
855																		
850																		
865																		
860																		
855																		
850																		
277	60	50	40	30	20	10	0	10	20	30	40	50	60	3575-E				
															183	8		

CROSS SECTIONS - HUDSON ST  
 STA 83+35 TO STA 84+00

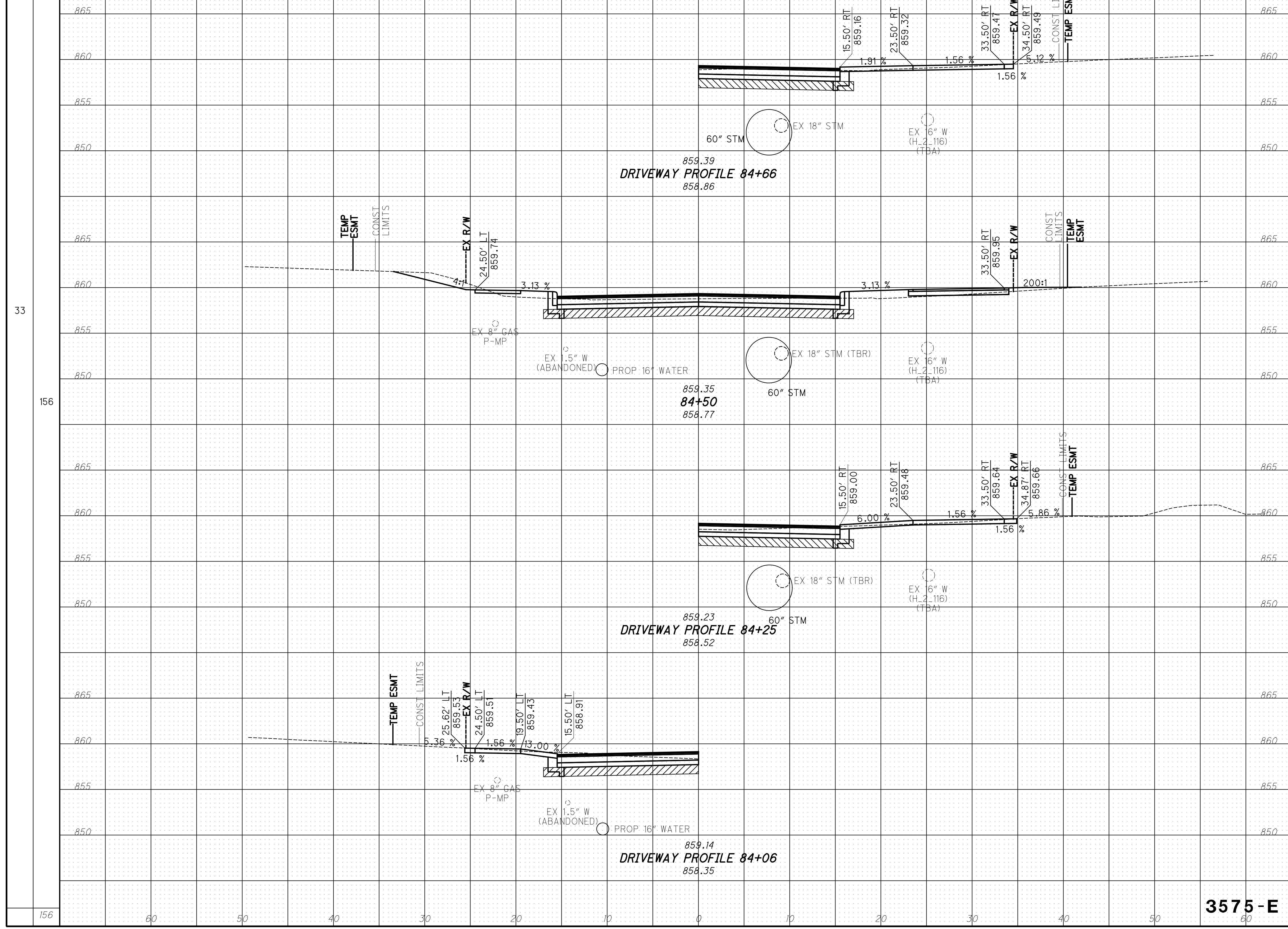
HUDSON ST

244  
 535

SEEDING	SO.
END	YDS.
WIDTH	

 CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA		VOLUME		CALCULATED		
CUT	FILL	CUT	FILL	JRS	CHECKED	MWR



33  
  
156

42  
11

82  
15

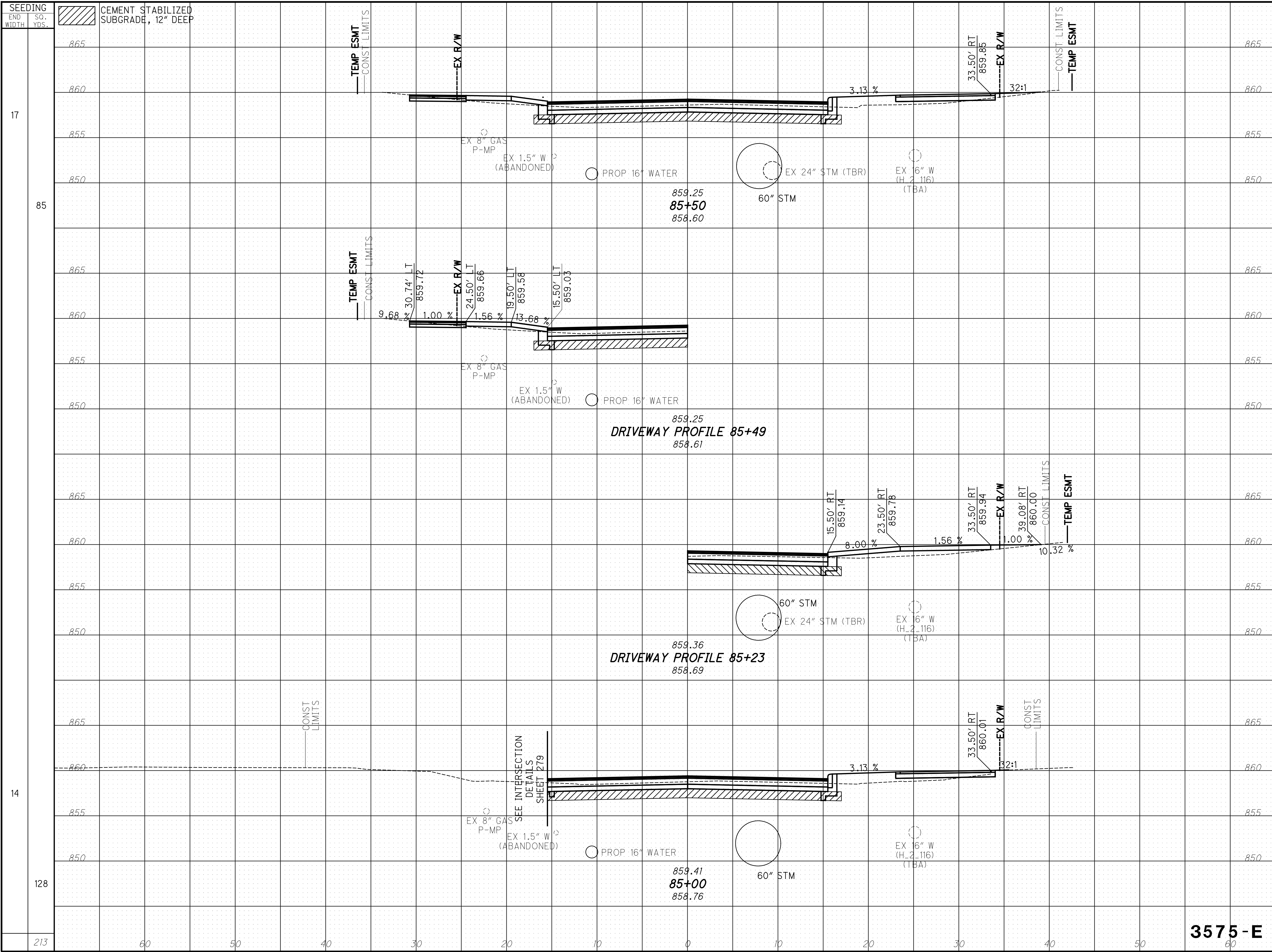
**3575-E**  
60

**CROSS SECTIONS - HUDSON ST**  
**STA 84+06 TO STA 84+66**

**HUDSON ST**

245
535

156	60	50	40	30	20	10	0	10	20	30	40	50	60	82	15
-----	----	----	----	----	----	----	---	----	----	----	----	----	----	----	----



DRIVEWAY PROFILE 85+49  
859.25  
858.60

DRIVEWAY PROFILE 85+23  
859.36  
858.69

859.41  
**85+00**  
858.76

3575-E

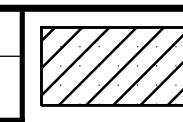
CROSS SECTIONS - HUDSON ST  
STA 85+00 TO STA 85+50

HUDSON ST

246  
535

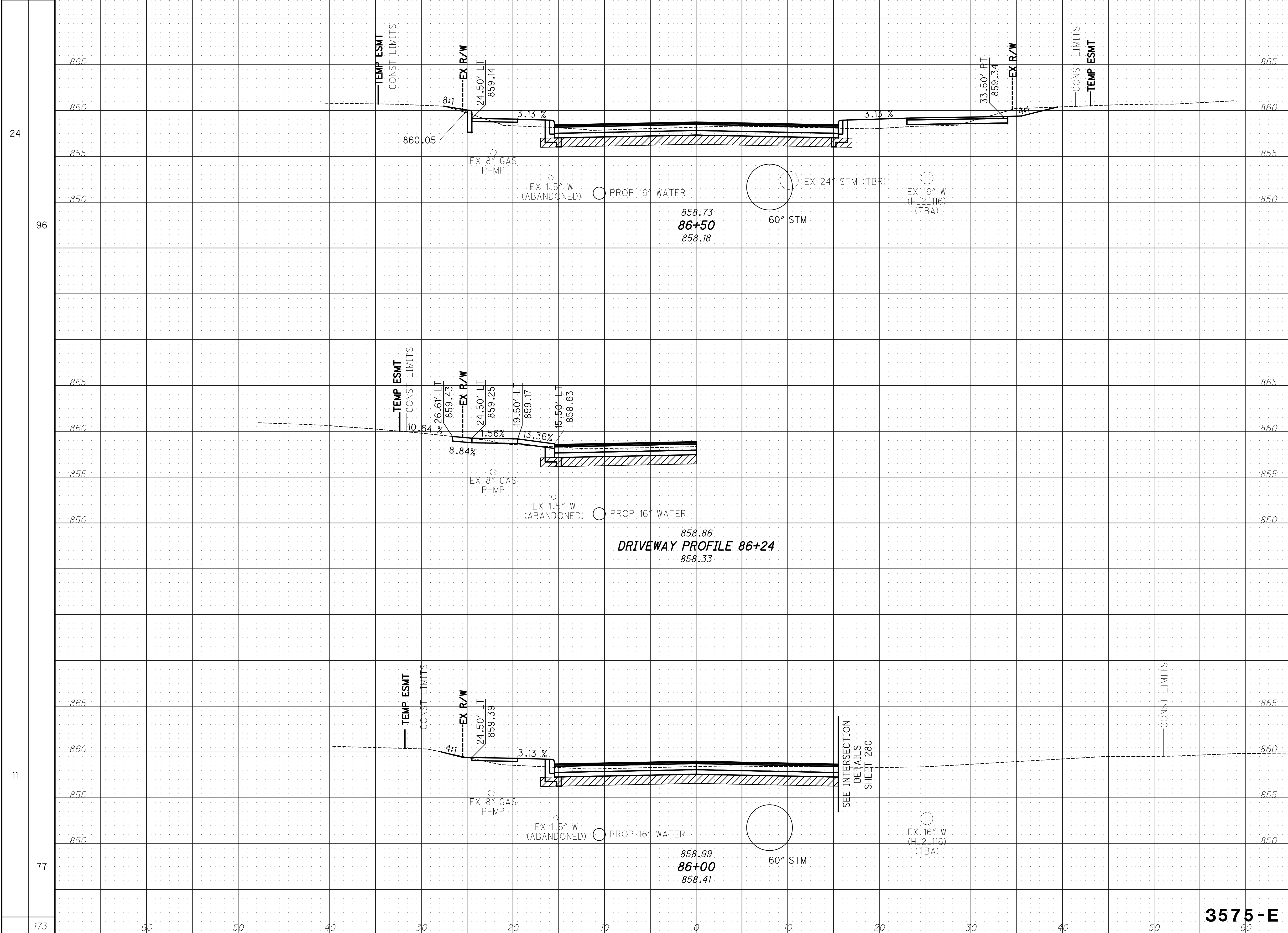
119	39
-----	----

SEEDING  
END SO. WID. YDS.



CEMENT STABILIZED SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED JRS CHECKED MWR



STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
86+50	45	12	71	15
86+24	32	5	60	16
<b>TOTAL</b>	<b>77</b>	<b>17</b>	<b>131</b>	<b>31</b>

CROSS SECTIONS - HUDSON ST  
STA 86+00 TO STA 86+50

HUDSON ST

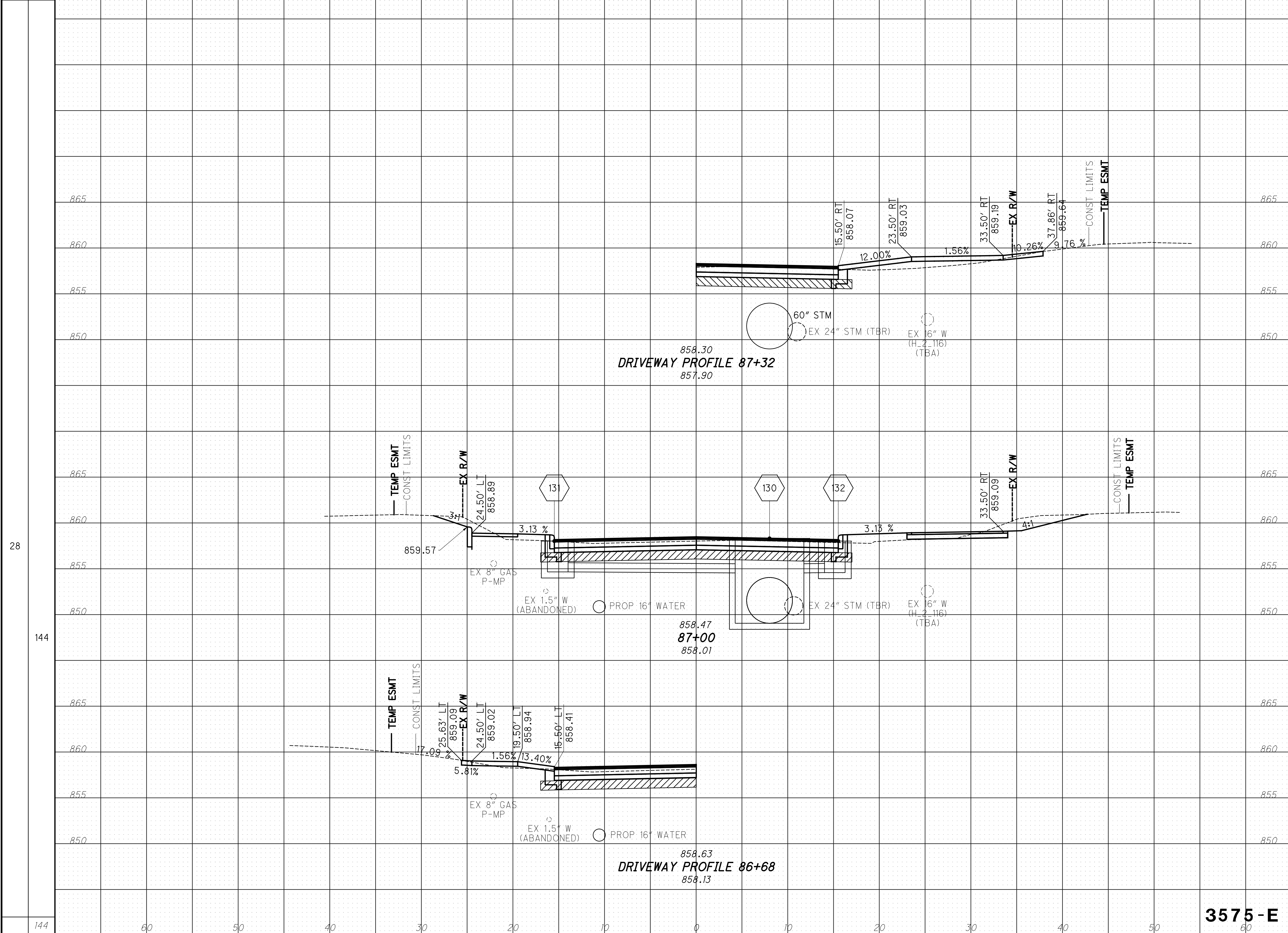
247  
535

3575-E

SEEDING  
END SO.  
WIDTH YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



END AREA		VOLUME	
CUT	FILL	CUT	FILL
57	9	94	19
57	9	94	19

CROSS SECTIONS - HUDSON ST  
STA 86+68 TO STA 87+32

HUDSON ST

248  
535

3575-E

28

144

144

60

50

40

30

20

10

0

10

20

30

40

50

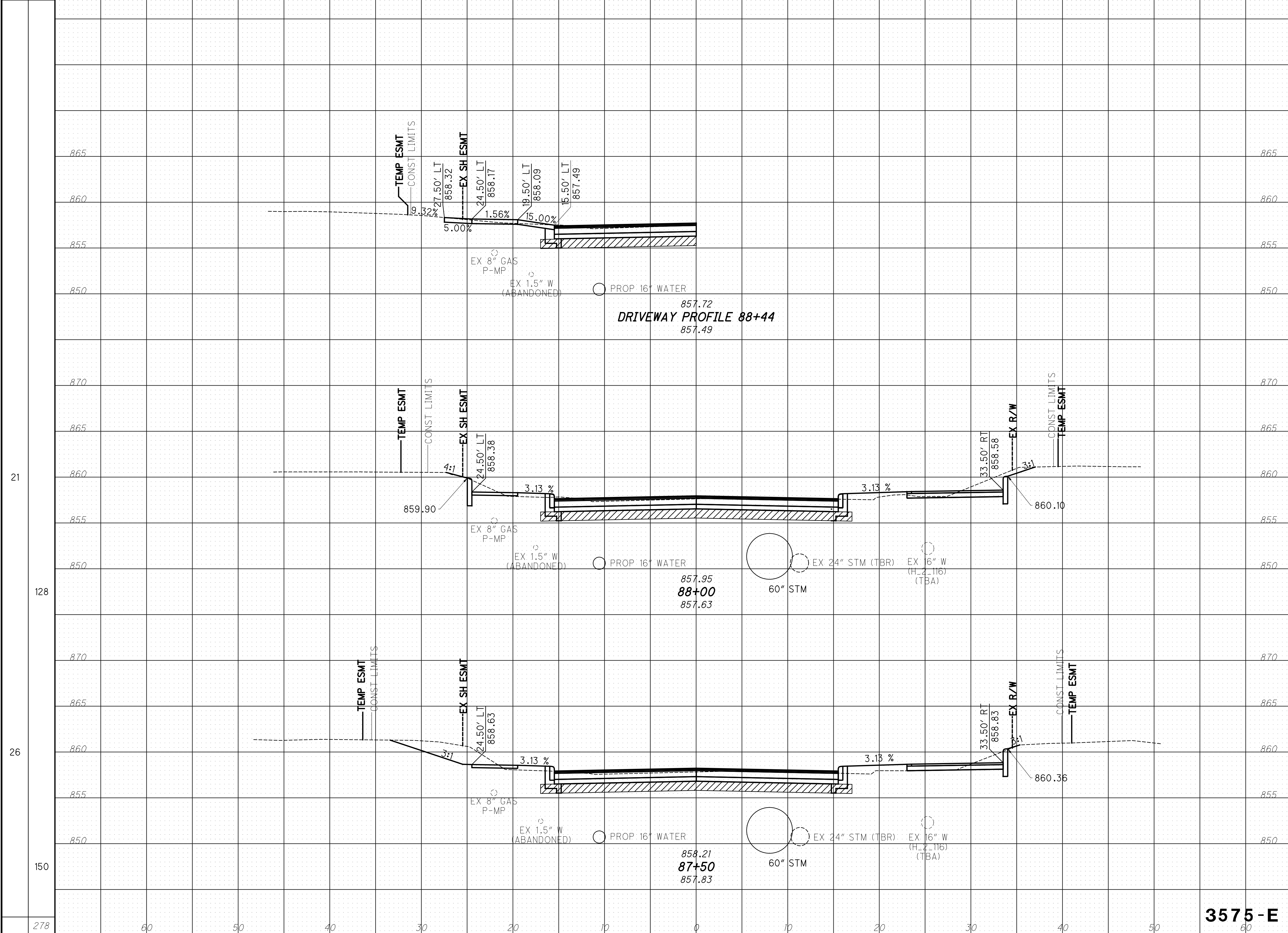
60



SEEDING  
END WIDTH SQ. YDS.

CEMENT STABILIZED  
SUBGRADE, 12" DEEP

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



DRIVEWAY PROFILE 88+44  
857.72  
857.49

857.95  
88+00  
857.63

858.21  
87+50  
857.83

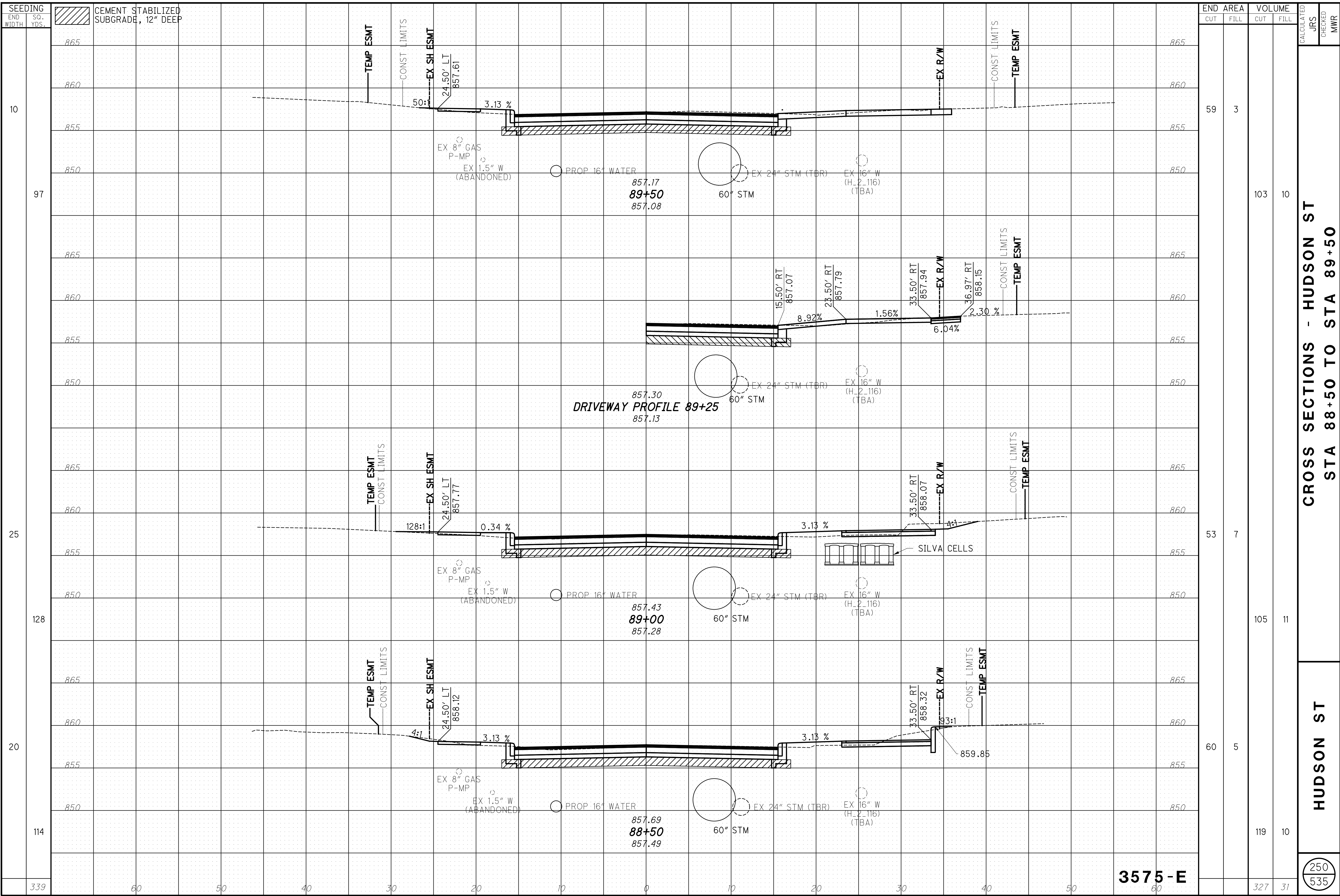
3575-E  
60

STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
865				
860				
855				
850				
870				
865				
860	68	5		
855				
850			122	12
870				
865				
860	64	7		
855				
850			112	15
870				
865				
860				
855				
850				
278	278	60	234	27

CROSS SECTIONS - HUDSON ST  
STA 87+50 TO STA 88+44

HUDSON ST

249  
535

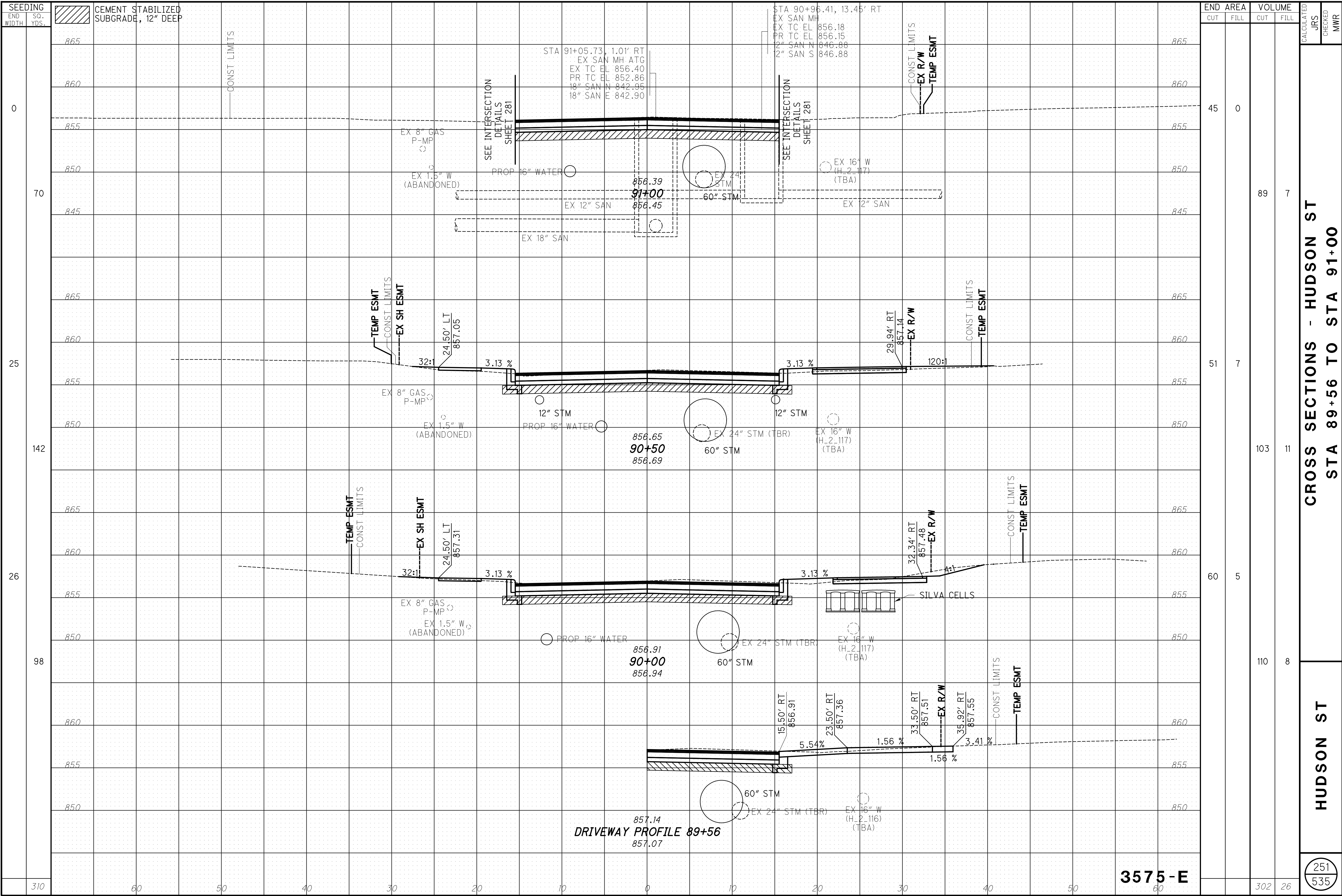


SEEDING	END	
	WIDTH	SO. YDS.
	10	97
	25	128
	20	114
	339	

CUT	FILL	END AREA		VOLUME	
		CUT	FILL	CUT	FILL
59	3				
103	10				
53	7				
105	11				
60	5				
119	10				
327	31				

**CROSS SECTIONS - HUDSON ST**  
**STA 88+50 TO STA 89+50**  
**HUDSON ST**  
 CALCULATED JRS  
 CHECKED MWR  
 250  
 535

**3575-E**



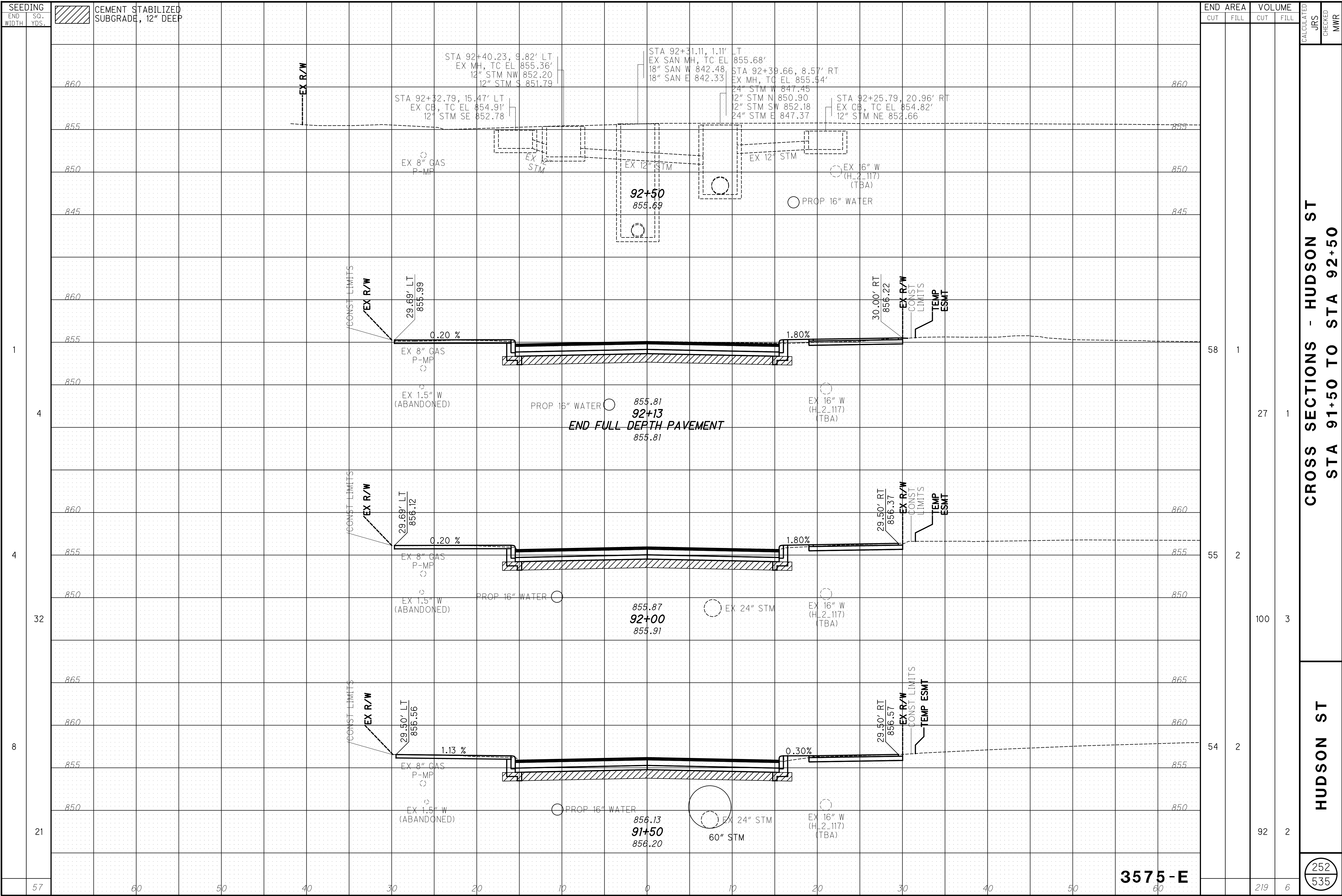
**CROSS SECTIONS - HUDSON ST**  
**STA 89+56 TO STA 91+00**

**HUDSON ST**

CALCULATED  
 JRS  
 CHECKED  
 MWR

**3575-E**

251  
535



3575-E

END STA	END AREA		VOLUME		CALCULATED	CHECKED	MWR
	CUT	FILL	CUT	FILL			
91+50							
92+00	58	1	27	1			
92+50	55	2	100	3			
TOTAL	54	2	92	2			
91+50			219	6			

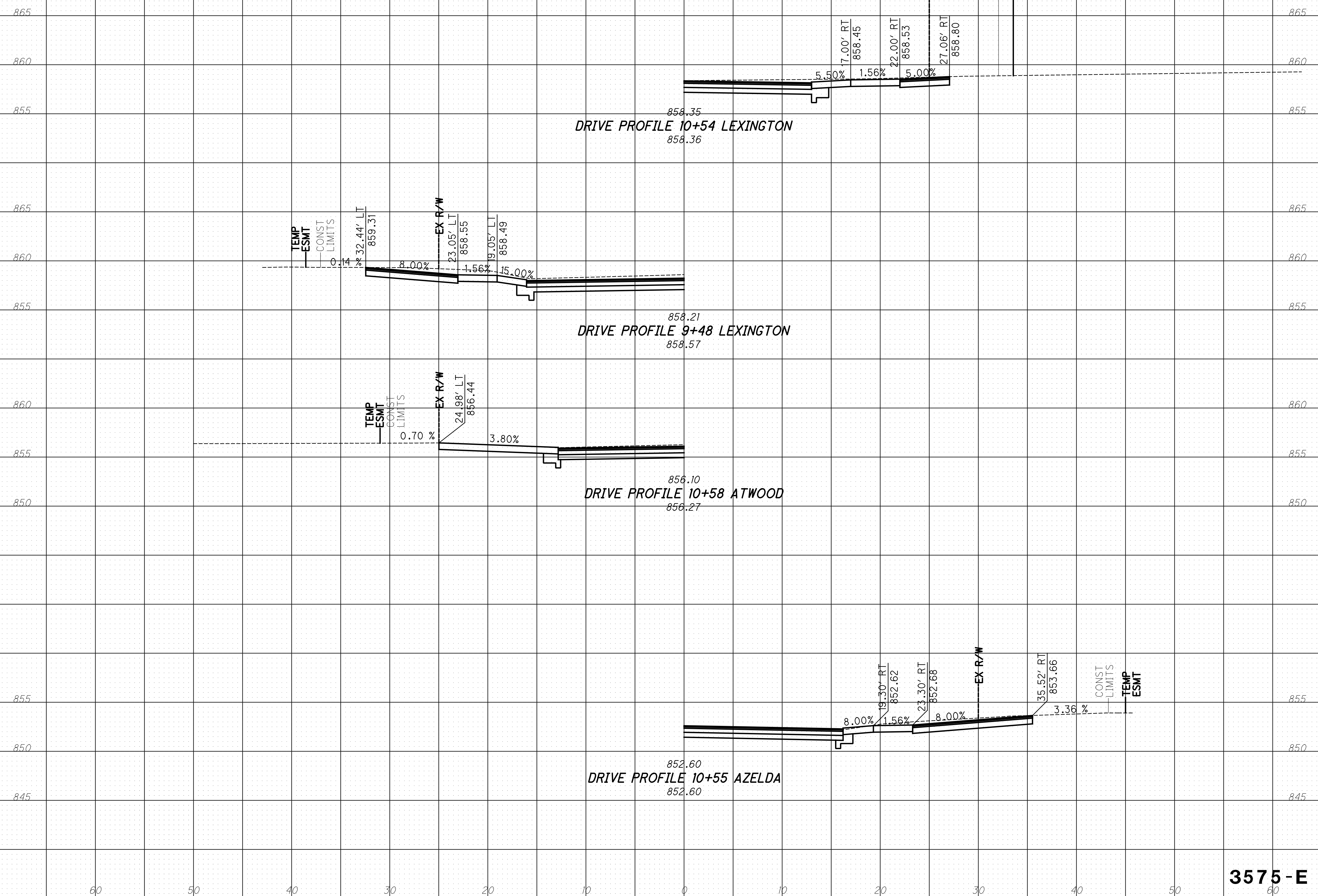
CROSS SECTIONS - HUDSON ST  
STA 91+50 TO STA 92+50

HUDSON ST

252  
535

SEEDING  
END WIDTH SQ. YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JRS  
CHECKED  
MWR



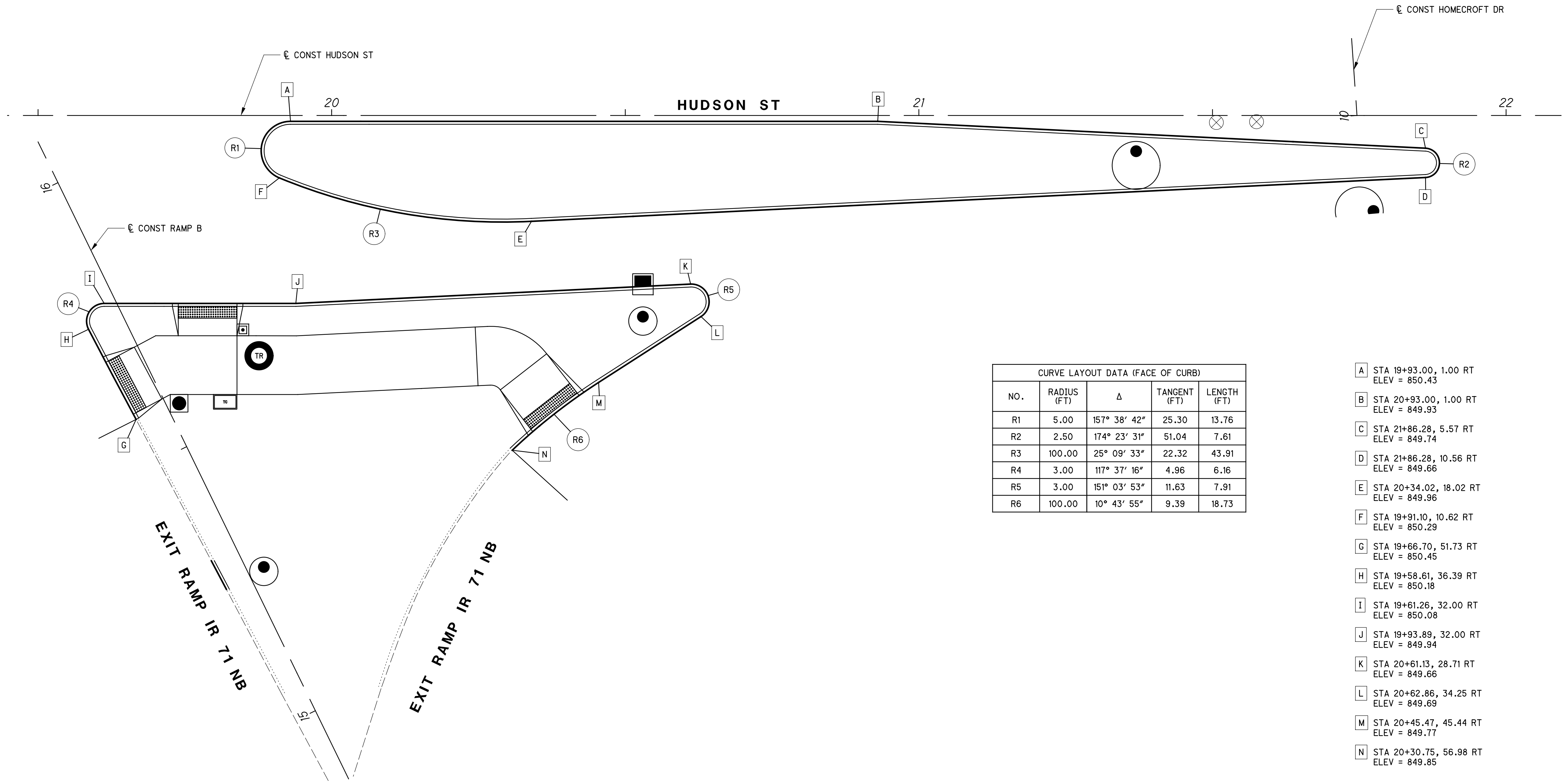
CROSS SECTIONS  
SIDE STREET DRIVES

HUDSON ST

3575-E

253  
535

isoltasz 10/5/2021 10:05:03 AM  
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CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R1	5.00	157° 38' 42"	25.30	13.76
R2	2.50	174° 23' 31"	51.04	7.61
R3	100.00	25° 09' 33"	22.32	43.91
R4	3.00	117° 37' 16"	4.96	6.16
R5	3.00	151° 03' 53"	11.63	7.91
R6	100.00	10° 43' 55"	9.39	18.73

- A STA 19+93.00, 1.00 RT  
ELEV = 850.43
- B STA 20+93.00, 1.00 RT  
ELEV = 849.93
- C STA 21+86.28, 5.57 RT  
ELEV = 849.74
- D STA 21+86.28, 10.56 RT  
ELEV = 849.66
- E STA 20+34.02, 18.02 RT  
ELEV = 849.96
- F STA 19+91.10, 10.62 RT  
ELEV = 850.29
- G STA 19+66.70, 51.73 RT  
ELEV = 850.45
- H STA 19+58.61, 36.39 RT  
ELEV = 850.18
- I STA 19+61.26, 32.00 RT  
ELEV = 850.08
- J STA 19+93.89, 32.00 RT  
ELEV = 849.94
- K STA 20+61.13, 28.71 RT  
ELEV = 849.66
- L STA 20+62.86, 34.25 RT  
ELEV = 849.69
- M STA 20+45.47, 45.44 RT  
ELEV = 849.77
- N STA 20+30.75, 56.98 RT  
ELEV = 849.85

CALCULATED  
 JRS  
 CHECKED  
 MWR

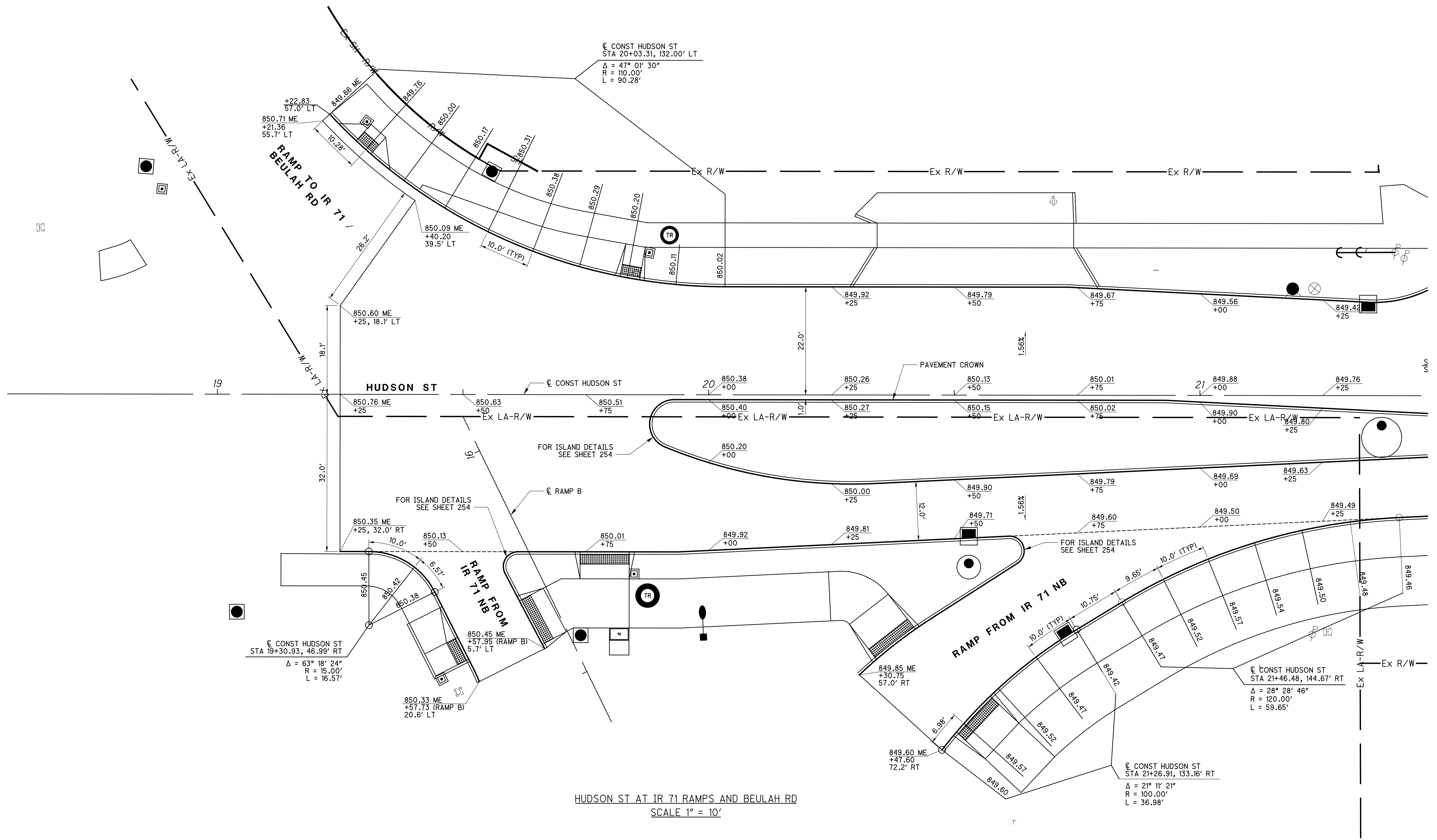
0 10 20  
 5  
 HORIZONTAL  
 SCALE IN FEET

ISLAND DETAILS  
 HUDSON ST

HUDSON ST

isoltasz 10/5/2021 10:05:04 AM  
 \\01\2018\02392\C.Design\02392\_Hudson\Design\Roadway\Sheets\02392\_G1001.dgn

NOTE: RADIUS RETURN ELEVATIONS ARE AT  
 EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
 CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT  
 UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.  
 SEE SHEET 256 FOR CURB RAMP DETAILS



HUDSON ST AT IR 71 RAMPS AND BEULAH RD  
 SCALE 1" = 10'

CALCULATED JRS  
 CHECKED MWR

INTERSECTION DETAILS  
 HUDSON ST AT IR 71 RAMPS & BEULAH RD

HUDSON ST



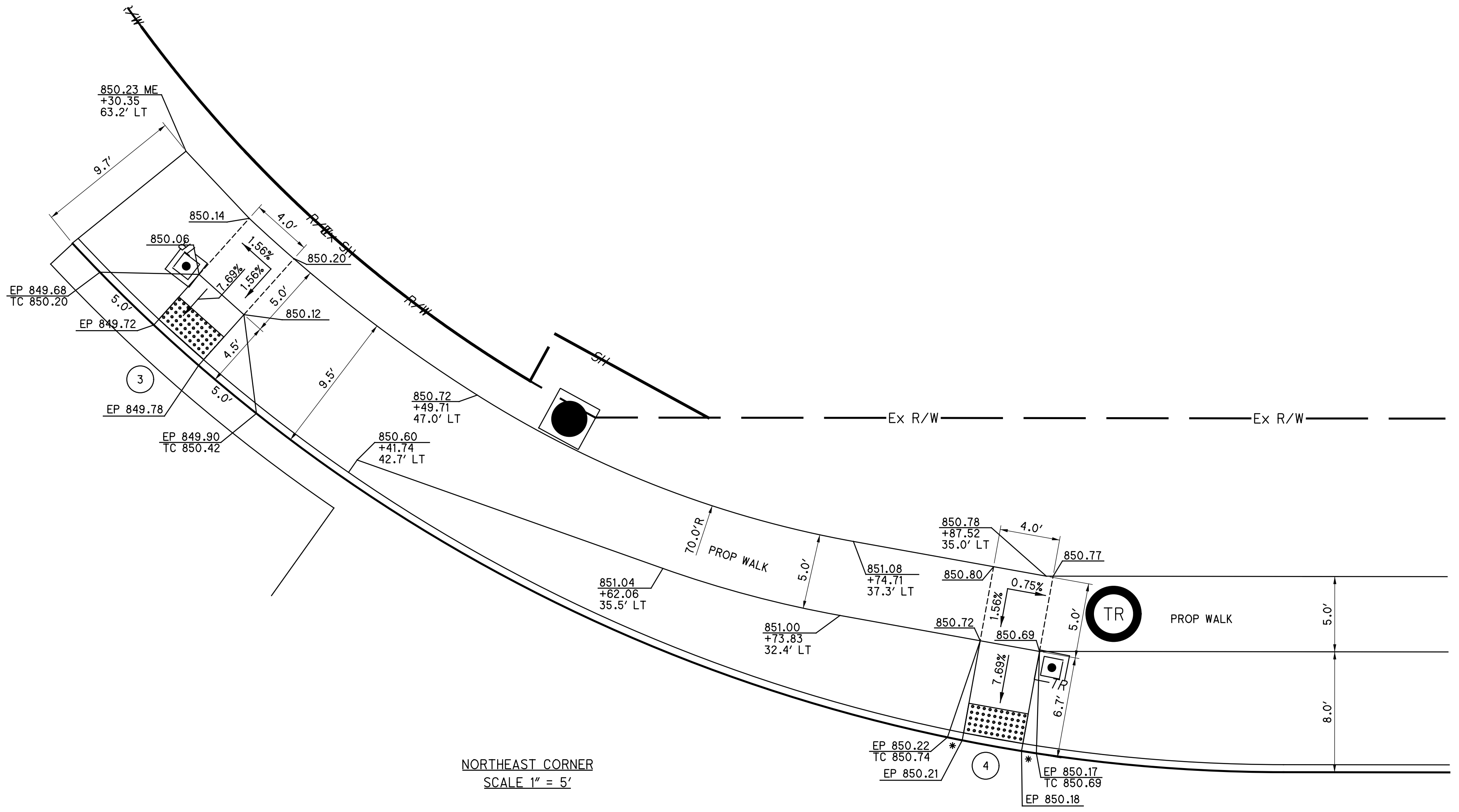
0 5 10  
2.5  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
JRS  
CHECKED  
MWR

CURB RAMP DETAILS  
HUDSON ST AT IR 71 RAMPS & BEULAH RD

HUDSON ST

256  
535



NORTHEAST CORNER  
SCALE 1" = 5'

CURB RAMP CENTERLINES

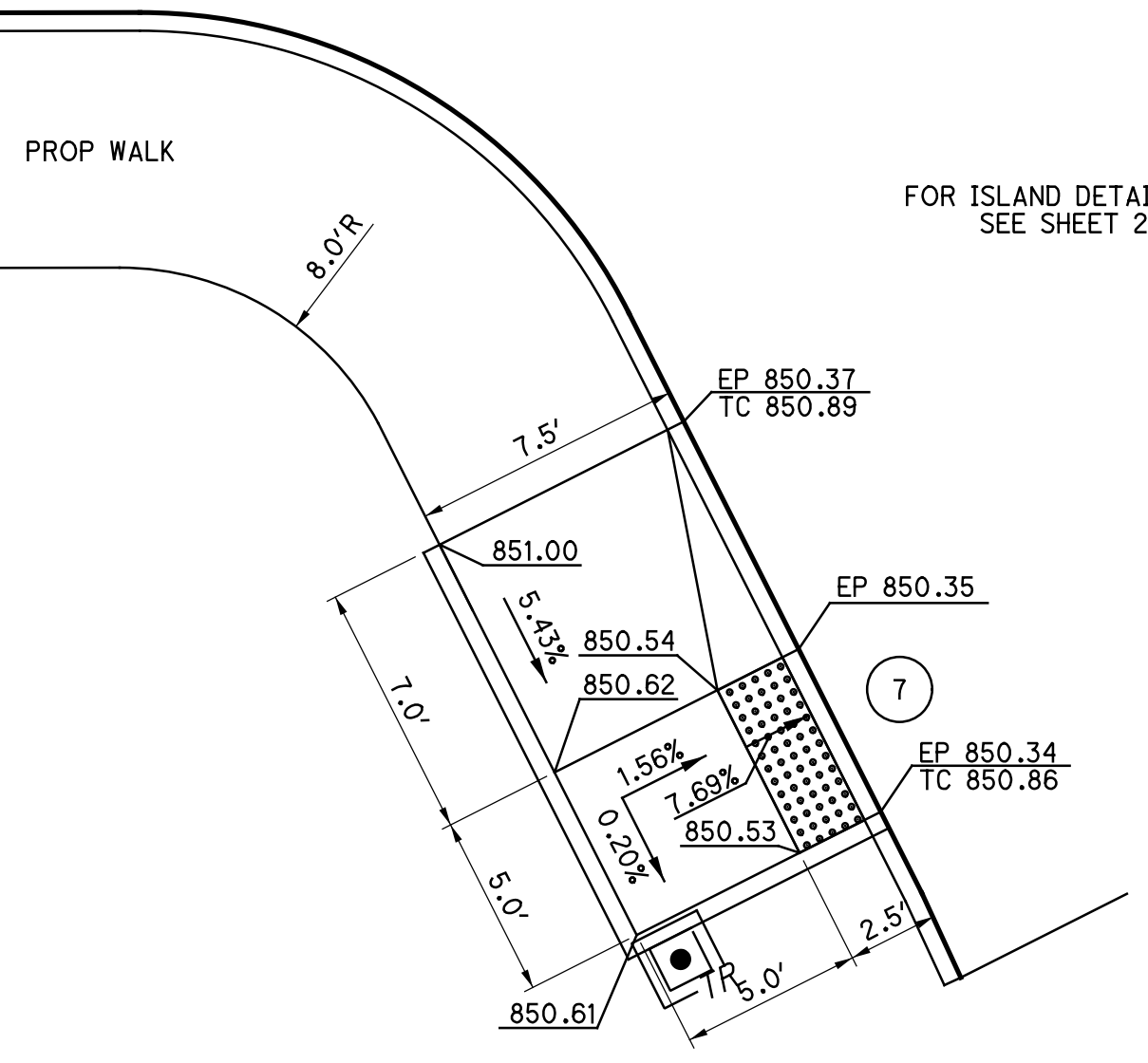
- 3 STA 19+29.69, 50.3' LT
- 4 STA 19+83.92, 23.7' LT
- 5.6 STA 20+53.88, 64.8' RT
- m5.6 STA 20+38.12, 50.6' RT
- 5b STA 19+78.89, 32.0' RT
- 6b STA 19+63.88, 46.4' RT
- 7 STA 19+50.11, 51.7' RT

LEGEND

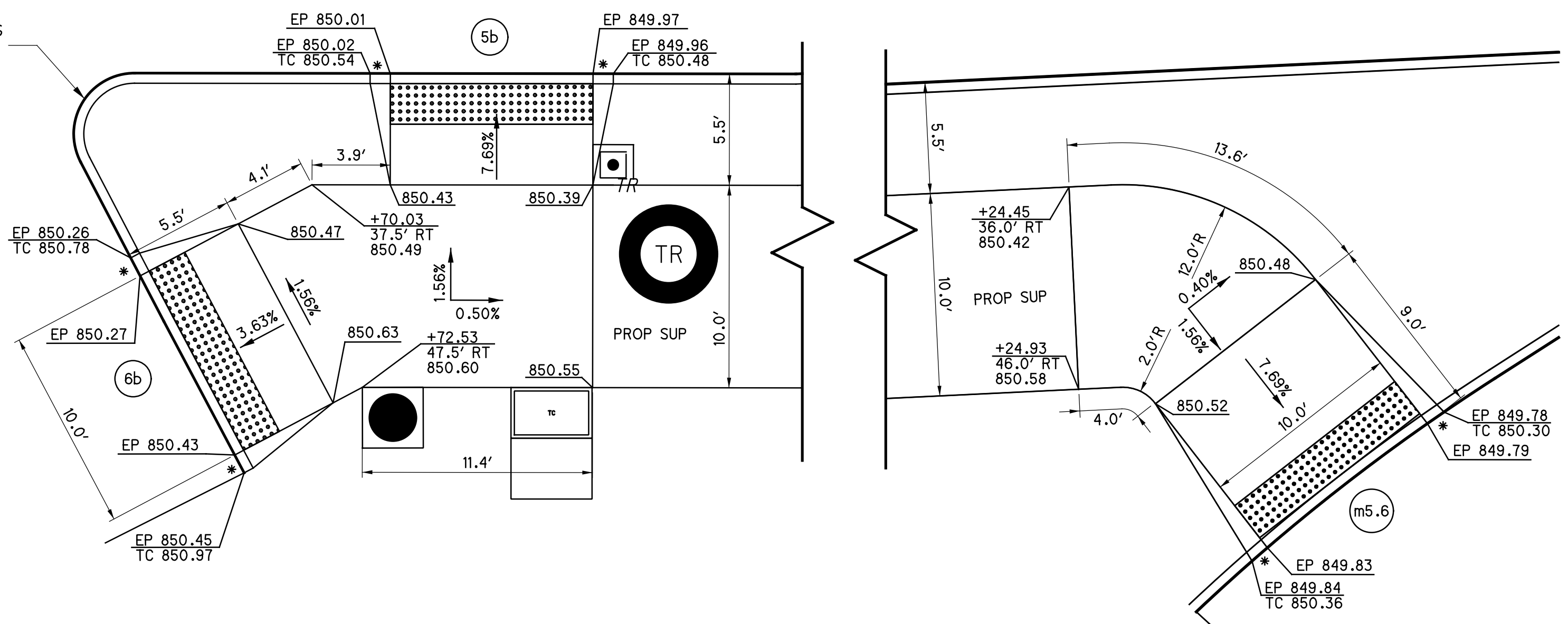
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- \* = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

SEE SHEET 255 FOR INTERSECTION DETAILS

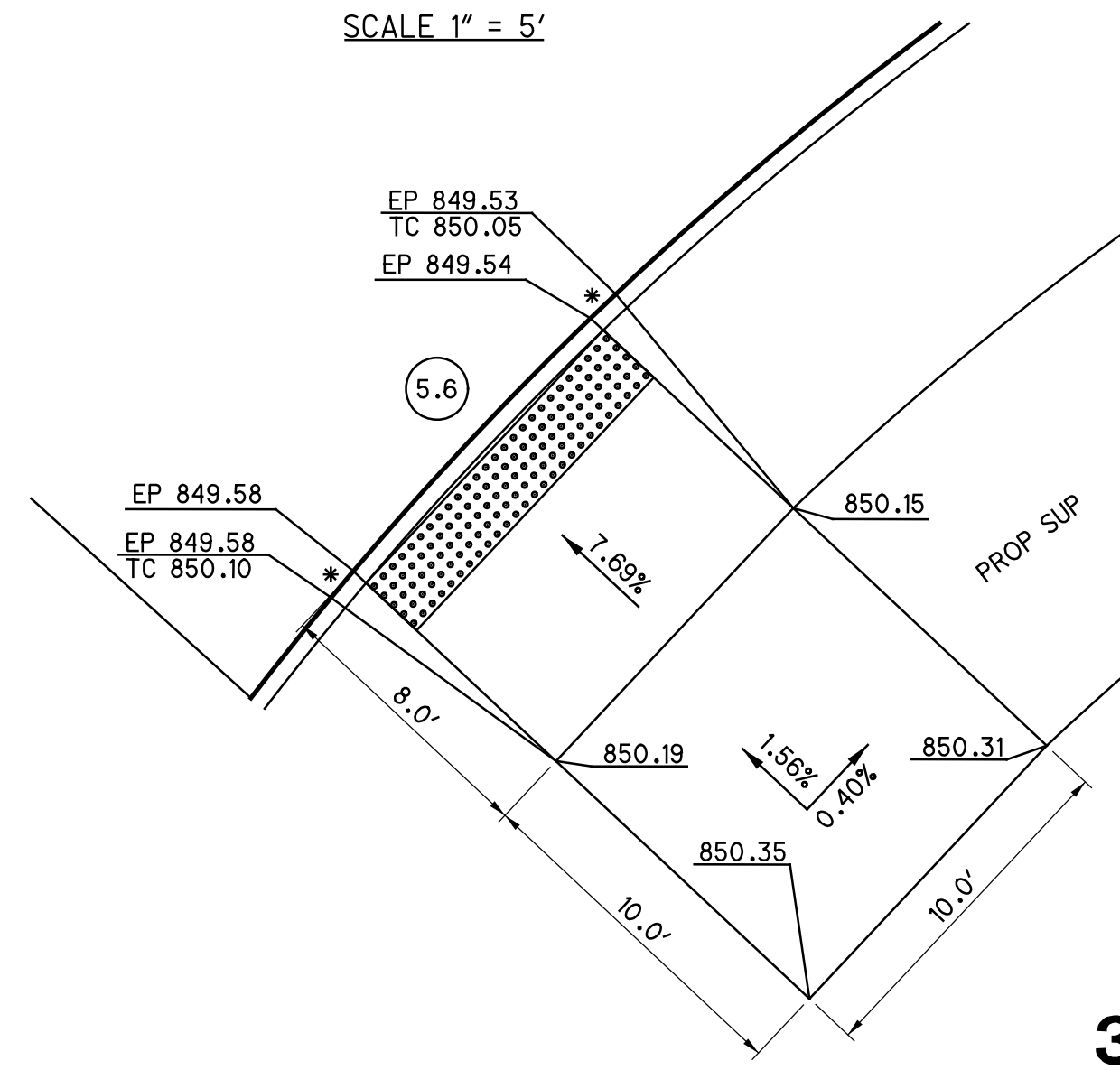
SOUTHWEST CORNER  
SCALE 1" = 5'



SOUTHEAST CORNER - ISLAND  
SCALE 1" = 5'



SOUTHEAST CORNER  
SCALE 1" = 5'

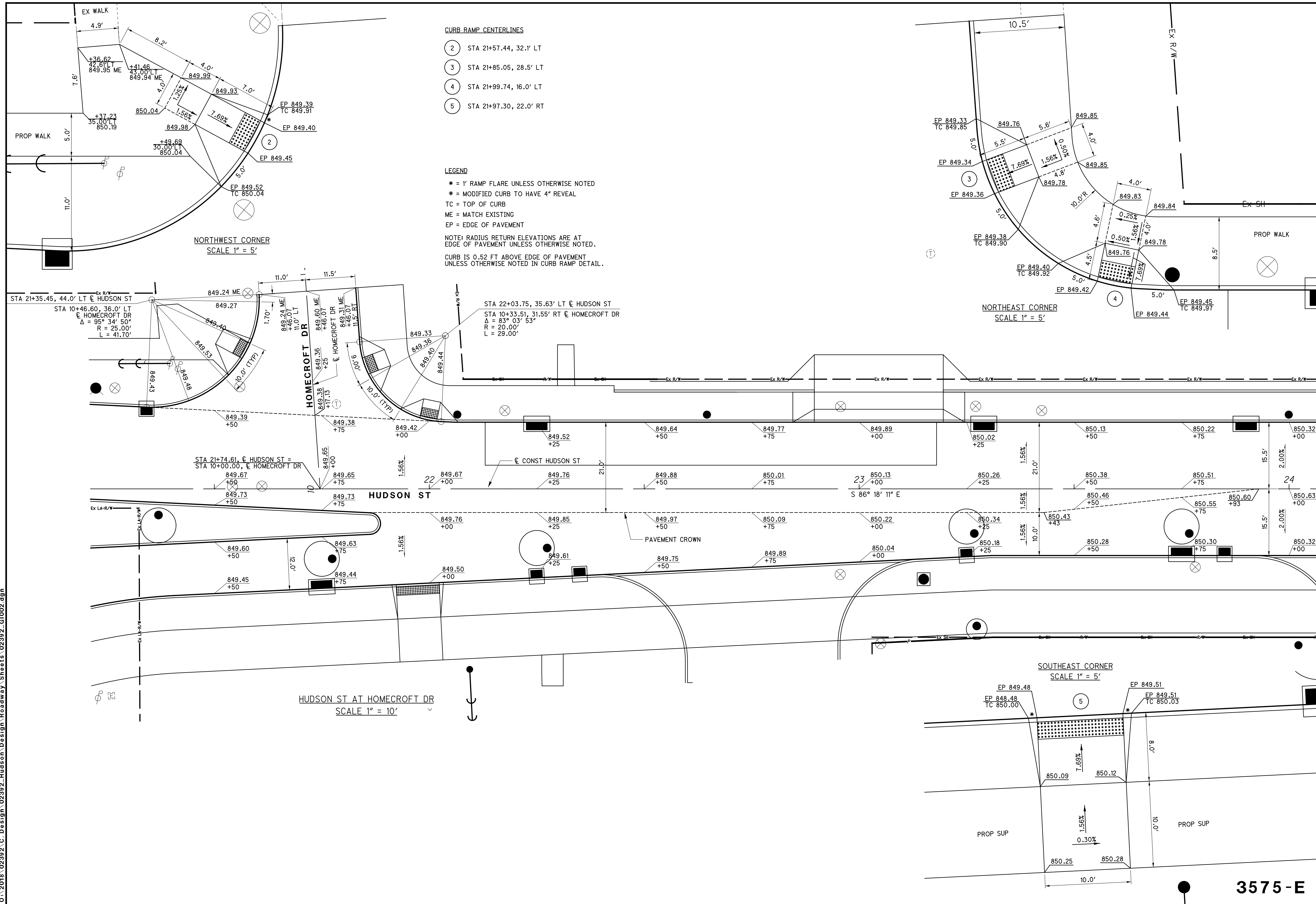


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10/5/2021 10:05:05 AM  
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3575-E



isoltasz 10/5/2021 10:05:06 AM  
 V:\01\2018\02392\C.Design\02392\_Hudson\Roadway\Sheets\02392\_Hudson\Design\02392\_G1002.dgn



- CURB RAMP CENTERLINES**
- ② STA 21+57.44, 32.1' LT
  - ③ STA 21+85.05, 28.5' LT
  - ④ STA 21+99.74, 16.0' LT
  - ⑤ STA 21+97.30, 22.0' RT

**LEGEND**

- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.

CALCULATED JRS  
 CHECKED MWR

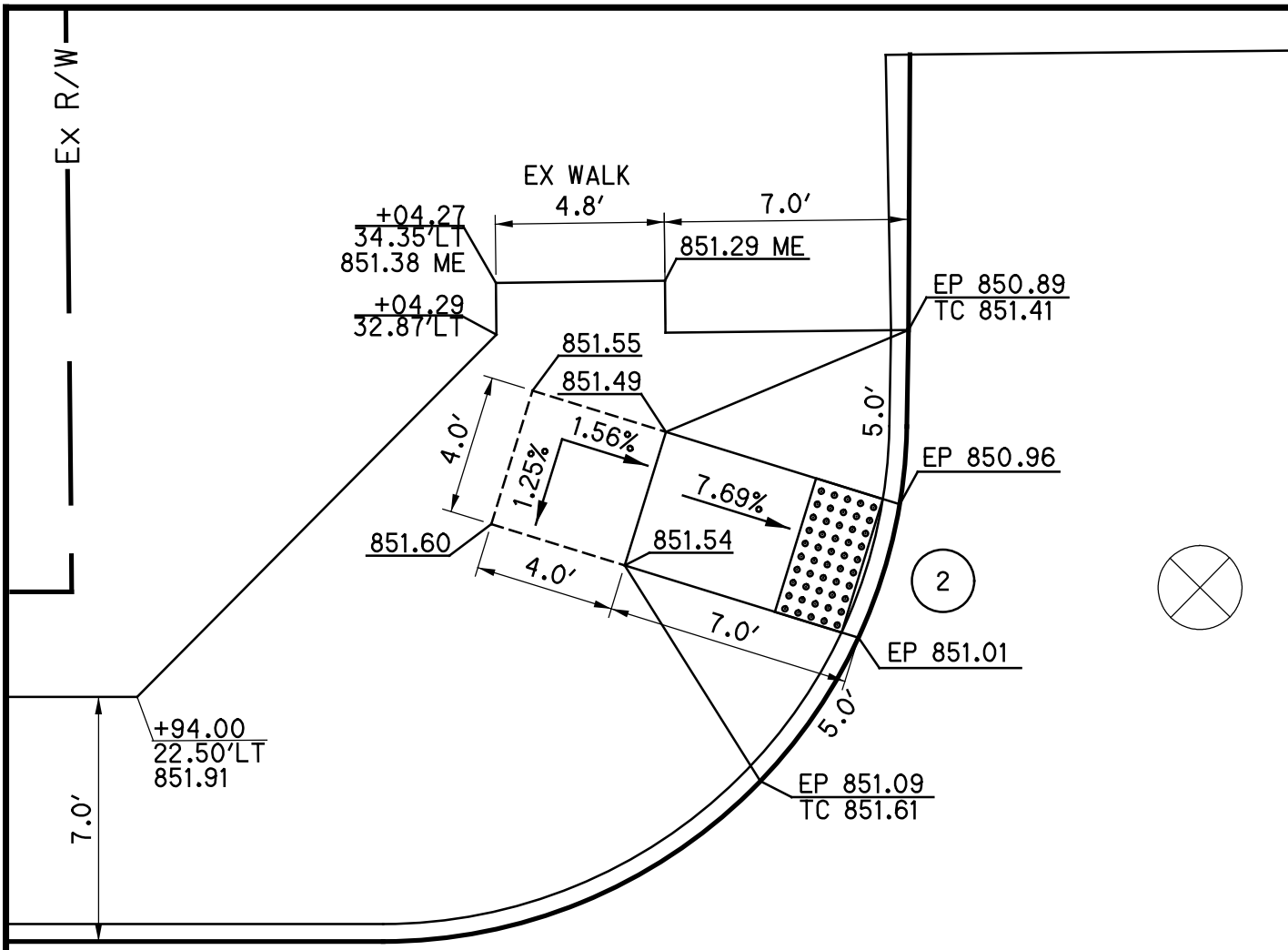
0 5 10  
 2.5' HORIZONTAL SCALE IN FEET

**INTERSECTION & CURB RAMP DETAILS  
 HUDSON ST AT HOMECROFT DR**

**HUDSON ST**

3575-E

isoltasz 10/05/2021 10:05:06 AM  
 10/05/2021 10:05/2021  
 \\01\2018\02392\C.Design\02392\_Hudson\Design\Roadway\Sheets\02392\_G1003.dgn



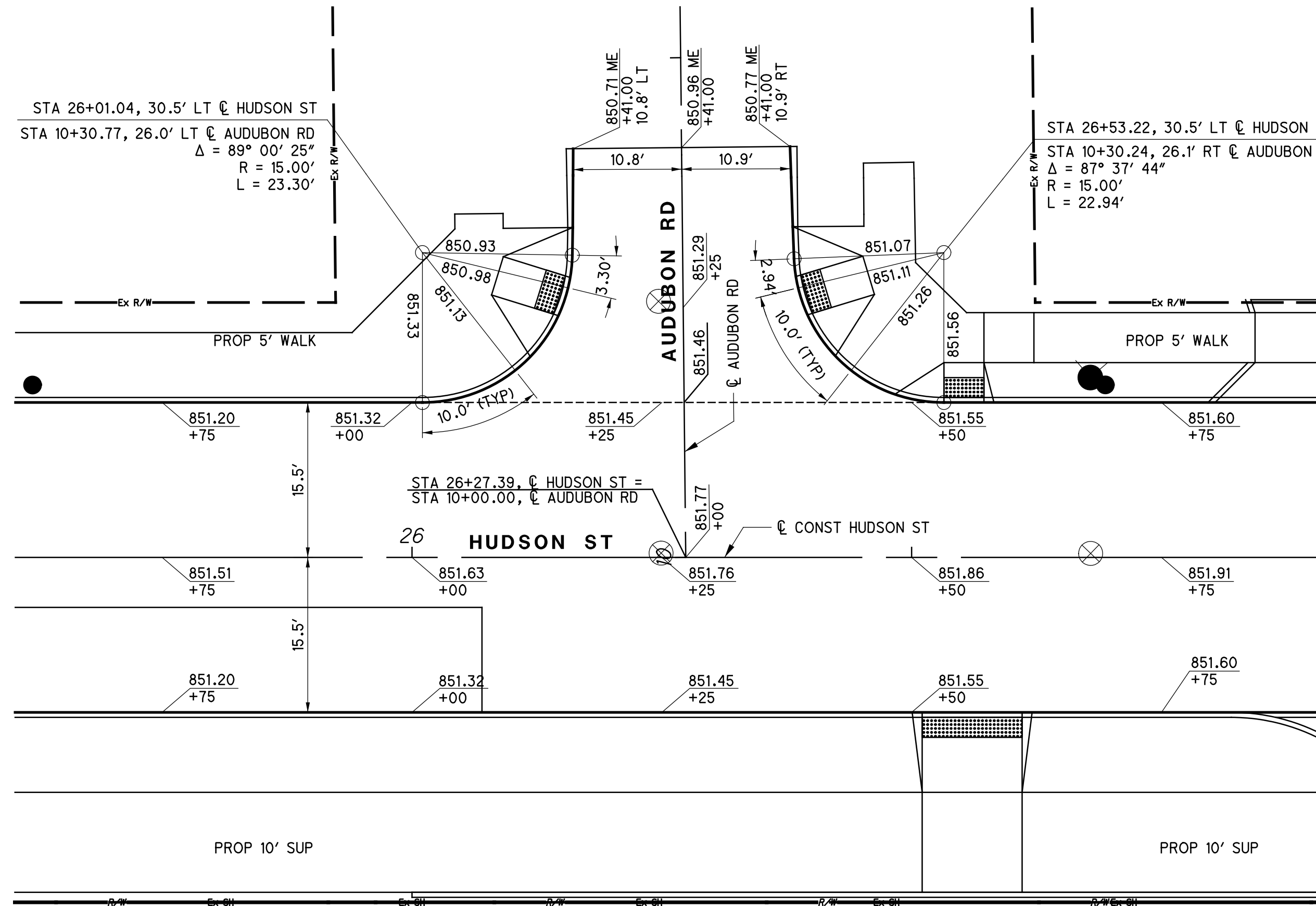
NORTHWEST CORNER  
SCALE 1" = 5'

CURB RAMP CENTERLINES

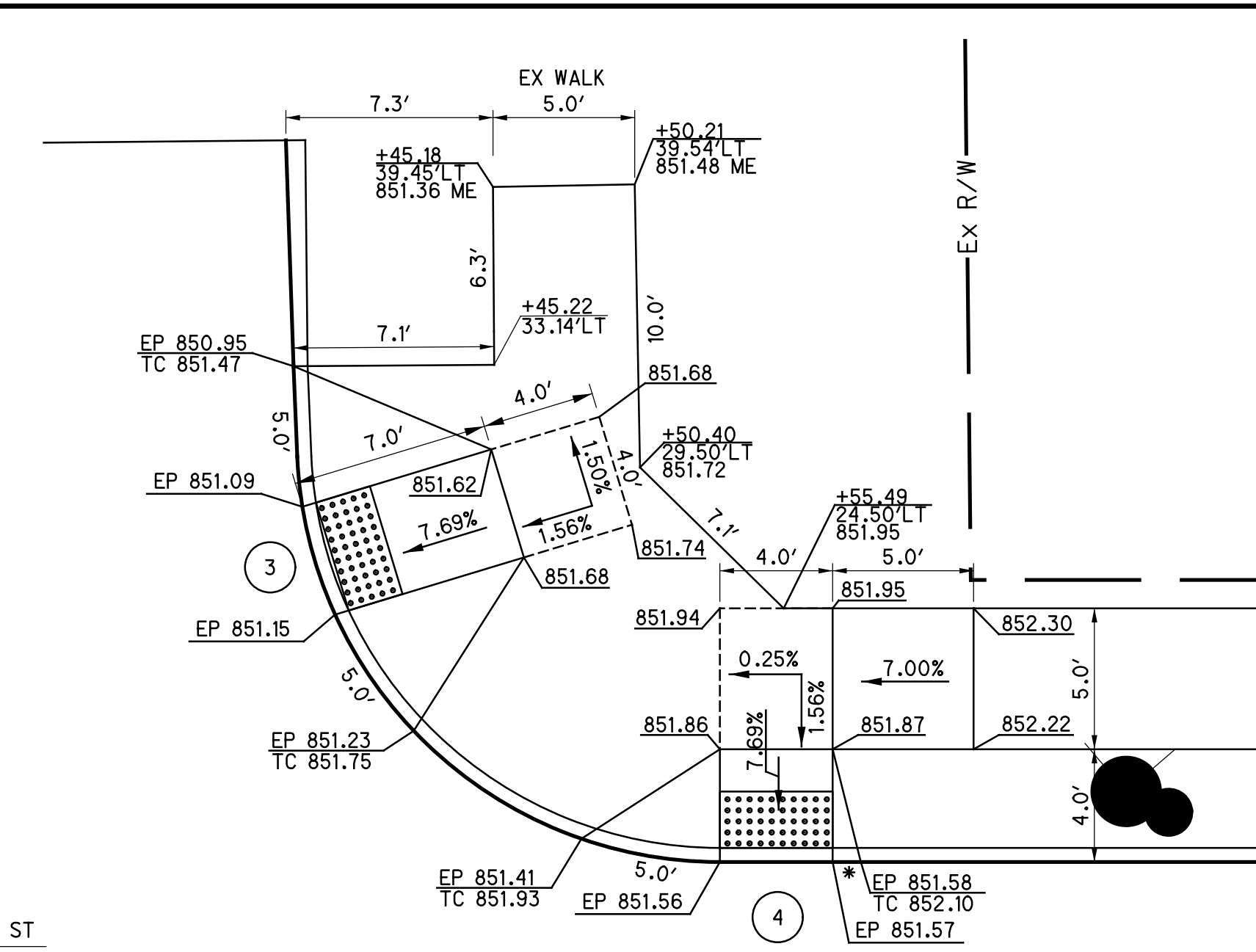
- ② STA 26+15.37, 26.1' LT
- ③ STA 26+38.87, 26.2' LT
- ④ STA 26+55.23, 15.5' LT
- ⑤ STA 26+56.05, 15.5' RT

LEGEND

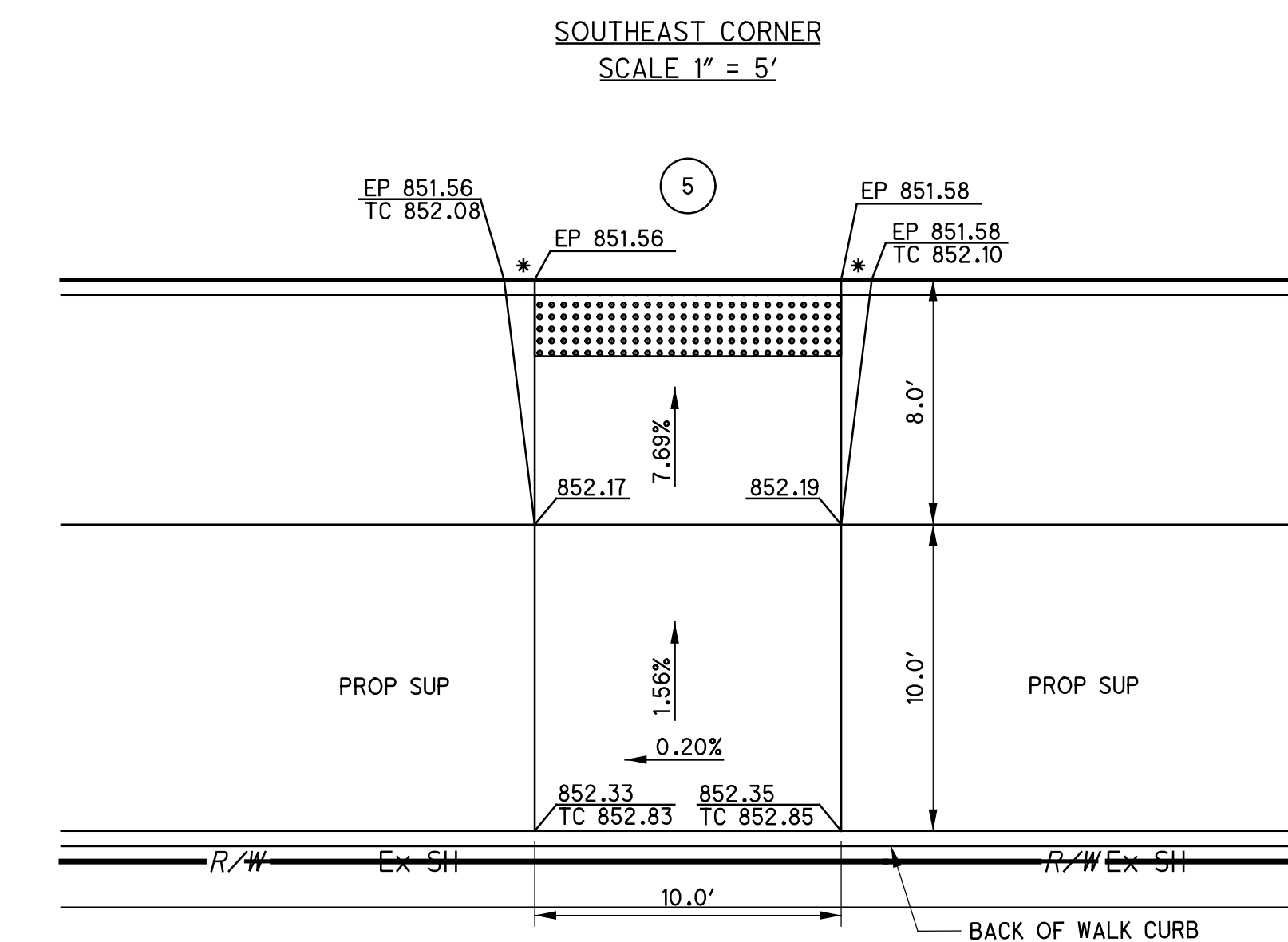
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
  - \* = MODIFIED CURB TO HAVE 4" REVEAL
  - TC = TOP OF CURB
  - ME = MATCH EXISTING
  - EP = EDGE OF PAVEMENT
- NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
 CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



HUDSON ST AT AUDUBON RD  
SCALE 1" = 10'



NORTHEAST CORNER  
SCALE 1" = 5'



SOUTHEAST CORNER  
SCALE 1" = 5'

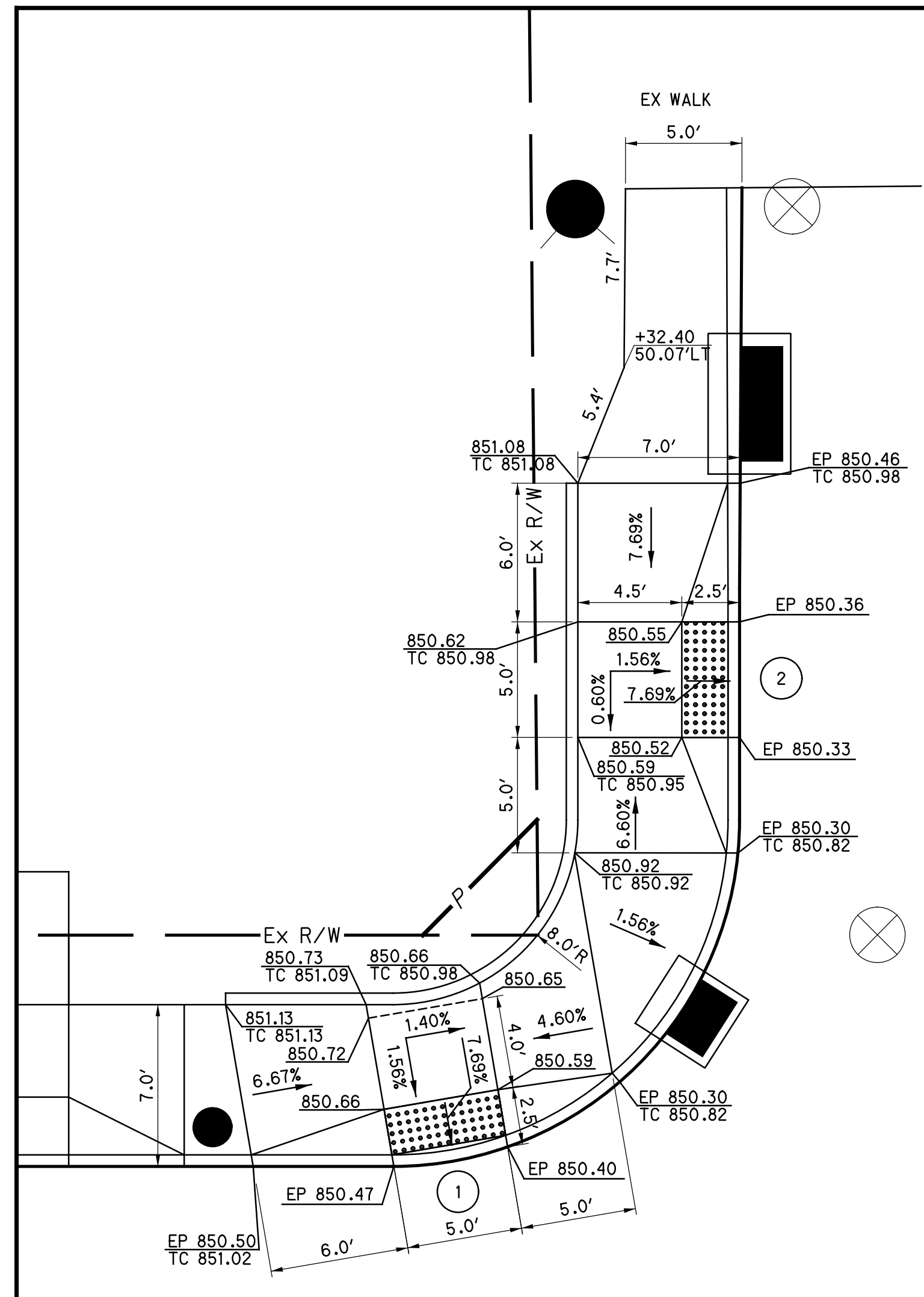
0 5 10 20  
 HORIZONTAL SCALE IN FEET

CALCULATED: JRS  
 CHECKED: MWR

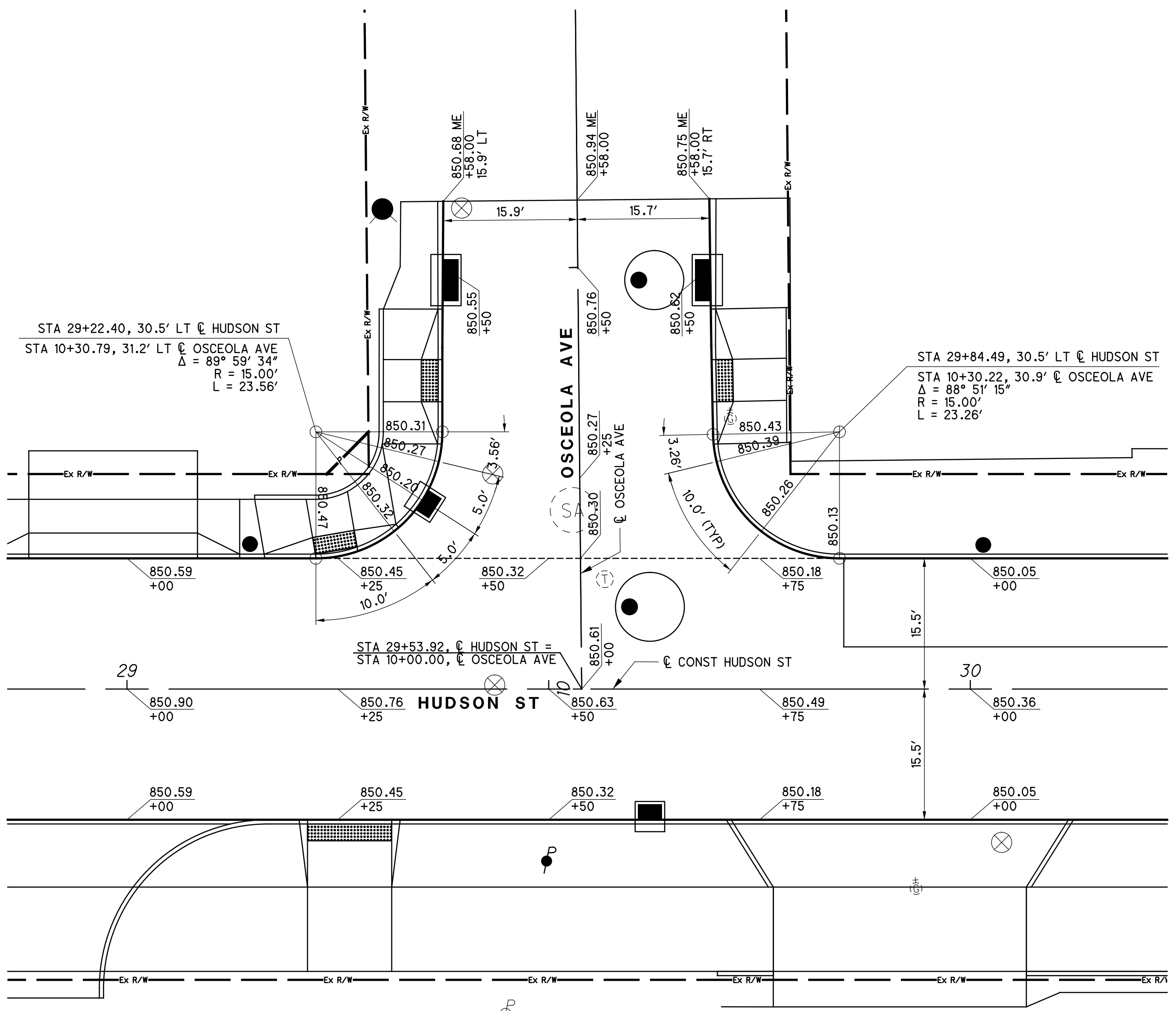
INTERSECTION & CURB RAMP DETAILS  
 HUDSON ST AT AUDUBON RD

HUDSON ST

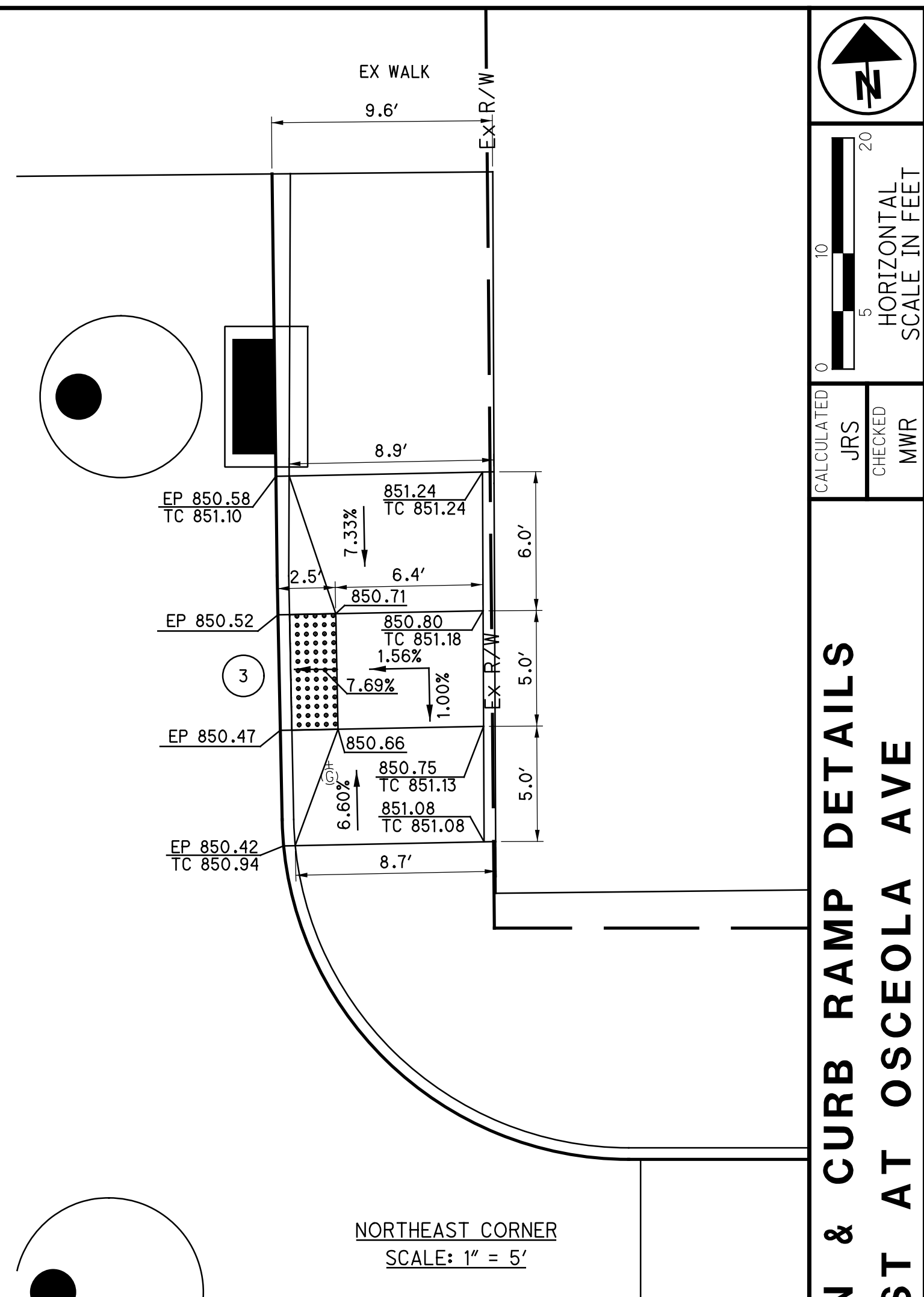
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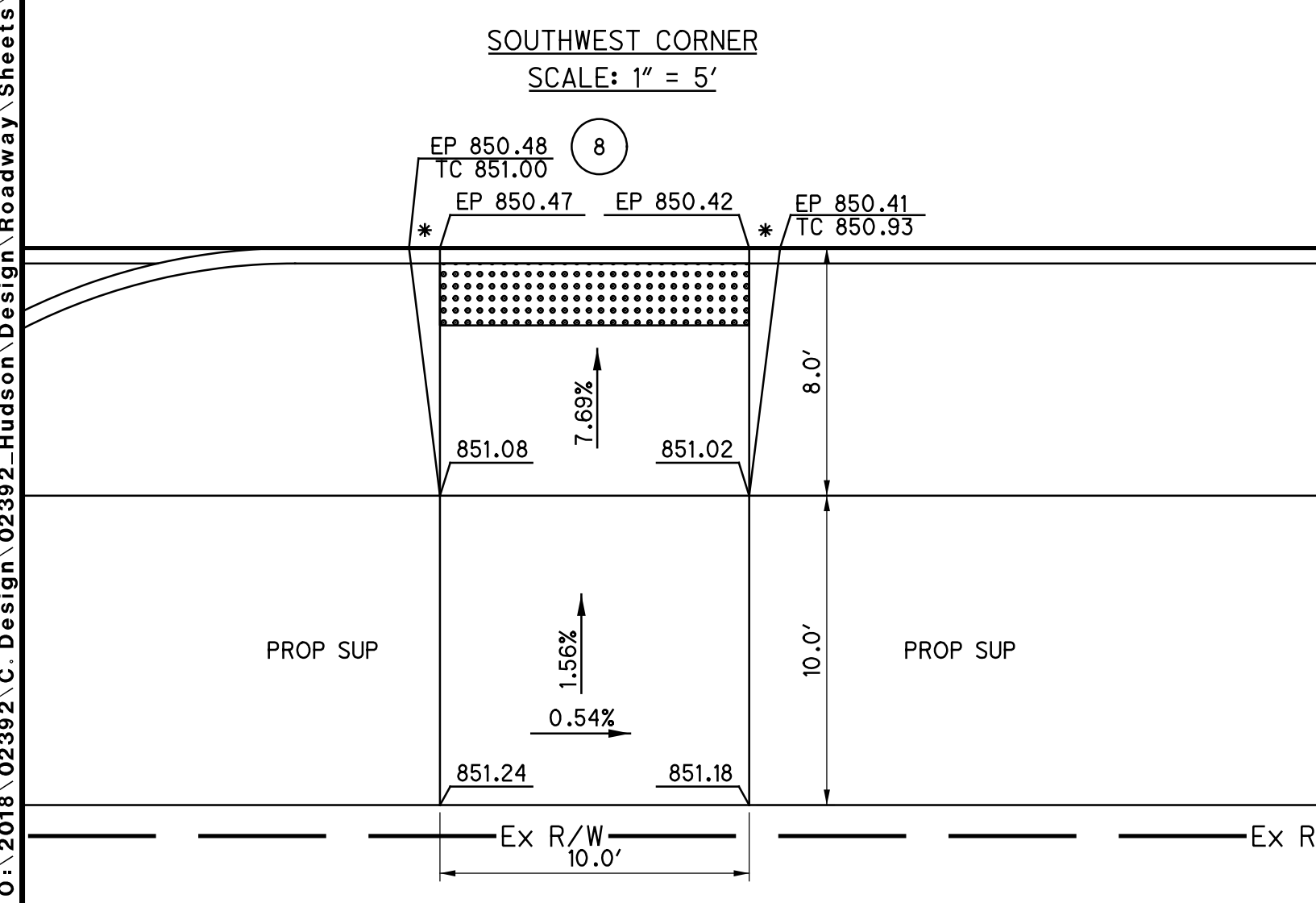
NORTHWEST CORNER  
SCALE: 1" = 5'



HUDSON ST AT OSCEOLA AVE  
SCALE: 1" = 10'



NORTHEAST CORNER  
SCALE: 1" = 5'



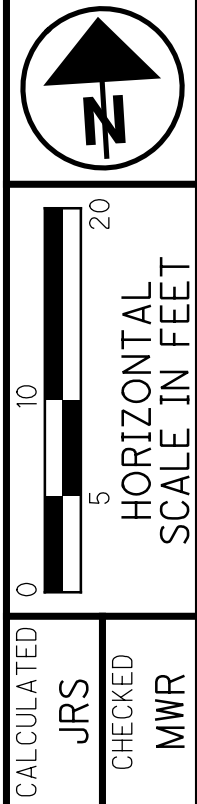
SOUTHWEST CORNER  
SCALE: 1" = 5'

- CURB RAMP CENTERLINES**
- 1 STA 29+24.95, 15.7' LT
  - 2 STA 29+37.40, 36.6' LT
  - 3 STA 29+69.36, 36.6' LT
  - 8 STA 29+26.40, 15.5' RT

**LEGEND**

- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- \* = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



**INTERSECTION & CURB RAMP DETAILS**  
**HUDSON ST AT OSCEOLA AVE**

**HUDSON ST**



0 5 10 20  
HORIZONTAL  
SCALE IN FEET

CALCULATED JRS  
CHECKED MWR

INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT PONTIAC ST (S)

HUDSON ST

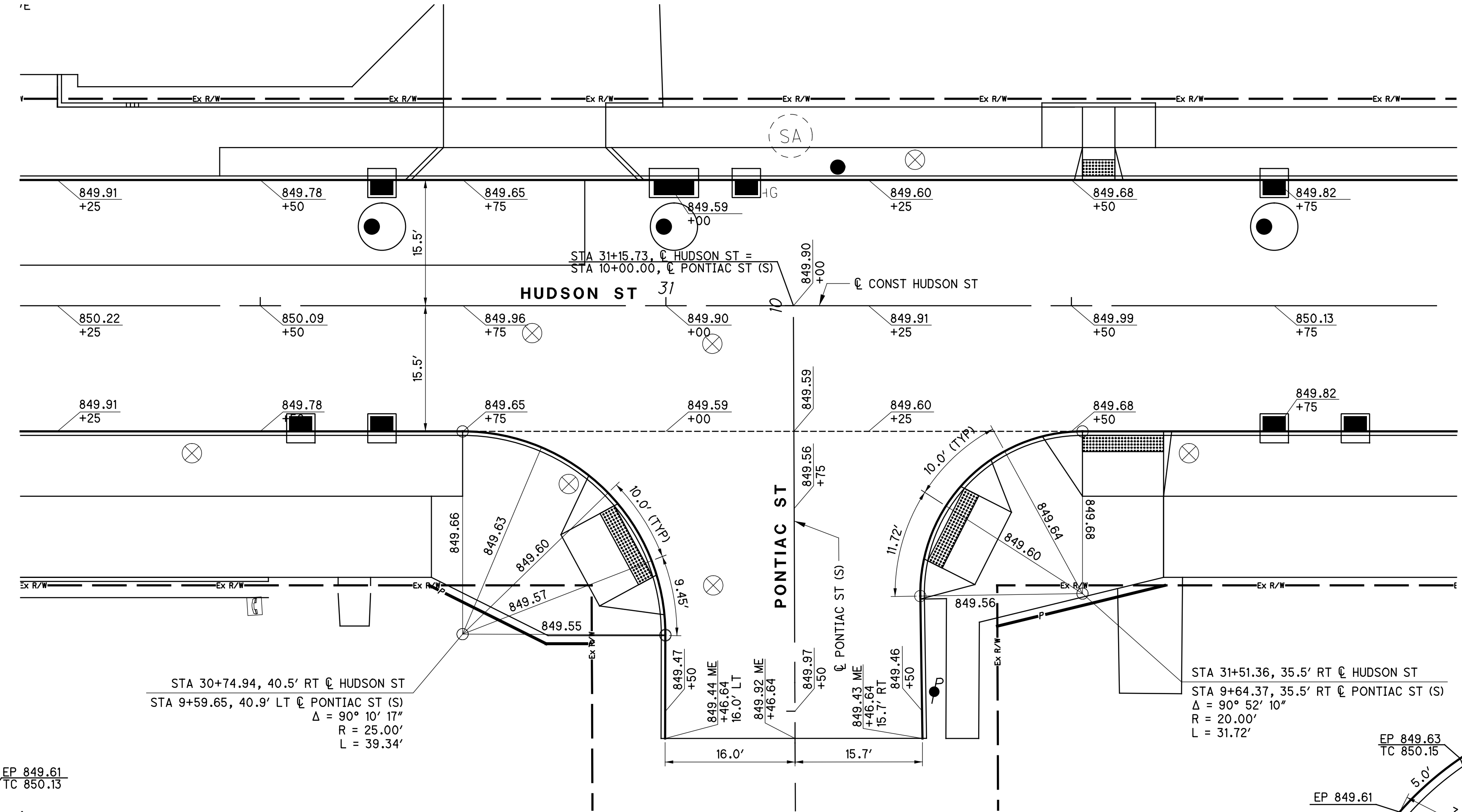
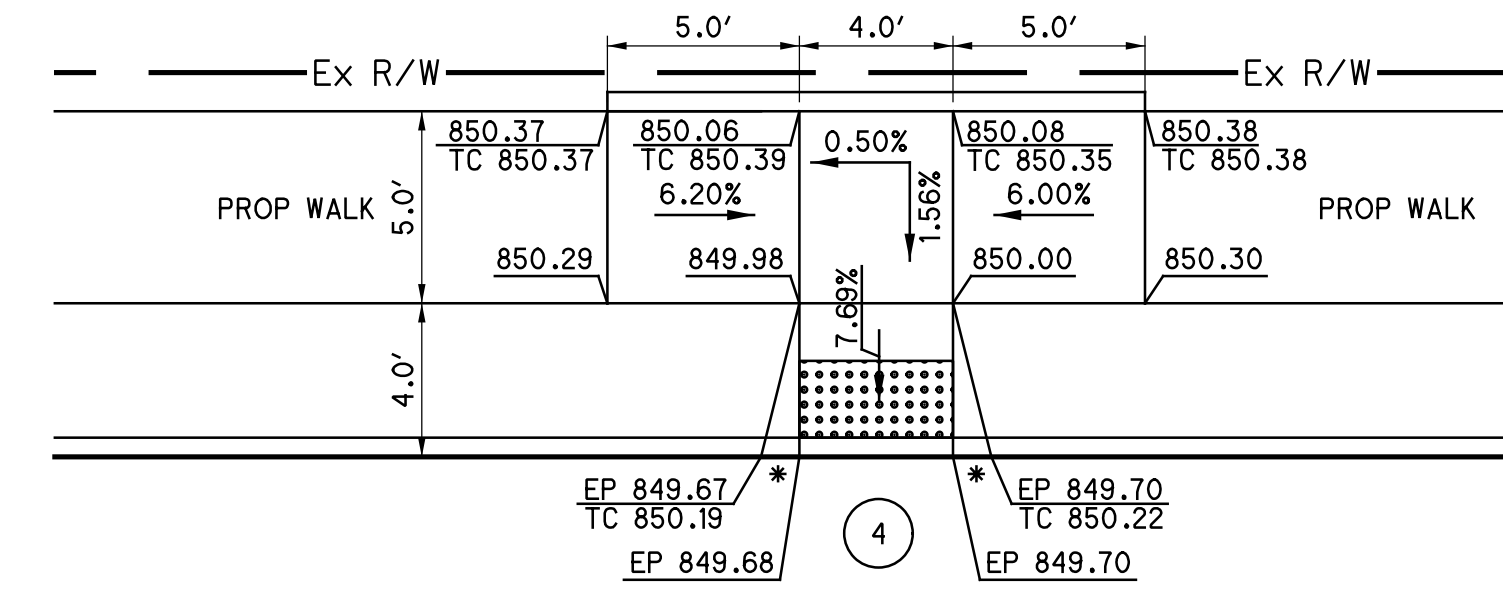
260  
535

**CURB RAMP CENTERLINES**

- ④ STA 31+53.36, 15.5' LT
- ⑤ STA 31+56.36, 15.5' RT
- ⑥ STA 31+33.52, 26.5' RT
- ⑦ STA 30+96.91, 28.6' RT

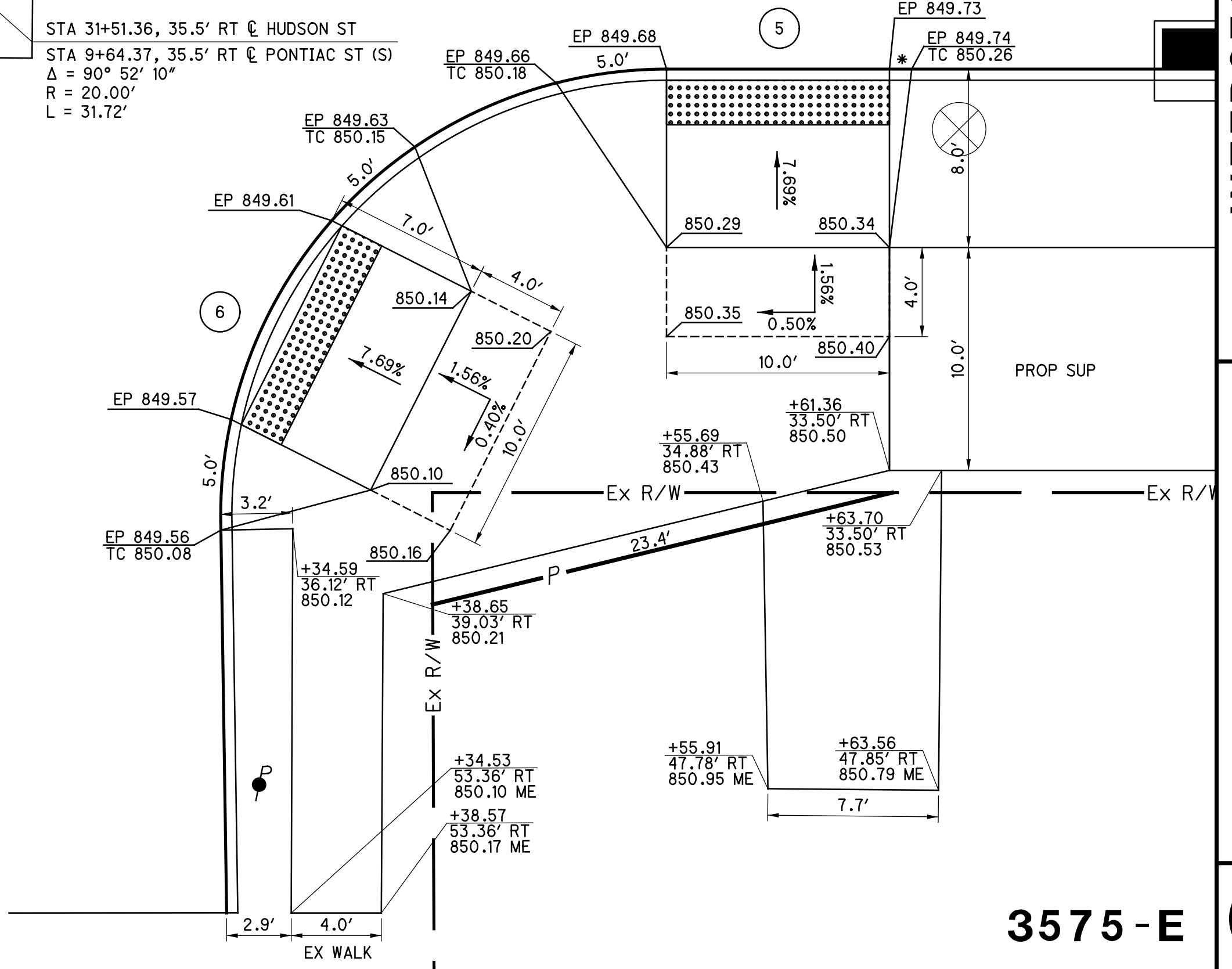
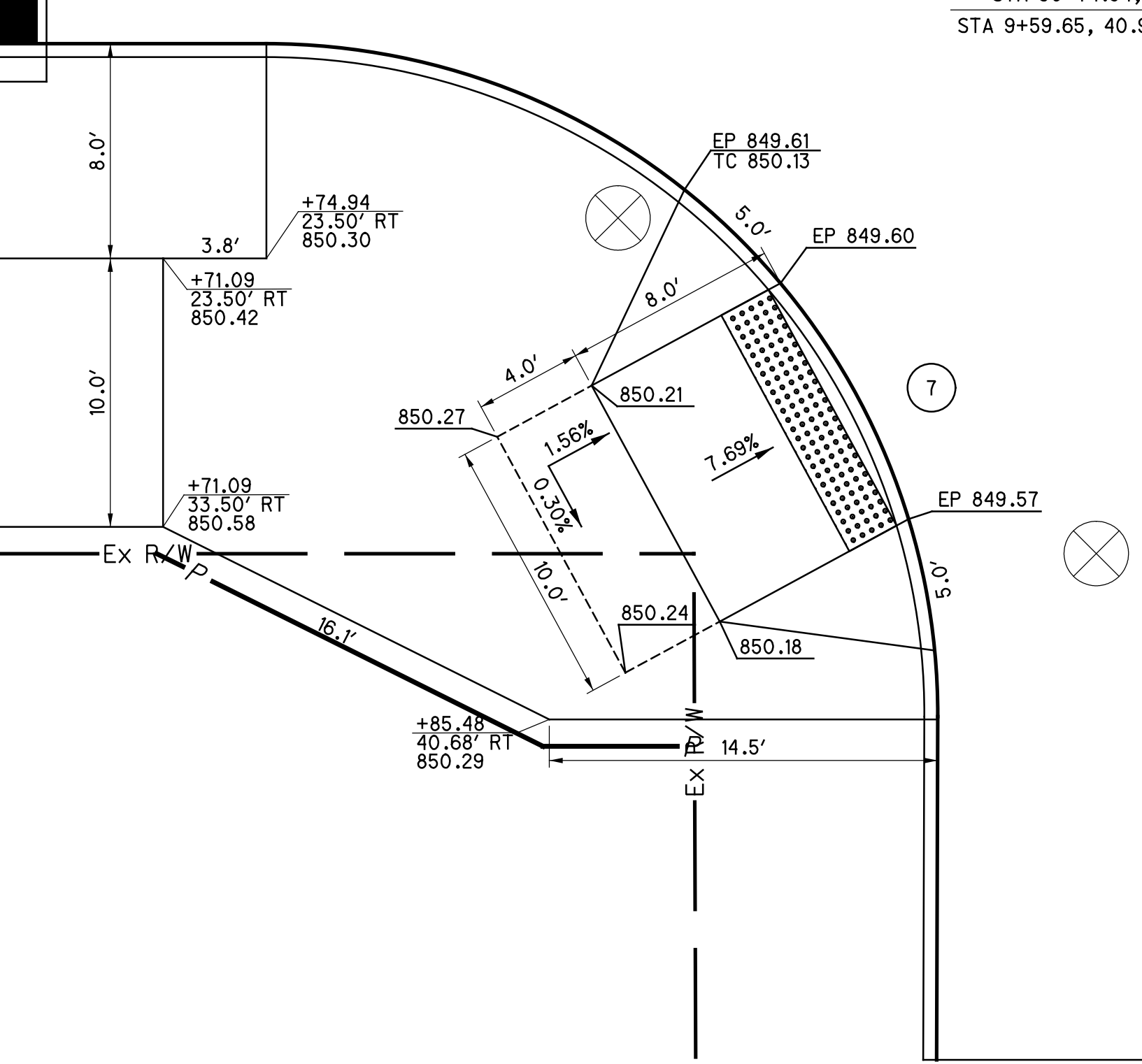
**LEGEND**

- \* = 1" RAMP FLARE UNLESS OTHERWISE NOTED
  - \* = MODIFIED CURB TO HAVE 4" REVEAL
  - TC = TOP OF CURB
  - ME = MATCH EXISTING
  - EP = EDGE OF PAVEMENT
- NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



SOUTHWEST CORNER  
SCALE: 1" = 5'

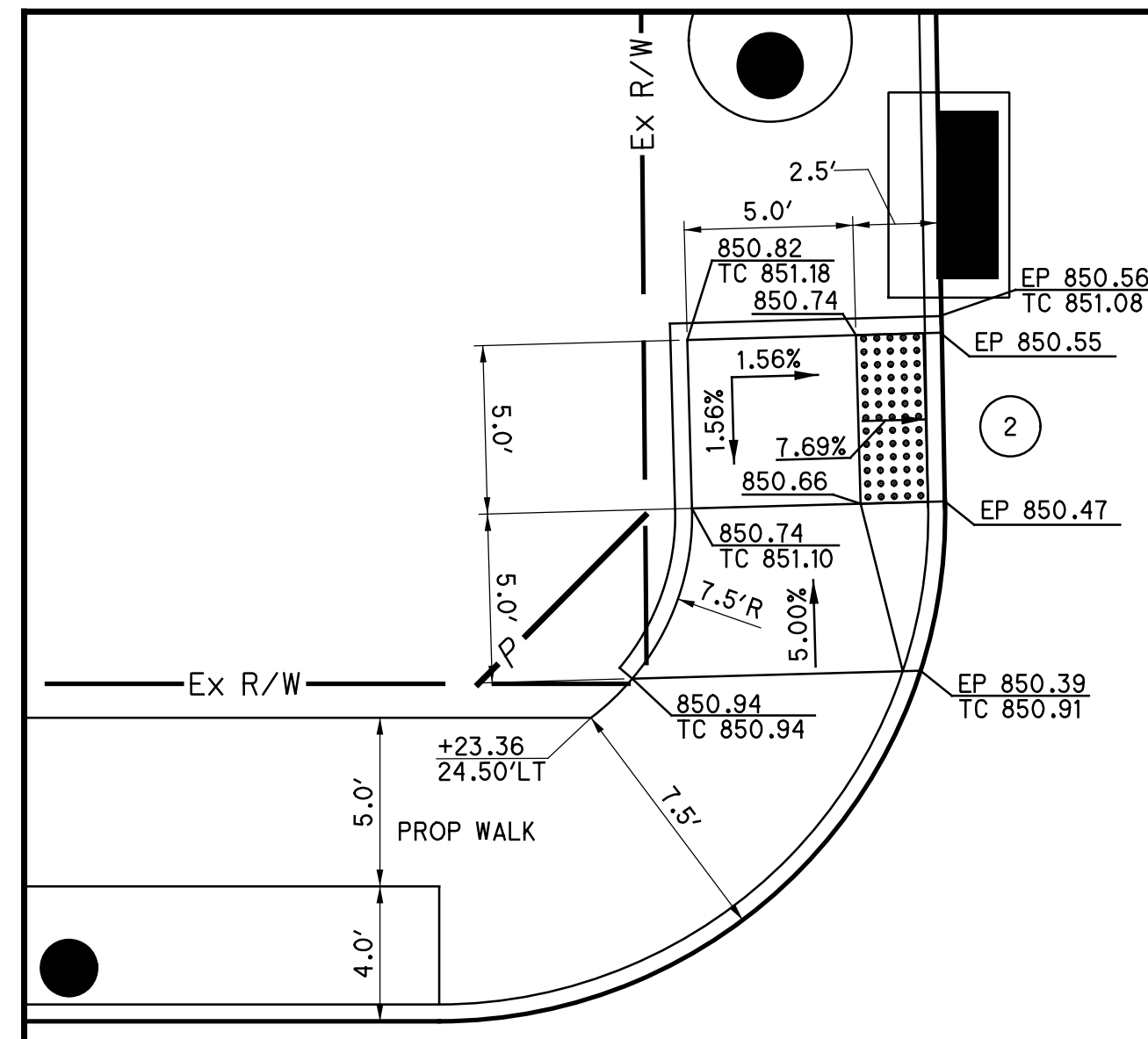
SOUTHEAST CORNER  
SCALE: 1" = 5'



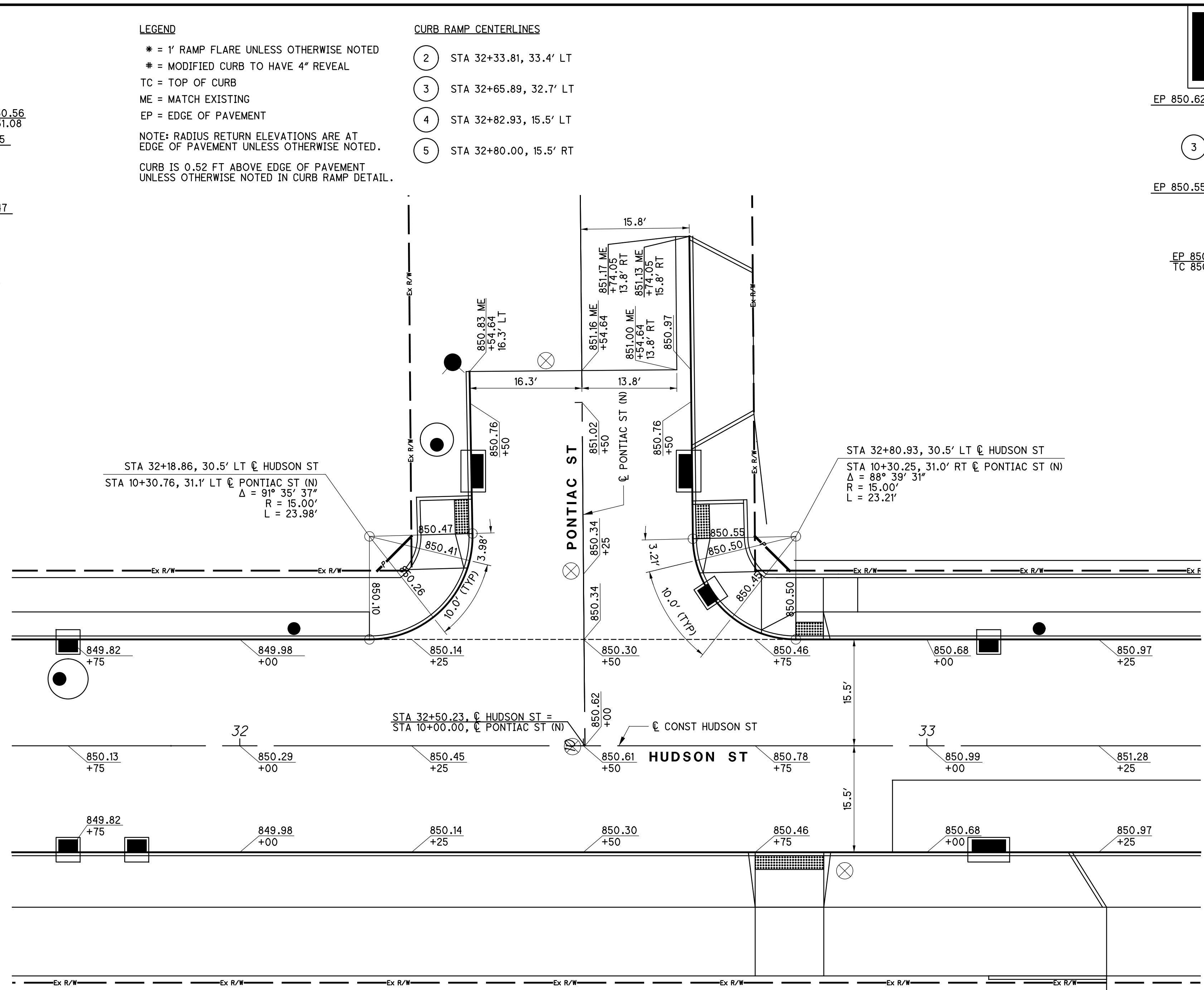
soltesz 10/5/2021 10:05:08 AM  
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3575-E

soltesz 10/5/2021 10:05:09 AM  
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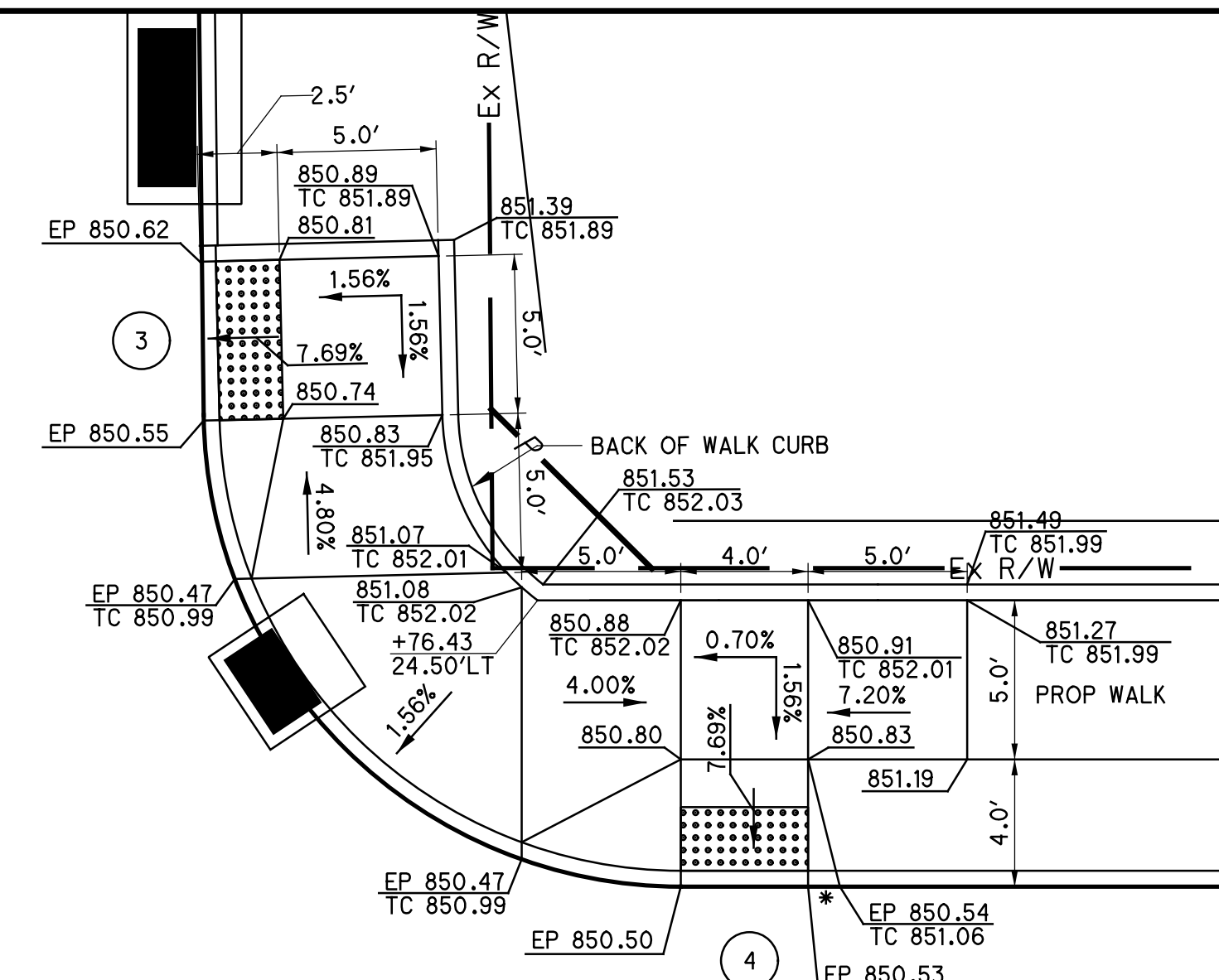


NORTHWEST CORNER  
 SCALE: 1" = 5'

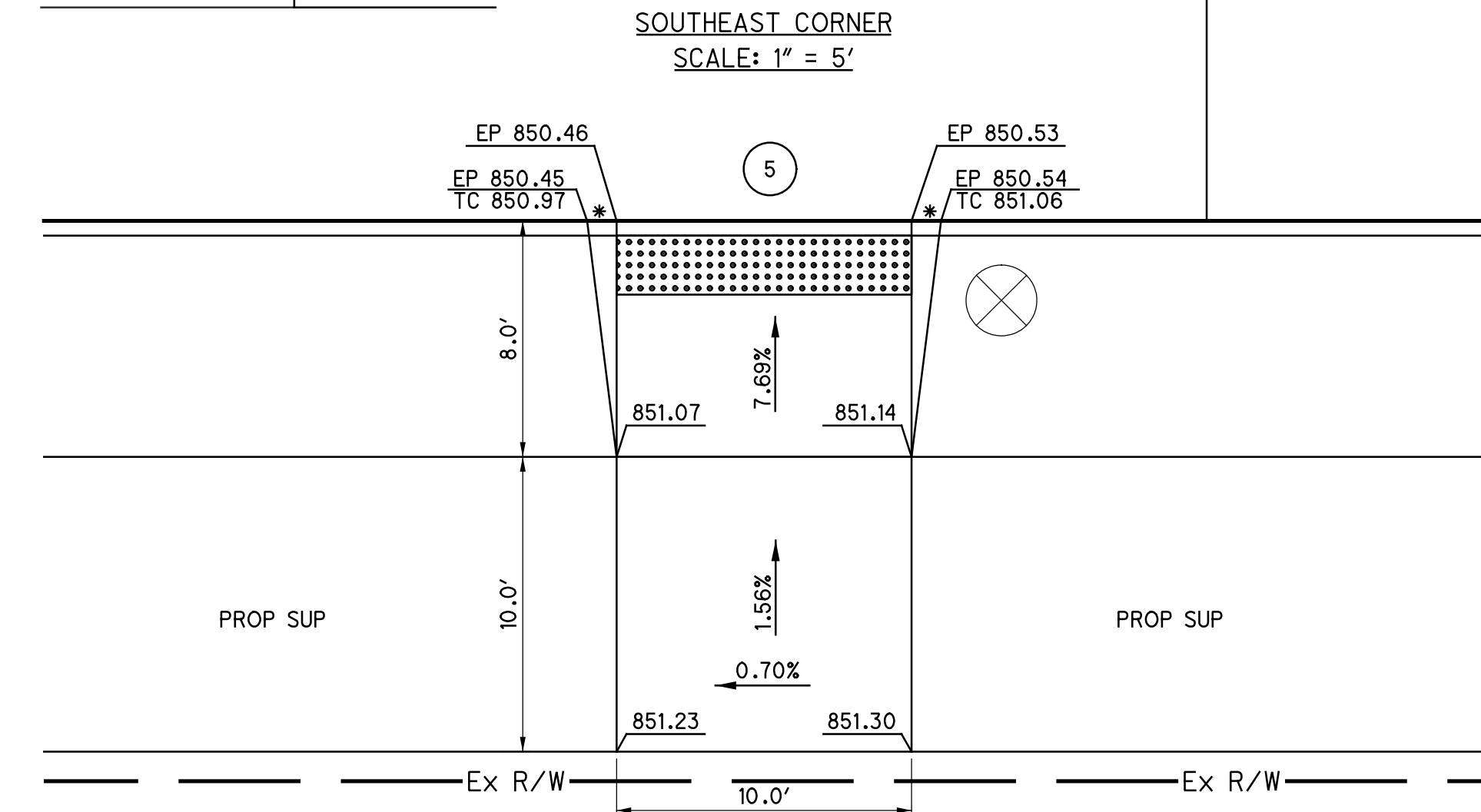


HUDSON ST AT PONTIAC ST (N)  
 SCALE: 1" = 10'

- LEGEND**
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
  - # = MODIFIED CURB TO HAVE 4" REVEAL
  - TC = TOP OF CURB
  - ME = MATCH EXISTING
  - EP = EDGE OF PAVEMENT
- NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
 CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.
- CURB RAMP CENTERLINES**
- 2 STA 32+33.81, 33.4' LT
  - 3 STA 32+65.89, 32.7' LT
  - 4 STA 32+82.93, 15.5' LT
  - 5 STA 32+80.00, 15.5' RT



NORTHEAST CORNER  
 SCALE: 1" = 5'



SOUTHEAST CORNER  
 SCALE: 1" = 5'

CALCULATED JRS  
 CHECKED MWR

0 10 20  
 HORIZONTAL SCALE IN FEET

INTERSECTION & CURB RAMP DETAILS  
 HUDSON ST AT PONTIAC ST (N)

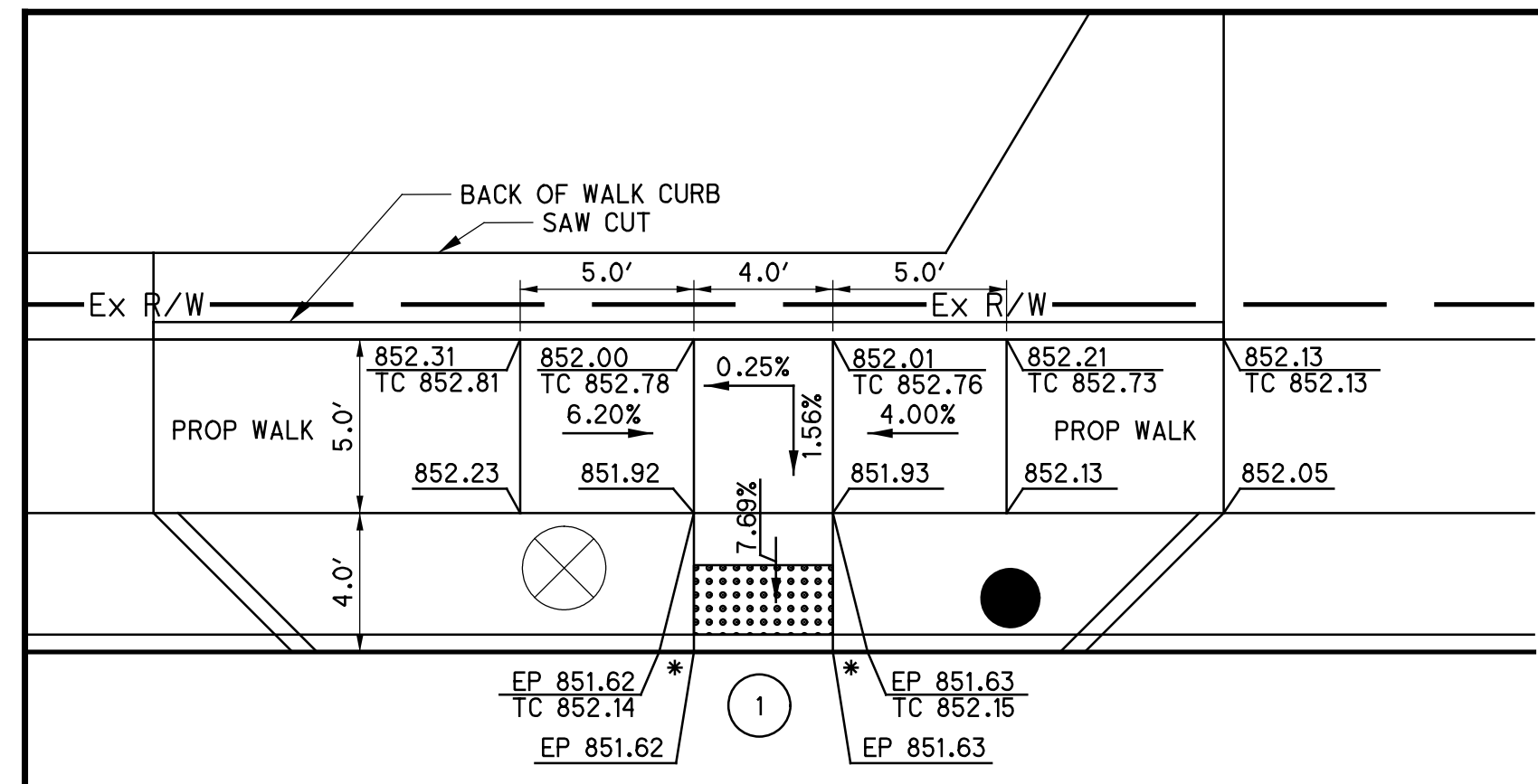
HUDSON ST

**LEGEND**

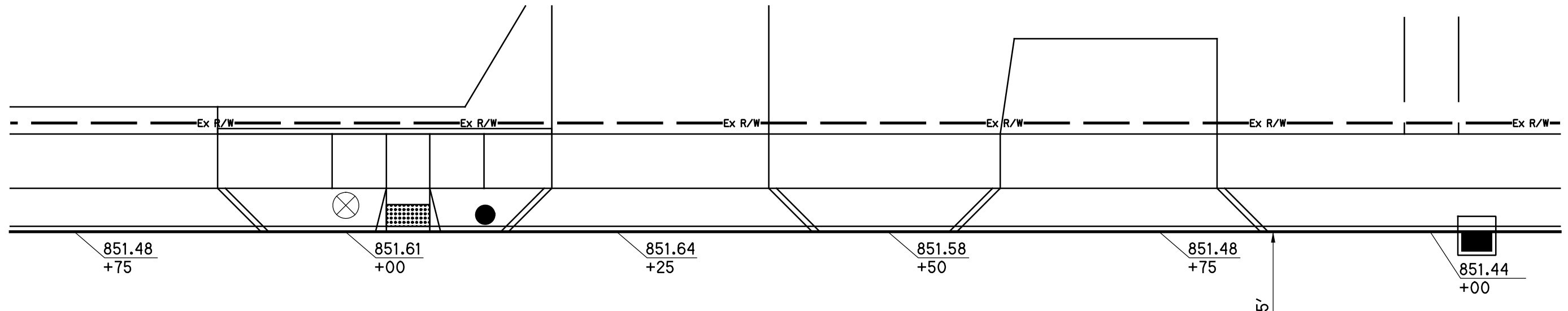
\* = 1' RAMP FLARE UNLESS OTHERWISE NOTED  
 \* = MODIFIED CURB TO HAVE 4" REVEAL  
 TC = TOP OF CURB  
 ME = MATCH EXISTING  
 EP = EDGE OF PAVEMENT  
 NOTE: RADIUS RETURN ELEVATIONS ARE AT  
 EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
 CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT  
 UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.

**CURB RAMP CENTERLINES**

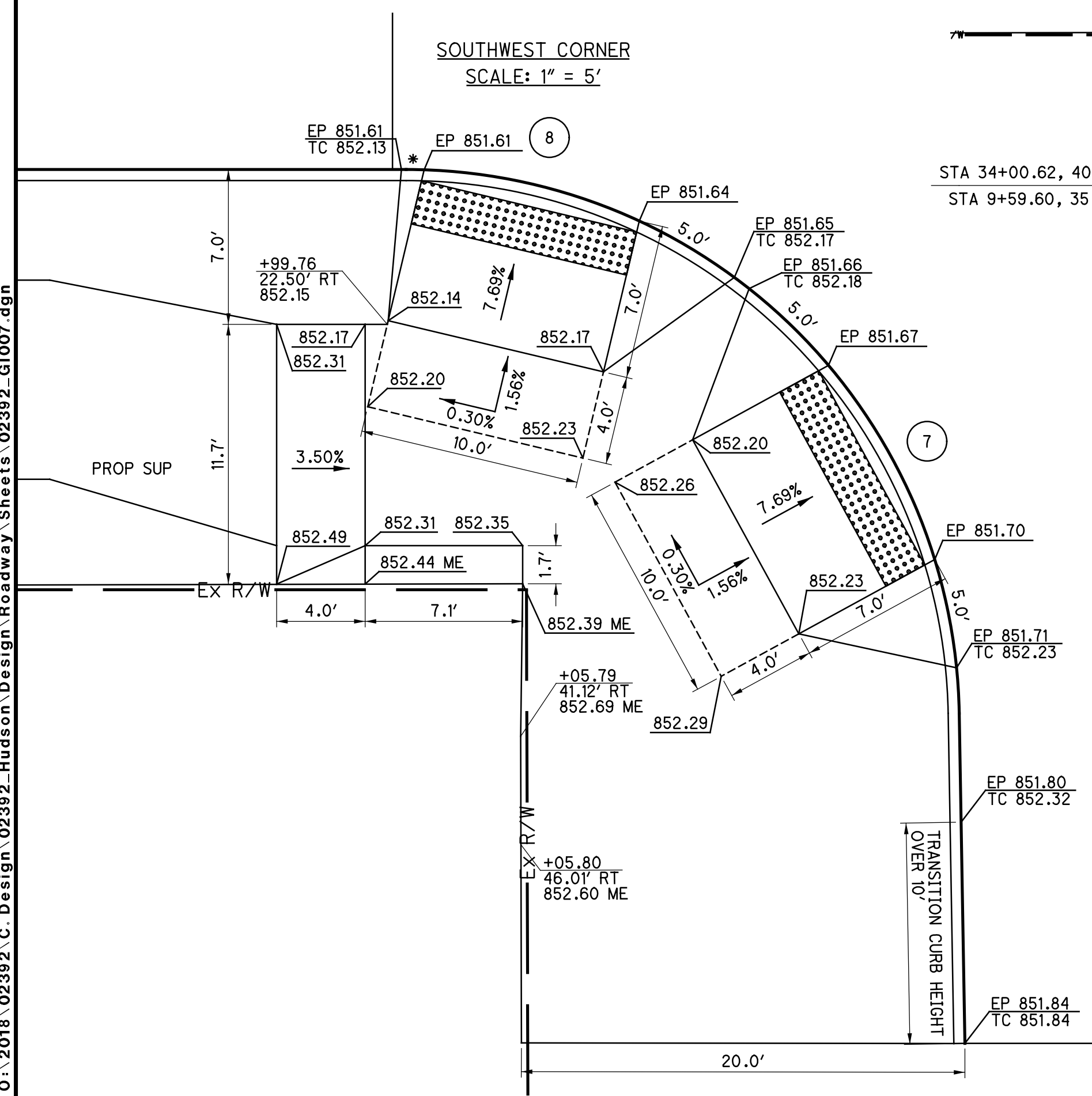
- 1 STA 34+05.77, 15.5' LT
- 6 STA 34+52.73, 27.9' RT
- 7 STA 34+22.55, 28.5' RT
- 8 STA 34+06.41, 16.2' RT



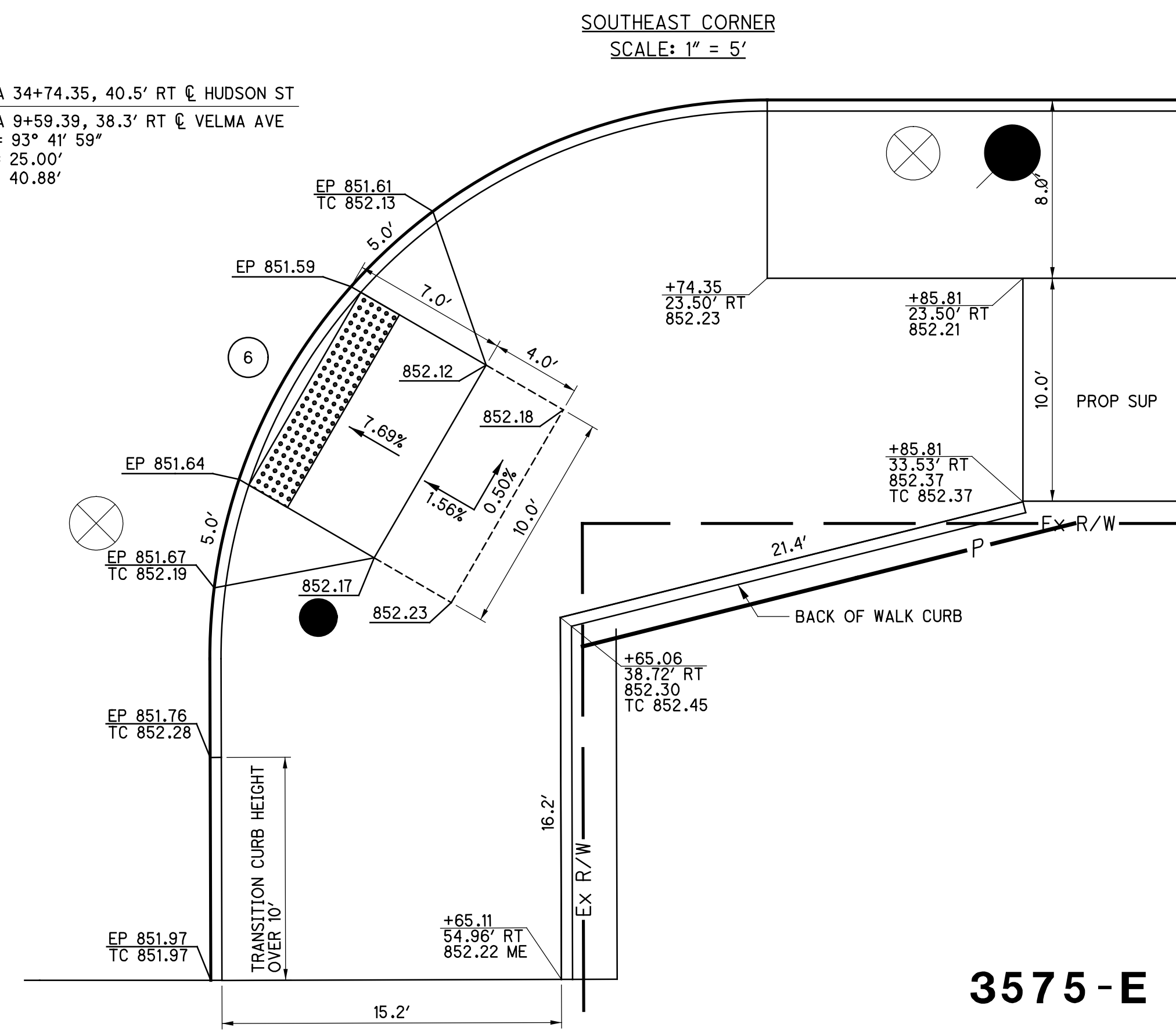
NORTHWEST CORNER  
SCALE: 1" = 5'



HUDSON ST AT VELMA AVE  
SCALE: 1" = 10'

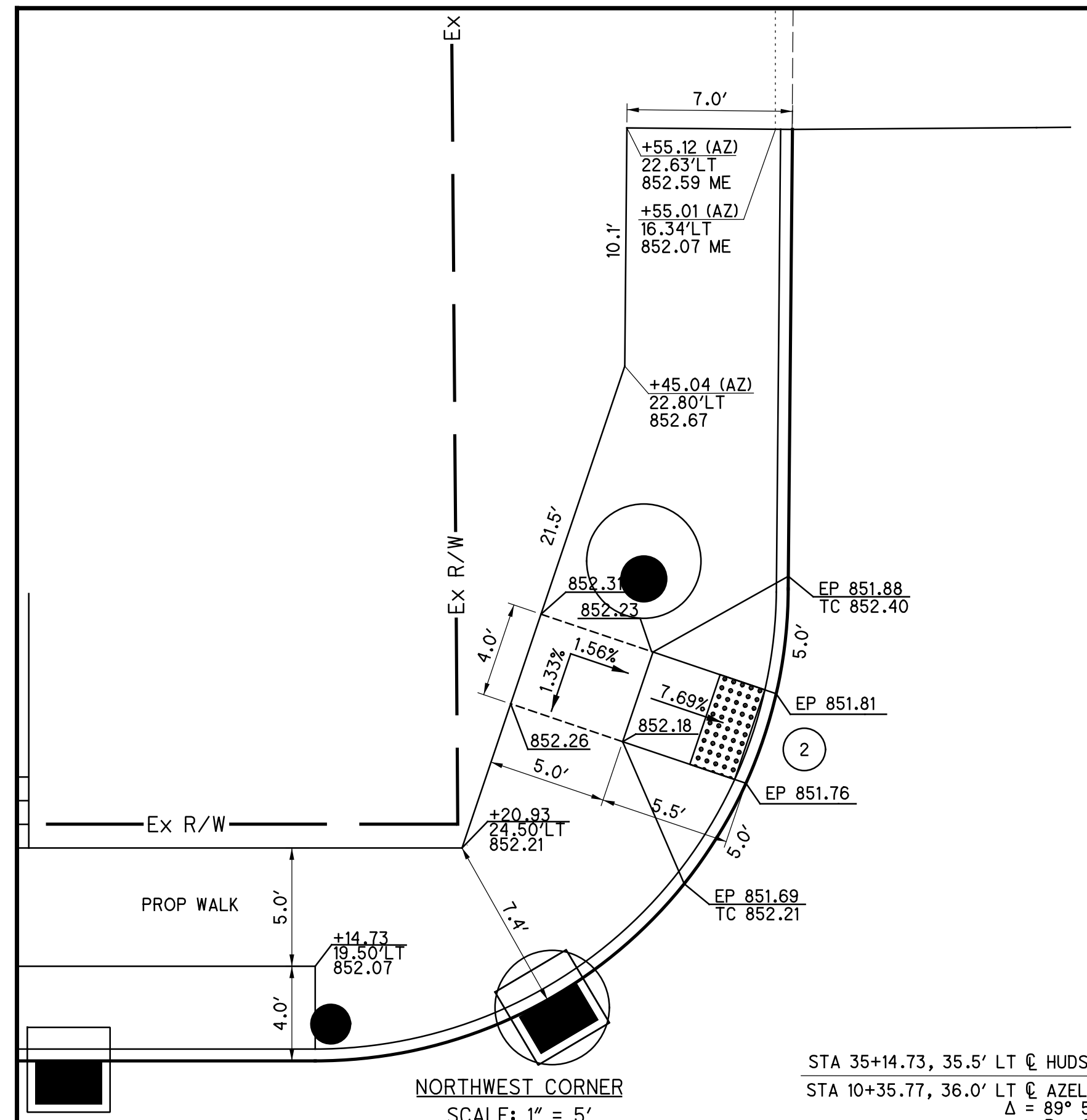


SOUTHWEST CORNER  
SCALE: 1" = 5'



SOUTHEAST CORNER  
SCALE: 1" = 5'

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NORTHWEST CORNER  
SCALE: 1" = 5'

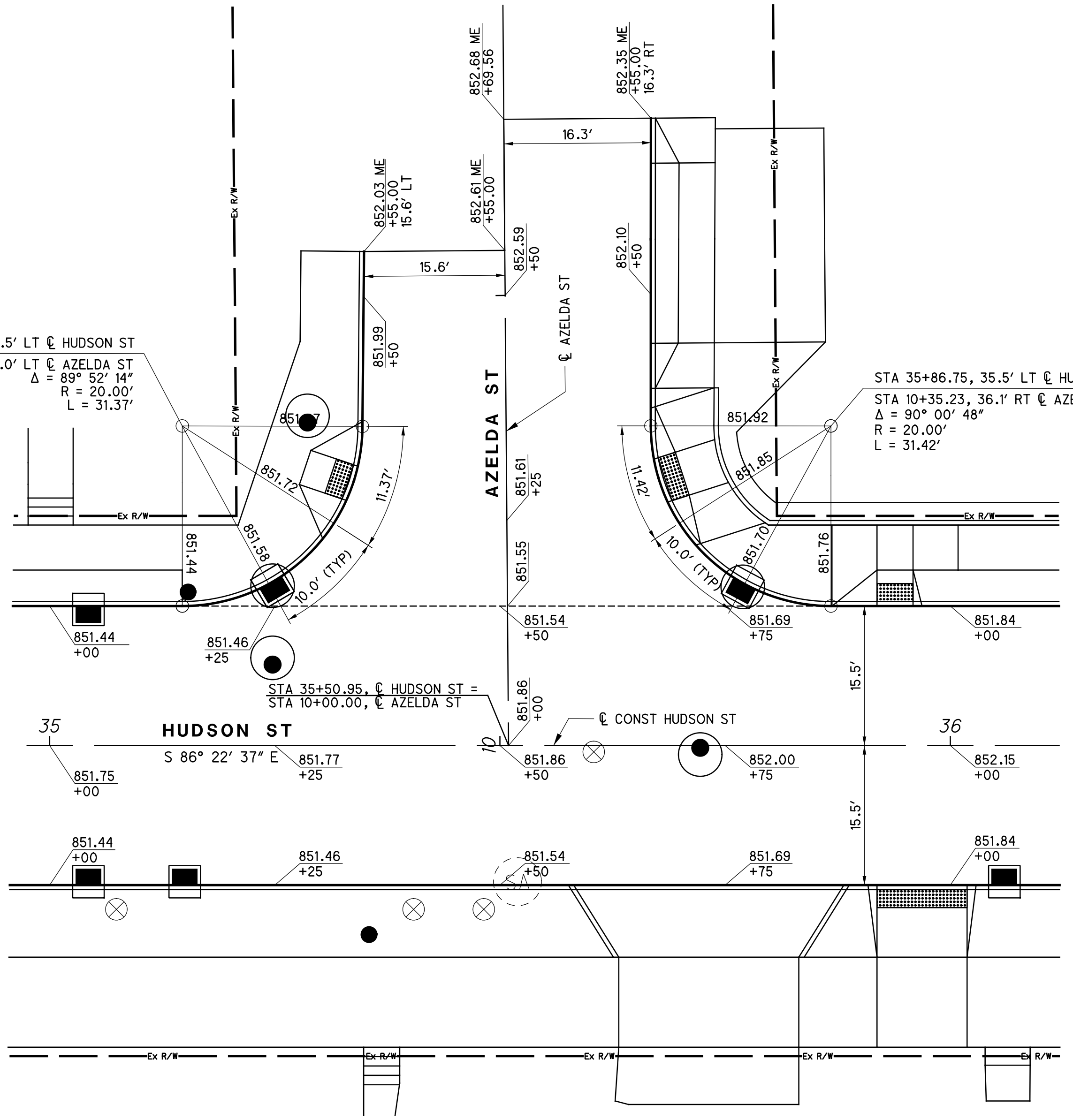
- CURB RAMP CENTERLINES**
- ② STA 35+33.68, 29.1' LT
  - ③ STA 35+67.71, 29.4' LT
  - ④ STA 35+93.86, 15.5' LT
  - ⑤ STA 35+96.86, 15.5' RT

**LEGEND**

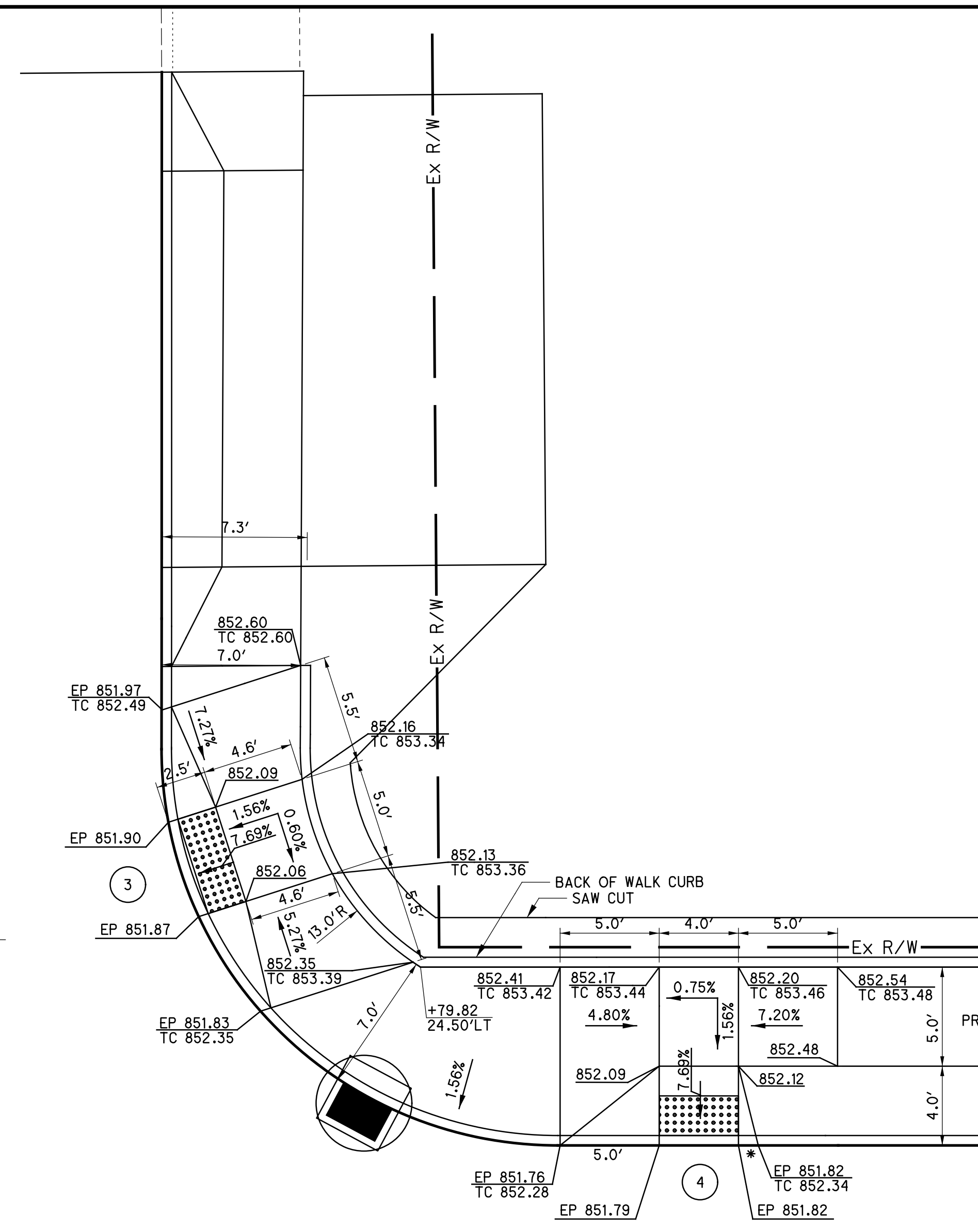
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- \* = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

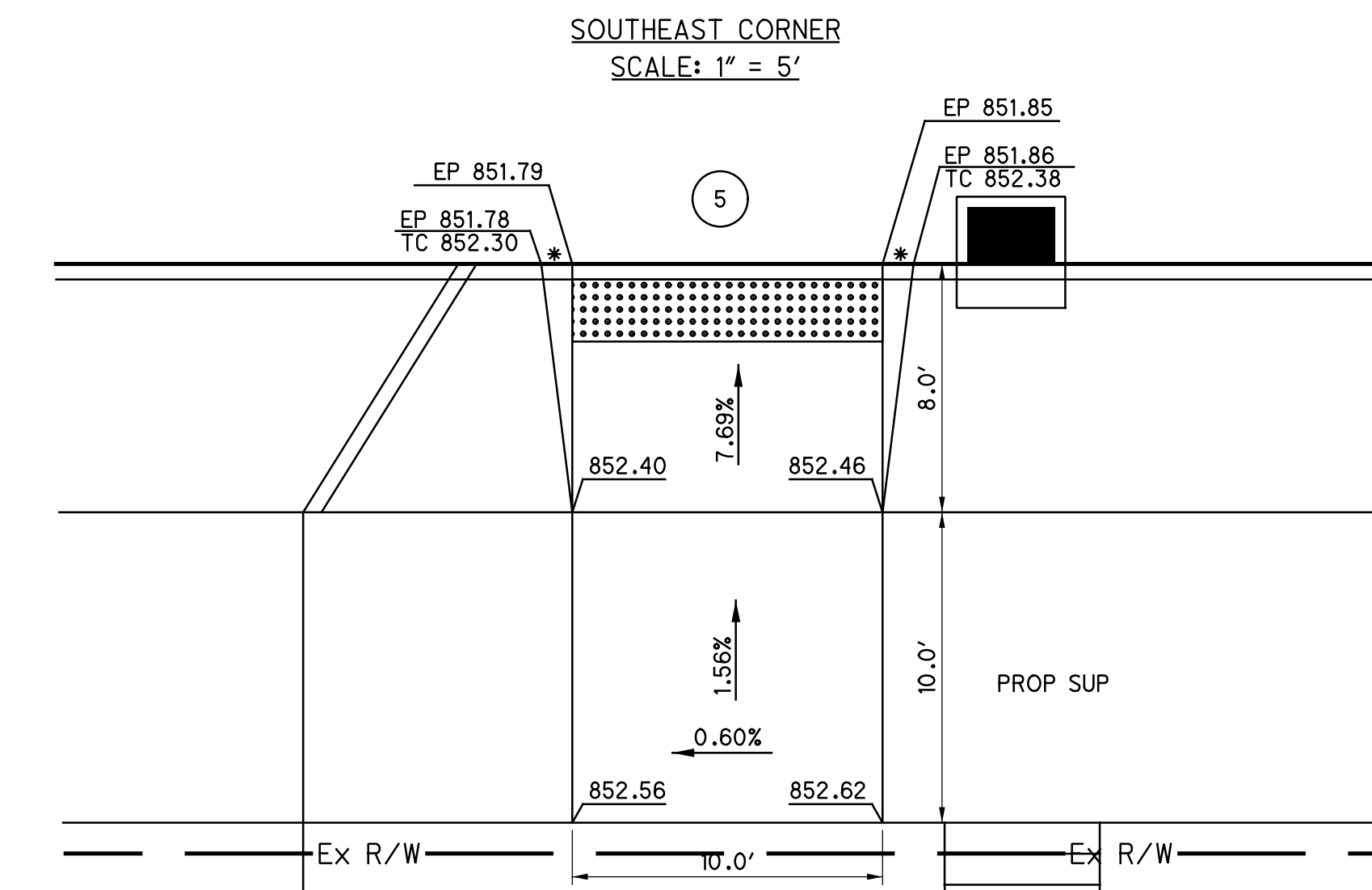
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



HUDSON ST AT AZELDA ST  
SCALE: 1" = 10'



NORTHEAST CORNER  
SCALE: 1" = 5'



SOUTHEAST CORNER  
SCALE: 1" = 5'

CALCULATED JRS  
 CHECKED MWR

**INTERSECTION & CURB RAMP DETAILS  
 HUDSON ST AT AZELDA ST**

**HUDSON ST**

3575-E

263  
535



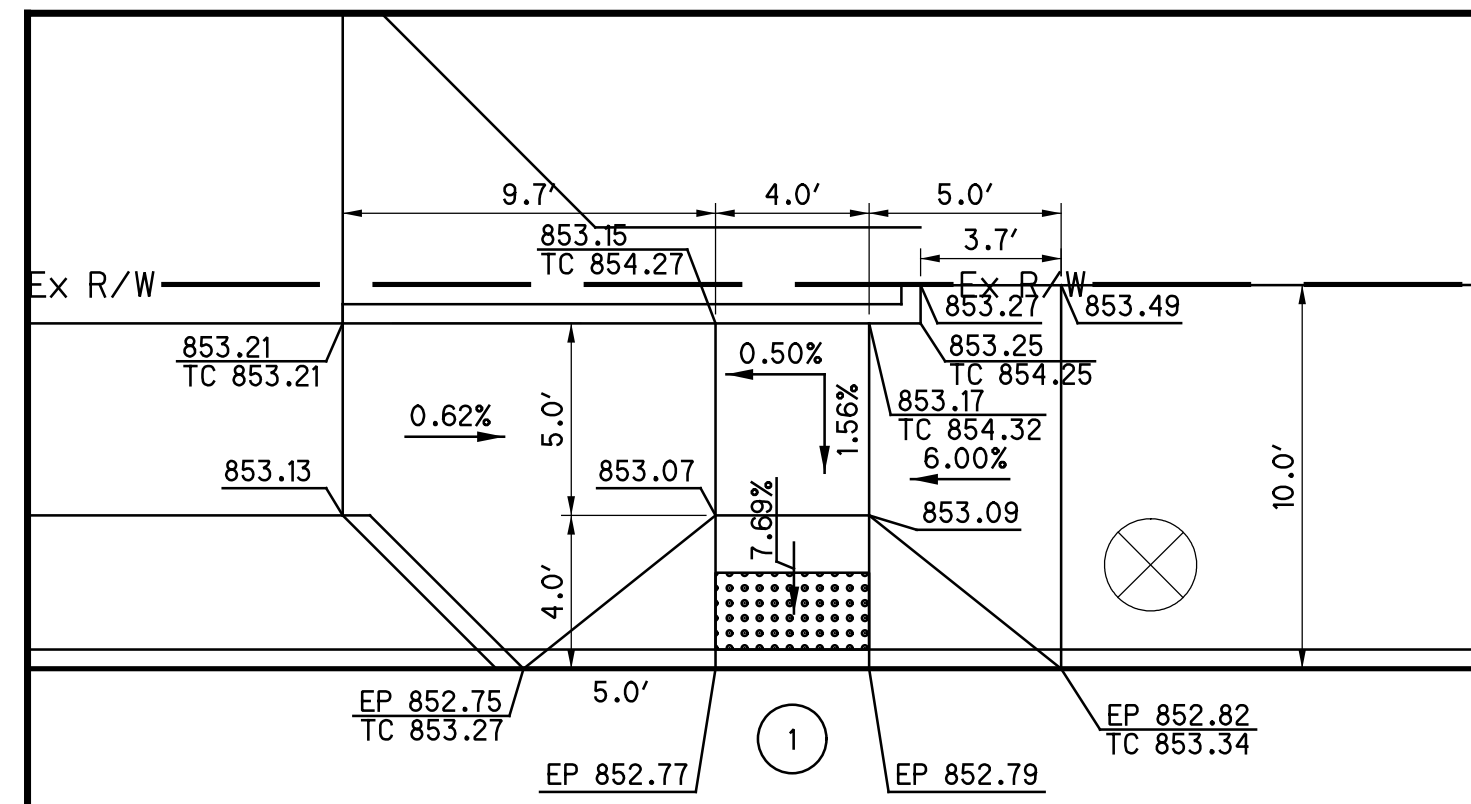
0 5 10 20  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
JRS  
CHECKED  
MWR

INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT HIAWATHA PARK DR

HUDSON ST

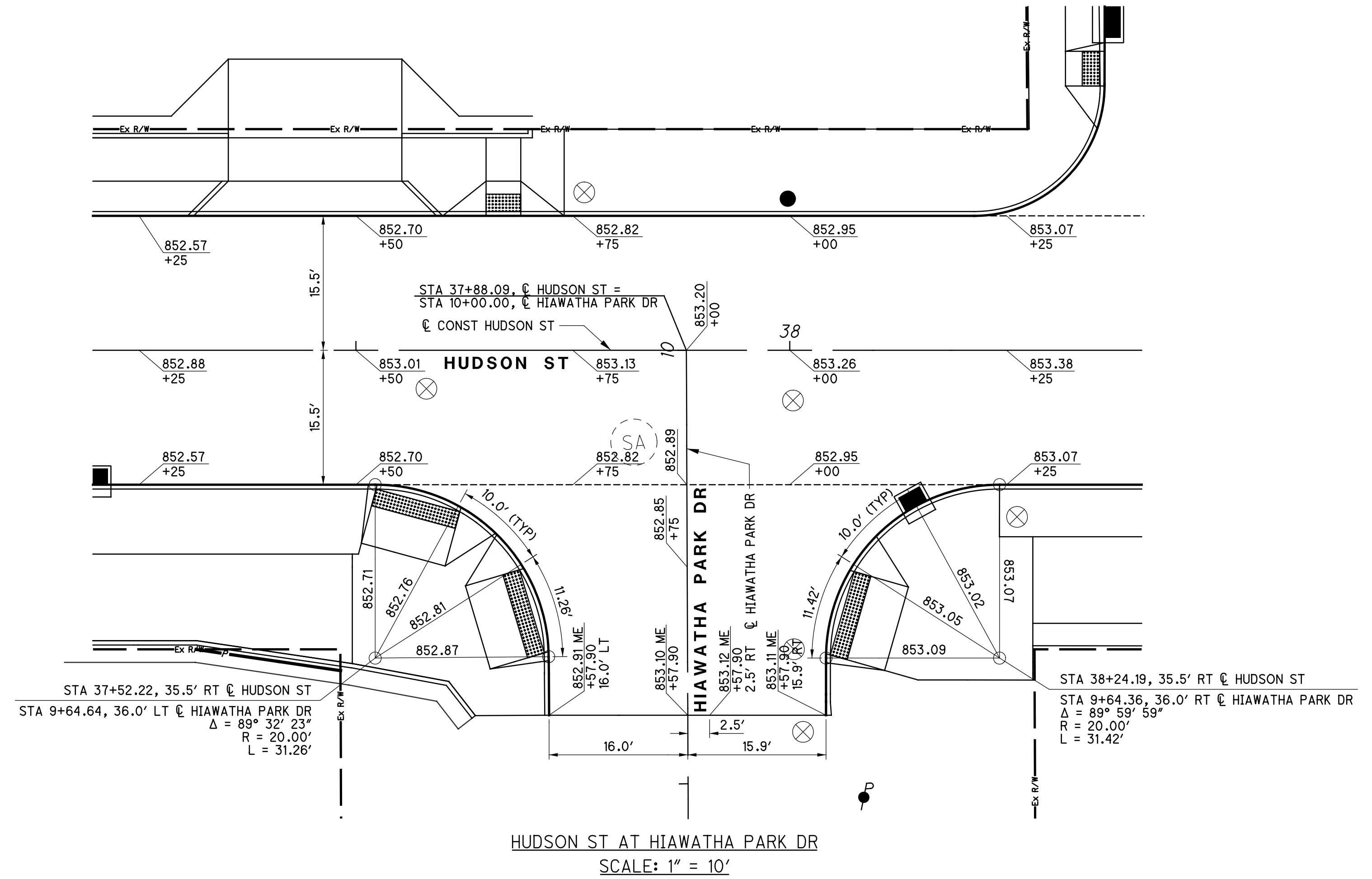
264  
535



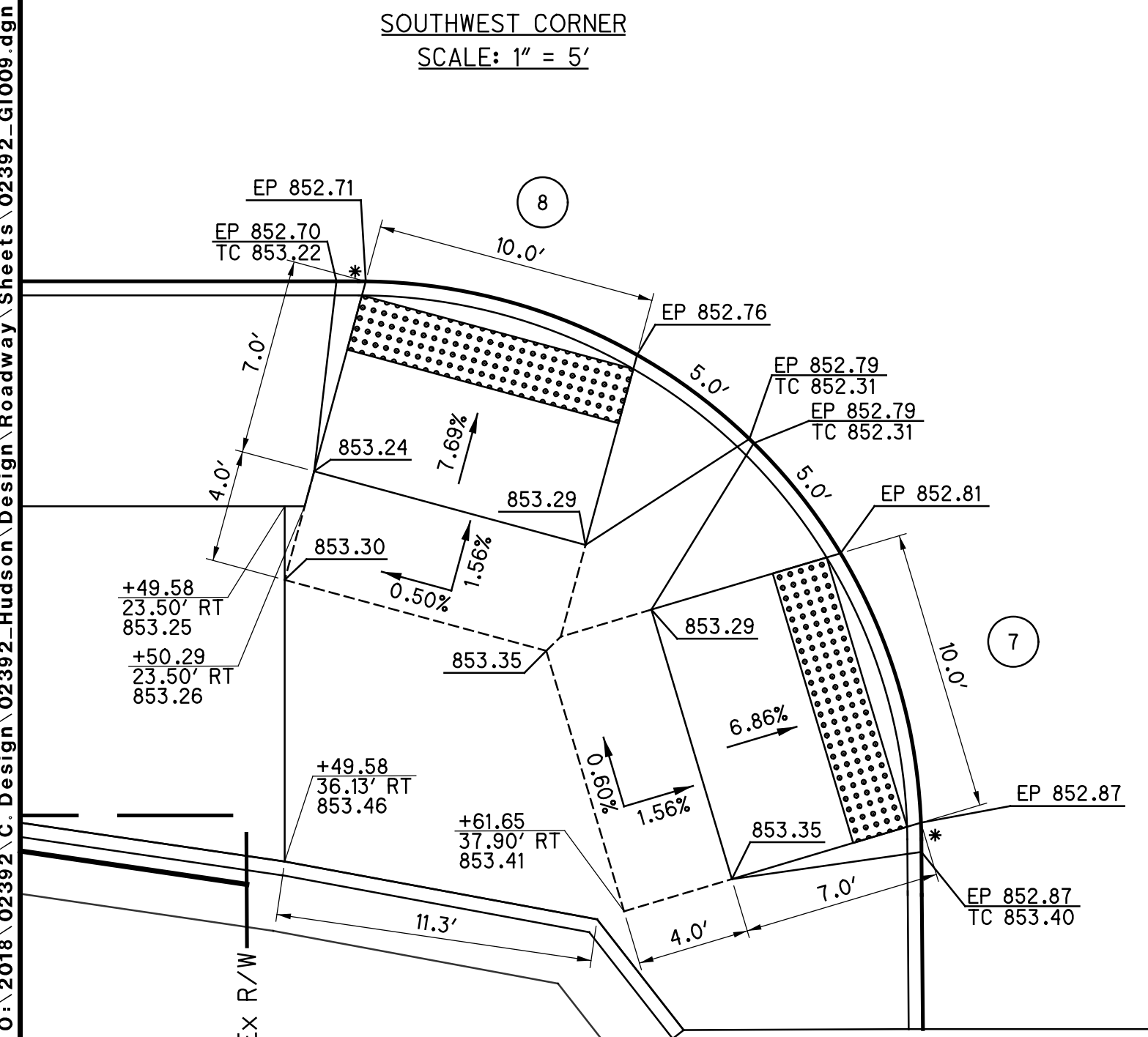
NORTHWEST CORNER  
SCALE: 1" = 5'

**LEGEND**  
\* = 1" RAMP FLARE UNLESS OTHERWISE NOTED  
\* = MODIFIED CURB TO HAVE 4" REVEAL  
TC = TOP OF CURB  
ME = MATCH EXISTING  
EP = EDGE OF PAVEMENT  
NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.

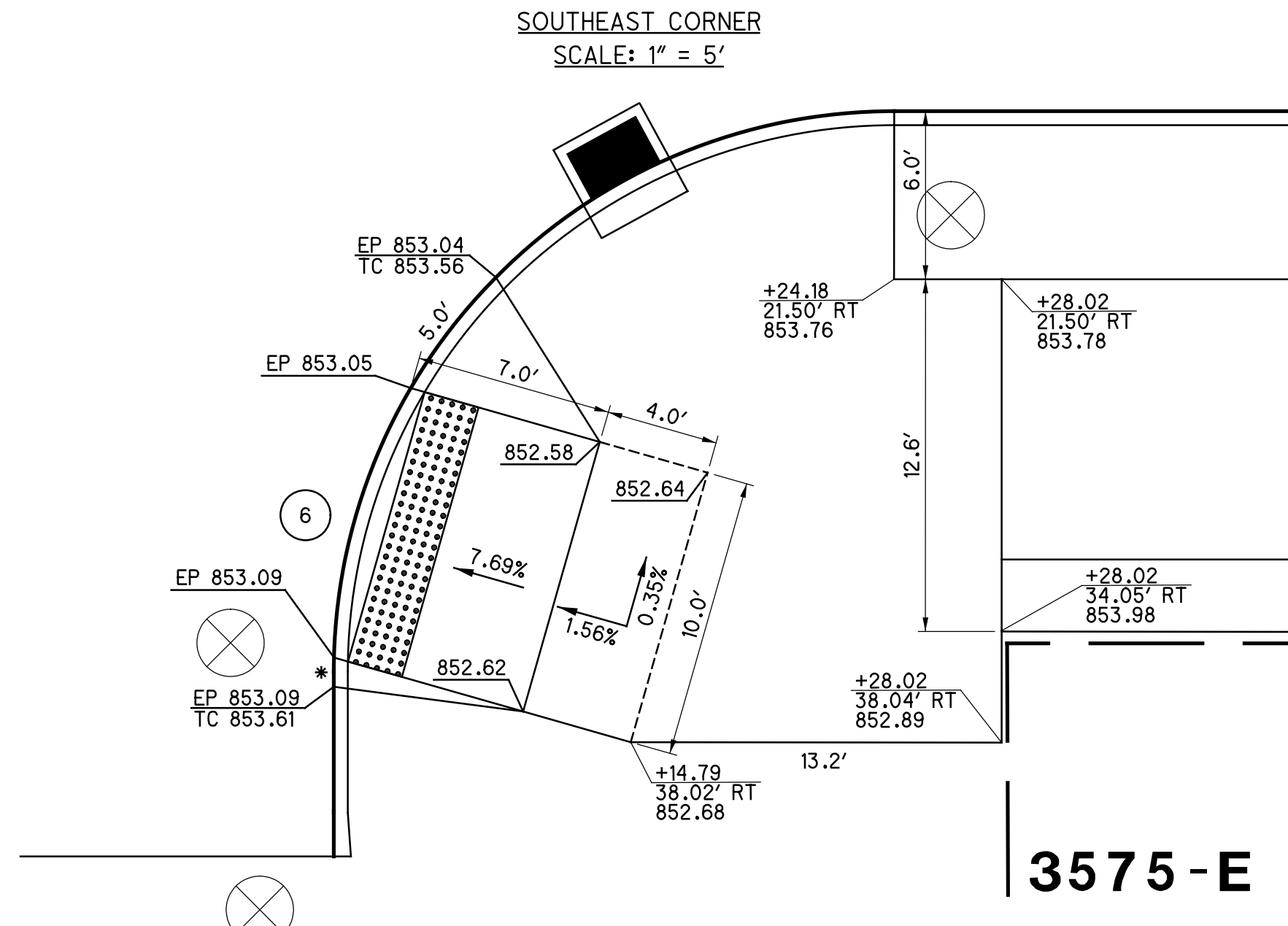
**CURB RAMP CENTERLINES**  
1 STA 37+67.00, 15.5' LT  
6 STA 38+04.95, 30.0' RT  
7 STA 37+71.38, 29.8' RT  
8 STA 37+57.45, 16.2' RT



HUDSON ST AT HIAWATHA PARK DR  
SCALE: 1" = 10'



SOUTHWEST CORNER  
SCALE: 1" = 5'



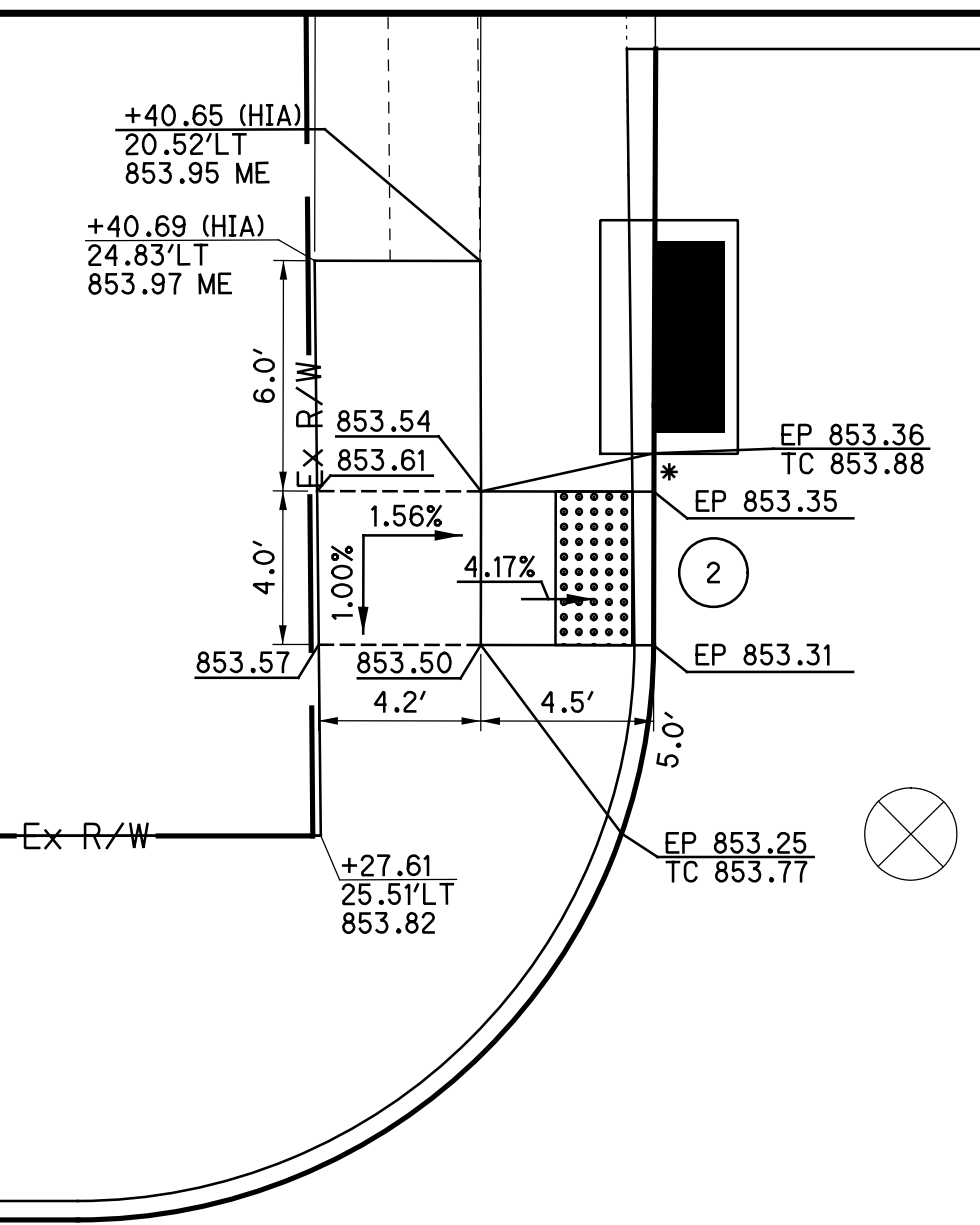
SOUTHEAST CORNER  
SCALE: 1" = 5'

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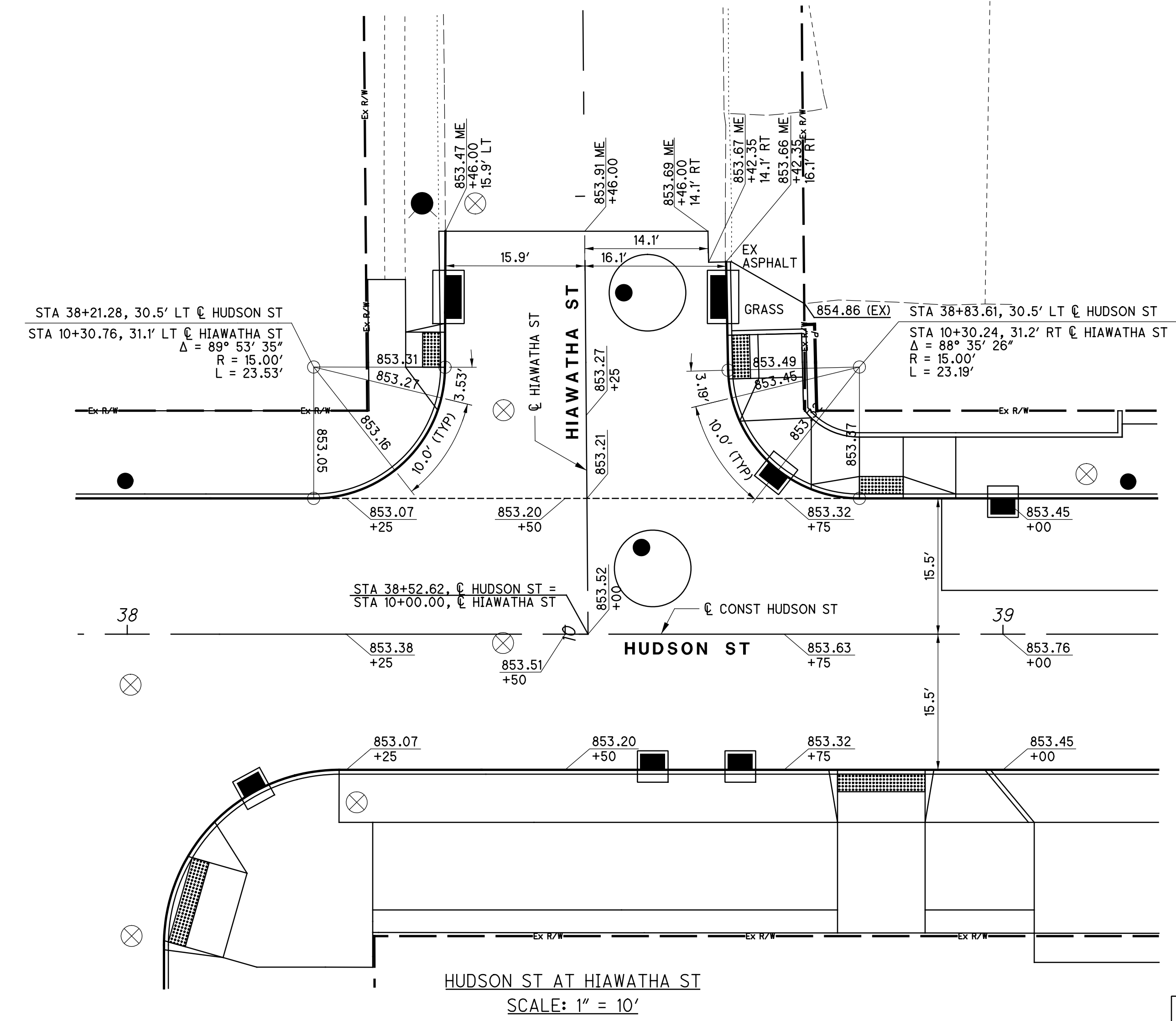
NORTHWEST CORNER  
SCALE: 1" = 5'

- CURB RAMP CENTERLINES**
- 2 STA 38+36.29, 32.5' LT
  - 3 STA 38+68.58, 31.6' LT
  - 4 STA 38+86.11, 15.5' LT
  - 5 STA 38+86.11, 15.5' RT

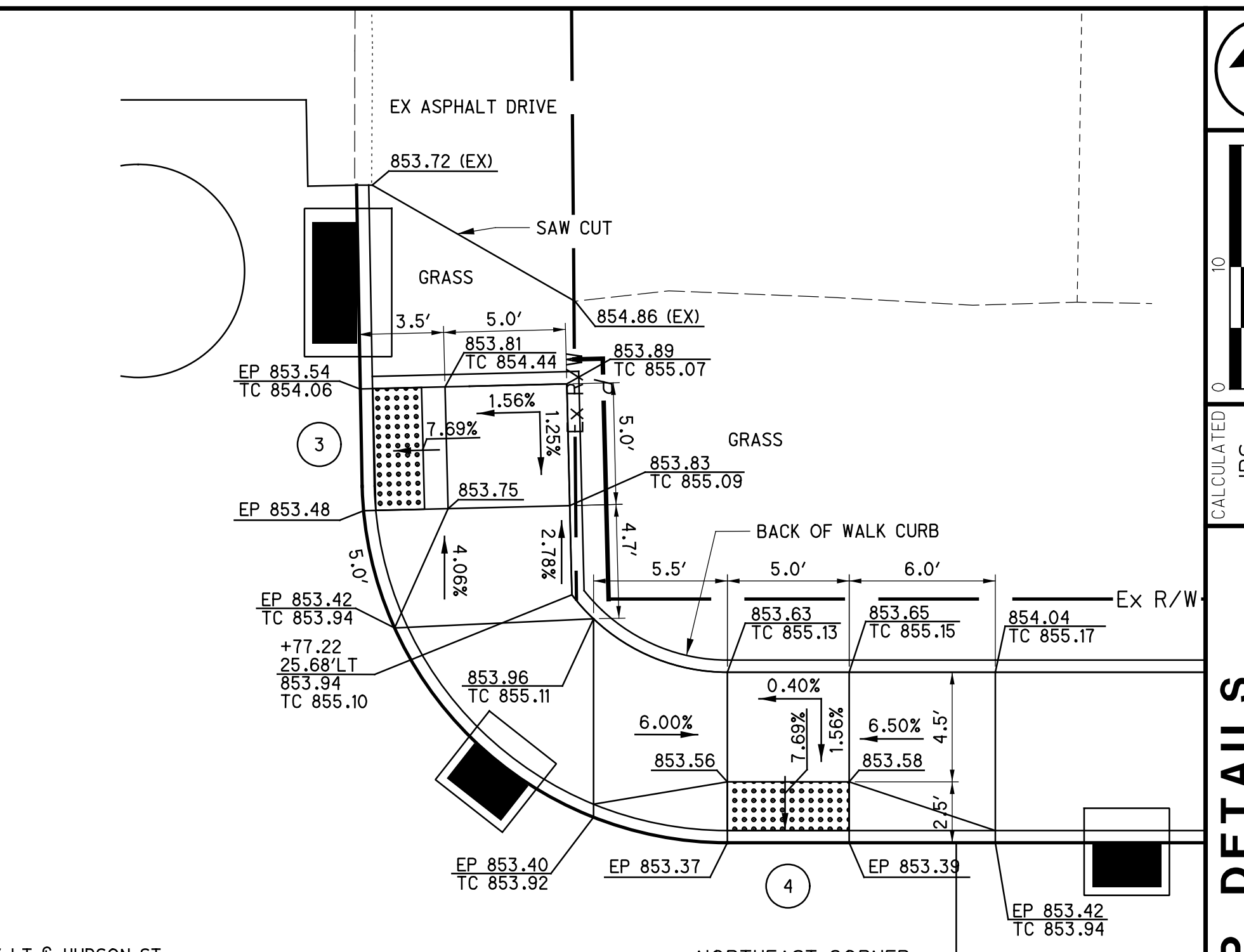
**LEGEND**

- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

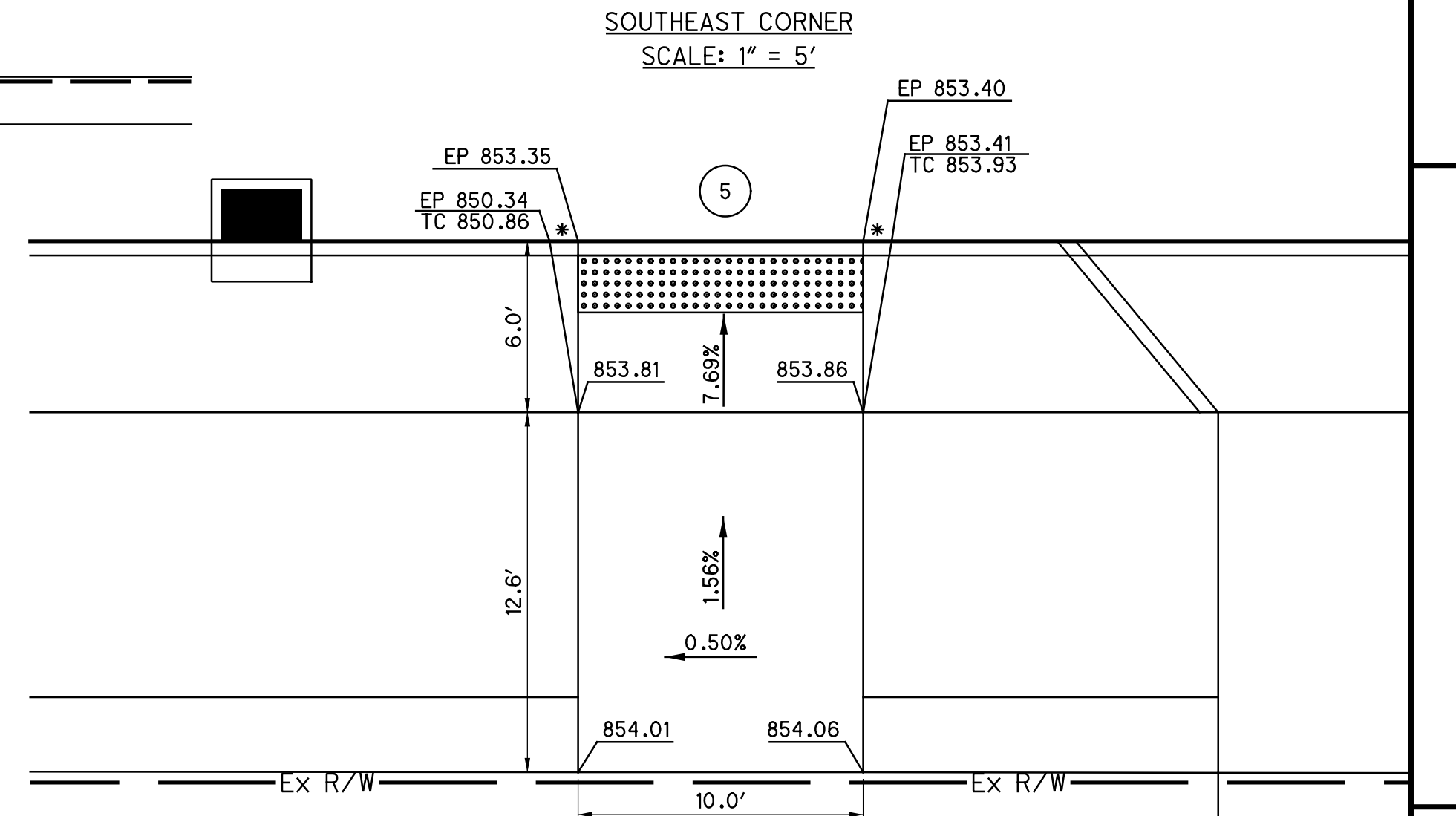
NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



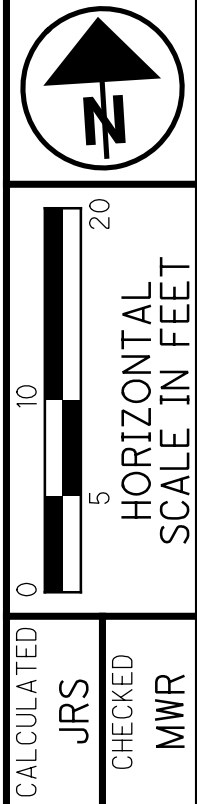
HUDSON ST AT HIAWATHA ST  
SCALE: 1" = 10'



NORTHEAST CORNER  
SCALE: 1" = 5'



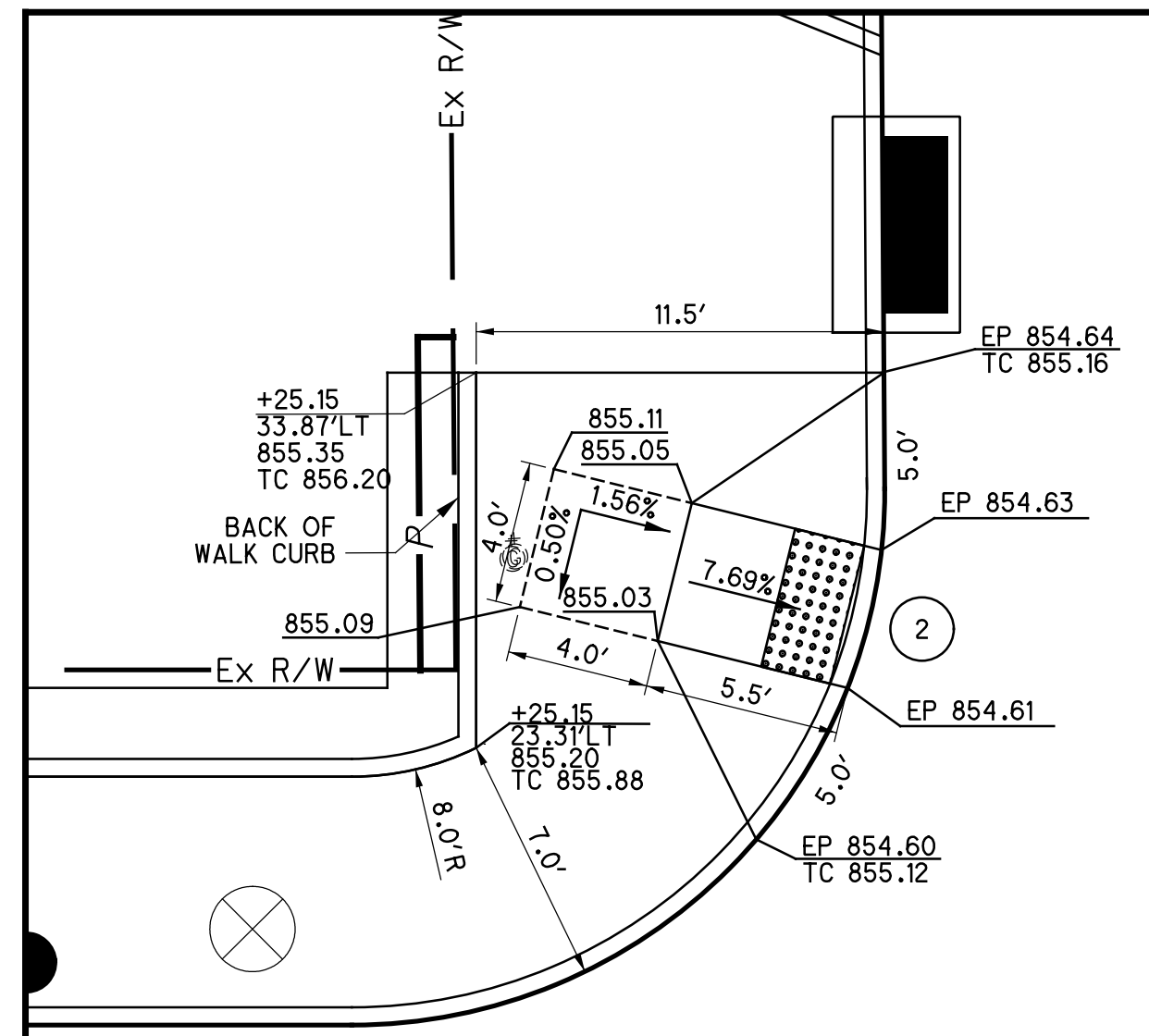
SOUTHEAST CORNER  
SCALE: 1" = 5'



**INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT HIAWATHA ST**

**HUDSON ST**

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NORTHWEST CORNER  
SCALE: 1" = 5'

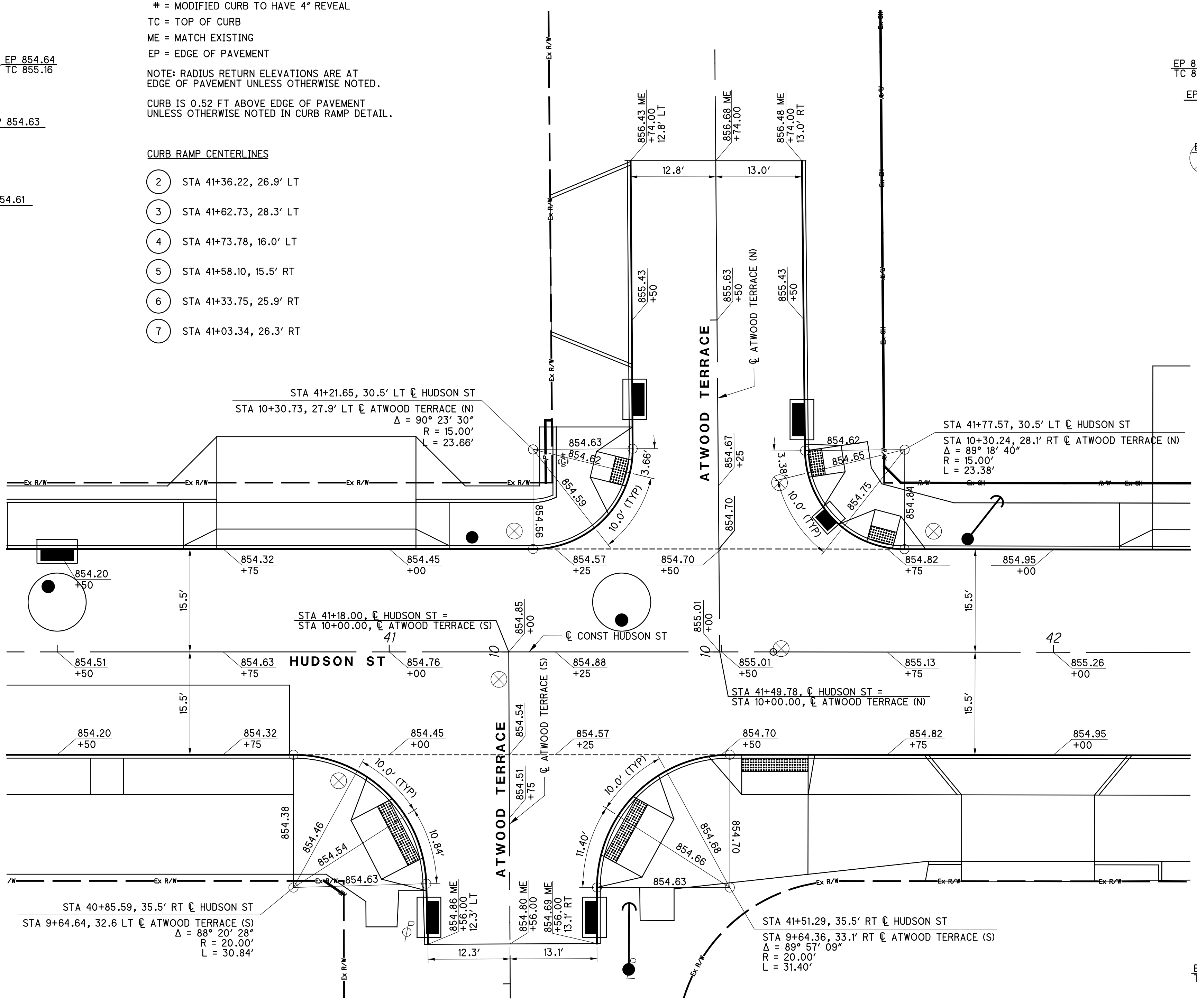
**LEGEND**

\* = 1' RAMP FLARE UNLESS OTHERWISE NOTED  
 # = MODIFIED CURB TO HAVE 4" REVEAL  
 TC = TOP OF CURB  
 ME = MATCH EXISTING  
 EP = EDGE OF PAVEMENT

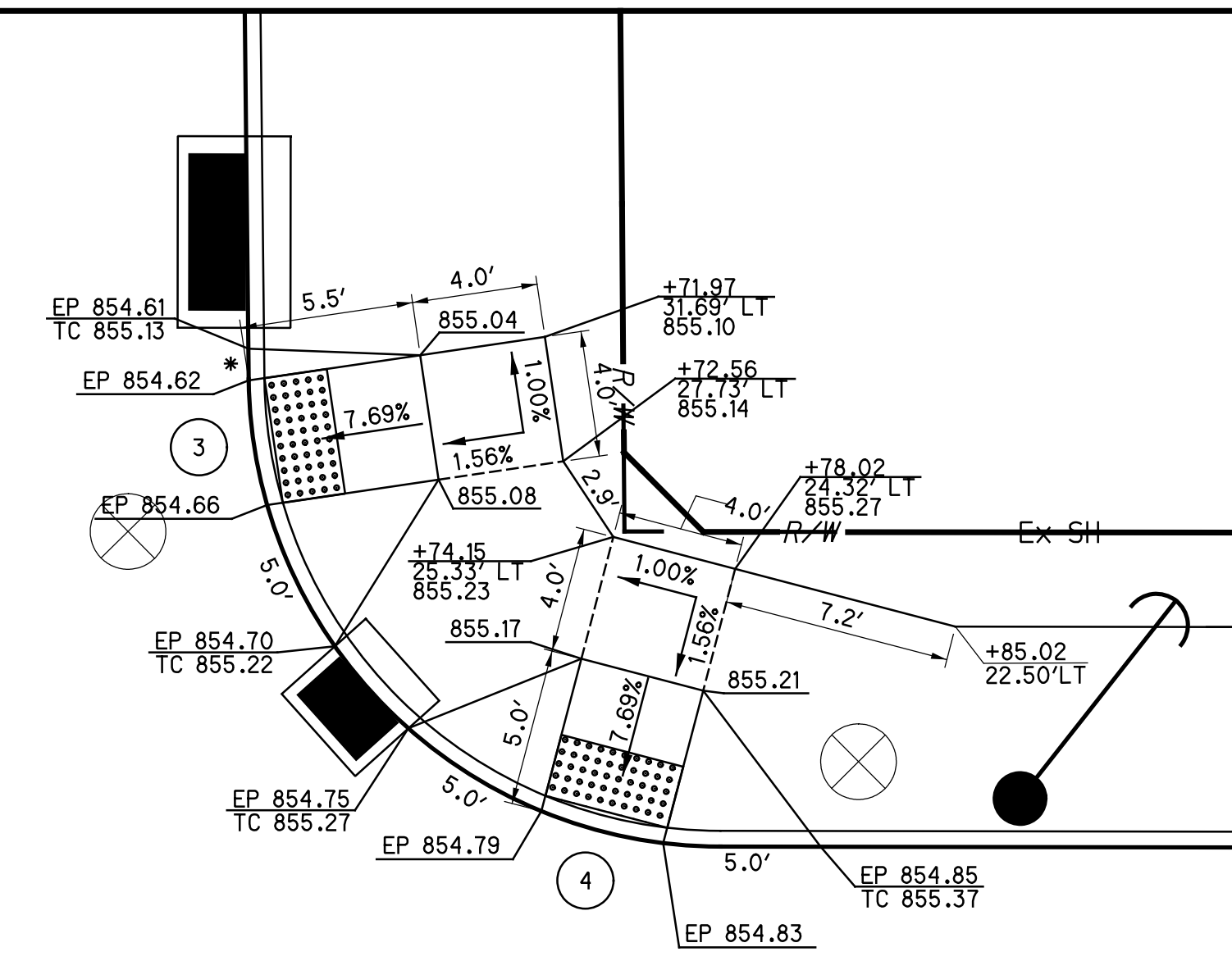
NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.

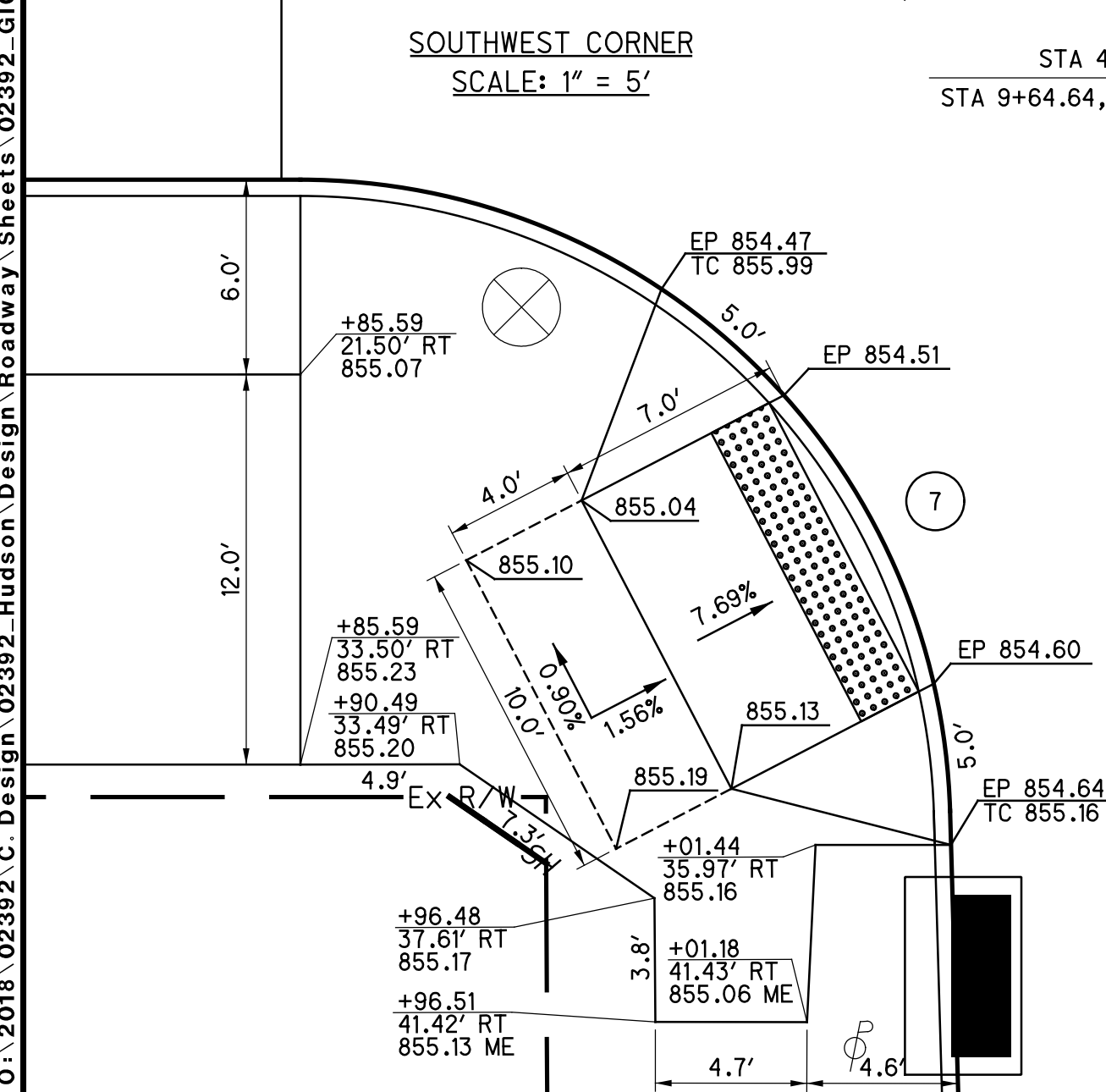
- CURB RAMP CENTERLINES**
- ② STA 41+36.22, 26.9' LT
  - ③ STA 41+62.73, 28.3' LT
  - ④ STA 41+73.78, 16.0' LT
  - ⑤ STA 41+58.10, 15.5' RT
  - ⑥ STA 41+33.75, 25.9' RT
  - ⑦ STA 41+03.34, 26.3' RT



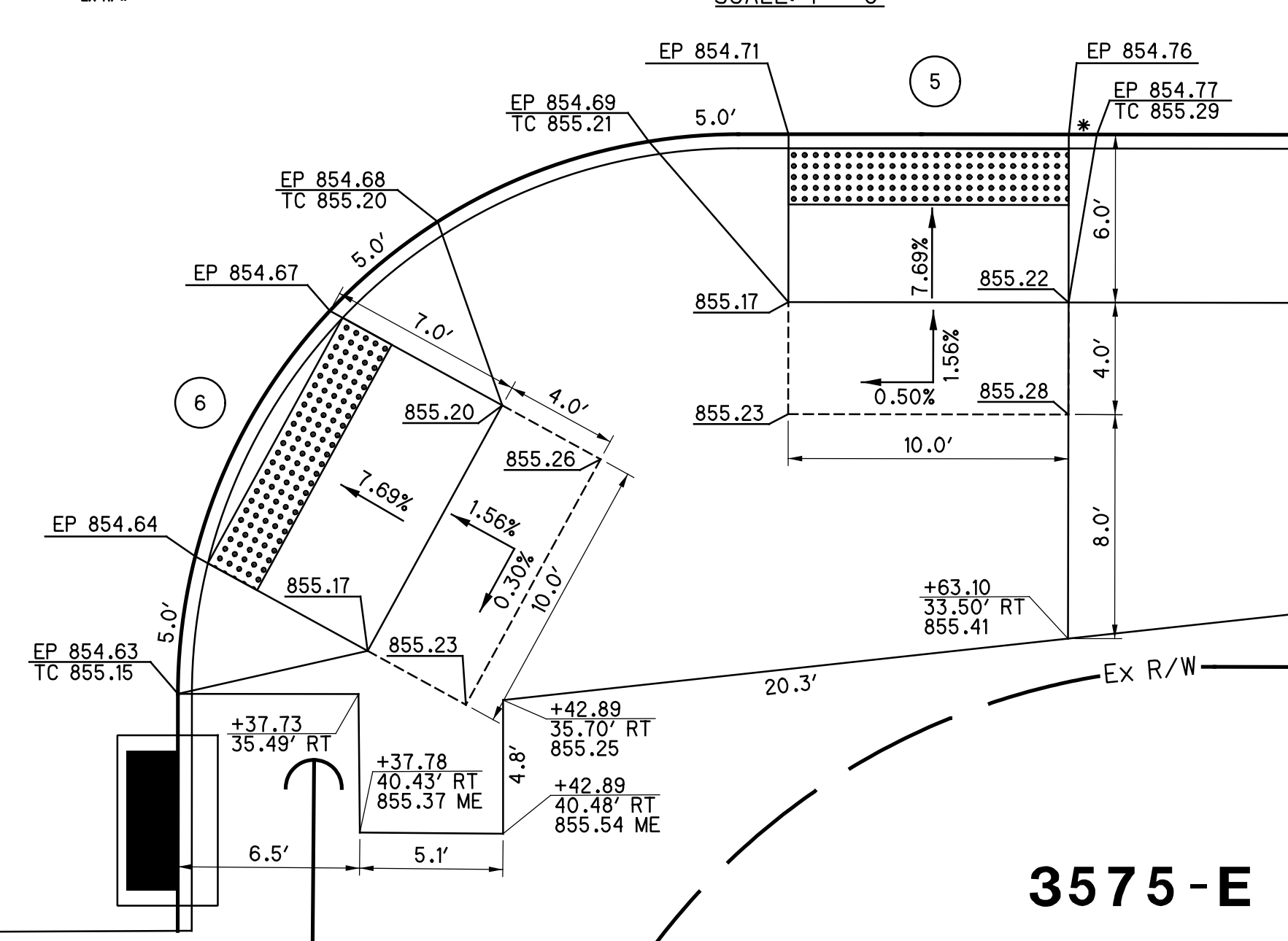
HUDSON ST AT ATWOOD TERRACE  
SCALE: 1" = 10'



NORTHEAST CORNER  
SCALE: 1" = 5'



SOUTHWEST CORNER  
SCALE: 1" = 5'



SOUTHEAST CORNER  
SCALE: 1" = 5'



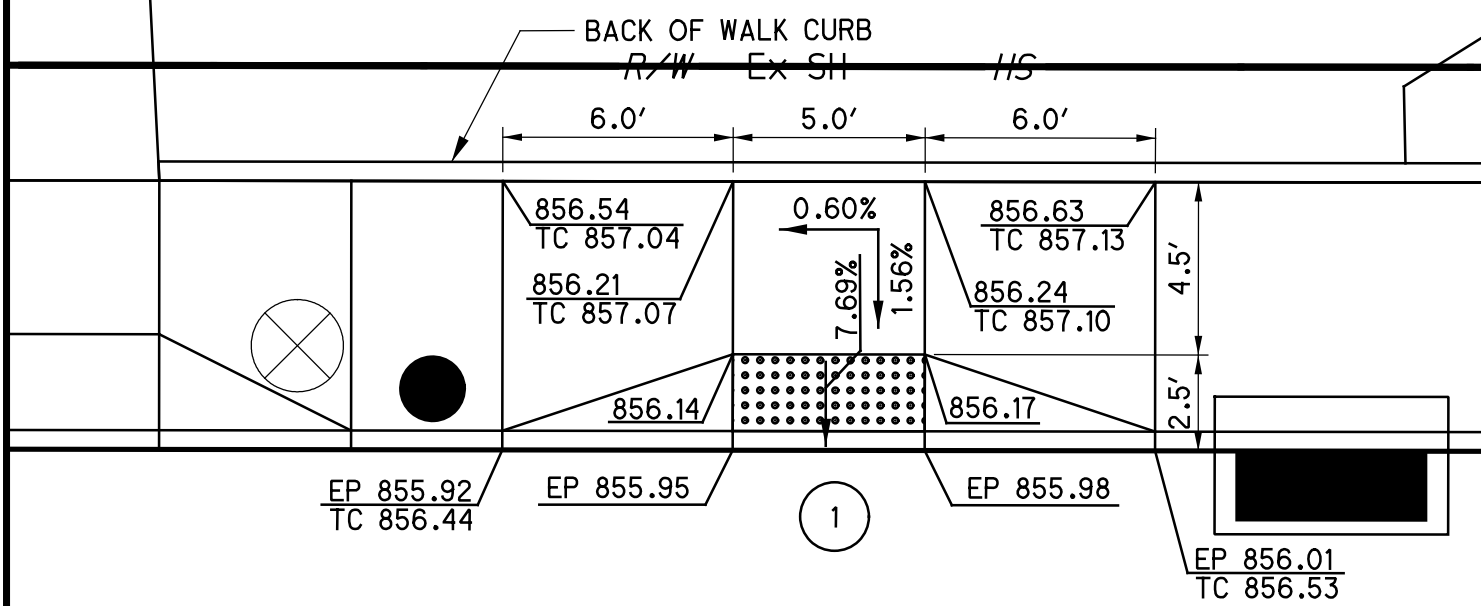
HORIZONTAL SCALE IN FEET  
 0 5 10 20  
 CALCULATED JRS  
 CHECKED MWR

INTERSECTION & CURB RAMP DETAILS  
 HUDSON ST AT ATWOOD TERRACE

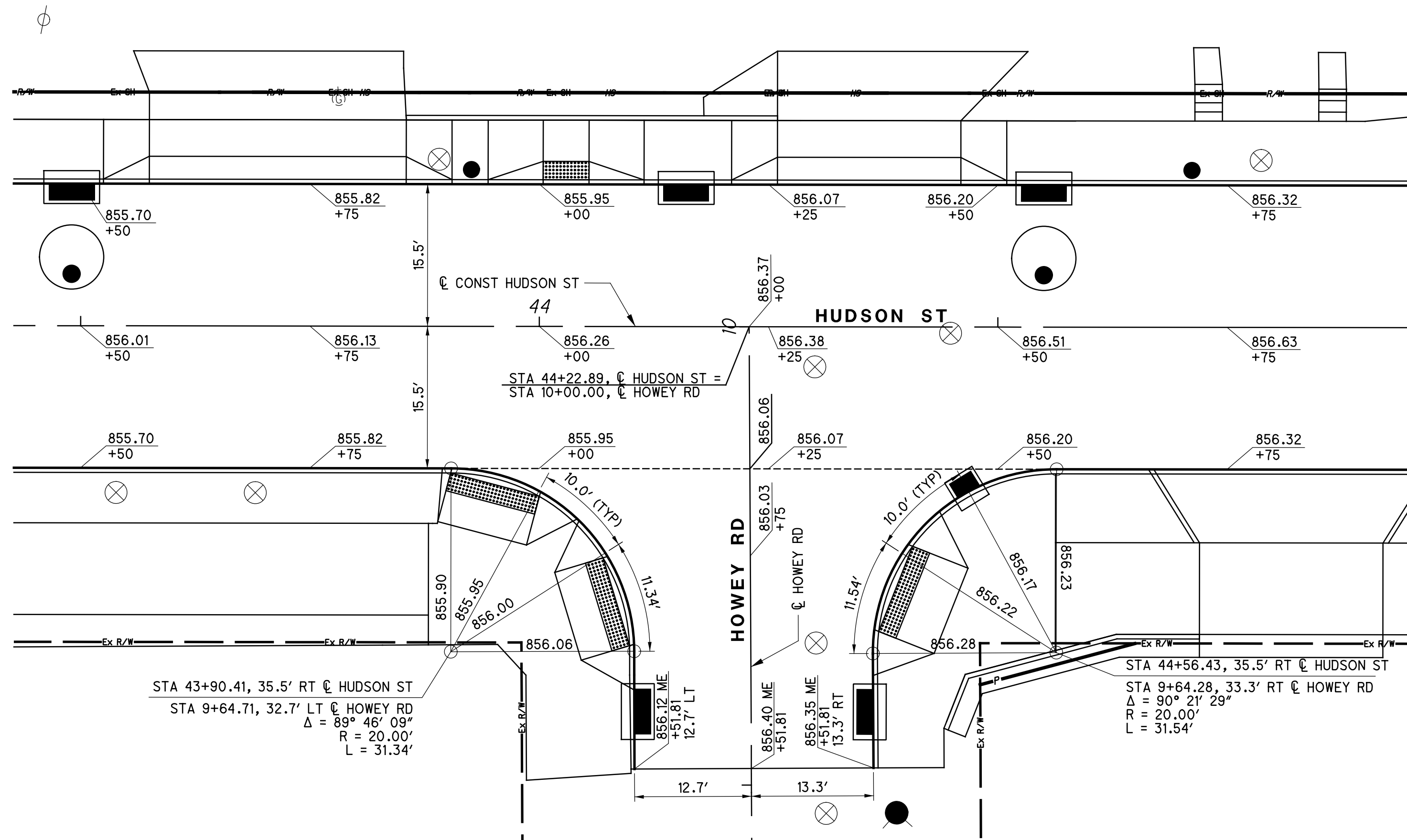
HUDSON ST

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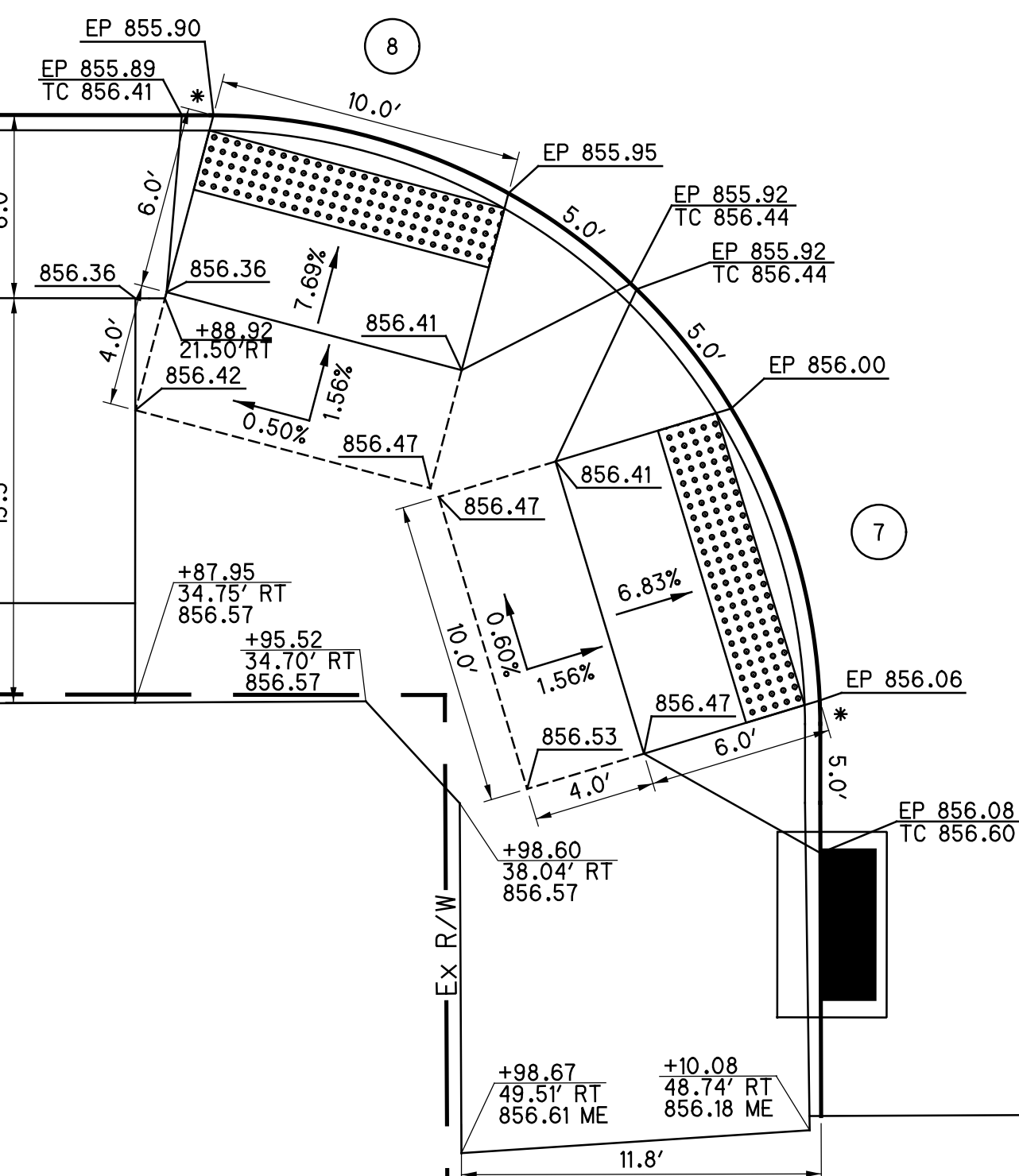


NORTHWEST CORNER  
SCALE: 1" = 5'

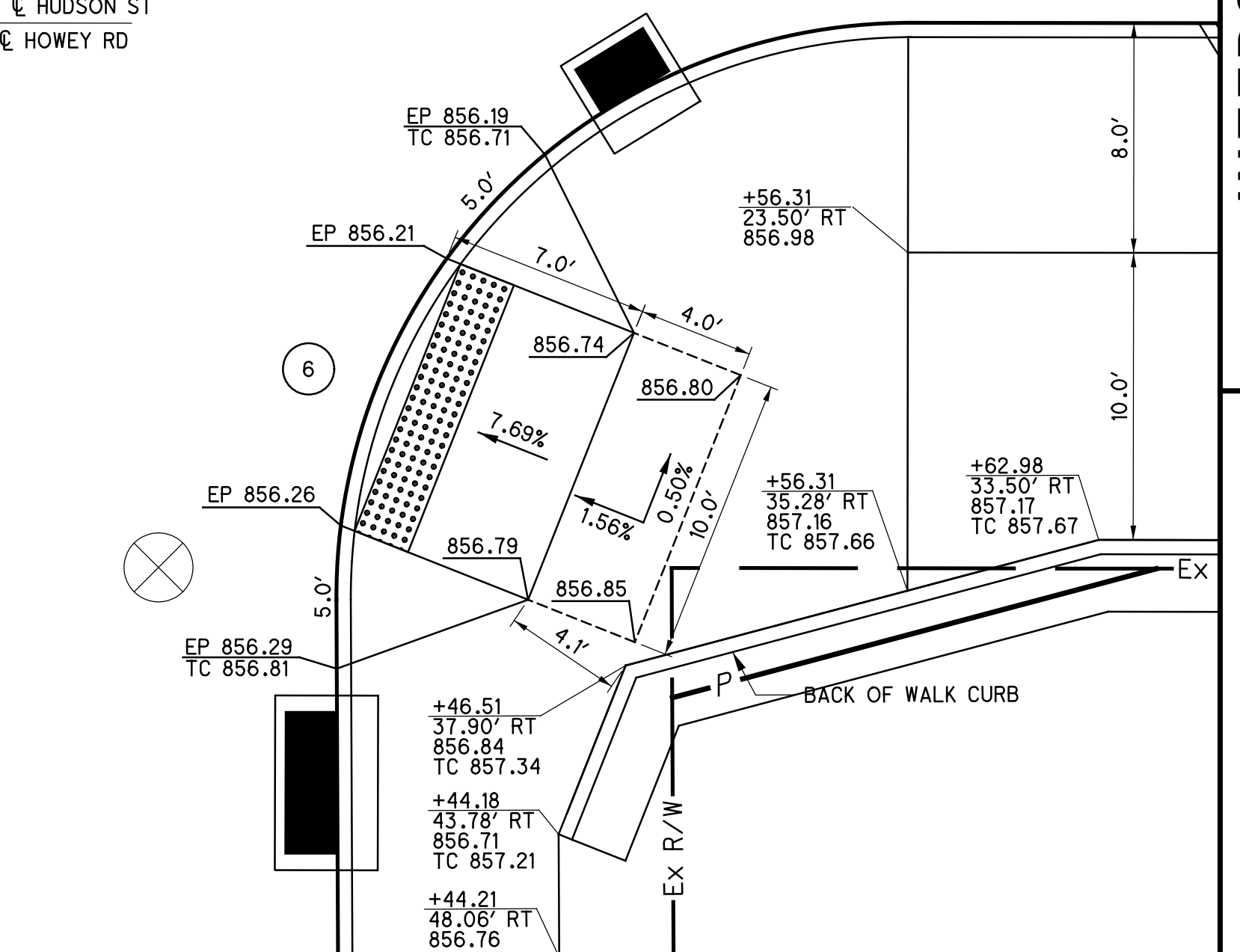


HUDSON ST AT HOWEY RD  
SCALE: 1" = 10'

SOUTHWEST CORNER  
SCALE: 1" = 5'



SOUTHEAST CORNER  
SCALE: 1" = 5'



- CURB RAMP CENTERLINES
- 1 STA 44+02.91, 15.5' LT
  - 6 STA 44+37.83, 28.2' RT
  - 7 STA 44+09.54, 29.7' RT
  - 8 STA 43+95.49, 16.2' RT

LEGEND

- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- \* = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

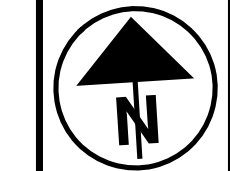
NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.

CALCULATED JRS CHECKED MWR

INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT HOWEY RD

HUDSON ST



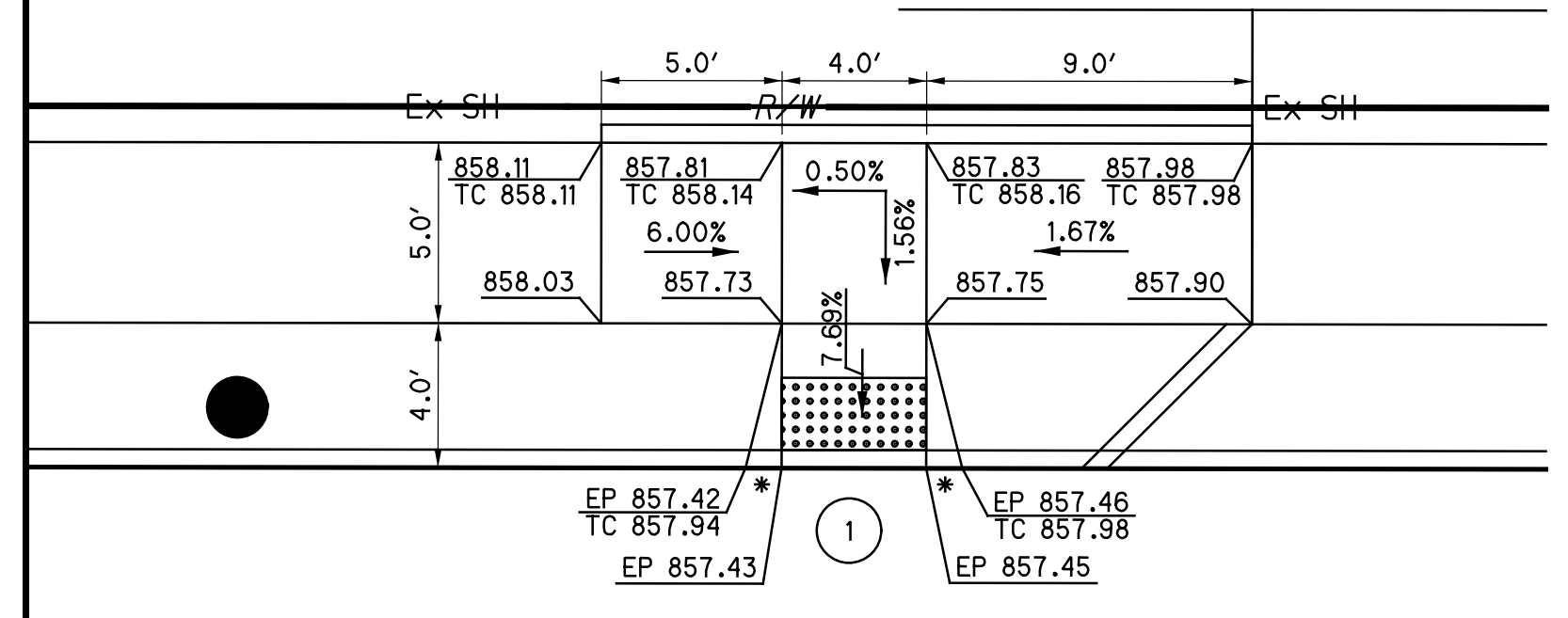
0 5 10 20  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
JRS  
CHECKED  
MWR

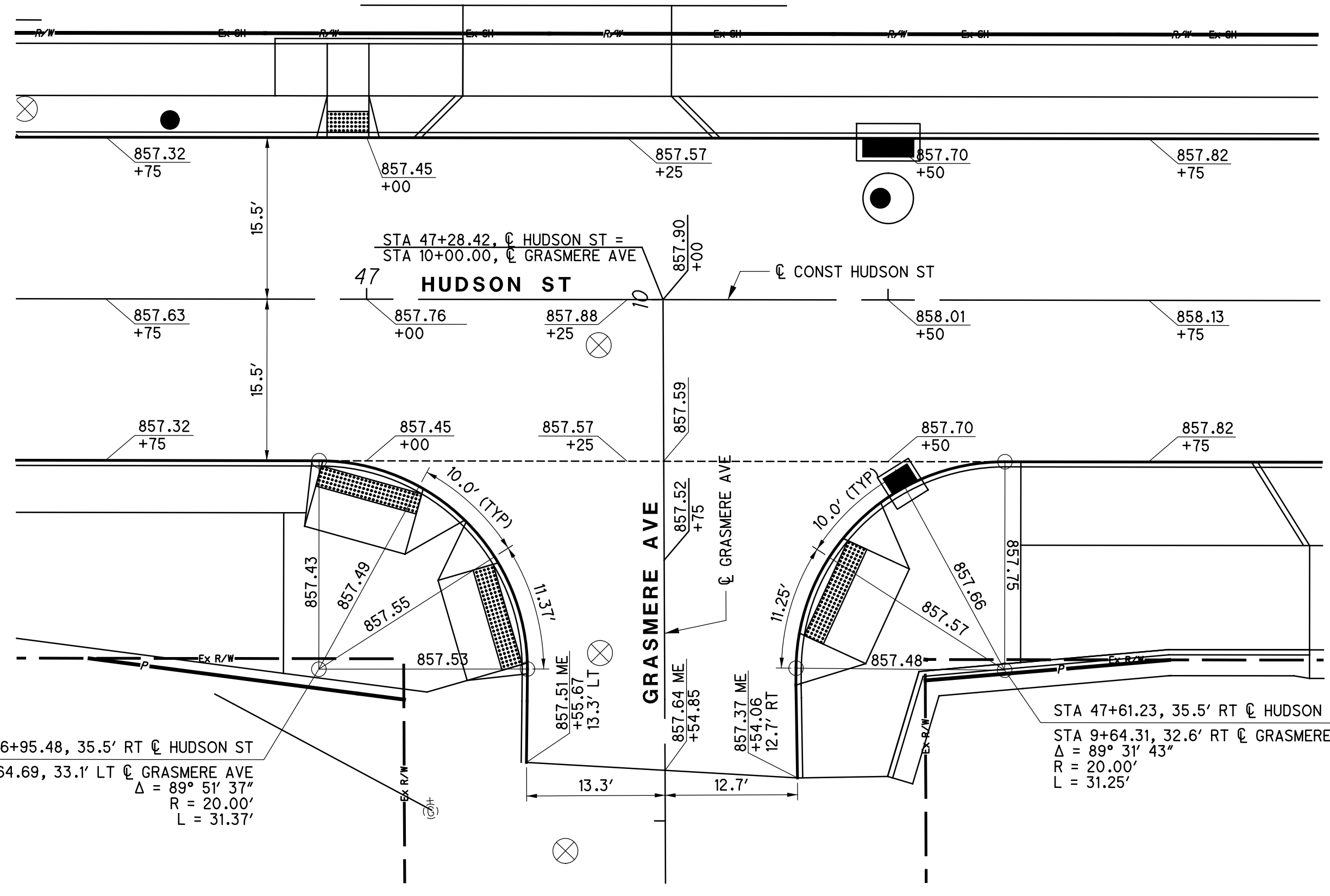
INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT GRASMERE AVE

HUDSON ST

- LEGEND**
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
  - # = MODIFIED CURB TO HAVE 4" REVEAL
  - TC = TOP OF CURB
  - ME = MATCH EXISTING
  - EP = EDGE OF PAVEMENT
- NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.
- CURB RAMP CENTERLINES**
- 1 STA 46+98.19, 15.5' LT
  - 6 STA 47+43.05, 27.2' RT
  - 7 STA 47+14.68, 29.9' RT
  - 8 STA 47+00.82, 16.2' RT



NORTHWEST CORNER  
SCALE: 1" = 5'

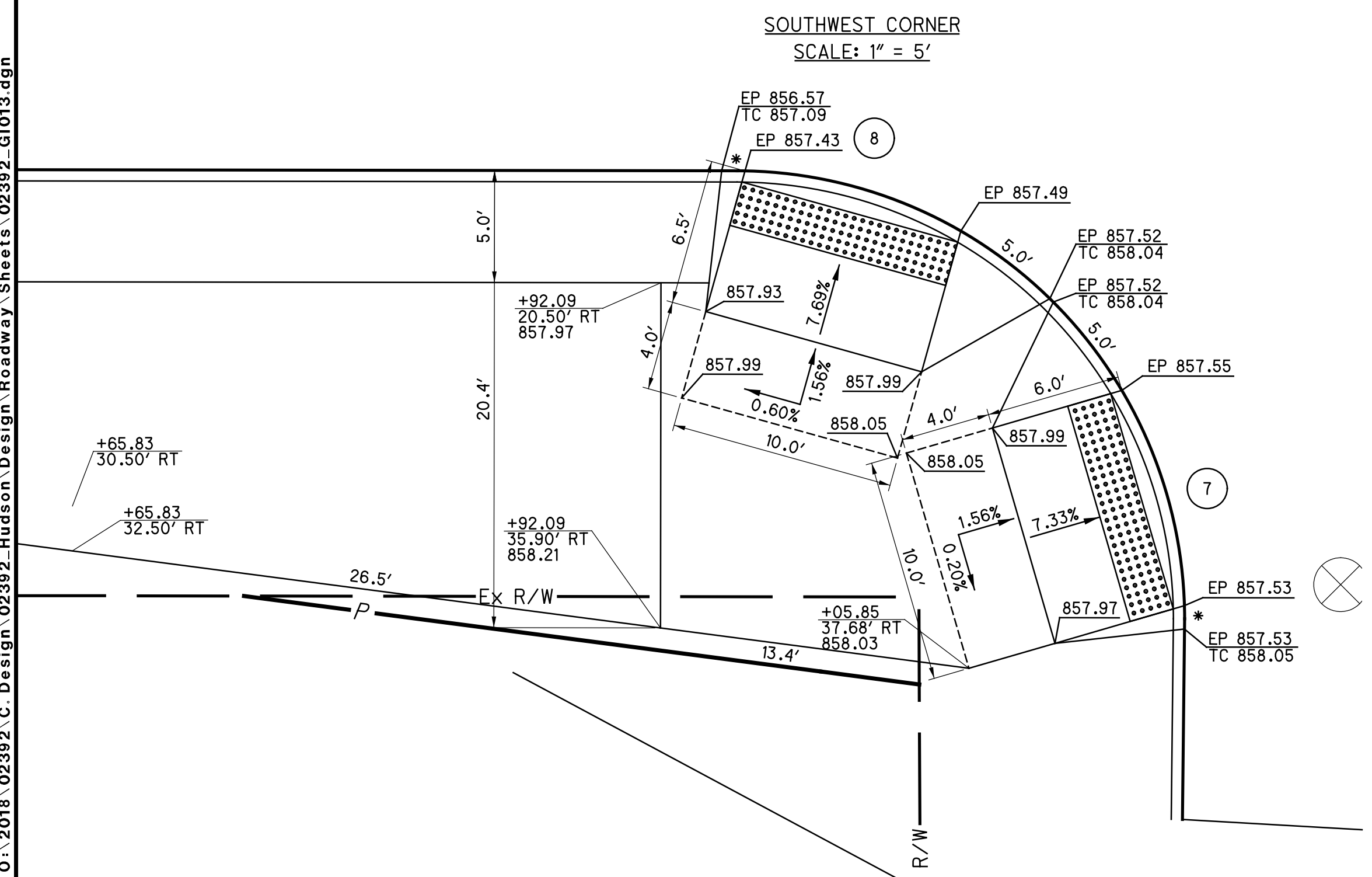


HUDSON ST AT GRASMERE AVE  
SCALE: 1" = 10'

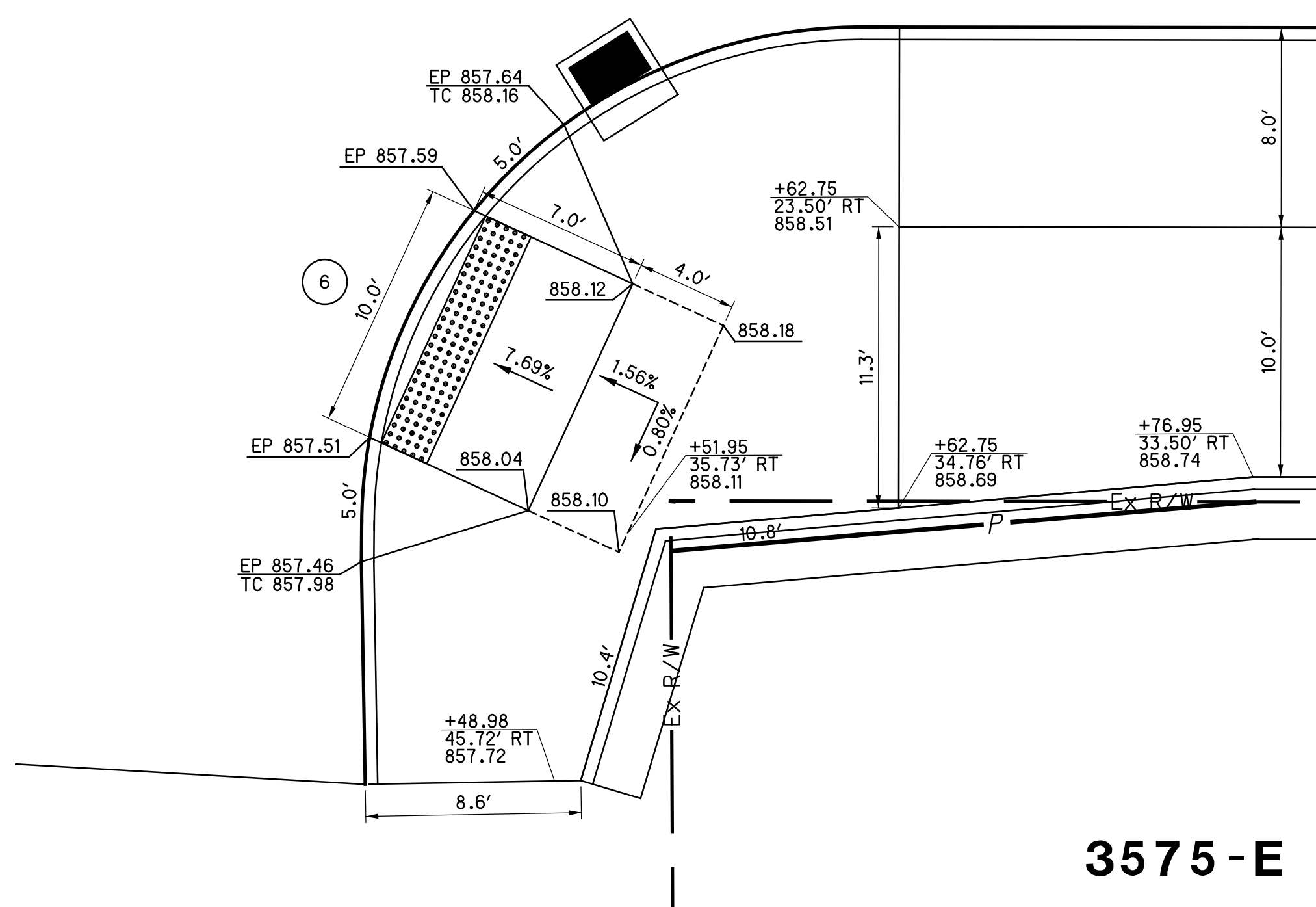
STA 46+95.48, 35.5' RT  $\oslash$  HUDSON ST  
 STA 9+64.69, 33.1' LT  $\oslash$  GRASMERE AVE  
 $\Delta = 89^\circ 51' 37''$   
 $R = 20.00'$   
 $L = 31.37'$

STA 47+61.23, 35.5' RT  $\oslash$  HUDSON ST  
 STA 9+64.31, 32.6' RT  $\oslash$  GRASMERE AVE  
 $\Delta = 89^\circ 31' 43''$   
 $R = 20.00'$   
 $L = 31.25'$

SOUTHEAST CORNER  
SCALE: 1" = 5'



SOUTHWEST CORNER  
SCALE: 1" = 5'



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soltesz 10/5/2021 10:05:15 AM  
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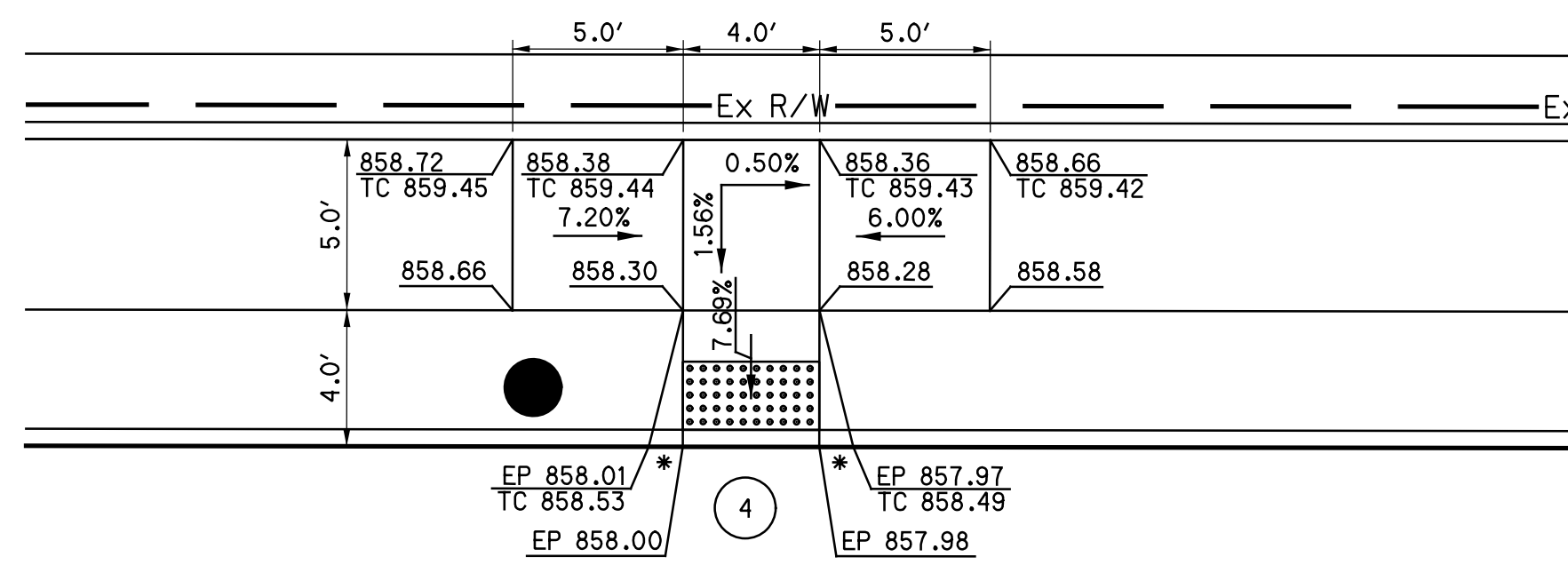
- CURB RAMP CENTERLINES**
- ④ STA 50+59.88, 15.5' LT
  - ⑤ STA 50+61.41, 16.2' RT
  - ⑥ STA 50+47.08, 30.9' RT
  - ⑦ STA 50+19.56, 29.3' RT

**LEGEND**

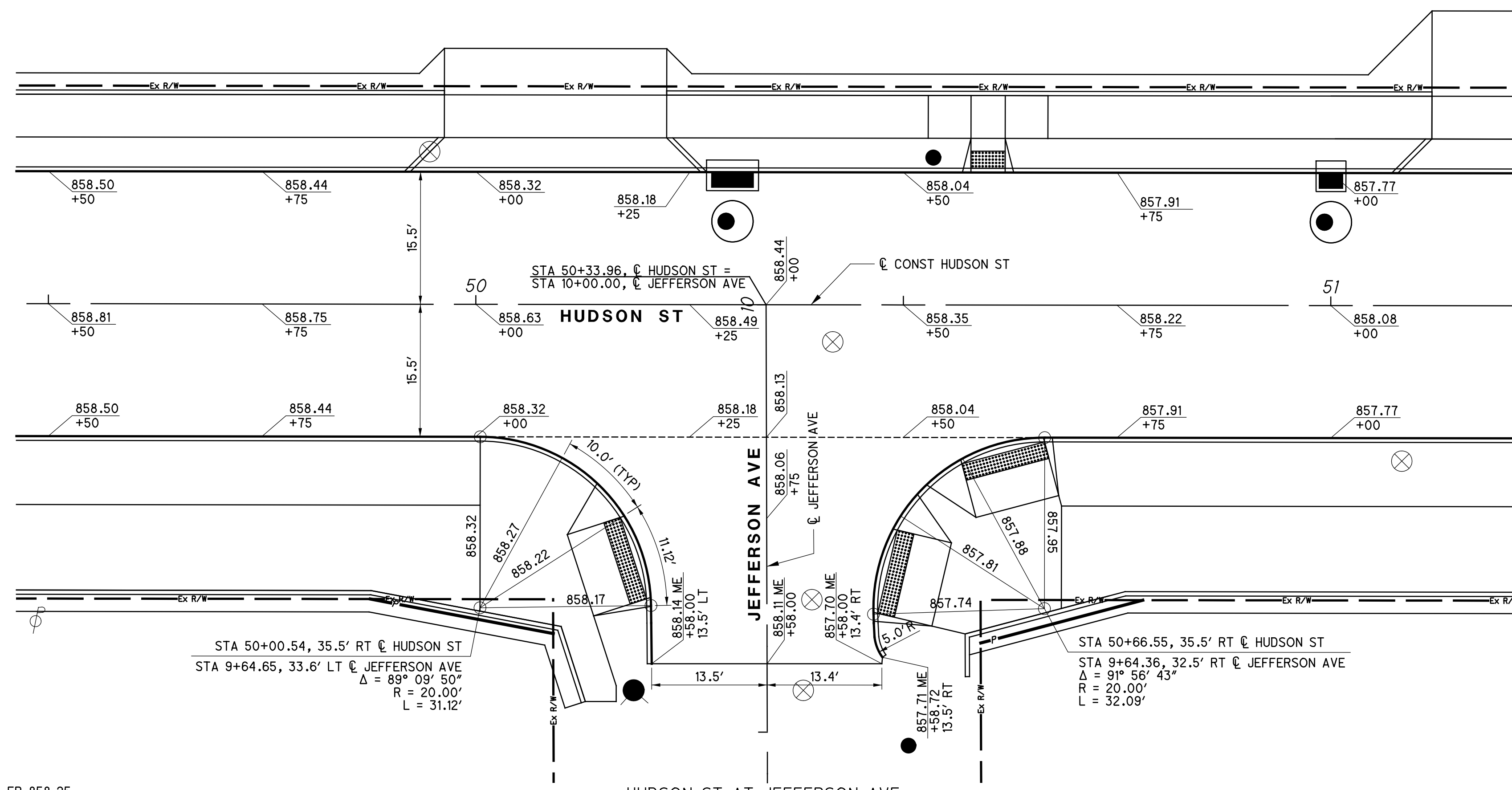
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



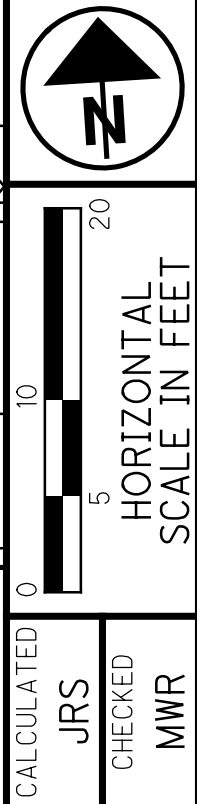
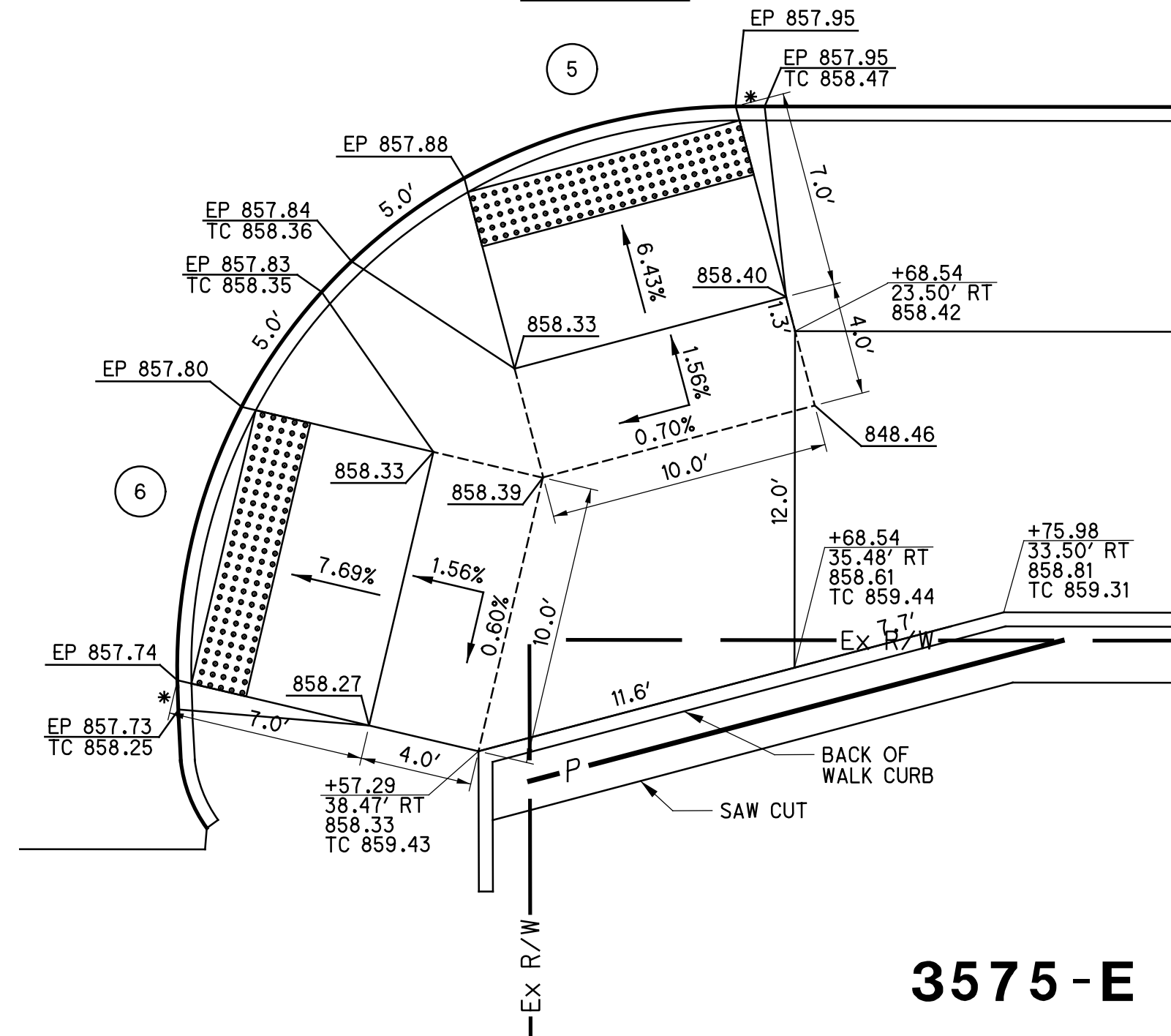
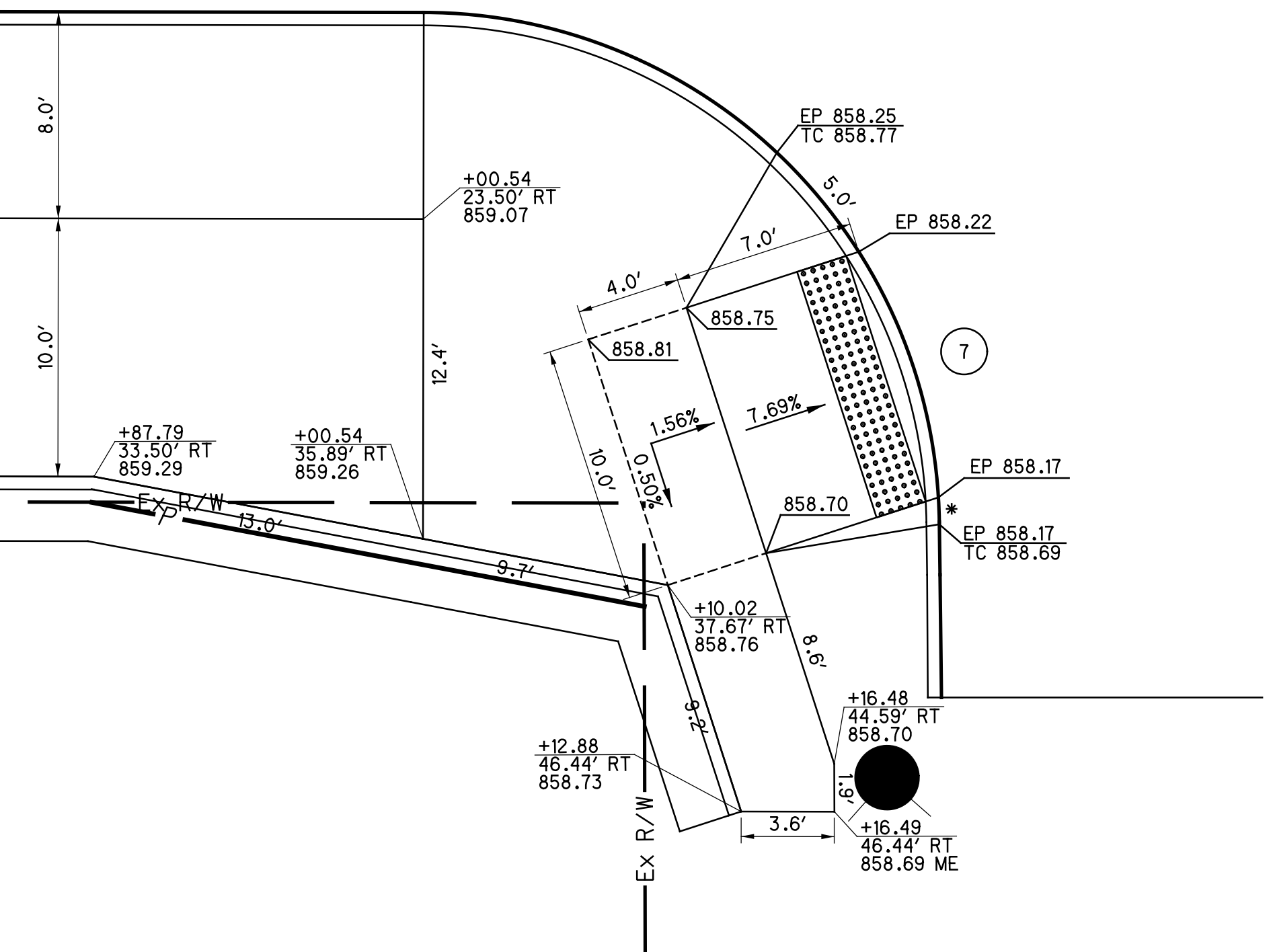
NORTHEAST CORNER  
SCALE: 1" = 5'



SOUTHWEST CORNER  
SCALE: 1" = 5'

HUDSON ST AT JEFFERSON AVE  
SCALE: 1" = 10'

SOUTHEAST CORNER  
SCALE: 1" = 5'



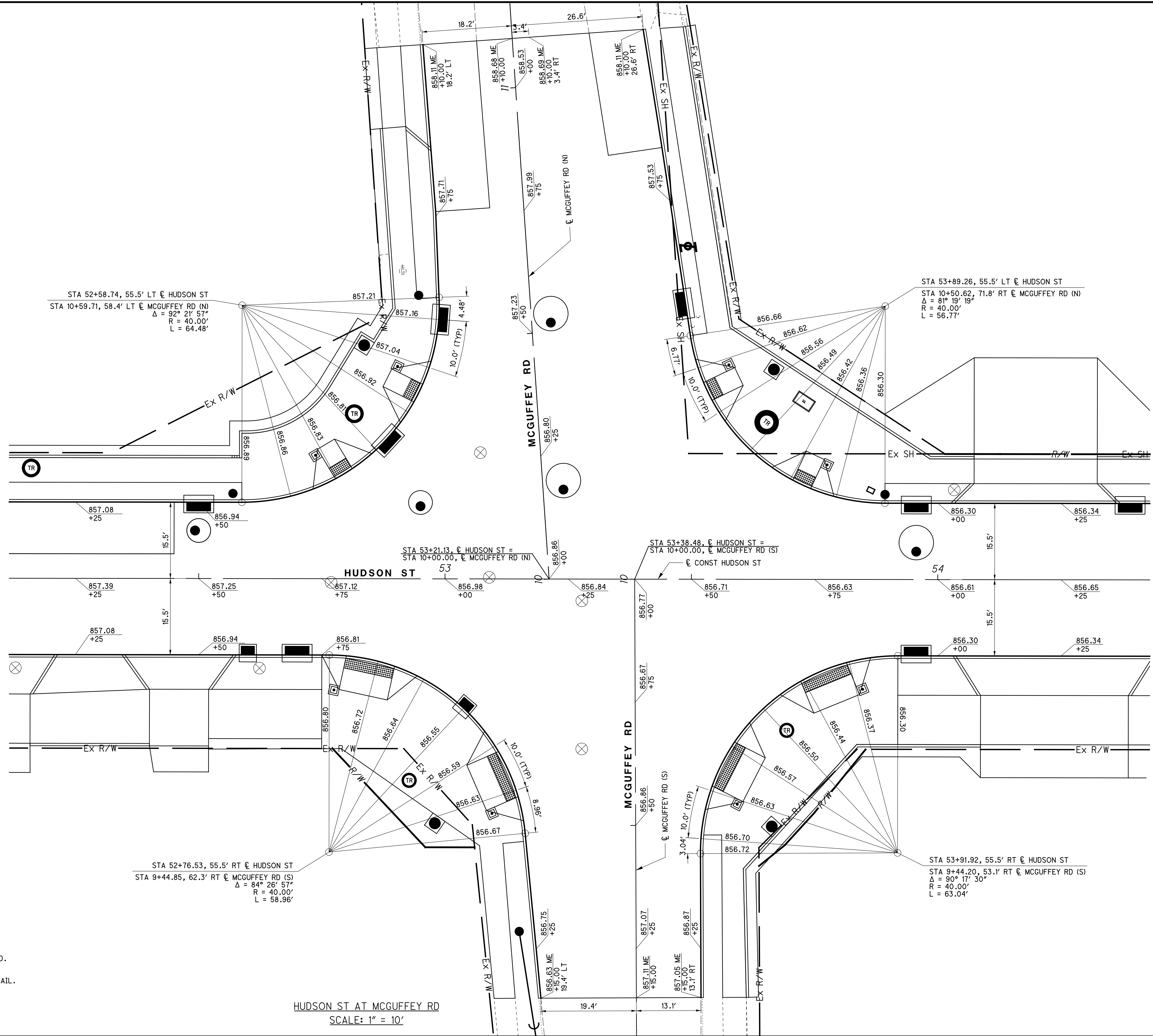
**INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT JEFFERSON AVE**

**HUDSON ST**

CALCULATED  
JRS  
CHECKED  
MWR

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NOTE: RADIUS RETURN ELEVATIONS ARE AT  
EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT  
UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.  
SEE SHEET 271 FOR CURB RAMP DETAILS



HUDSON ST AT MCGUFFEY RD  
SCALE: 1" = 10'

CALCULATED	JRS
CHECKED	MWR

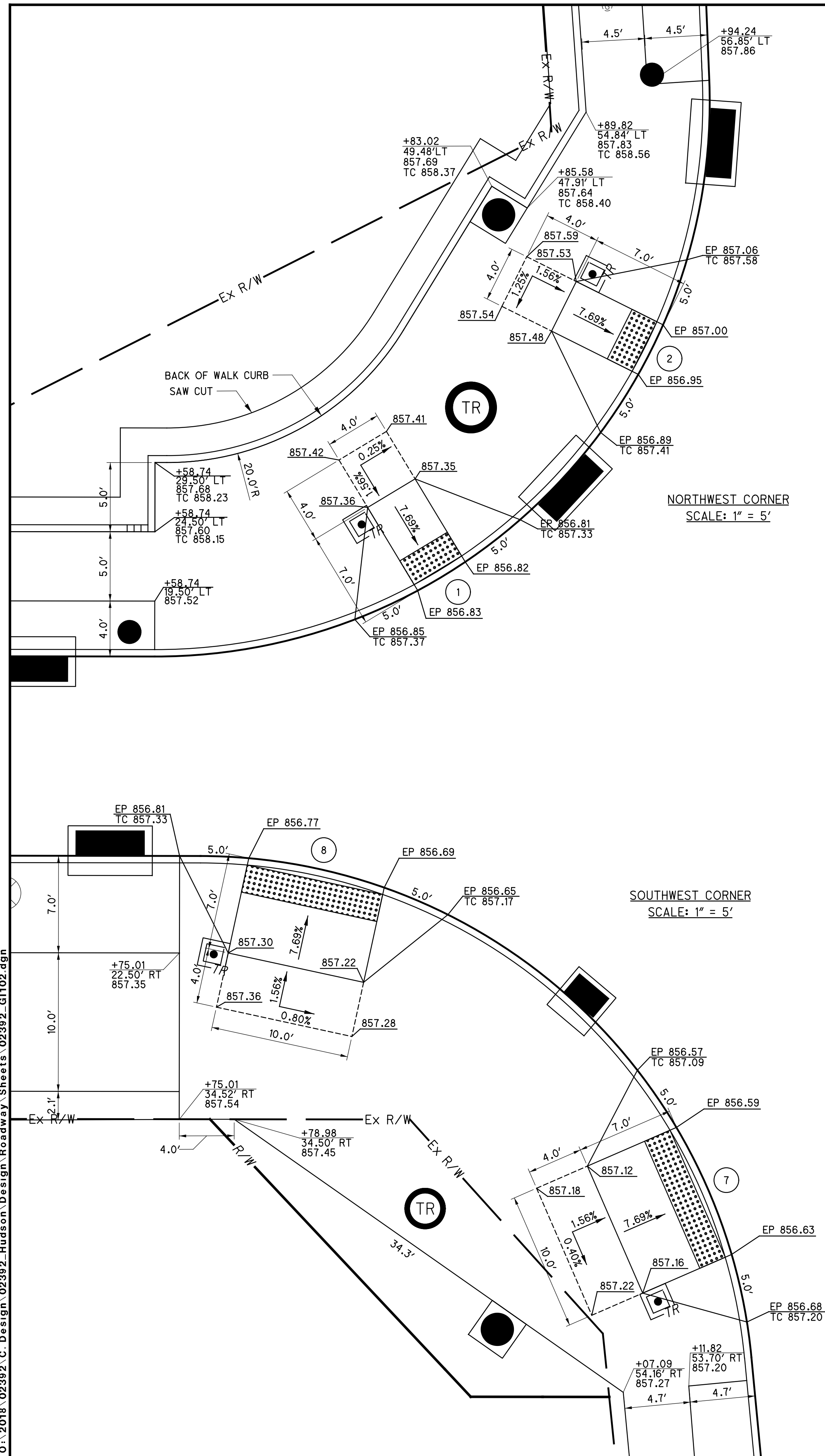
INTERSECTION DETAILS  
HUDSON ST AT MCGUFFEY RD

HUDSON ST

270  
535

3575-E

soltesz  
 10/5/2021 10:05:16 AM  
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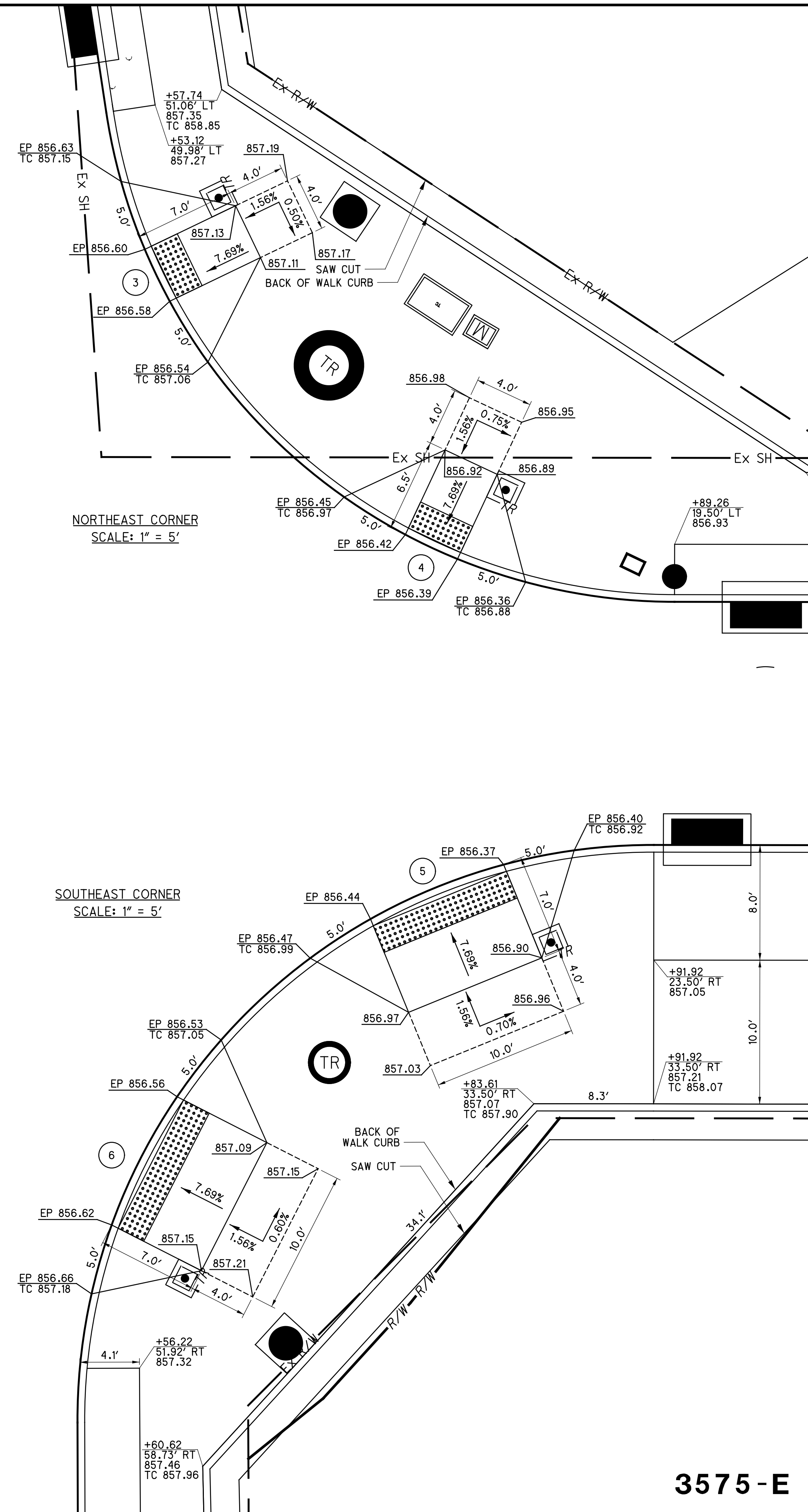
- CURB RAMP CENTERLINES**
- 1 STA 52+79.46, 21.3' LT
  - 2 STA 52+94.56, 37.7' LT
  - 3 STA 53+53.23, 38.1' LT
  - 4 STA 53+72.34, 19.3' LT
  - 5 STA 53+76.74, 18.5' RT
  - 6 STA 53+56.26, 37.4' RT
  - 7 STA 53+13.19, 39.5' RT
  - 8 STA 52+84.96, 16.4' RT

**LEGEND**

- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



**CURB RAMP DETAILS**  
**HUDSON ST AT MCGUFFEY RD**  
**HUDSON ST**

2.5'  
HORIZONTAL  
SCALE IN FEET

0 5 10

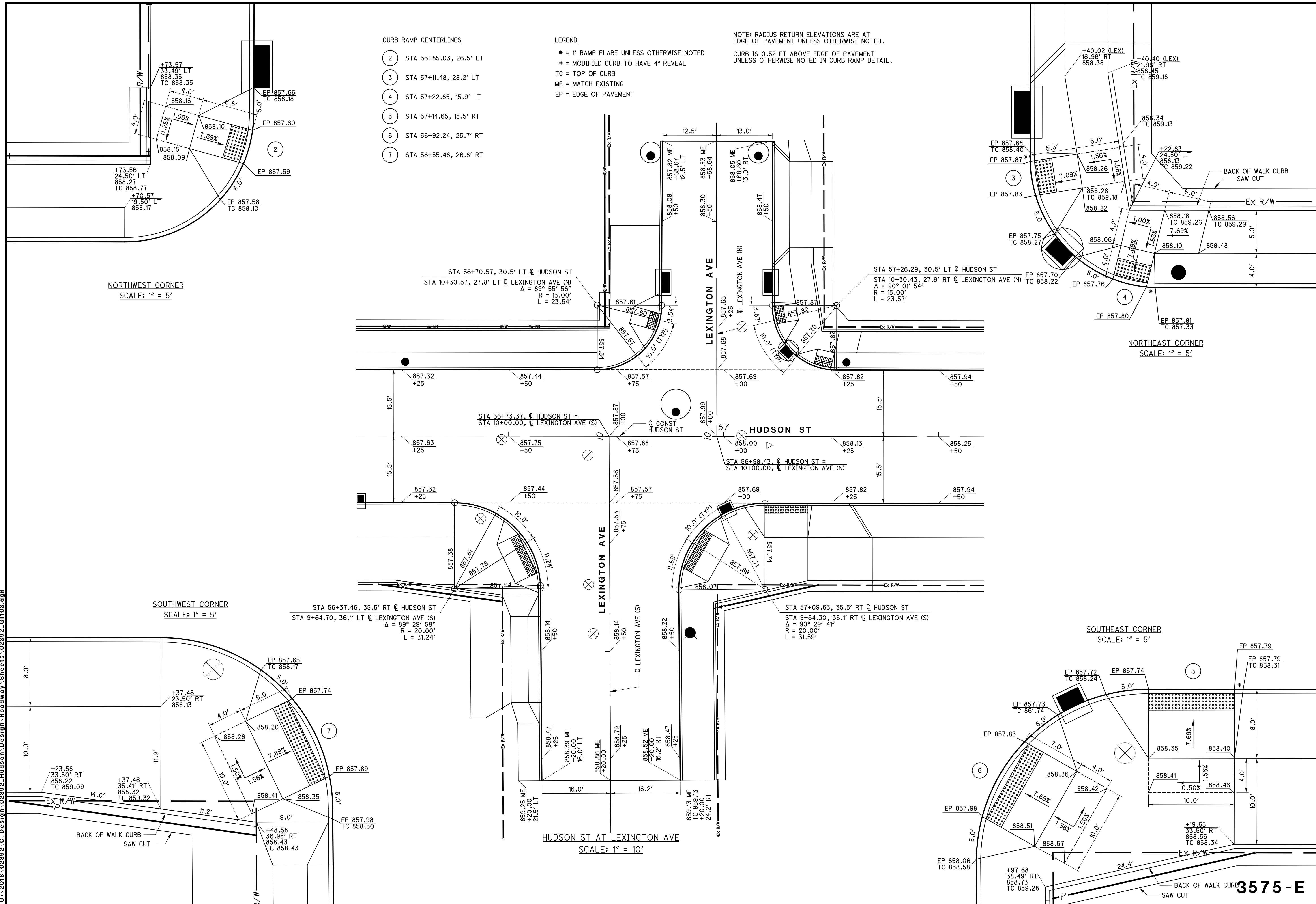
↑

271  
535

CALCULATED: JRS  
 CHECKED: MWR

SEE SHEET 270 FOR INTERSECTION DETAILS

3575-E



**CURB RAMP CENTERLINES**

- 2 STA 56+85.03, 26.5' LT
- 3 STA 57+11.48, 28.2' LT
- 4 STA 57+22.85, 15.9' LT
- 5 STA 57+14.65, 15.5' RT
- 6 STA 56+92.24, 25.7' RT
- 7 STA 56+55.48, 26.8' RT

**LEGEND**

- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT  
EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT  
UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.

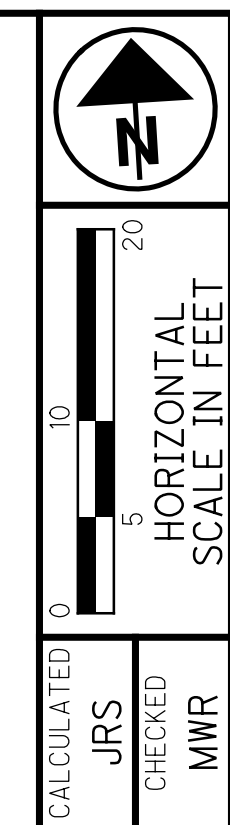
NORTHWEST CORNER  
SCALE: 1" = 5'

SOUTHWEST CORNER  
SCALE: 1" = 5'

NORTHEAST CORNER  
SCALE: 1" = 5'

SOUTHEAST CORNER  
SCALE: 1" = 5'

HUDSON ST AT LEXINGTON AVE  
SCALE: 1" = 10'



**INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT LEXINGTON AVE**

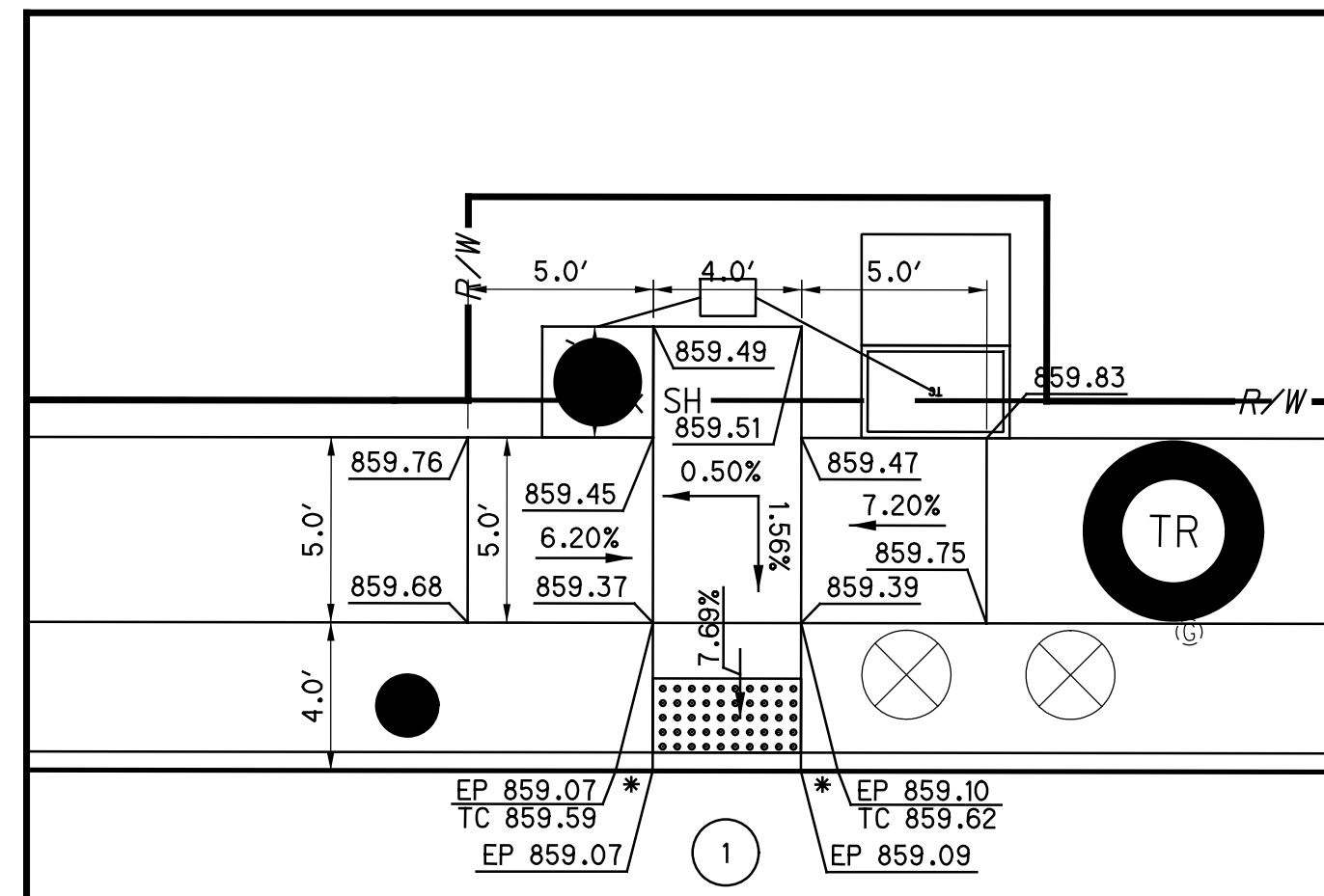
**HUDSON ST**

3575-E

CALCULATED  
JRS  
CHECKED  
MWR



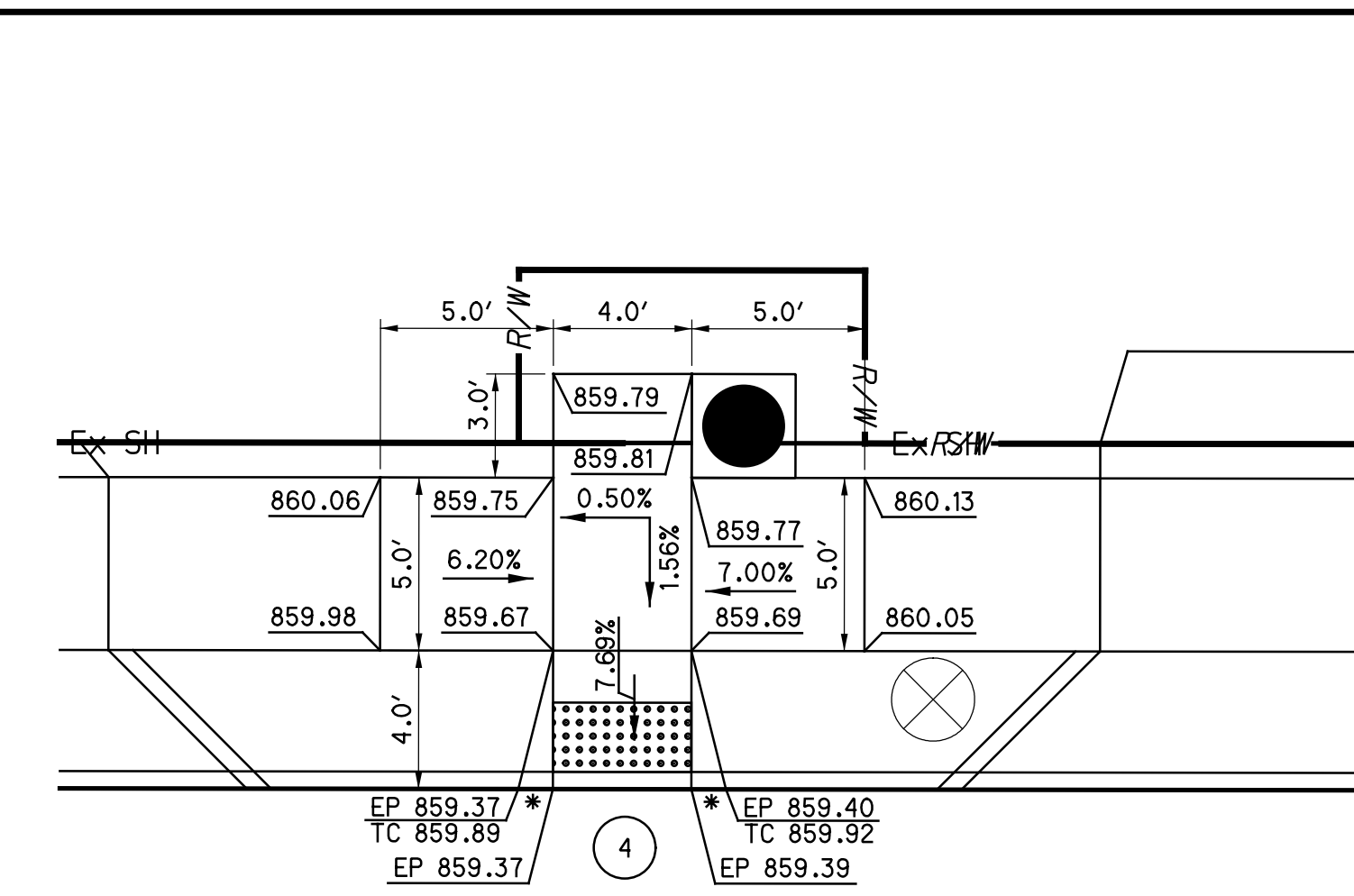
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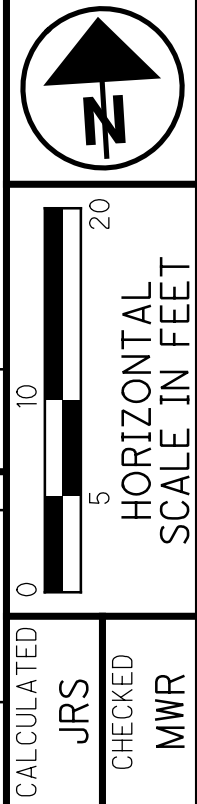
NORTHWEST CORNER  
SCALE: 1" = 5'

- CURB RAMP CENTERLINES**
- 1 STA 59+77.96, 15.5' LT
  - 4 STA 60+38.12, 15.5' LT
  - 5 STA 60+37.95, 16.3' RT
  - 6 STA 60+25.44, 27.3' RT
  - 7 STA 59+92.54, 29.7' RT
  - 8 STA 59+78.67, 16.2' RT

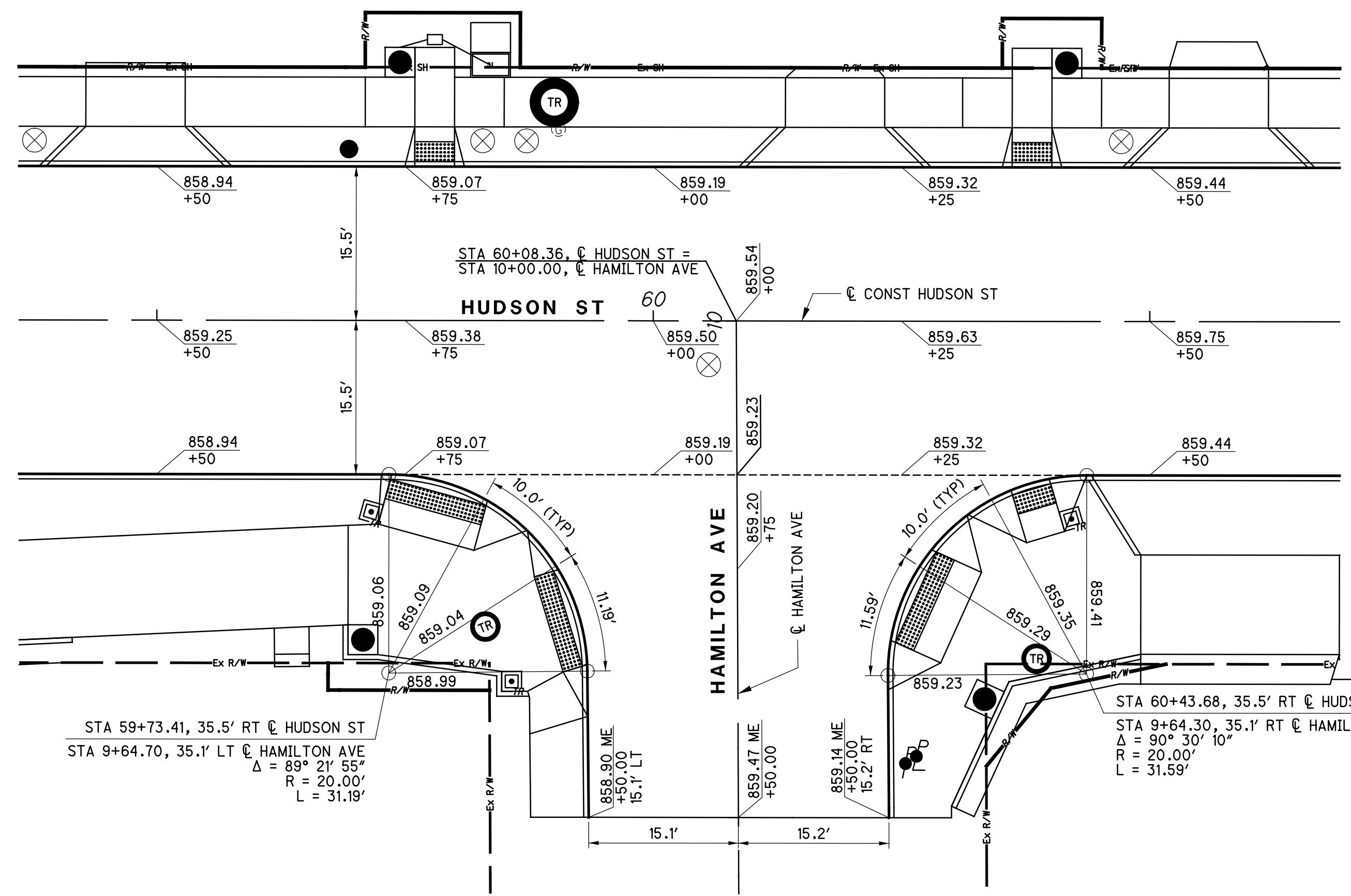
- LEGEND**
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
  - # = MODIFIED CURB TO HAVE 4" REVEAL
  - TC = TOP OF CURB
  - ME = MATCH EXISTING
  - EP = EDGE OF PAVEMENT
- NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



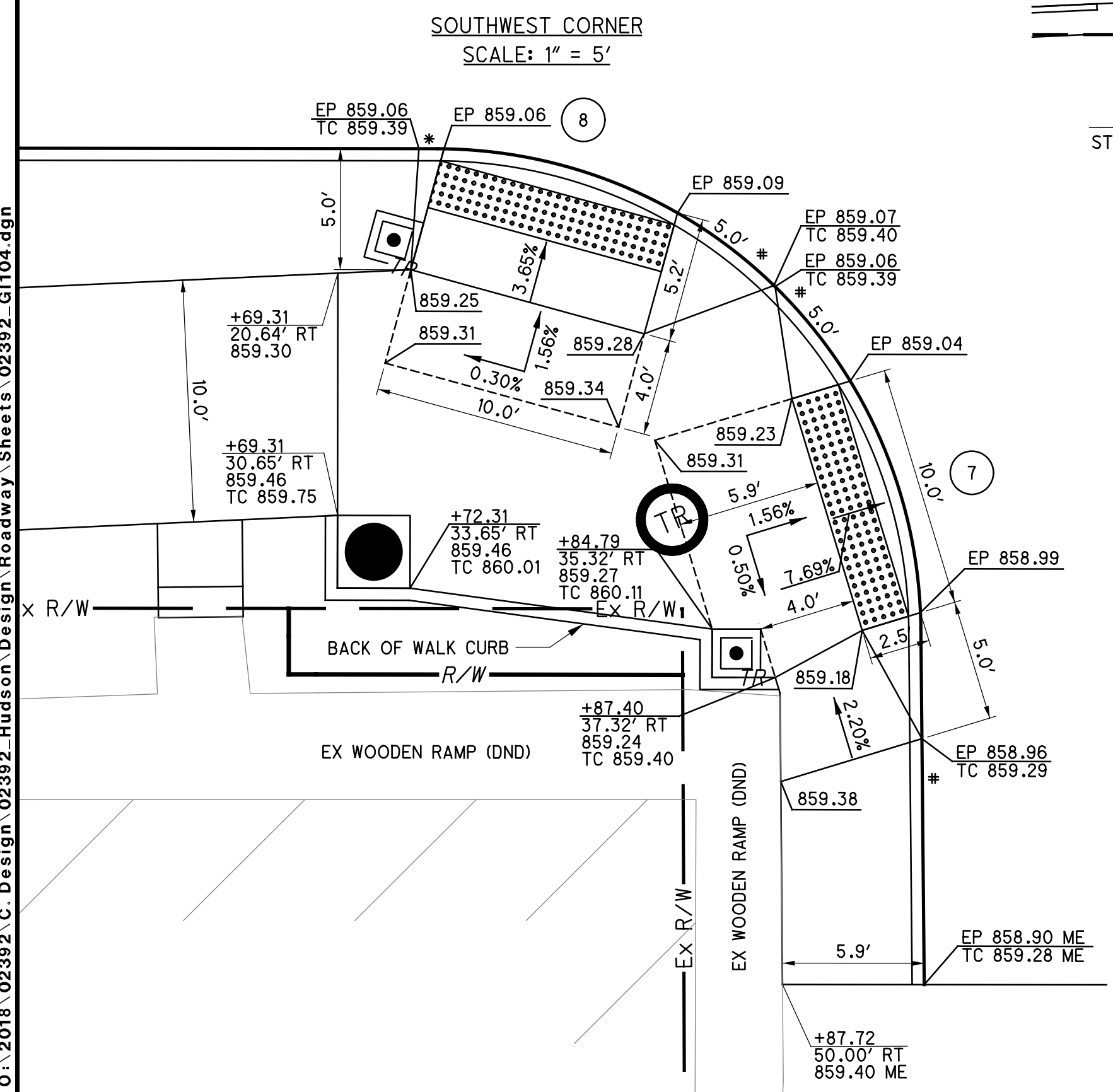
NORTHEAST CORNER  
SCALE: 1" = 5'



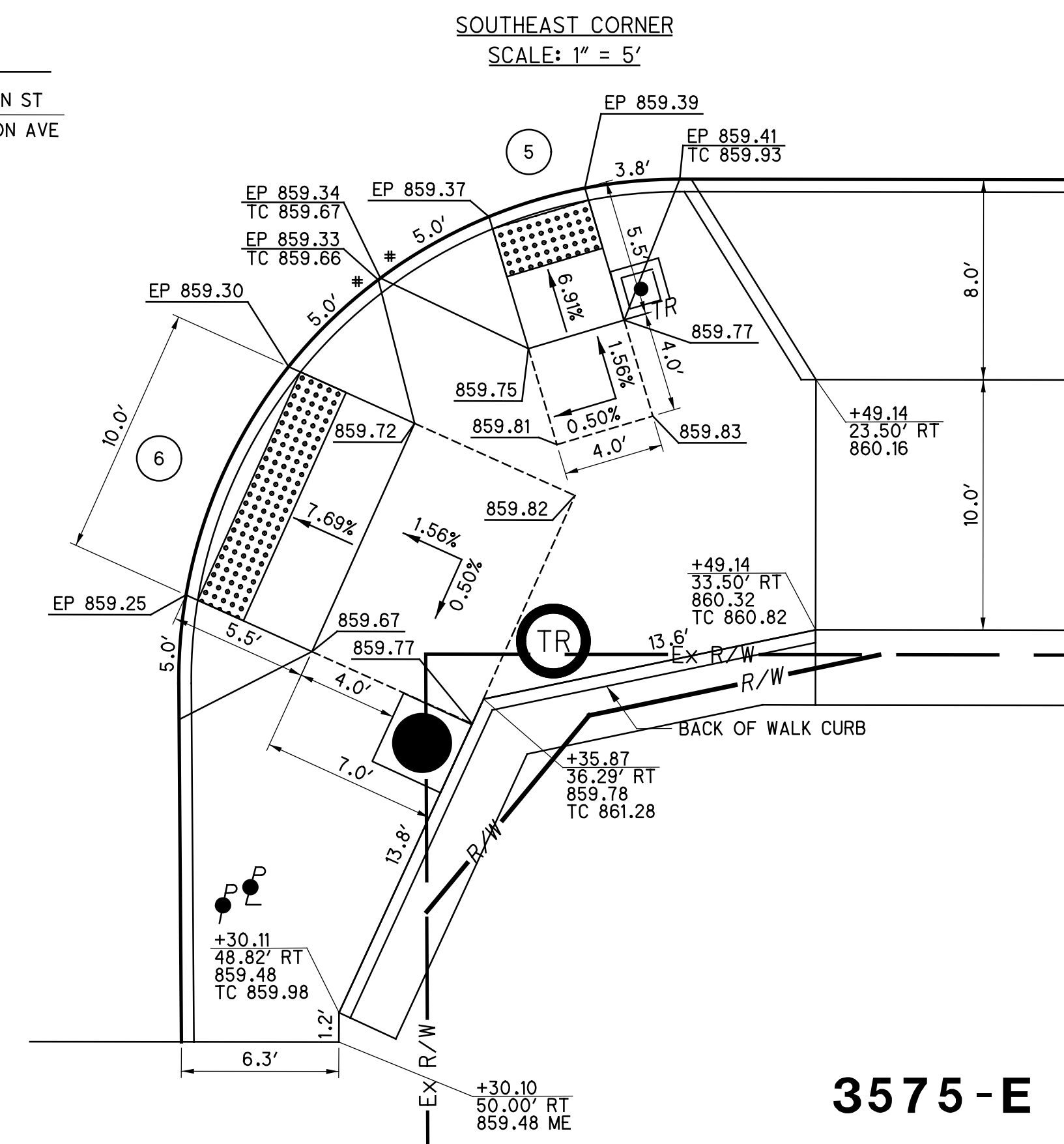
INTERSECTION & CURB RAMP DETAILS  
 HUDSON ST AT HAMILTON AVE



HUDSON ST AT HAMILTON AVE  
SCALE: 1" = 10'

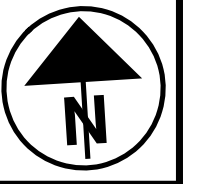


SOUTHWEST CORNER  
SCALE: 1" = 5'



SOUTHEAST CORNER  
SCALE: 1" = 5'

HUDSON ST



0 5 10 15 20  
HORIZONTAL SCALE IN FEET

CALCULATED JRS  
CHECKED MWR

INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT GERBERT RD

HUDSON ST

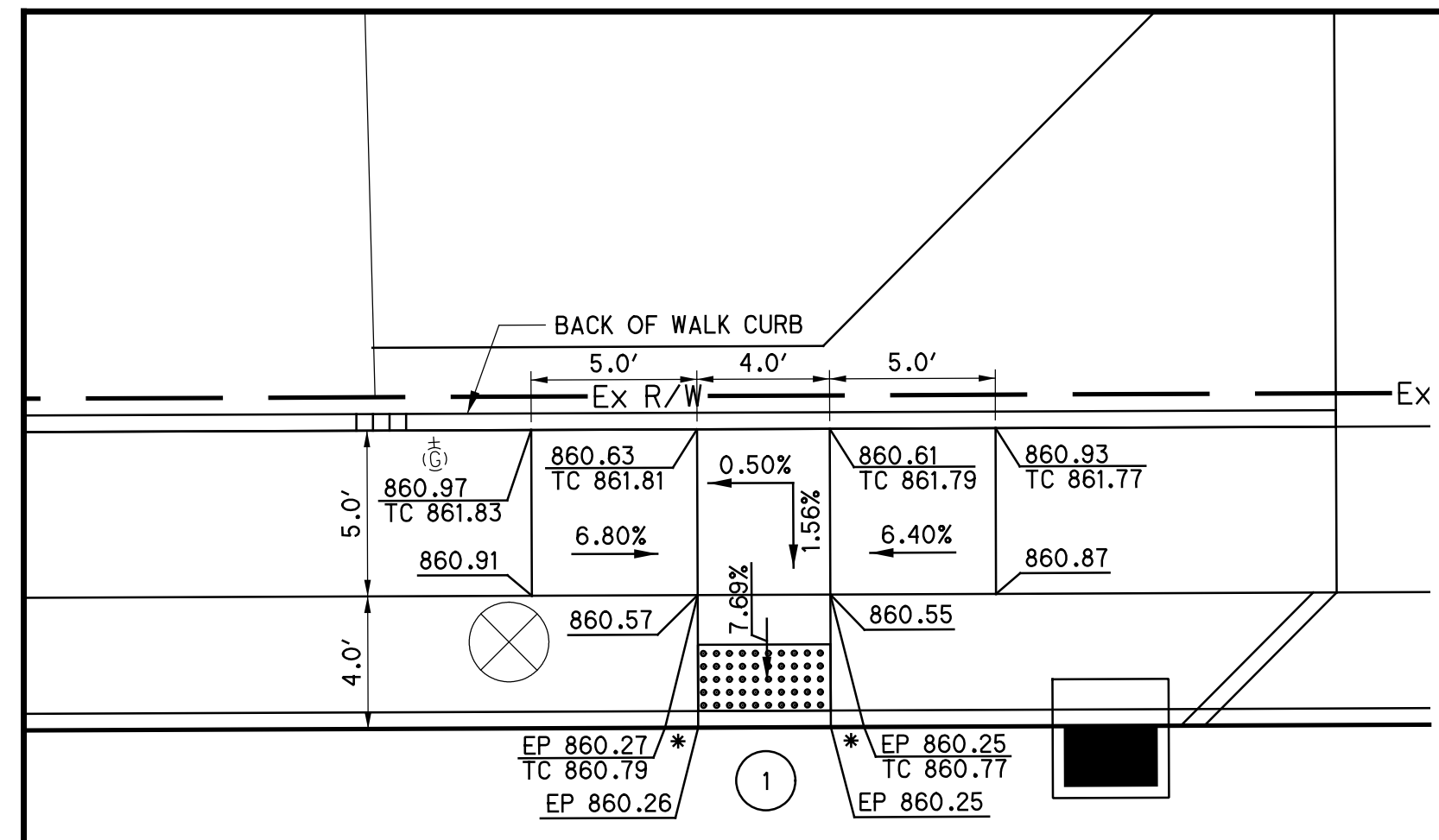
274  
535

- CURB RAMP CENTERLINES
- 1 STA 62+81.56, 15.5' LT
  - 6 STA 63+24.00, 27.6' RT
  - 7 STA 62+94.88, 29.9' RT
  - 8 STA 62+80.78, 16.2' RT

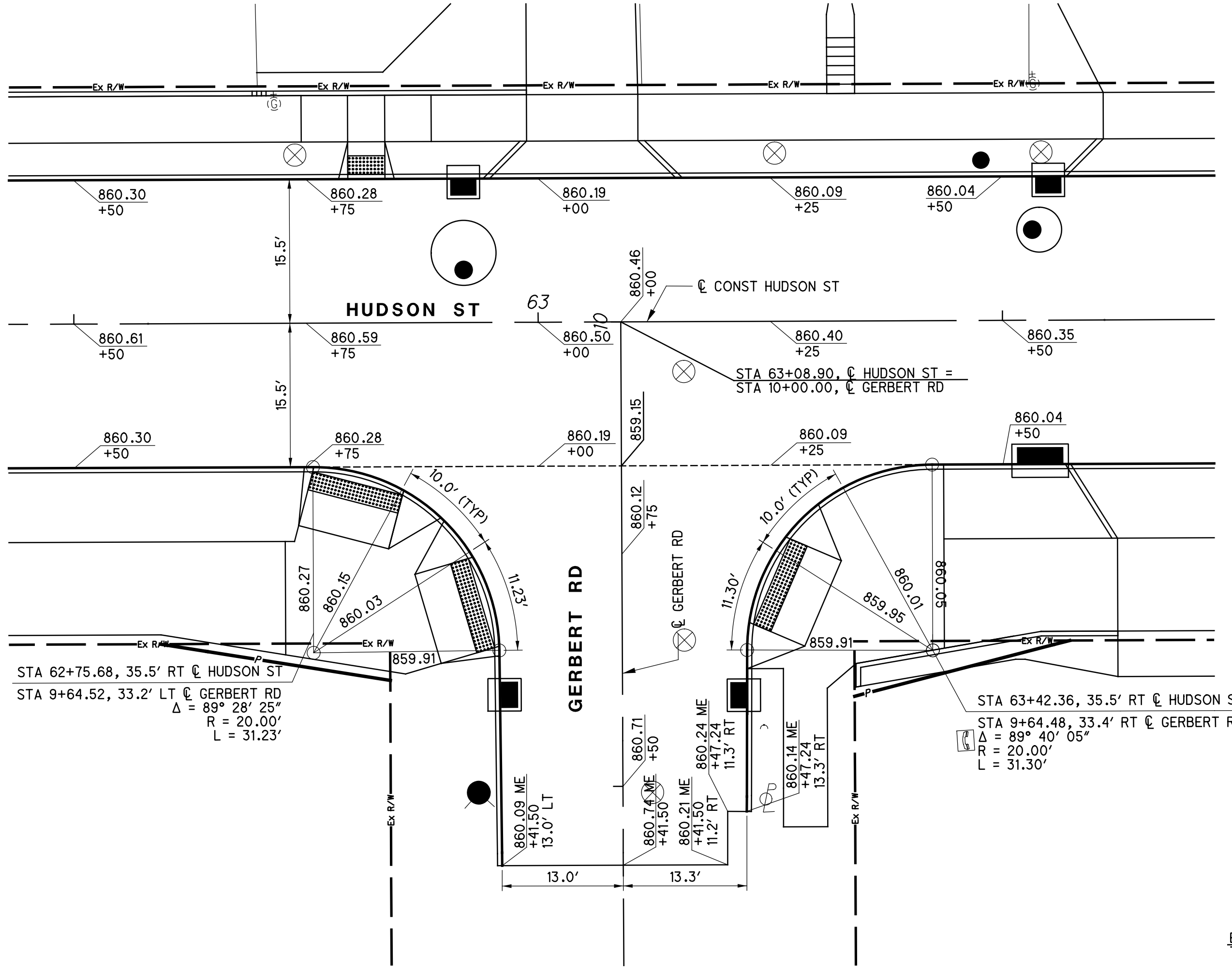
LEGEND

- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- \* = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

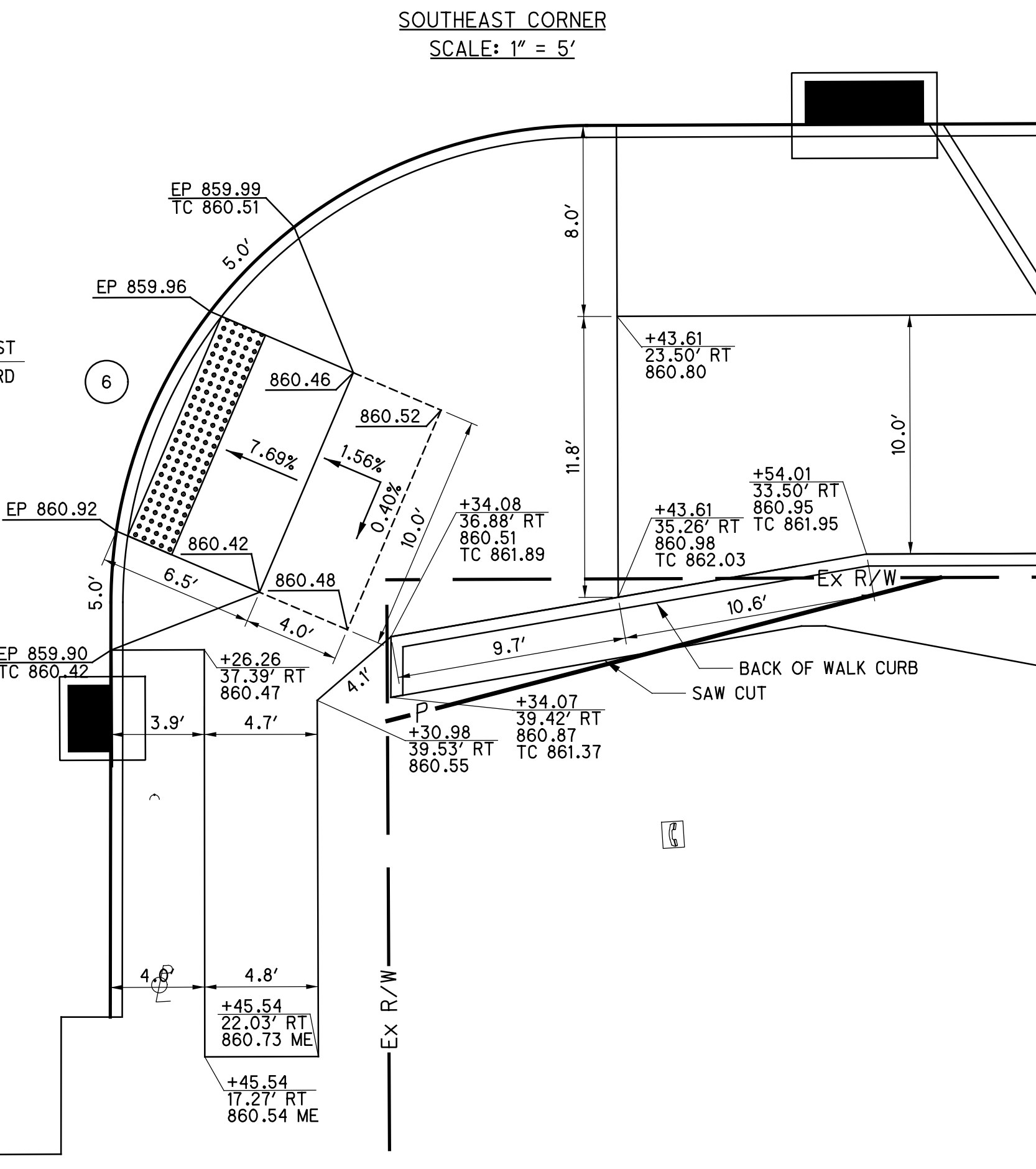
NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.  
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



NORTHWEST CORNER  
SCALE: 1" = 5'

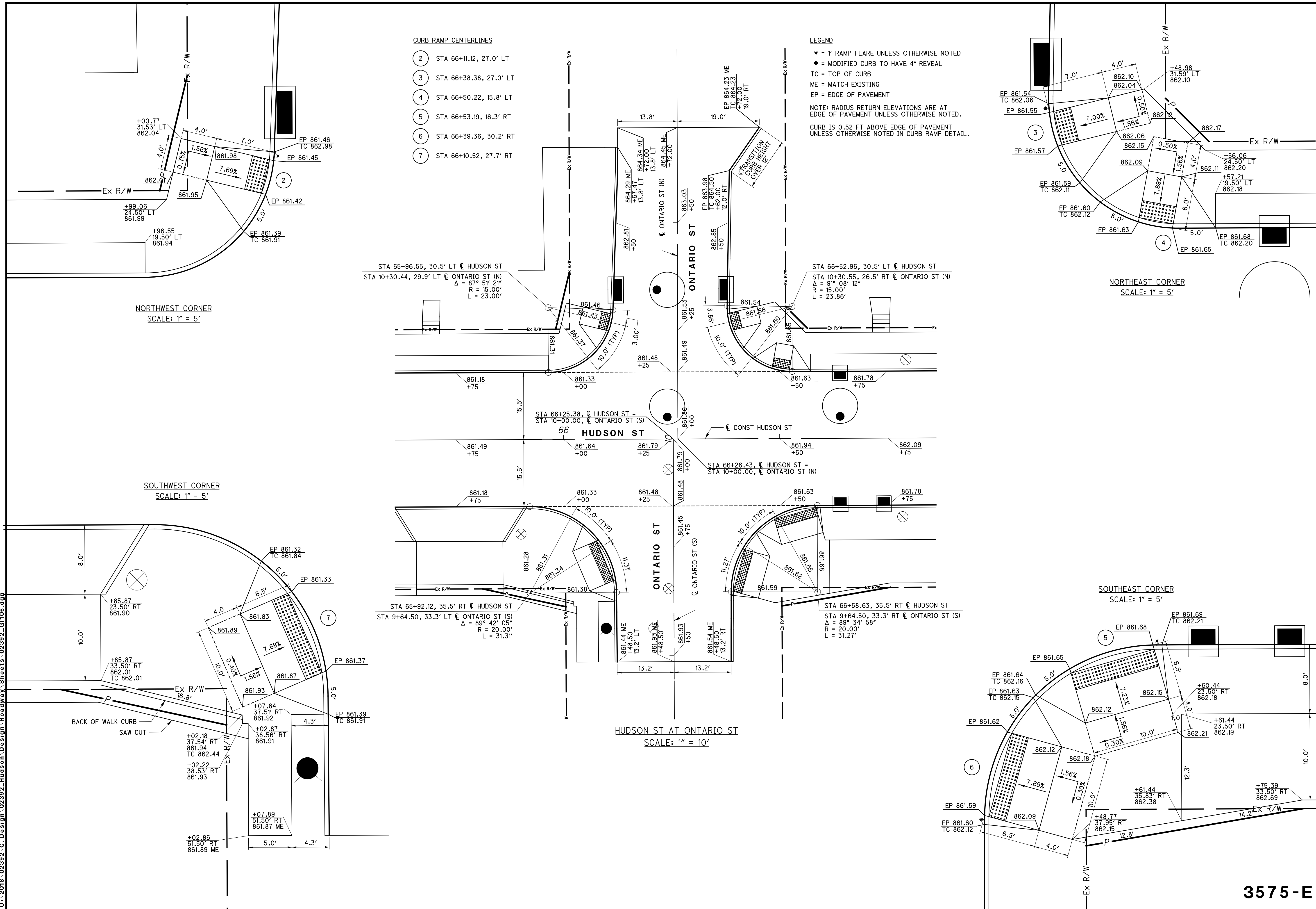


HUDSON ST AT GERBERT RD  
SCALE: 1" = 10'



SOUTHEAST CORNER  
SCALE: 1" = 5'

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- CURB RAMP CENTERLINES**
- ② STA 66+11.12, 27.0' LT
  - ③ STA 66+38.38, 27.0' LT
  - ④ STA 66+50.22, 15.8' LT
  - ⑤ STA 66+53.19, 16.3' RT
  - ⑥ STA 66+39.36, 30.2' RT
  - ⑦ STA 66+10.52, 27.7' RT

**LEGEND**

- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.

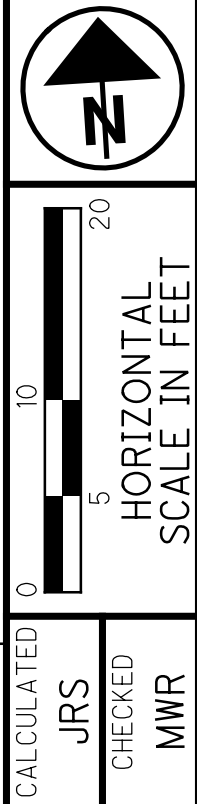
**NORTHWEST CORNER**  
SCALE: 1" = 5'

**SOUTHWEST CORNER**  
SCALE: 1" = 5'

**NORTHEAST CORNER**  
SCALE: 1" = 5'

**SOUTHEAST CORNER**  
SCALE: 1" = 5'

**HUDSON ST AT ONTARIO ST**  
SCALE: 1" = 10'



**INTERSECTION & CURB RAMP DETAILS**  
**HUDSON ST AT ONTARIO ST**

**HUDSON ST**

CALCULATED  
JRS  
CHECKED  
MWR



0 5 10 20  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
JRS  
CHECKED  
MWR

INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT HOMESTEAD DR

HUDSON ST

276  
535

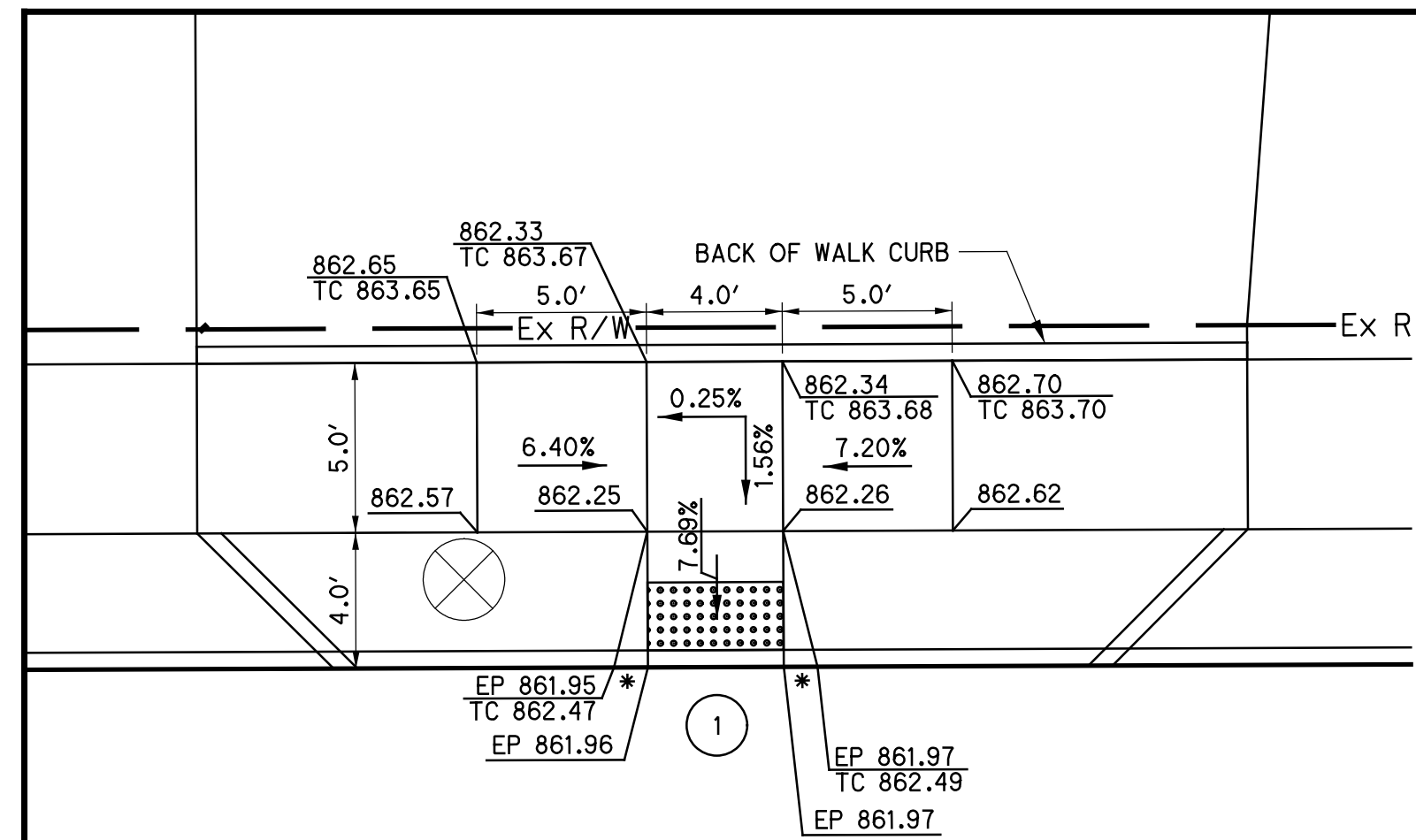
- CURB RAMP CENTERLINES**
- 1 STA 69+09.50, 15.5' LT
  - 6 STA 69+47.78, 27.0' RT
  - 7 STA 69+20.71, 30.2' RT
  - 8 STA 69+06.63, 16.2' RT

**LEGEND**

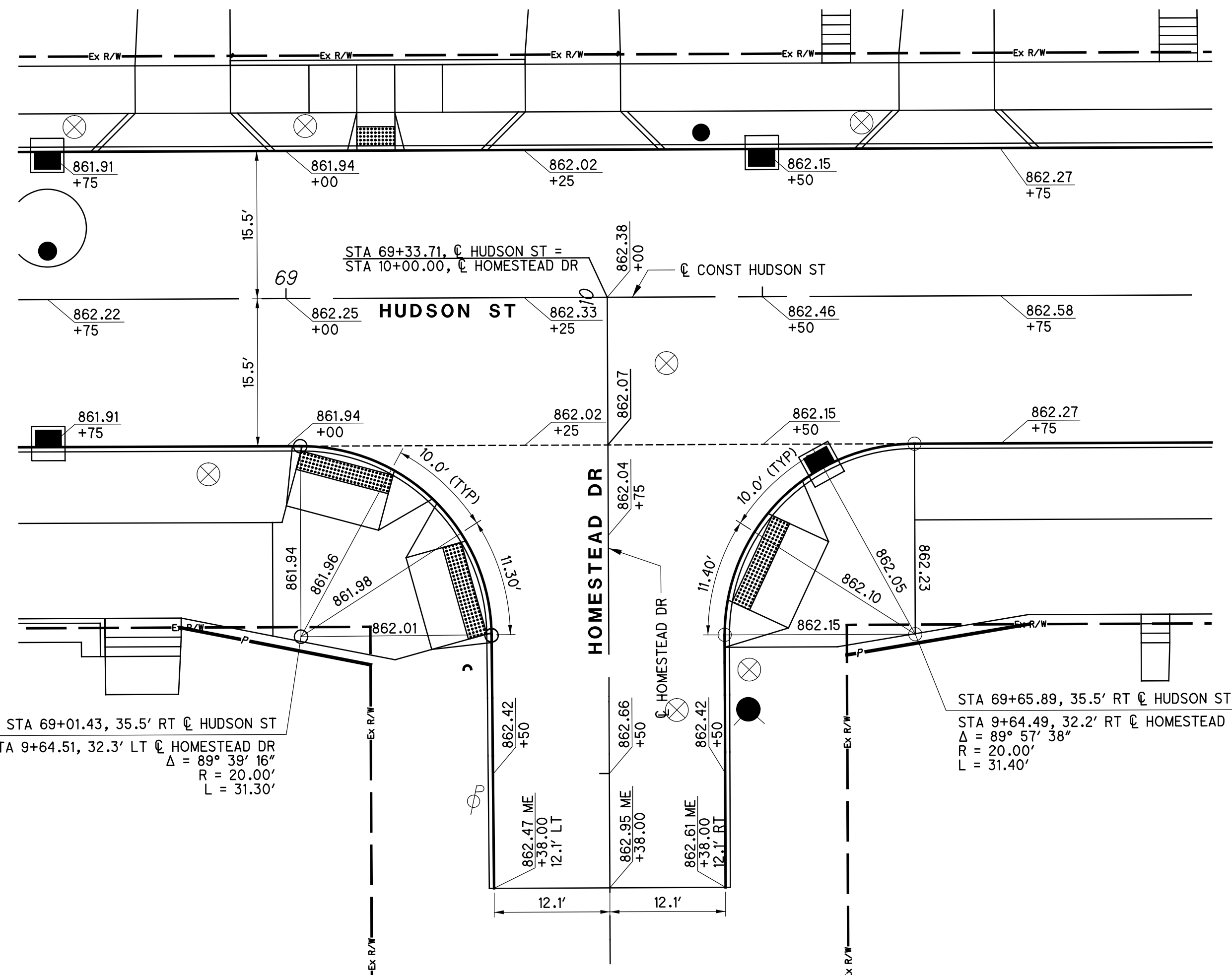
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- \* = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

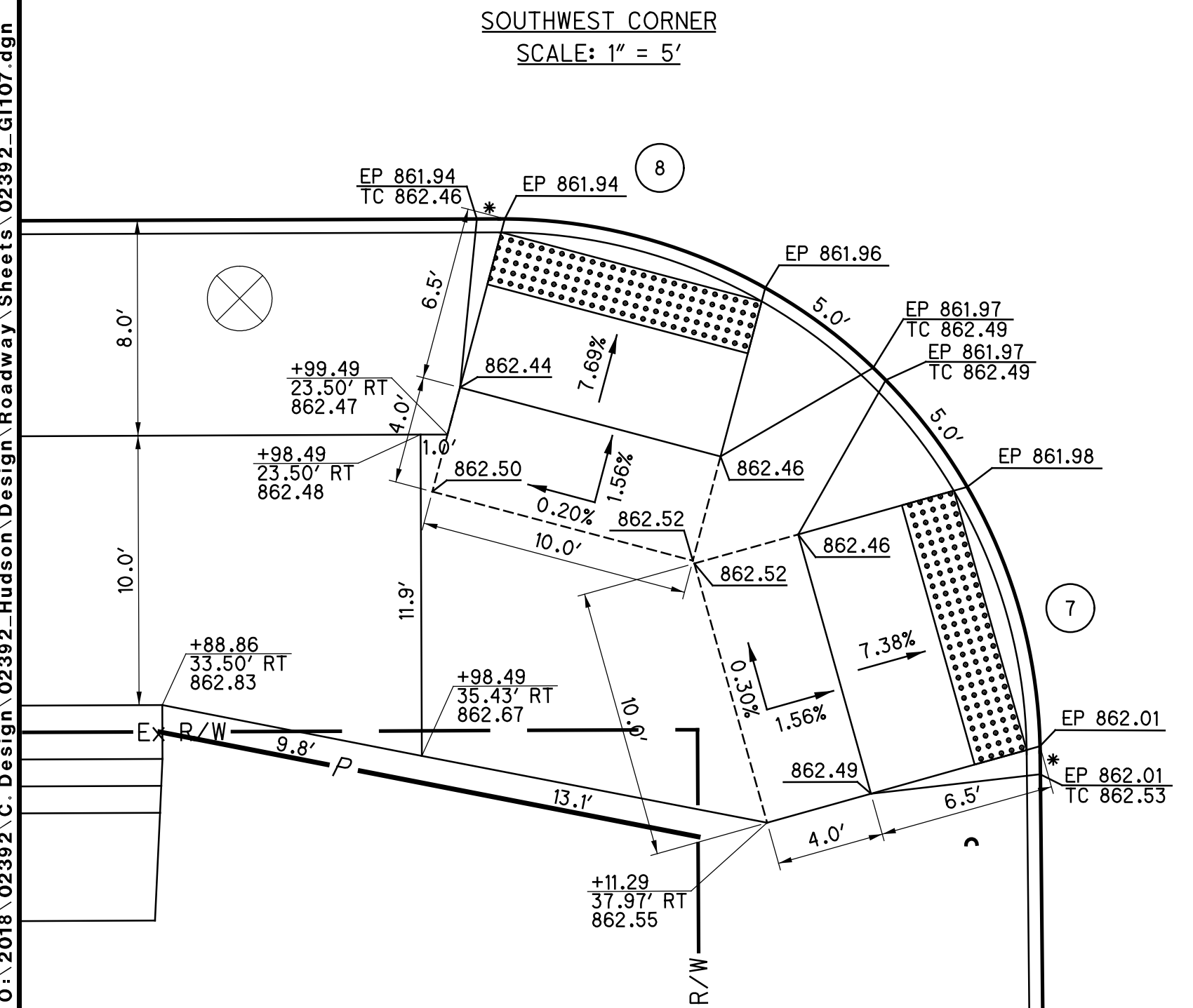
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



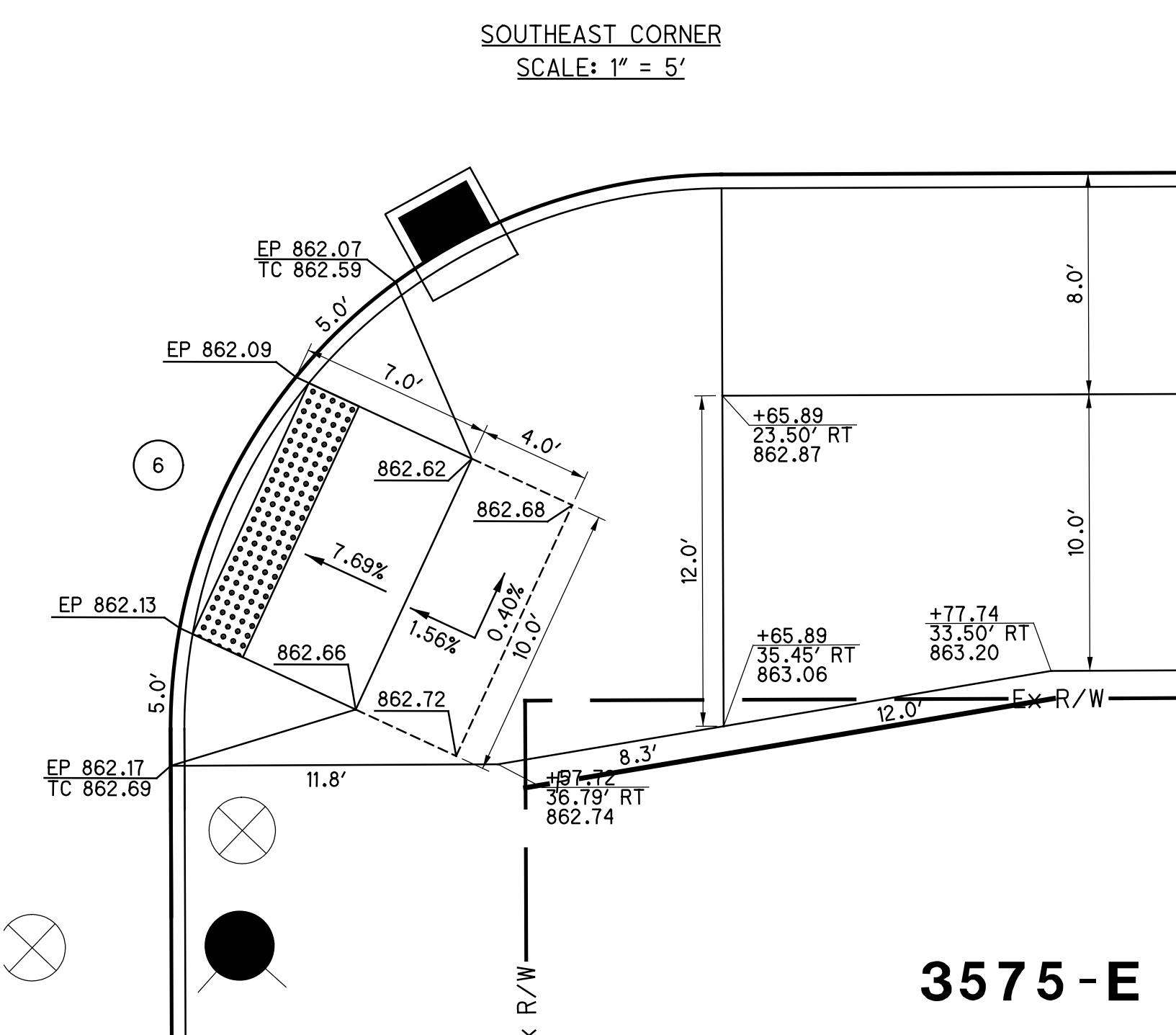
NORTHWEST CORNER  
SCALE: 1" = 5'



HUDSON ST AT HOMESTEAD DR  
SCALE: 1" = 10'



SOUTHWEST CORNER  
SCALE: 1" = 5'



SOUTHEAST CORNER  
SCALE: 1" = 5'

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3575-E



HORIZONTAL SCALE IN FEET

CALCULATED JRS CHECKED MWR

INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT MEDINA AVE

HUDSON ST

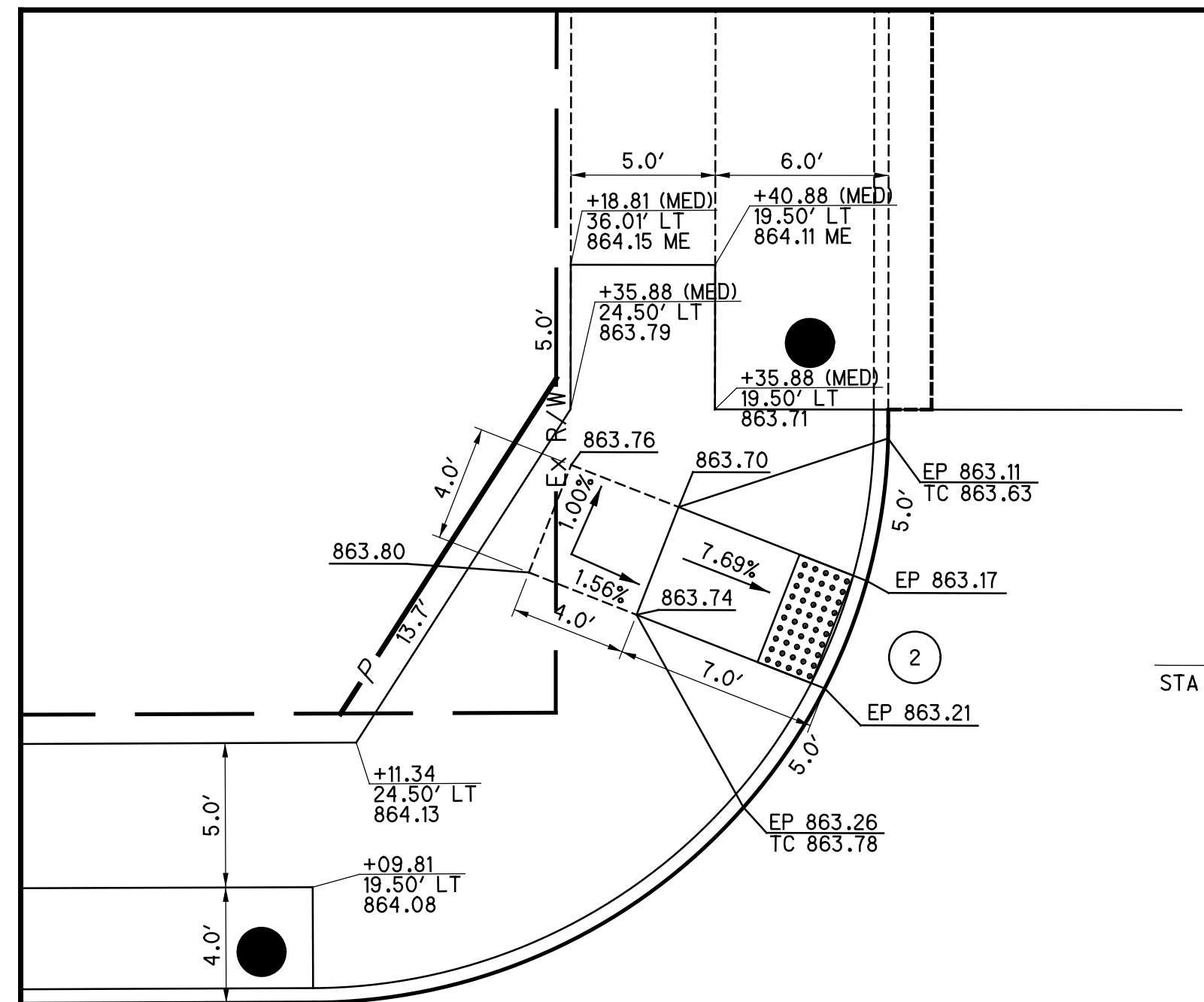
- CURB RAMP CENTERLINES**
- 2 STA 72+28.40, 28.1' LT
  - 3 STA 72+58.10, 28.4' LT
  - 4 STA 72+69.19, 17.0' LT
  - 5 STA 72+70.31, 17.5' RT
  - 6 STA 72+56.77, 31.8' RT
  - 7 STA 72+26.04, 28.4' RT

**LEGEND**

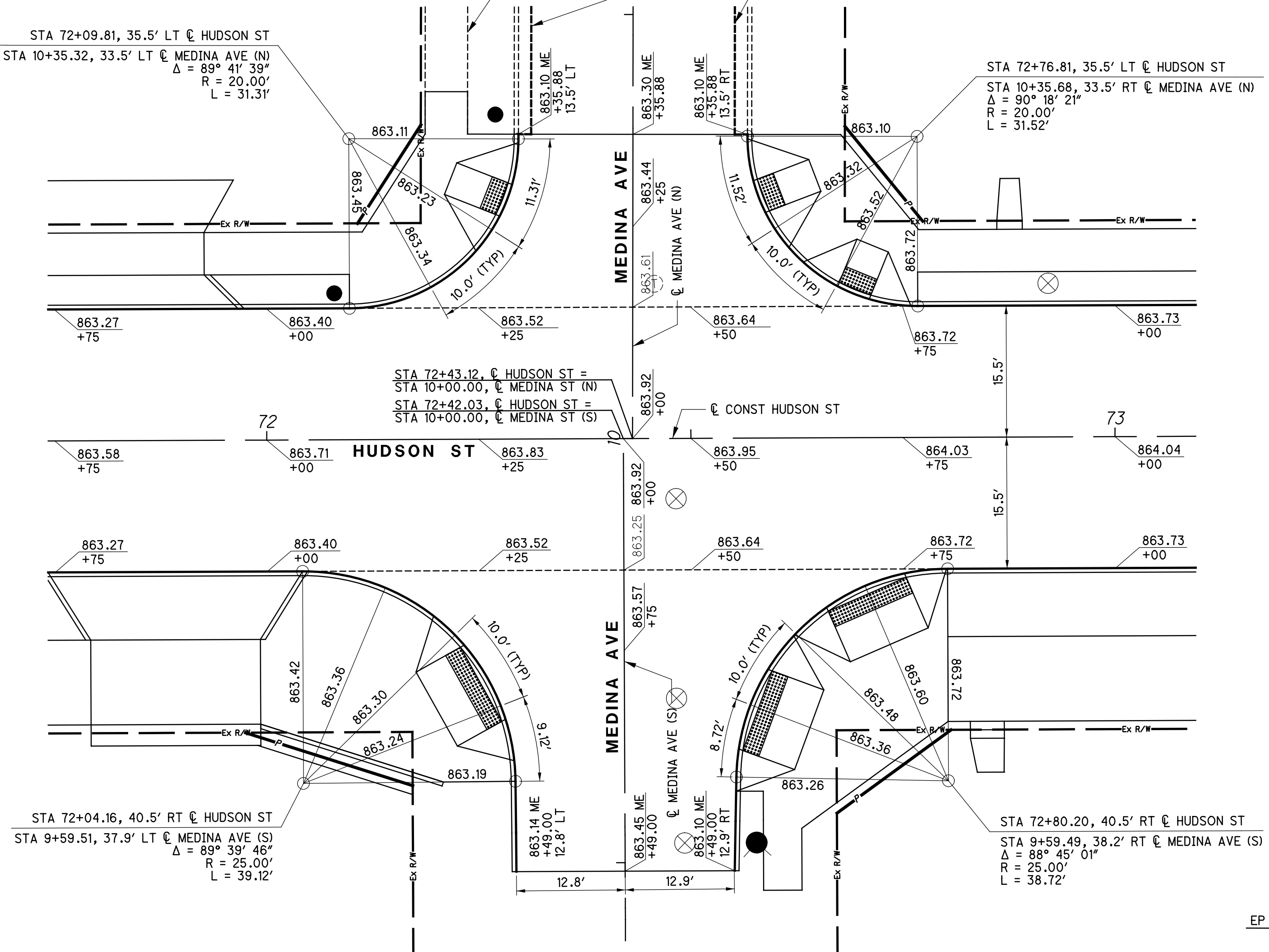
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

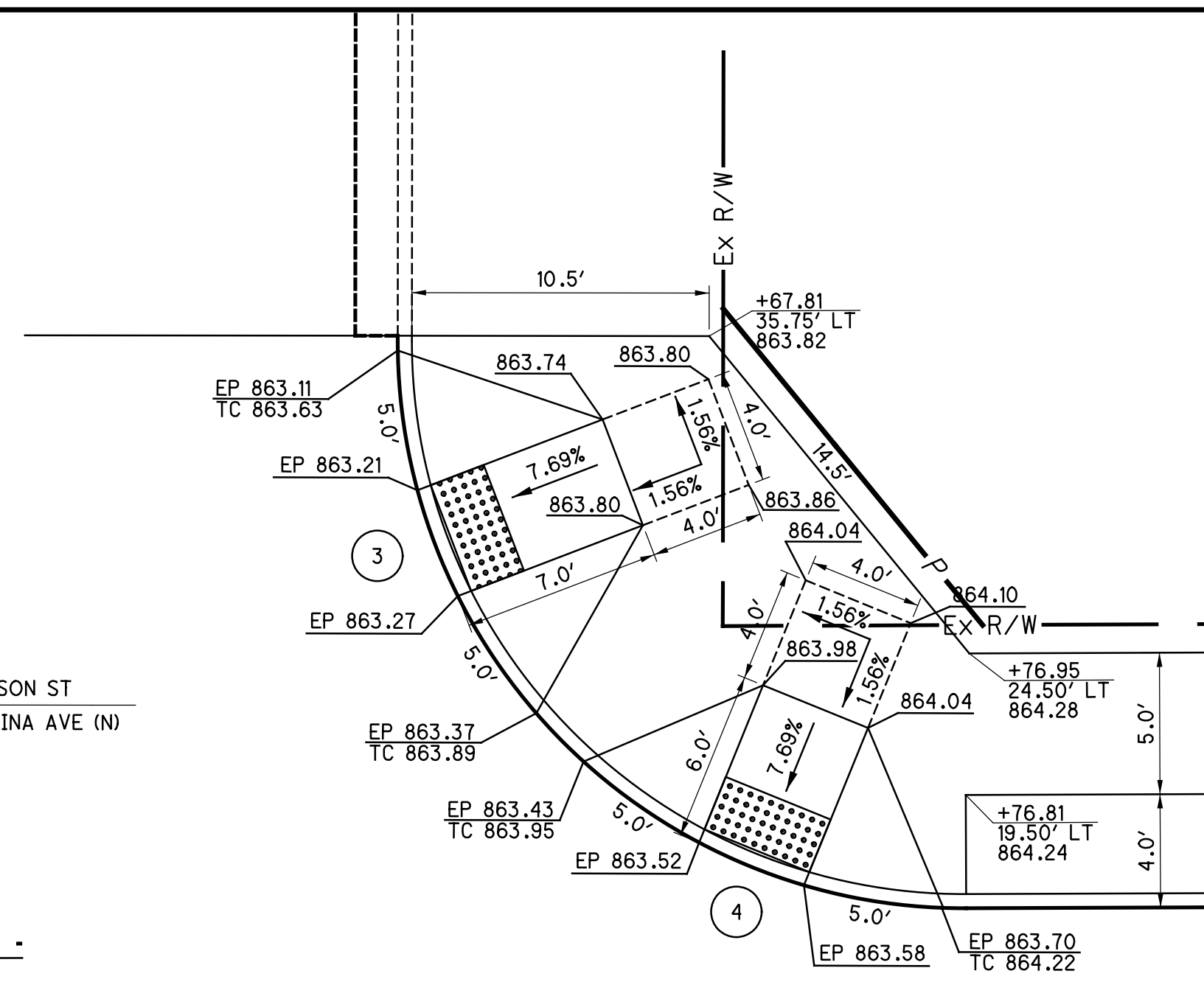
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



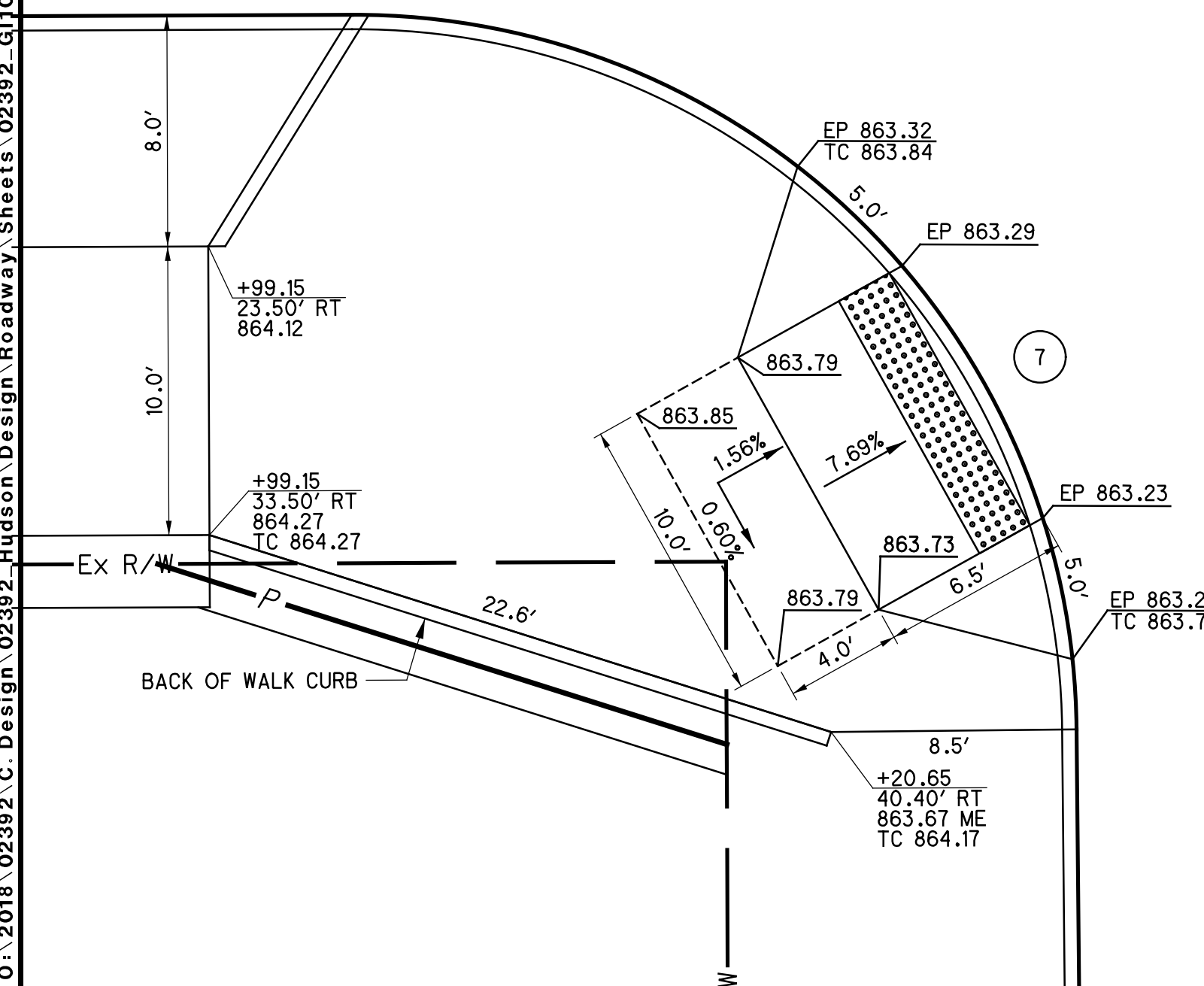
NORTHWEST CORNER  
SCALE: 1" = 5'



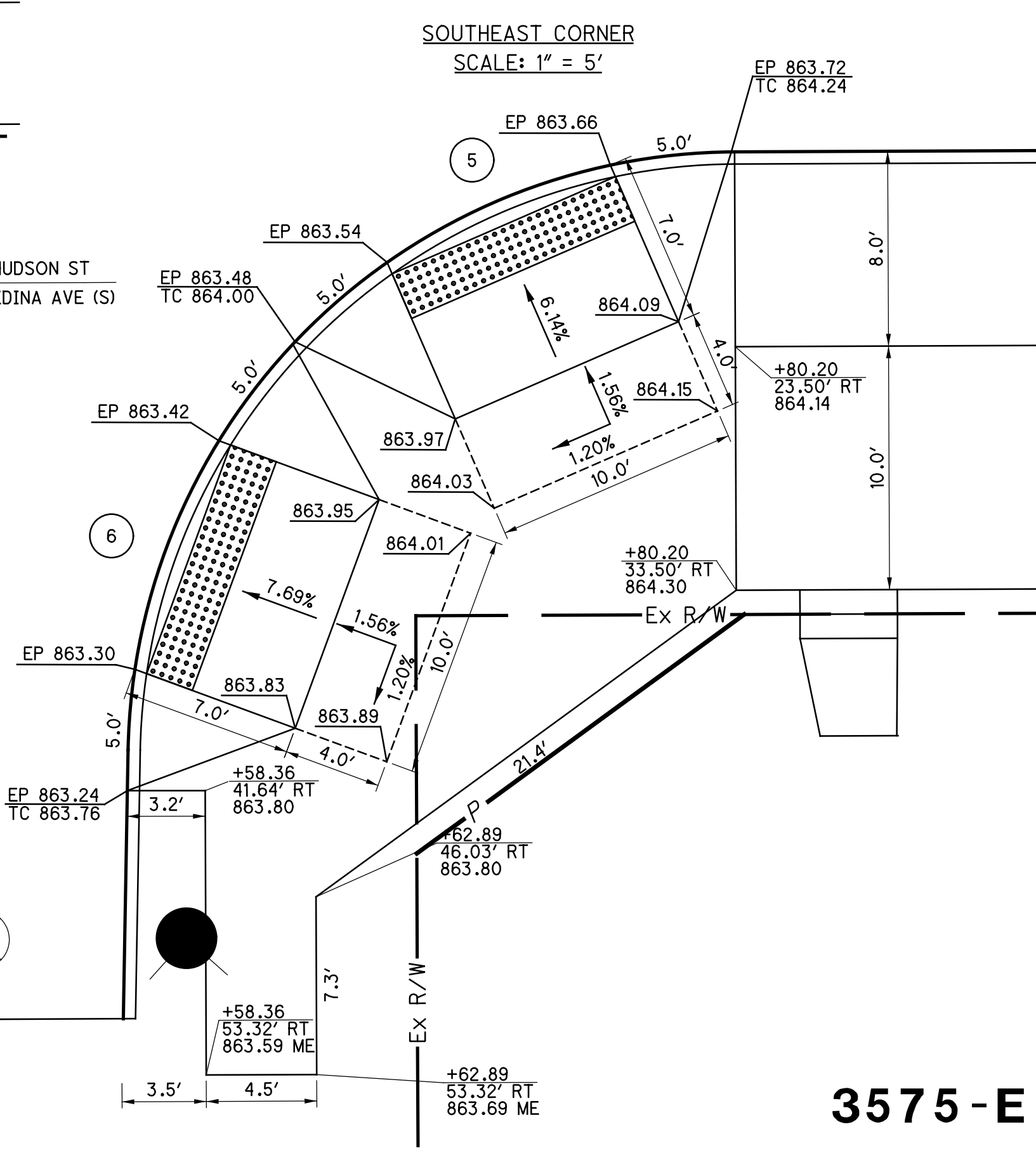
HUDSON ST AT MEDINA AVE  
SCALE: 1" = 10'



NORTHEAST CORNER  
SCALE: 1" = 5'



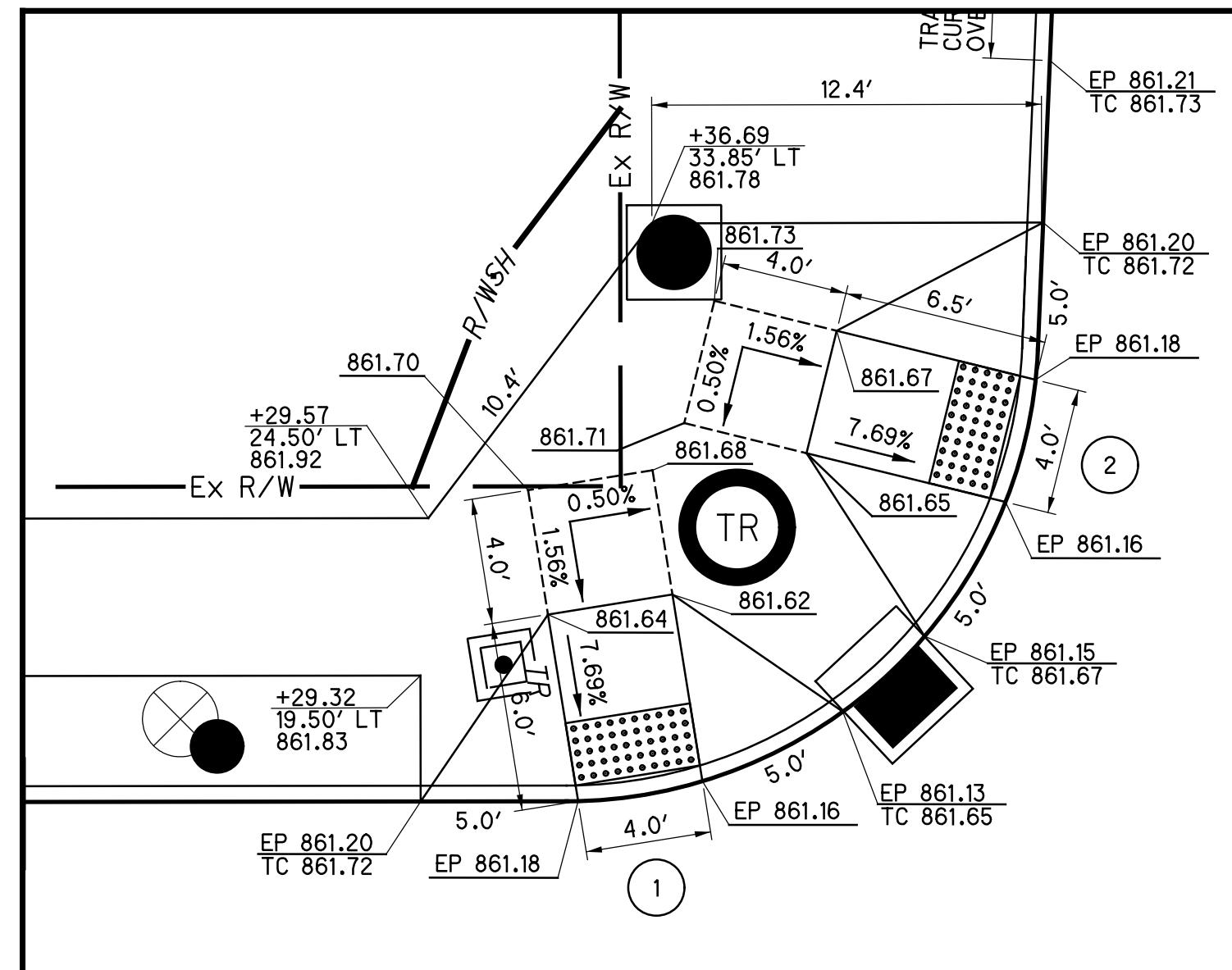
SOUTHWEST CORNER  
SCALE: 1" = 5'



SOUTHEAST CORNER  
SCALE: 1" = 5'

3575-E

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**NORTHWEST CORNER**  
SCALE: 1" = 5'

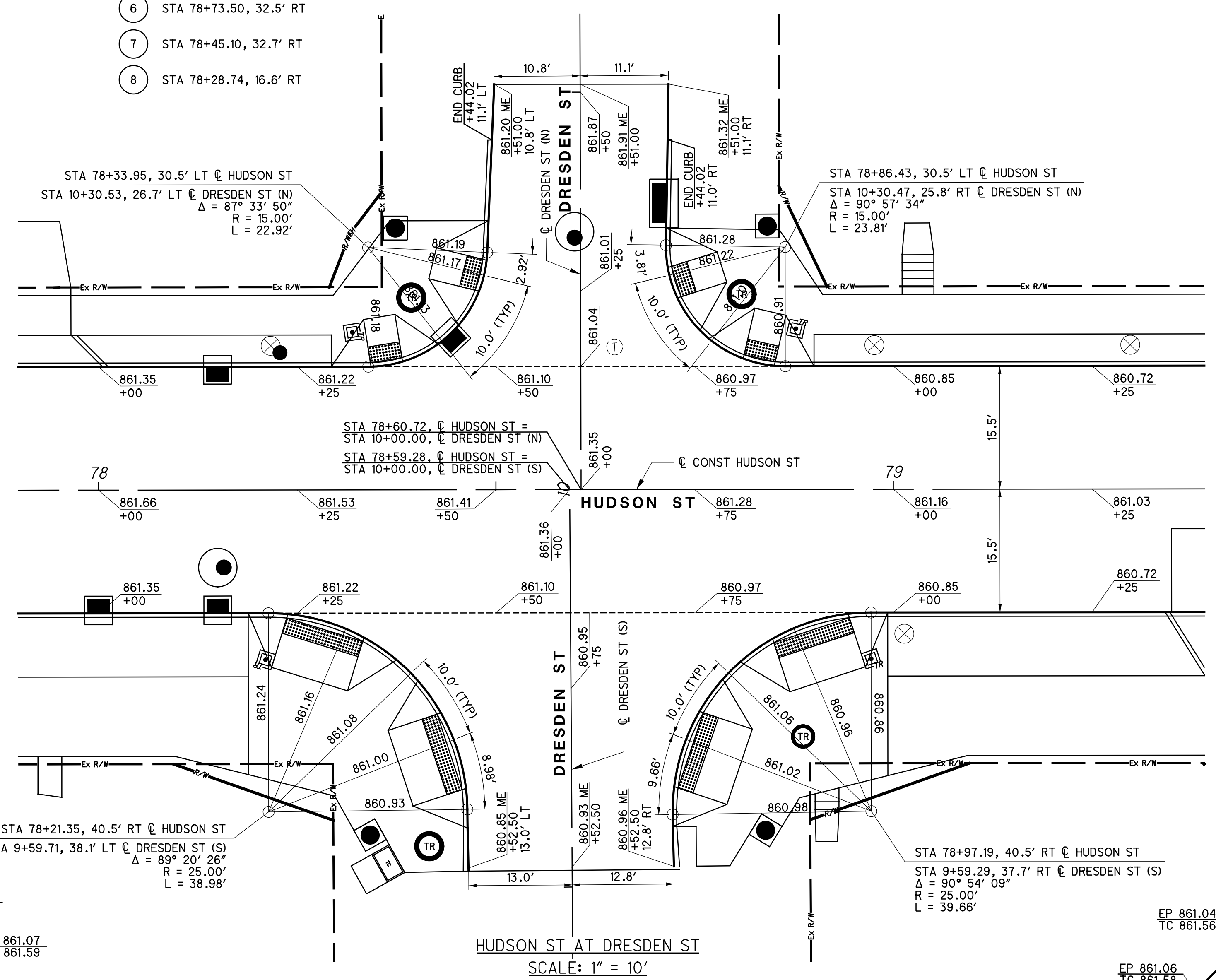
- CURB RAMP CENTERLINES**
- 1 STA 78+36.32, 15.7' LT
  - 2 STA 78+48.51, 26.9' LT
  - 3 STA 78+72.13, 26.0' LT
  - 4 STA 78+83.06, 15.9' LT
  - 5 STA 78+89.37, 16.8' RT
  - 6 STA 78+73.50, 32.5' RT
  - 7 STA 78+45.10, 32.7' RT
  - 8 STA 78+28.74, 16.6' RT

**LEGEND**

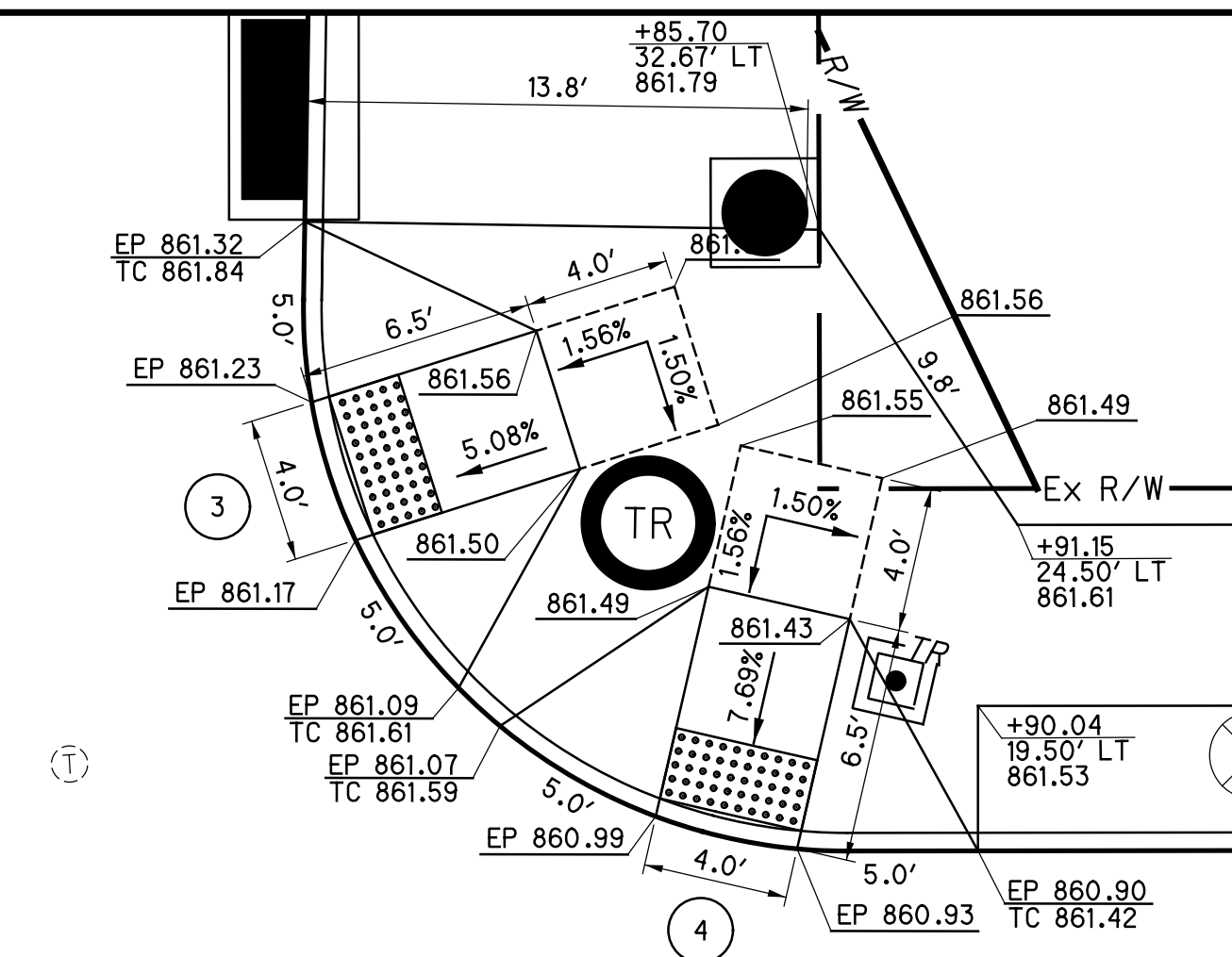
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

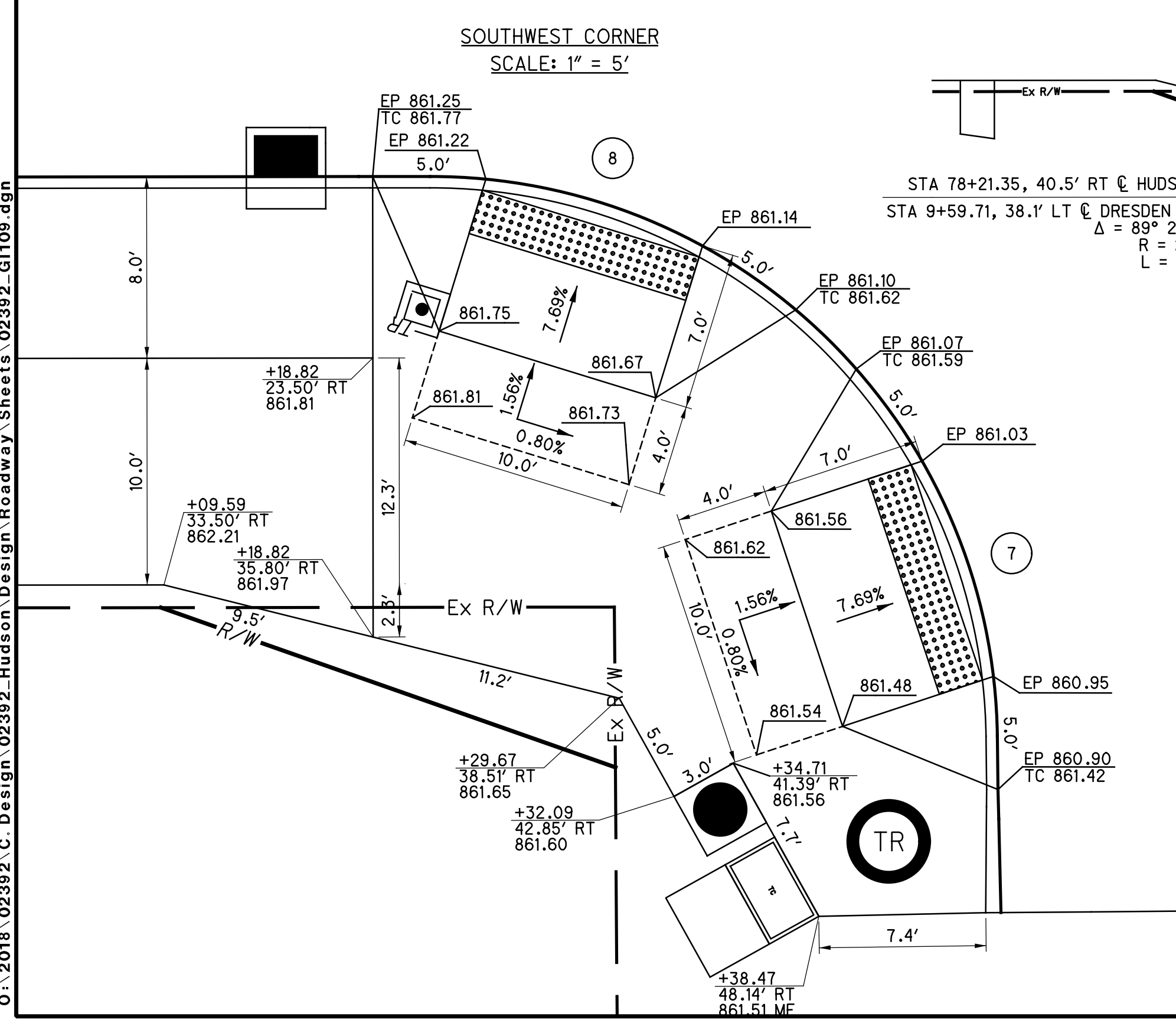
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



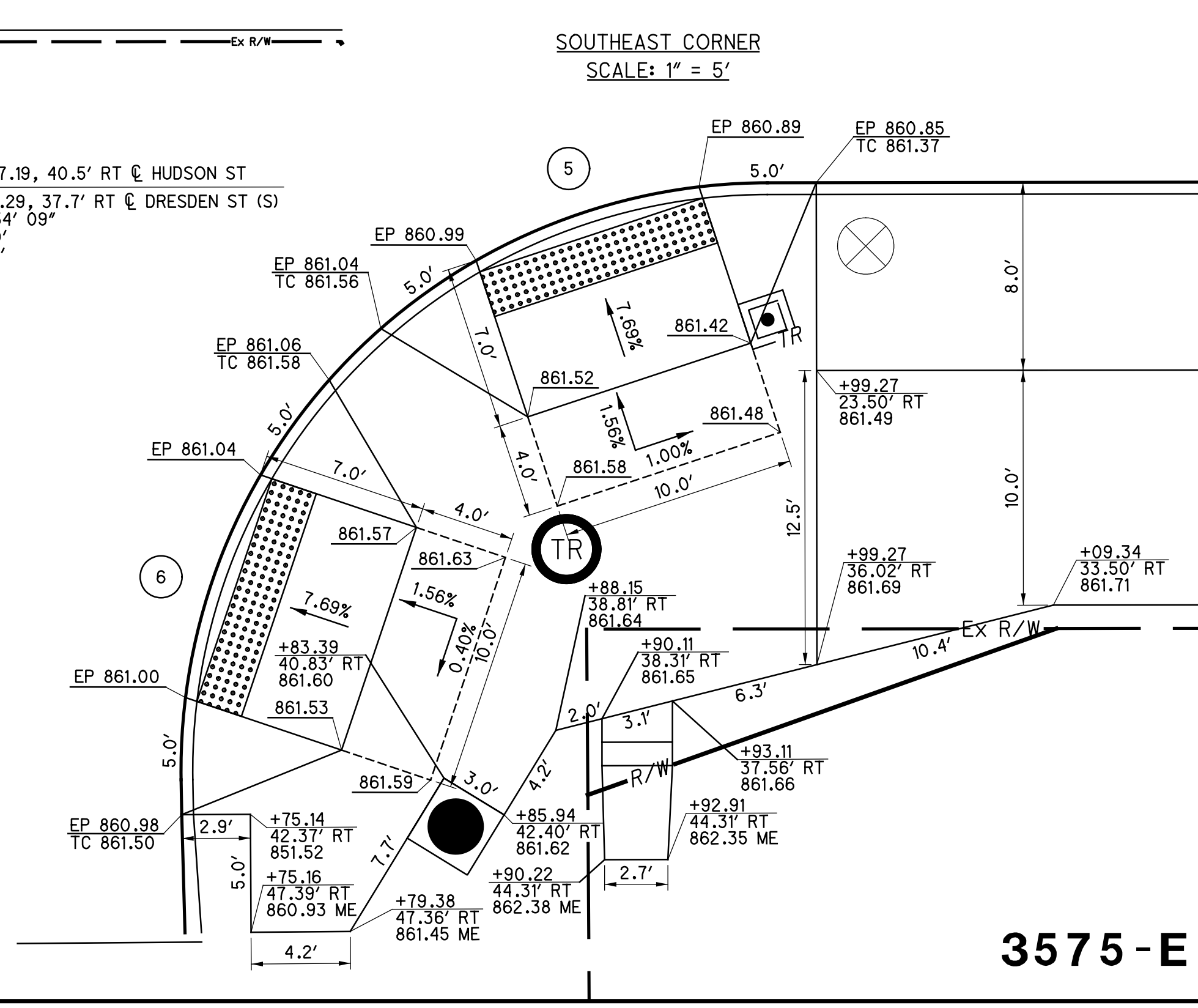
**HUDSON ST AT DRESDEN ST**  
SCALE: 1" = 10'



**NORTHEAST CORNER**  
SCALE: 1" = 5'



**SOUTHWEST CORNER**  
SCALE: 1" = 5'



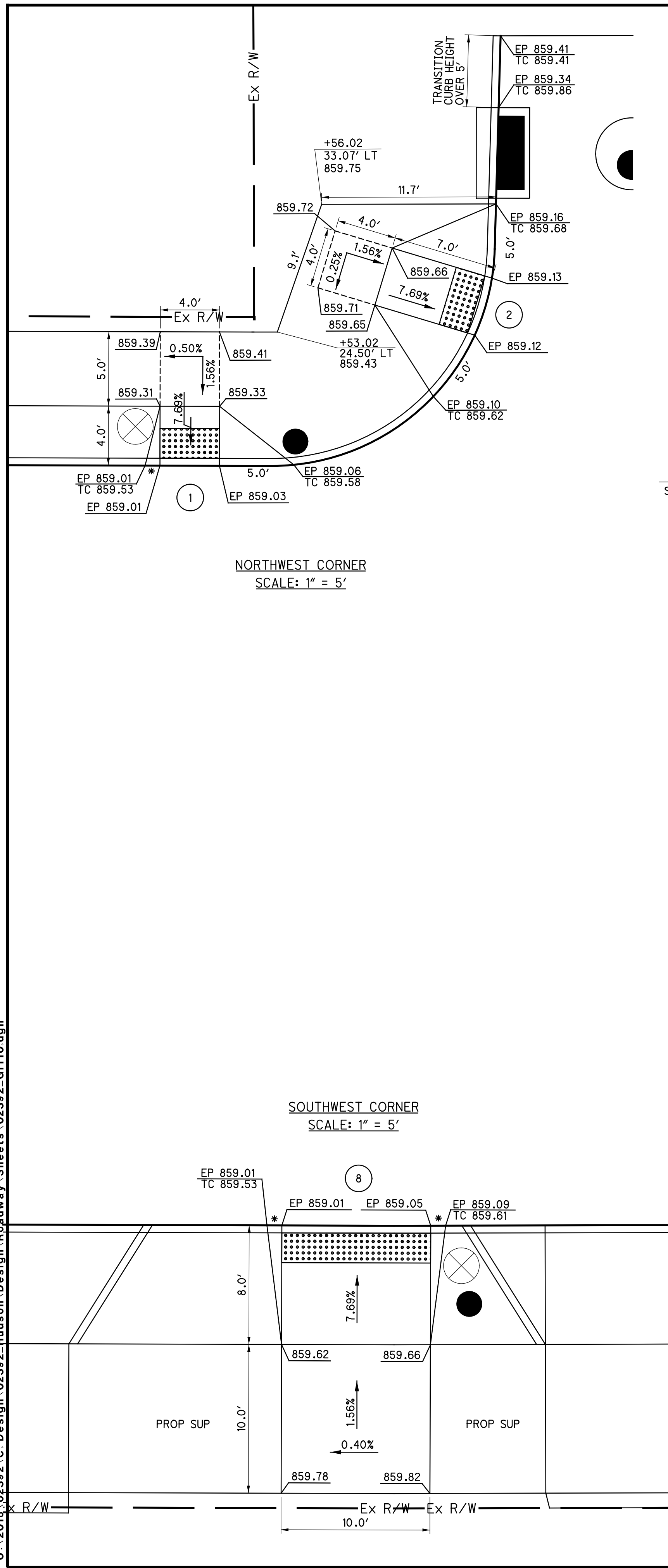
**SOUTHEAST CORNER**  
SCALE: 1" = 5'



**INTERSECTION & CURB RAMP DETAILS**  
**HUDSON ST AT DRESDEN ST**

**HUDSON ST**

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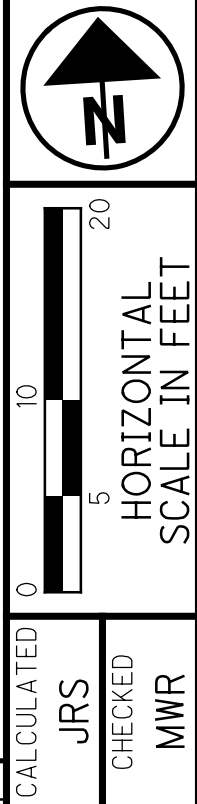
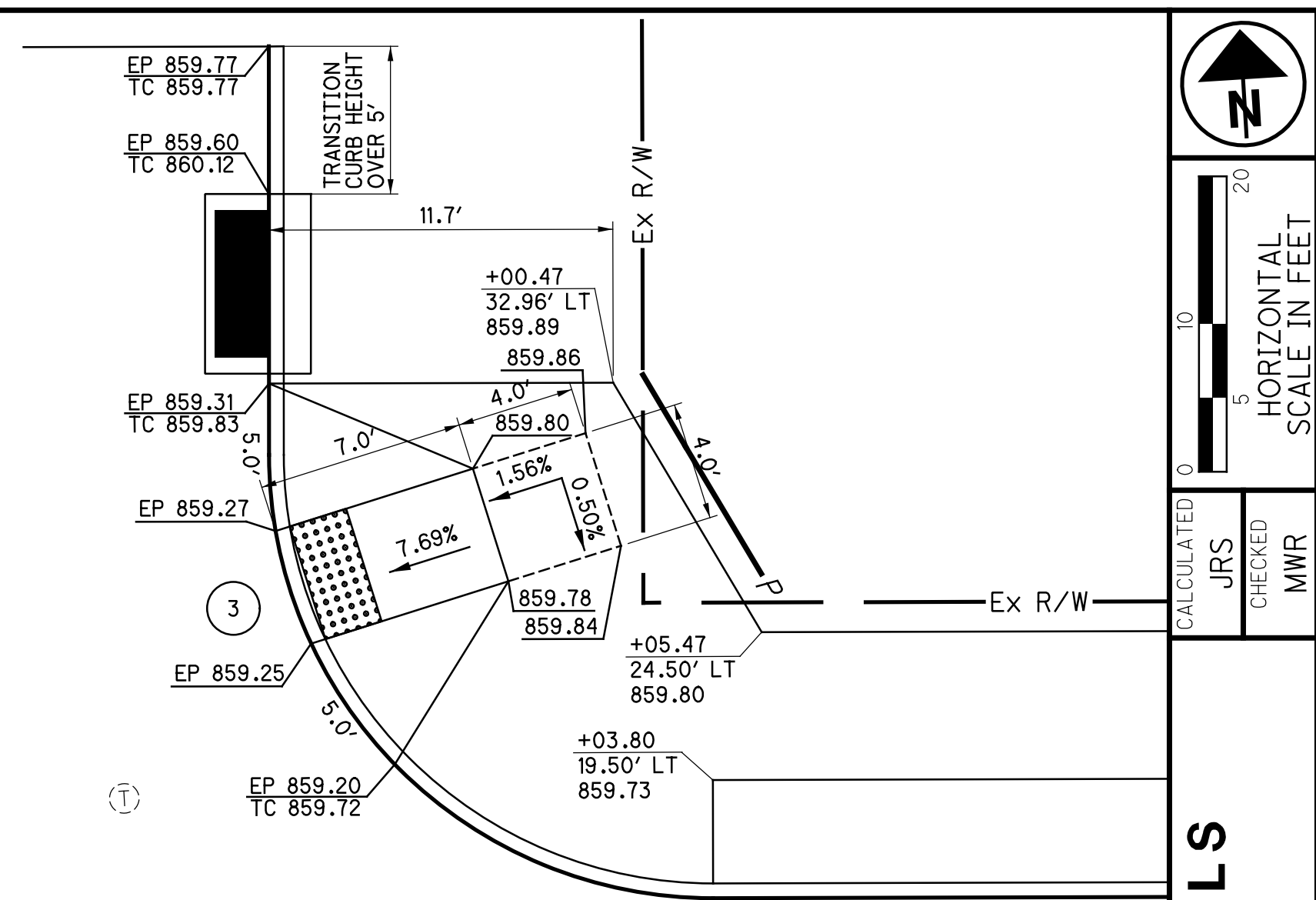
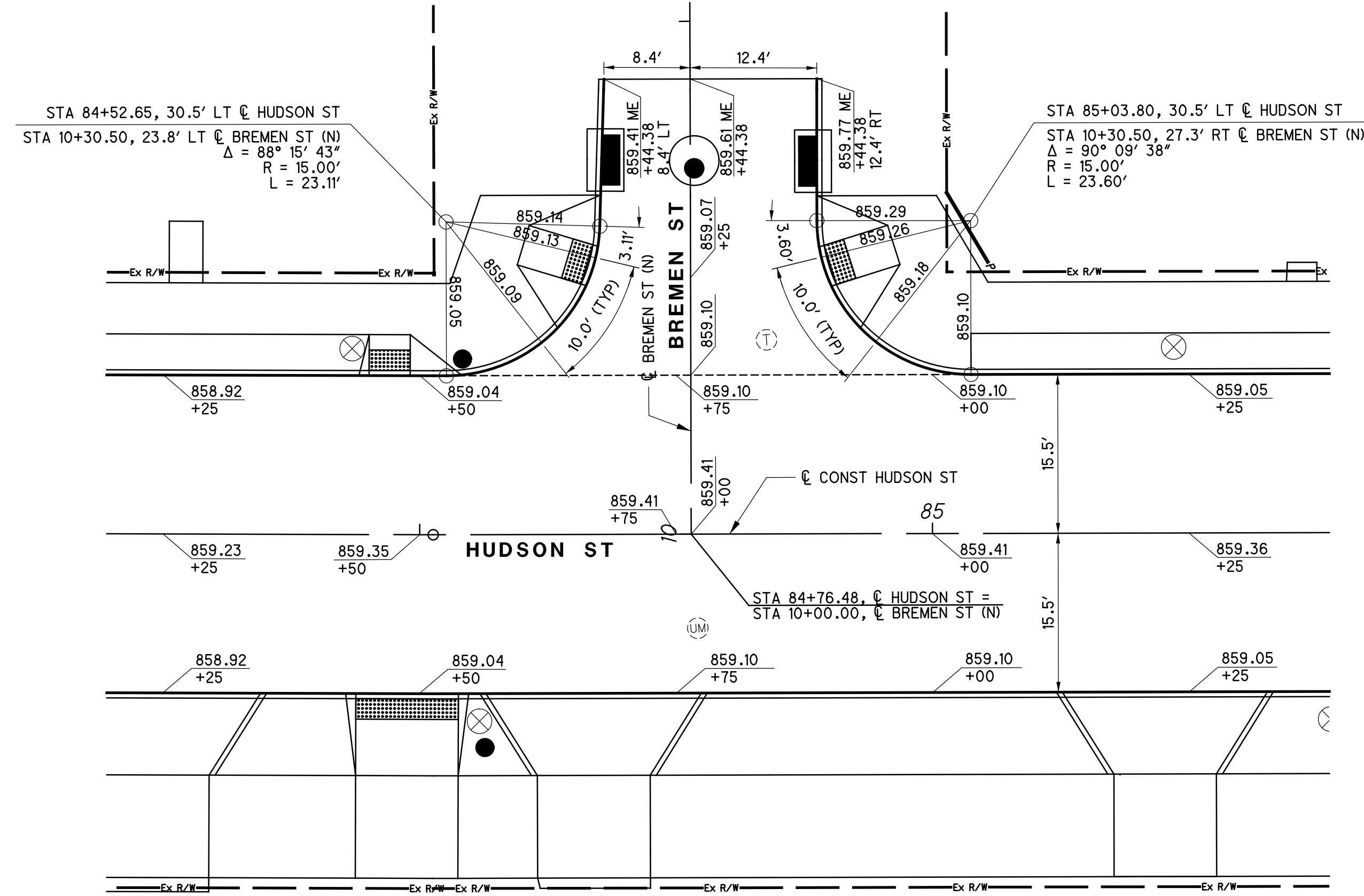
- CURB RAMP CENTERLINES**
- 1 STA 84+47.03, 15.5' LT
  - 2 STA 84+67.00, 26.1' LT
  - 3 STA 84+89.49, 26.0' LT
  - 8 STA 84+48.83, 15.5' RT

**LEGEND**

- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



**INTERSECTION & CURB RAMP DETAILS**  
**HUDSON ST AT BREMEN ST (N)**

**HUDSON ST**

CURB RAMP CENTERLINES

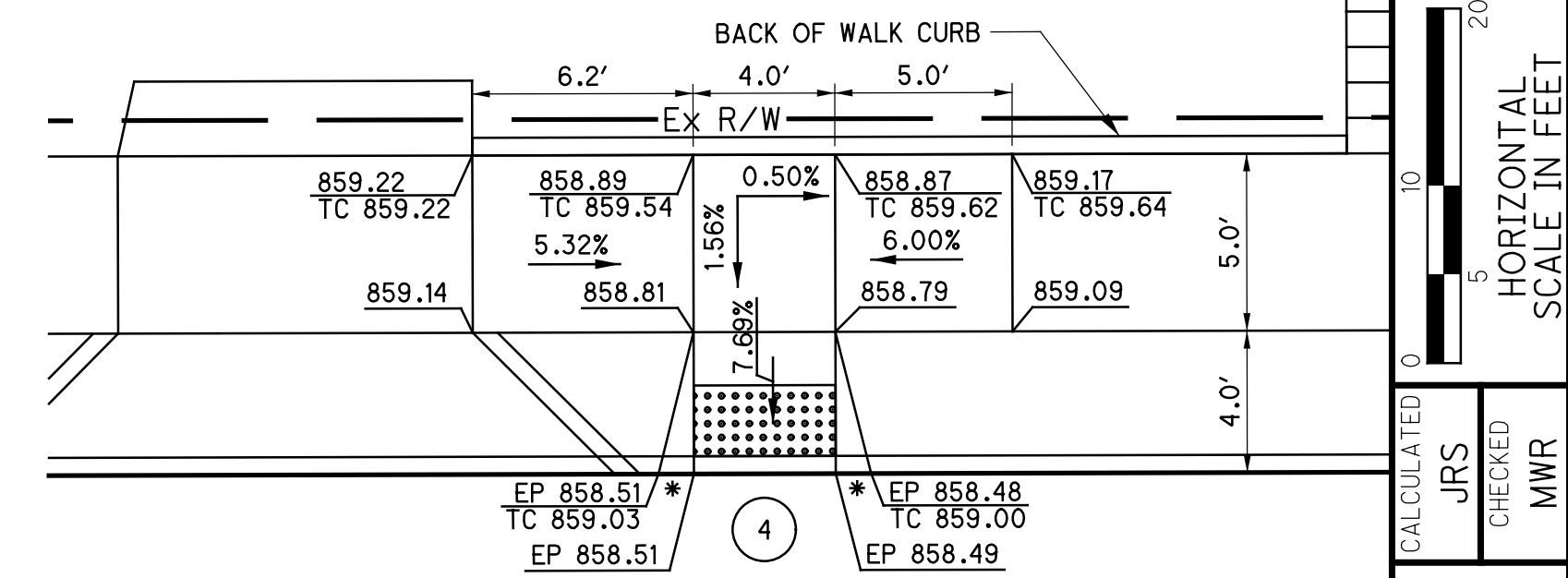
- 4 STA 86+37.31, 15.5' LT
- 5 STA 86+40.23, 15.5' RT
- 6 STA 86+21.14, 25.4' RT
- 7 STA 85+93.32, 25.3' RT

LEGEND

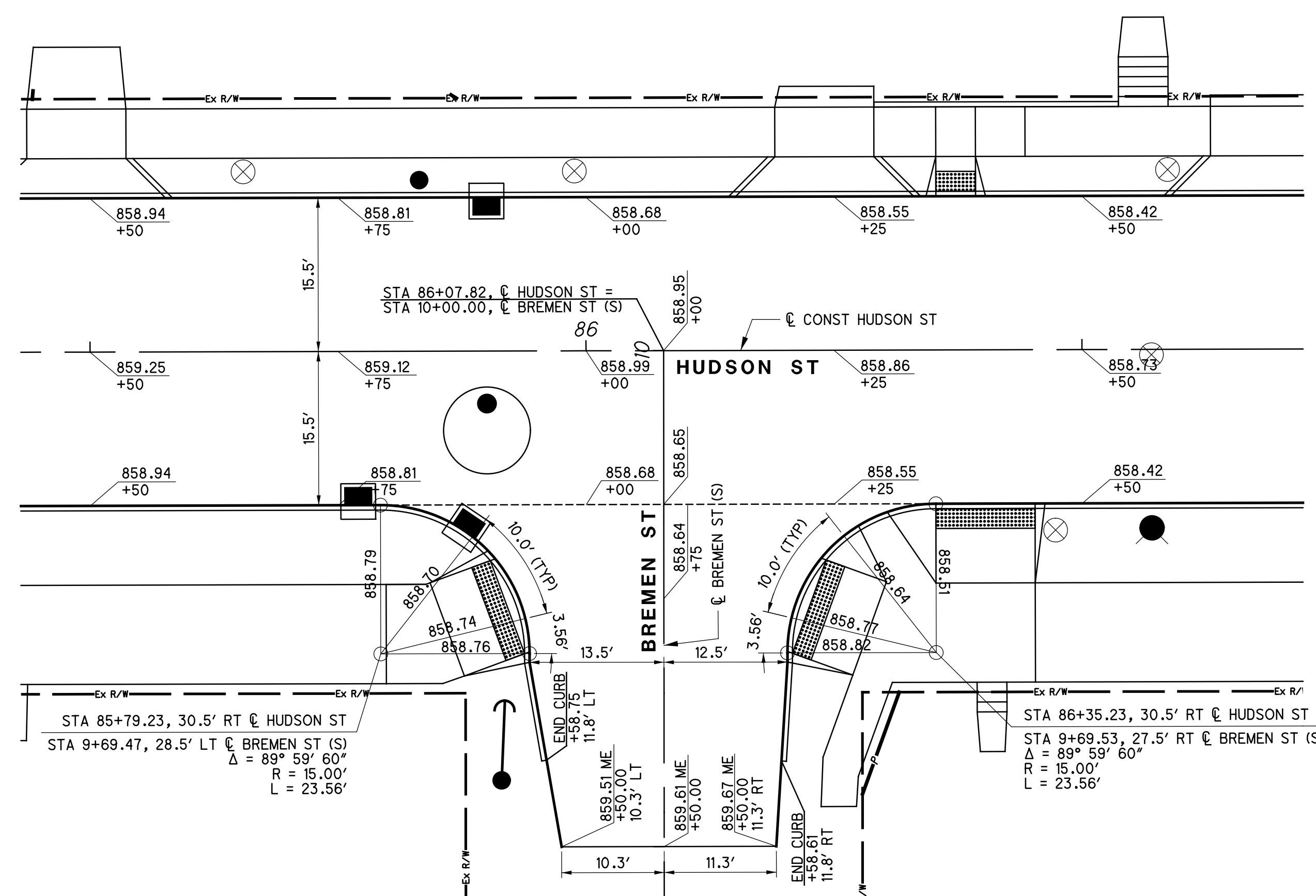
- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL
- TC = TOP OF CURB
- ME = MATCH EXISTING
- EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.

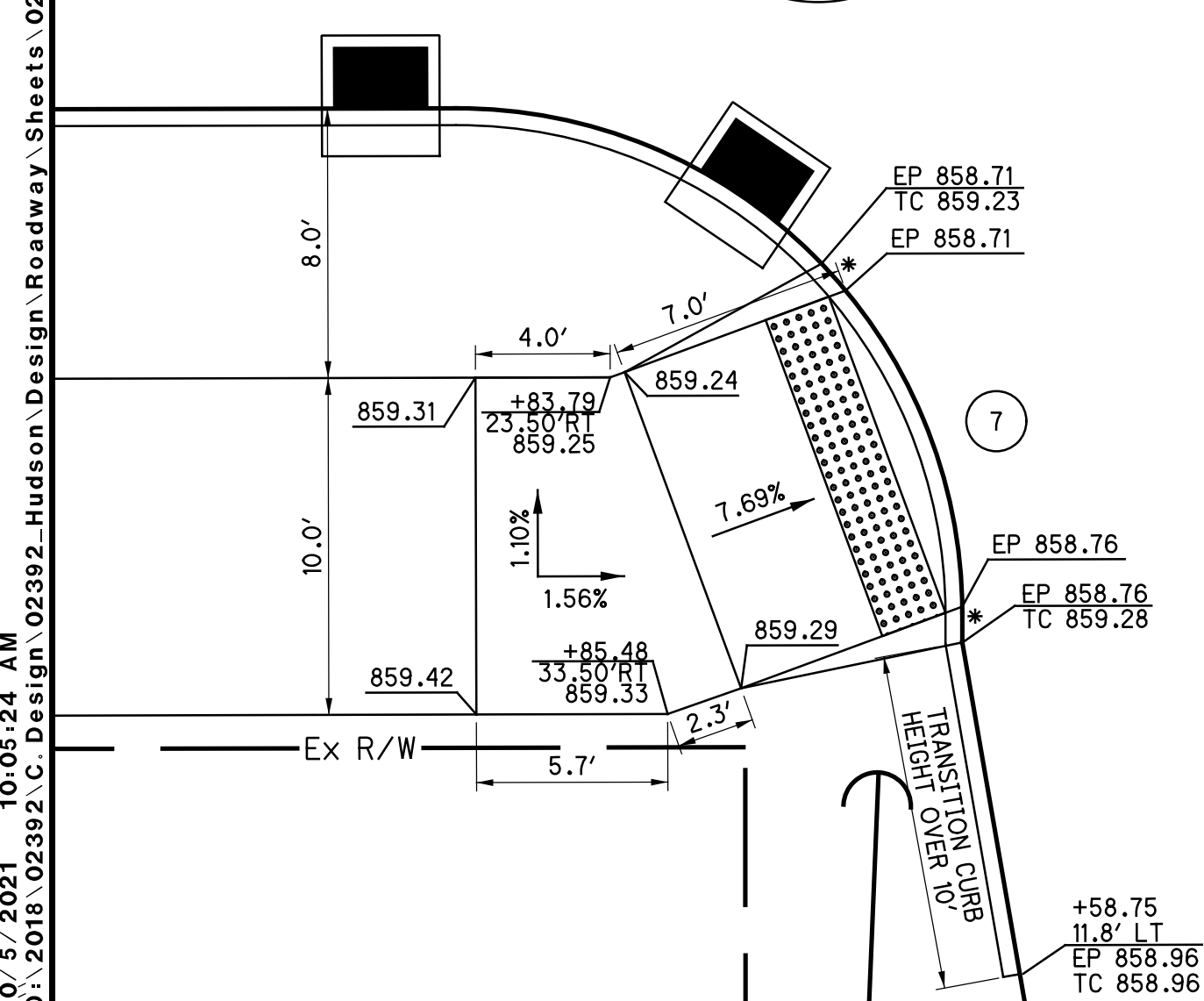


NORTHEAST CORNER  
SCALE: 1" = 5'

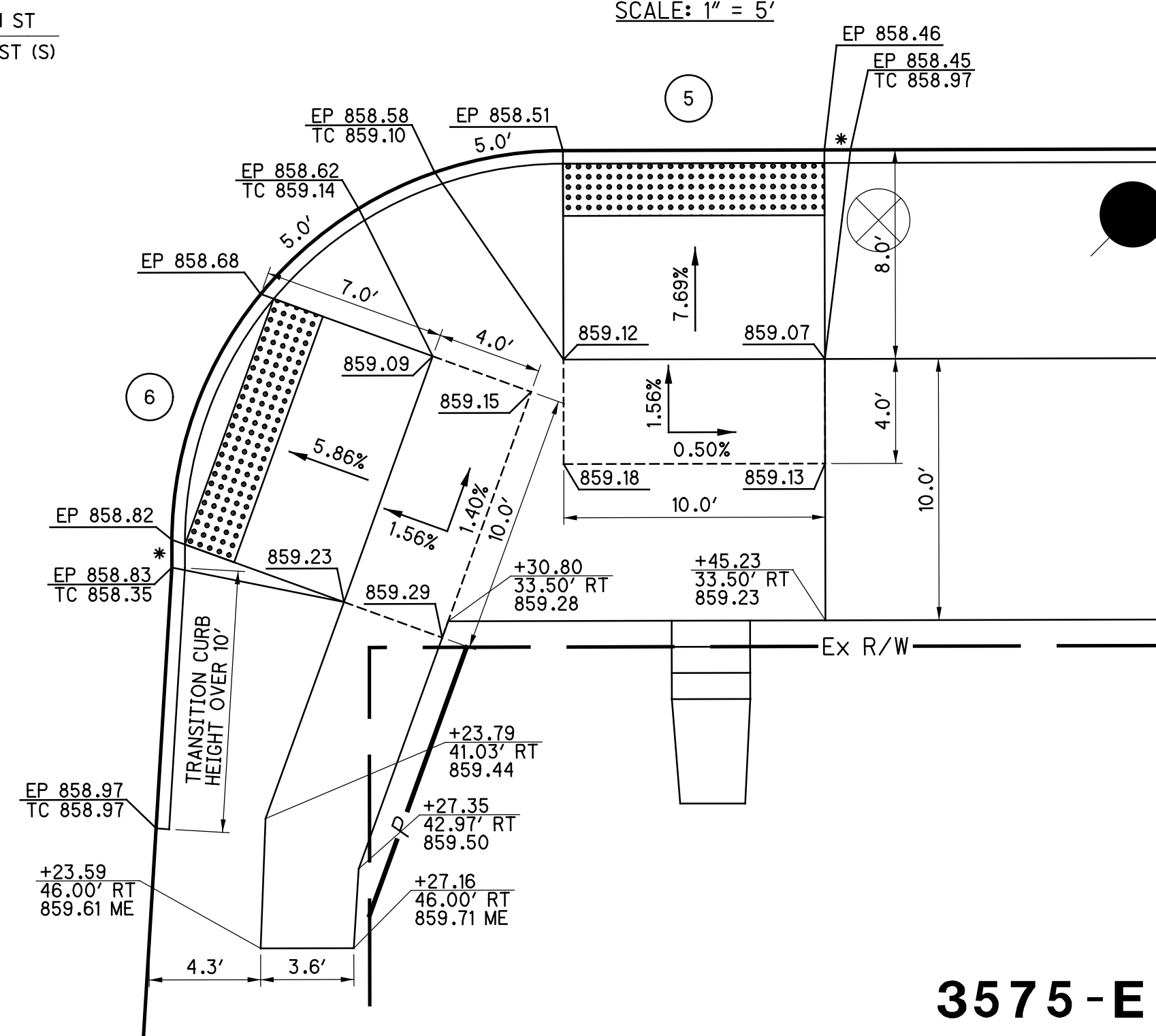


HUDSON ST AT BREMEN ST (S)  
SCALE: 1" = 10'

SOUTHWEST CORNER  
SCALE: 1" = 5'



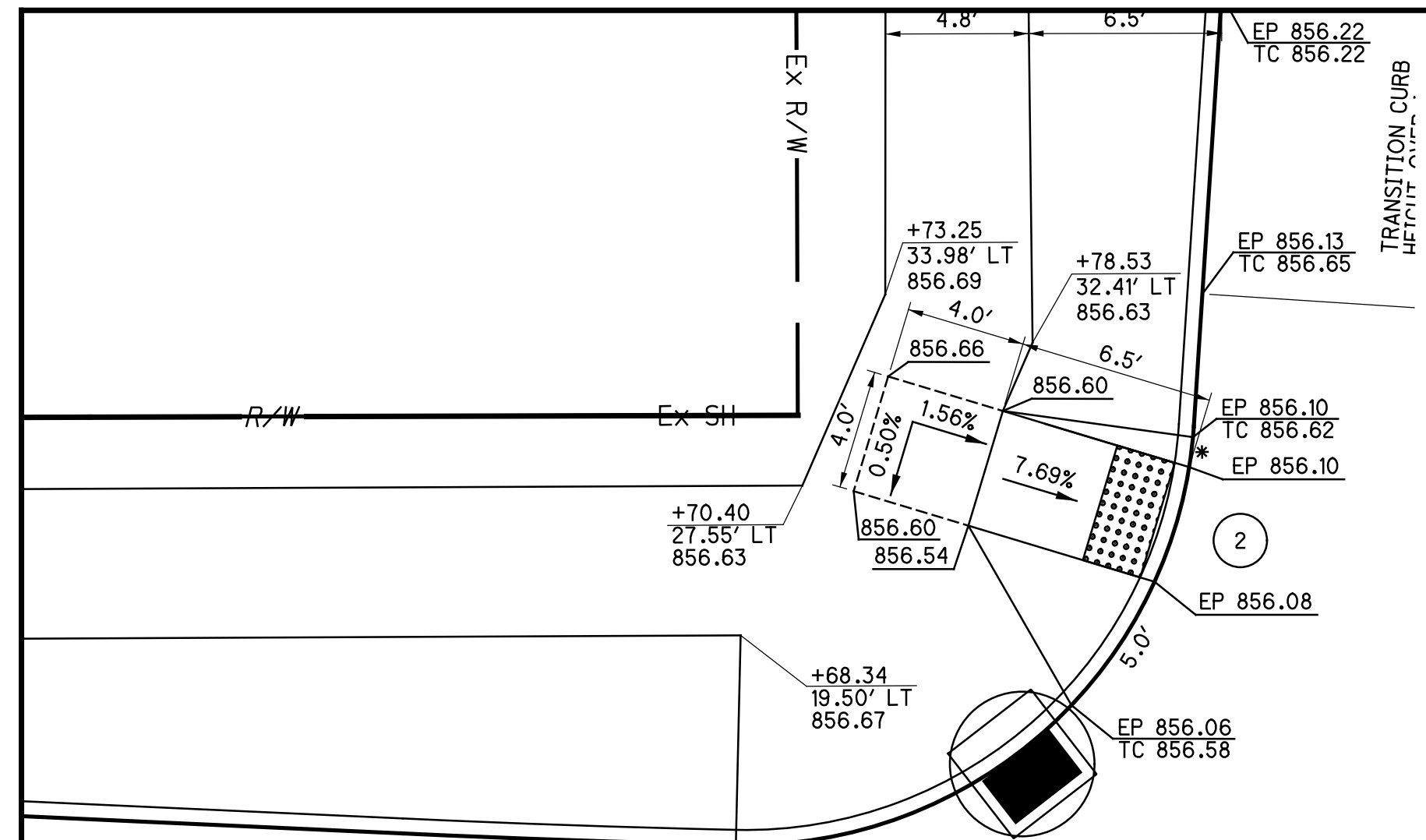
SOUTHEAST CORNER  
SCALE: 1" = 5'



INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT BREMEN ST (S)

HUDSON ST





NORTHWEST CORNER  
SCALE: 1" = 5'

- CURB RAMP CENTERLINES
- 2 STA 90+83.45, 26.3' LT
  - 3 STA 91+07.58, 27.7' LT
  - 4 STA 91+18.82, 15.9' LT
  - 5 STA 91+17.52, 15.5' RT
  - 6 STA 90+98.83, 24.4' RT
  - 7 STA 90+79.37, 24.0' RT

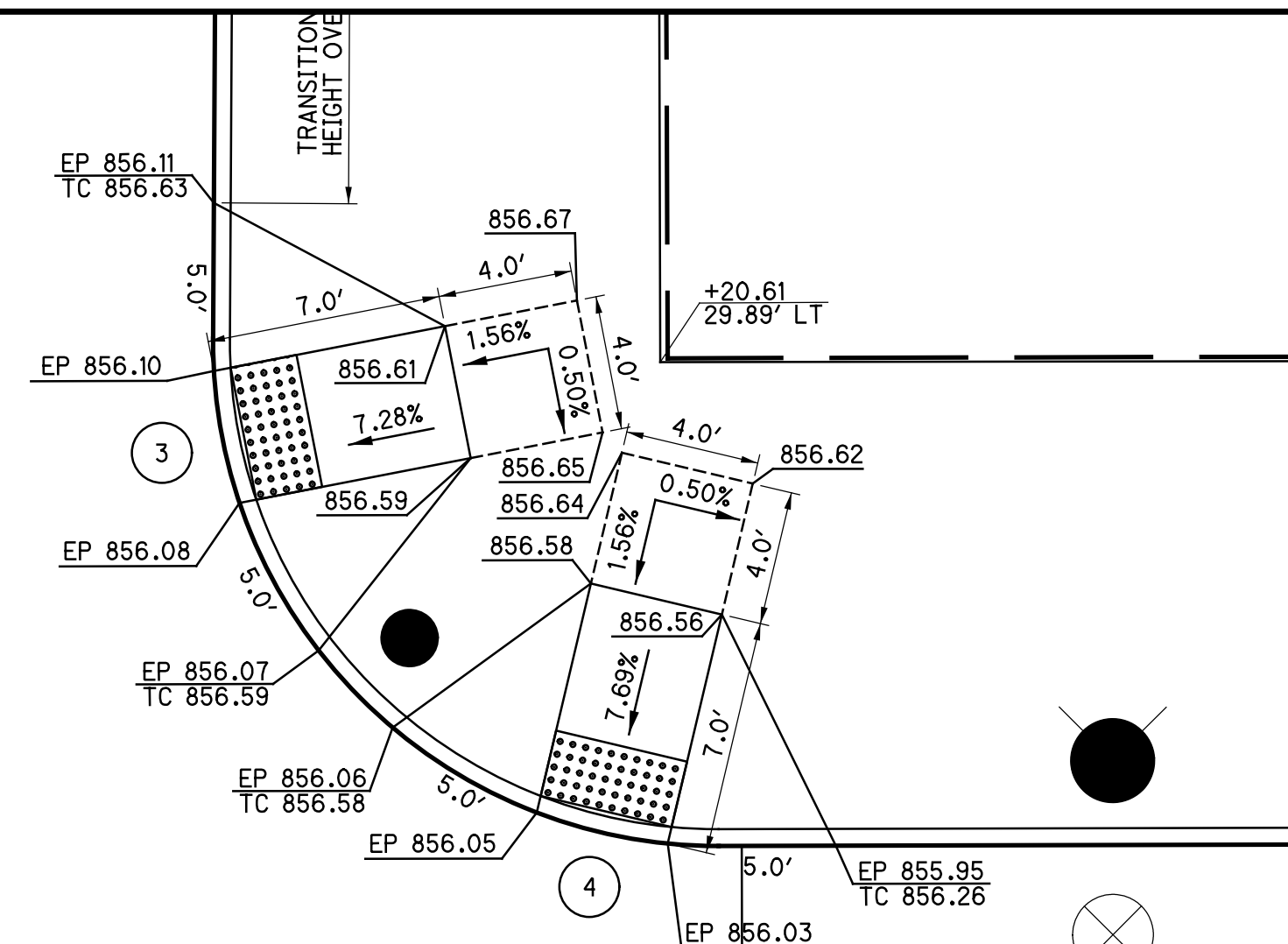
LEGEND

- \* = 1' RAMP FLARE UNLESS OTHERWISE NOTED
- # = MODIFIED CURB TO HAVE 4" REVEAL

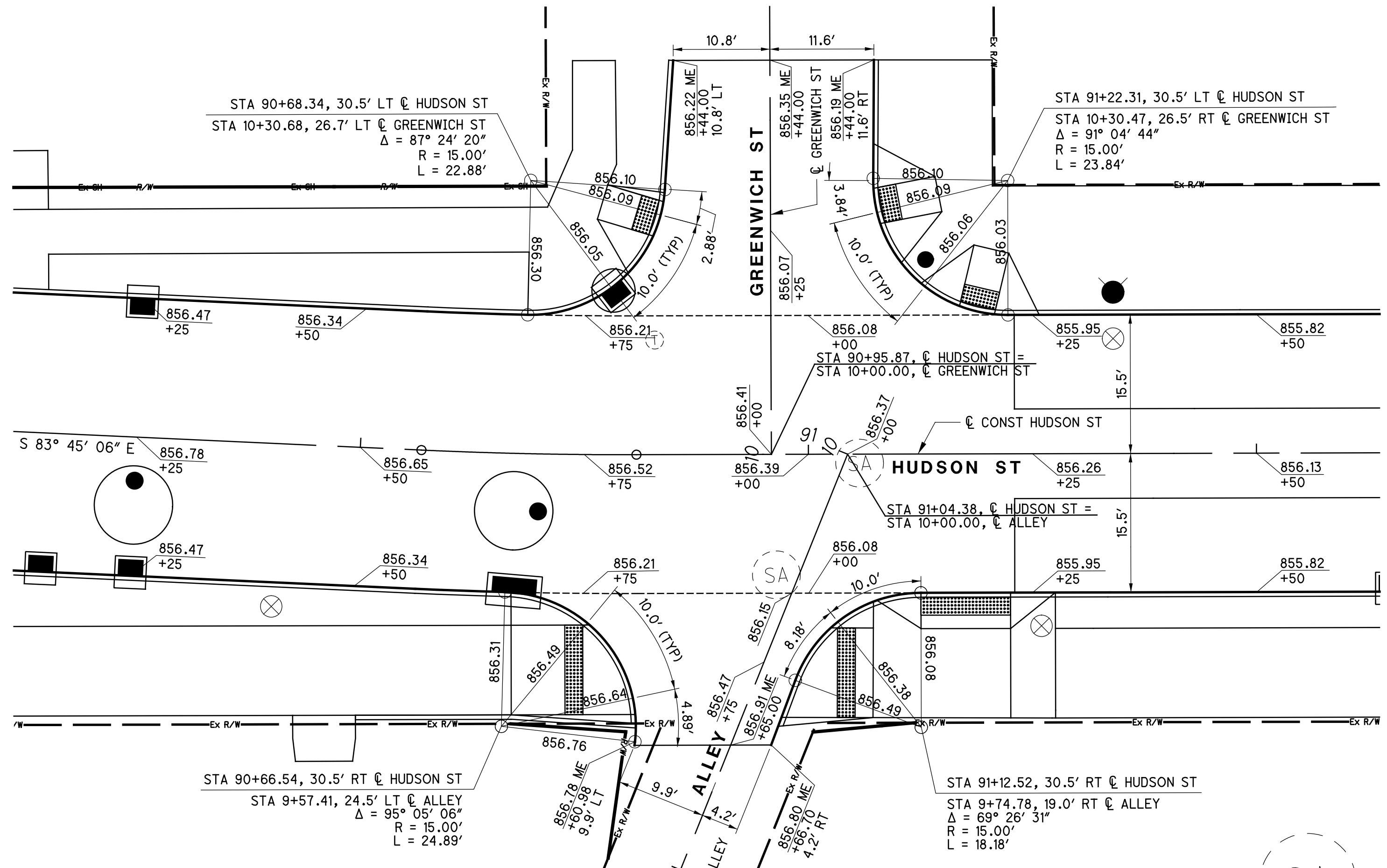
TC = TOP OF CURB  
ME = MATCH EXISTING  
EP = EDGE OF PAVEMENT

NOTE: RADIUS RETURN ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

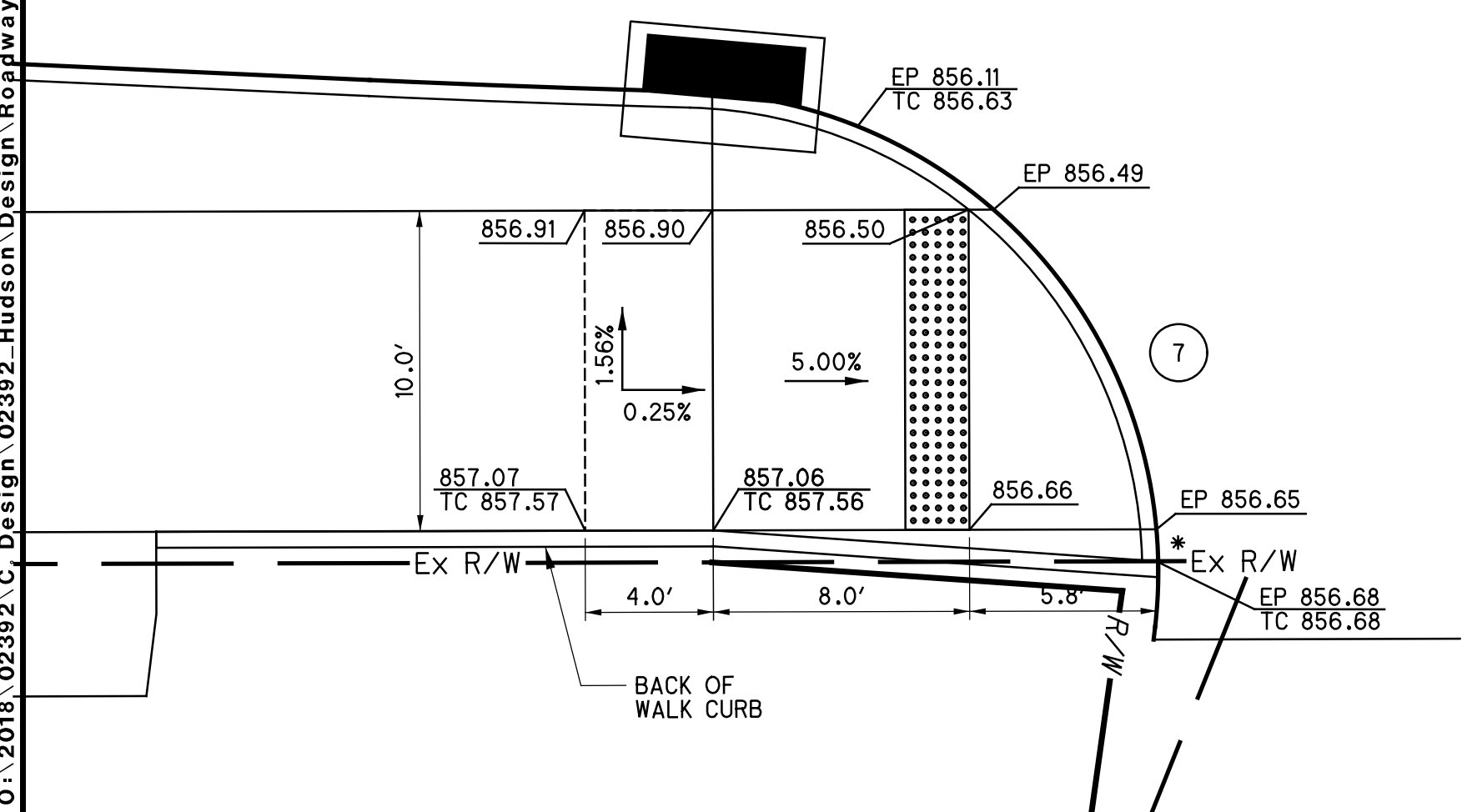
CURB IS 0.52 FT ABOVE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED IN CURB RAMP DETAIL.



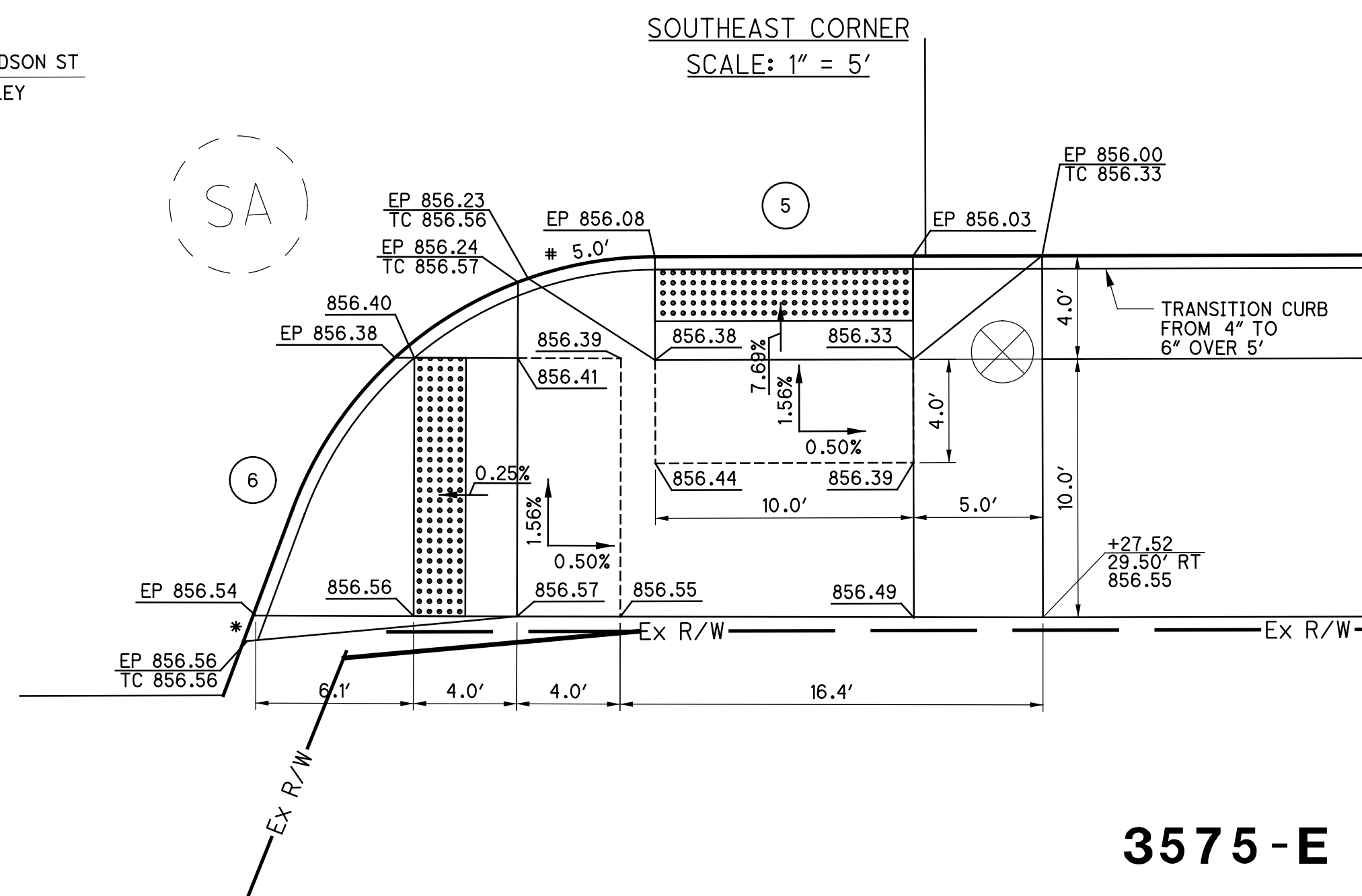
NORTHEAST CORNER  
SCALE: 1" = 5'



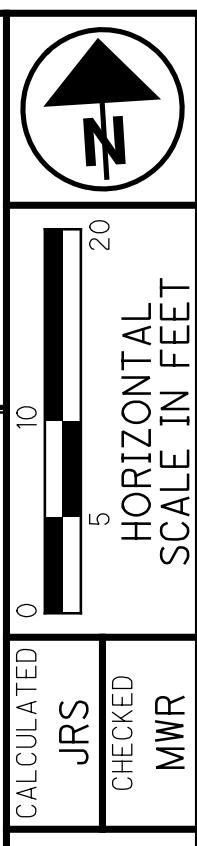
HUDSON ST AT GREENWICH ST  
SCALE: 1" = 10'



SOUTHWEST CORNER  
SCALE: 1" = 5'



SOUTHEAST CORNER  
SCALE: 1" = 5'

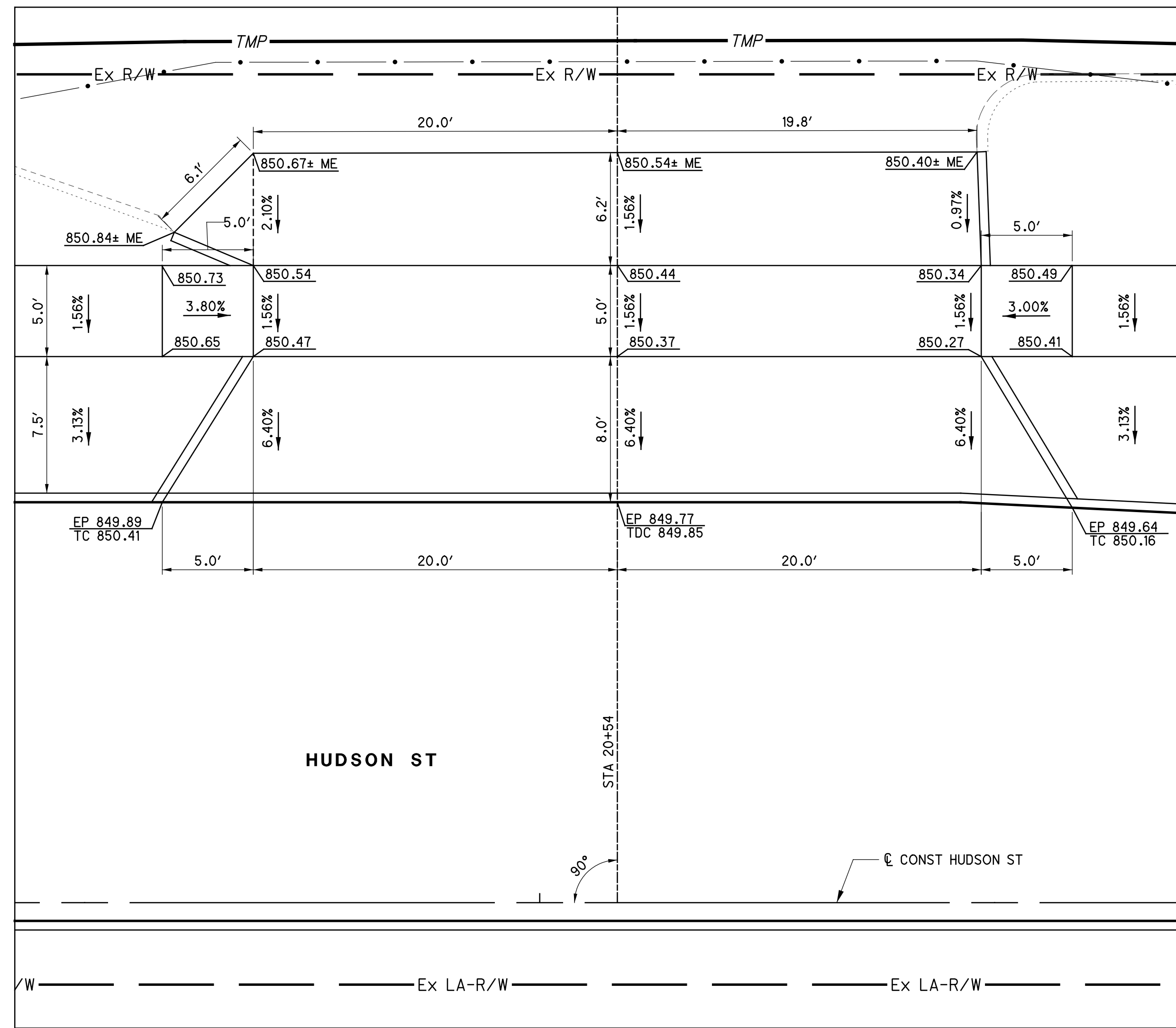


INTERSECTION & CURB RAMP DETAILS  
HUDSON ST AT GREENWICH ST

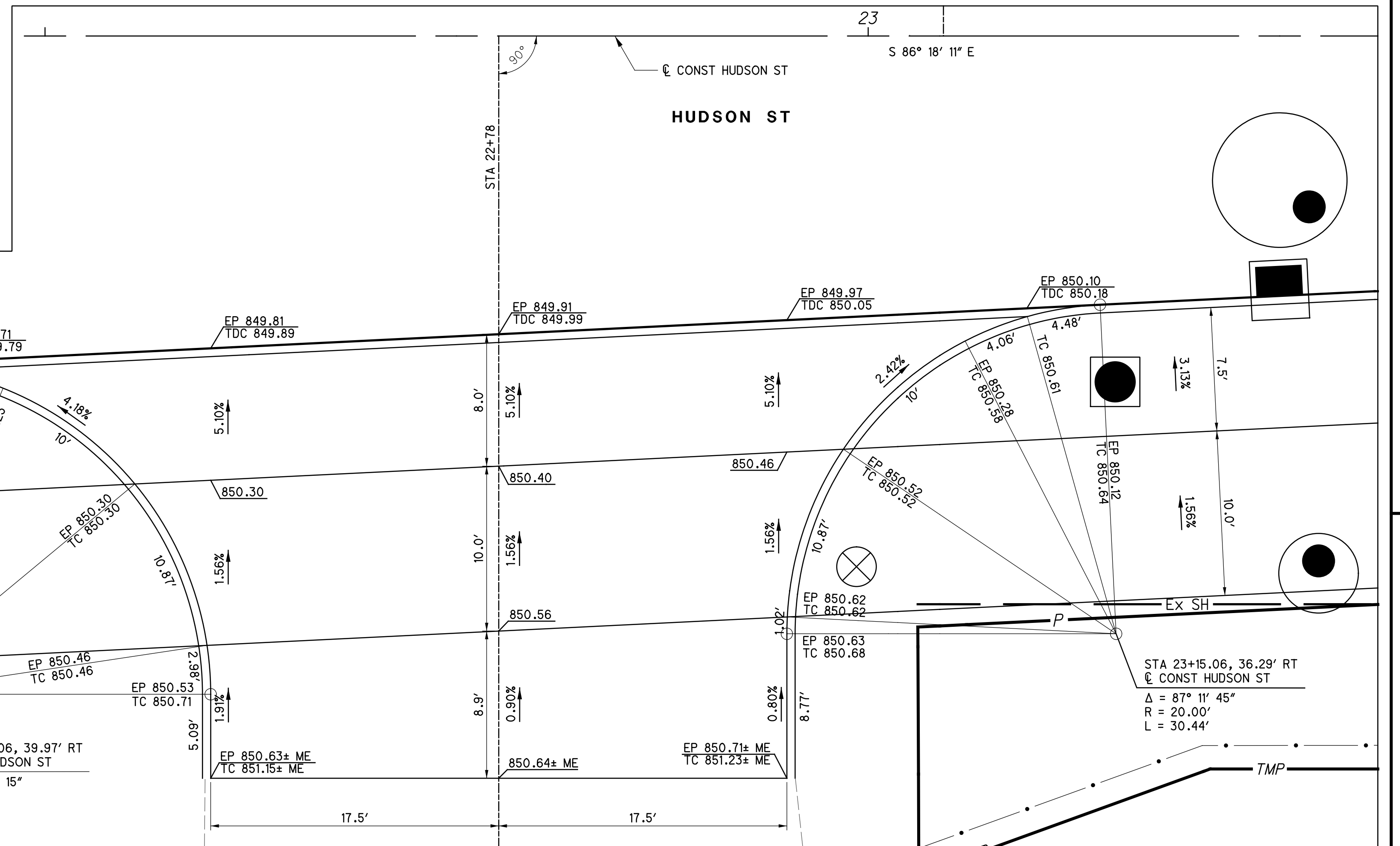
HUDSON ST

CALCULATED  
JRS  
CHECKED  
MWR

soltesz 10/5/2021 10:05:28 AM  
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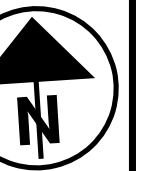


DRIVE DETAIL AT HUDSON ST STA 20+54 LT



DRIVE DETAIL AT HUDSON ST STA 22+78 RT

LEGEND  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING



0 5 10  
 2.5  
 HORIZONTAL  
 SCALE IN FEET

CALCULATED JRS  
 CHECKED MWR

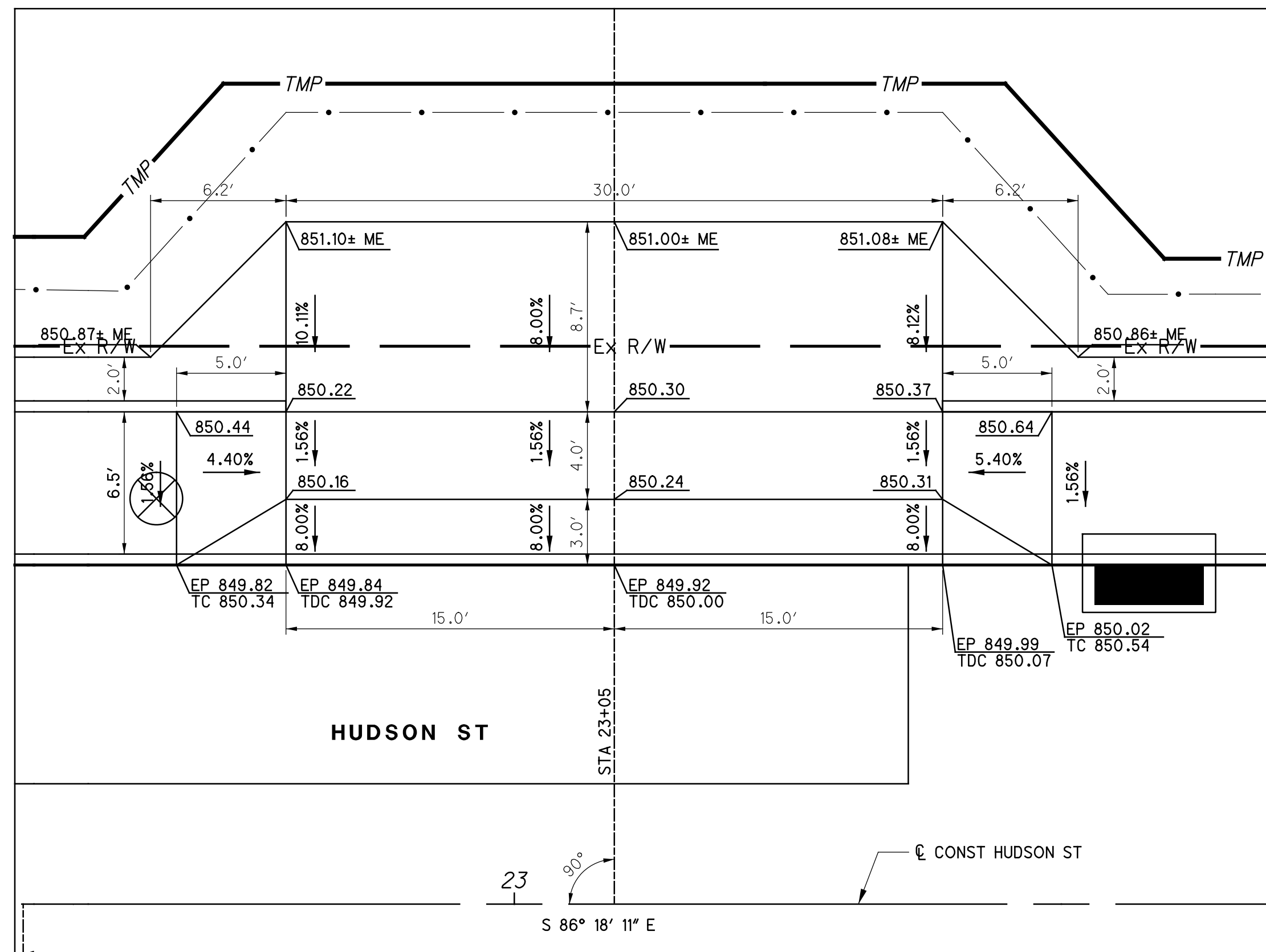
DRIVE DETAILS  
 HUDSON ST

HUDSON ST

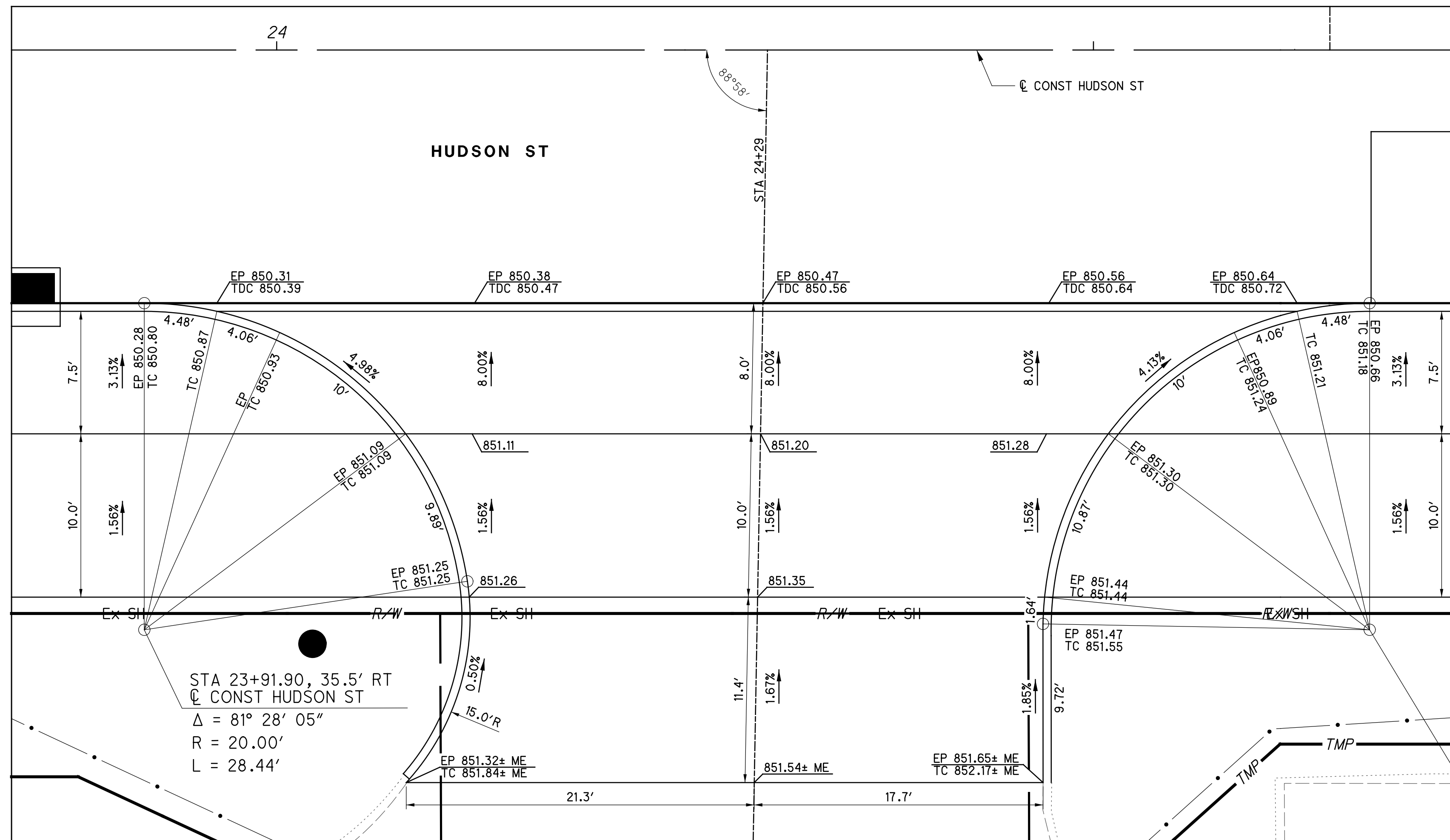
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3575-E

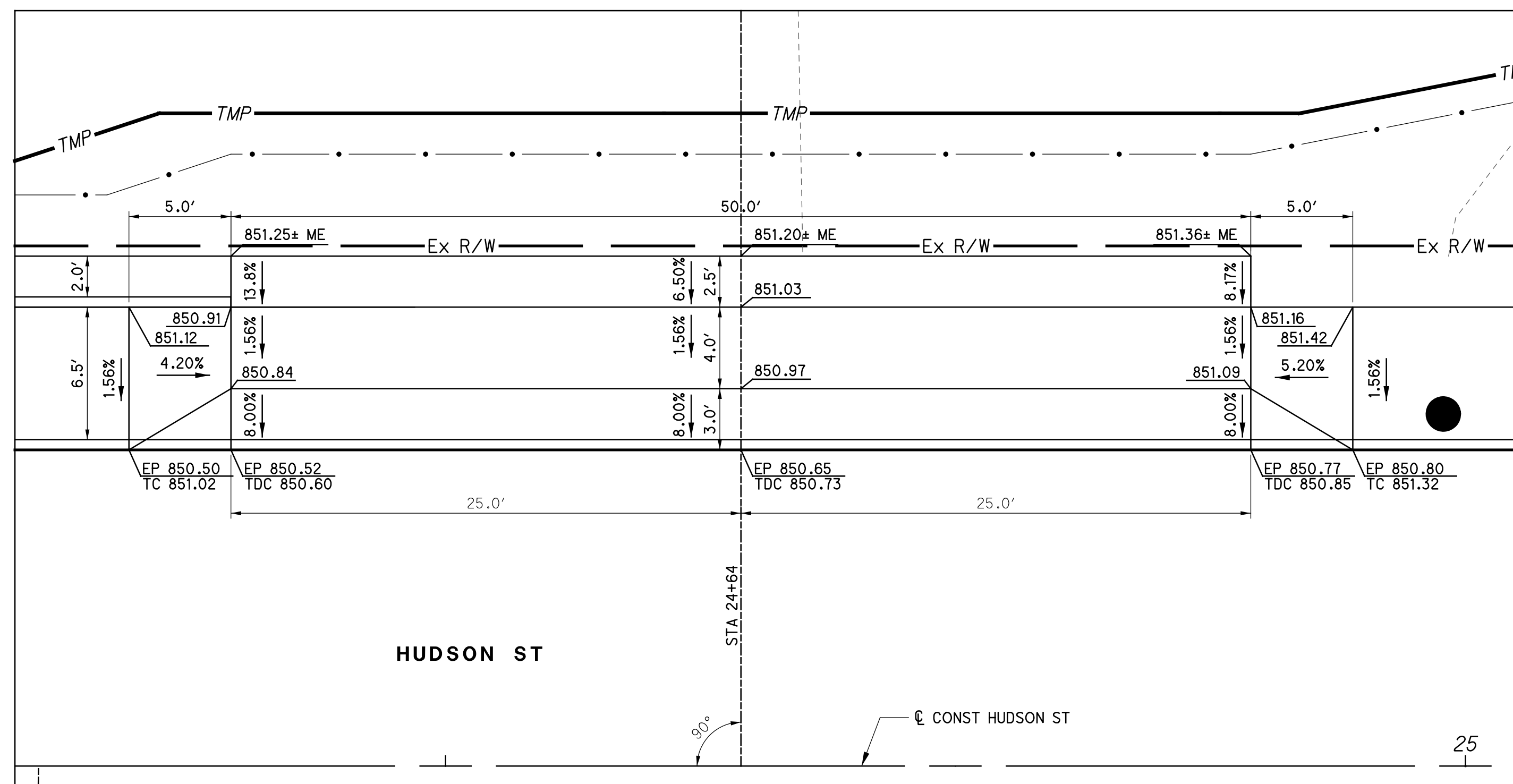
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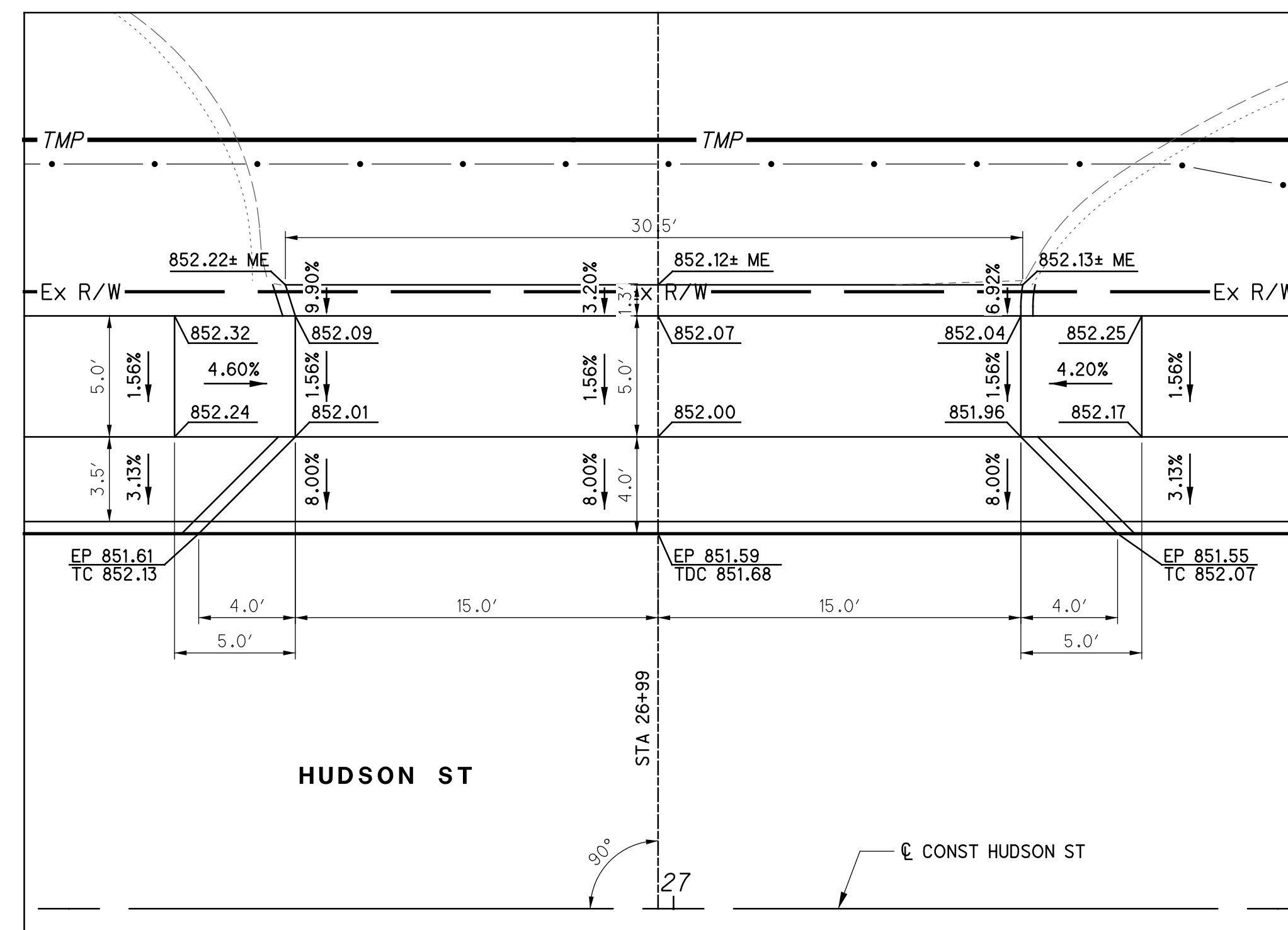
DRIVE DETAIL AT HUDSON ST STA 23+05 LT



DRIVE DETAIL AT HUDSON ST STA 24+29 RT



DRIVE DETAIL AT HUDSON ST STA 24+64 LT



DRIVE DETAIL AT HUDSON ST STA 26+99 LT

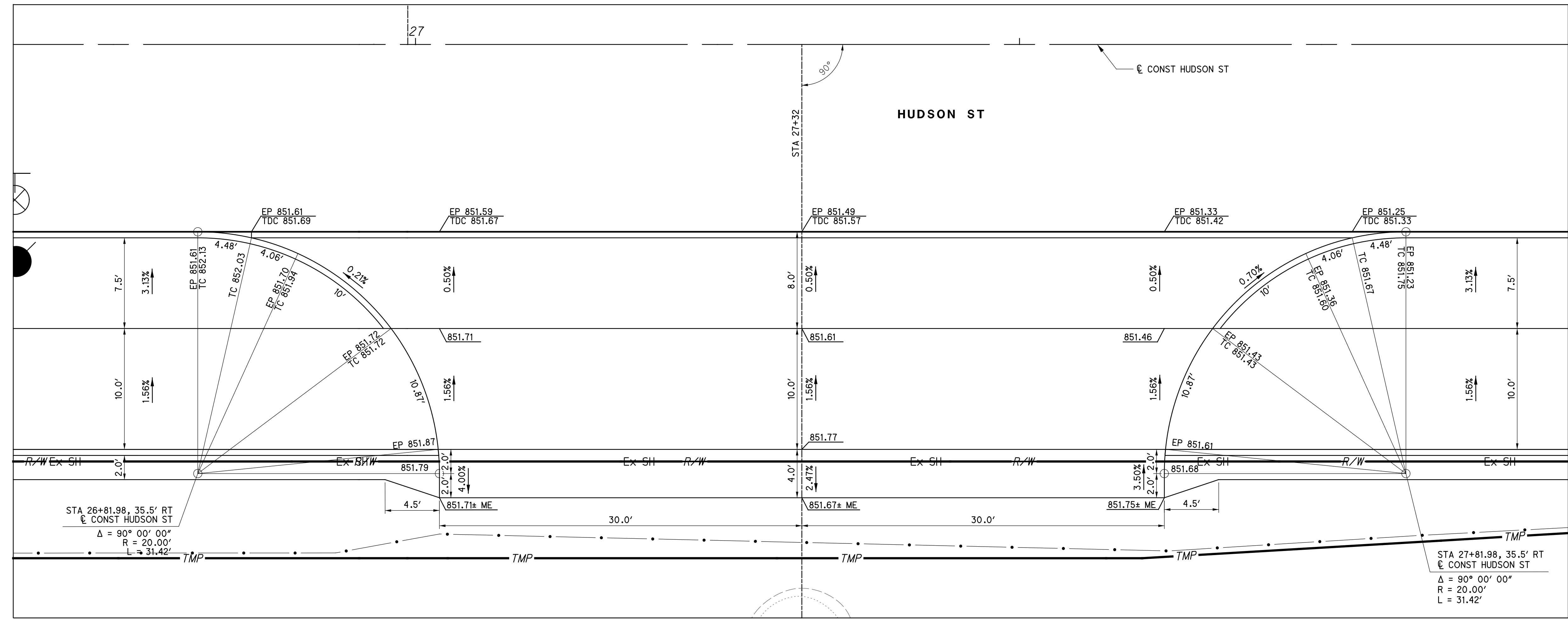
LEGEND  
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 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

CALCULATED JRS  
 CHECKED MWR

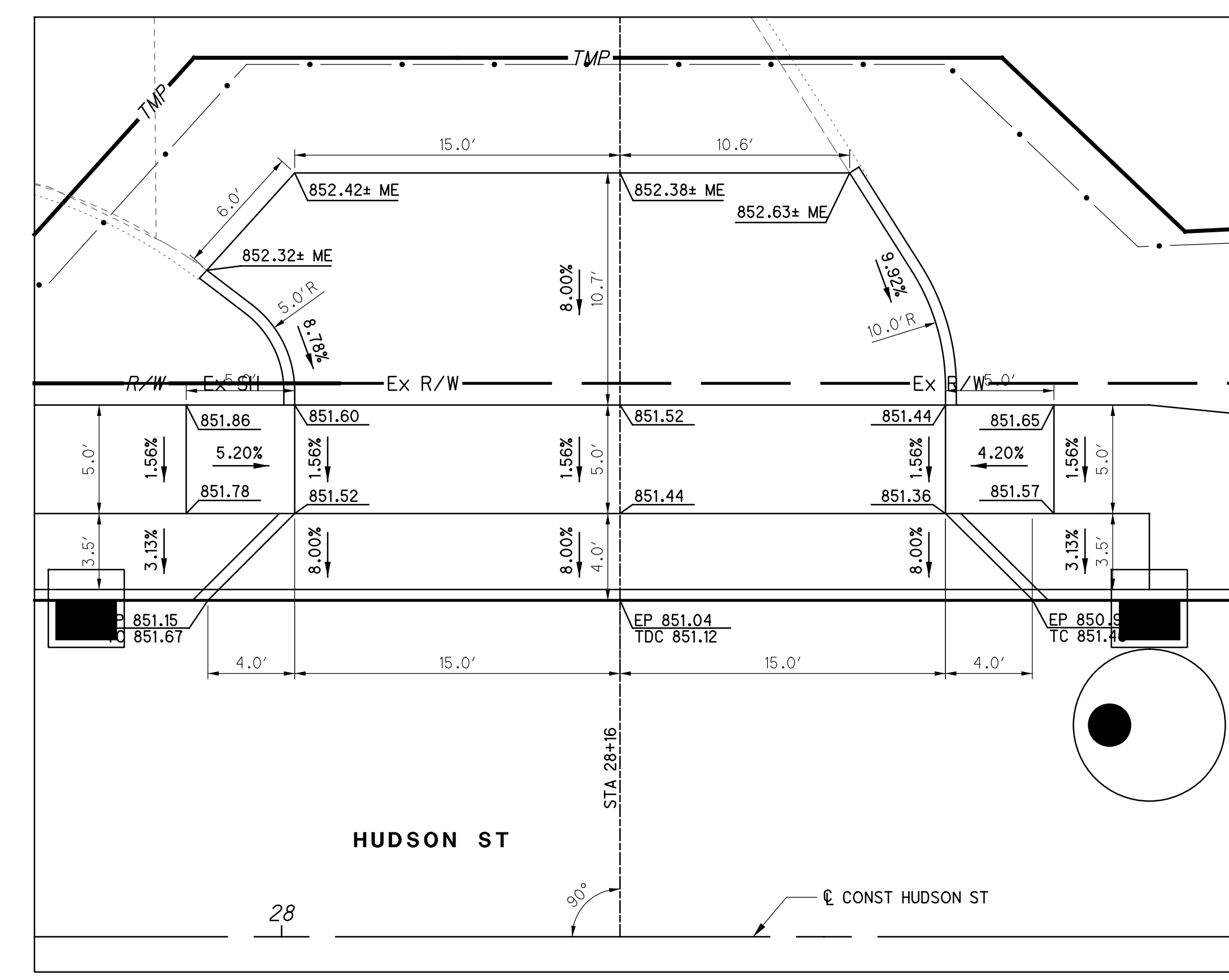
DRIVE DETAILS  
 HUDSON ST

HUDSON ST

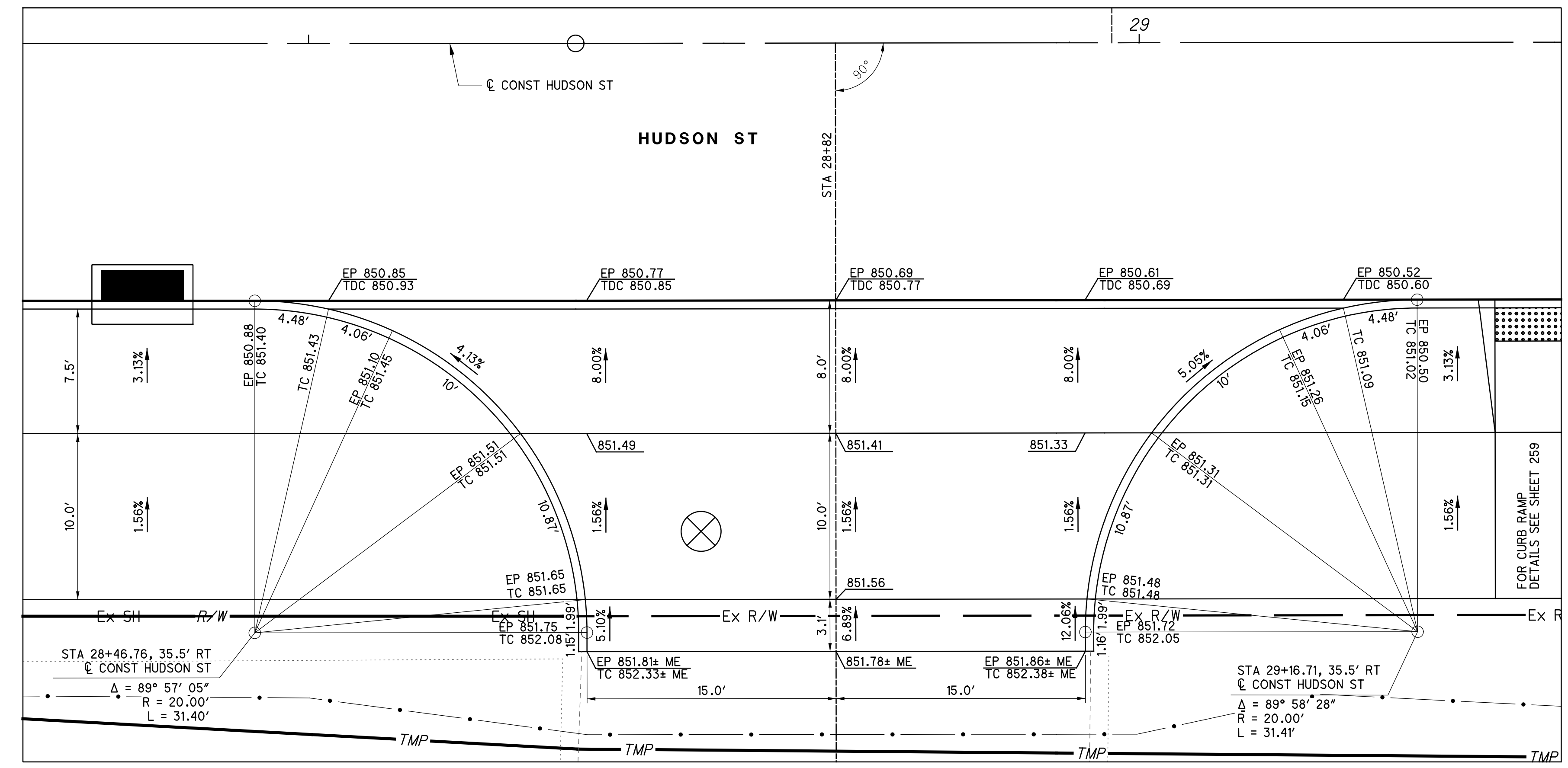
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DRIVE DETAIL AT HUDSON ST STA 27+32 RT



DRIVE DETAIL AT HUDSON ST STA 28+16 LT



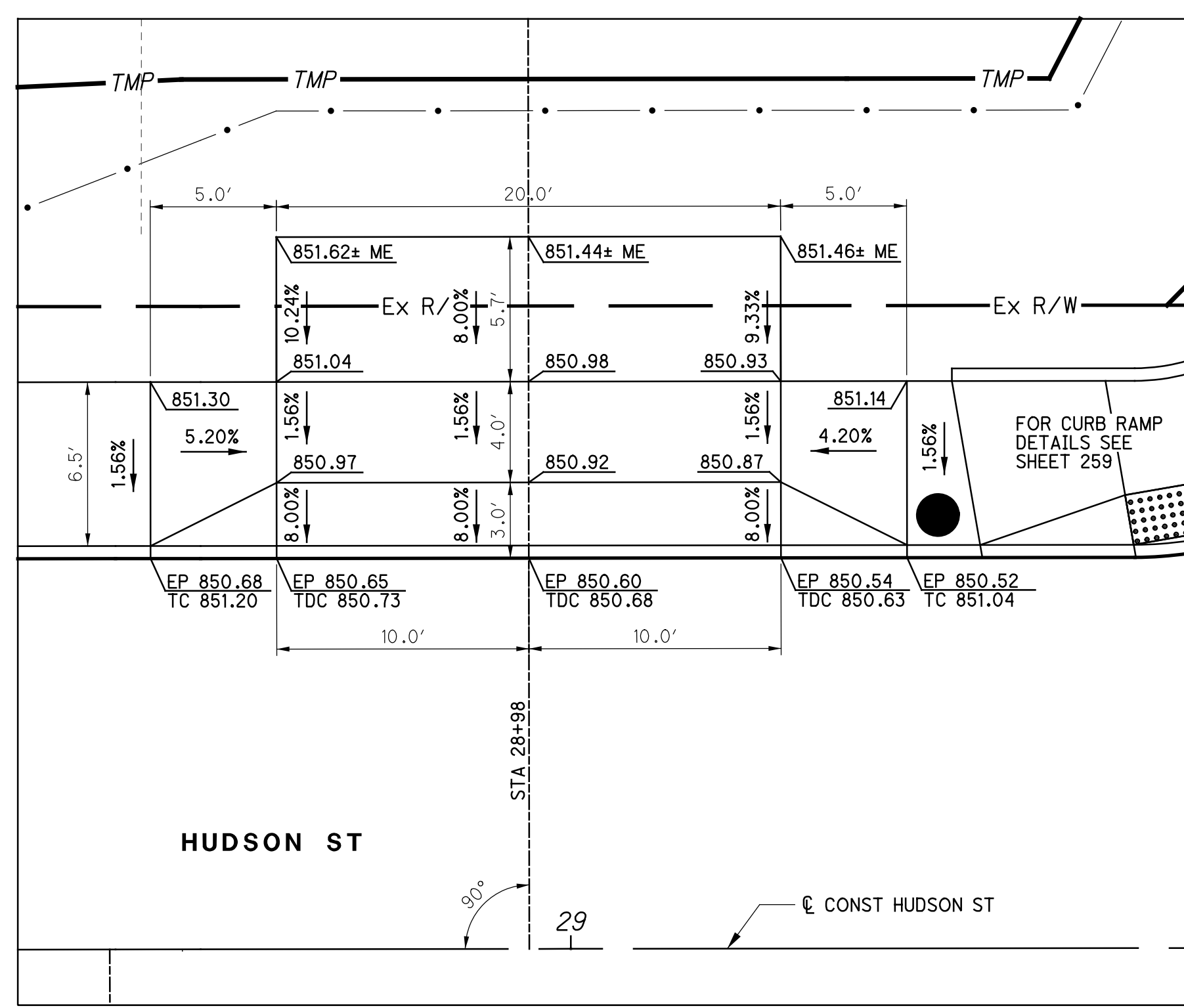
DRIVE DETAIL AT HUDSON ST STA 28+82 RT

**LEGEND**  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

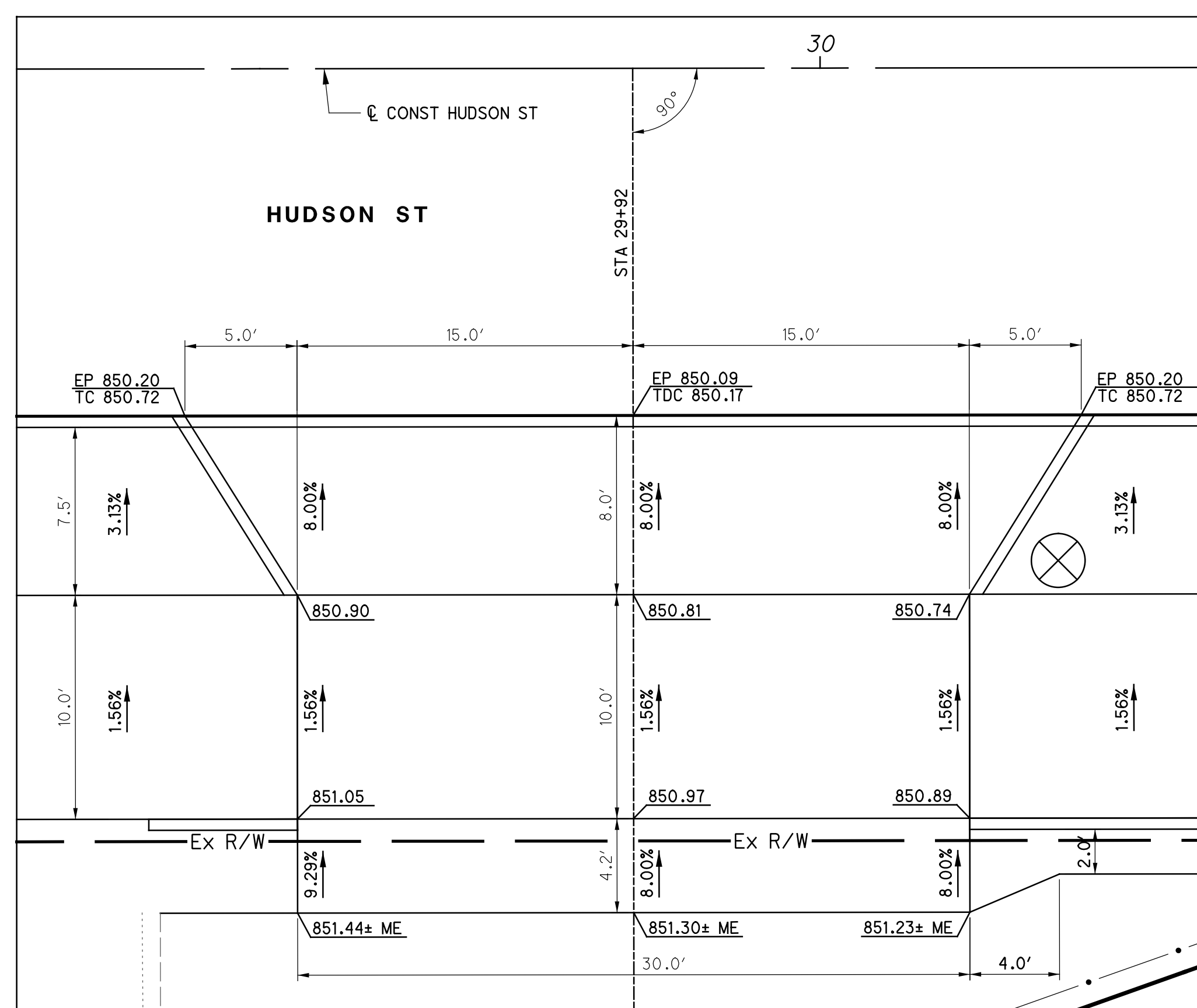
CALCULATED JRS  
 CHECKED MWR

**DRIVE DETAILS  
HUDSON ST**

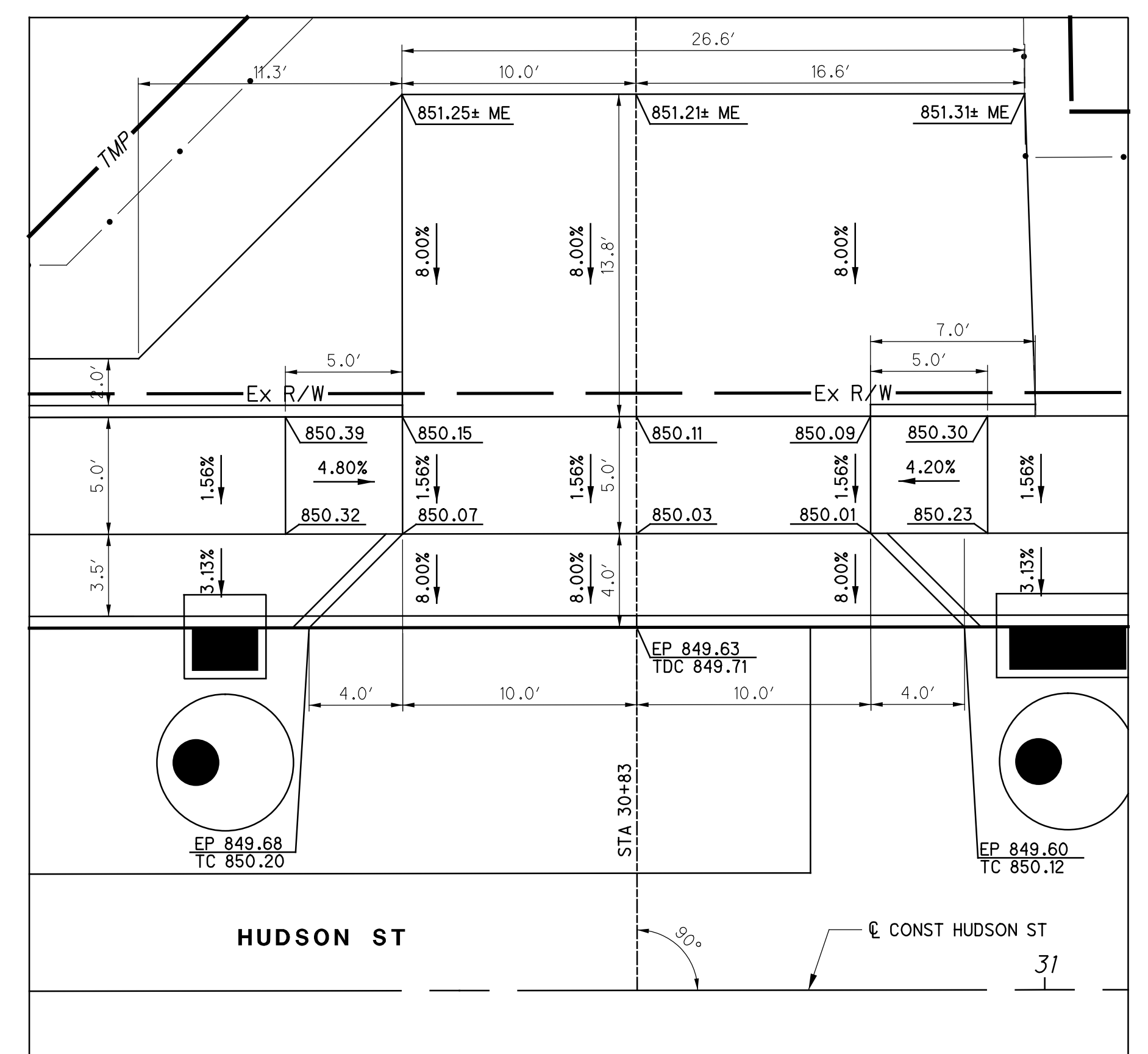
**HUDSON ST**



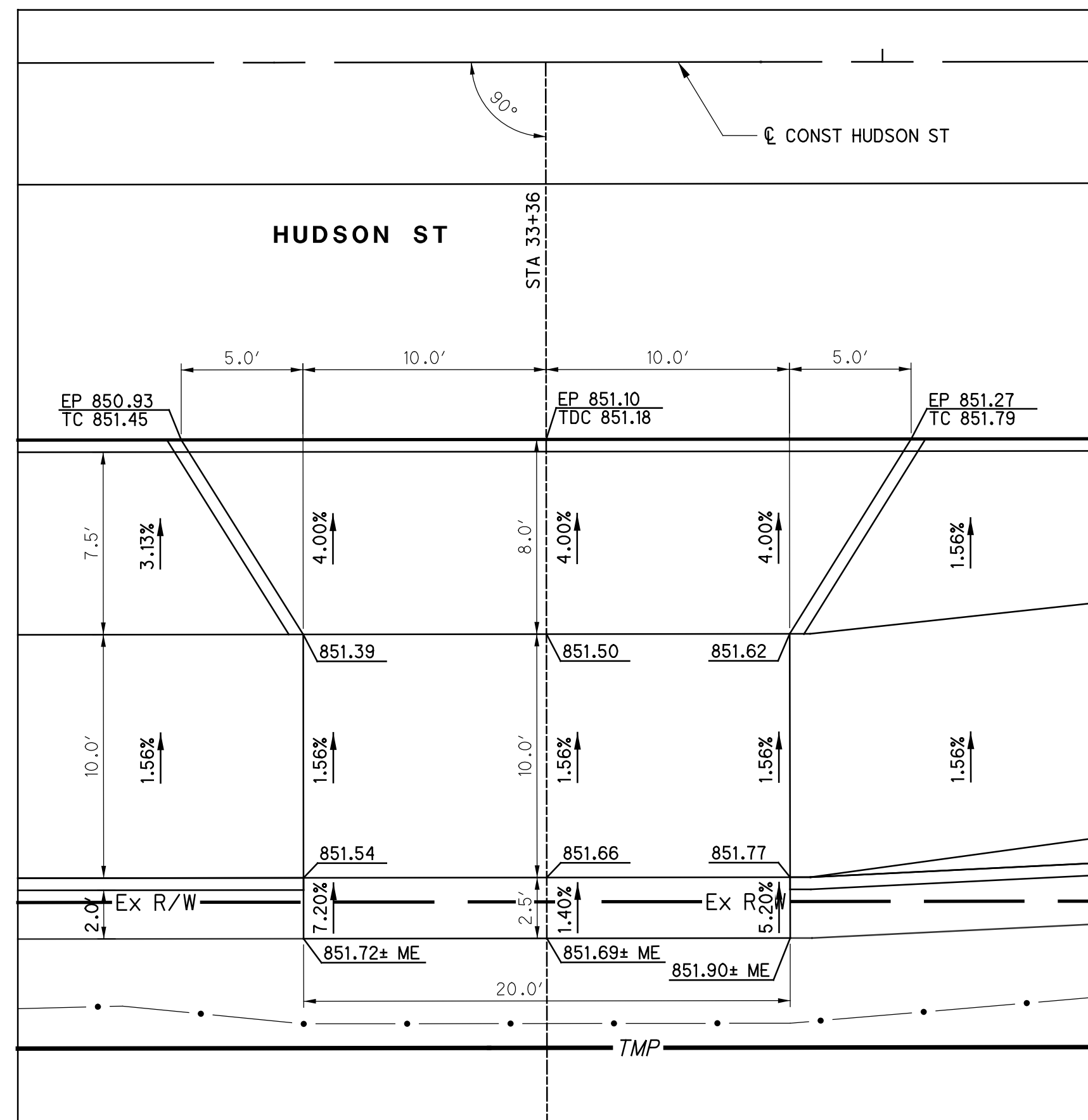
DRIVE DETAIL AT HUDSON ST STA 28+98 LT



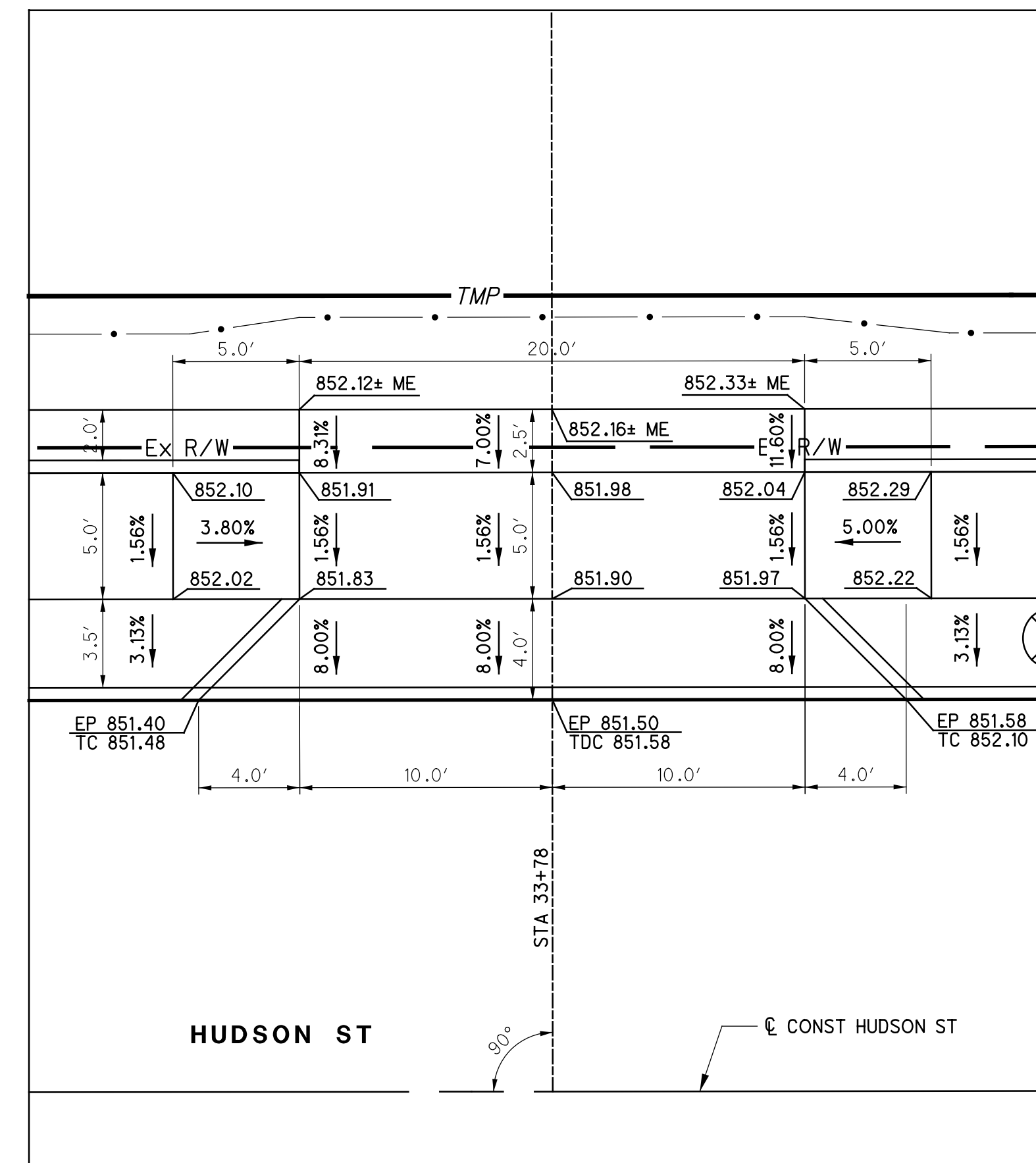
DRIVE DETAIL AT HUDSON ST STA 29+92 RT



DRIVE DETAIL AT HUDSON ST STA 30+83 LT

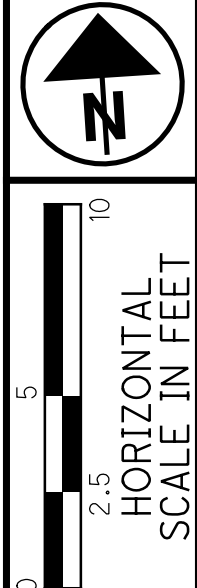


DRIVE DETAIL AT HUDSON ST STA 33+36 RT



DRIVE DETAIL AT HUDSON ST STA 33+78 LT

**LEGEND**  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

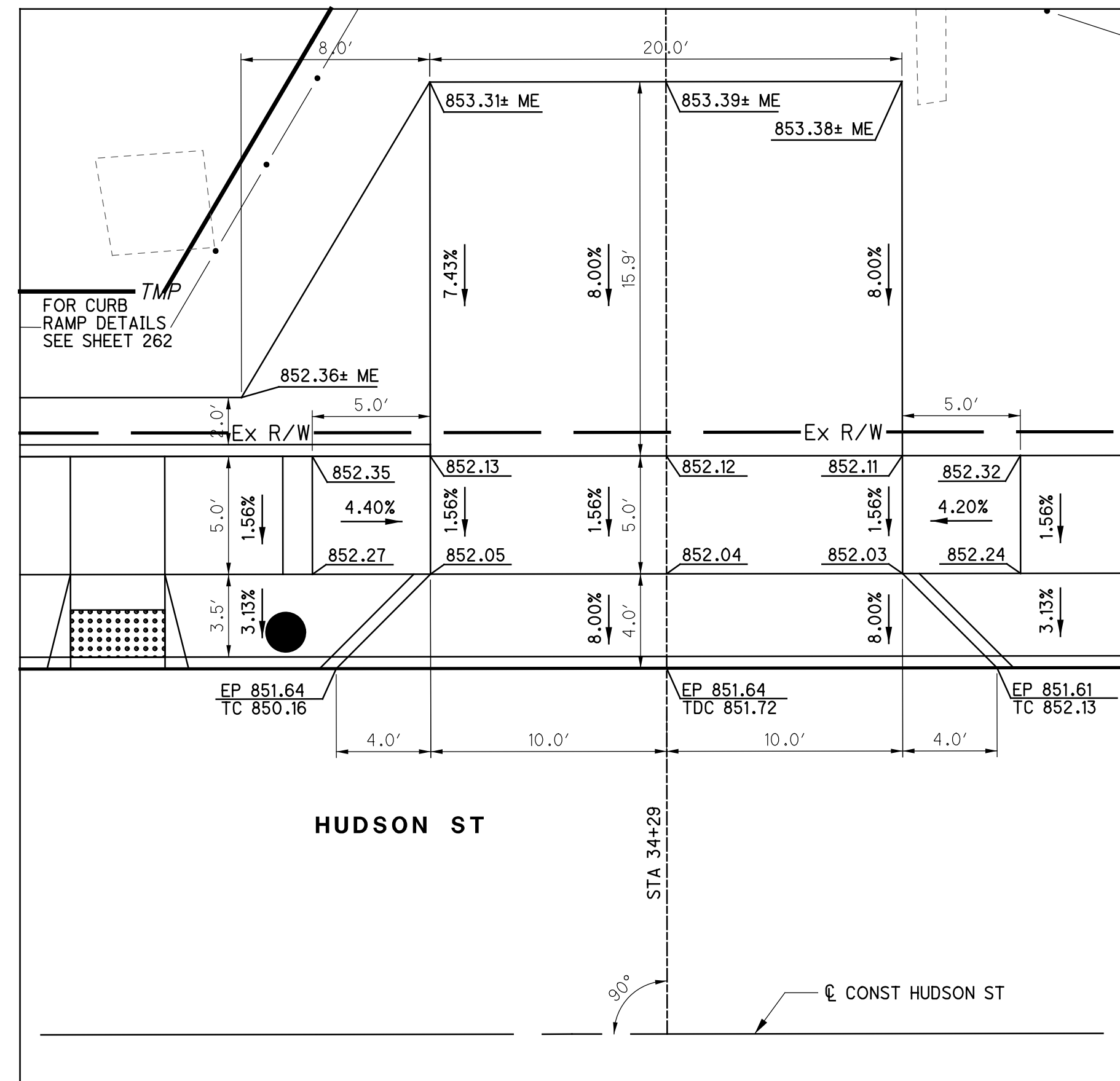


CALCULATED  
 JRS  
 CHECKED  
 MWR

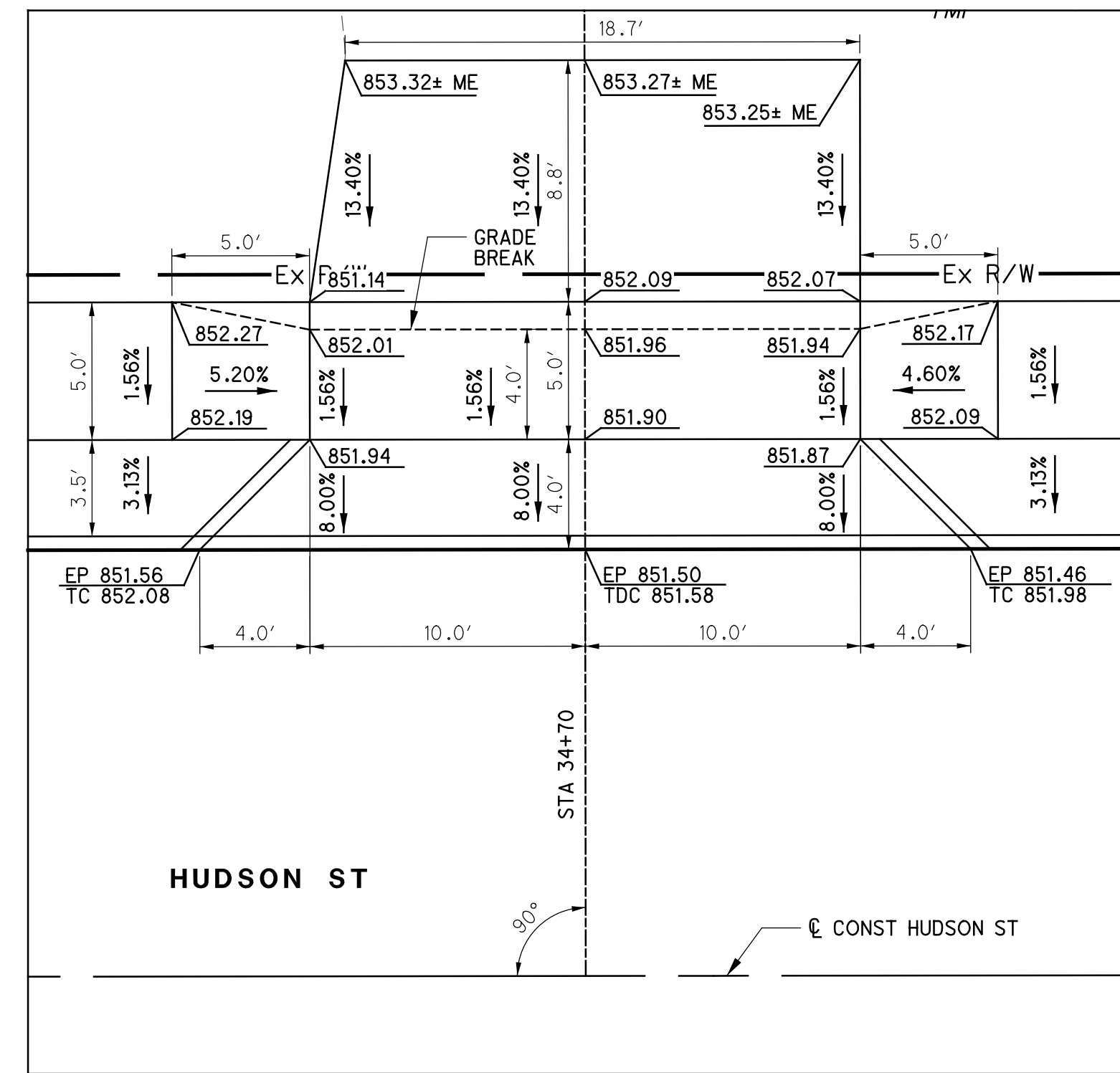
**DRIVE DETAILS  
HUDSON ST**

**HUDSON ST**

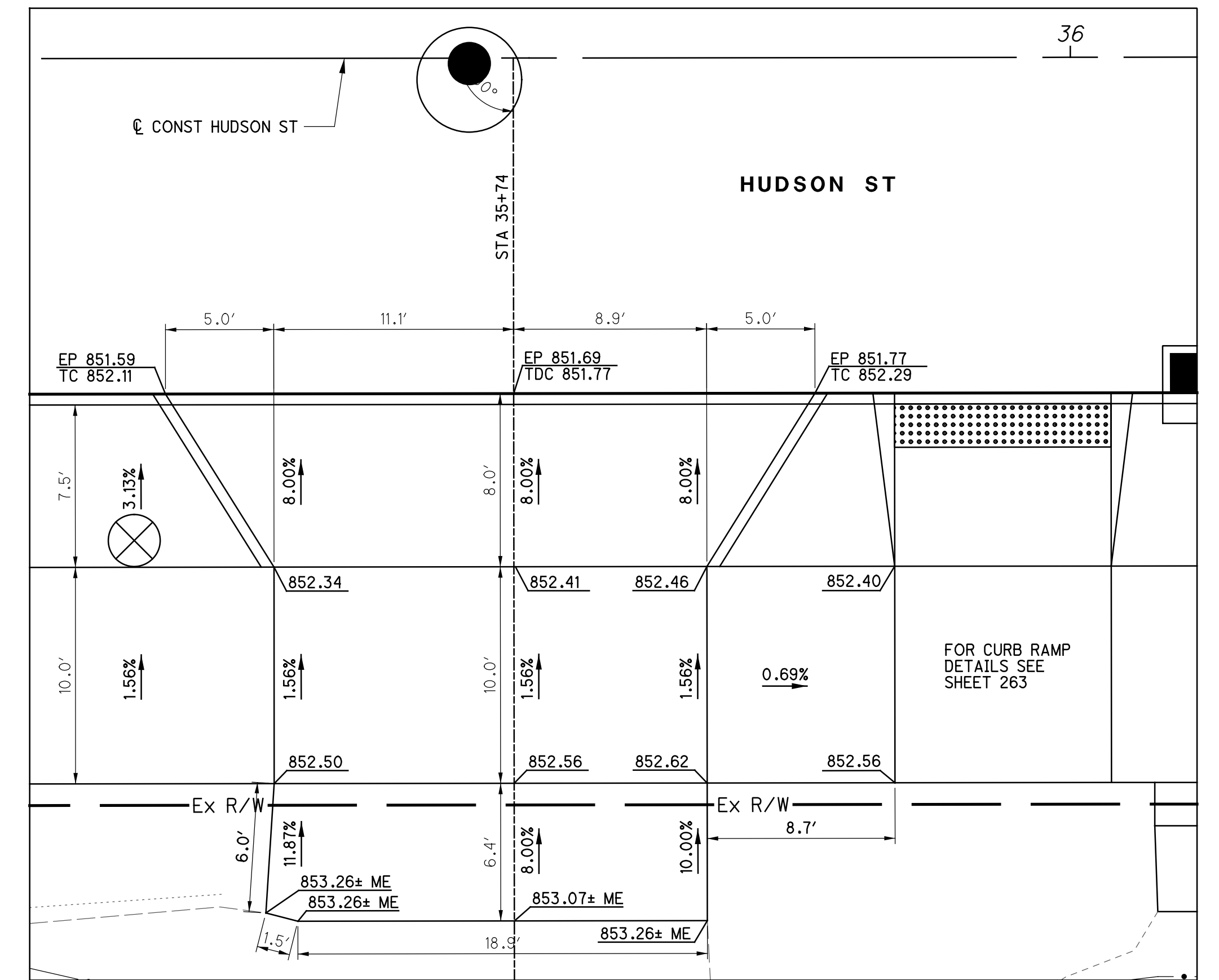
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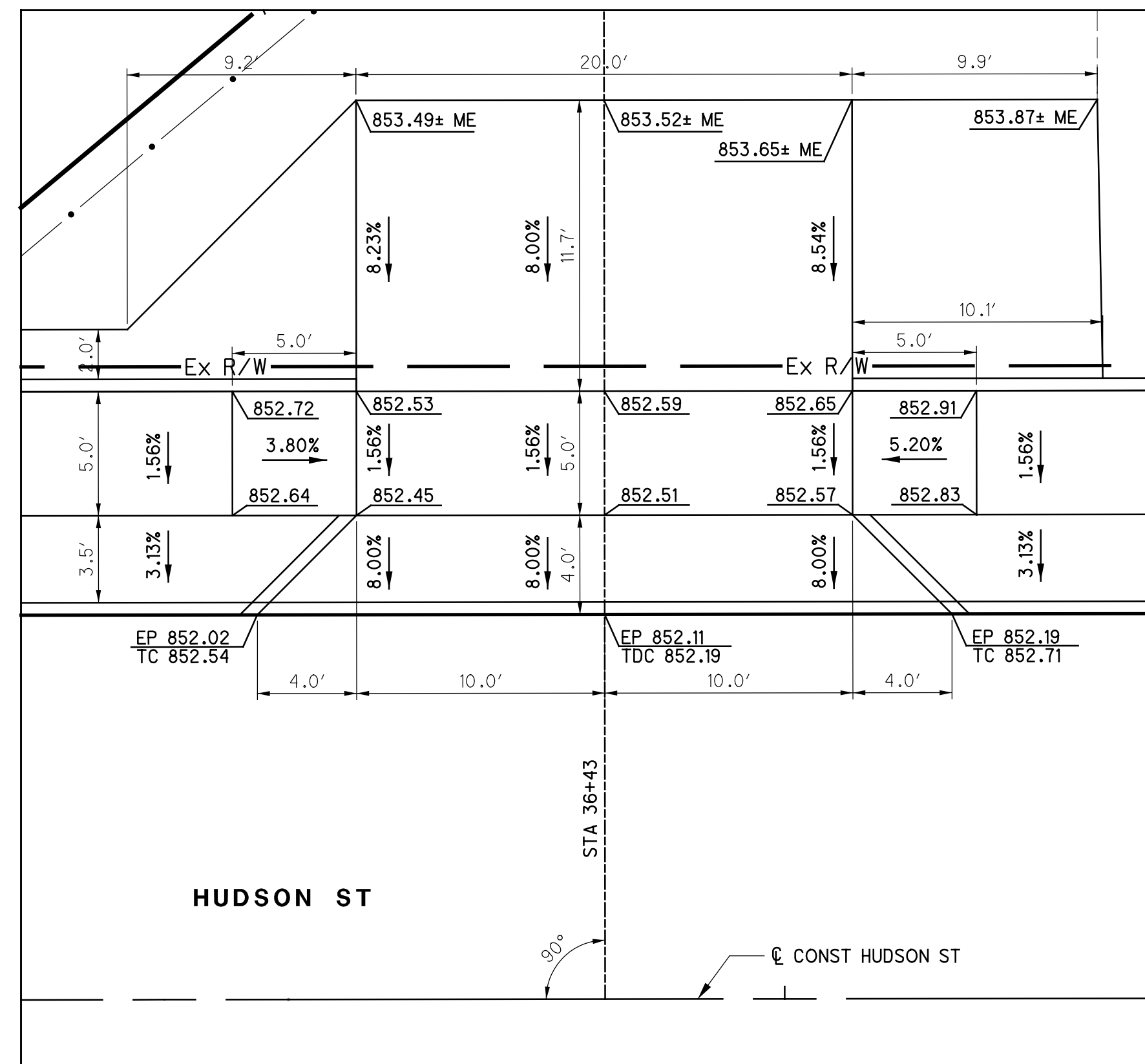
DRIVE DETAIL AT HUDSON ST STA 34+29 LT



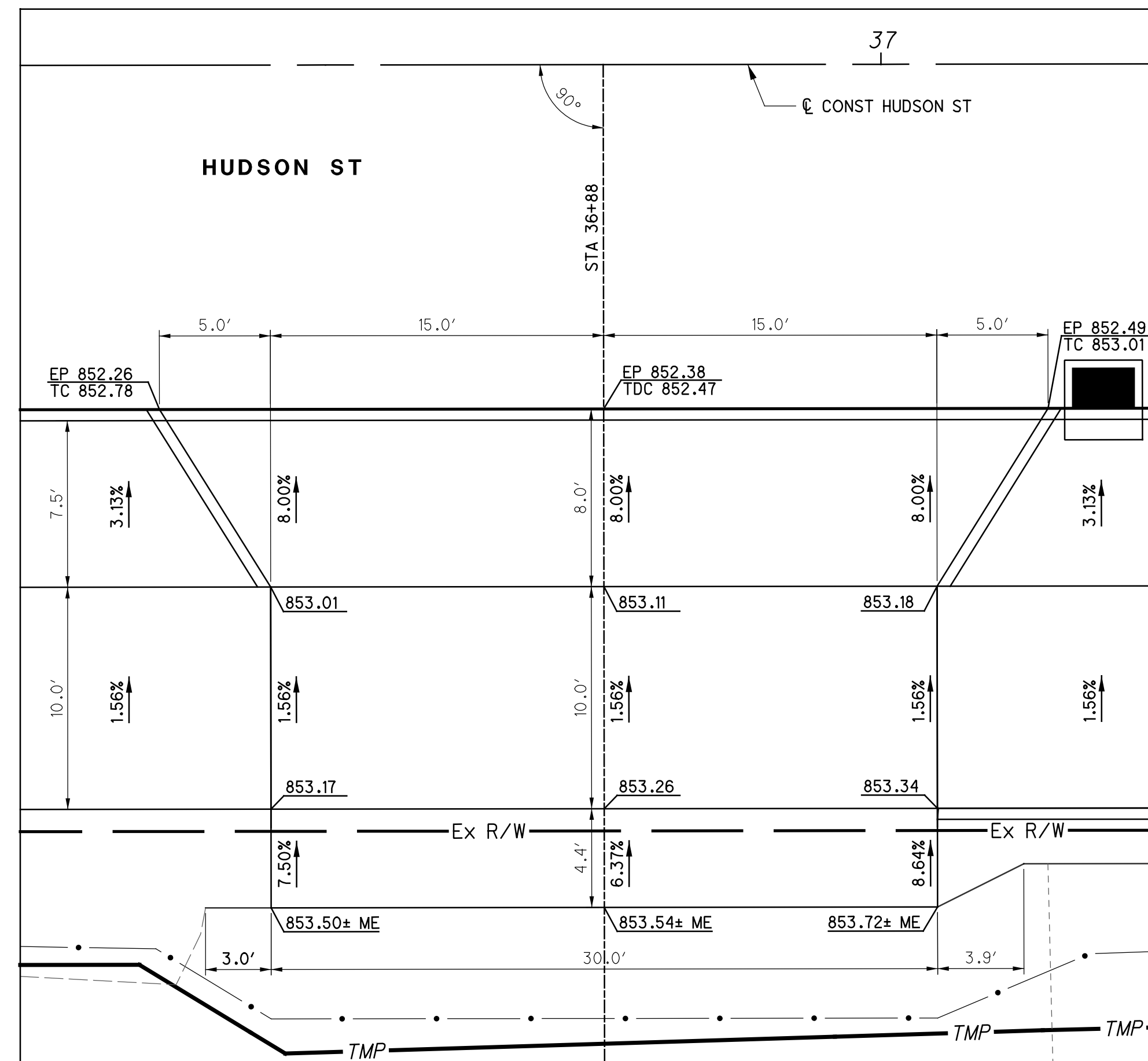
DRIVE DETAIL AT HUDSON ST STA 34+70 LT



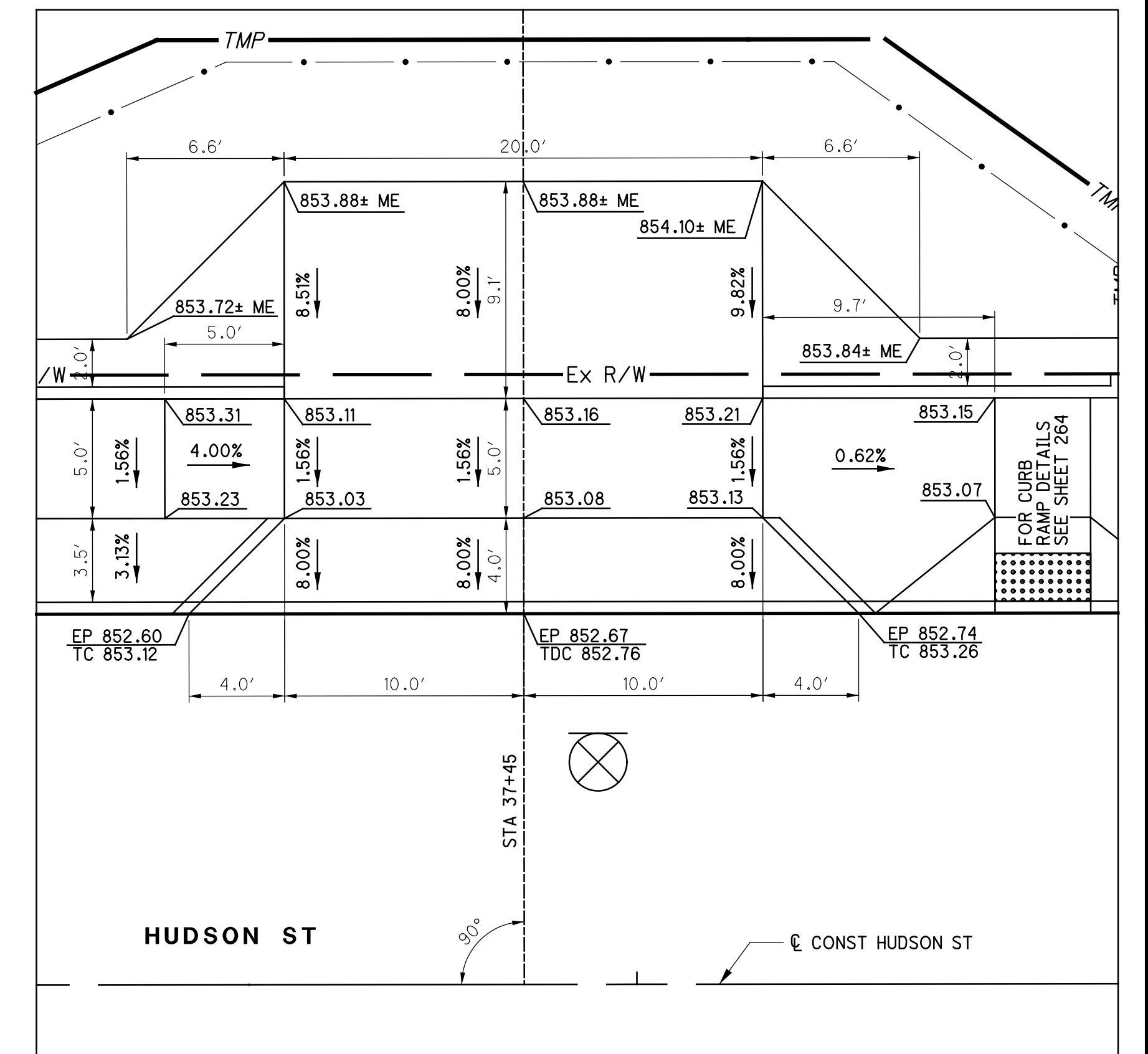
DRIVE DETAIL AT HUDSON ST STA 35+74 RT



DRIVE DETAIL AT HUDSON ST STA 36+43 LT

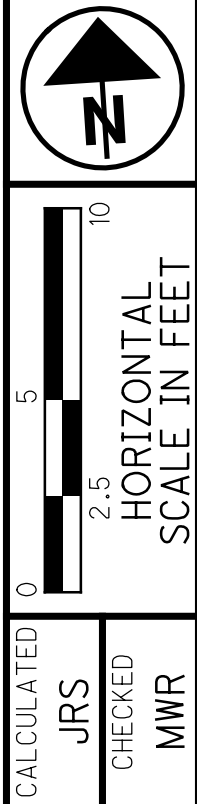


DRIVE DETAIL AT HUDSON ST STA 36+88 RT



DRIVE DETAIL AT HUDSON ST STA 37+45 LT

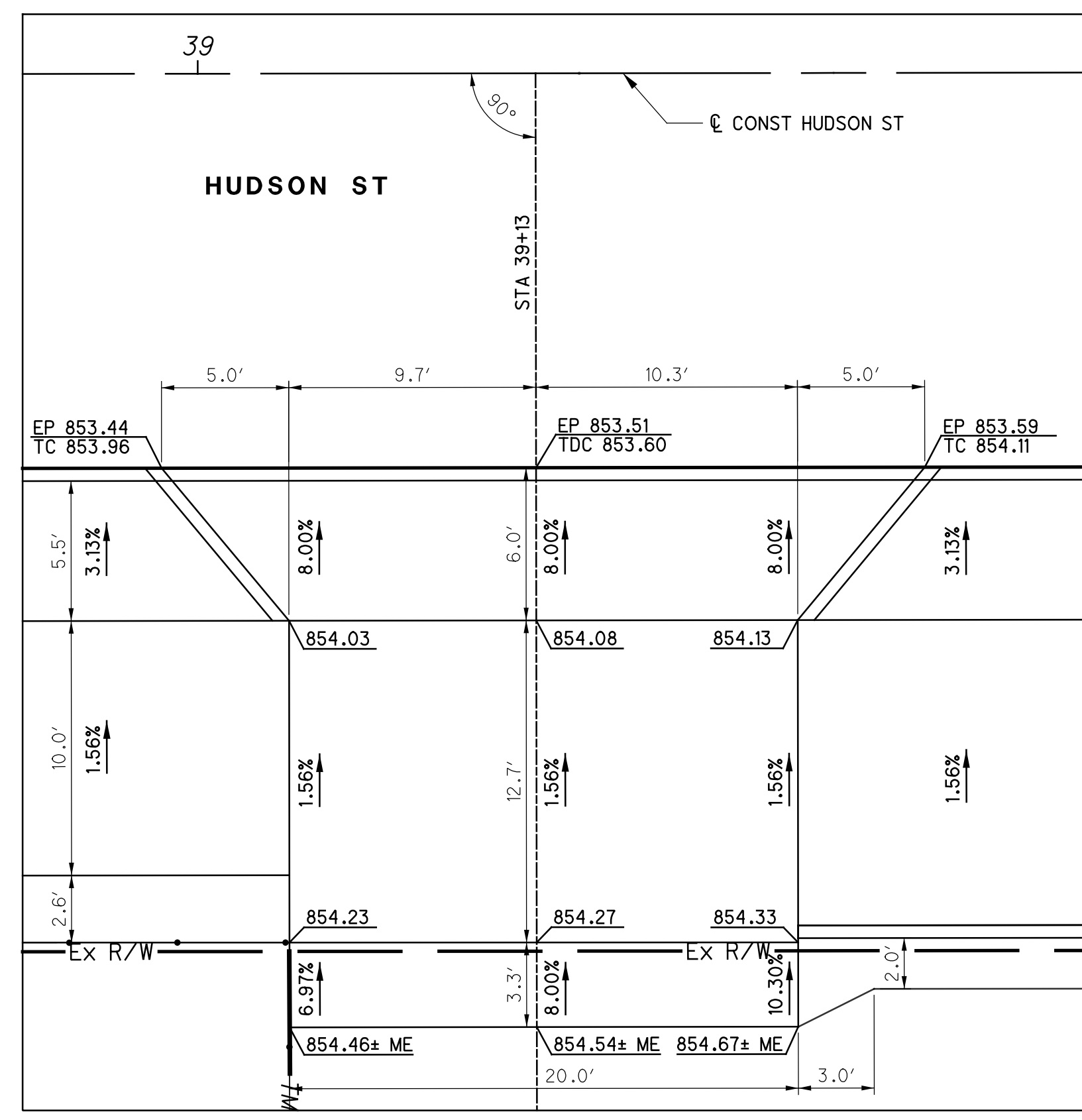
LEGEND  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING



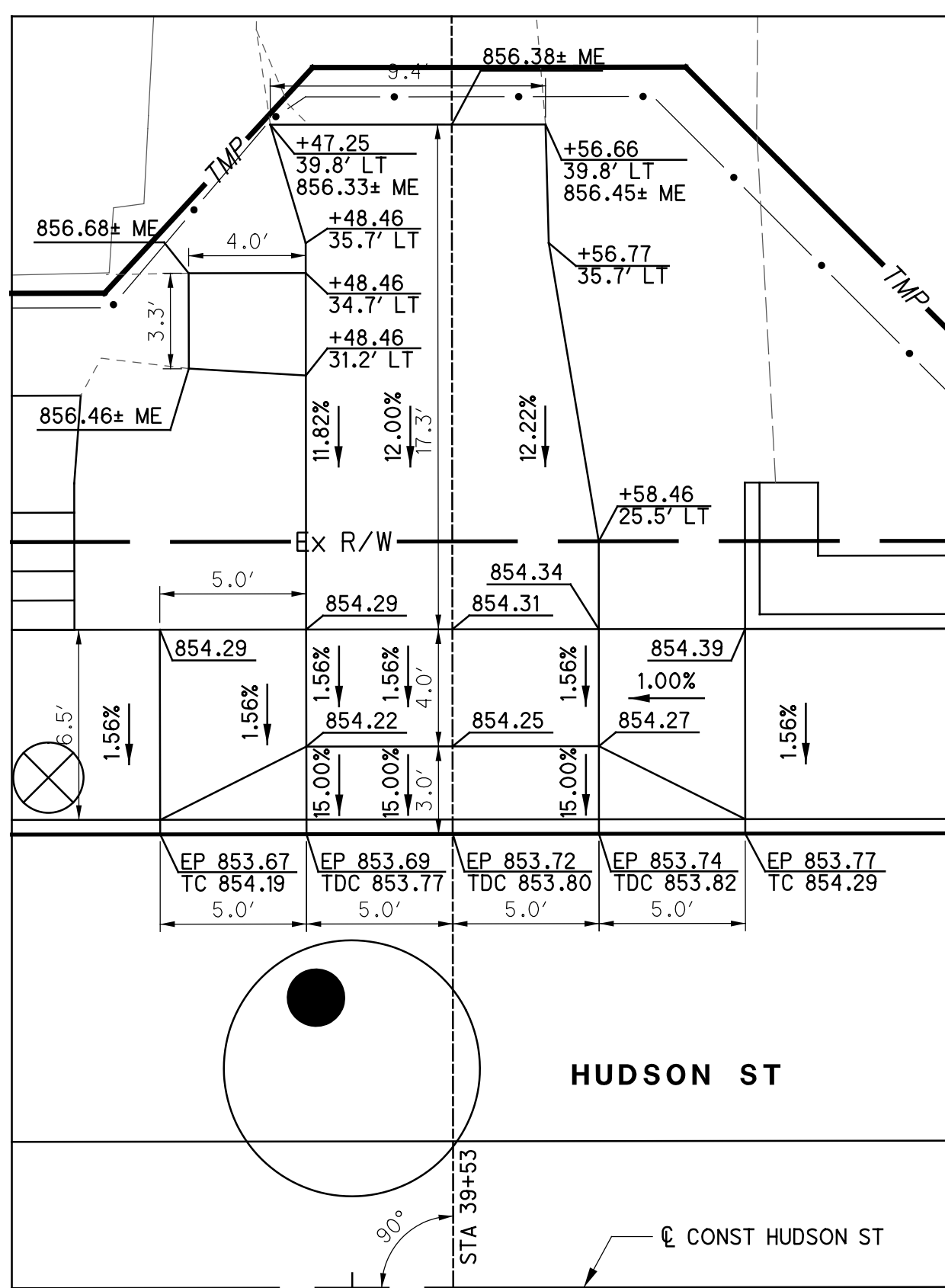
DRIVE DETAILS  
 HUDSON ST

HUDSON ST

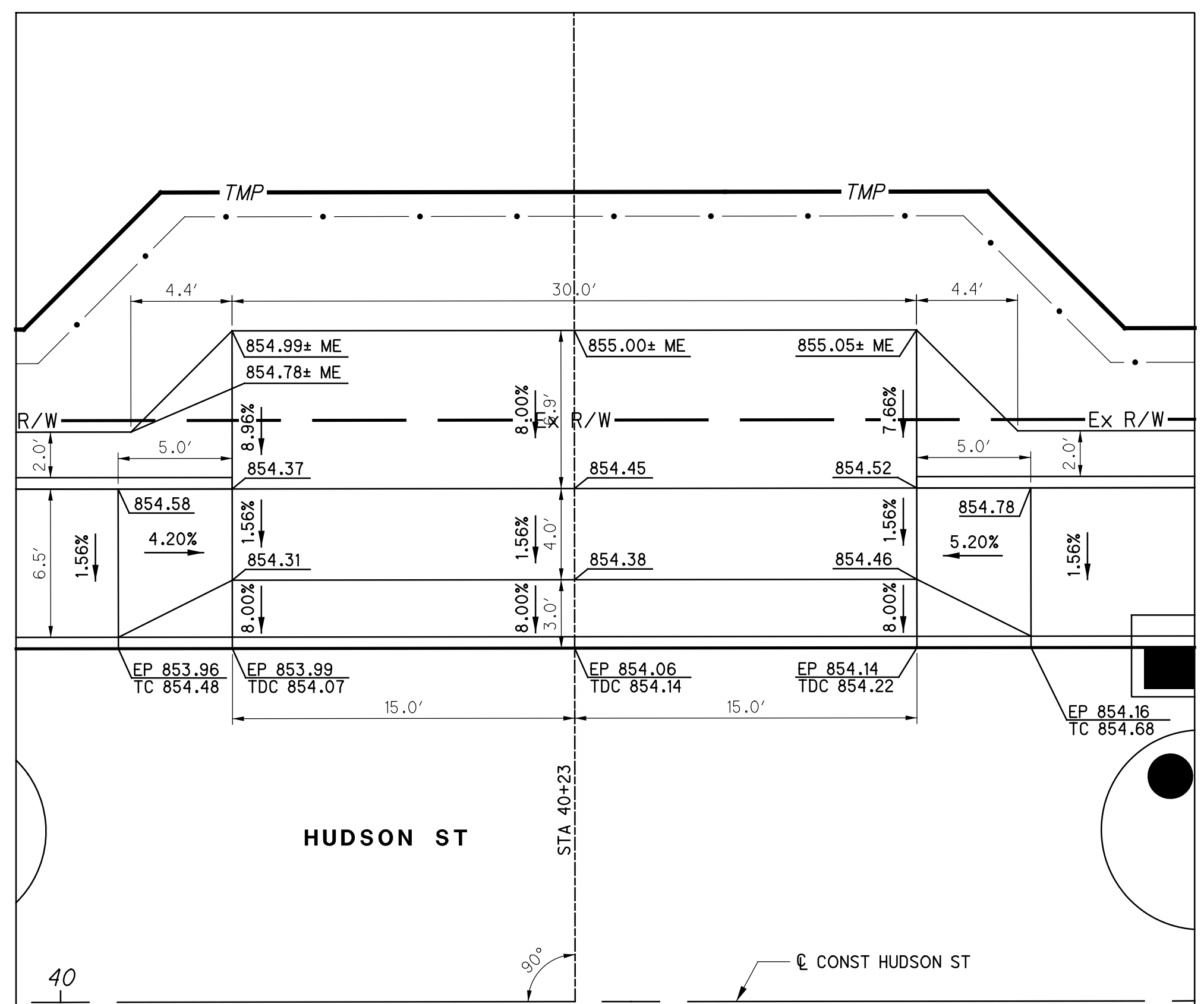
2.5'  
HORIZONTAL SCALE IN FEET



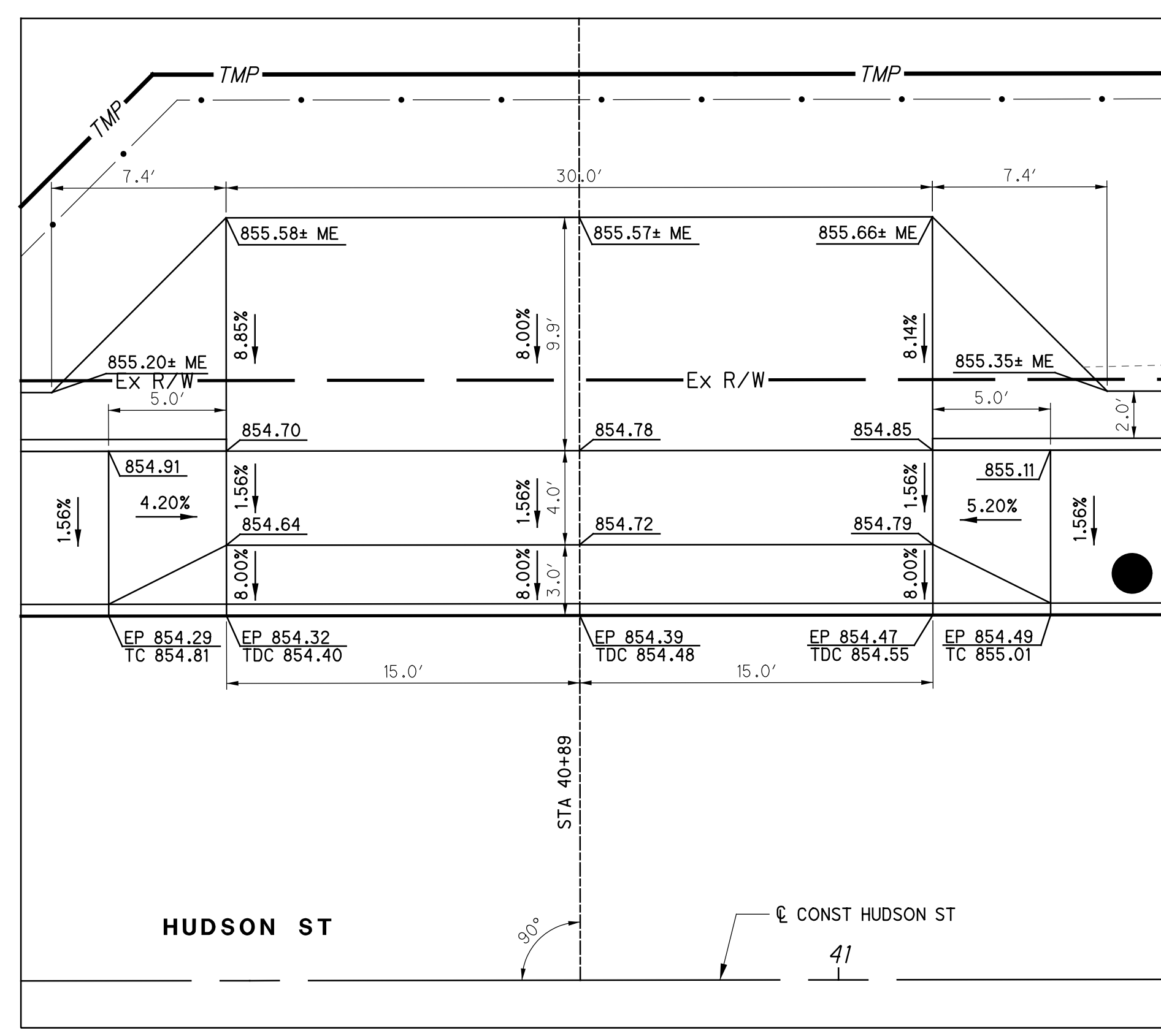
DRIVE DETAIL AT HUDSON ST STA 39+13 RT



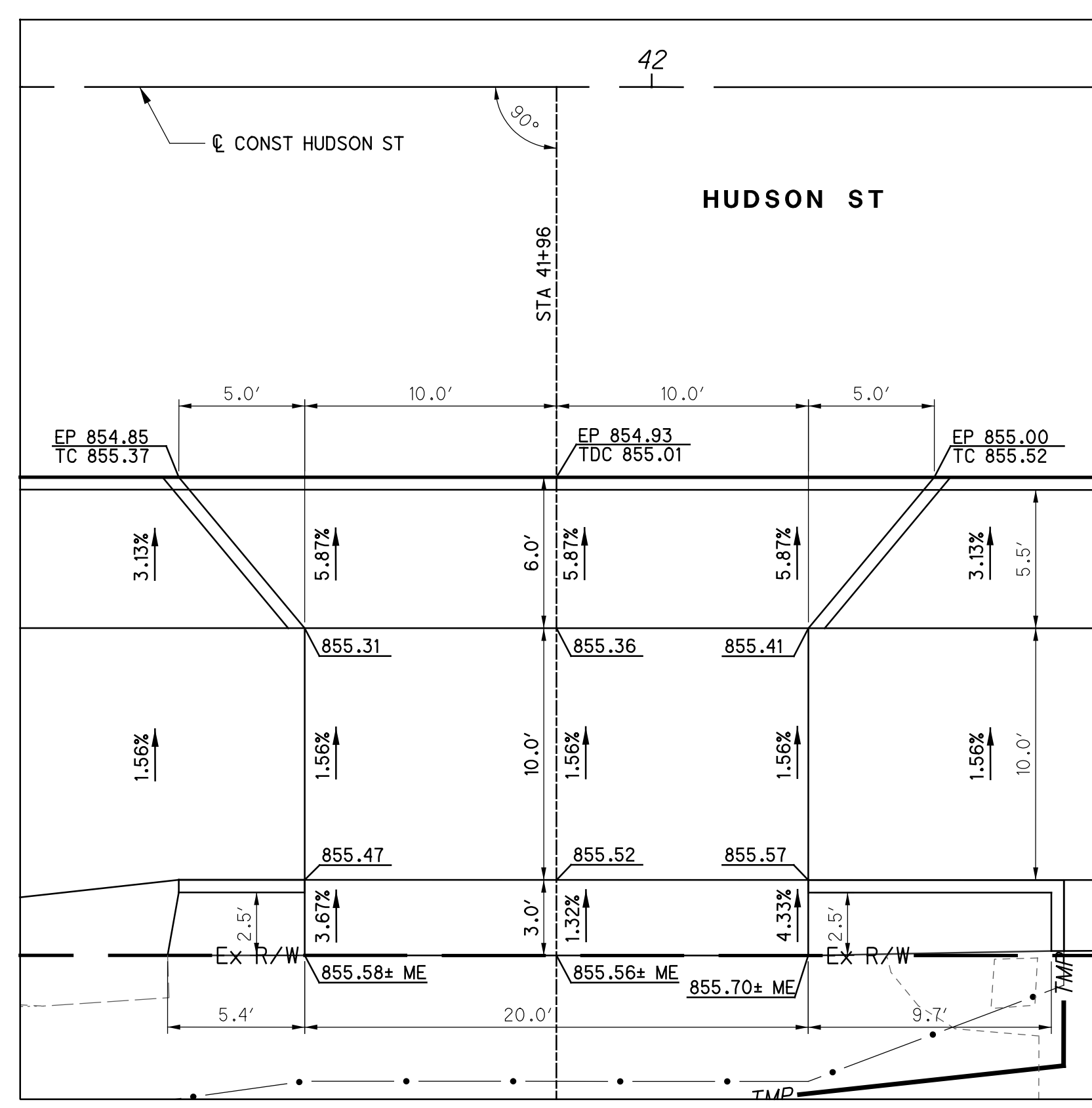
DRIVE DETAIL AT HUDSON ST STA 39+53 LT



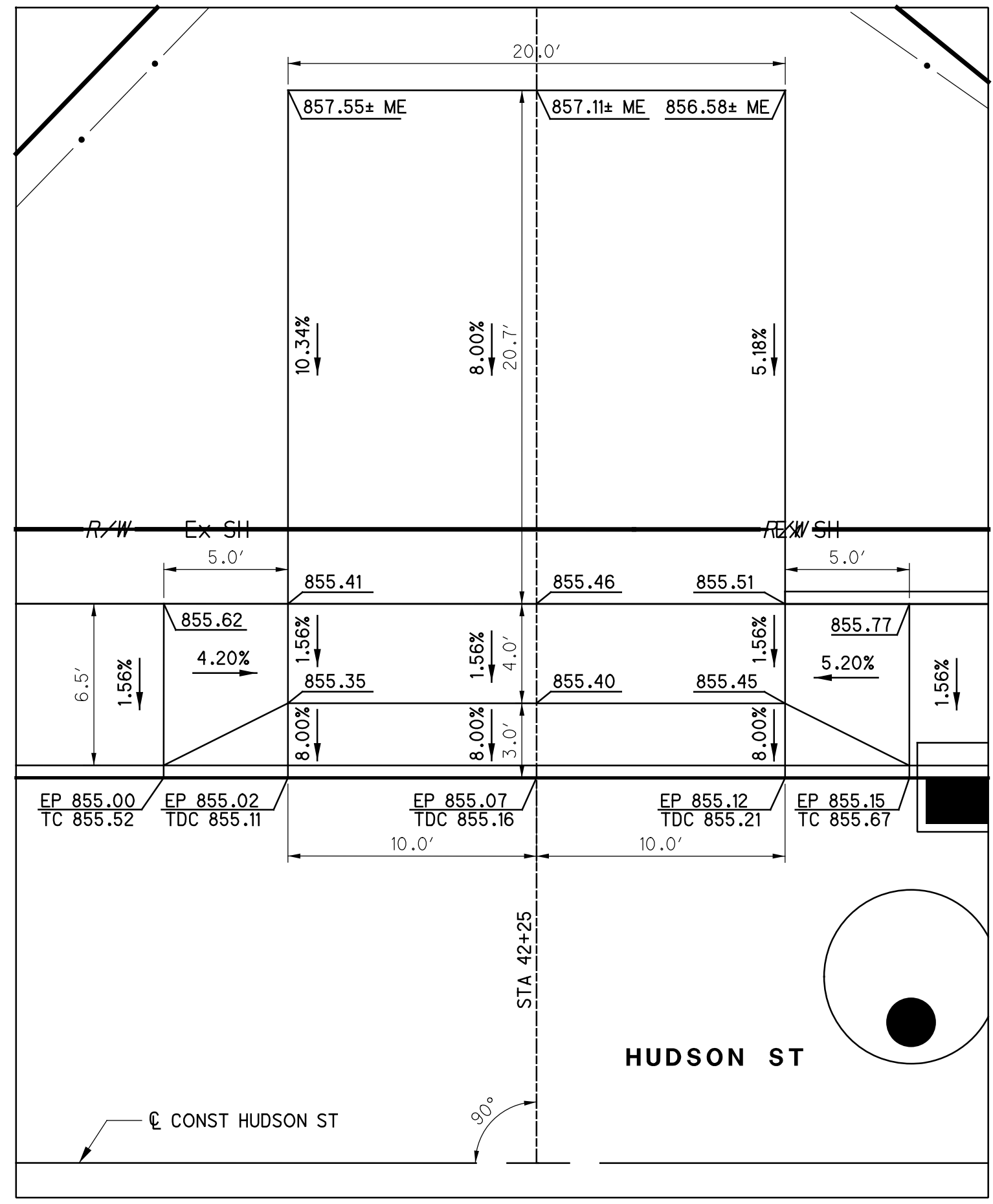
DRIVE DETAIL AT HUDSON ST STA 40+23 LT



DRIVE DETAIL AT HUDSON ST STA 40+89 LT



DRIVE DETAIL AT HUDSON ST STA 41+96 RT



DRIVE DETAIL AT HUDSON ST STA 42+25 LT

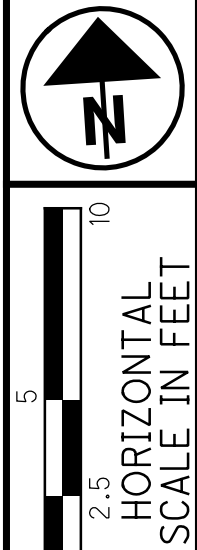
**LEGEND**  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

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CALCULATED JRS CHECKED MWR  
**DRIVE DETAILS HUDSON ST**

**HUDSON ST**  
  
**3575-E**

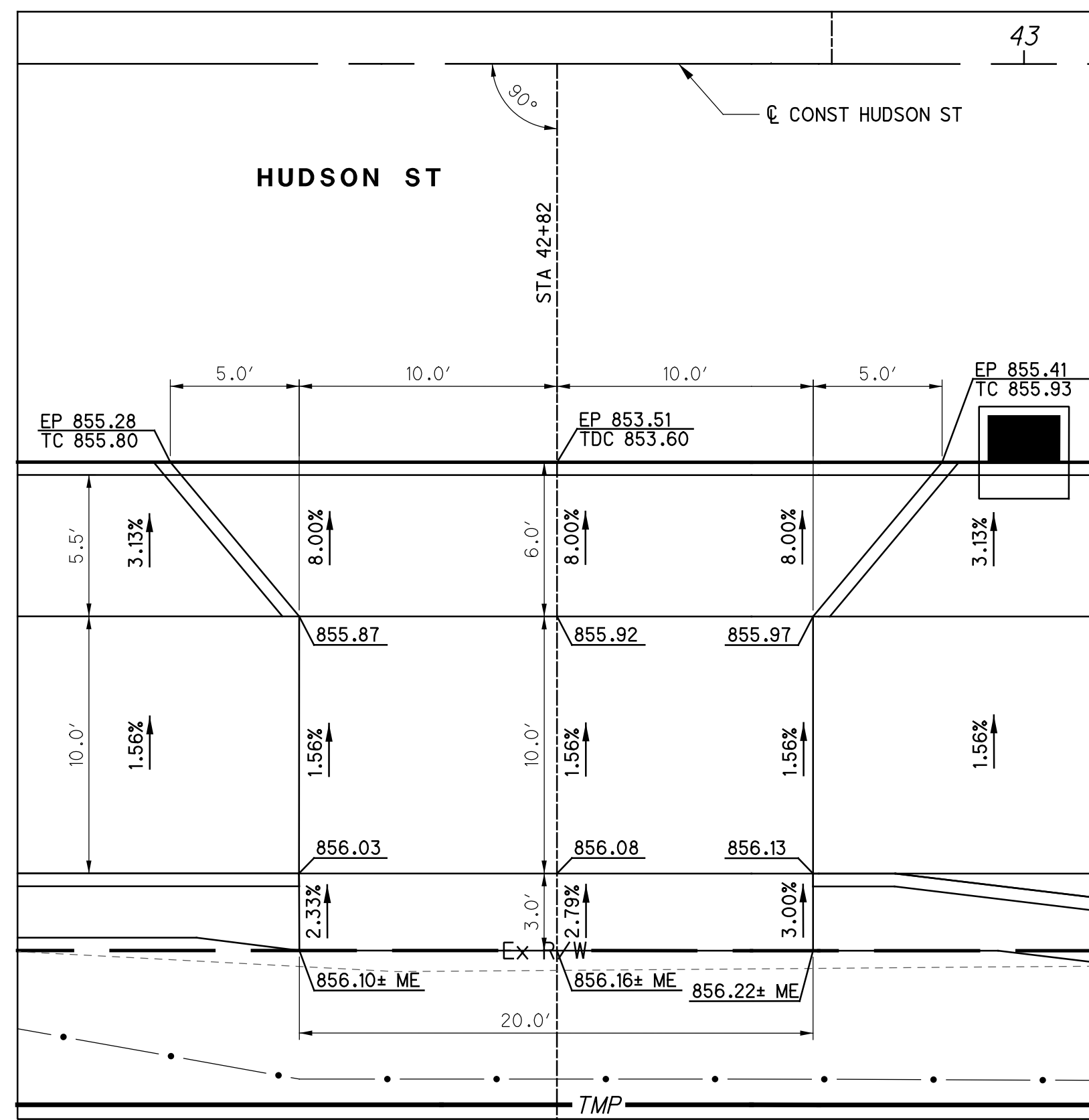
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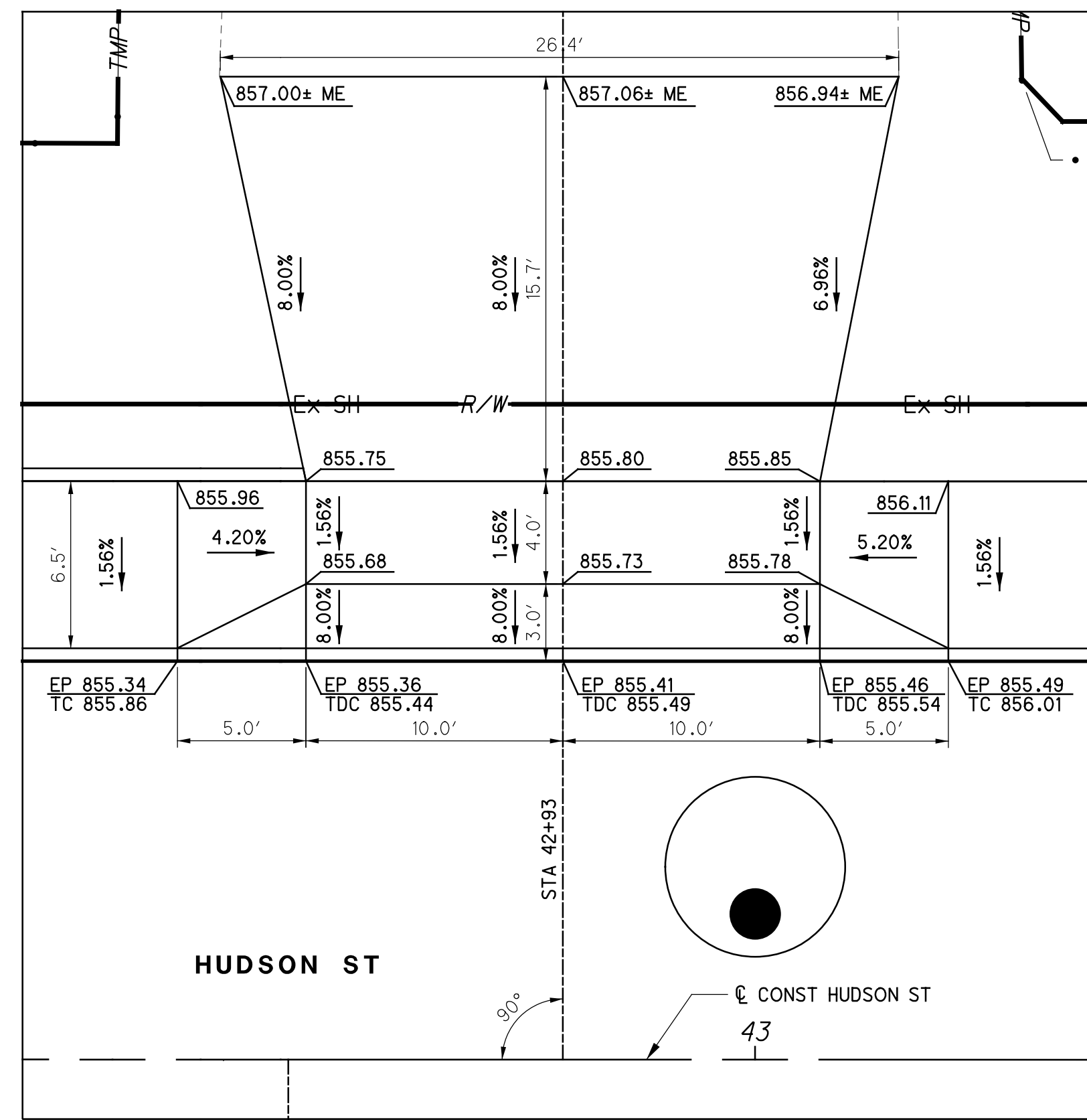
CALCULATED JRS  
 CHECKED MWR

**DRIVE DETAILS  
HUDSON ST**

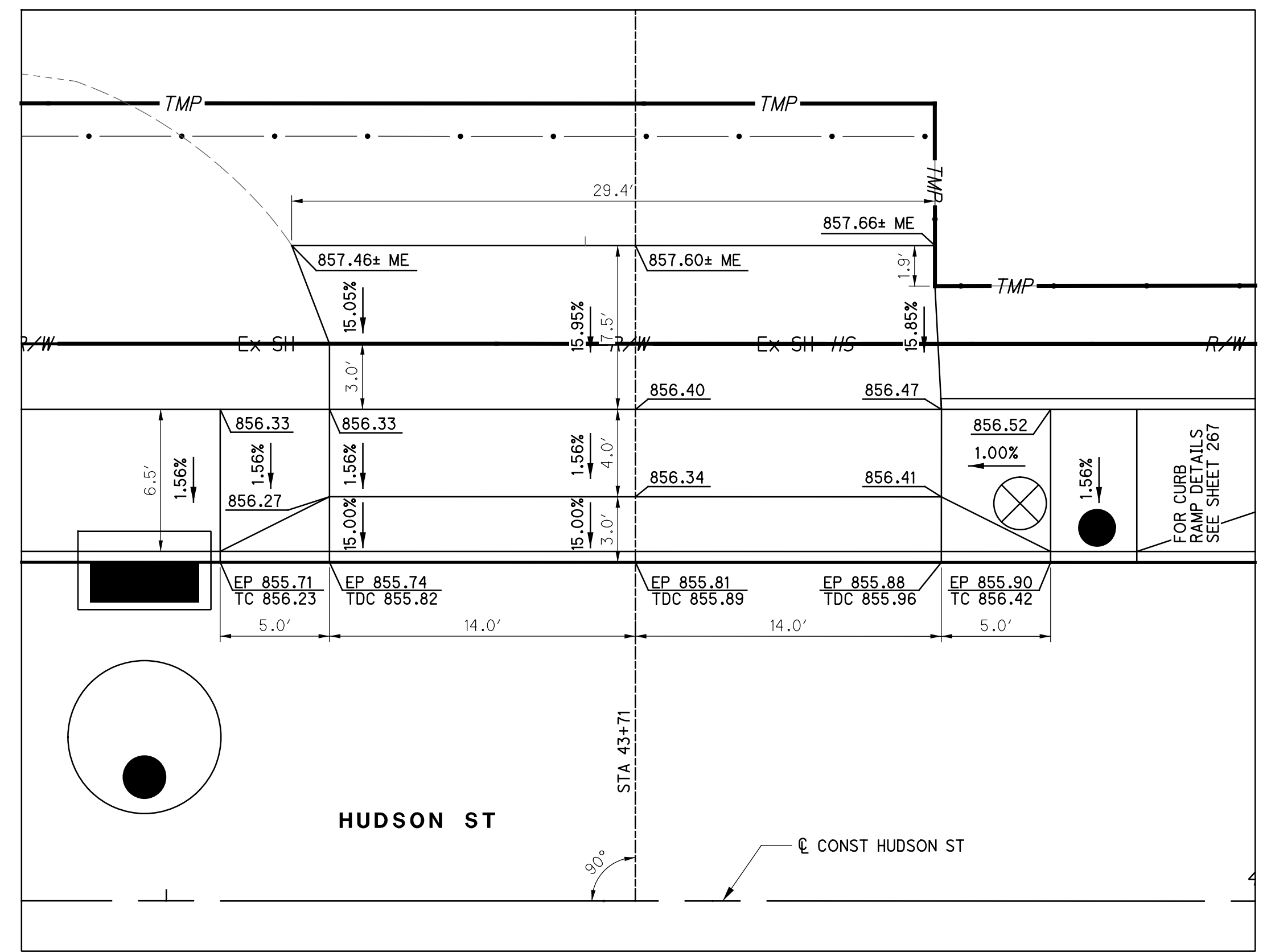
**HUDSON ST**



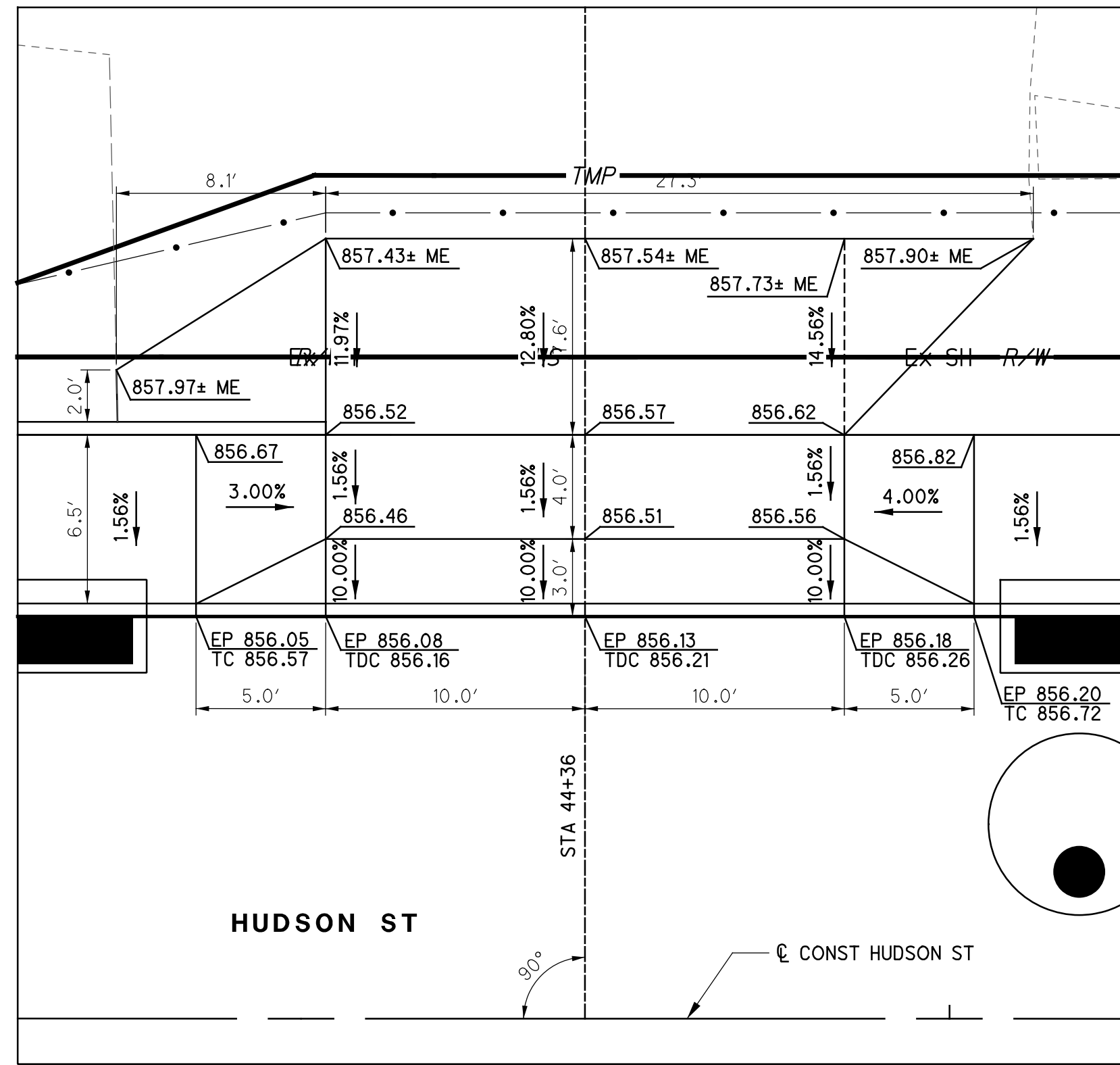
DRIVE DETAIL AT HUDSON ST STA 42+82 RT



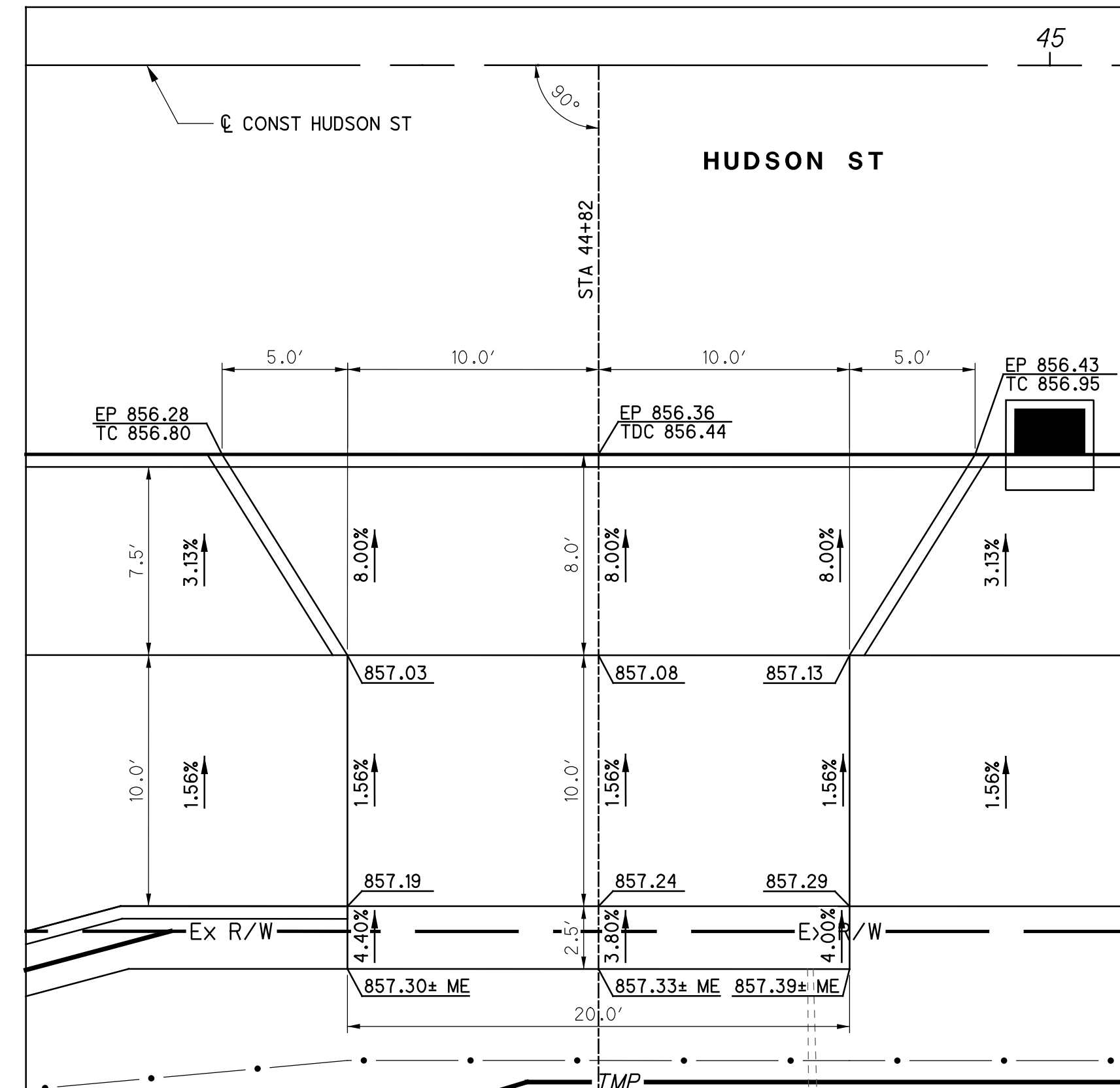
DRIVE DETAIL AT HUDSON ST STA 42+93 LT



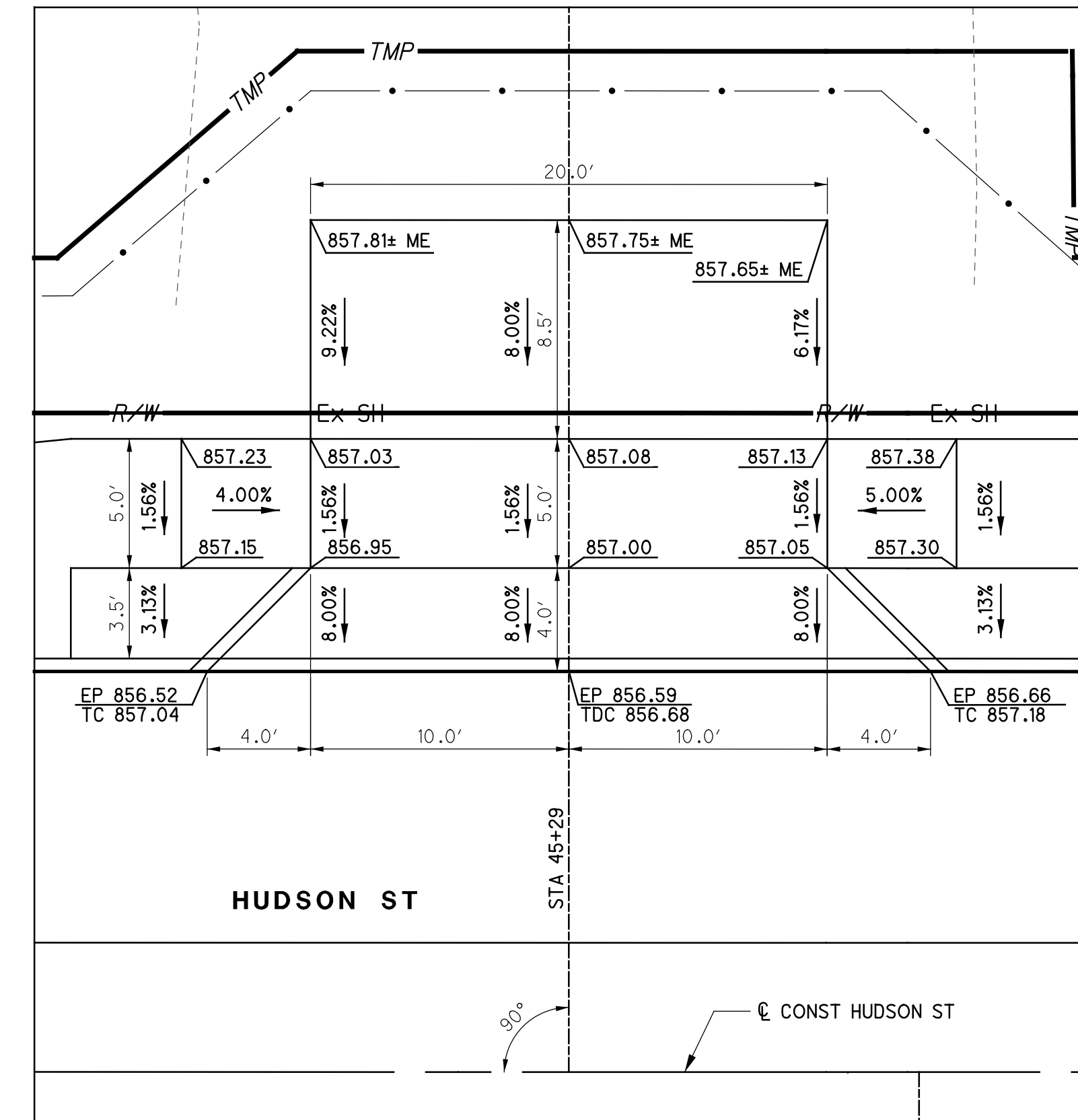
DRIVE DETAIL AT HUDSON ST STA 43+71 LT



DRIVE DETAIL AT HUDSON ST STA 44+36 LT



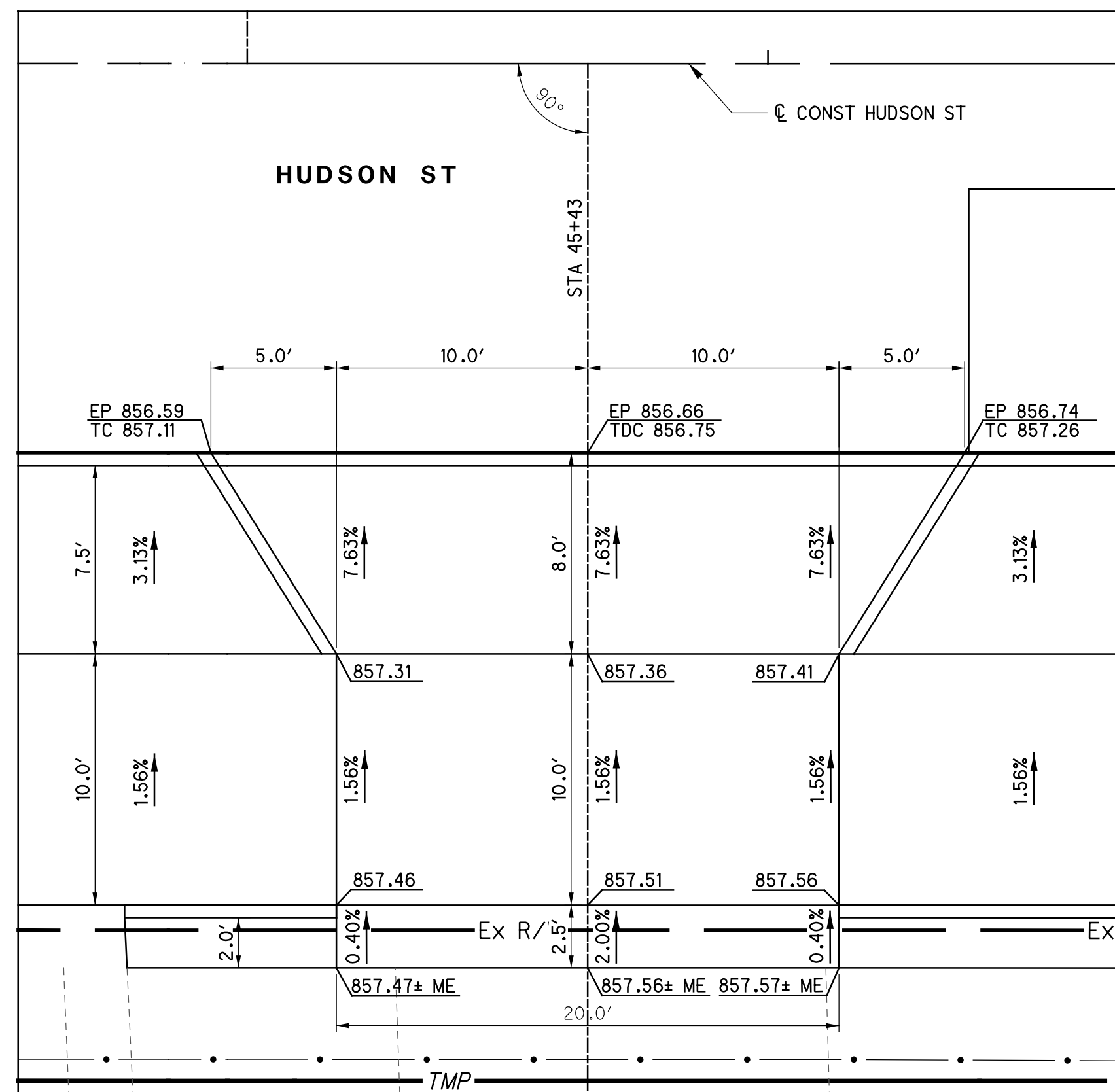
DRIVE DETAIL AT HUDSON ST STA 44+82 RT



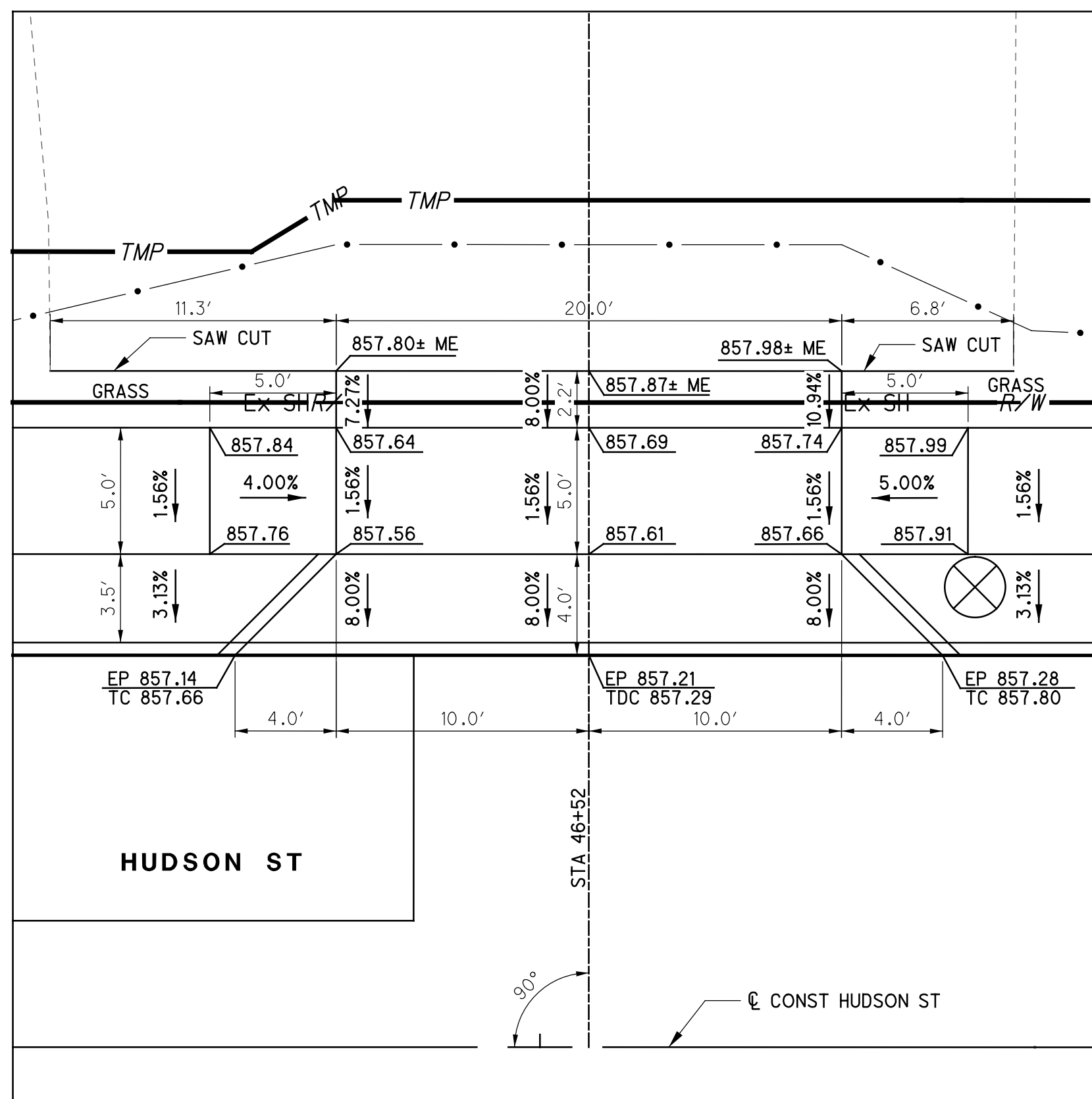
DRIVE DETAIL AT HUDSON ST STA 45+29 LT

**LEGEND**  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

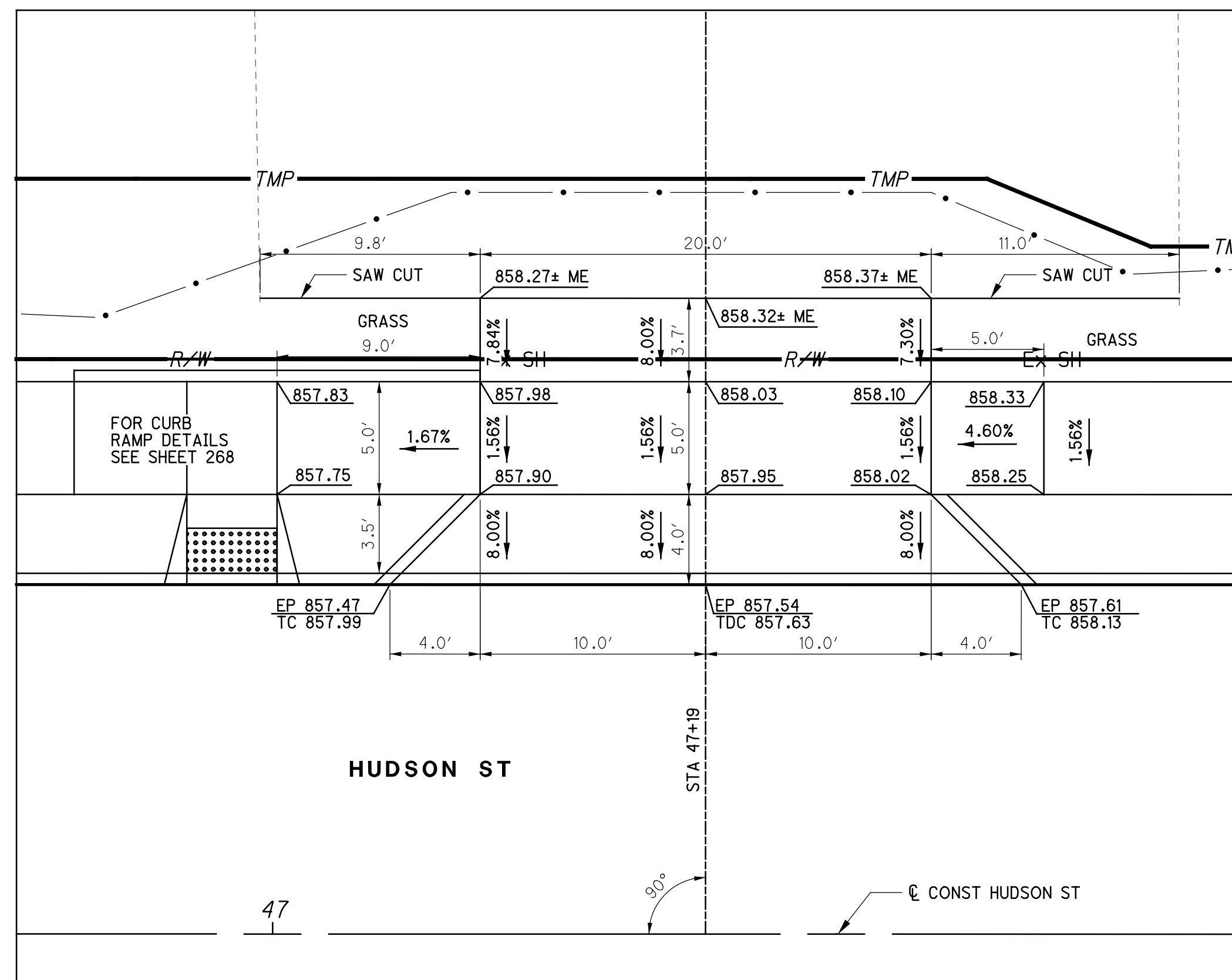




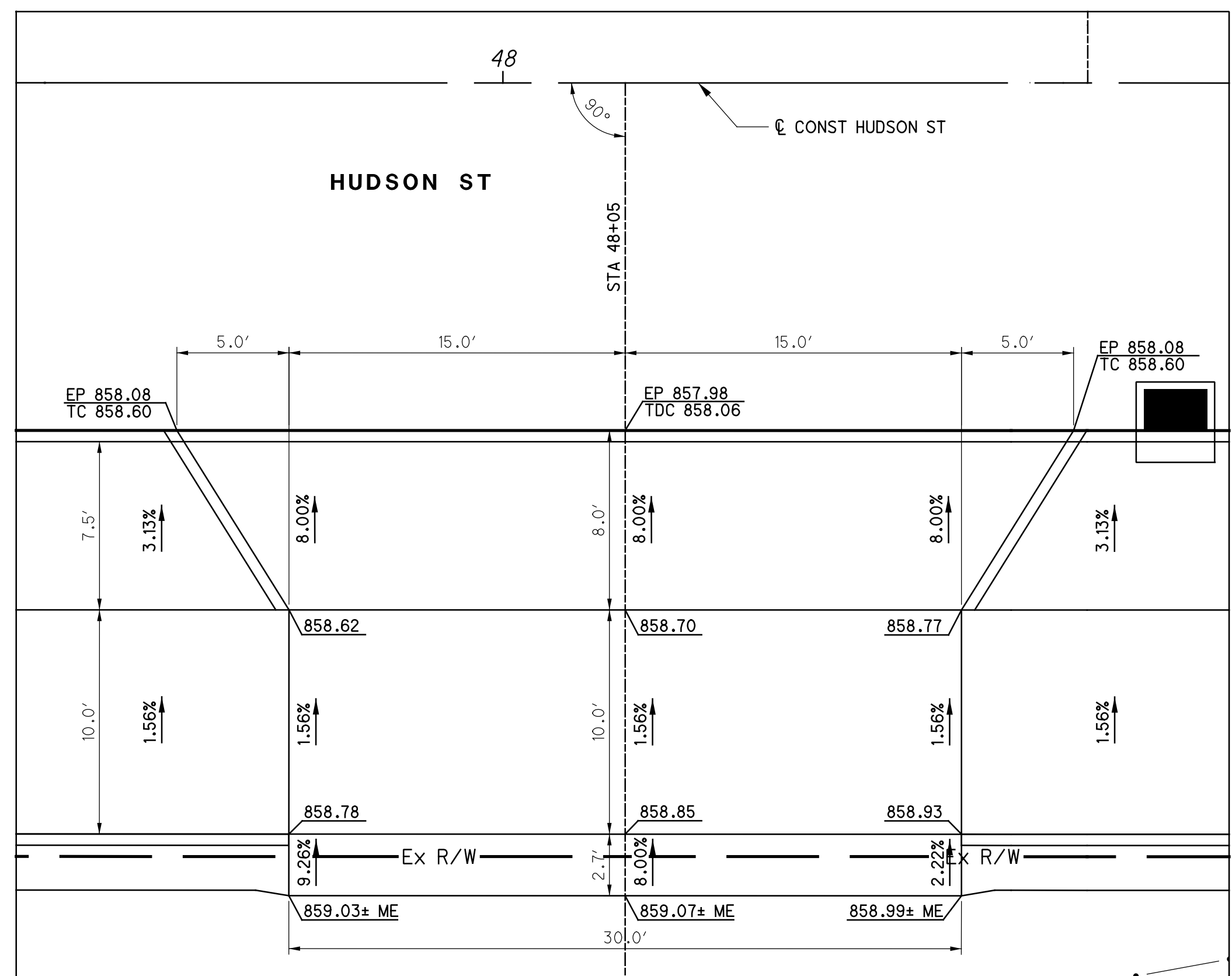
DRIVE DETAIL AT HUDSON ST STA 45+43 RT



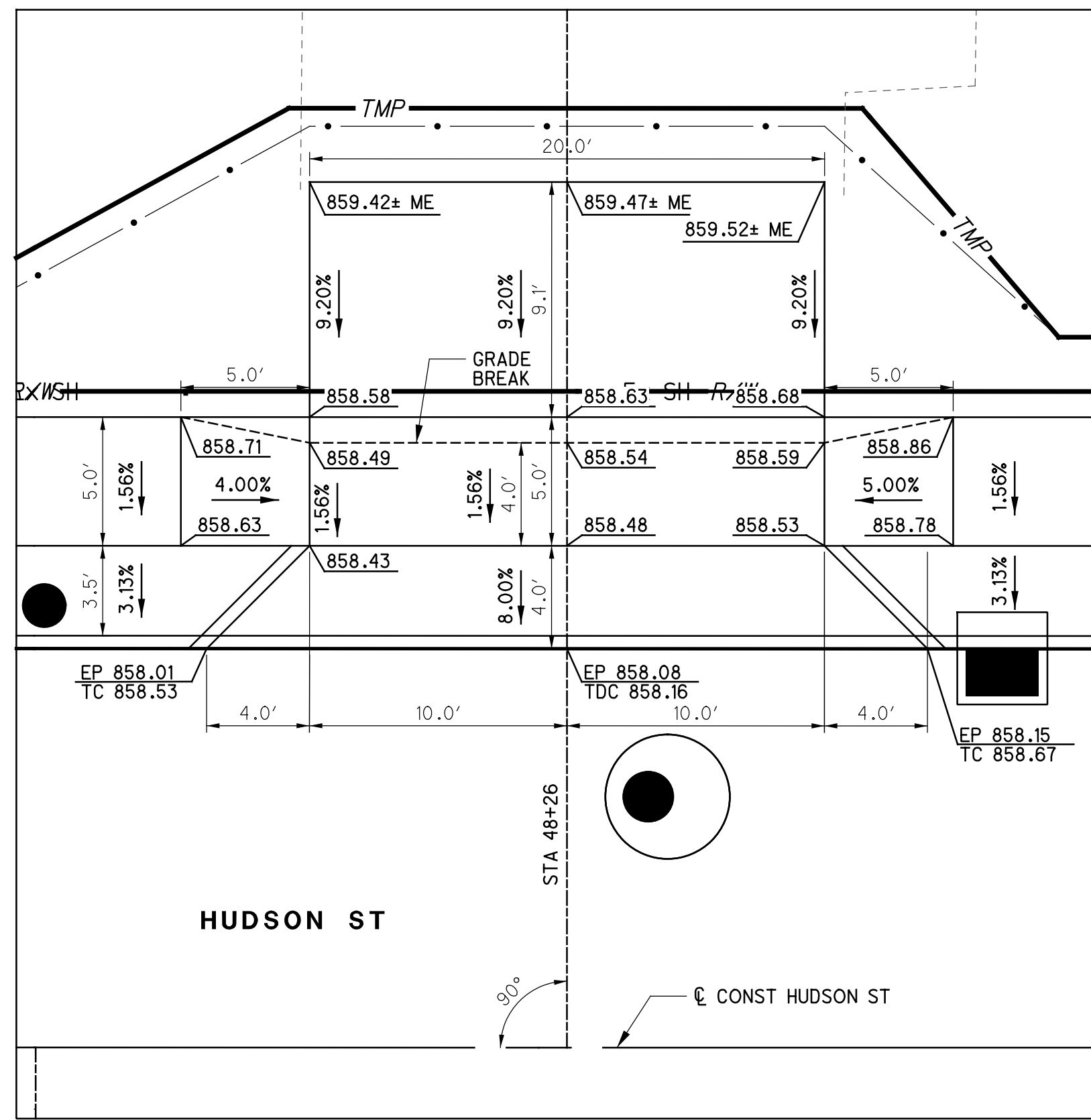
DRIVE DETAIL AT HUDSON ST STA 46+52 LT



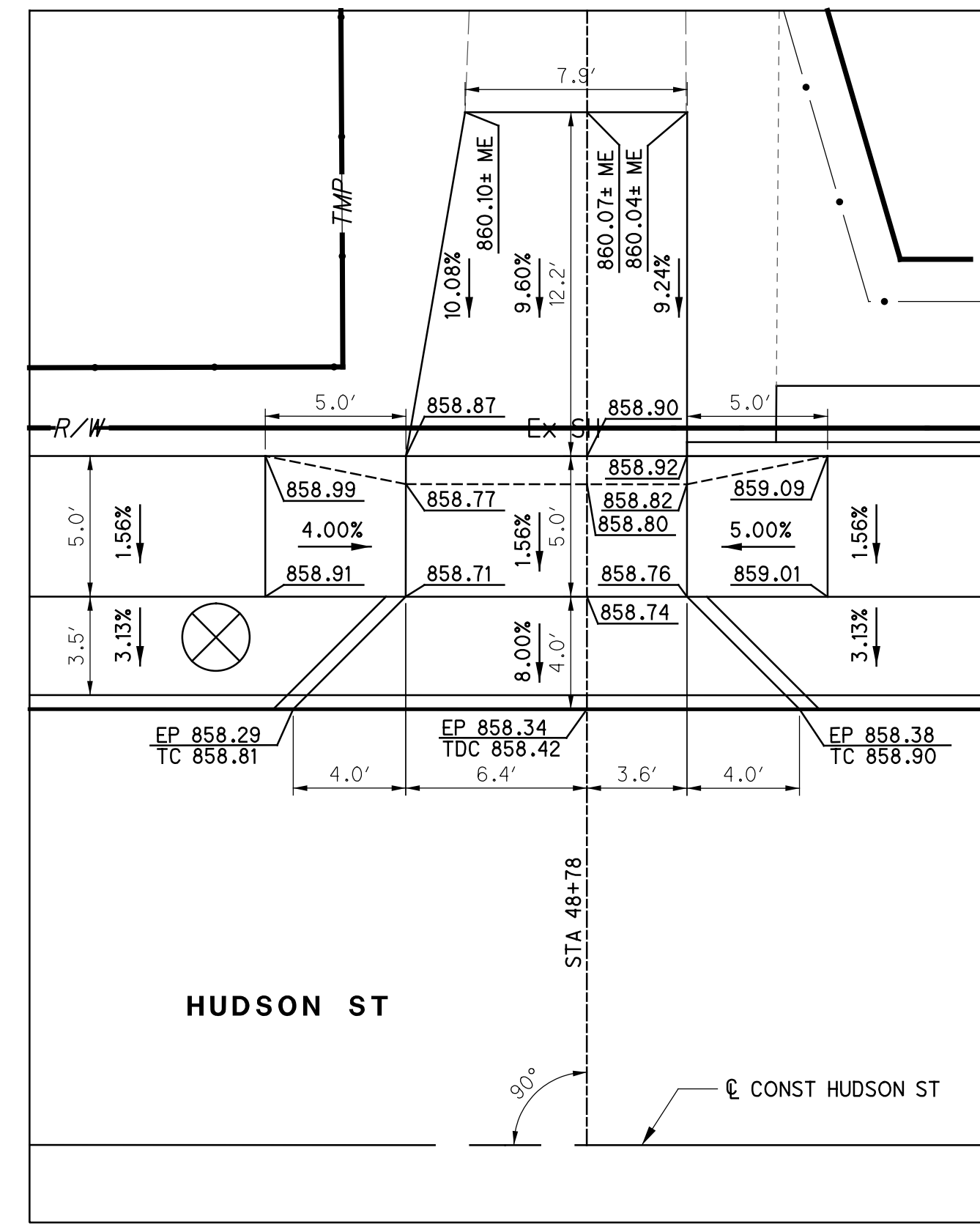
DRIVE DETAIL AT HUDSON ST STA 47+19 LT



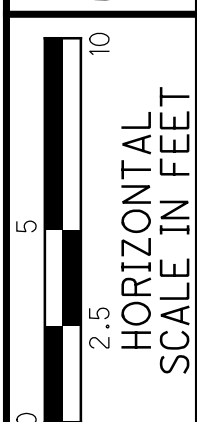
DRIVE DETAIL AT HUDSON ST STA 48+05 RT



DRIVE DETAIL AT HUDSON ST STA 48+26 LT



DRIVE DETAIL AT HUDSON ST STA 48+78 LT



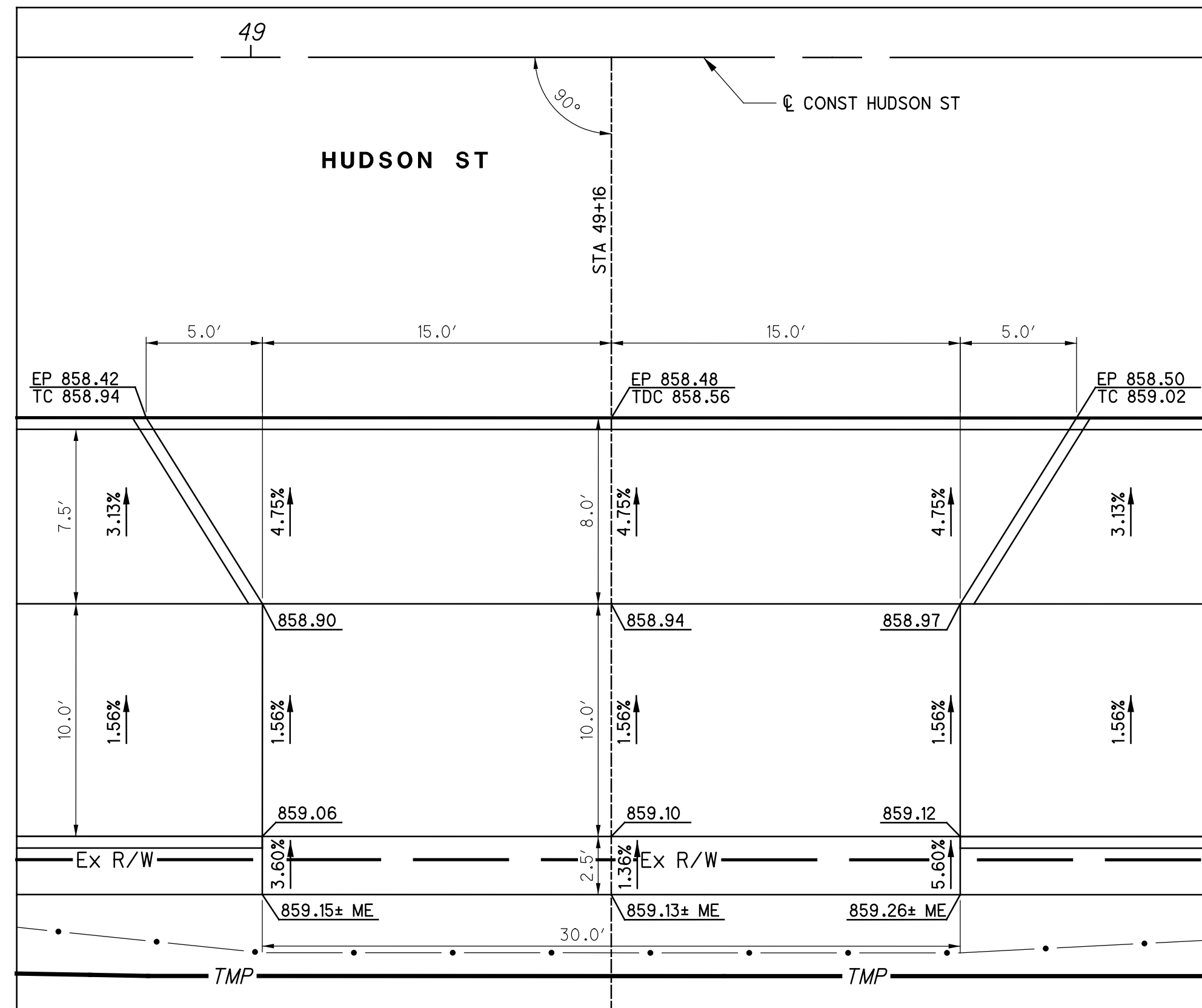
CALCULATED JRS  
 CHECKED MWR

**DRIVE DETAILS  
HUDSON ST**

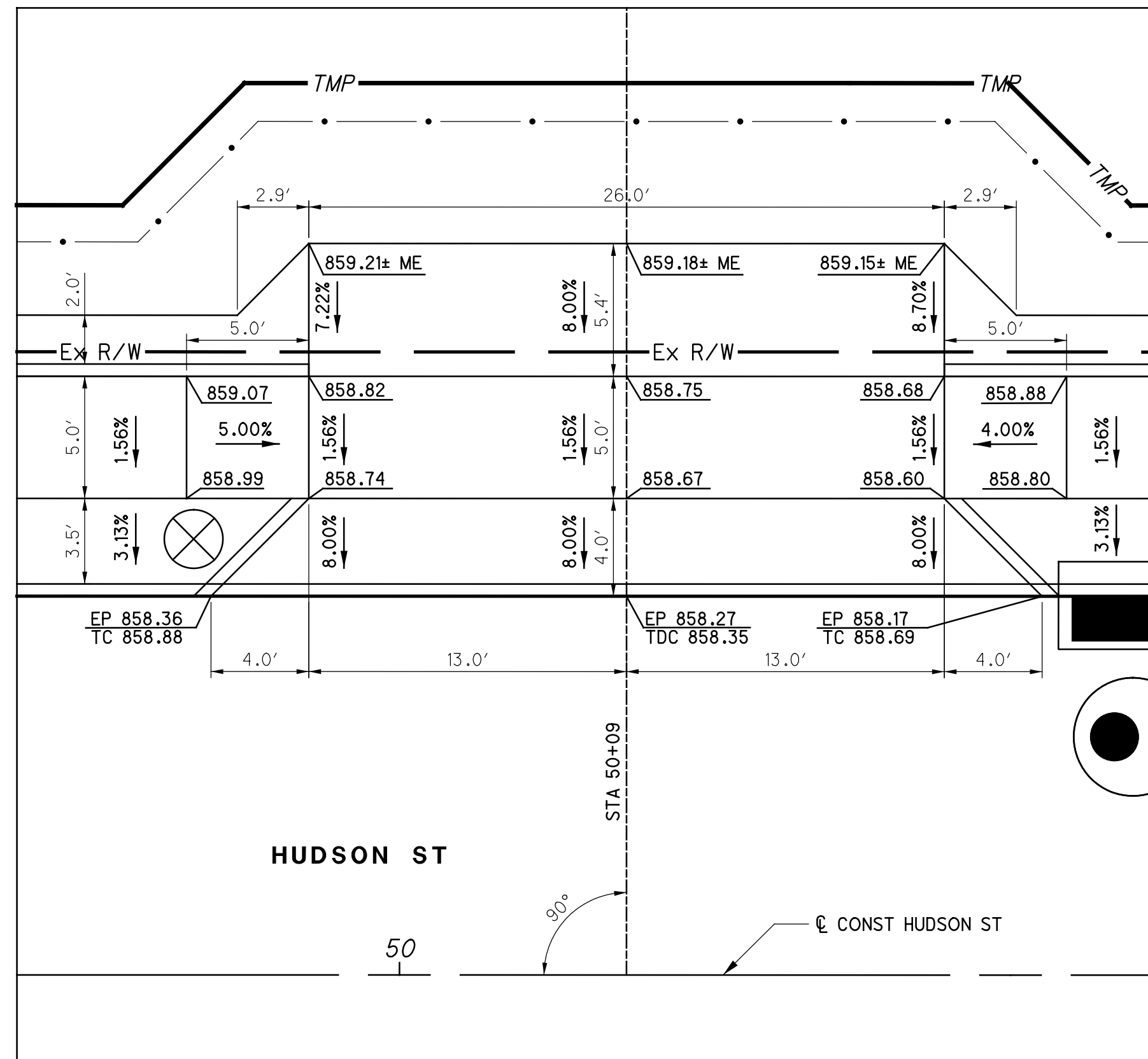
**HUDSON ST**

**LEGEND**  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

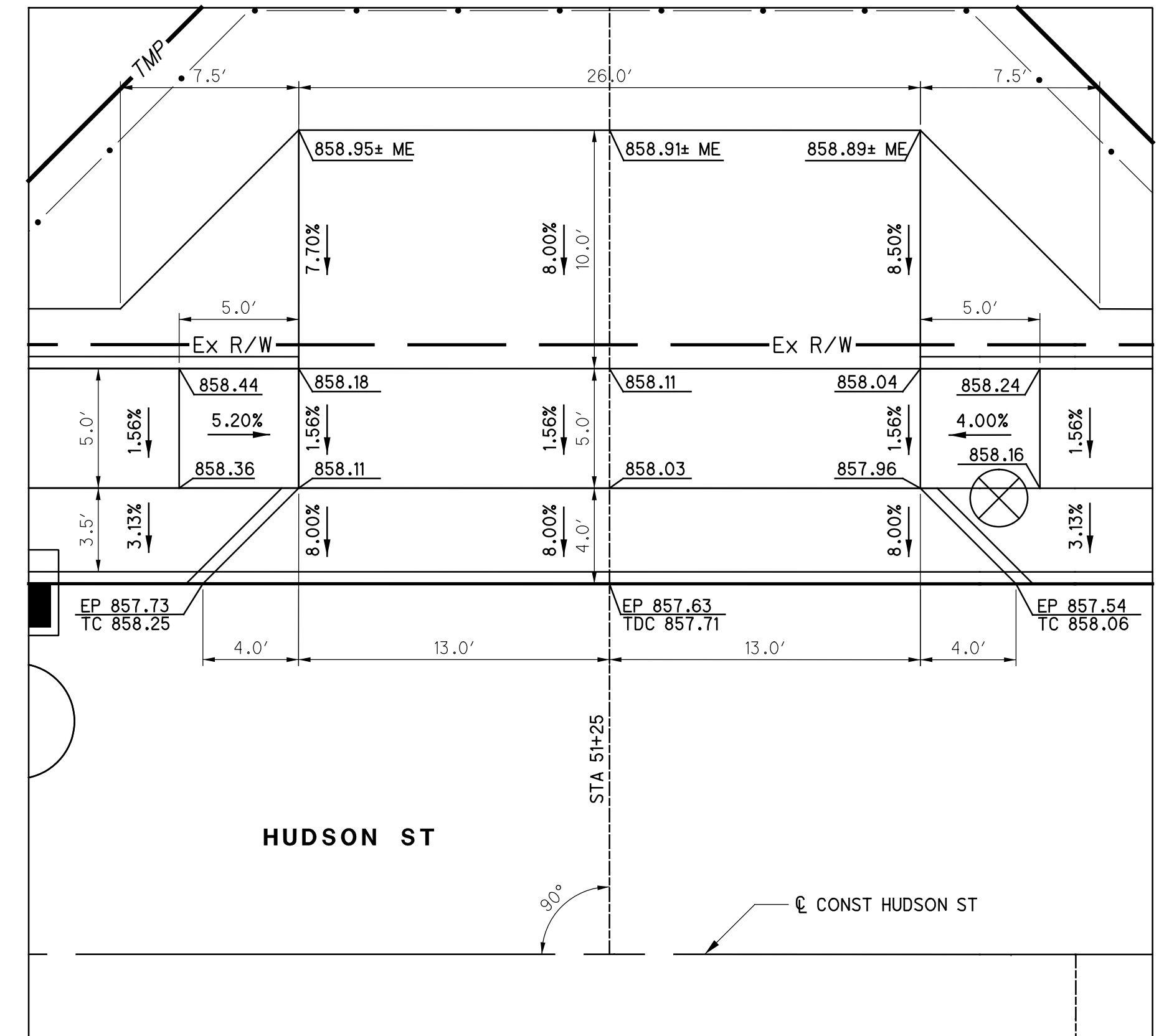
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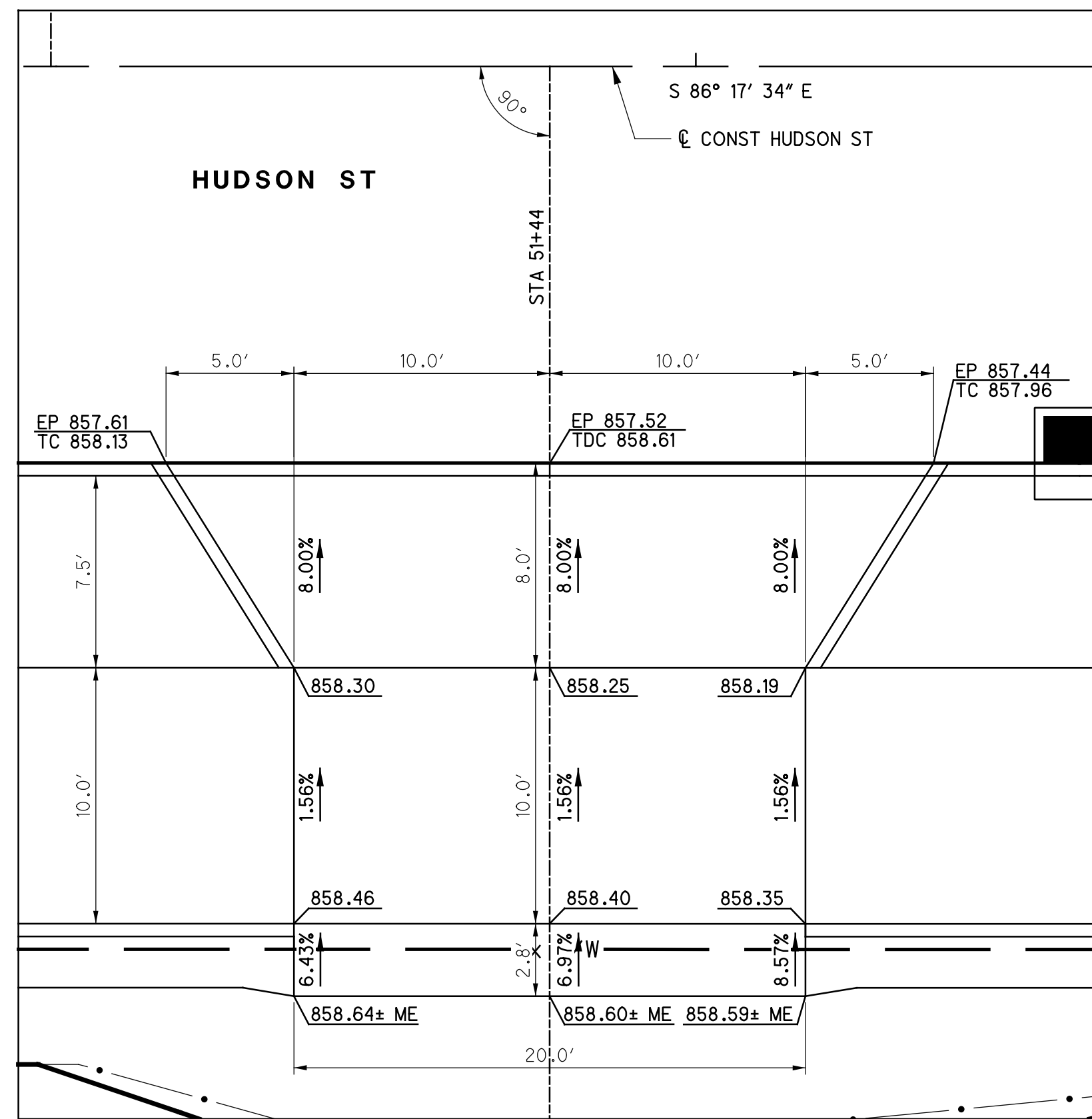
DRIVE DETAIL AT HUDSON ST STA 49+16 RT



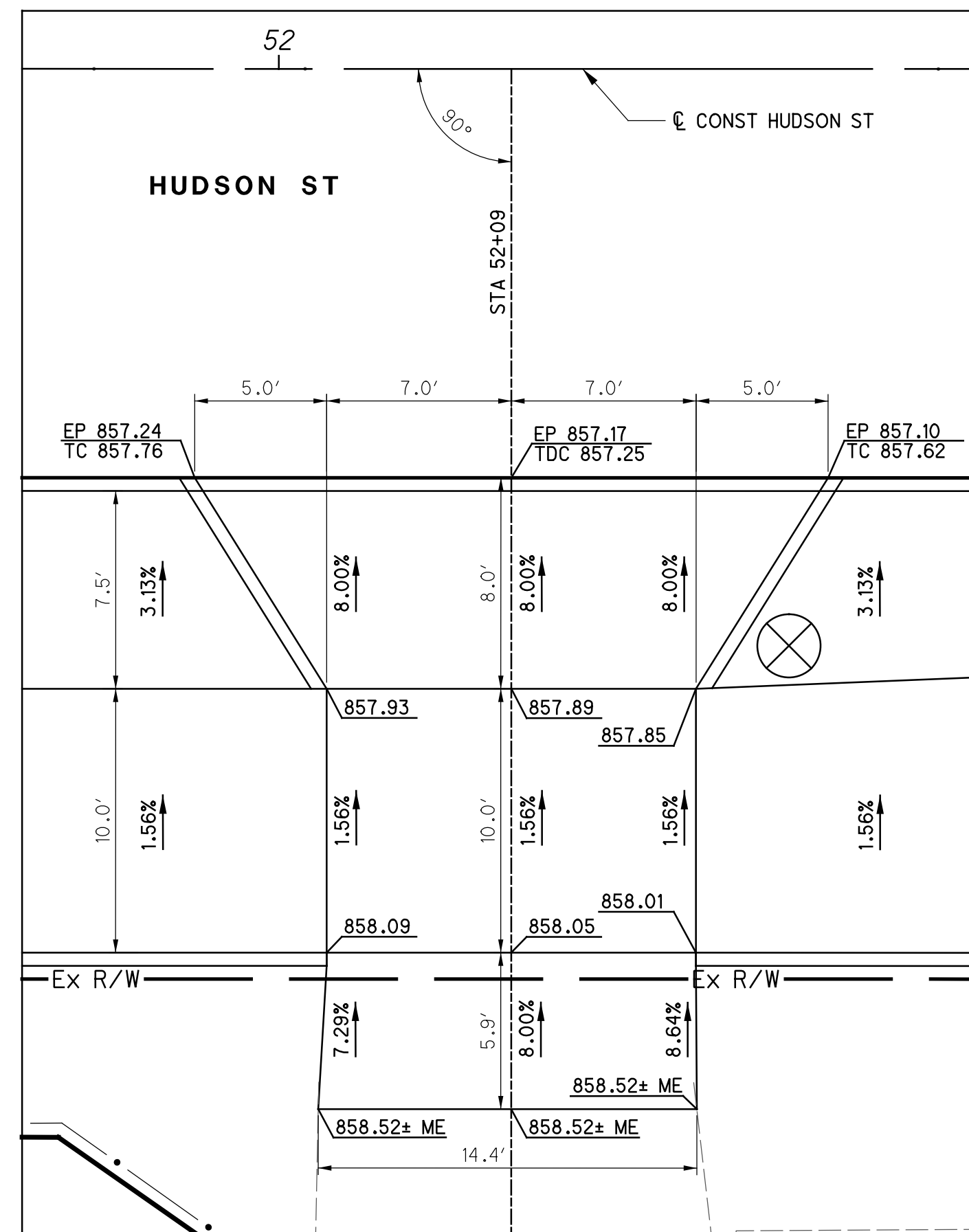
DRIVE DETAIL AT HUDSON ST STA 50+09 LT



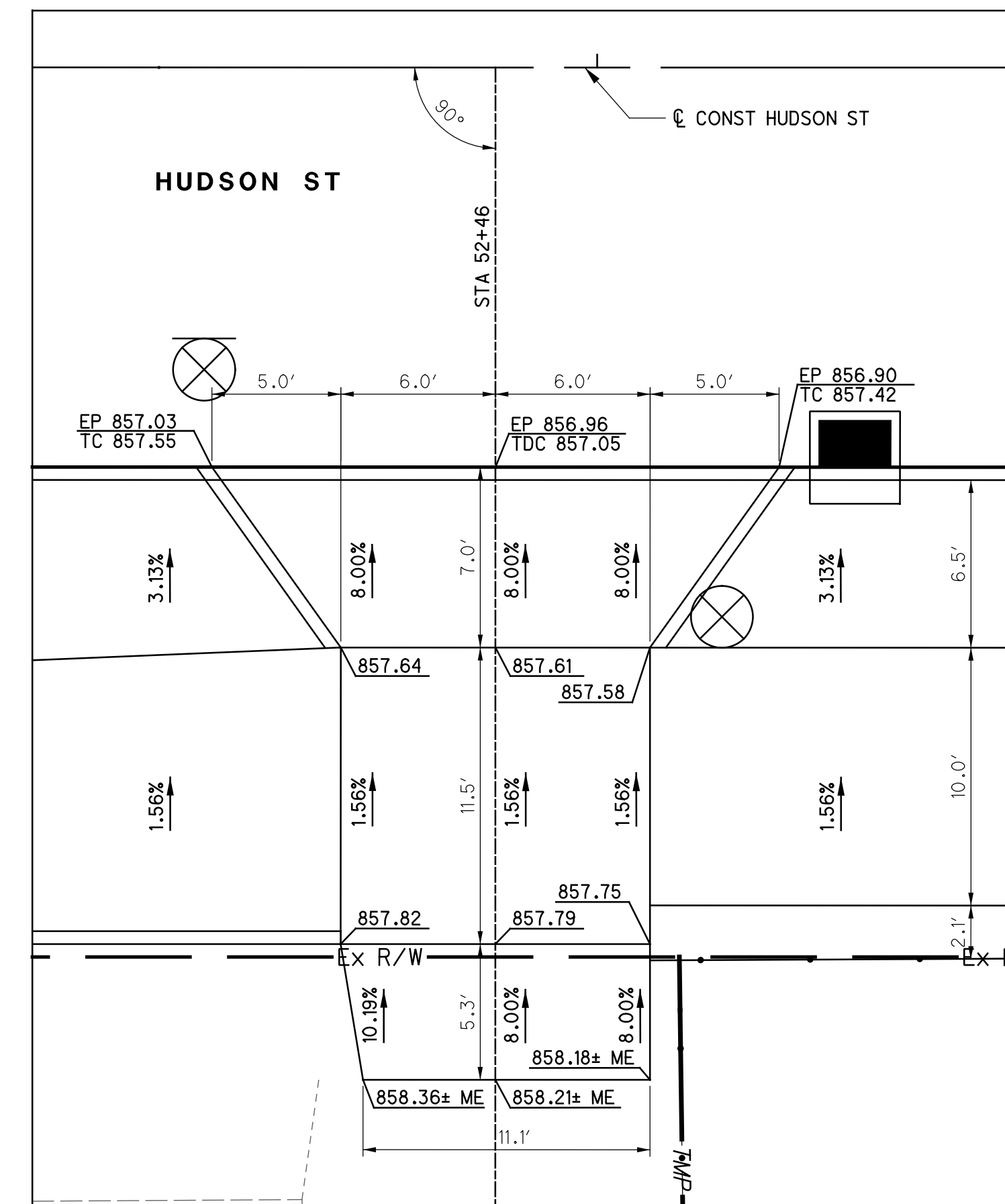
DRIVE DETAIL AT HUDSON ST STA 51+25 LT



DRIVE DETAIL AT HUDSON ST STA 51+44 RT

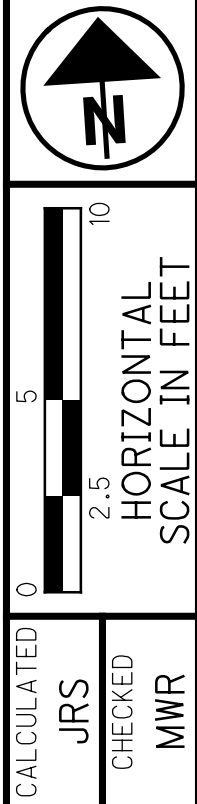


DRIVE DETAIL AT HUDSON ST STA 52+09 RT



DRIVE DETAIL AT HUDSON ST STA 52+46 RT

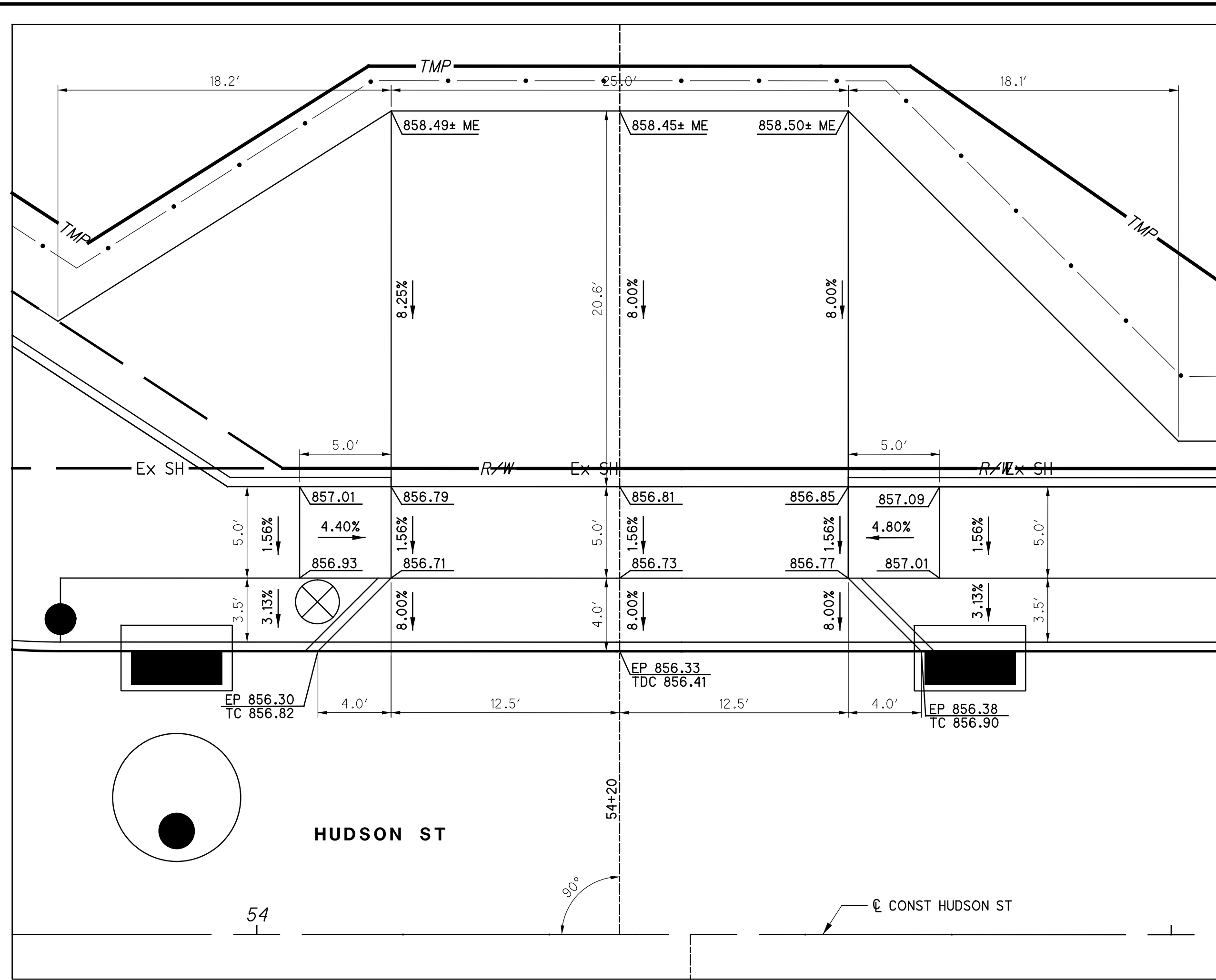
LEGEND  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING



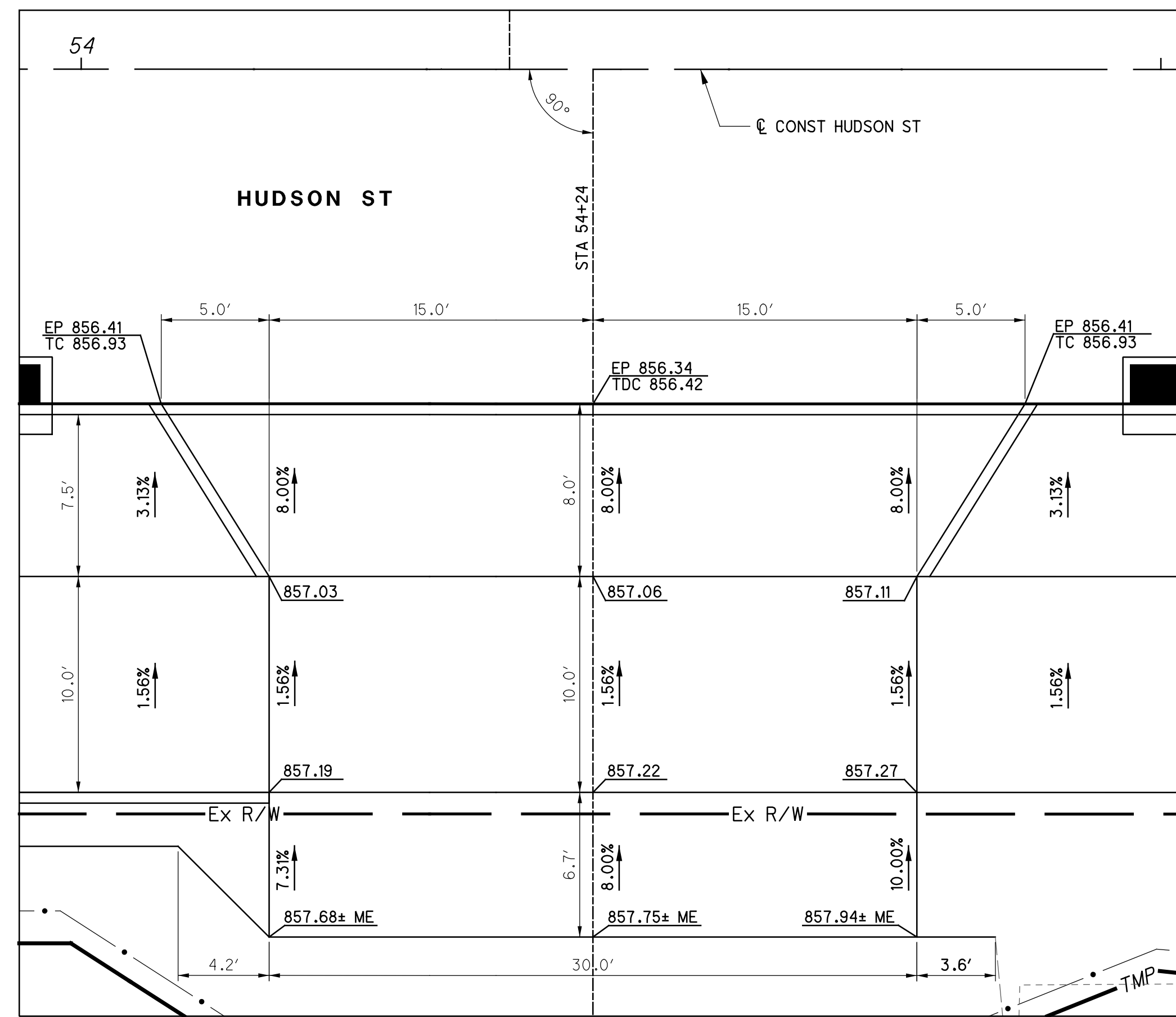
DRIVE DETAILS  
 HUDSON ST

HUDSON ST

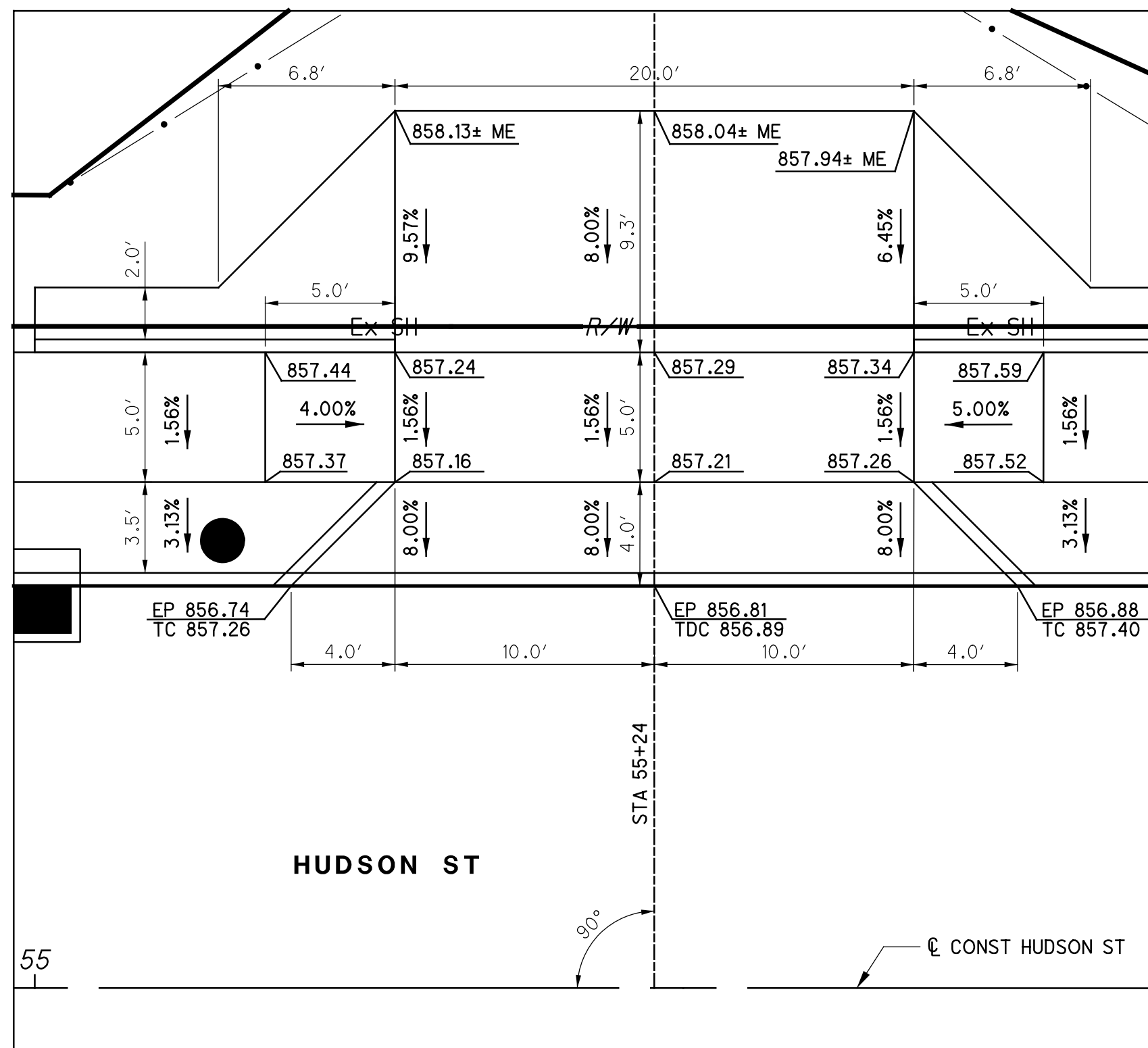
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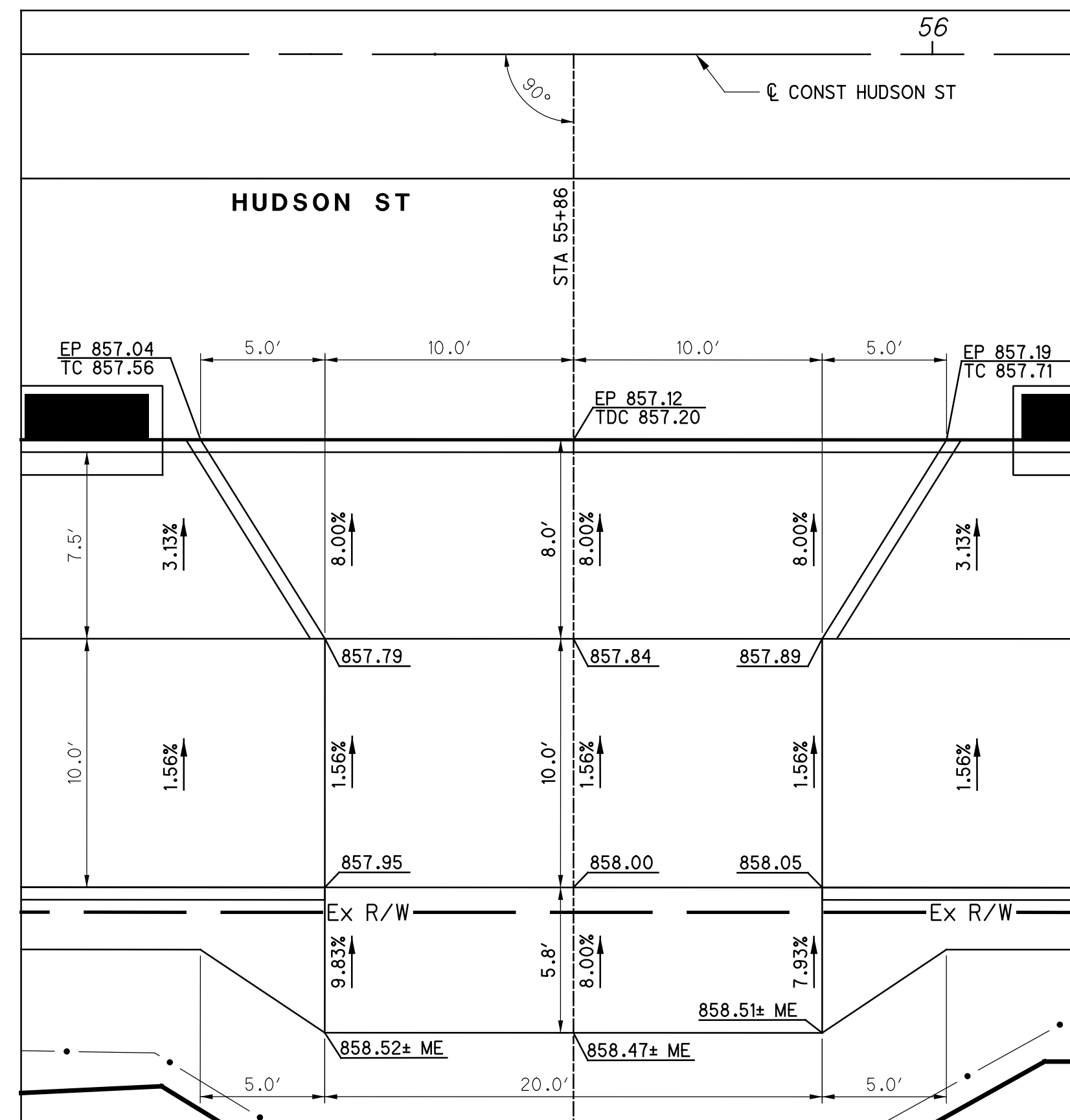
DRIVE DETAIL AT HUDSON ST STA 54+20 LT



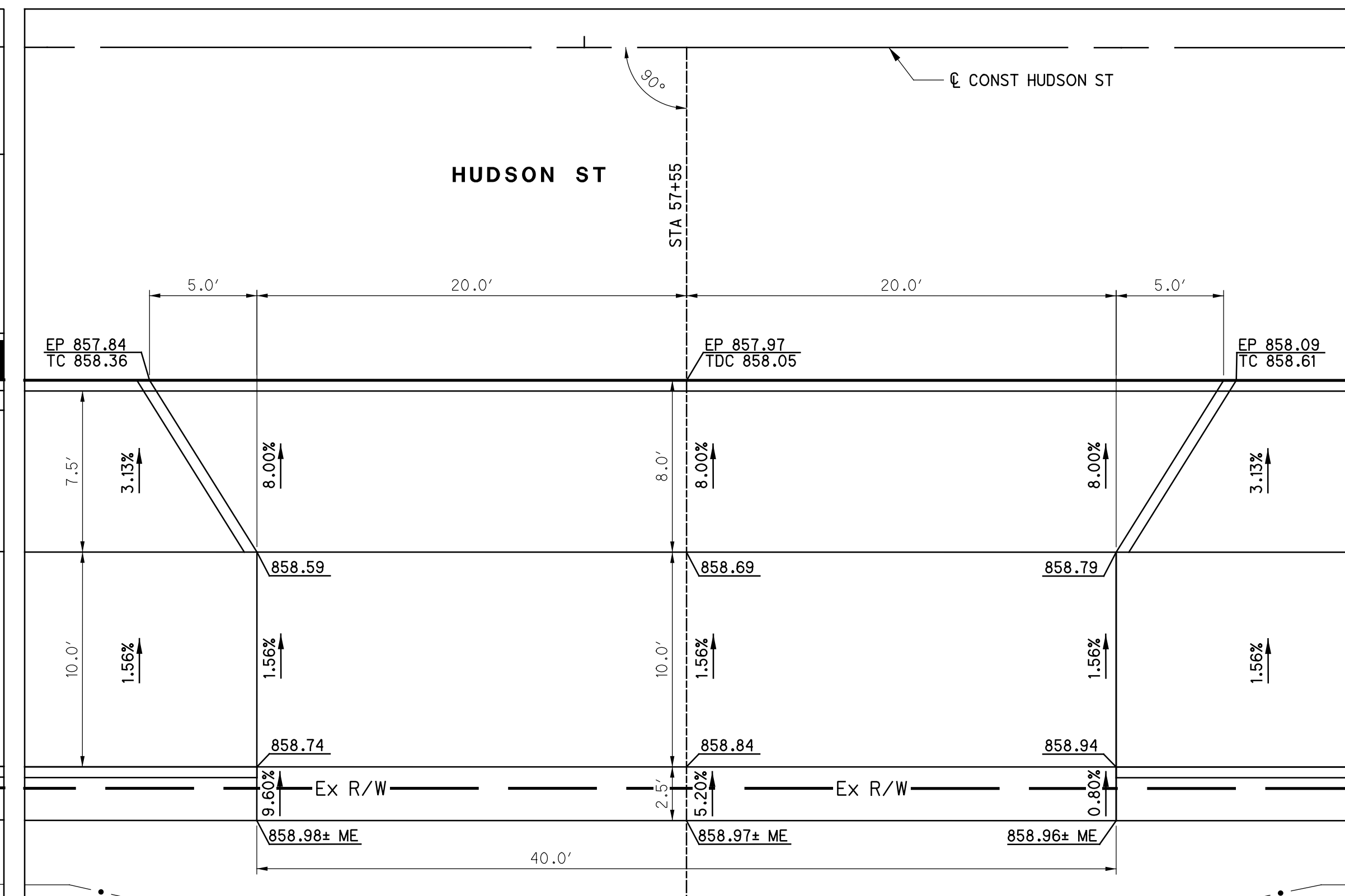
DRIVE DETAIL AT HUDSON ST STA 54+24 RT



DRIVE DETAIL AT HUDSON ST STA 55+24 LT

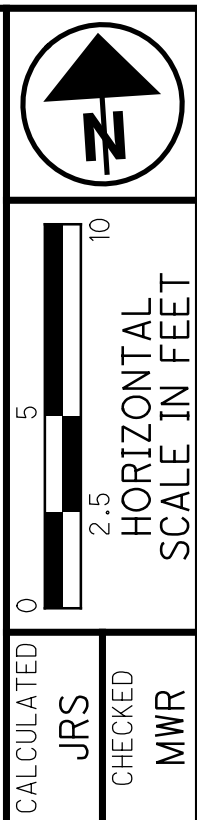


DRIVE DETAIL AT HUDSON ST STA 55+86 RT



DRIVE DETAIL AT HUDSON ST STA 57+55 RT

LEGEND  
TC = TOP OF CURB  
TDC = TOP OF DROPPED CURB  
EP = EDGE OF PAVEMENT  
ME = MATCH EXISTING



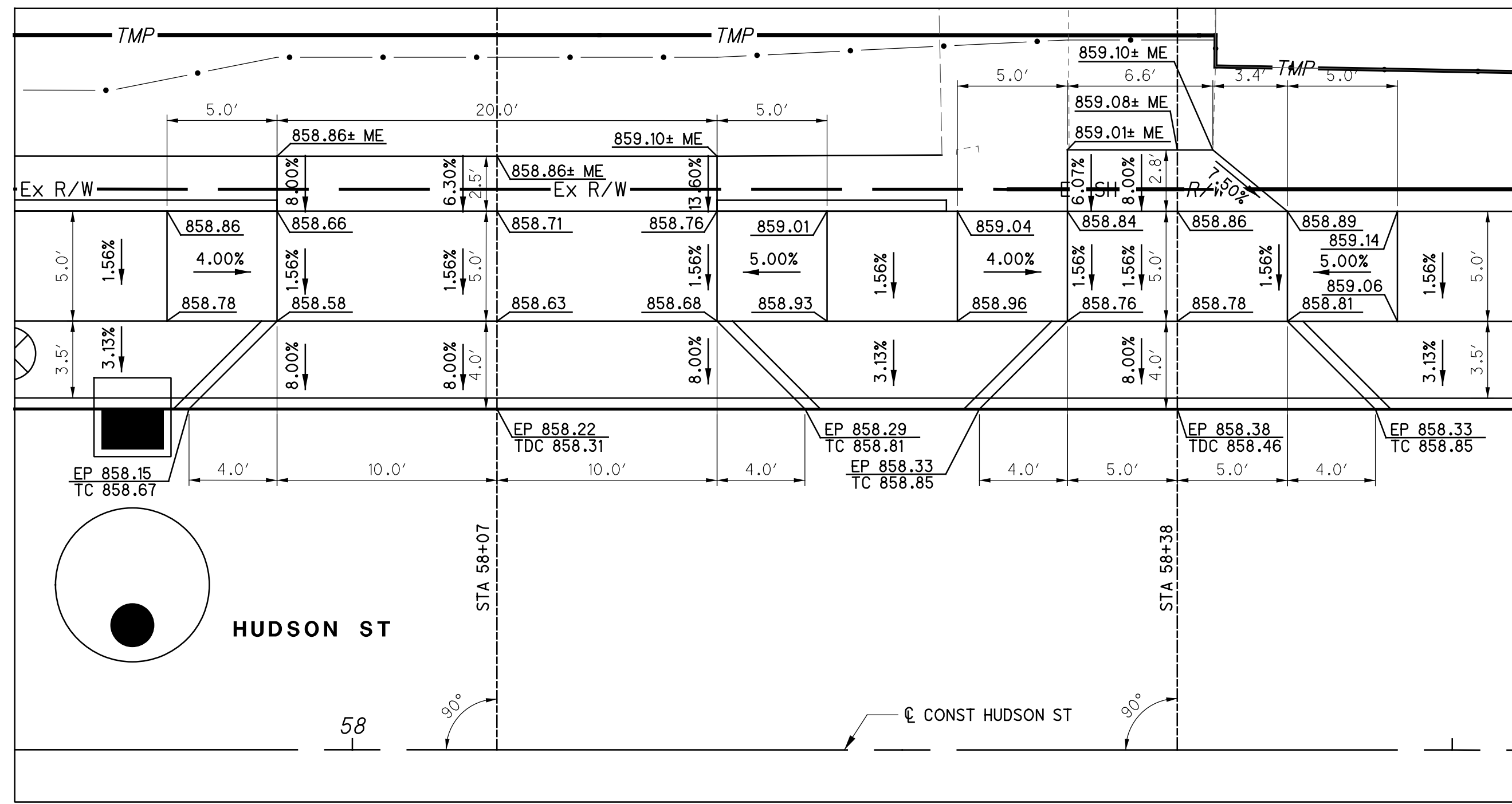
DRIVE DETAILS  
HUDSON ST

HUDSON ST

3575-E

291  
535

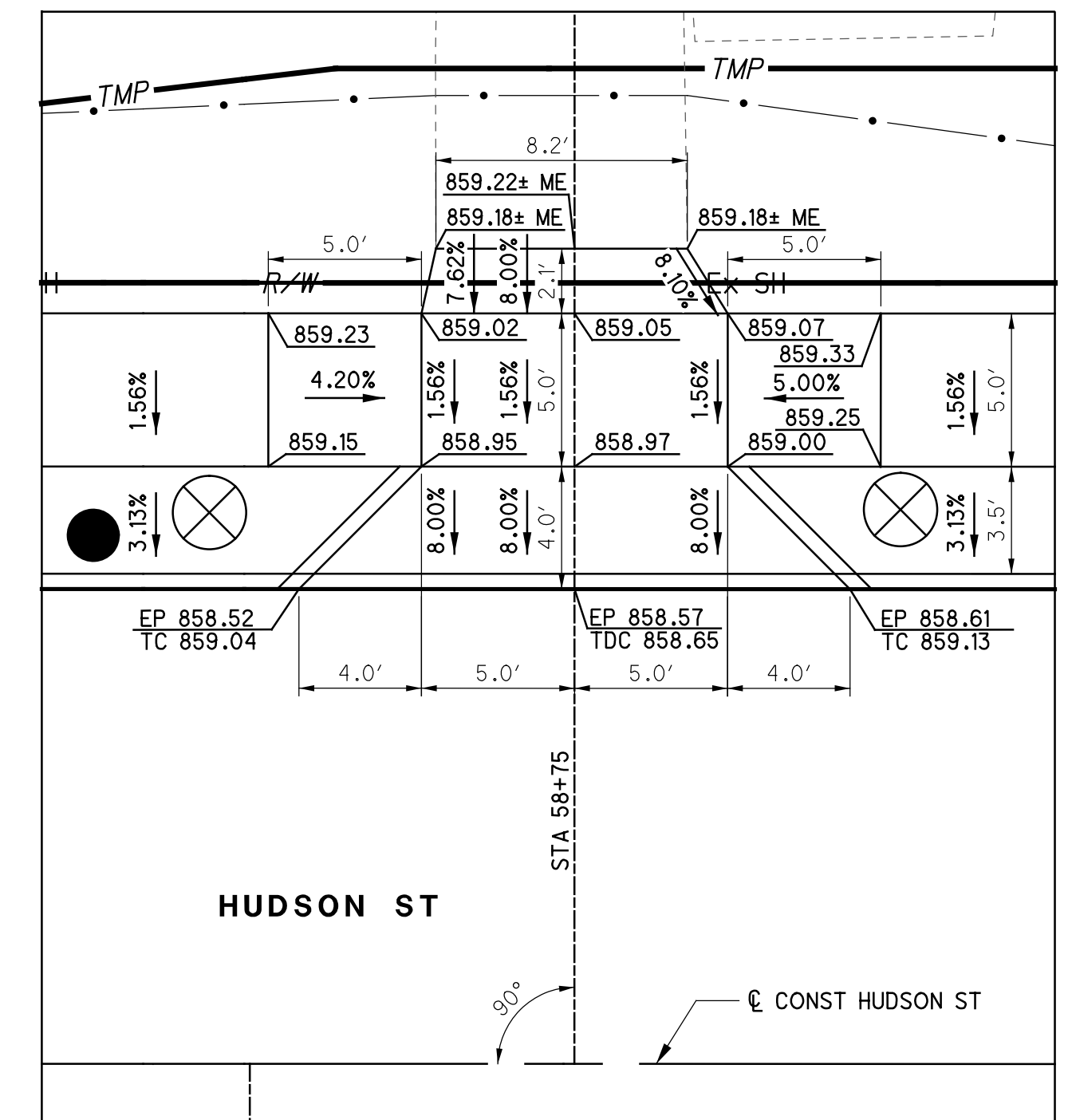
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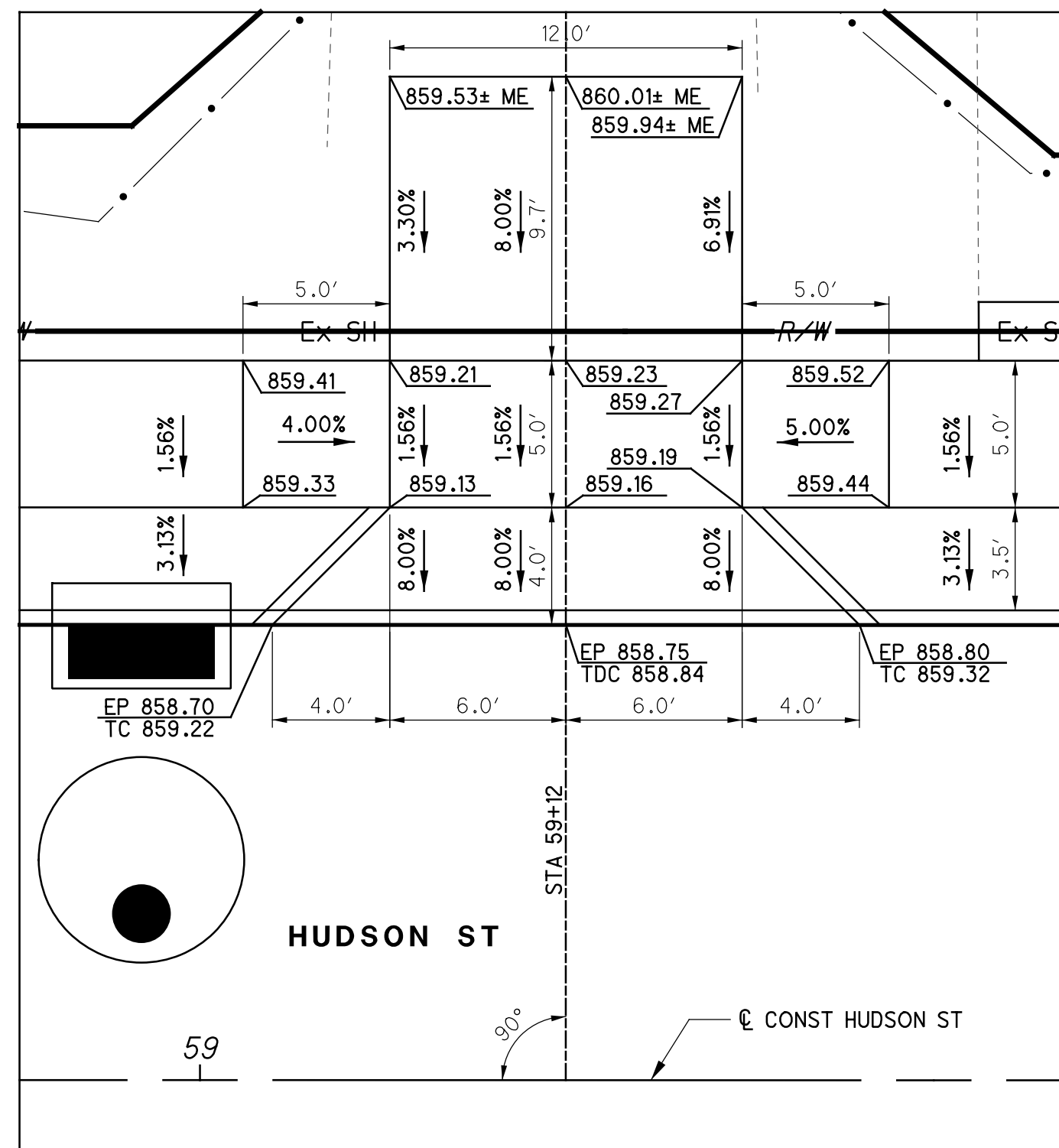
DRIVE DETAIL AT HUDSON ST STA 58+07 LT



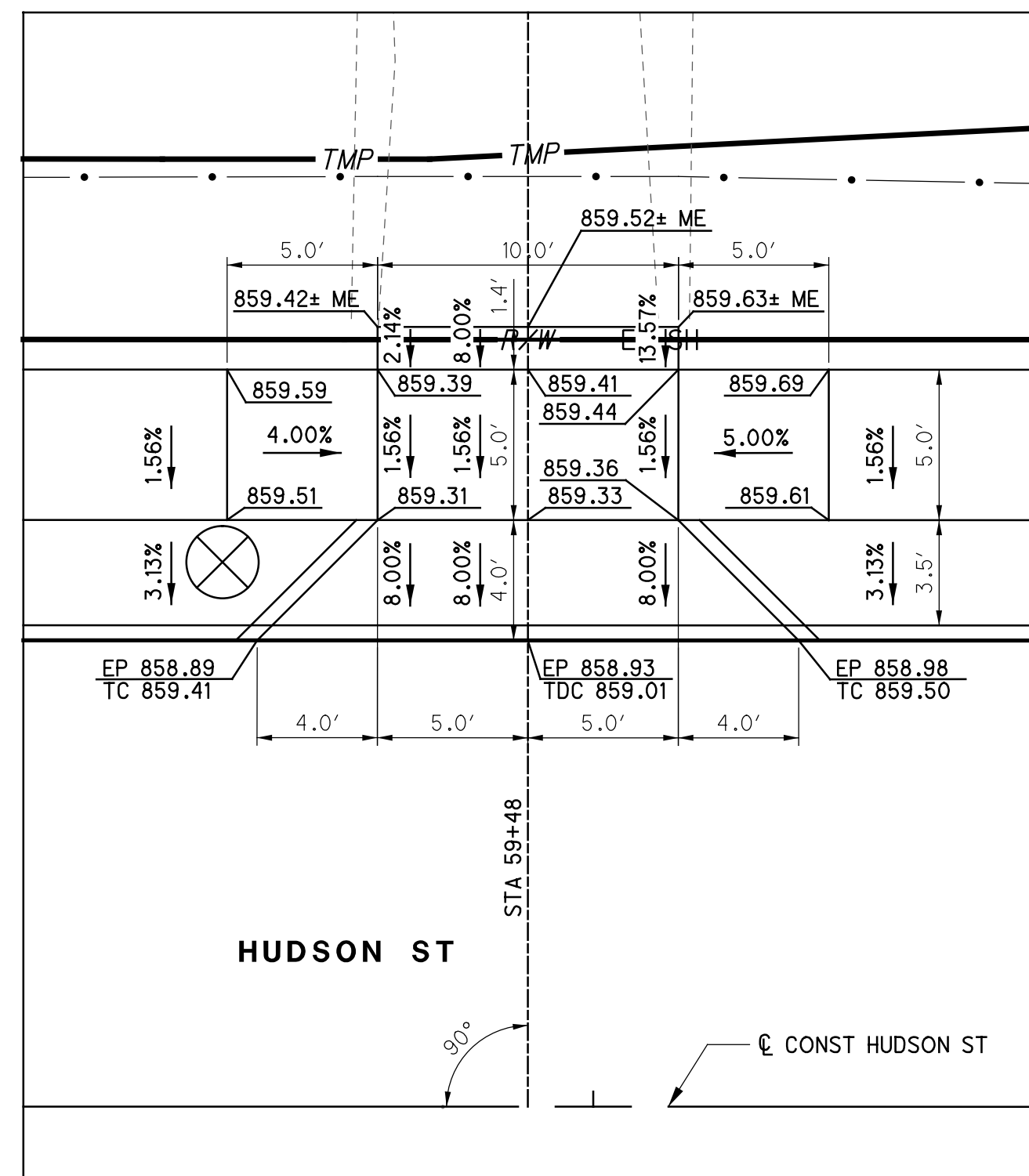
DRIVE DETAIL AT HUDSON ST STA 58+65 RT



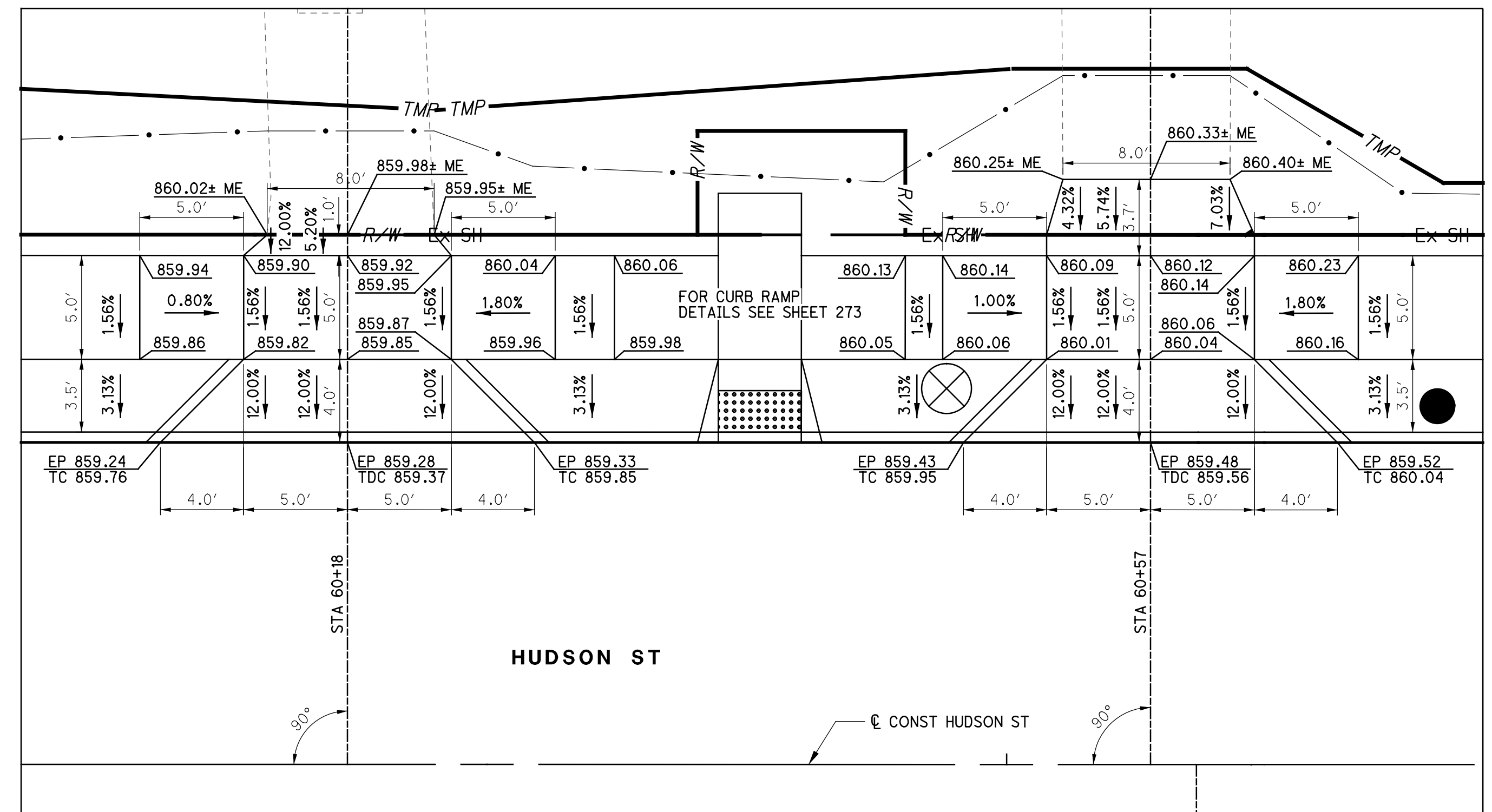
DRIVE DETAIL AT HUDSON ST STA 58+75 LT



DRIVE DETAIL AT HUDSON ST STA 59+12 LT



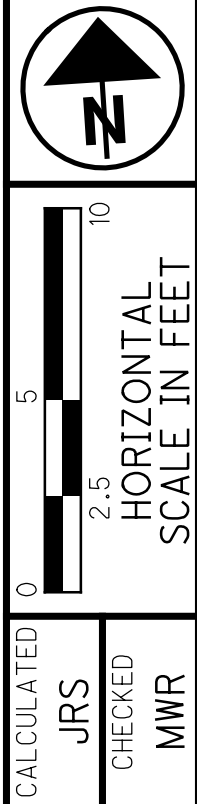
DRIVE DETAIL AT HUDSON ST STA 59+48 LT



DRIVE DETAIL AT HUDSON ST STA 60+18 LT

DRIVE DETAIL AT HUDSON ST STA 60+57 LT

LEGEND  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING



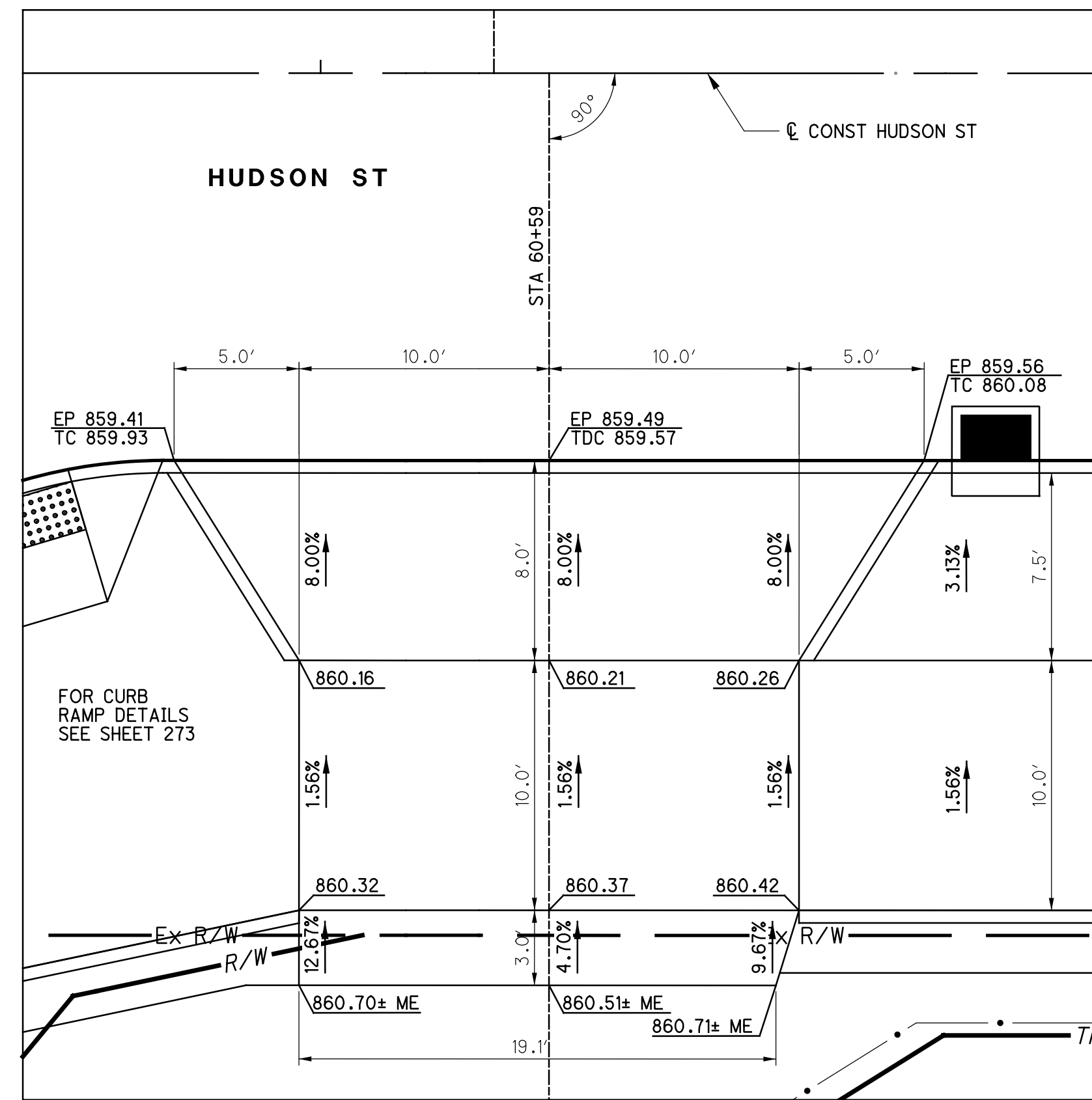
DRIVE DETAILS  
 HUDSON ST

HUDSON ST

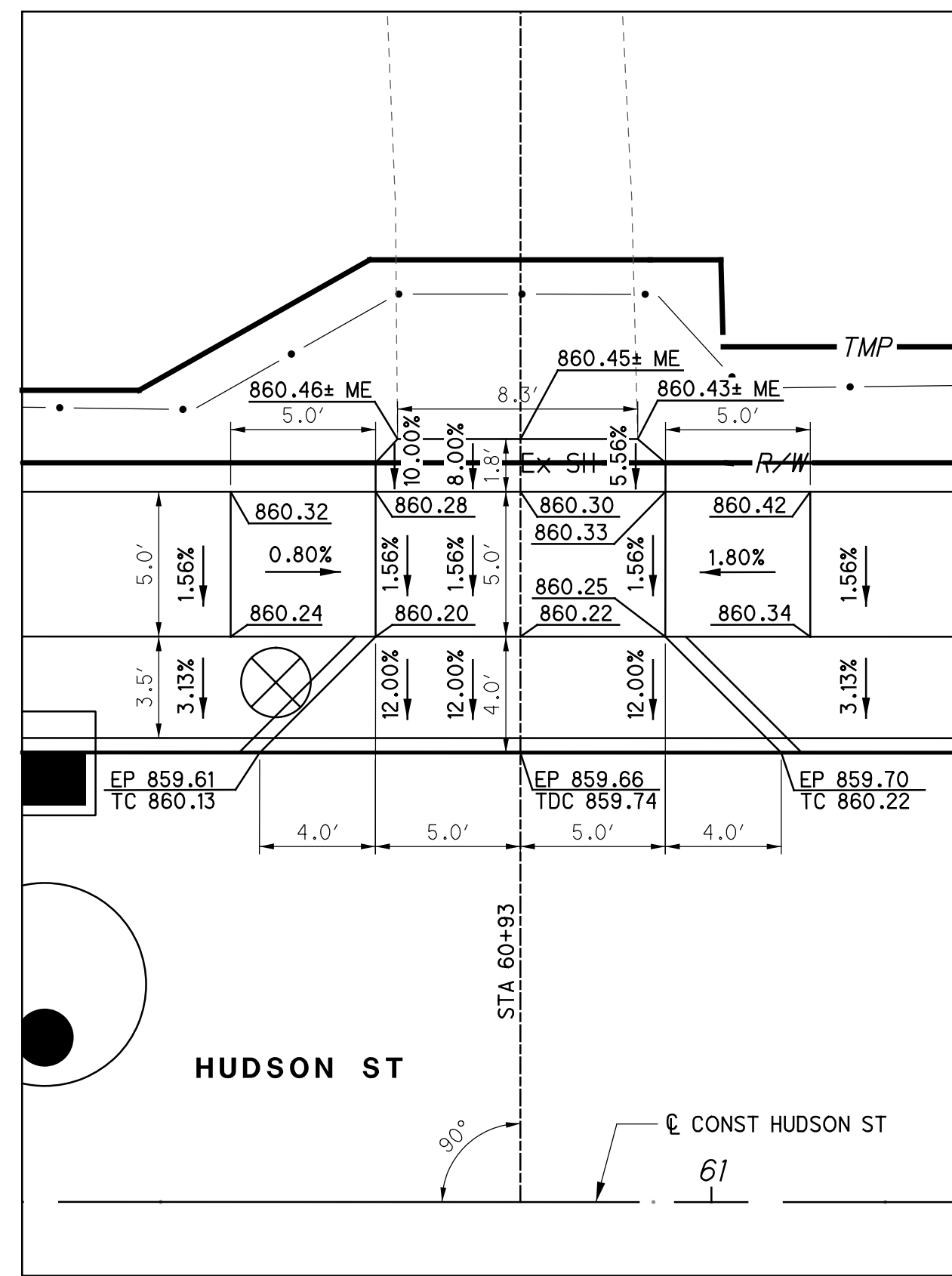
CALCULATED JRS  
 CHECKED MWR  
 292  
 535

3575-E

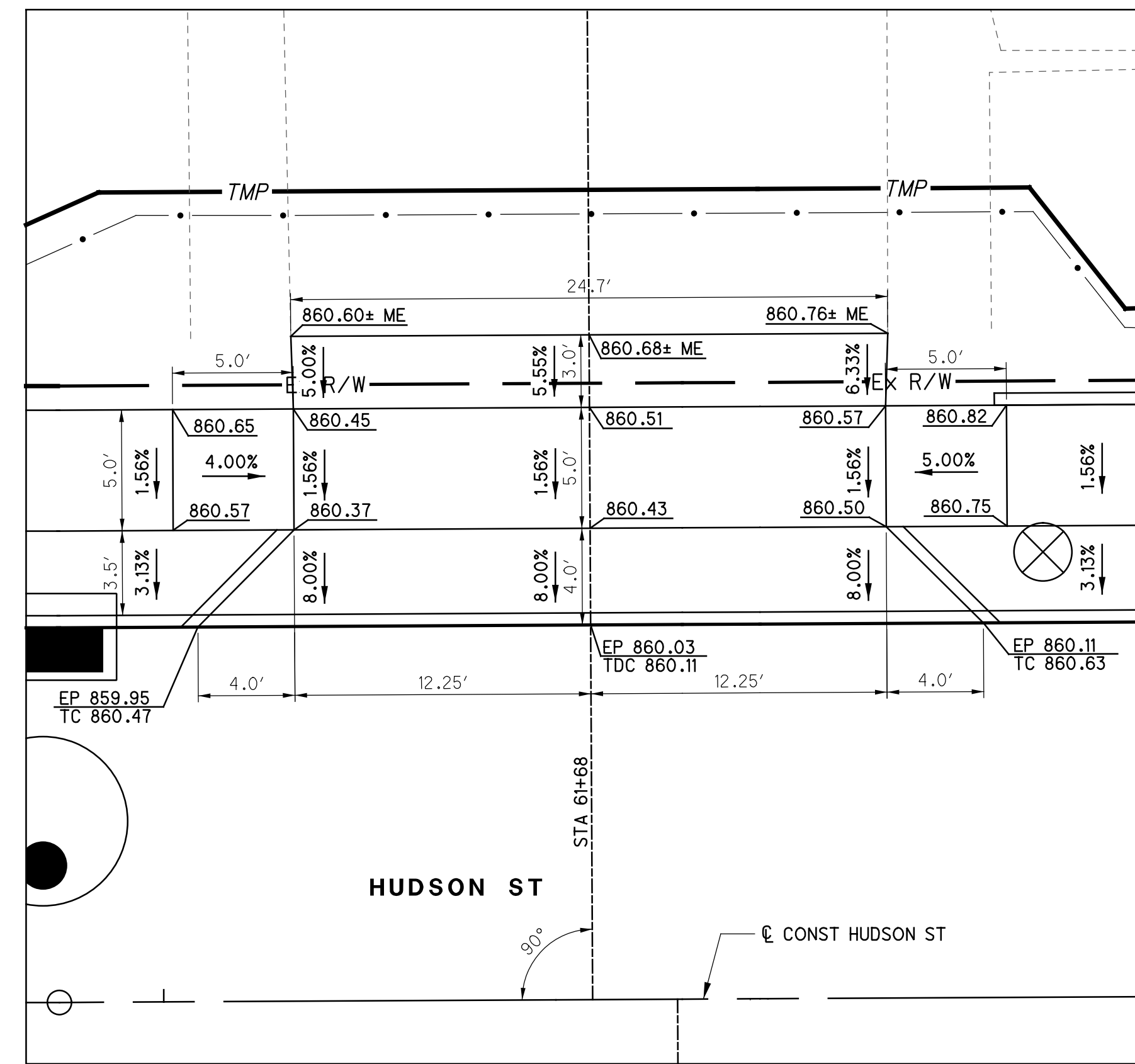
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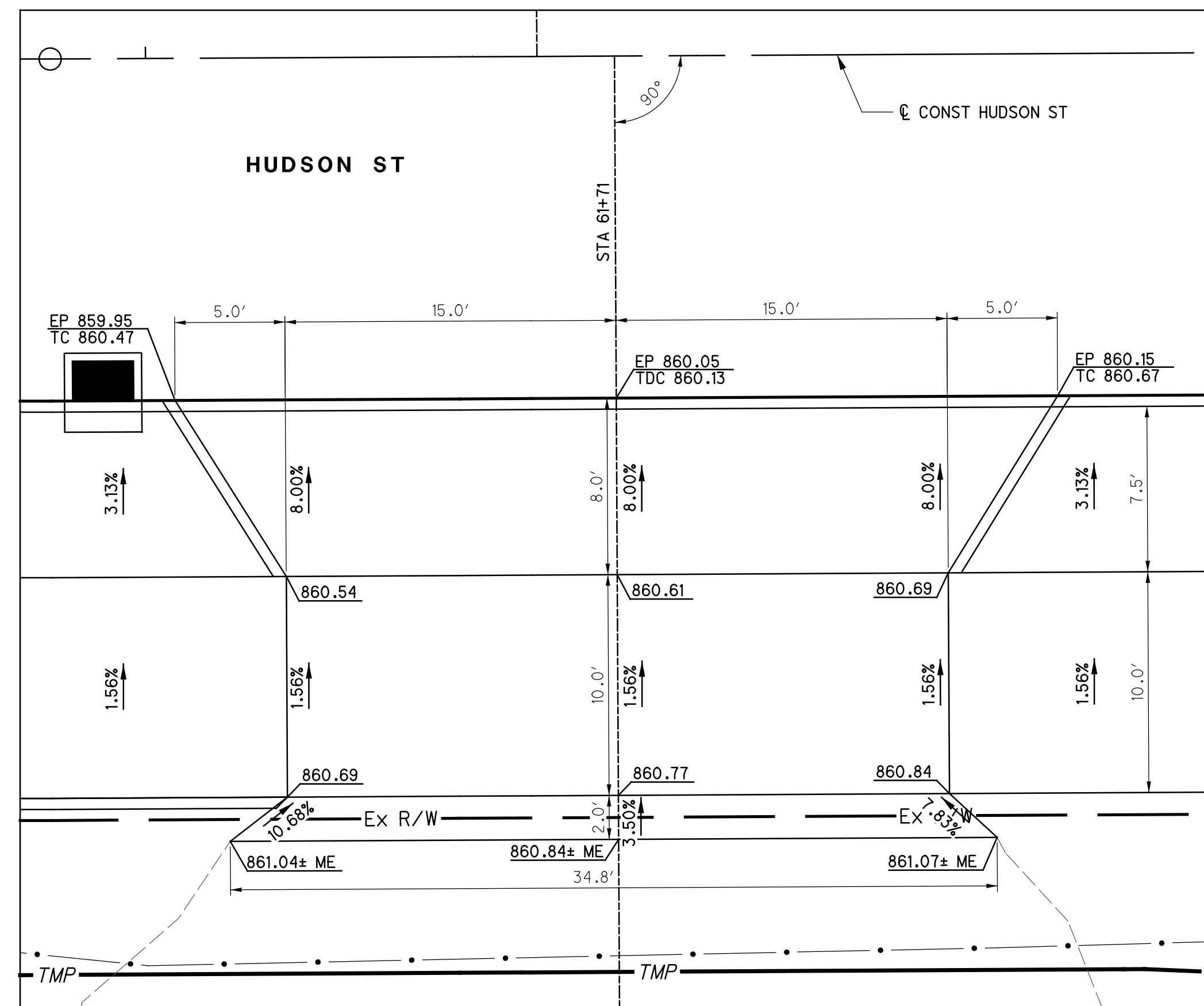
DRIVE DETAIL AT HUDSON ST STA 60+59 RT



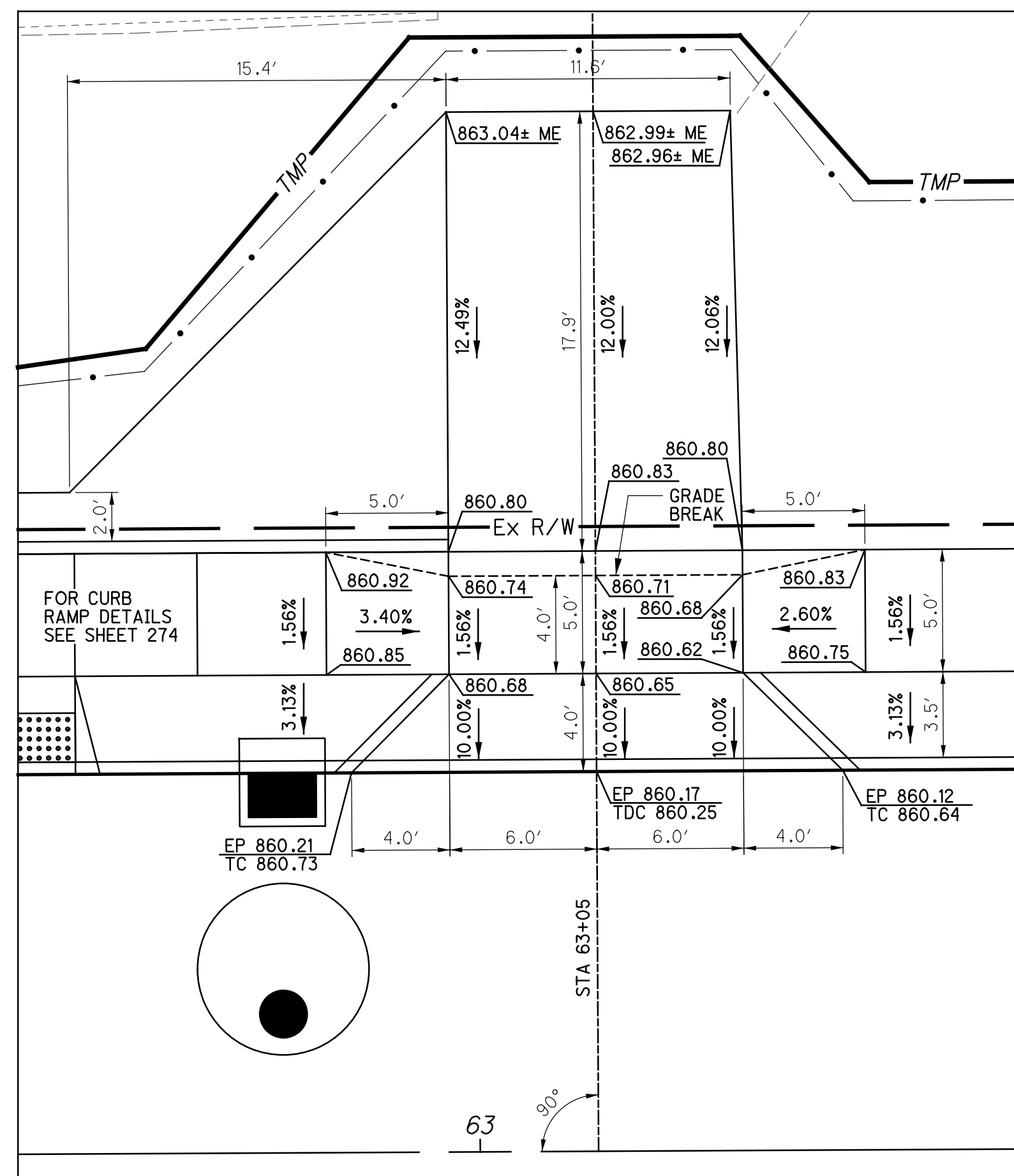
DRIVE DETAIL AT HUDSON ST STA 60+93 LT



DRIVE DETAIL AT HUDSON ST STA 61+68 LT



DRIVE DETAIL AT HUDSON ST STA 61+71 RT



DRIVE DETAIL AT HUDSON ST STA 63+05 LT



0 5 10  
 2.5  
 HORIZONTAL  
 SCALE IN FEET

CALCULATED JRS  
 CHECKED MWR

DRIVE DETAILS  
 HUDSON ST

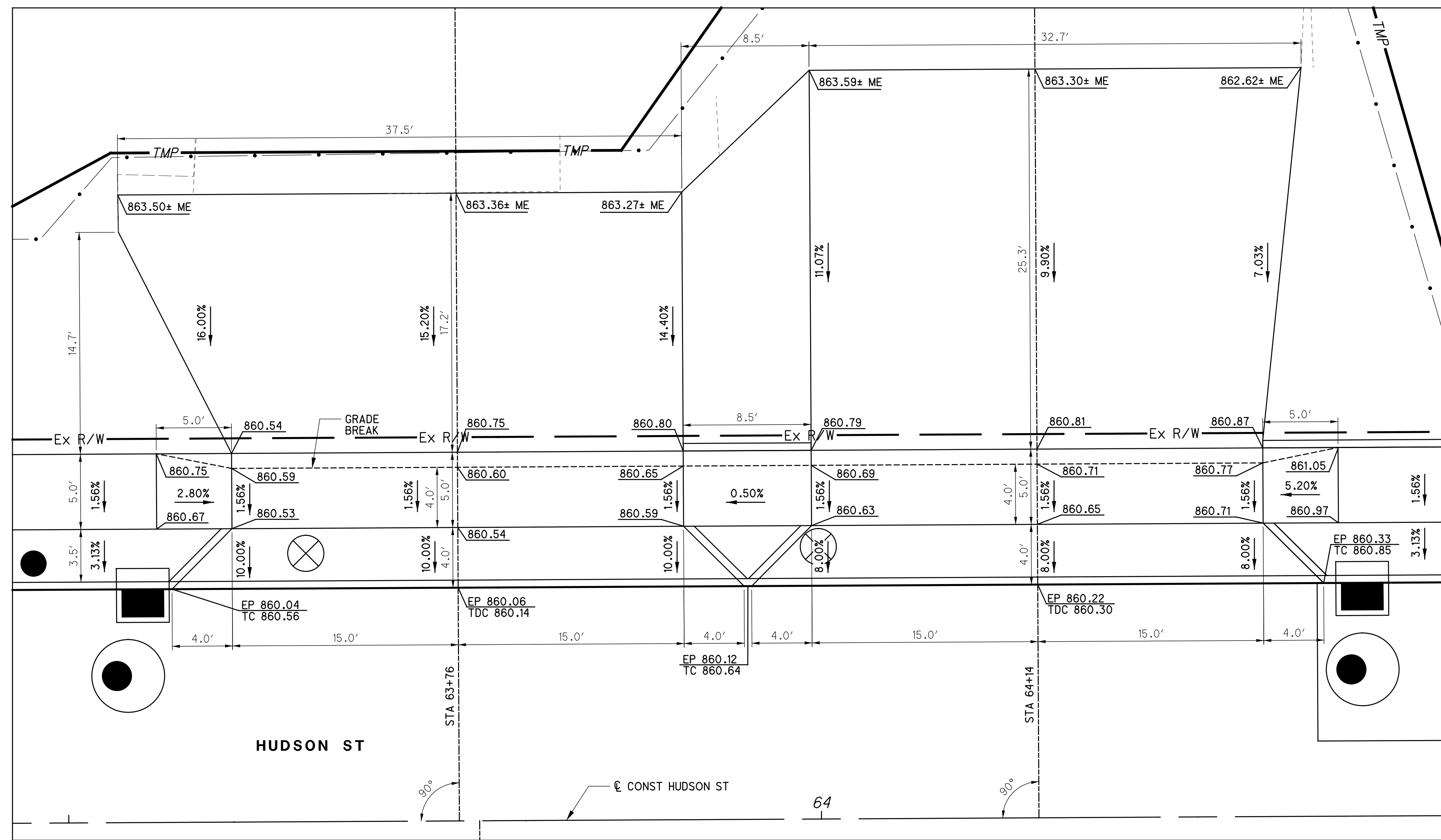
HUDSON ST

LEGEND  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

3575-E

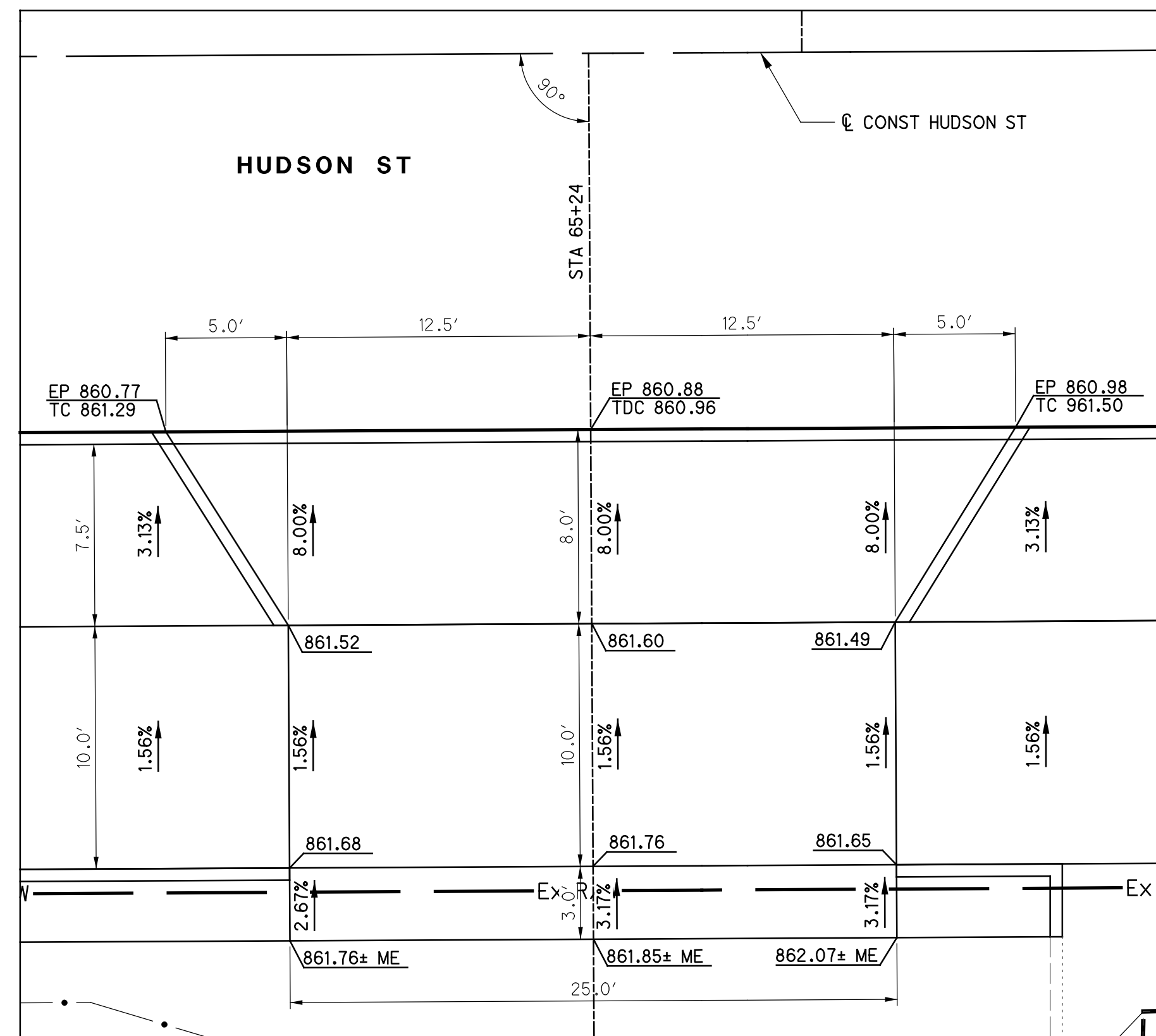
293  
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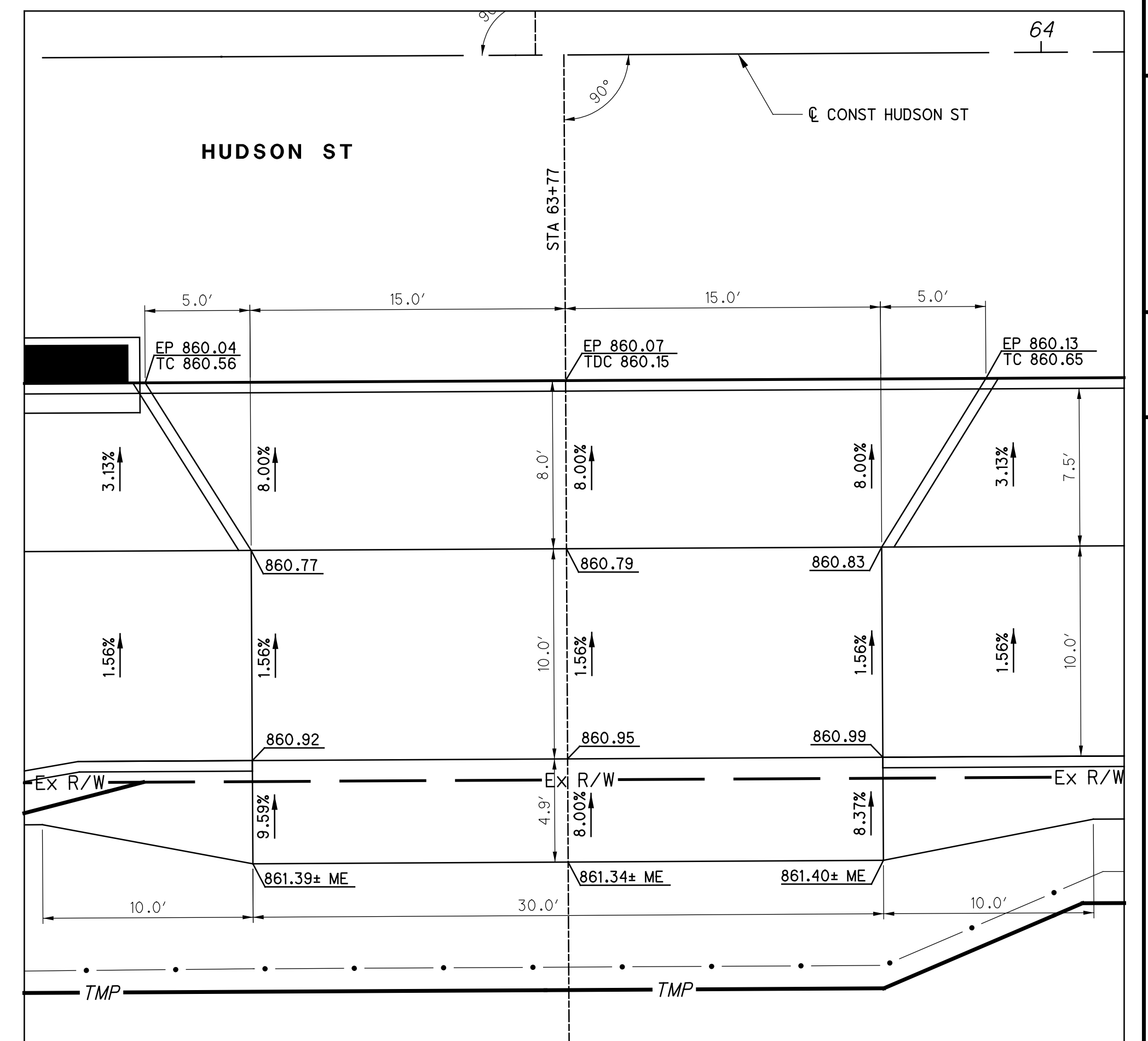


DRIVE DETAIL AT HUDSON ST STA 63+76 LT

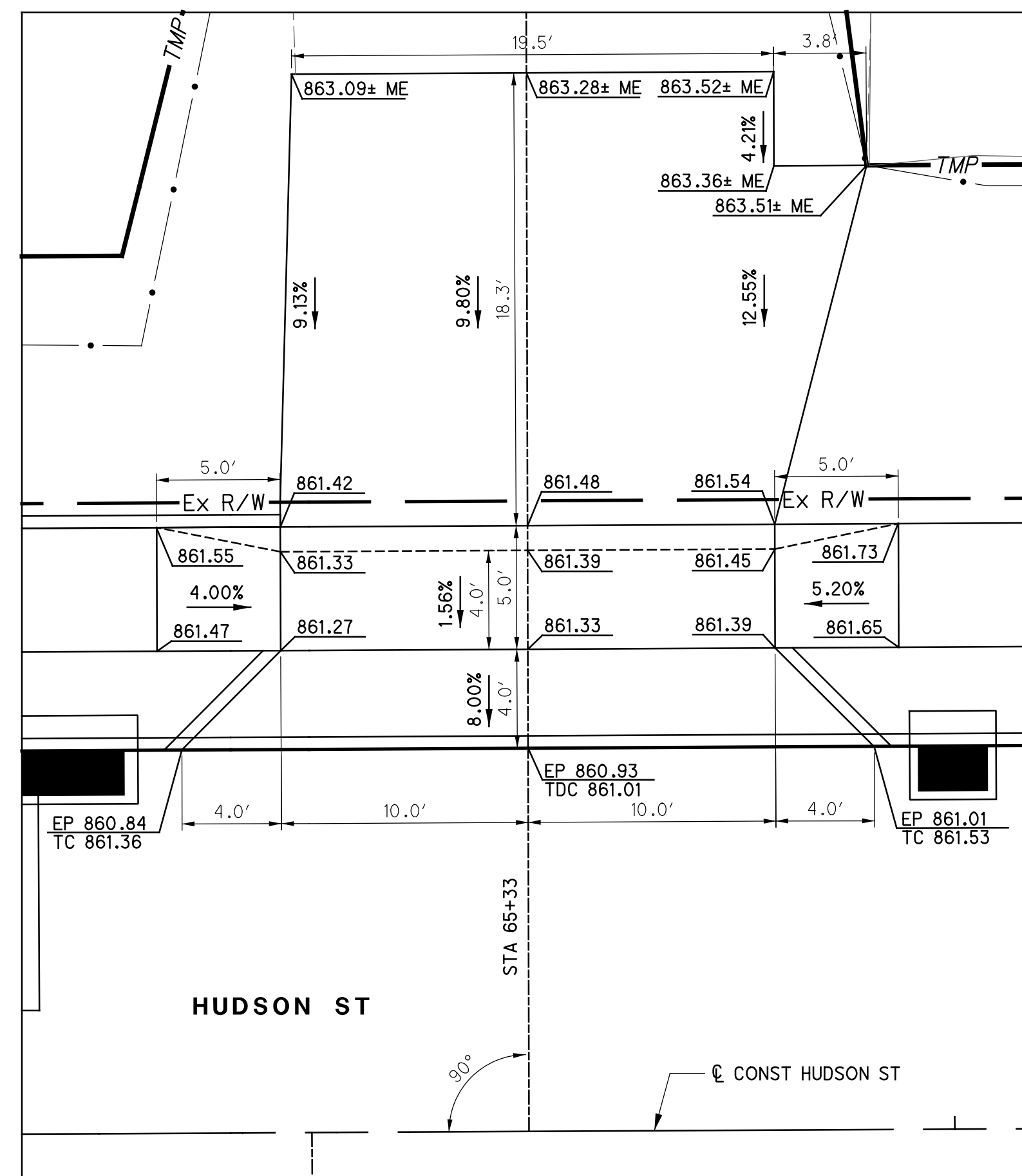
DRIVE DETAIL AT HUDSON ST STA 64+14 LT



DRIVE DETAIL AT HUDSON ST STA 65+24 RT



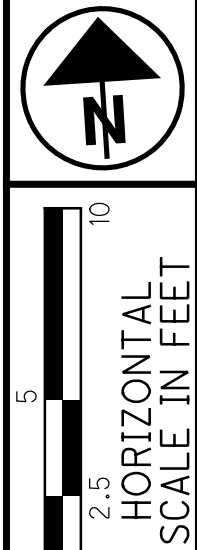
DRIVE DETAIL AT HUDSON ST STA 63+77 RT



DRIVE DETAIL AT HUDSON ST STA 65+33 LT

**LEGEND**  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

CALCULATED JRS  
 CHECKED MWR



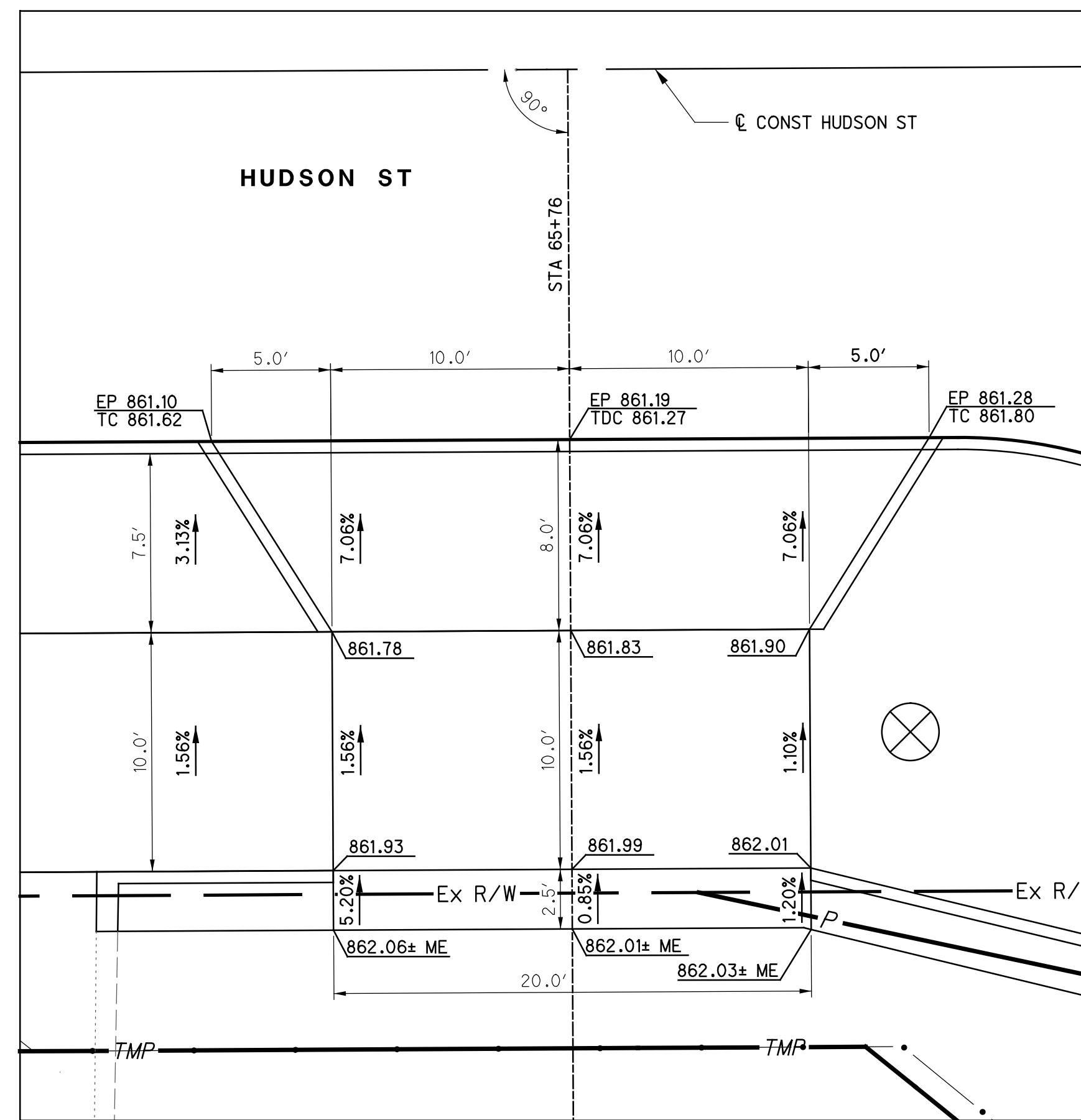
**DRIVE DETAILS  
 HUDSON ST**

**HUDSON ST**

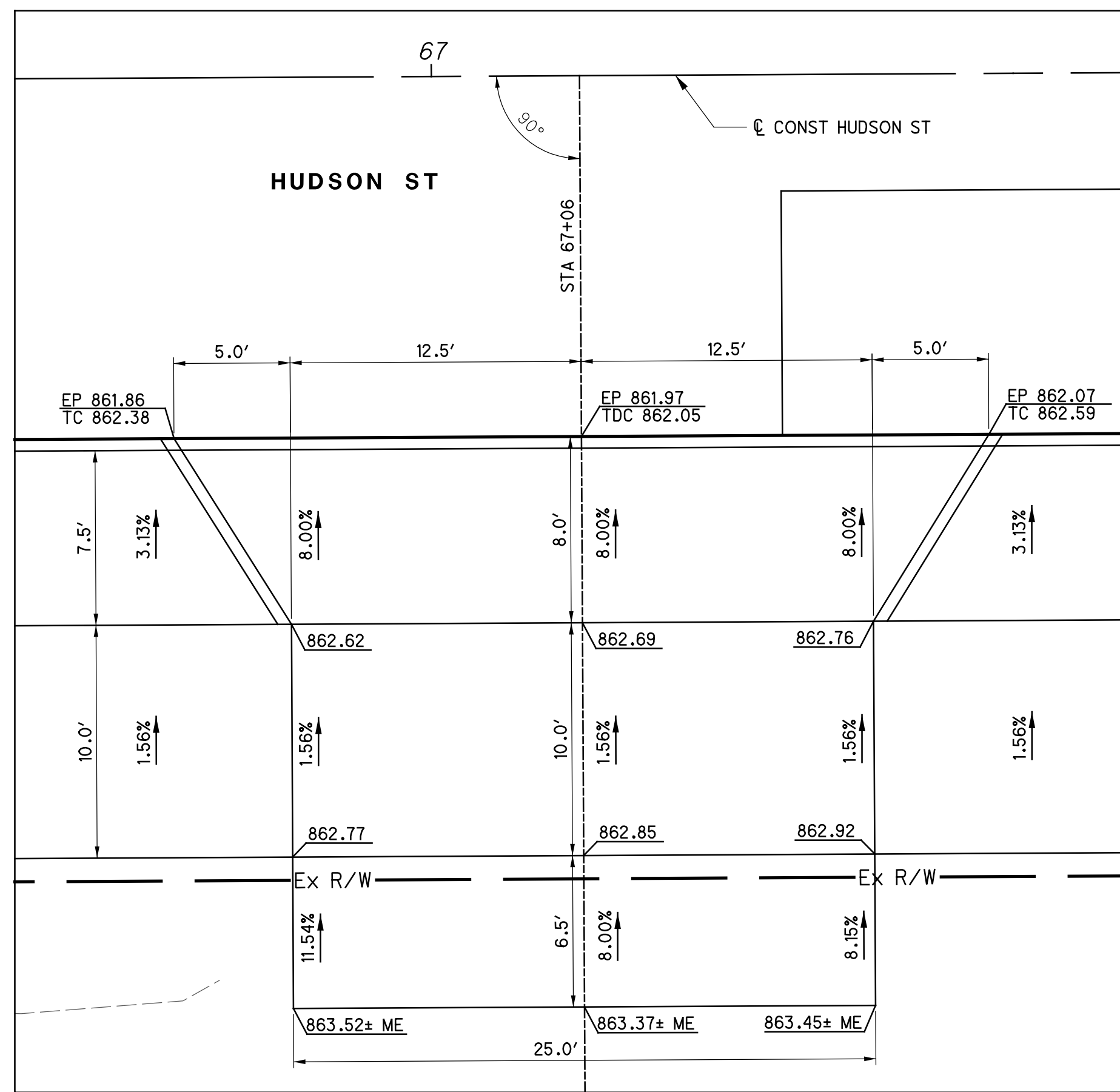
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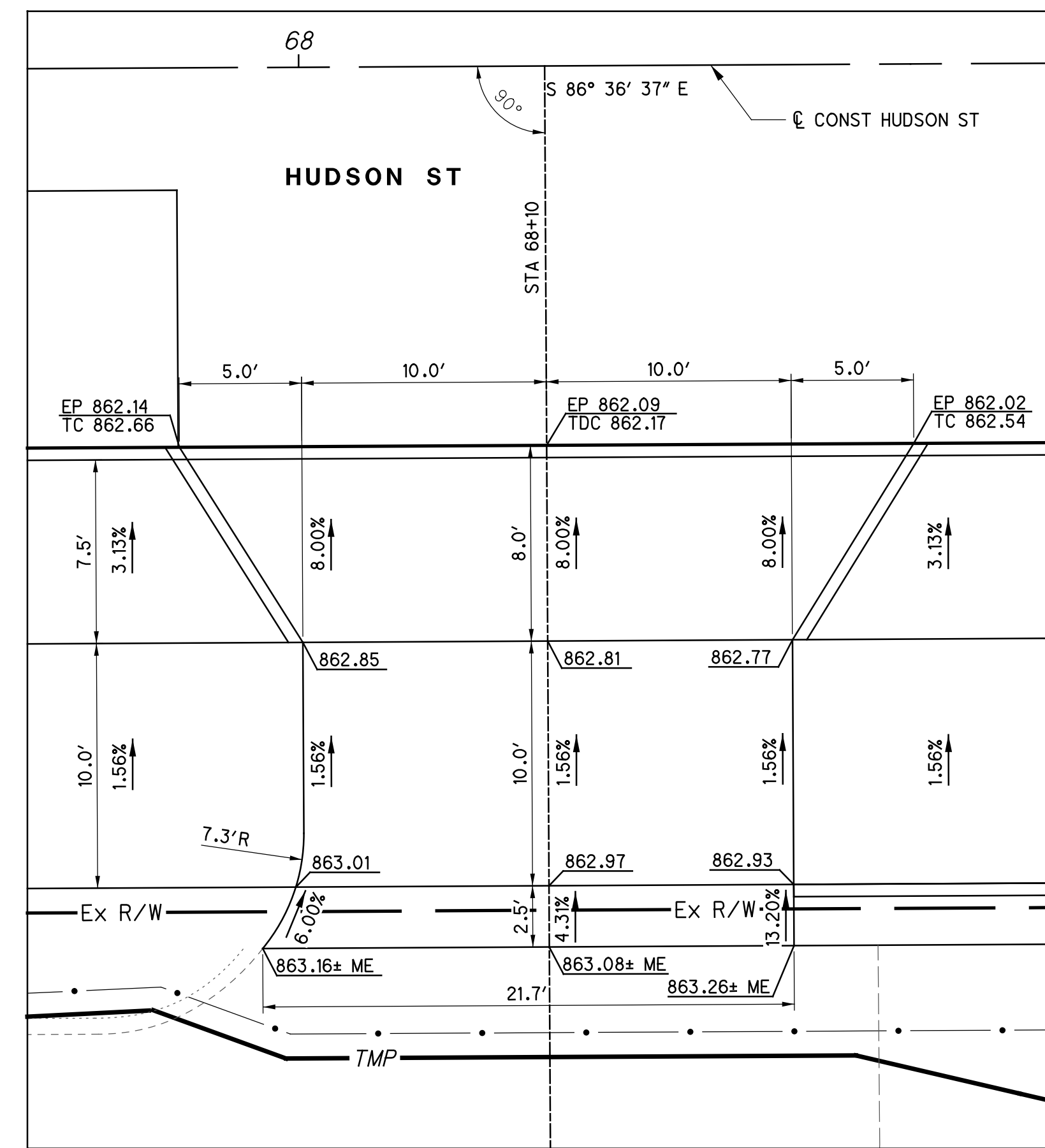
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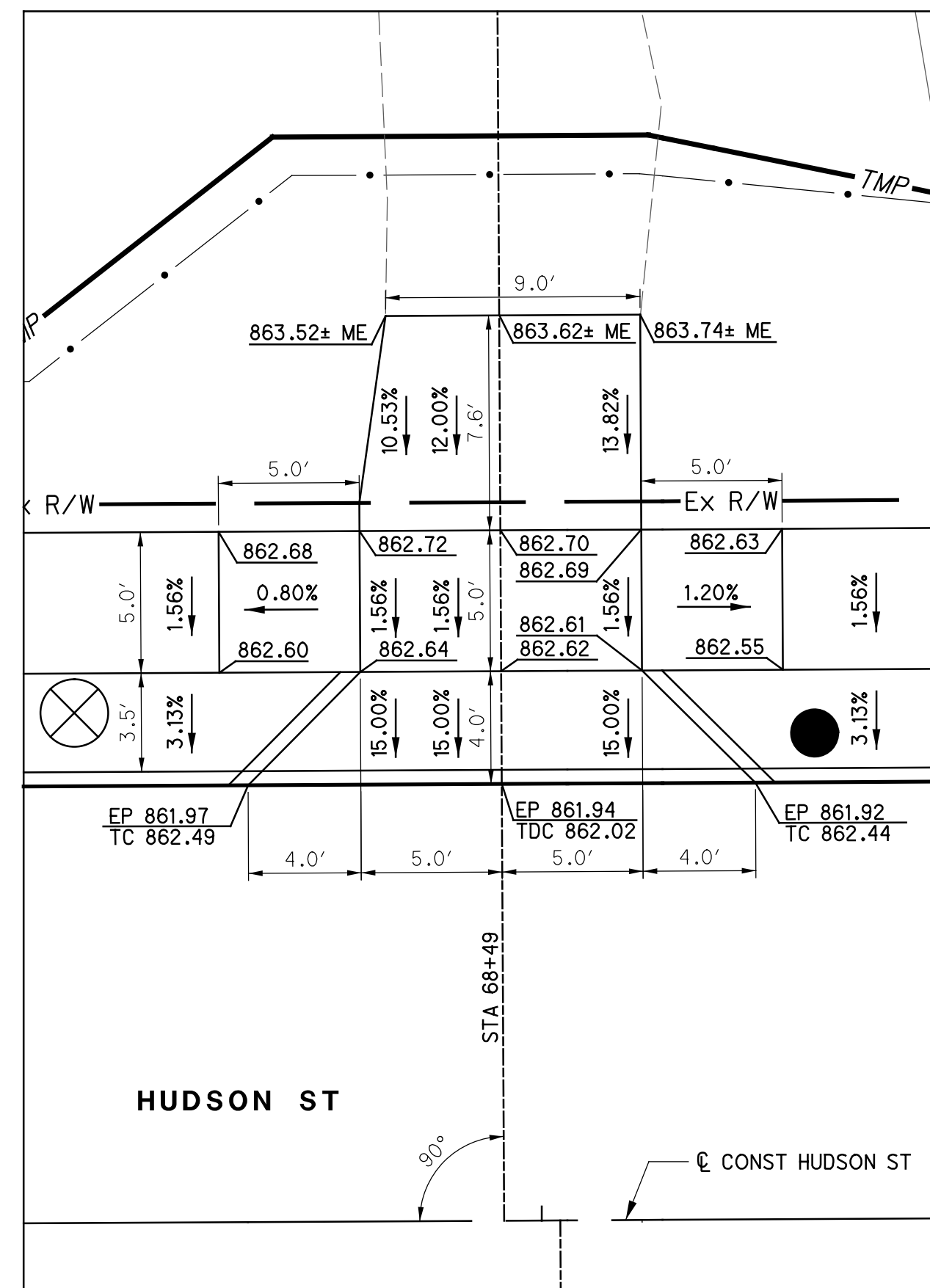
DRIVE DETAIL AT HUDSON ST STA 65+76 RT



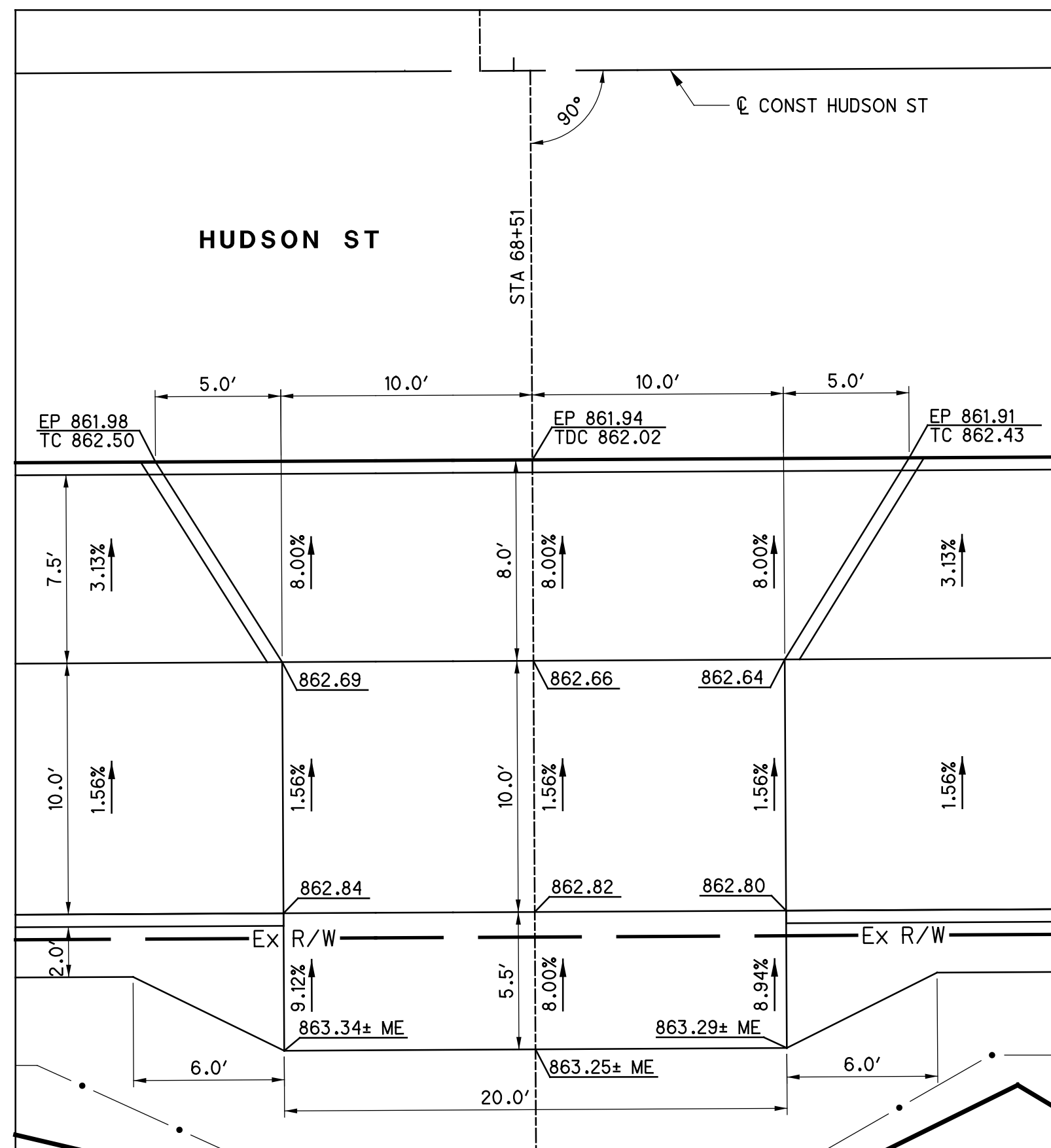
DRIVE DETAIL AT HUDSON ST STA 67+06 RT



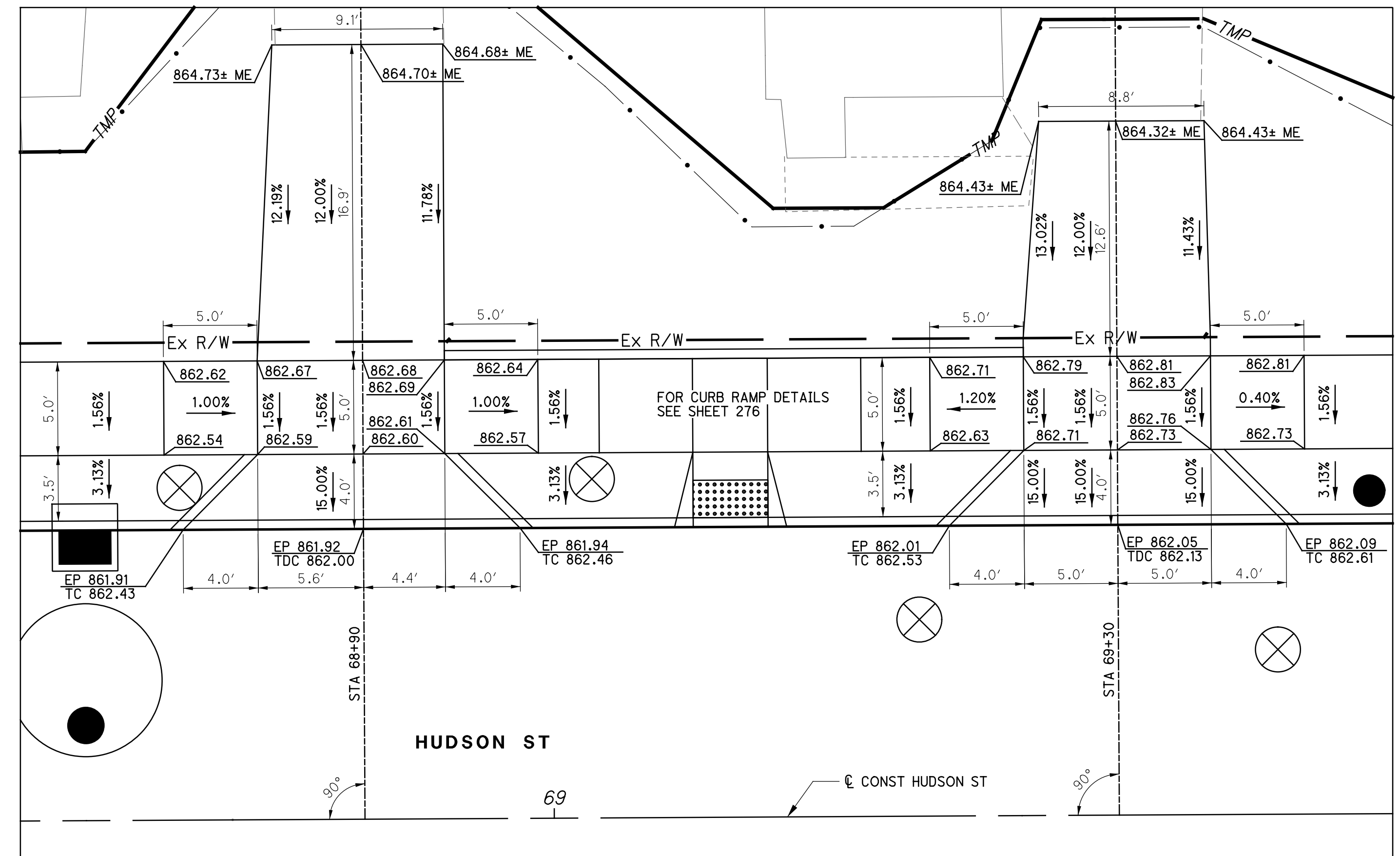
DRIVE DETAIL AT HUDSON ST STA 68+10 RT



DRIVE DETAIL AT HUDSON ST STA 68+49 LT



DRIVE DETAIL AT HUDSON ST STA 68+51 RT



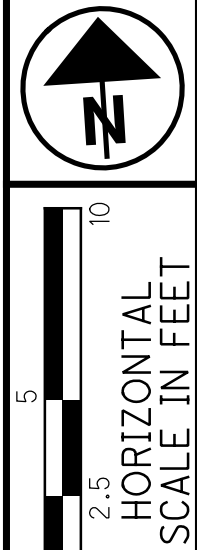
DRIVE DETAIL AT HUDSON ST STA 68+90 LT

DRIVE DETAIL AT HUDSON ST STA 69+30 LT

LEGEND  
TC = TOP OF CURB  
TDC = TOP OF DROPPED CURB  
EP = EDGE OF PAVEMENT  
ME = MATCH EXISTING

3575-E

CALCULATED  
JRS  
CHECKED  
MWR



DRIVE DETAILS  
HUDSON ST

HUDSON ST

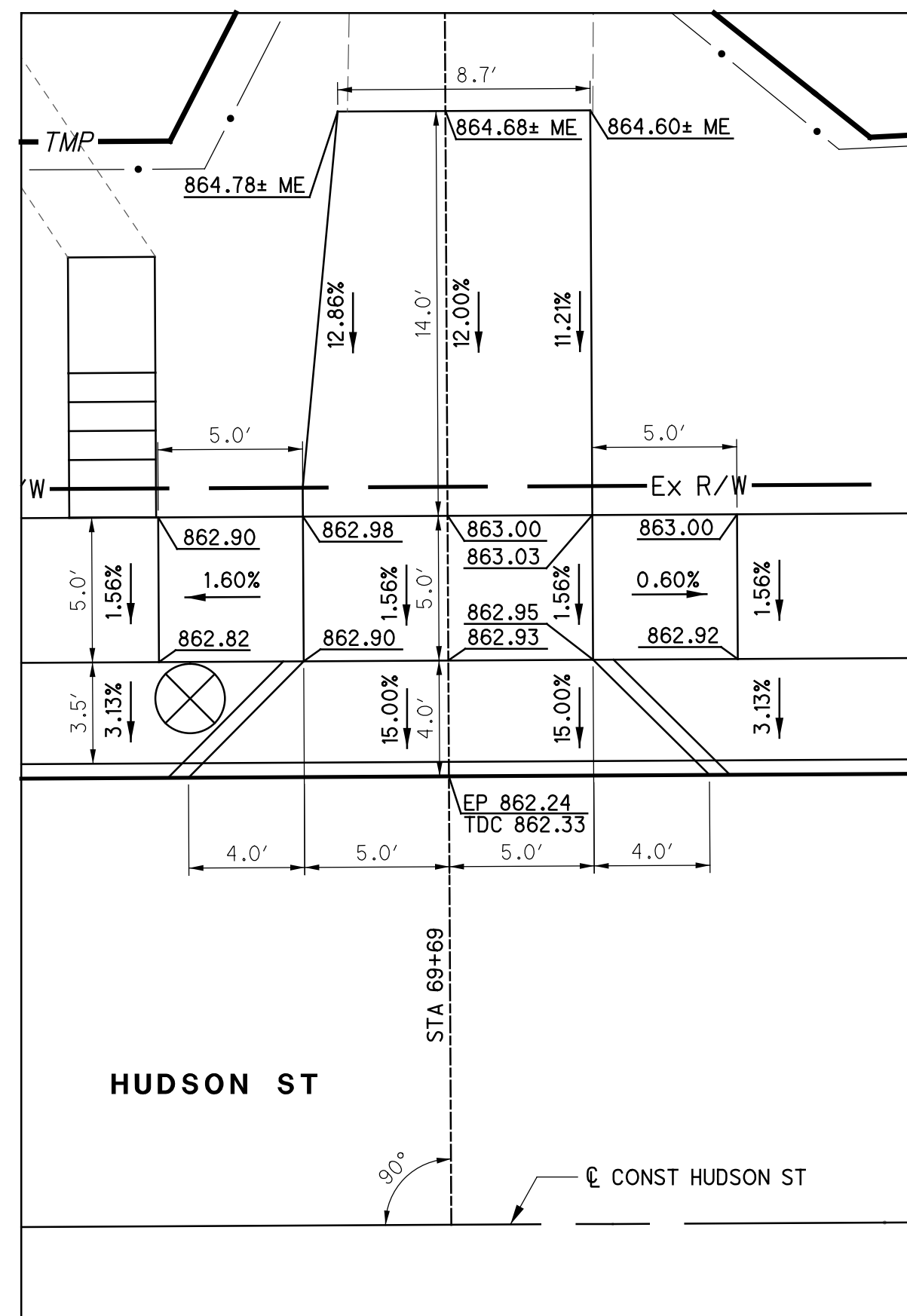


2.5' HORIZONTAL SCALE IN FEET

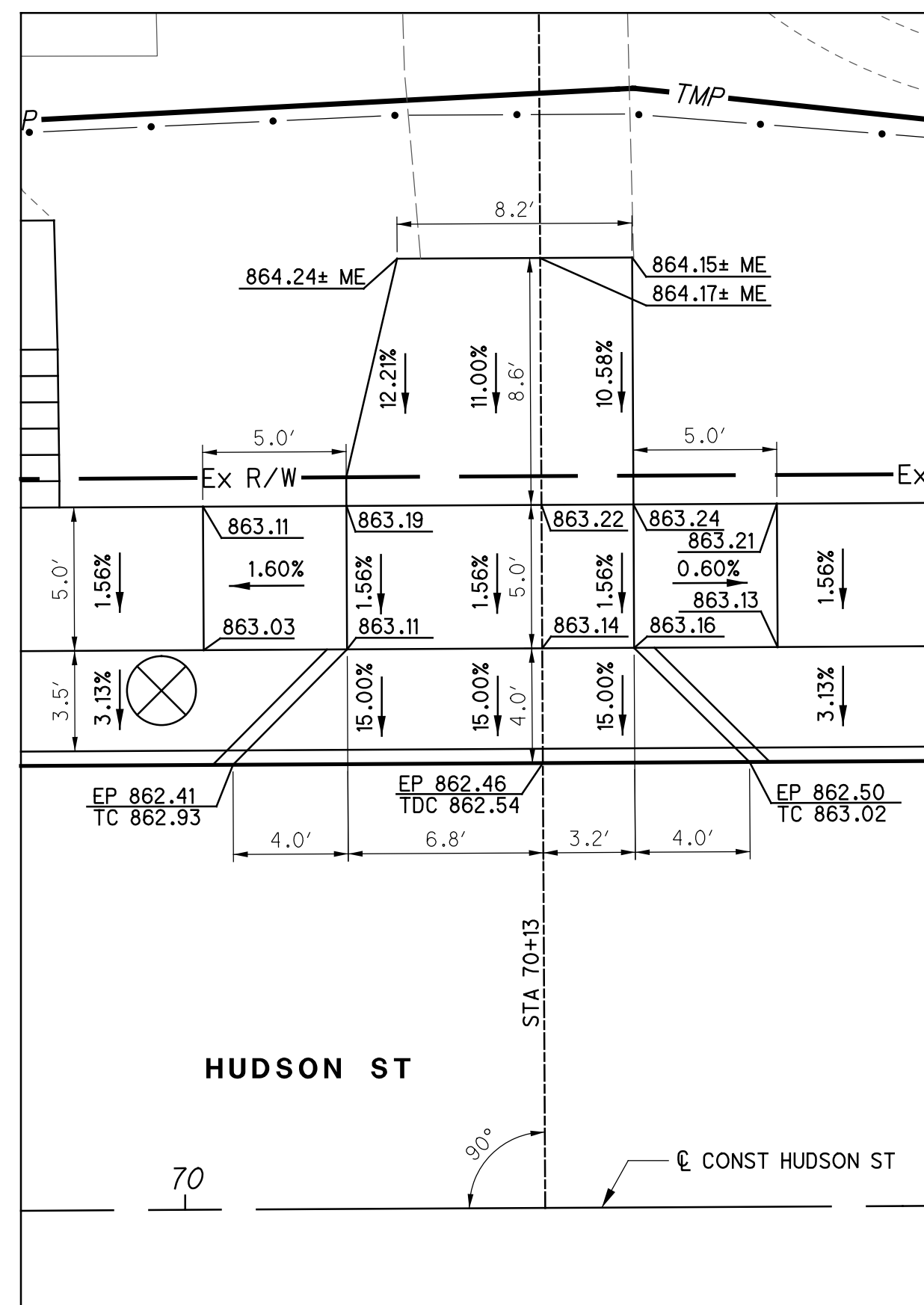
CALCULATED JRS  
CHECKED MWR

DRIVE DETAILS HUDSON ST

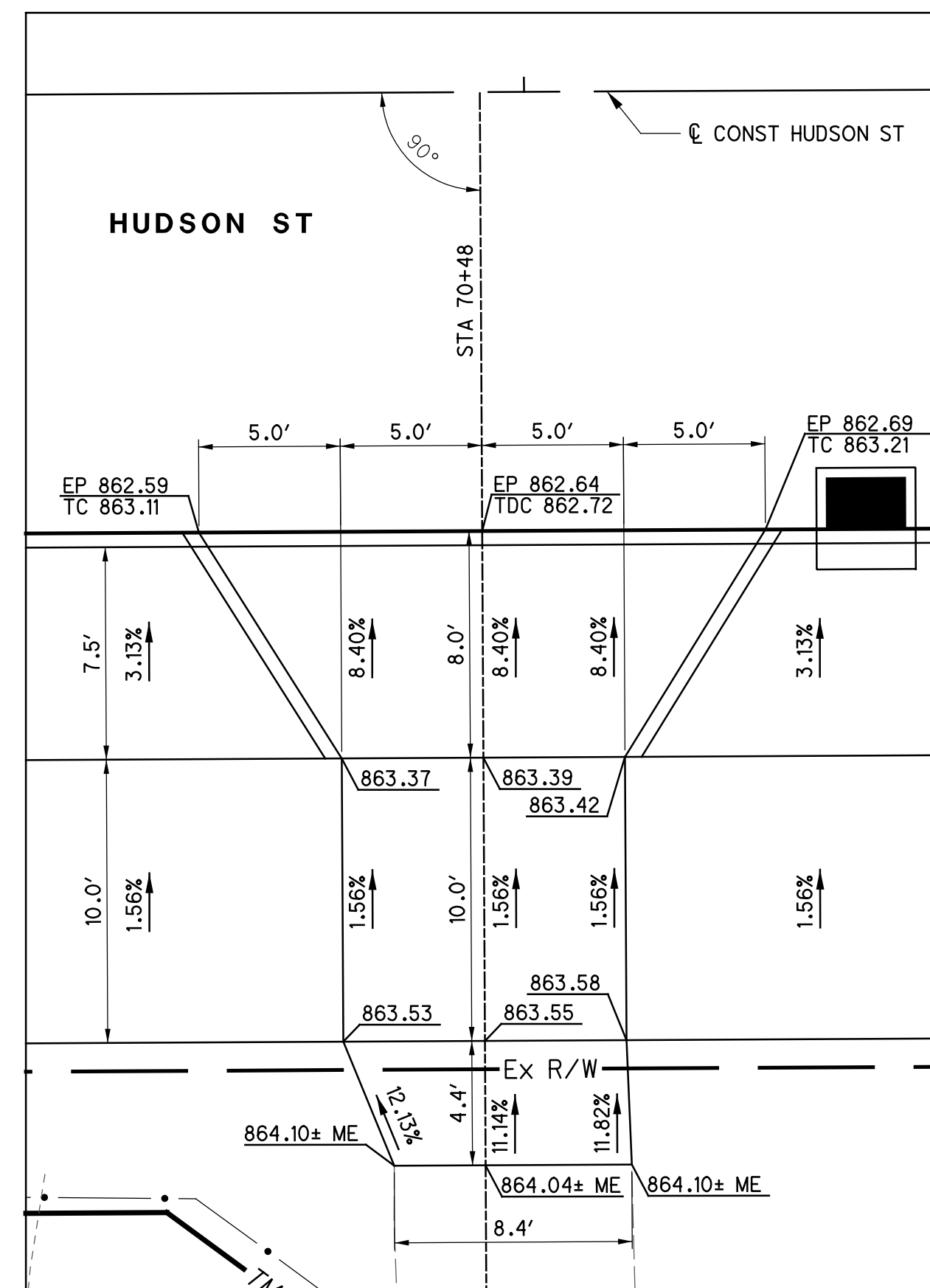
HUDSON ST



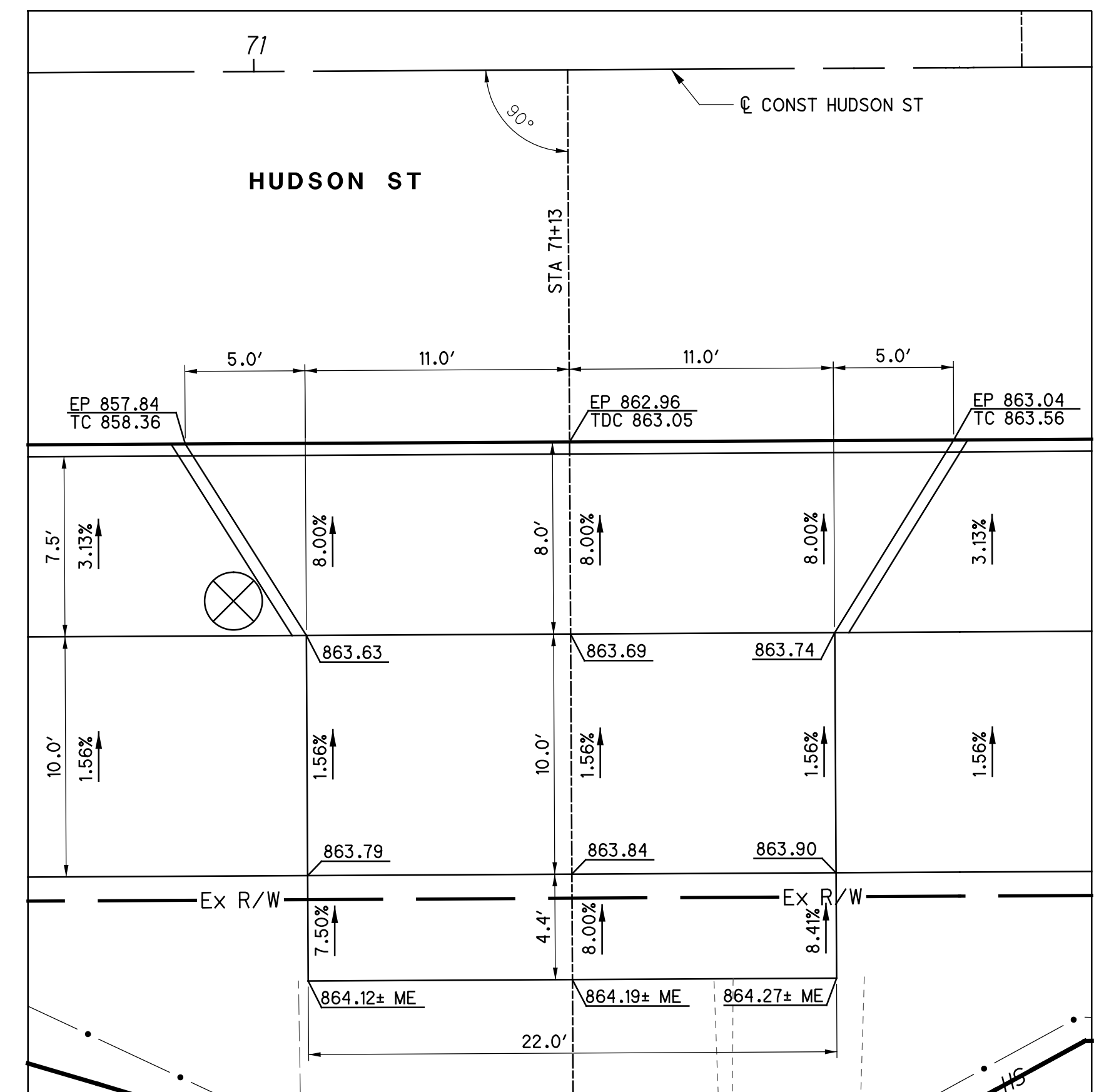
DRIVE DETAIL AT HUDSON ST STA 69+69 LT



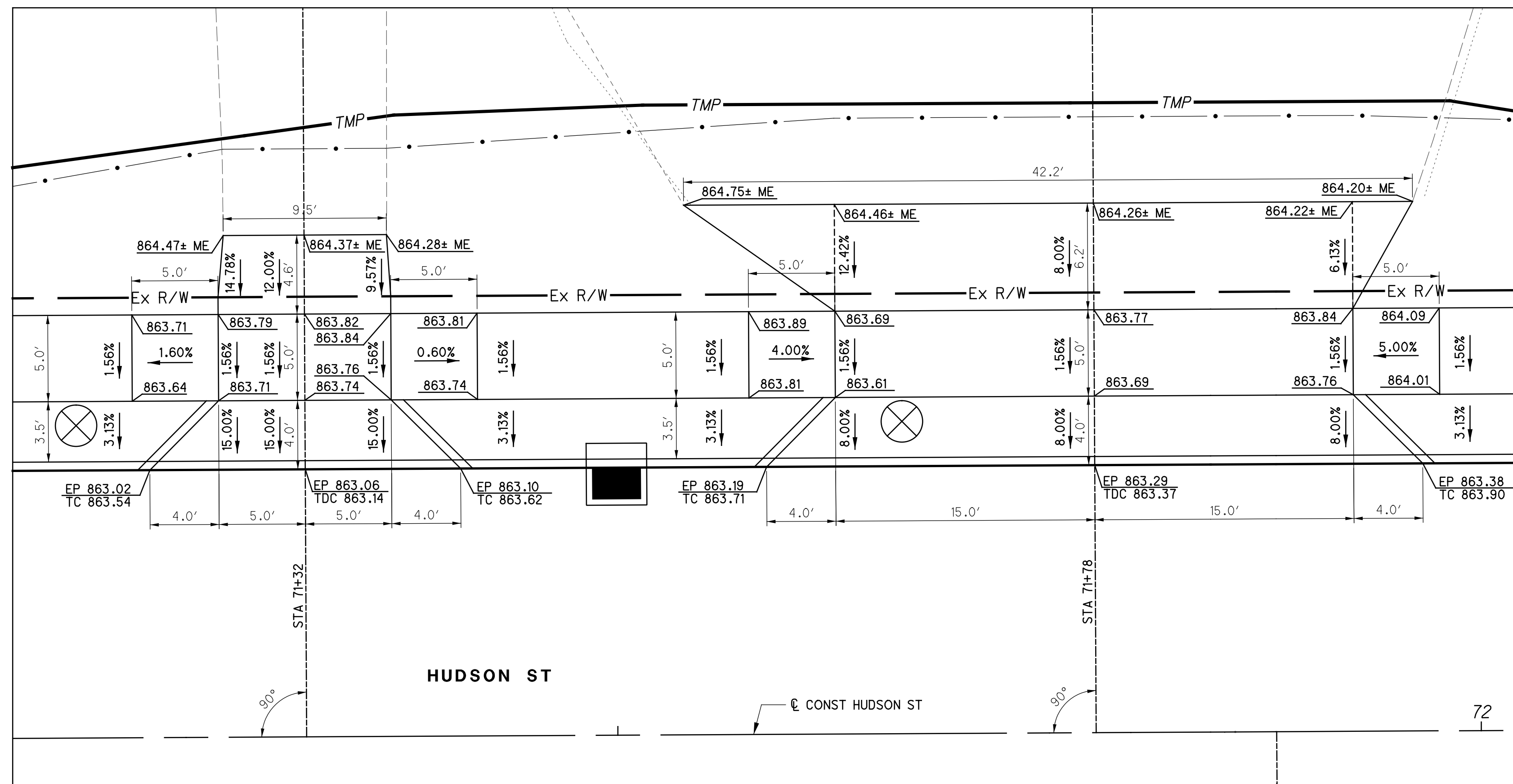
DRIVE DETAIL AT HUDSON ST STA 70+13 LT



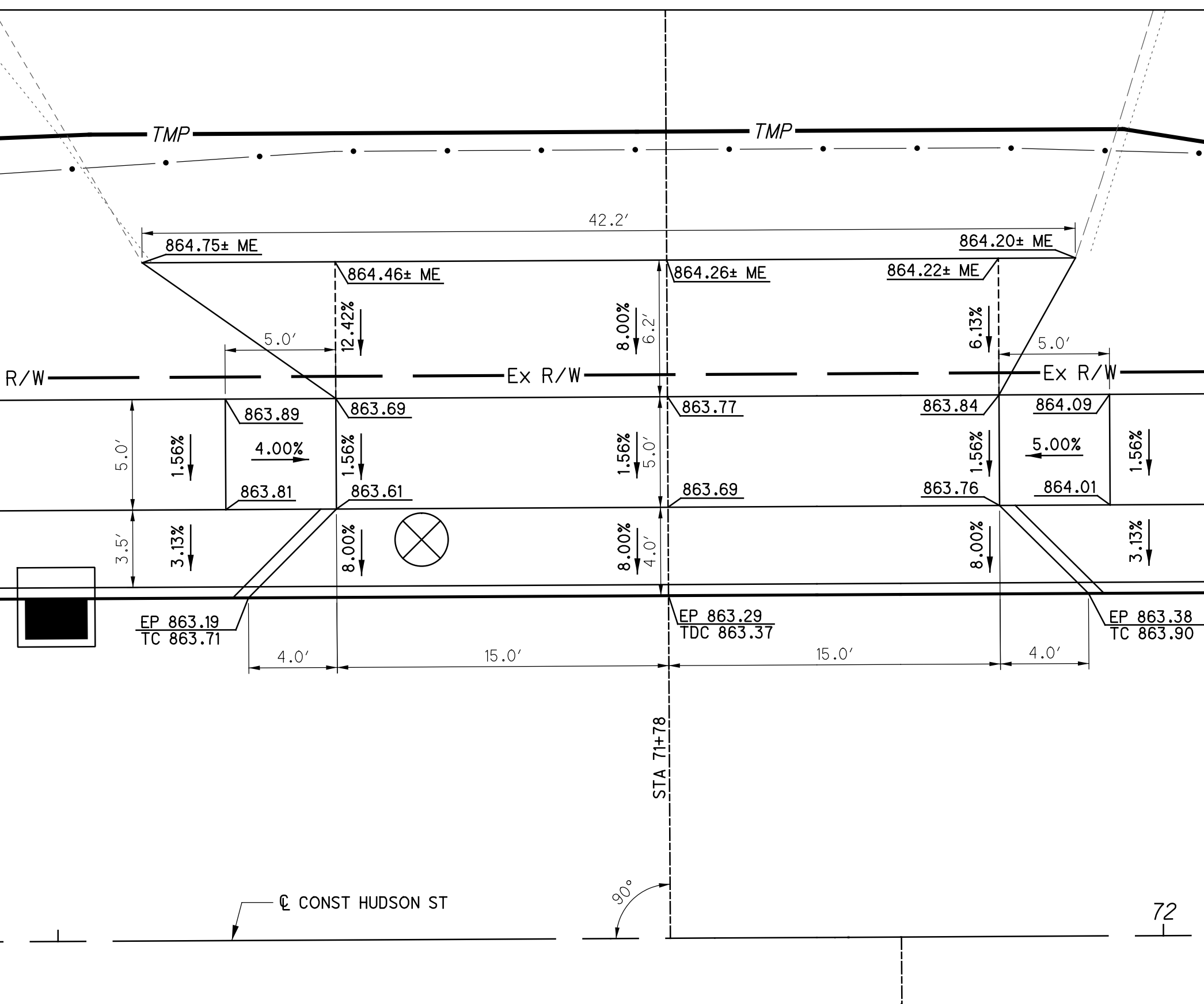
DRIVE DETAIL AT HUDSON ST STA 70+48 RT



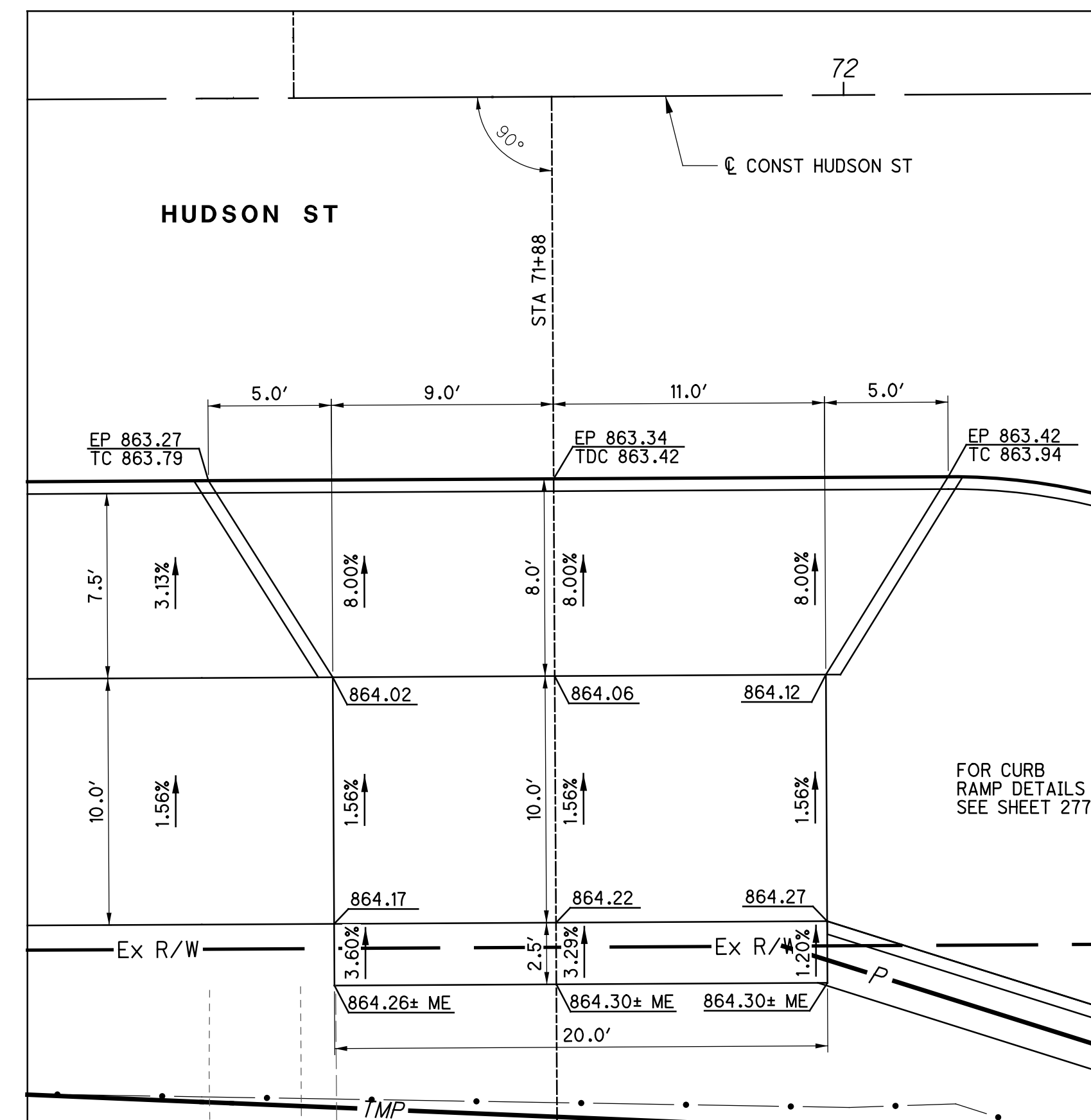
DRIVE DETAIL AT HUDSON ST STA 71+13 RT



DRIVE DETAIL AT HUDSON ST STA 71+32 LT



DRIVE DETAIL AT HUDSON ST STA 71+78 LT

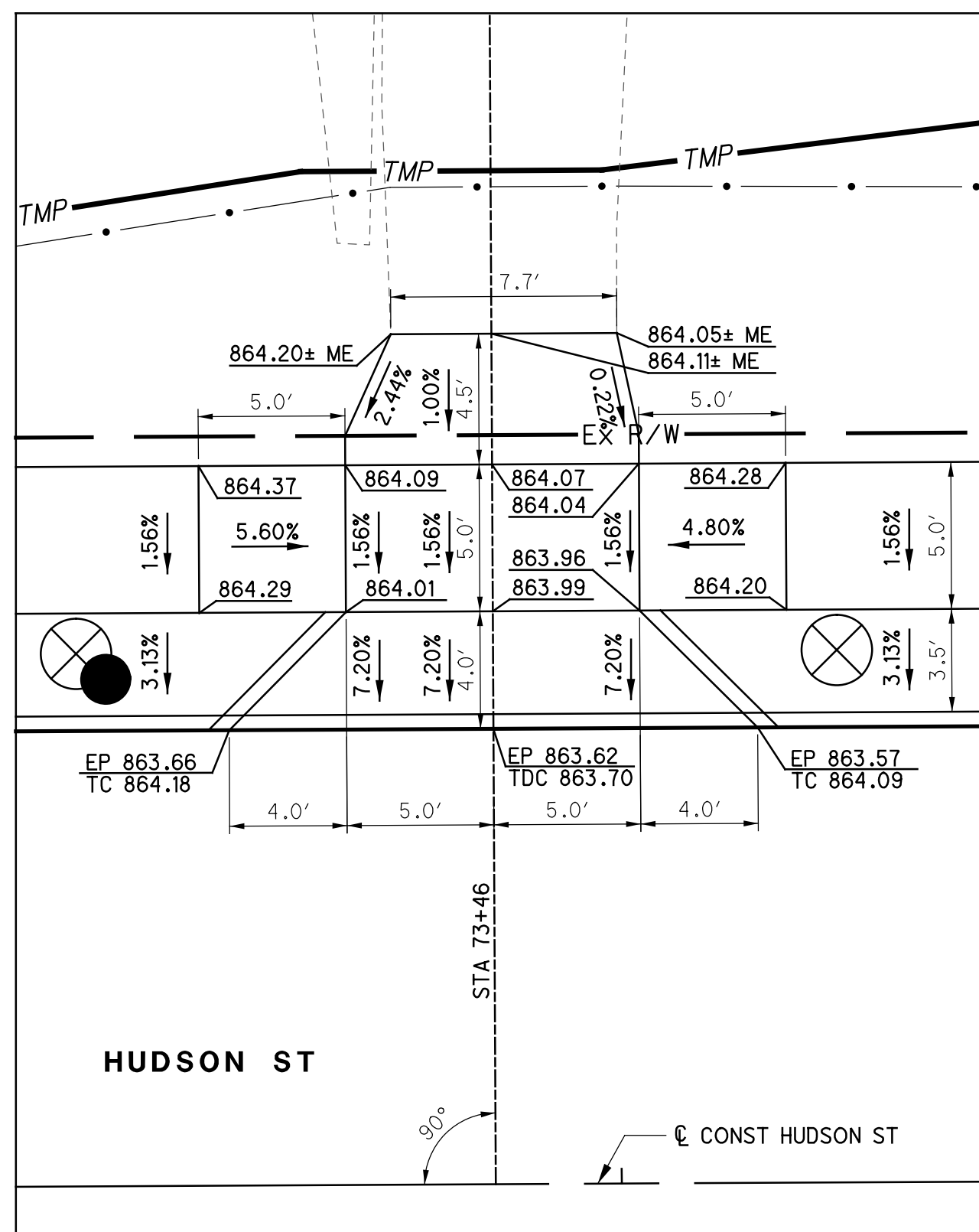


DRIVE DETAIL AT HUDSON ST STA 71+88 RT

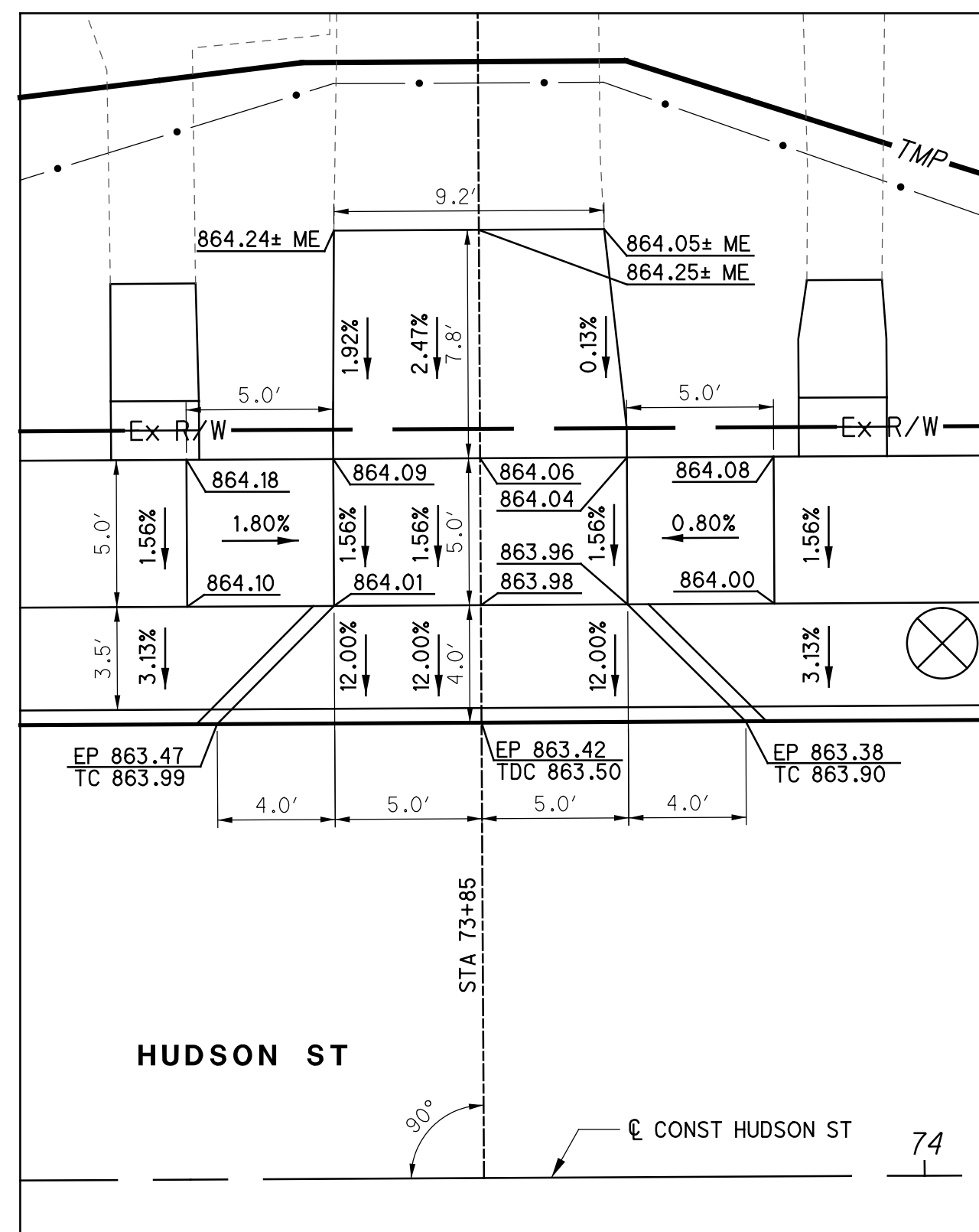
LEGEND  
TC = TOP OF CURB  
TDC = TOP OF DROPPED CURB  
EP = EDGE OF PAVEMENT  
ME = MATCH EXISTING



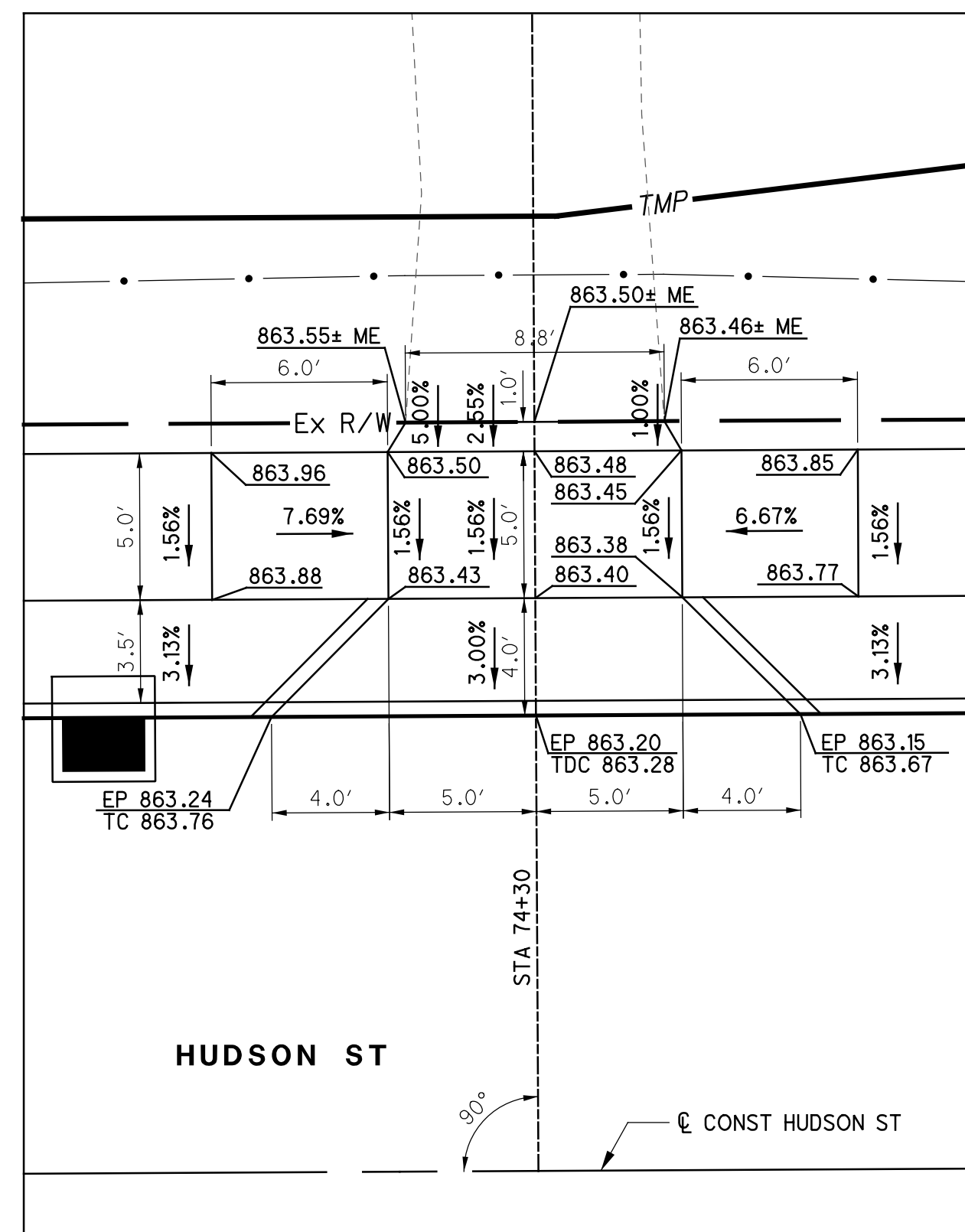
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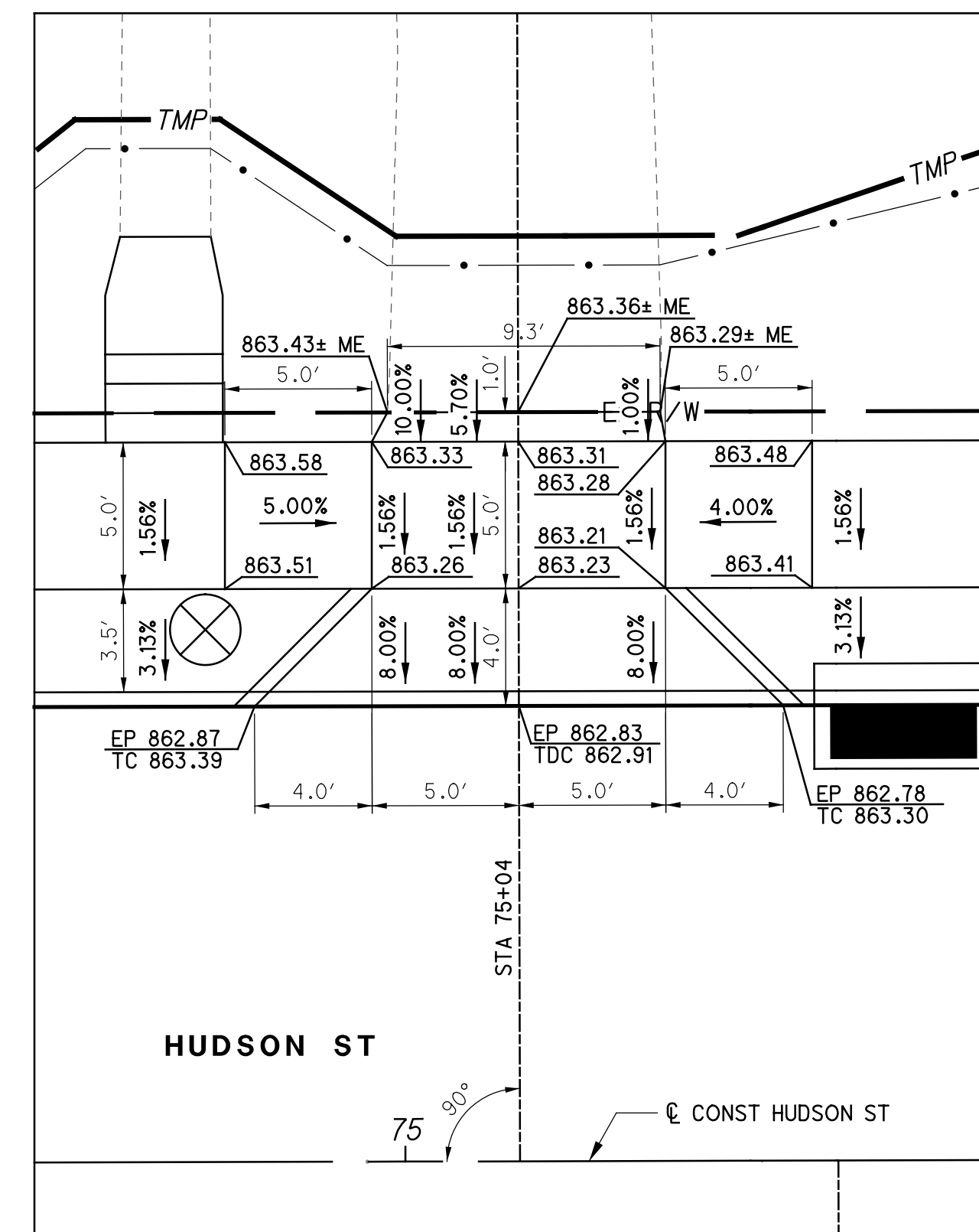
DRIVE DETAIL AT HUDSON ST STA 73+46 LT



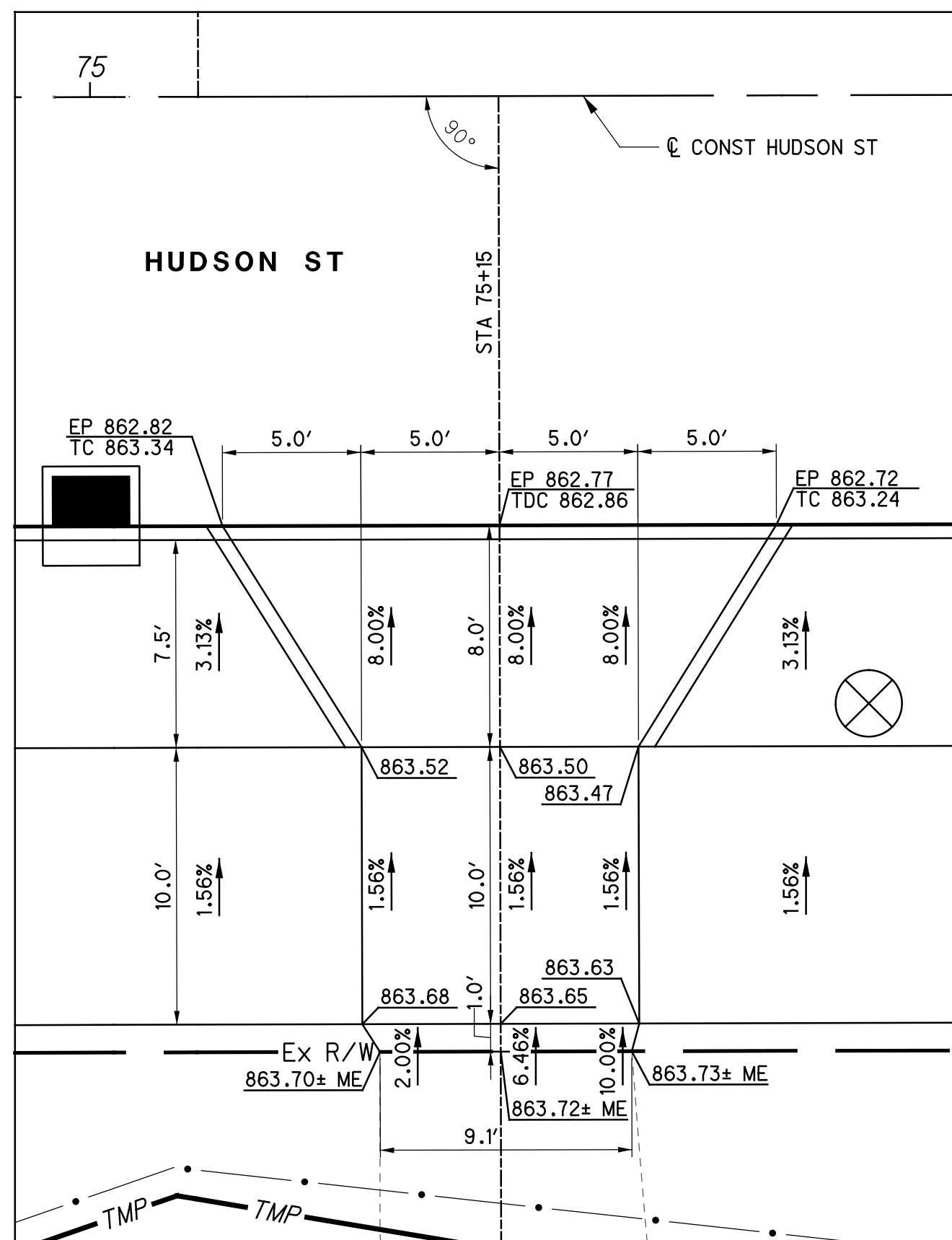
DRIVE DETAIL AT HUDSON ST STA 73+85 LT



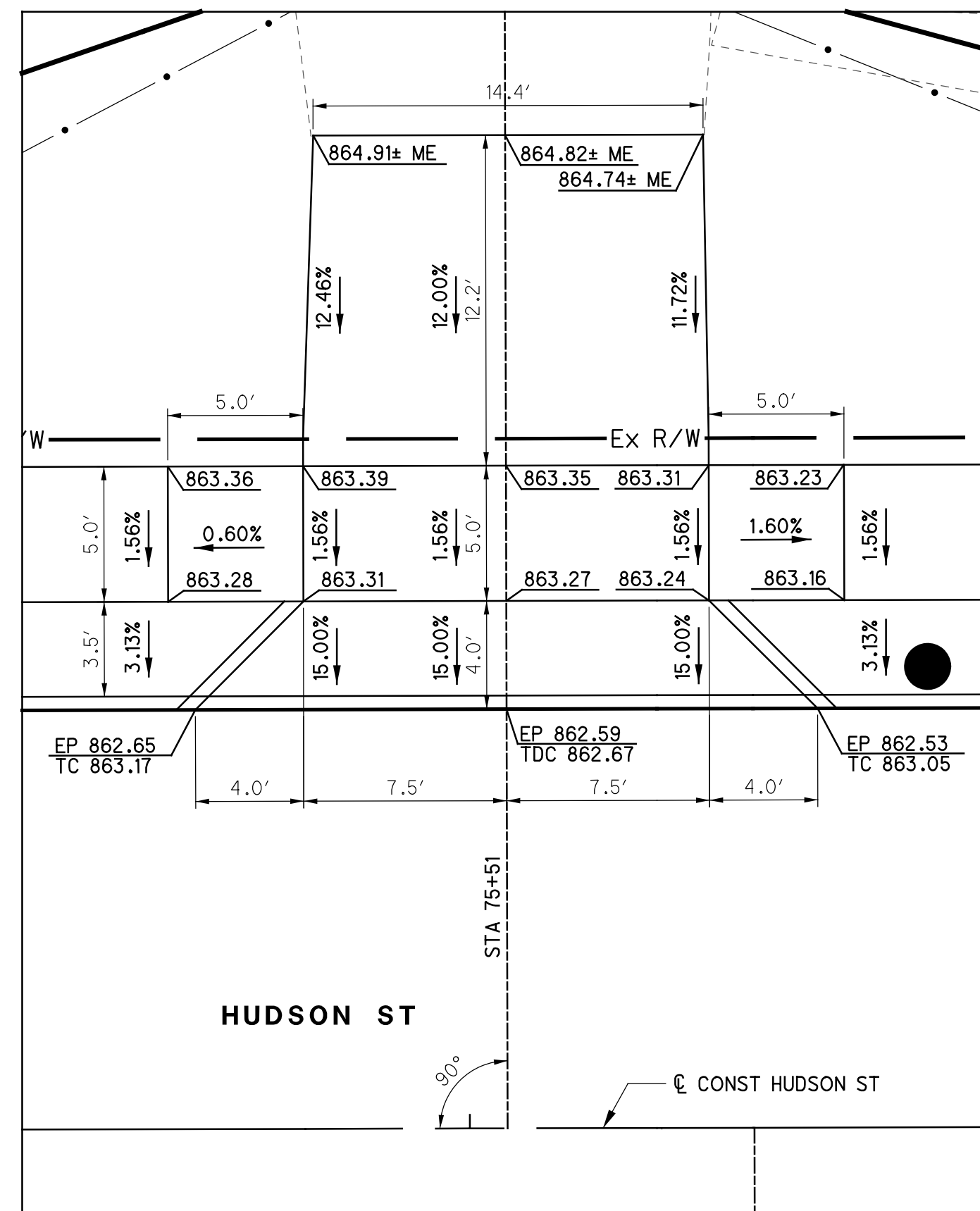
DRIVE DETAIL AT HUDSON ST STA 74+30 LT



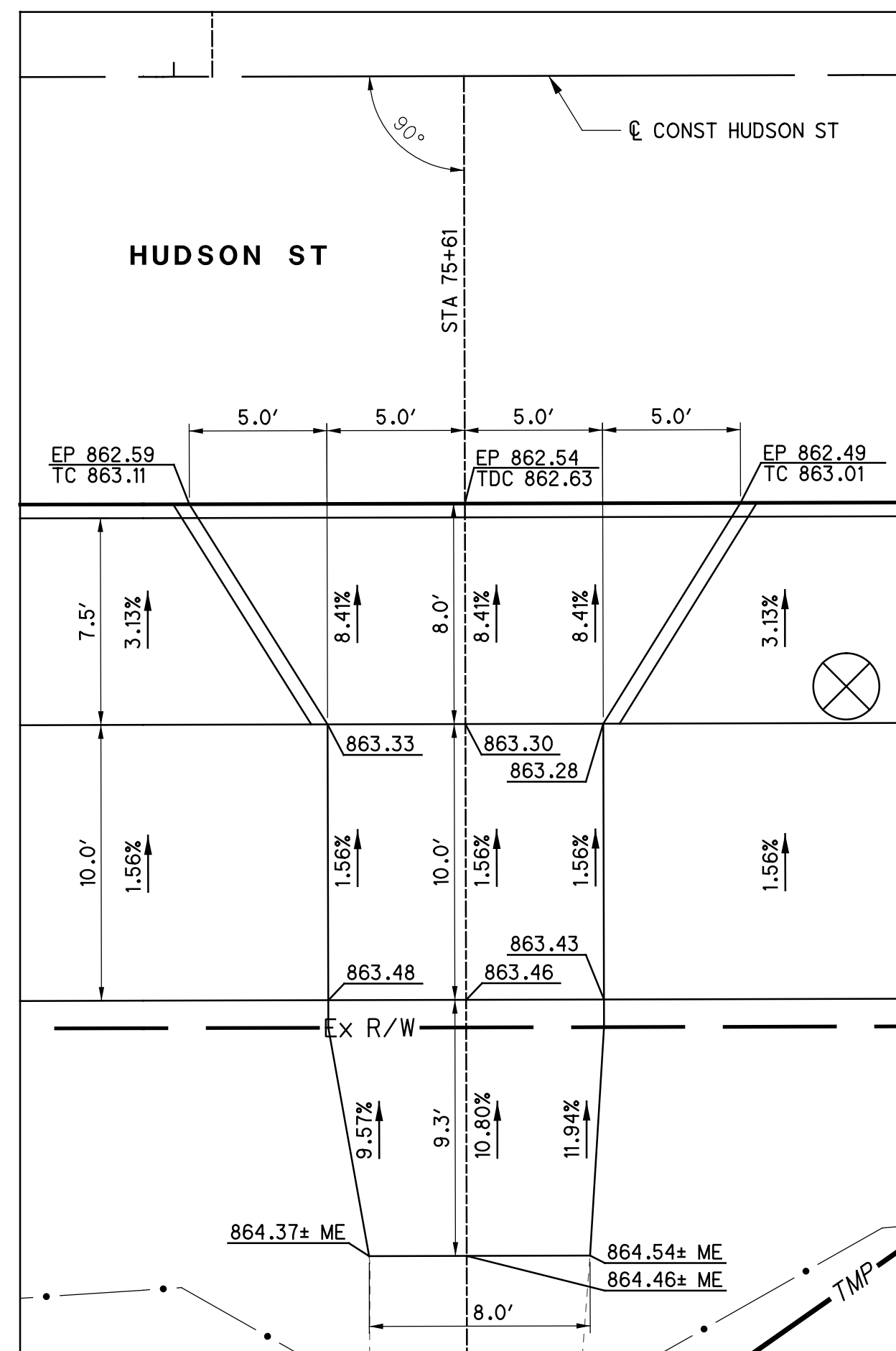
DRIVE DETAIL AT HUDSON ST STA 75+04 LT



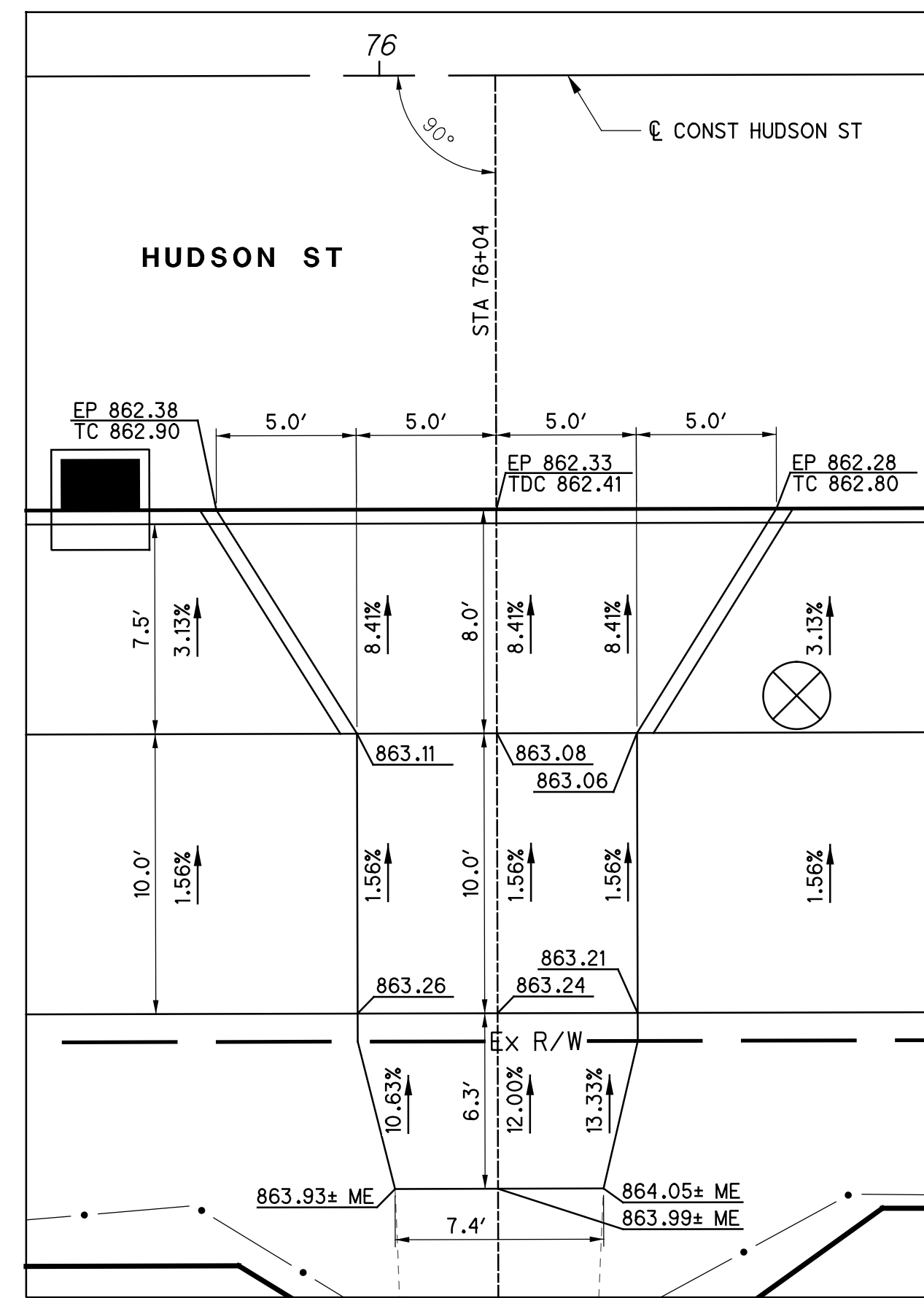
DRIVE DETAIL AT HUDSON ST STA 75+15 RT



DRIVE DETAIL AT HUDSON ST STA 75+51 LT

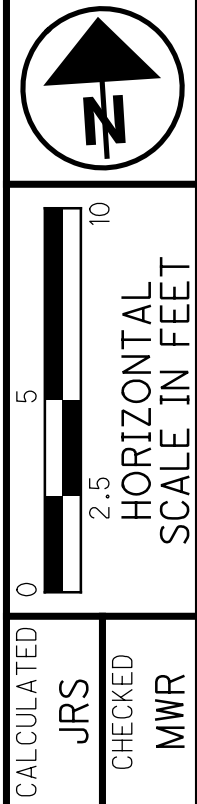


DRIVE DETAIL AT HUDSON ST STA 75+61 RT



DRIVE DETAIL AT HUDSON ST STA 76+04 RT

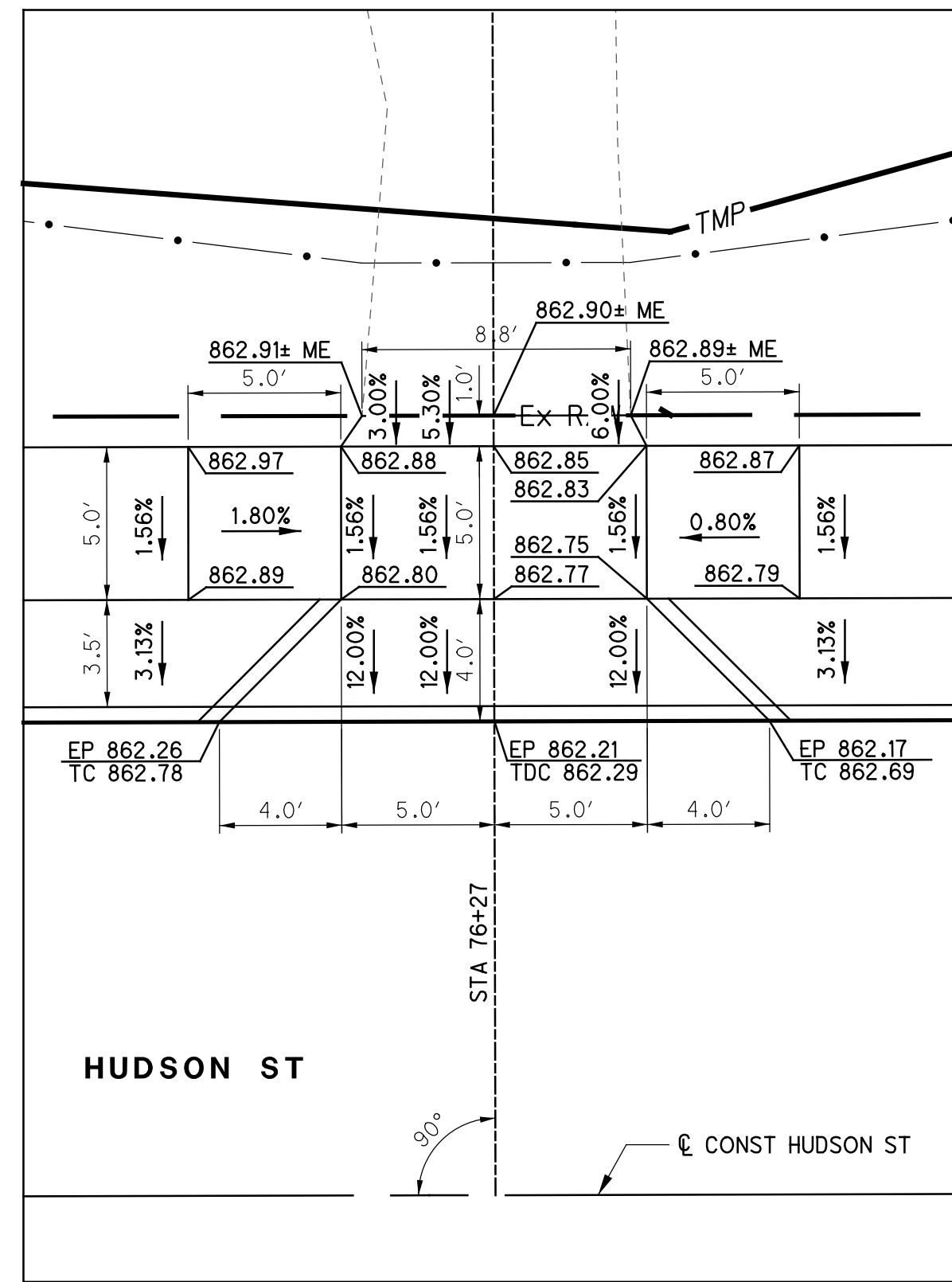
LEGEND  
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 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING



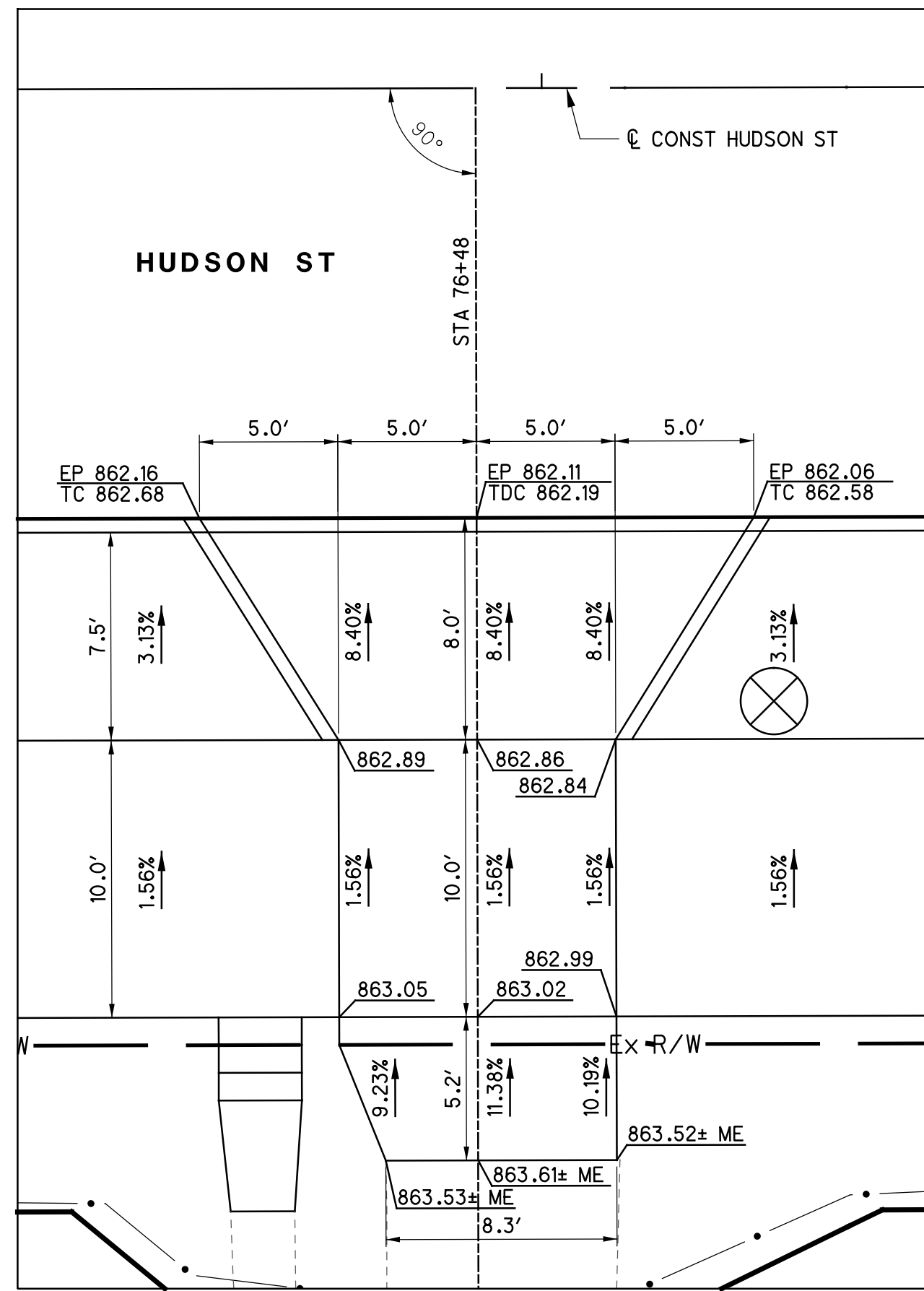
DRIVE DETAILS  
 HUDSON ST

HUDSON ST

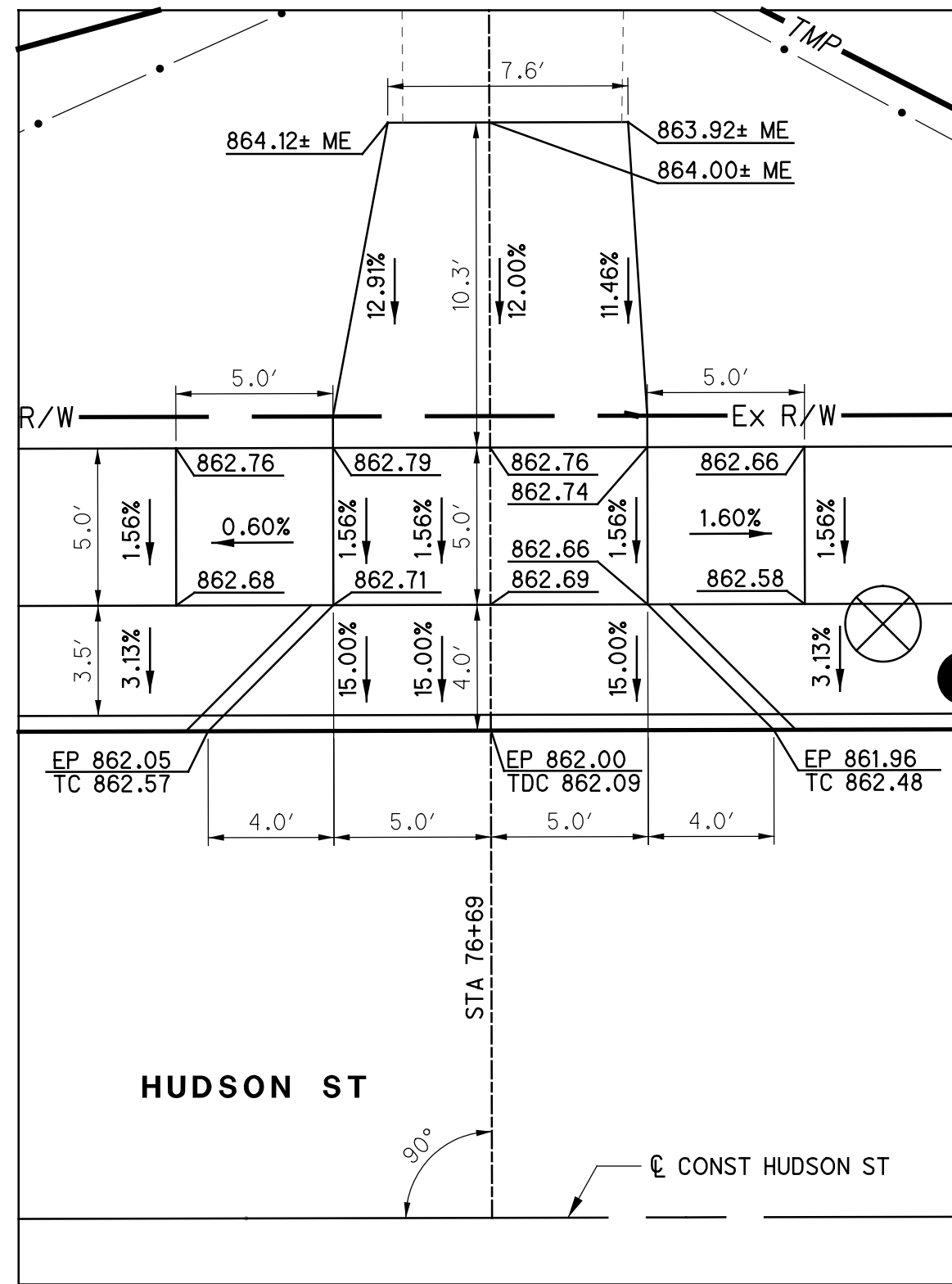
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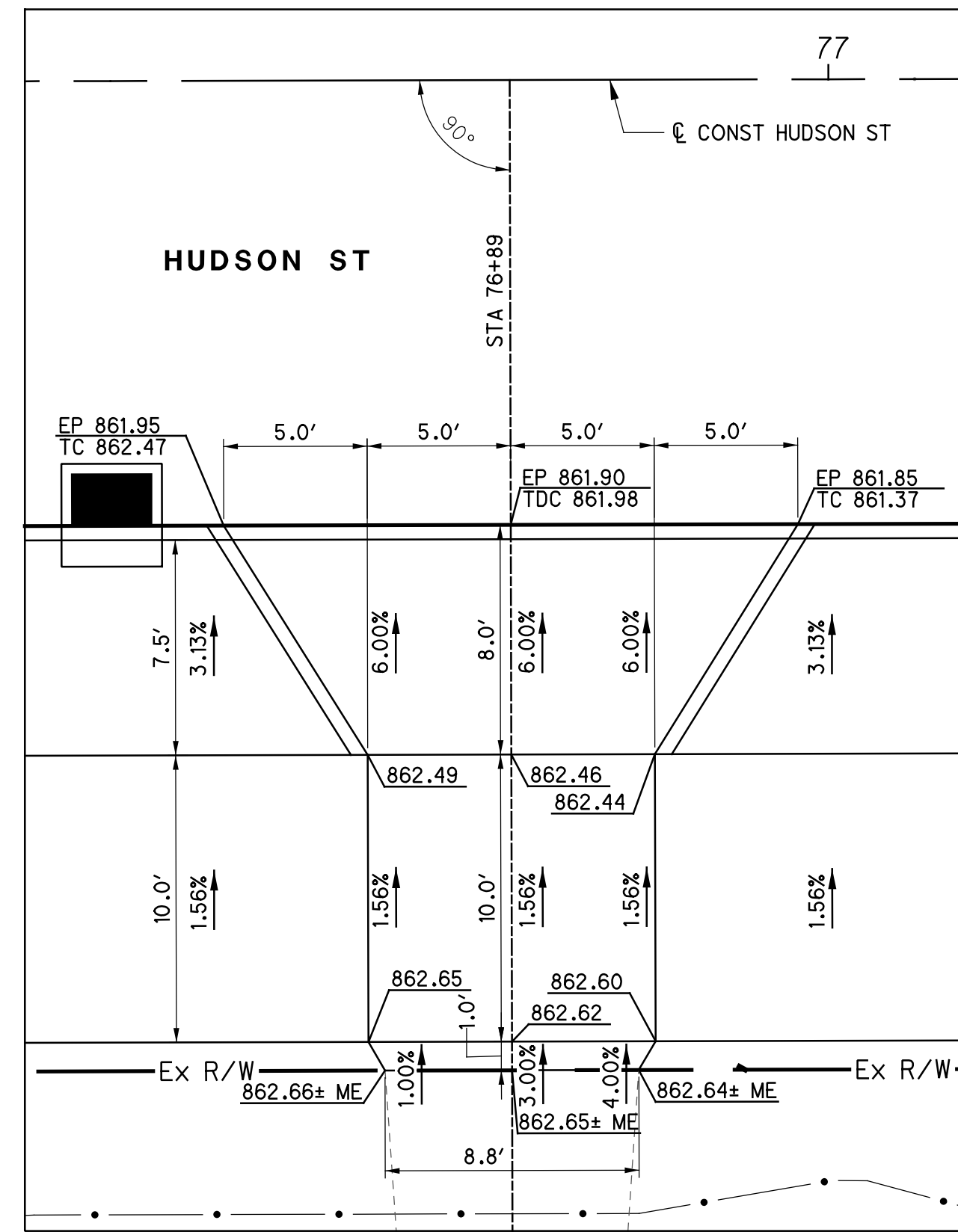
DRIVE DETAIL AT HUDSON ST STA 76+27 LT



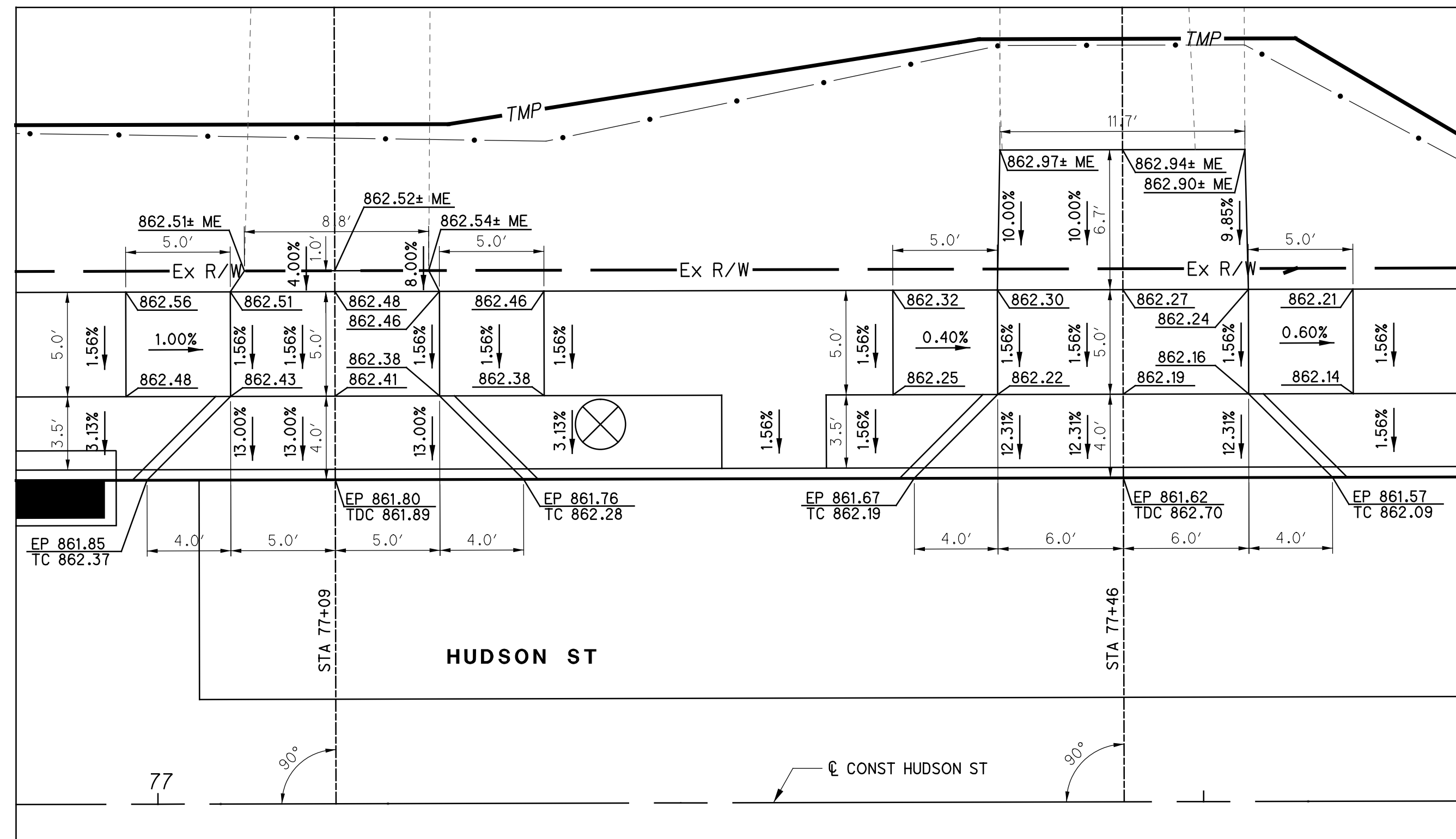
DRIVE DETAIL AT HUDSON ST STA 76+48 RT



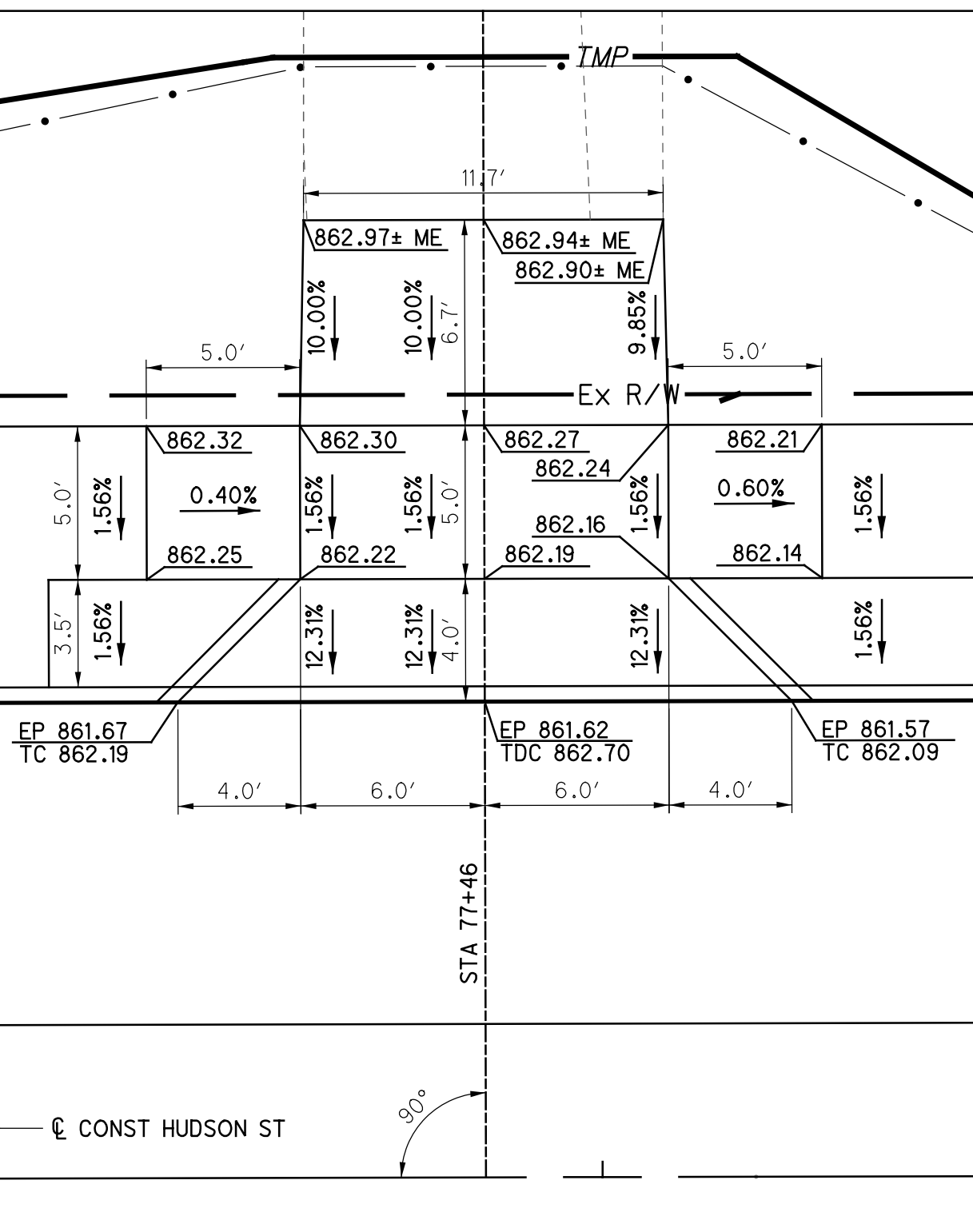
DRIVE DETAIL AT HUDSON ST STA 76+69 LT



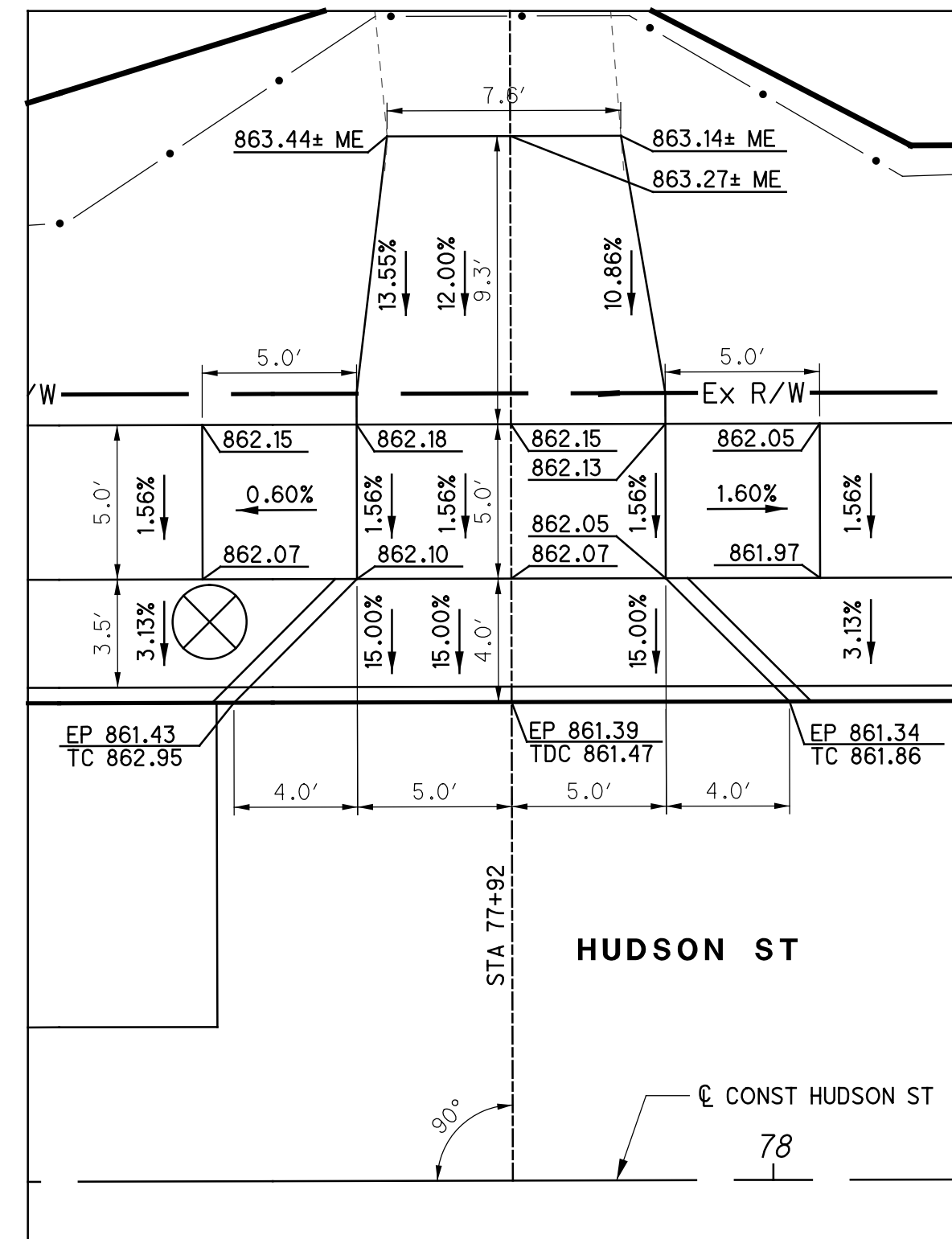
DRIVE DETAIL AT HUDSON ST STA 76+89 RT



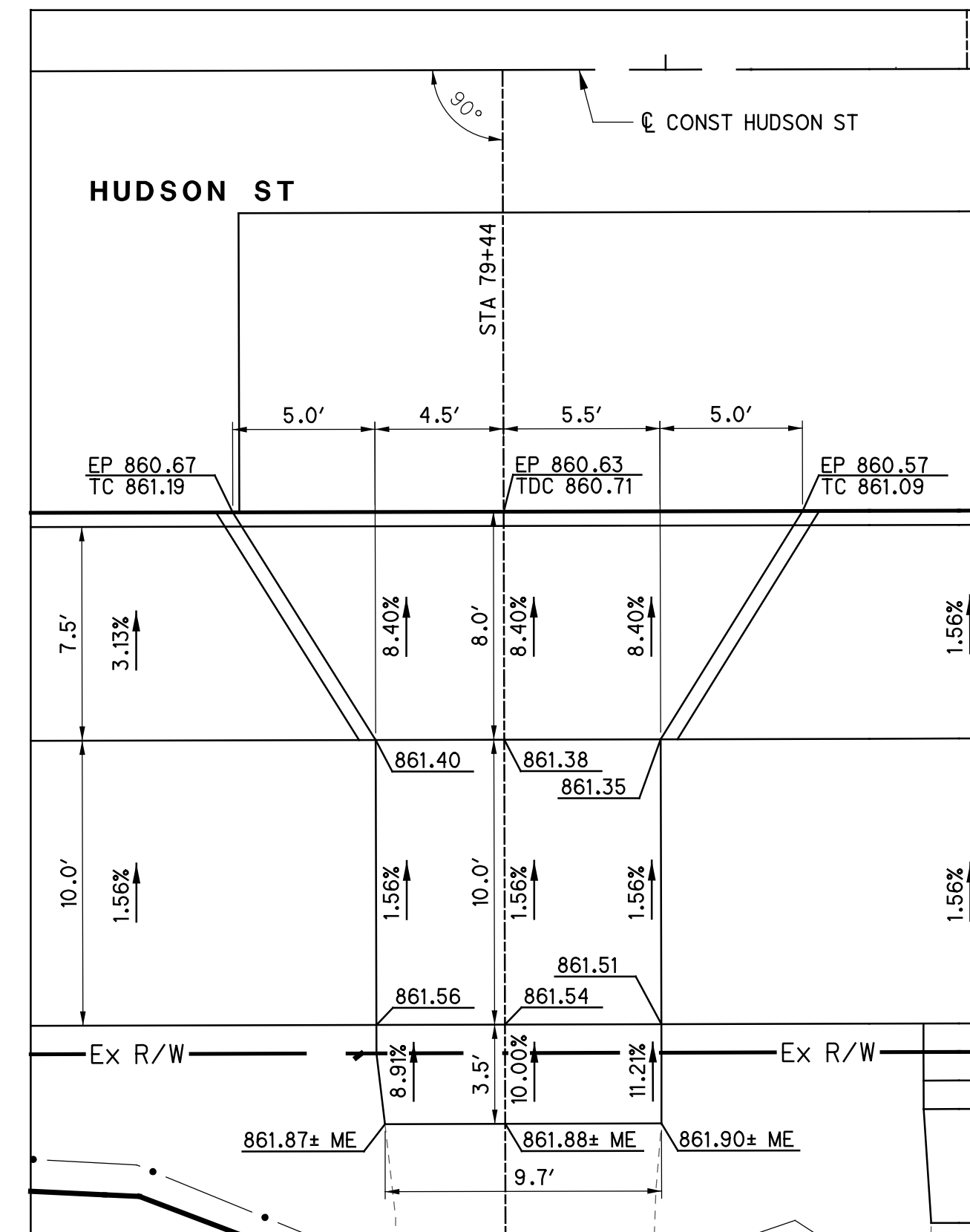
DRIVE DETAIL AT HUDSON ST STA 77+09 LT



DRIVE DETAIL AT HUDSON ST STA 77+46 LT

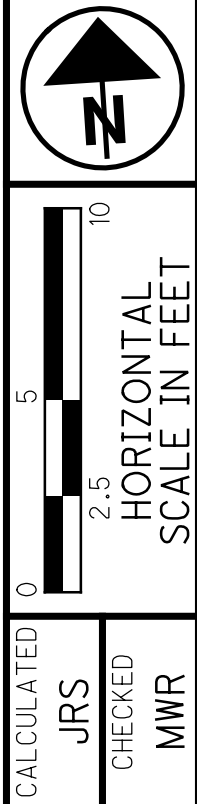


DRIVE DETAIL AT HUDSON ST STA 77+92 LT



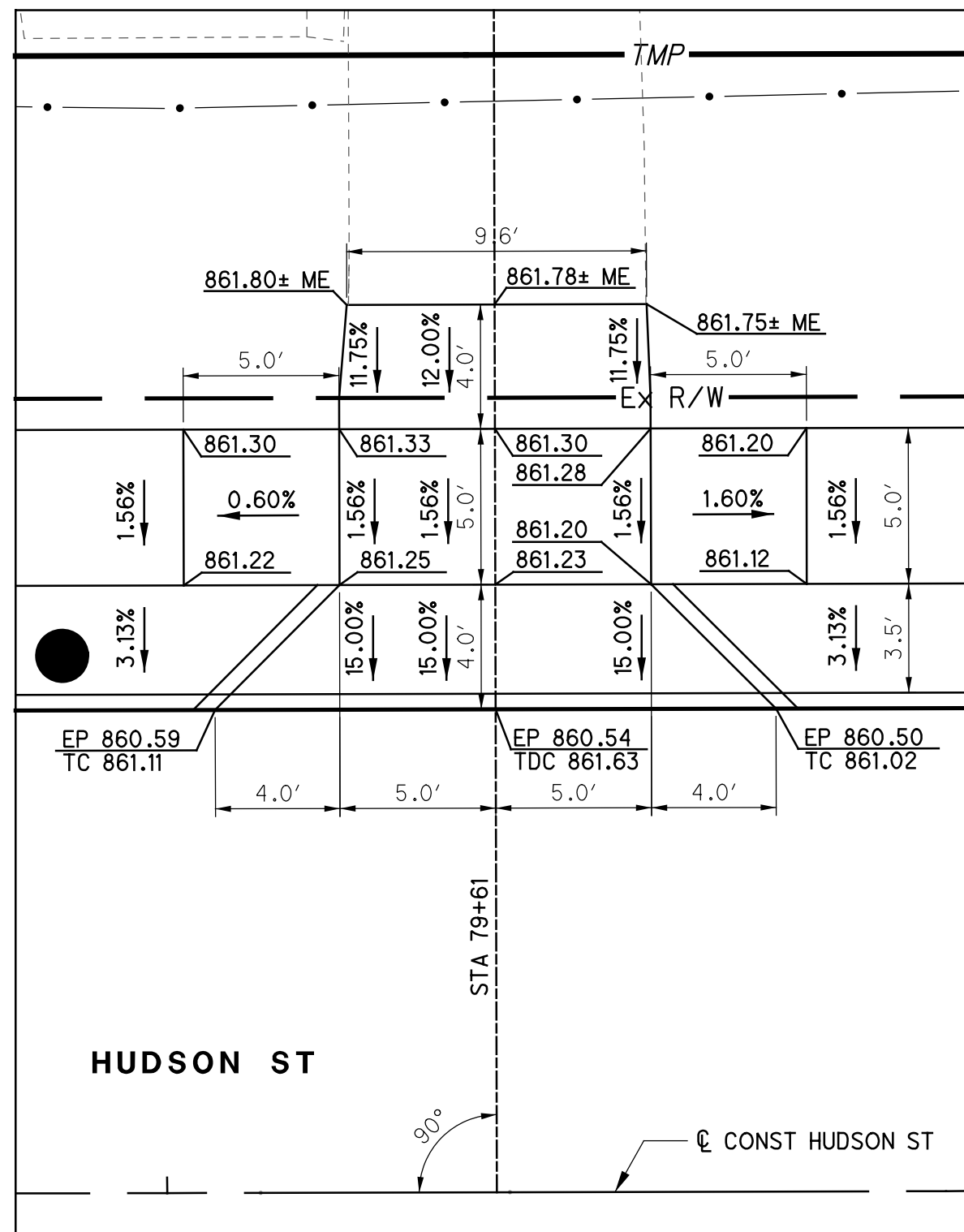
DRIVE DETAIL AT HUDSON ST STA 79+44 RT

LEGEND  
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 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

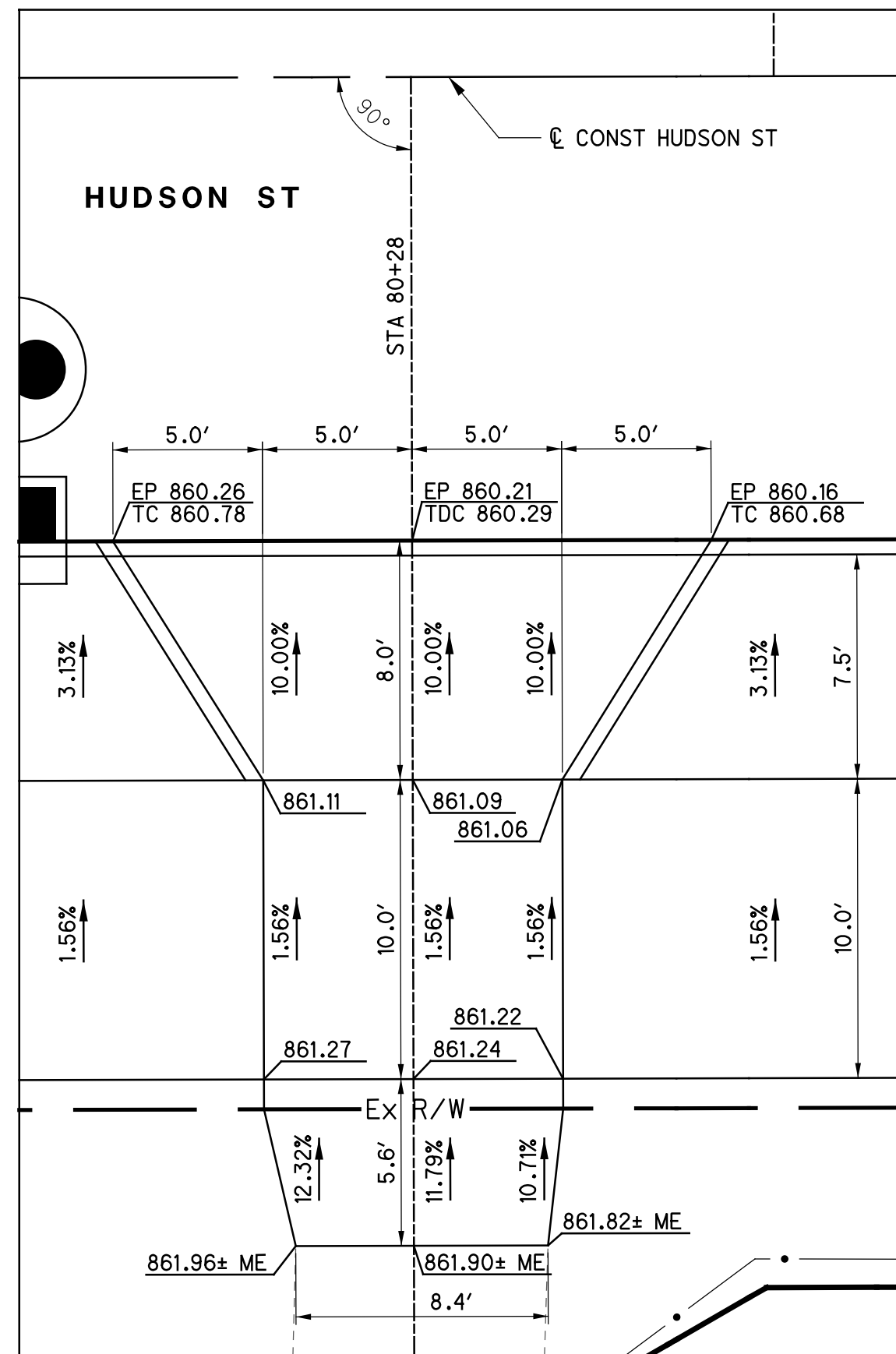


DRIVE DETAILS  
 HUDSON ST

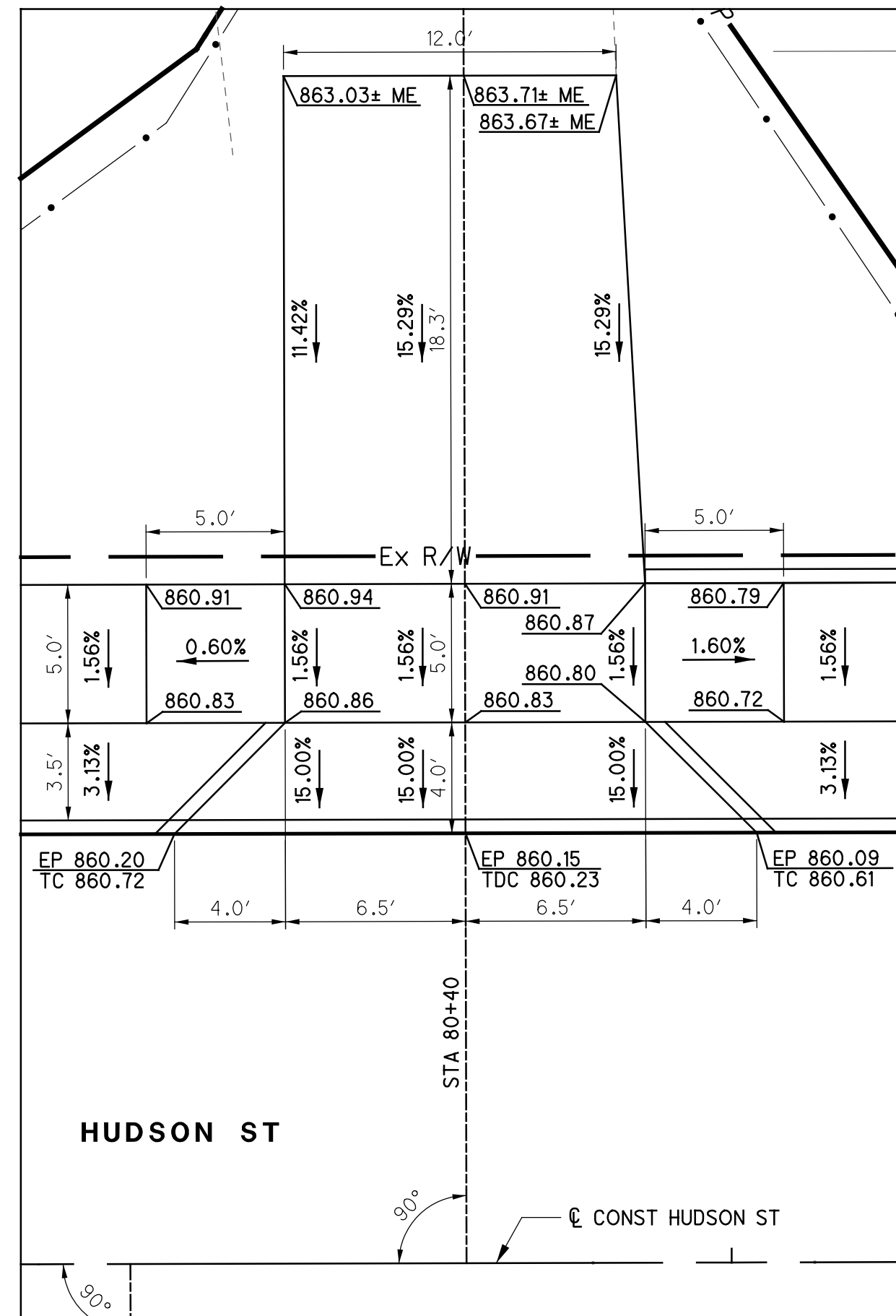
HUDSON ST



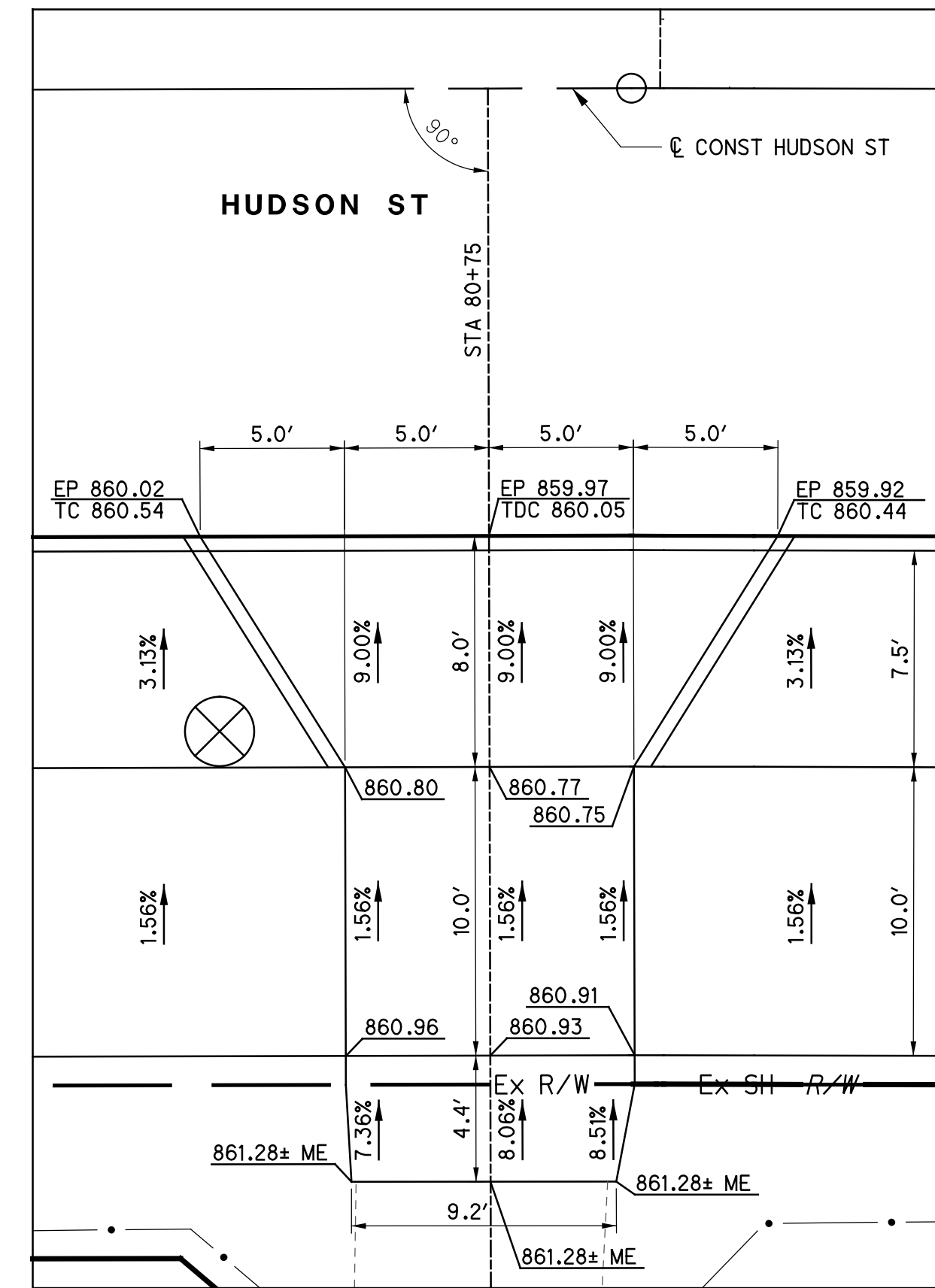
DRIVE DETAIL AT HUDSON ST STA 79+61 LT



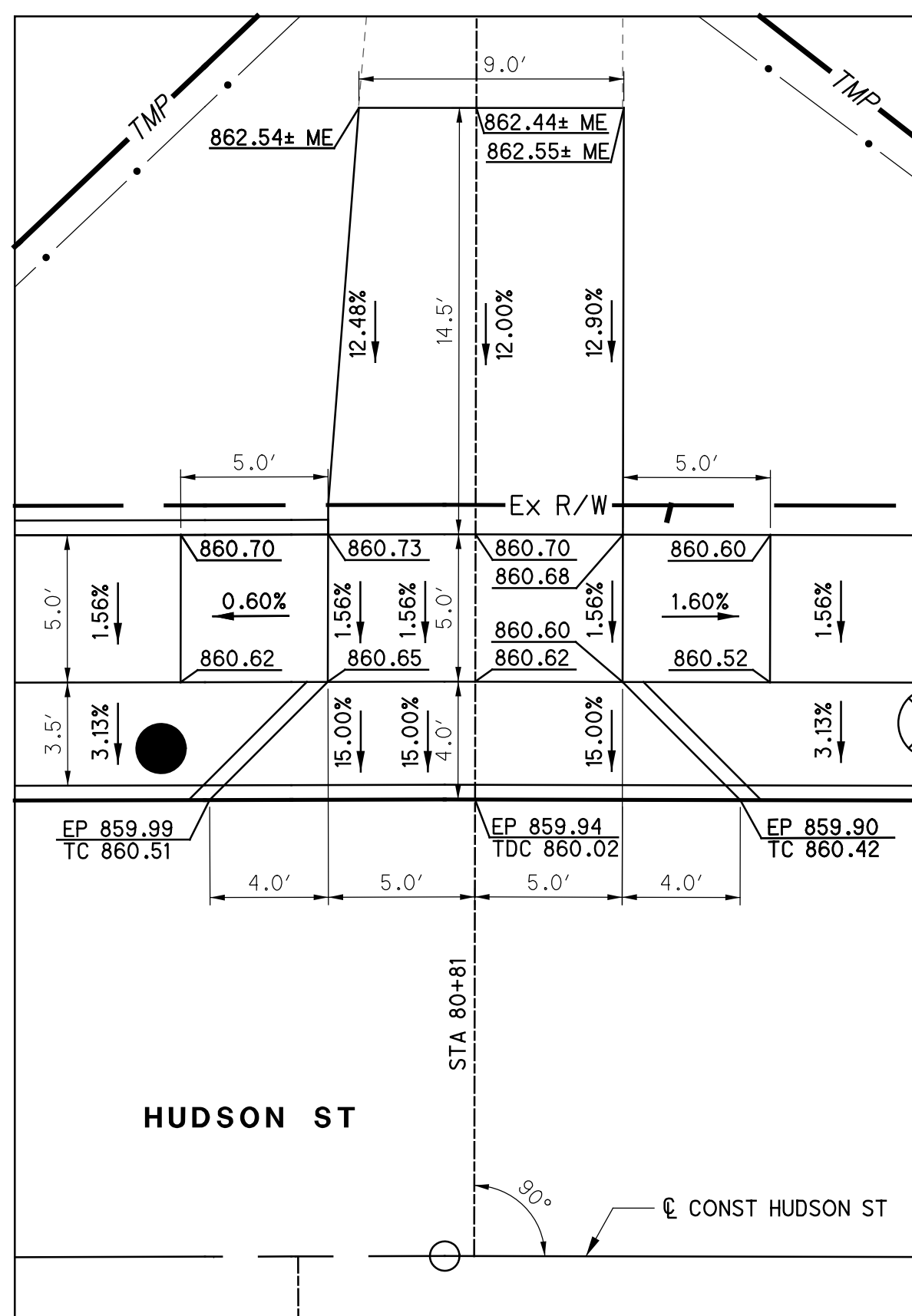
DRIVE DETAIL AT HUDSON ST STA 80+28 RT



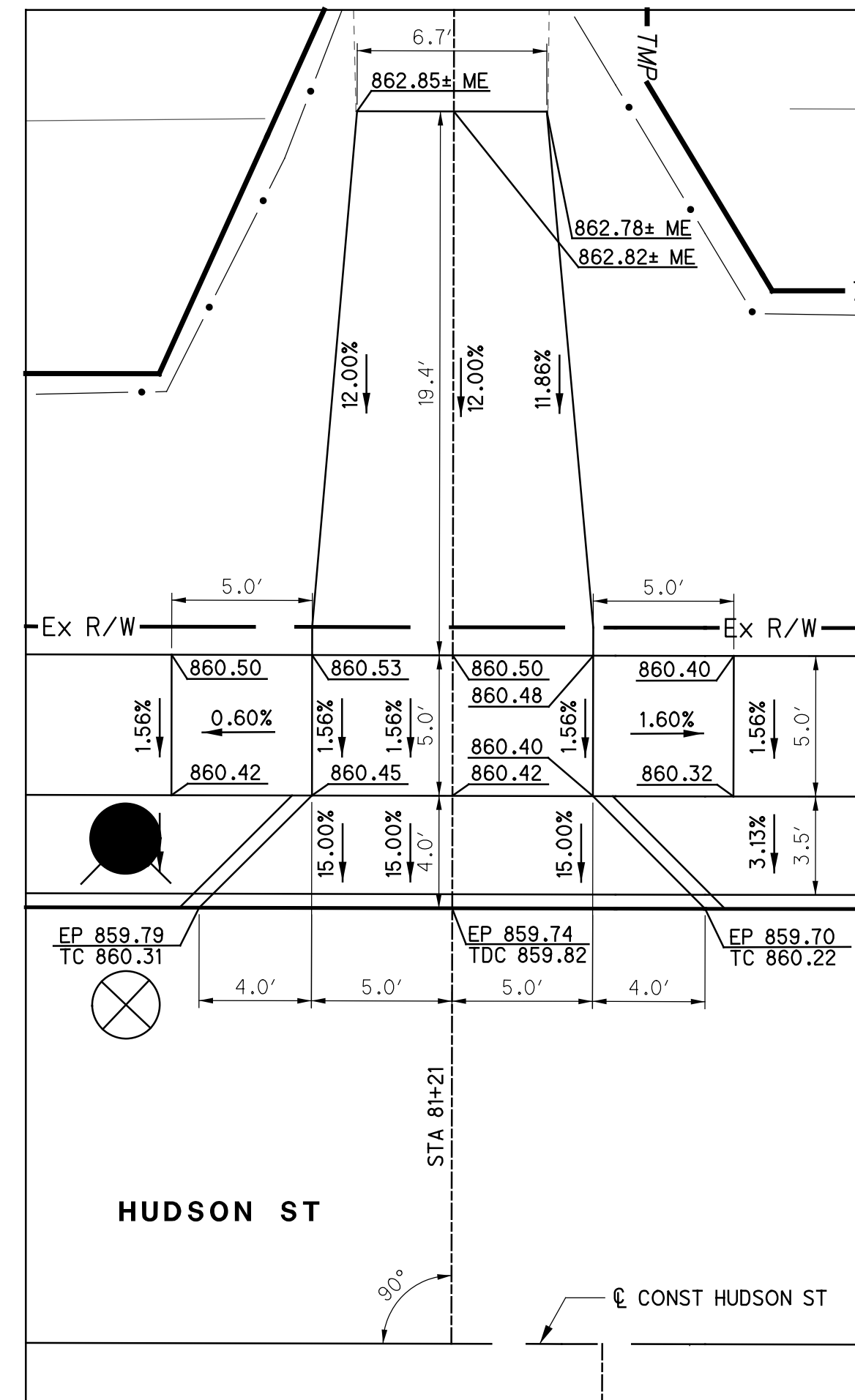
DRIVE DETAIL AT HUDSON ST STA 80+40 LT



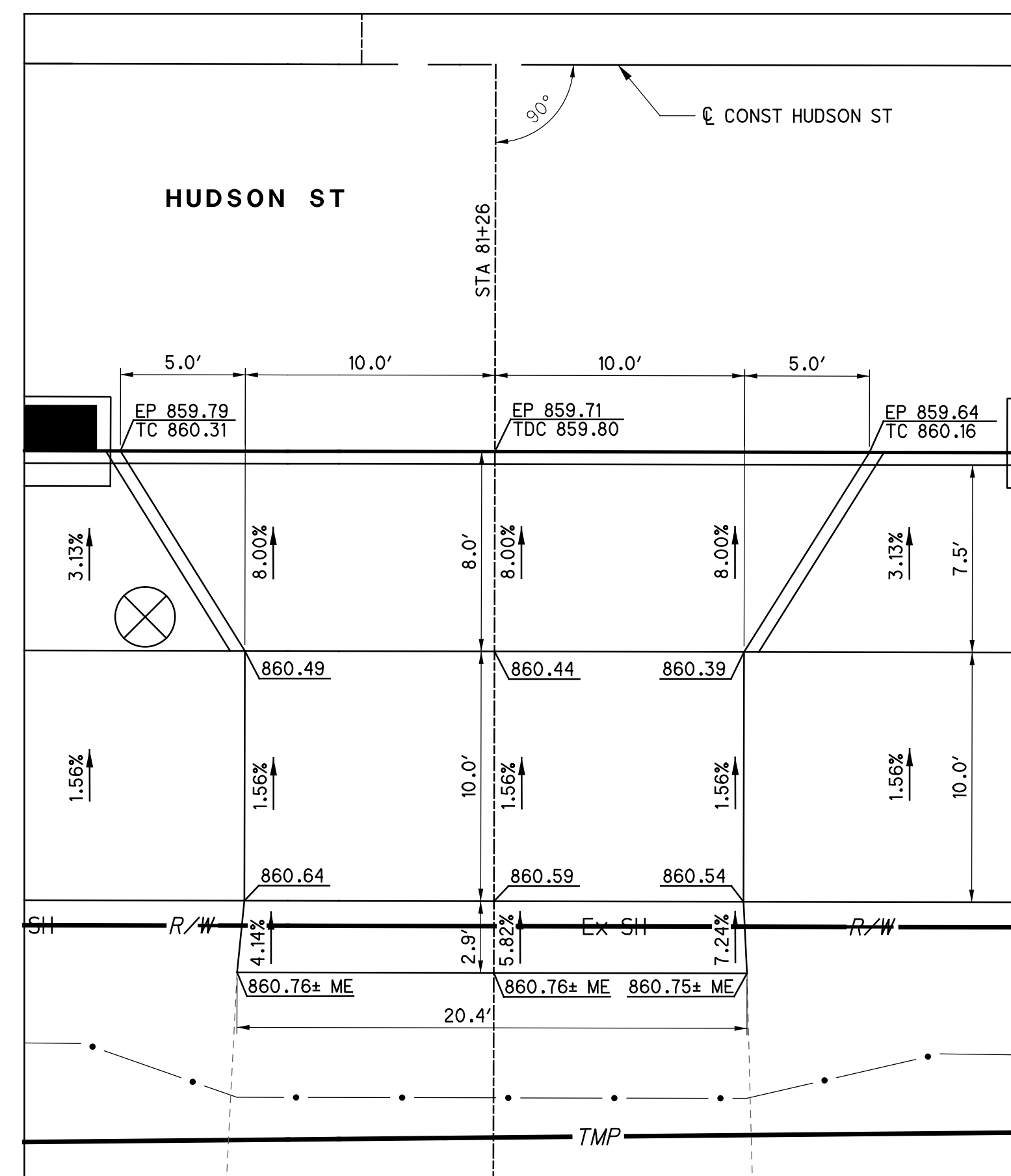
DRIVE DETAIL AT HUDSON ST STA 80+75 RT



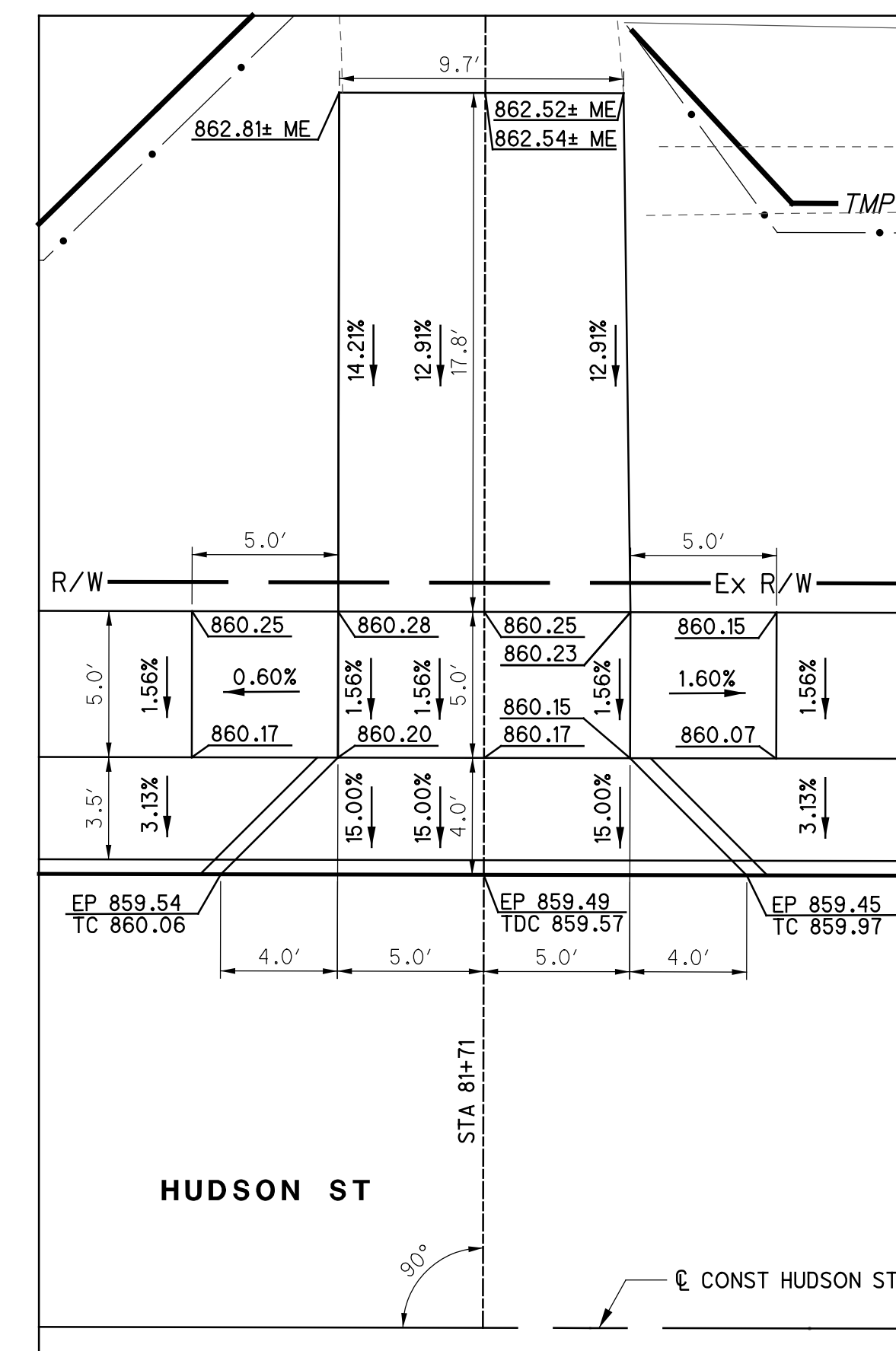
DRIVE DETAIL AT HUDSON ST STA 80+81 LT



DRIVE DETAIL AT HUDSON ST STA 81+21 LT



DRIVE DETAIL AT HUDSON ST STA 81+26 RT



DRIVE DETAIL AT HUDSON ST STA 81+71 LT

LEGEND  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

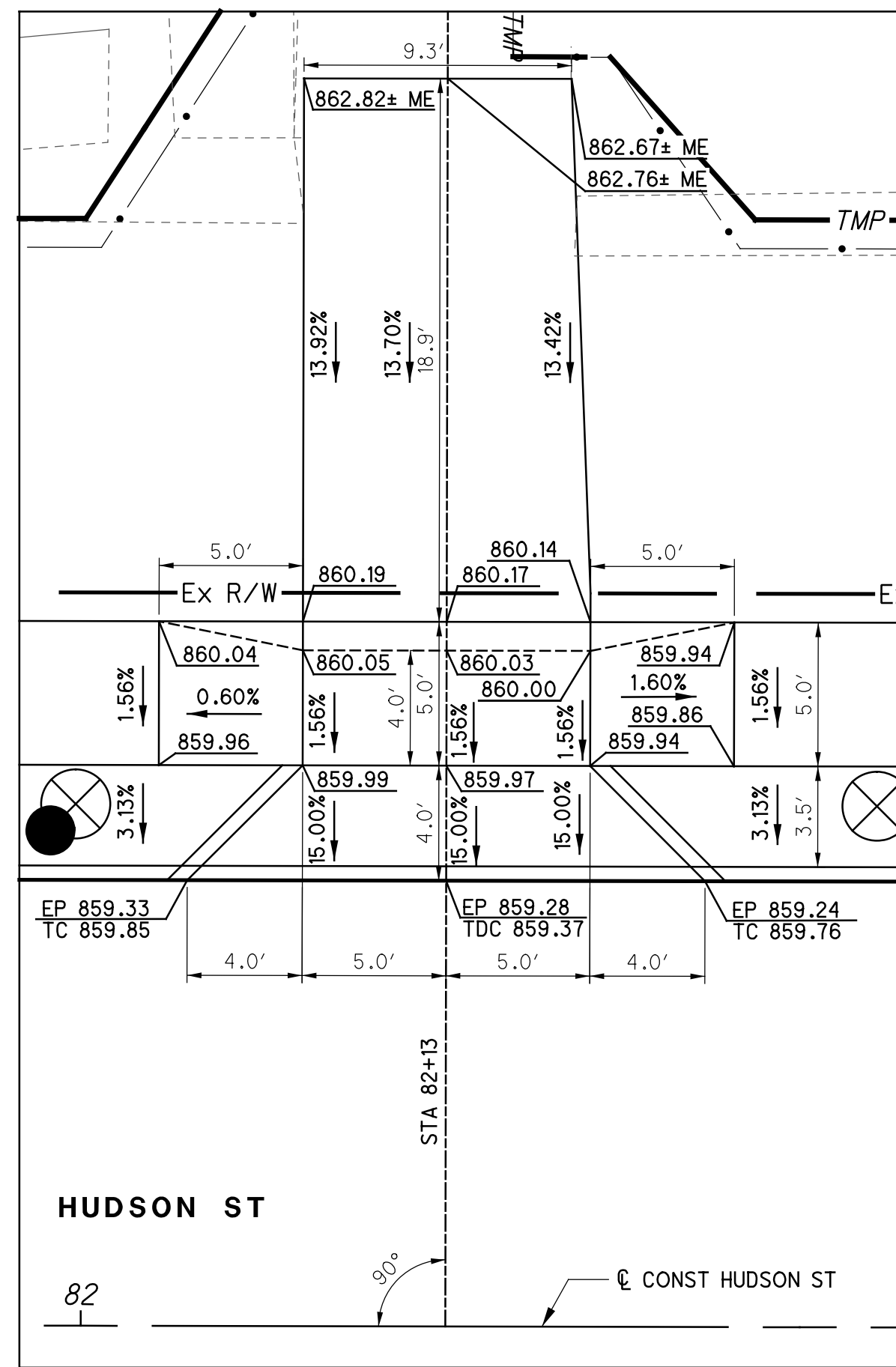
CALCULATED JRS  
 CHECKED MWR

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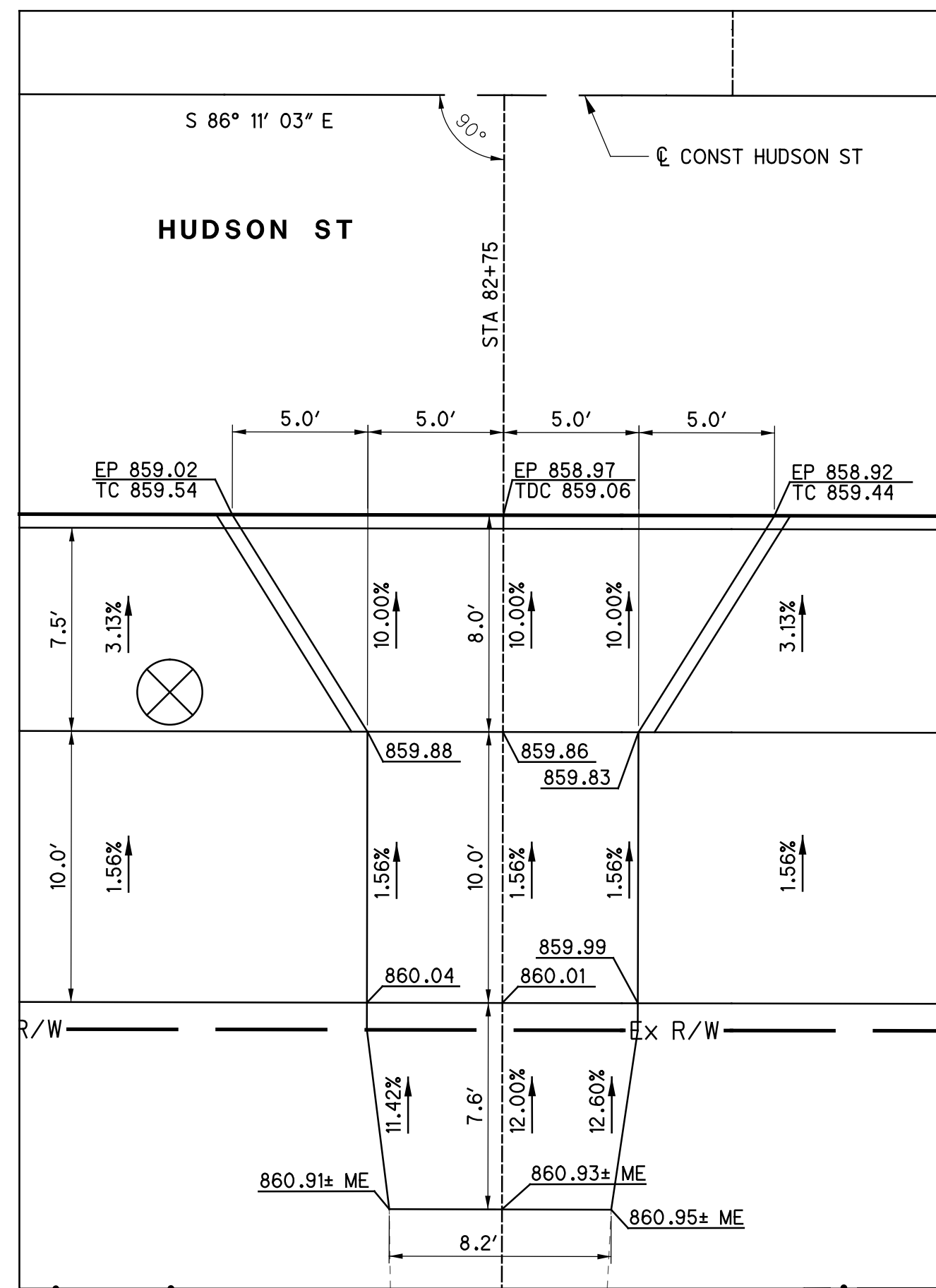
DRIVE DETAILS  
 HUDSON ST

HUDSON ST

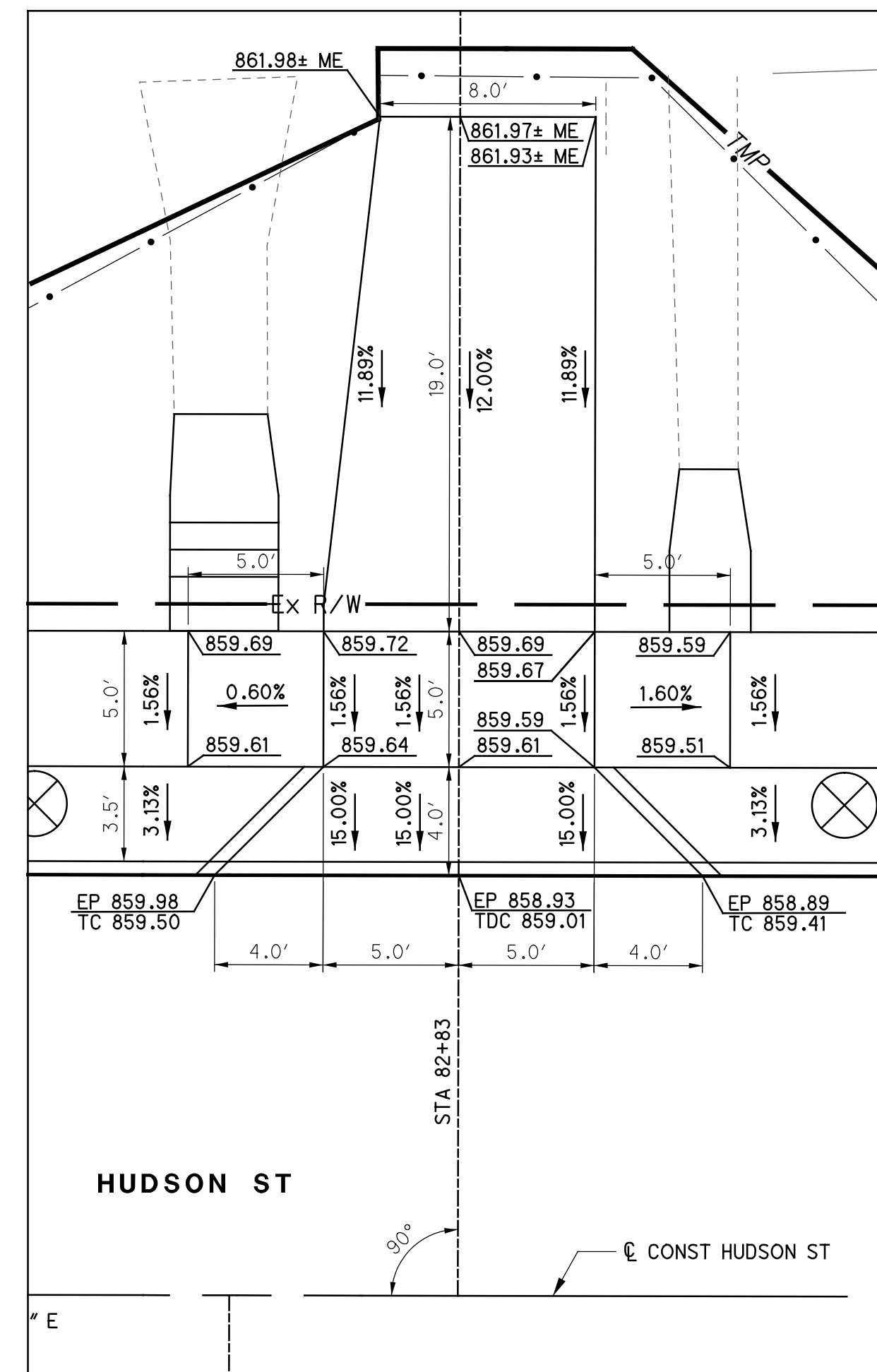
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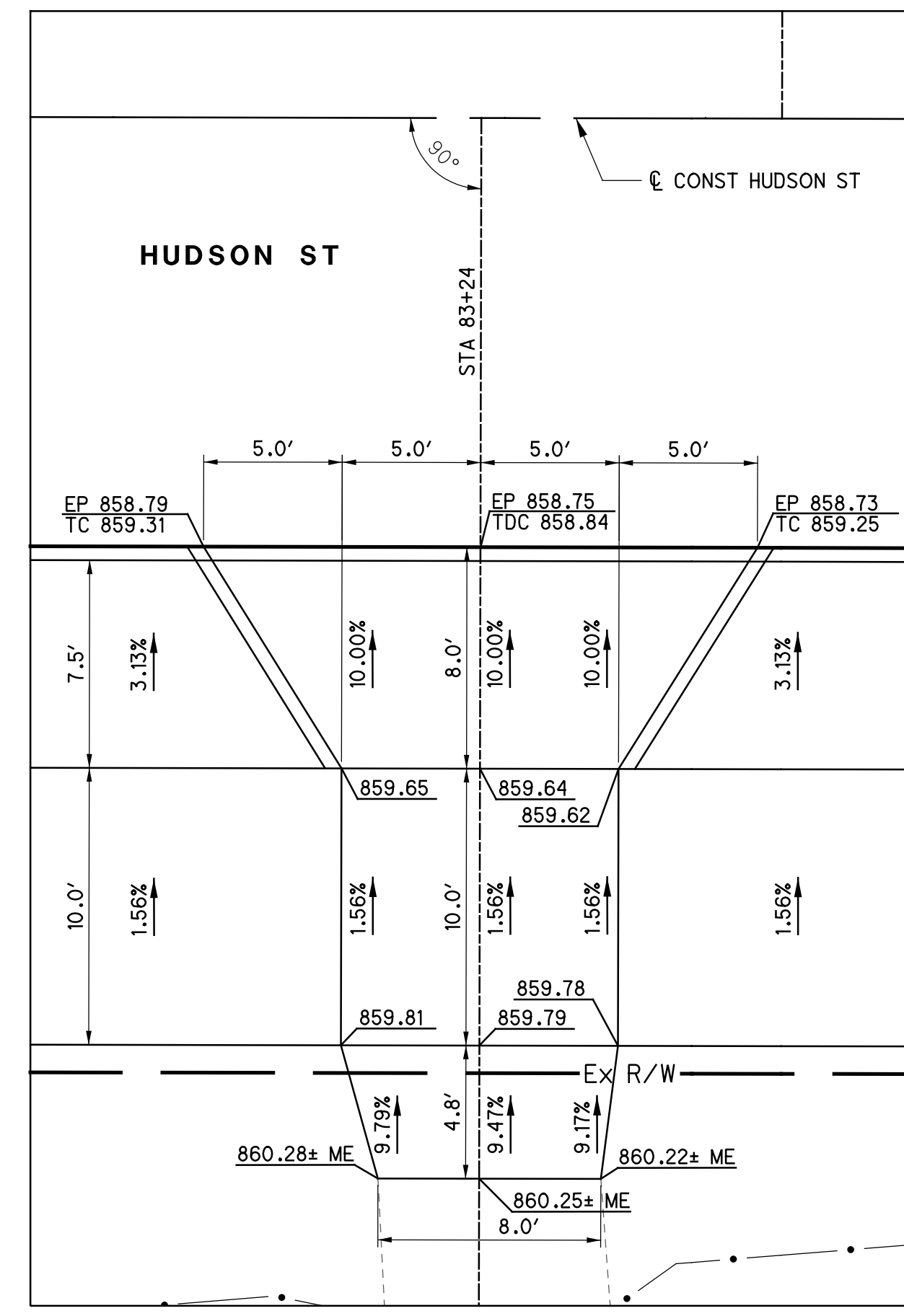
DRIVE DETAIL AT HUDSON ST STA 82+13 LT



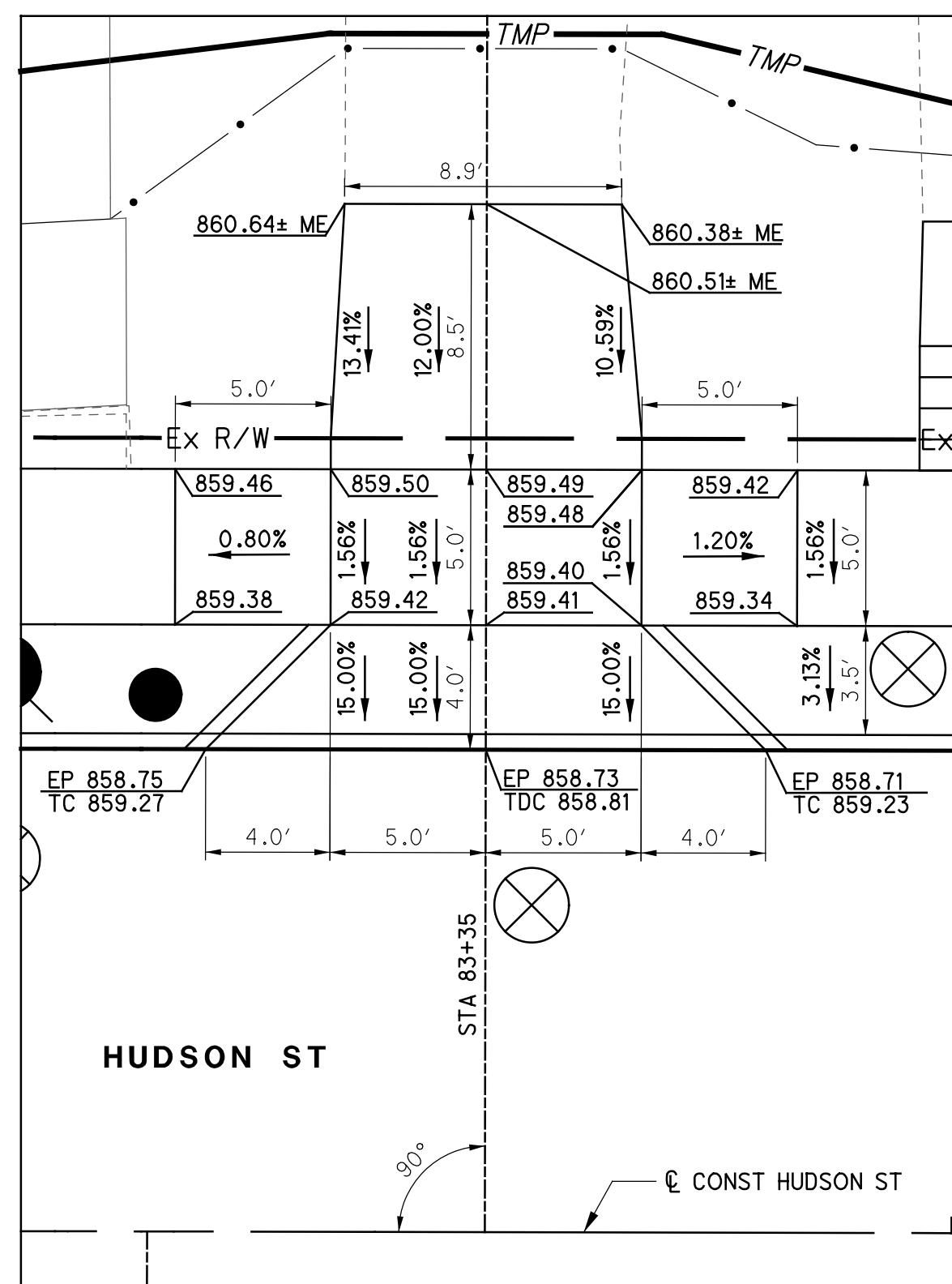
DRIVE DETAIL AT HUDSON ST STA 82+75 RT



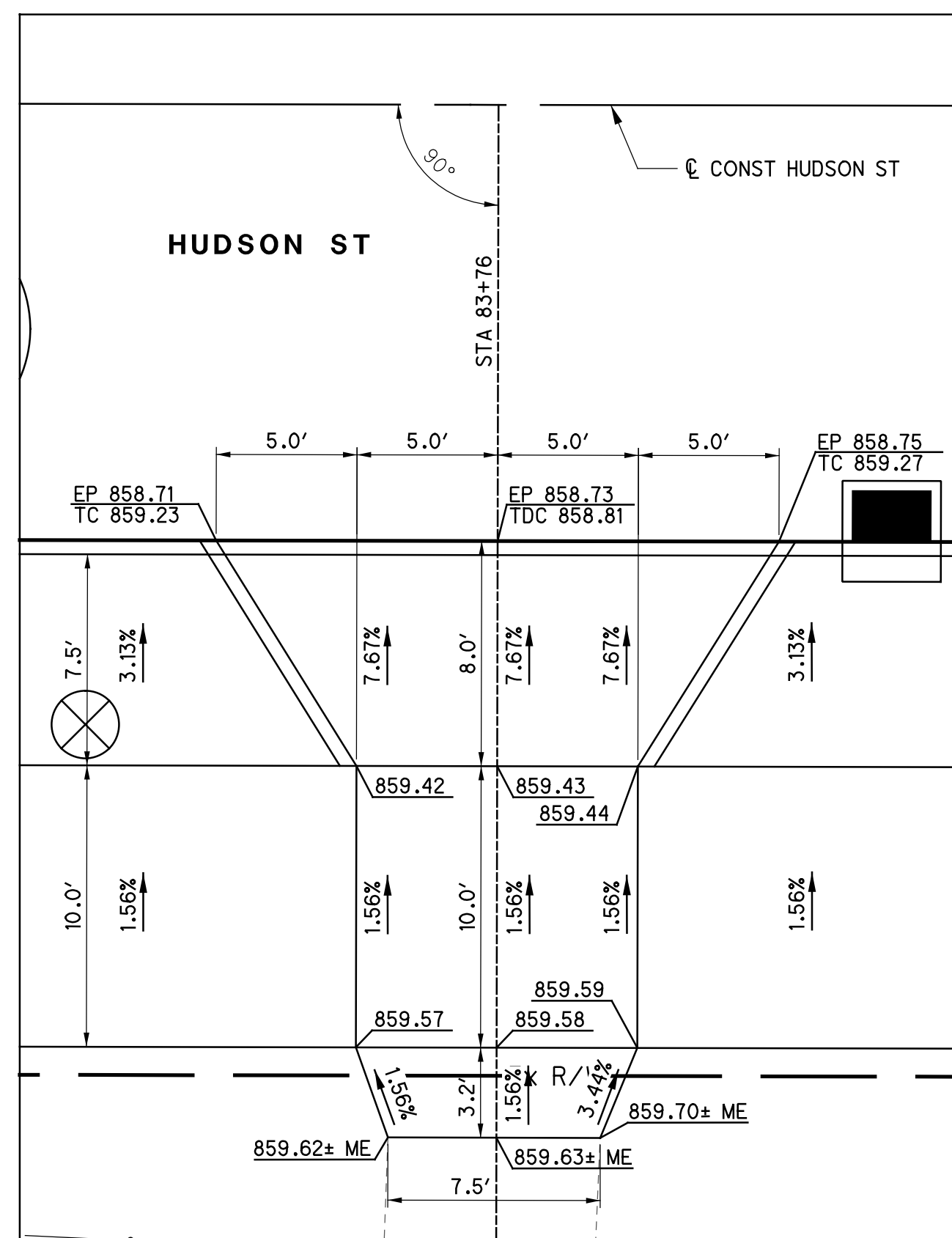
DRIVE DETAIL AT HUDSON ST STA 82+83 LT



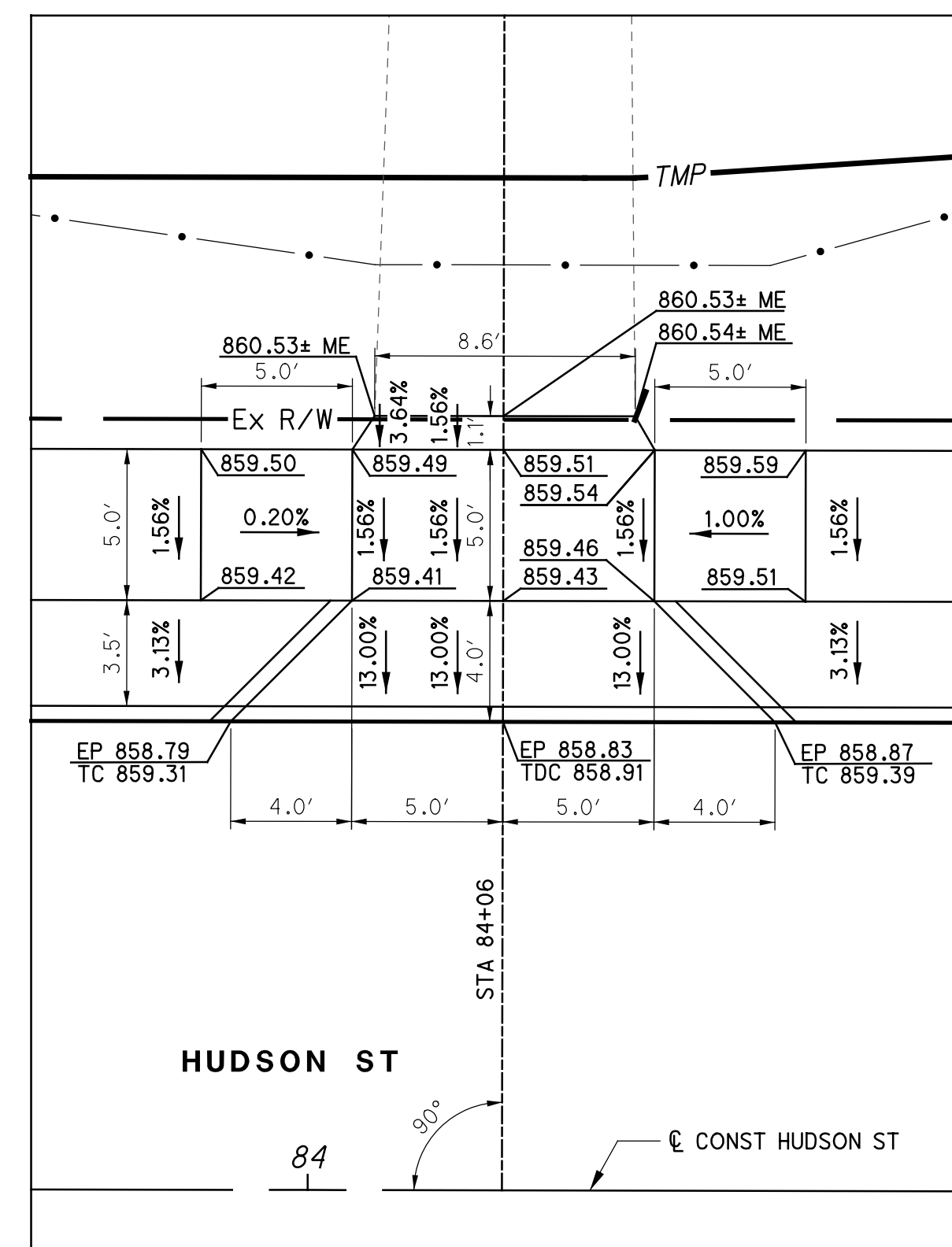
DRIVE DETAIL AT HUDSON ST STA 83+24 RT



DRIVE DETAIL AT HUDSON ST STA 83+35 LT



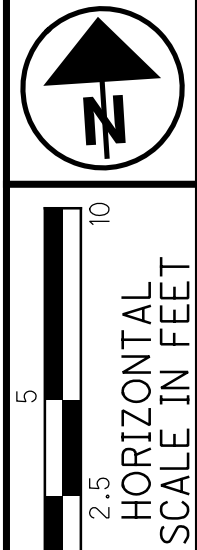
DRIVE DETAIL AT HUDSON ST STA 83+76 RT



DRIVE DETAIL AT HUDSON ST STA 84+06 LT

LEGEND  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

CALCULATED JRS  
 CHECKED MWR



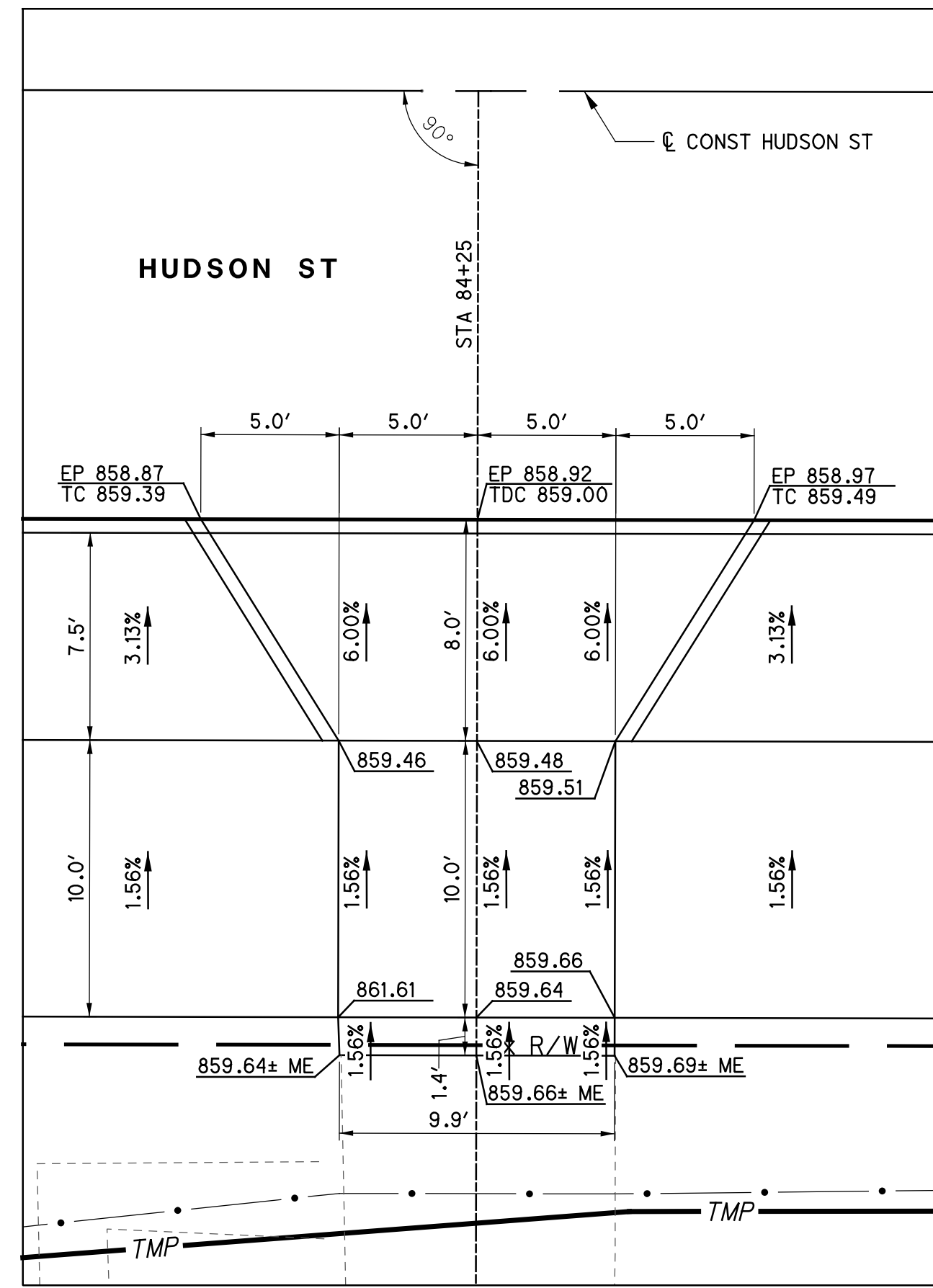
DRIVE DETAILS  
 HUDSON ST

HUDSON ST

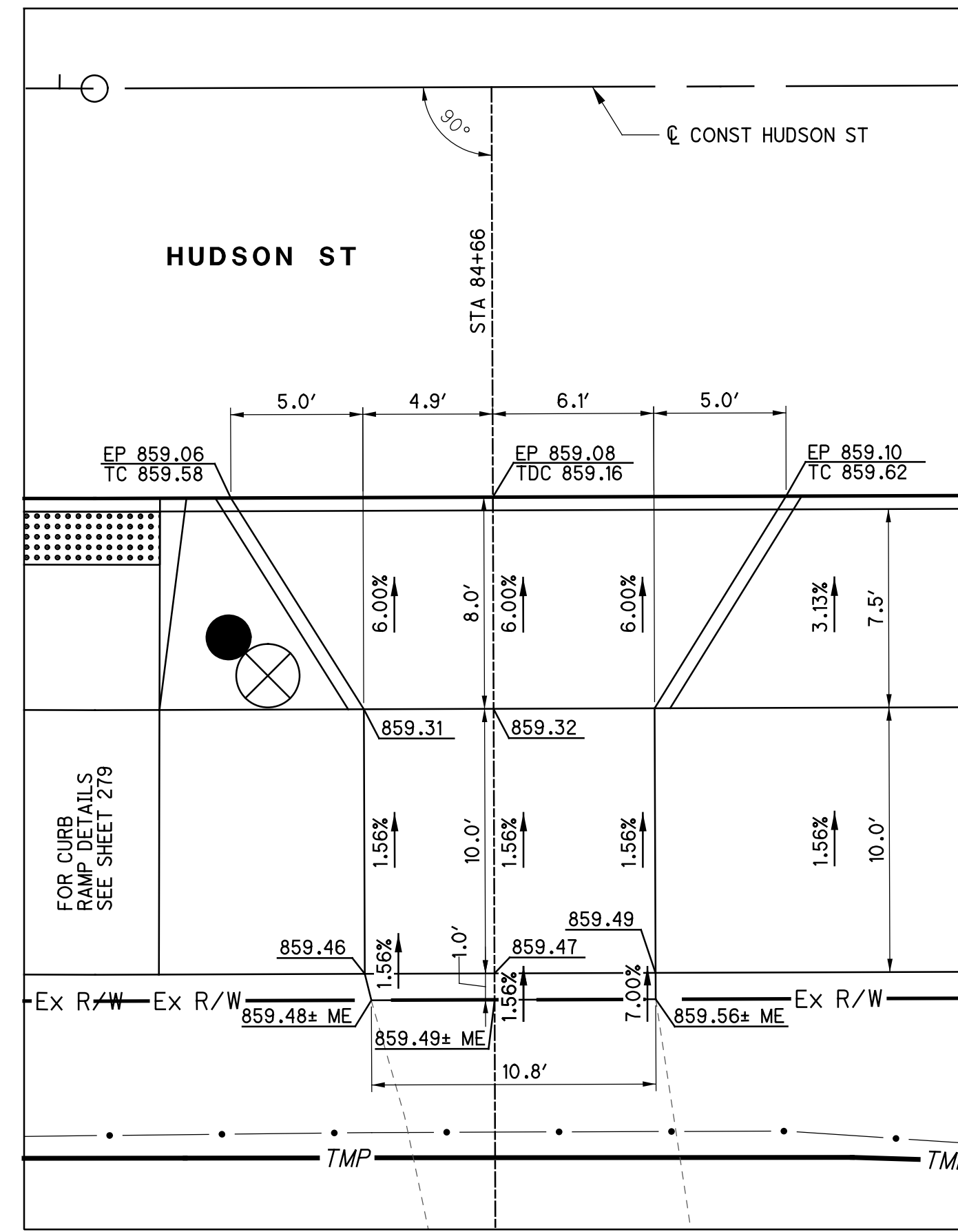
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535

3575-E

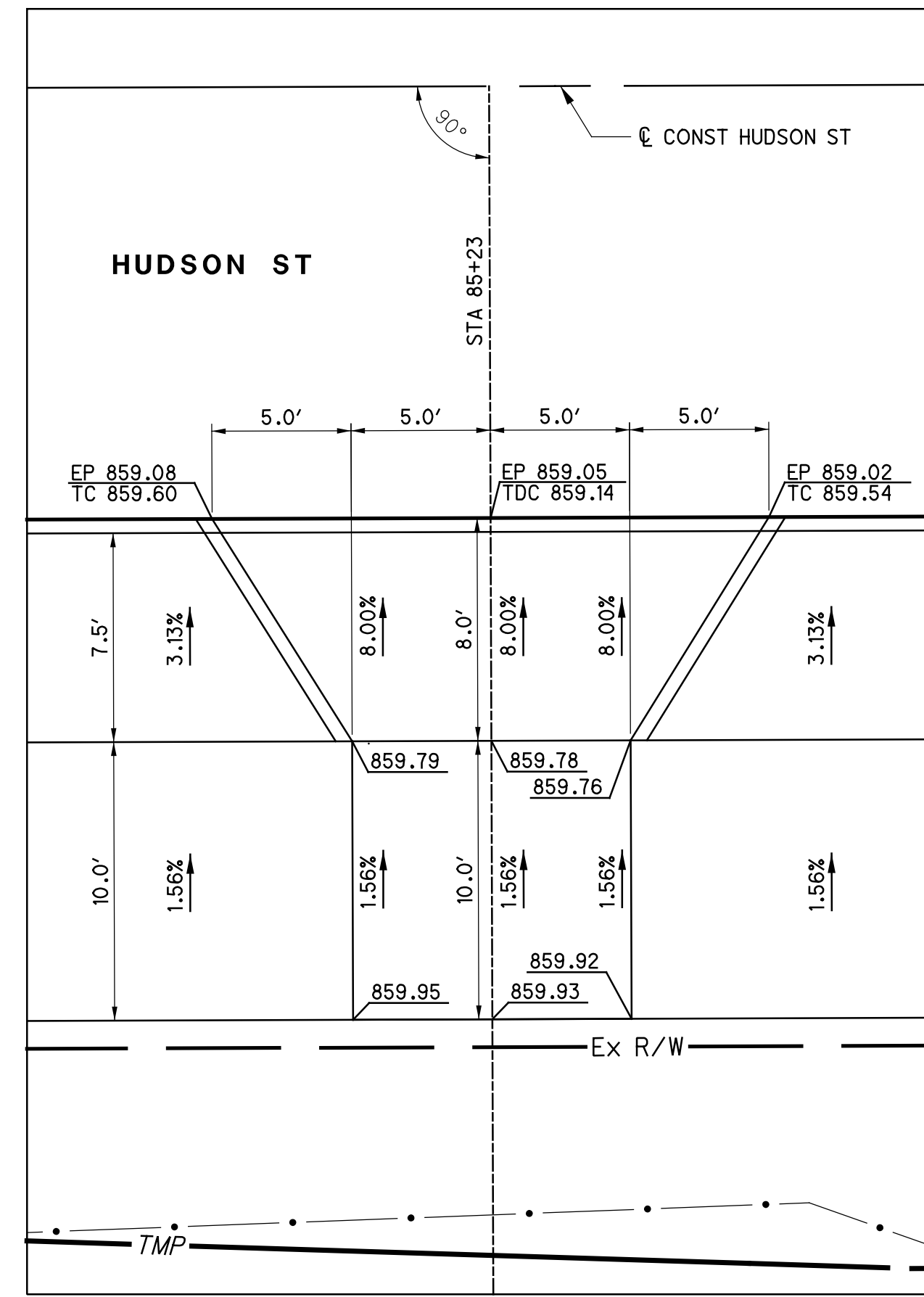
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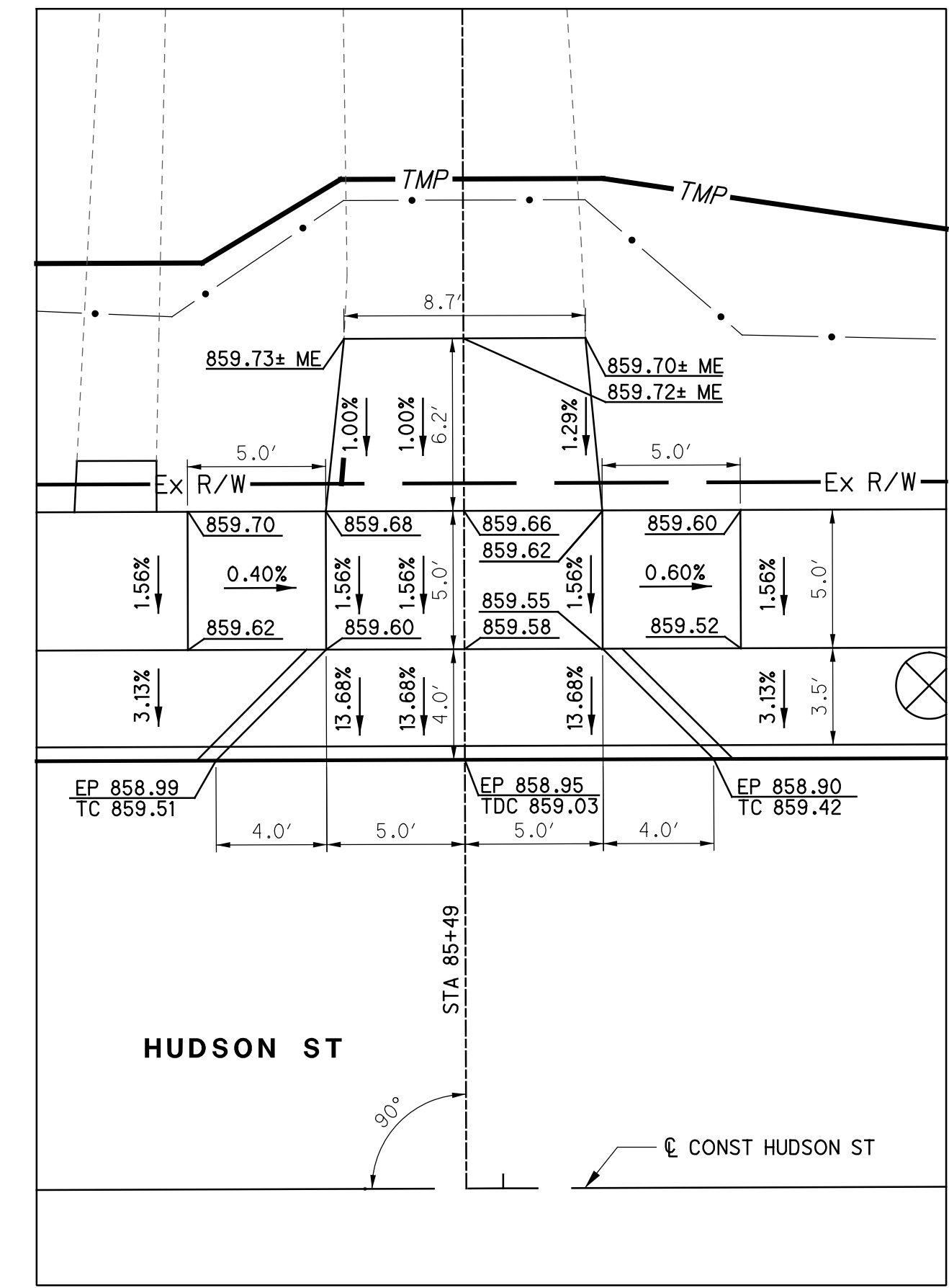
DRIVE DETAIL AT HUDSON ST STA 84+25 RT



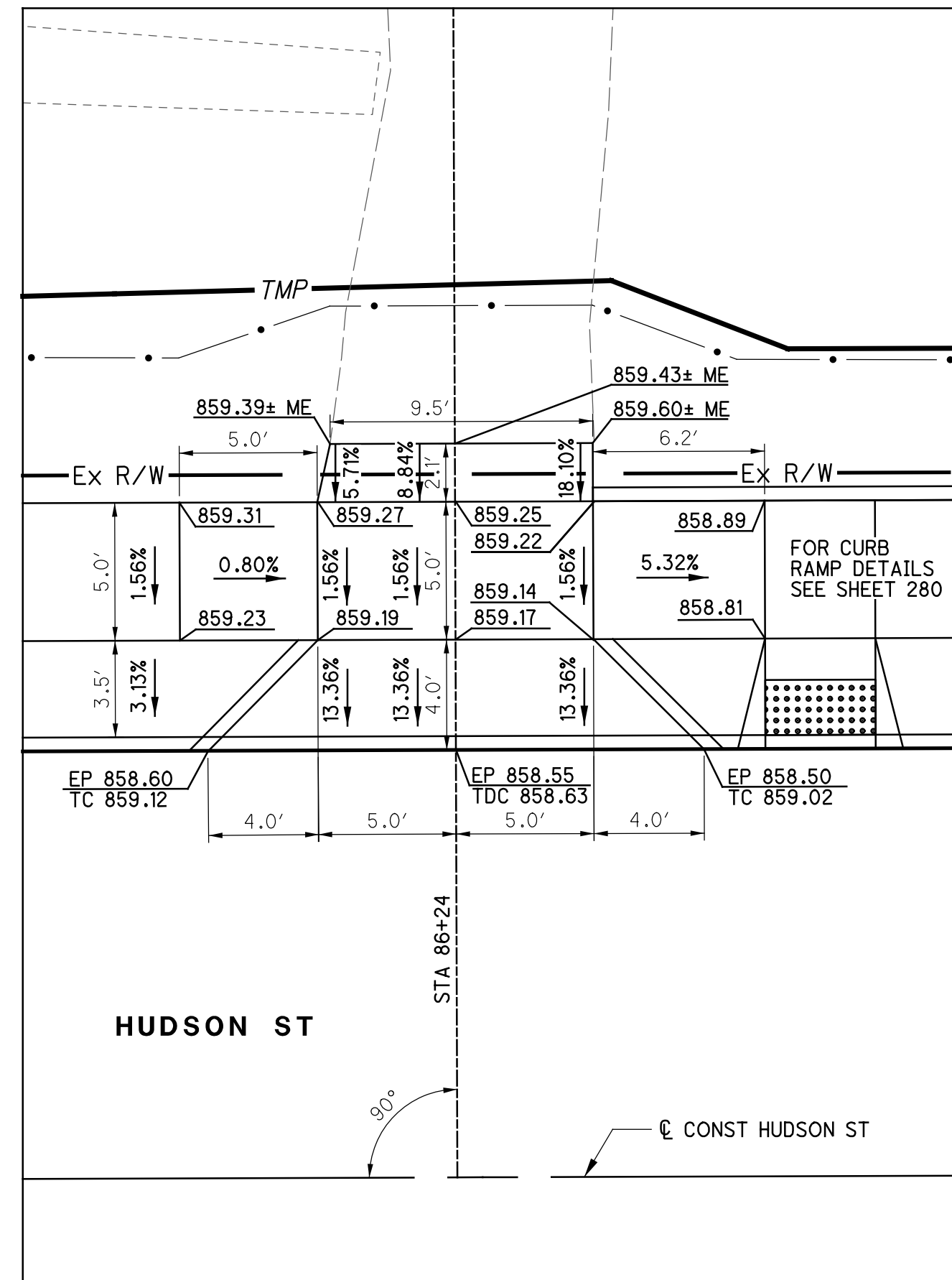
DRIVE DETAIL AT HUDSON ST STA 84+66 RT



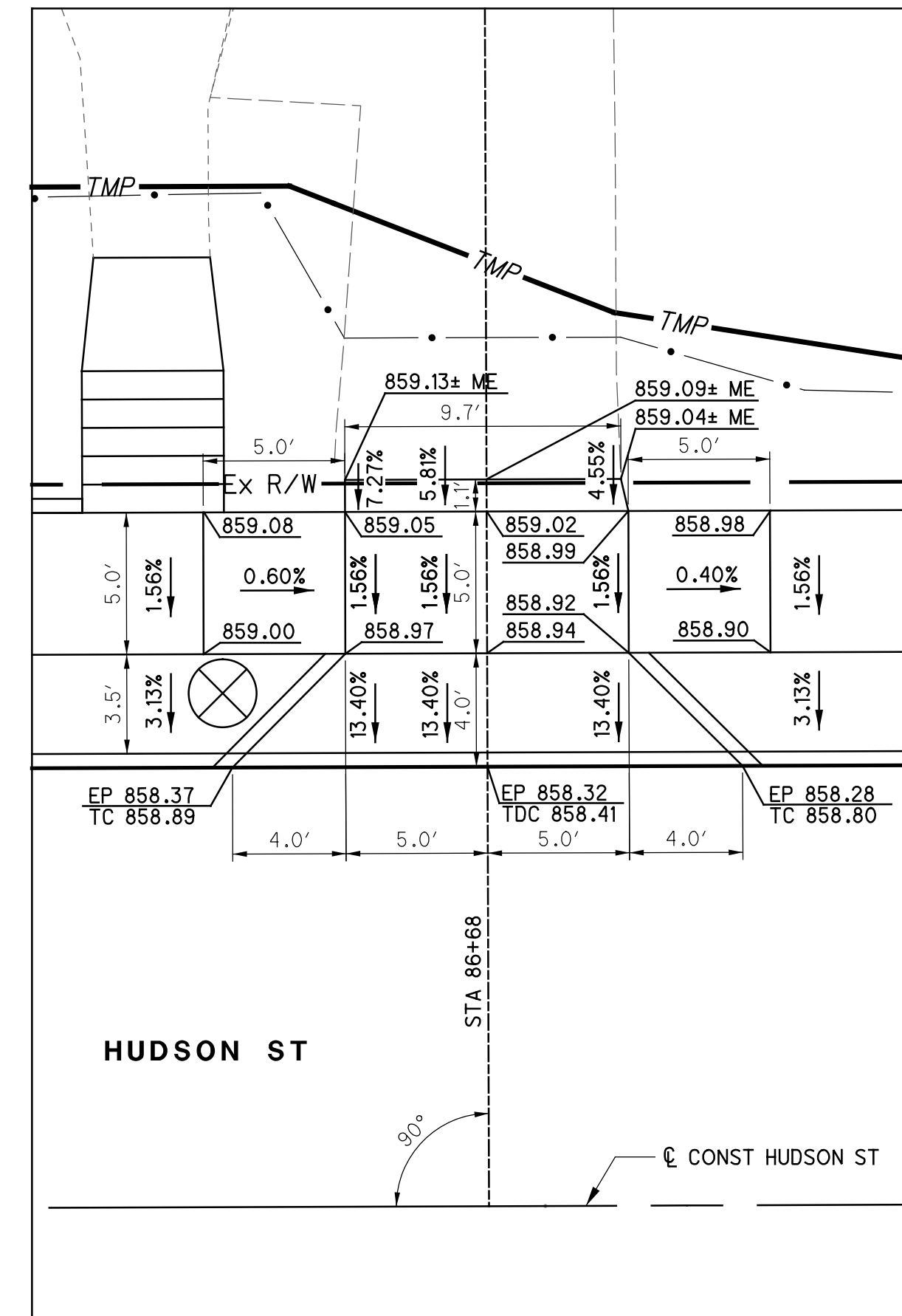
DRIVE DETAIL AT HUDSON ST STA 85+23 RT



DRIVE DETAIL AT HUDSON ST STA 85+49 LT



DRIVE DETAIL AT HUDSON ST STA 86+24 LT



DRIVE DETAIL AT HUDSON ST STA 86+68 LT



DRIVE DETAIL AT HUDSON ST STA 87+32 RT



0 5 10  
 2.5'  
 HORIZONTAL  
 SCALE IN FEET

CALCULATED JRS  
 CHECKED MWR

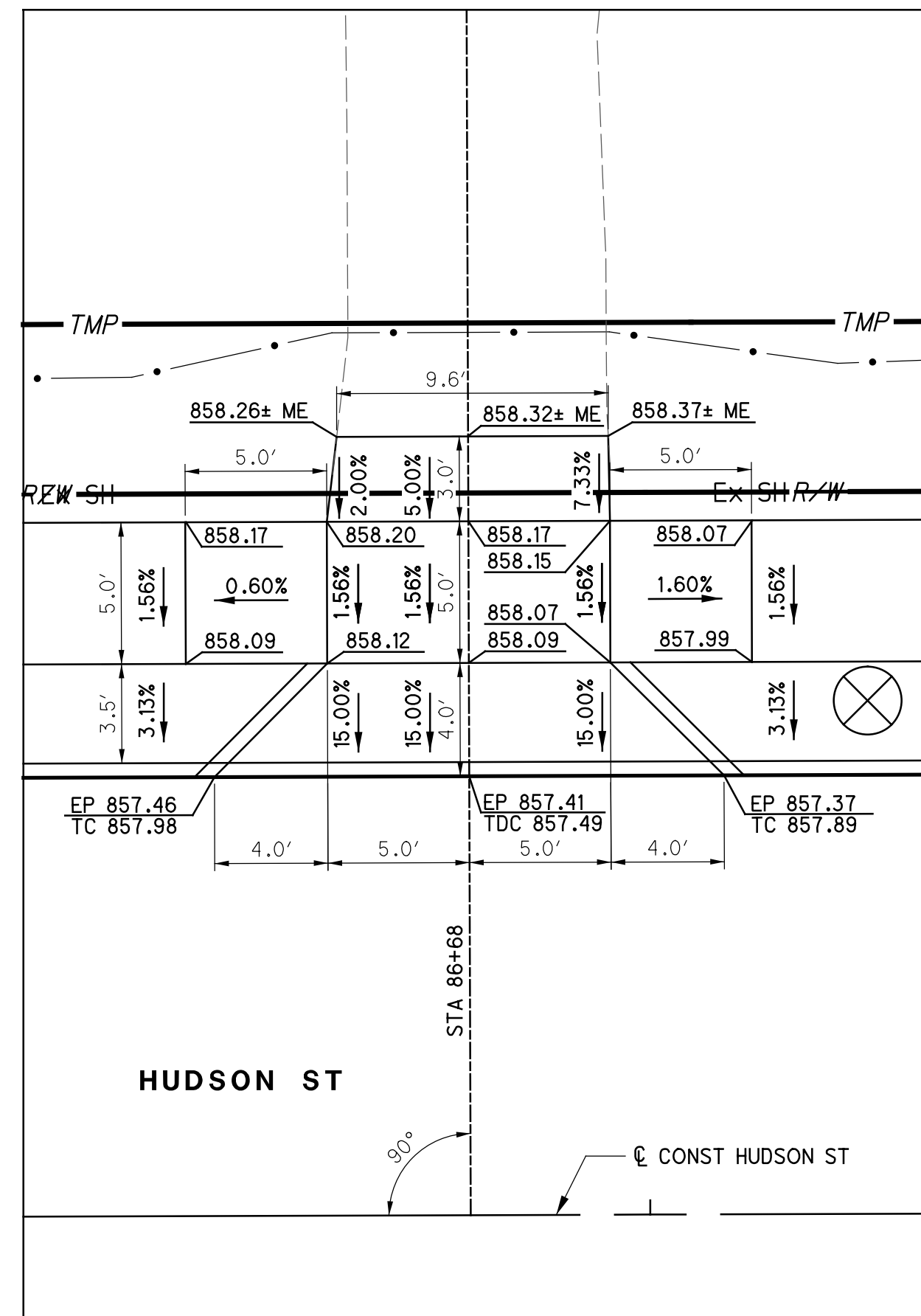
**DRIVE DETAILS  
HUDSON ST**

**HUDSON ST**

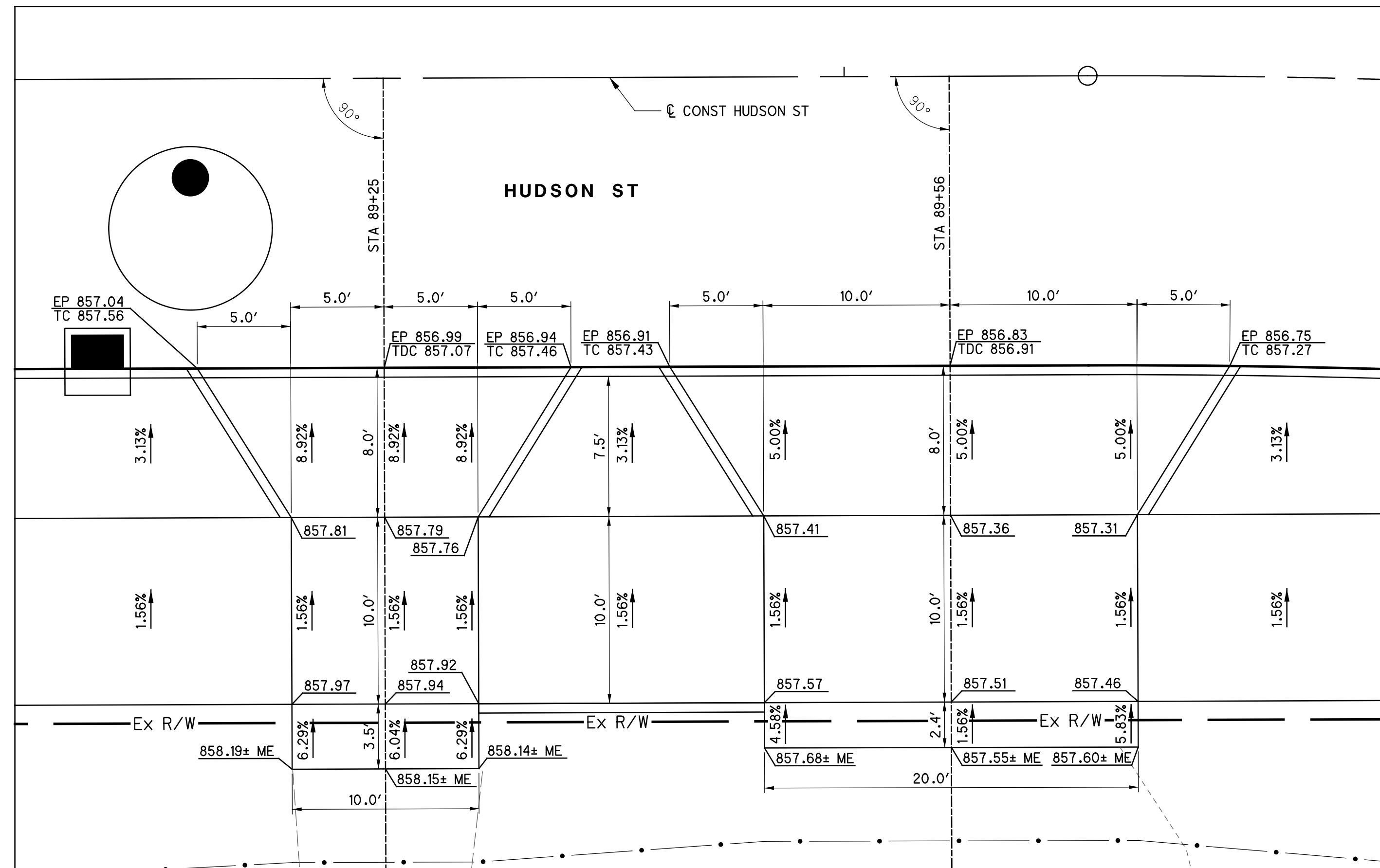
**LEGEND**  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

**3575 - E**

301  
 535



DRIVE DETAIL AT HUDSON ST STA 86+68 LT



DRIVE DETAIL AT HUDSON ST STA 89+25 RT

DRIVE DETAIL AT HUDSON ST STA 89+56 RT



0 5 10  
 2.5  
 HORIZONTAL  
 SCALE IN FEET

CALCULATED JRS  
 CHECKED MWR

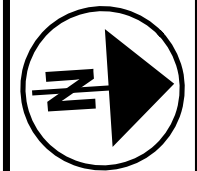
DRIVE DETAILS  
 HUDSON ST

HUDSON ST

LEGEND  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

3575-E

302  
 535

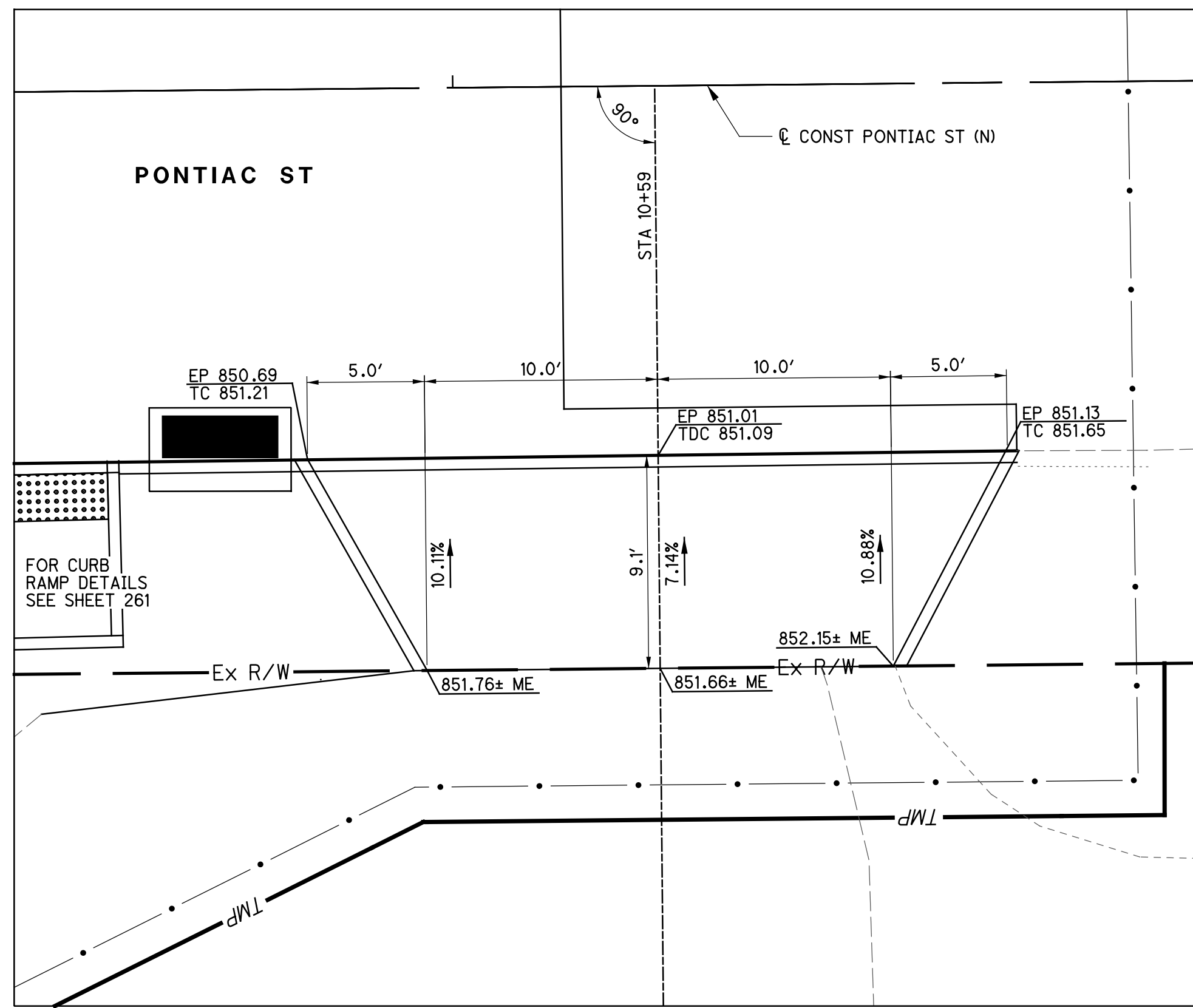


HORIZONTAL SCALE IN FEET  
2.5

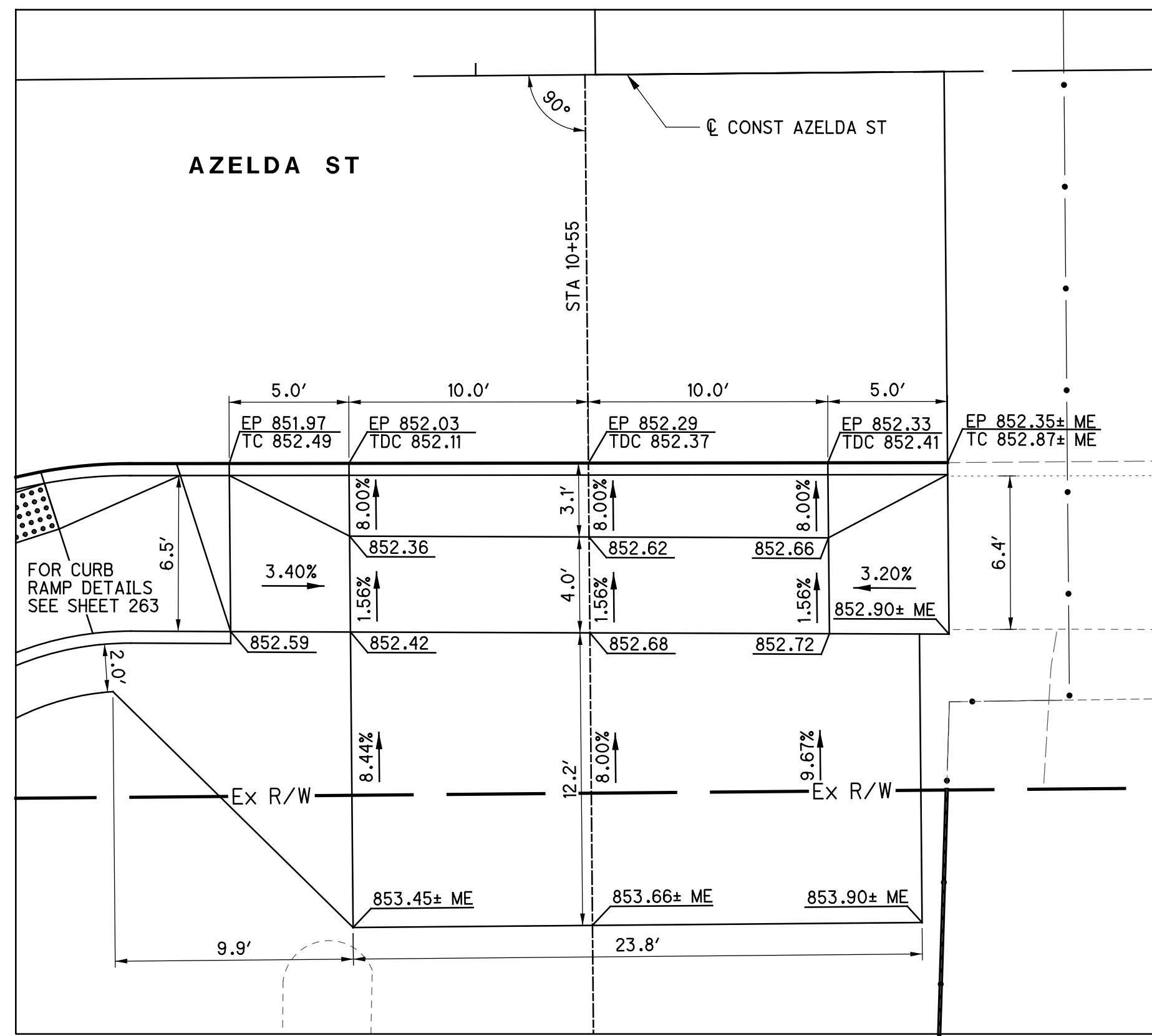
CALCULATED JRS  
CHECKED MWR

### DRIVE DETAILS SIDE STREETS

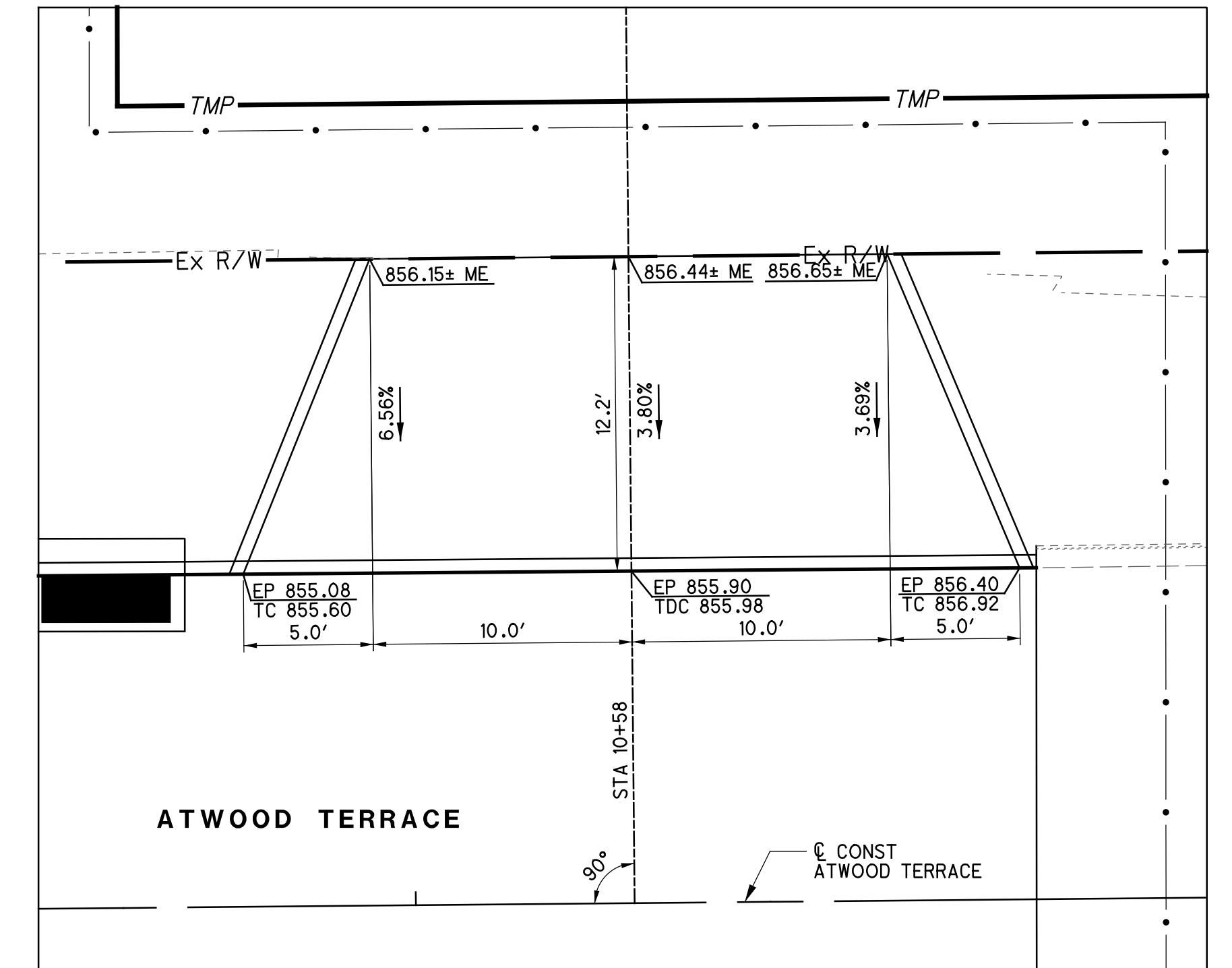
### HUDSON ST



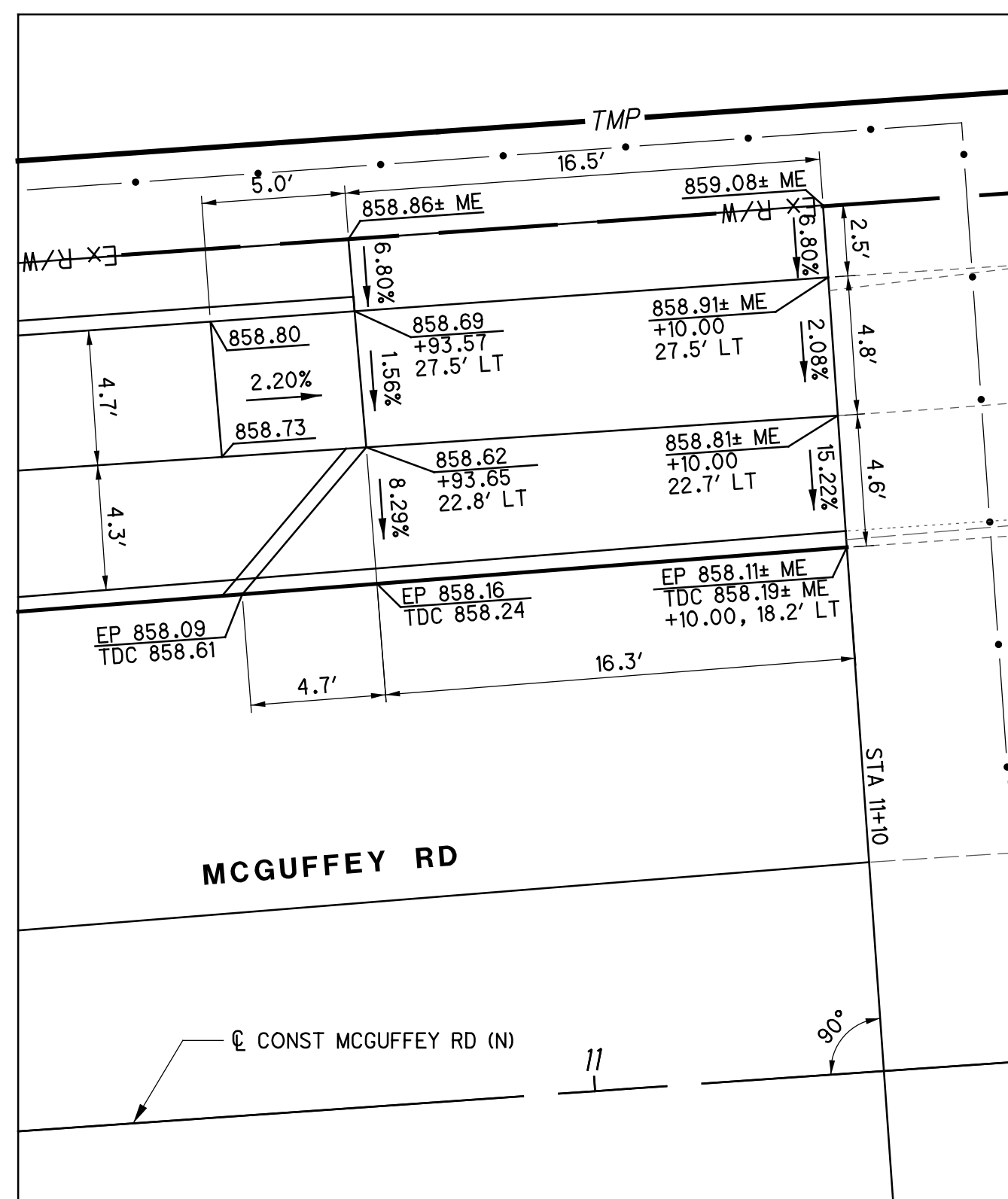
DRIVE DETAIL AT PONTIAC ST STA 10+59 RT



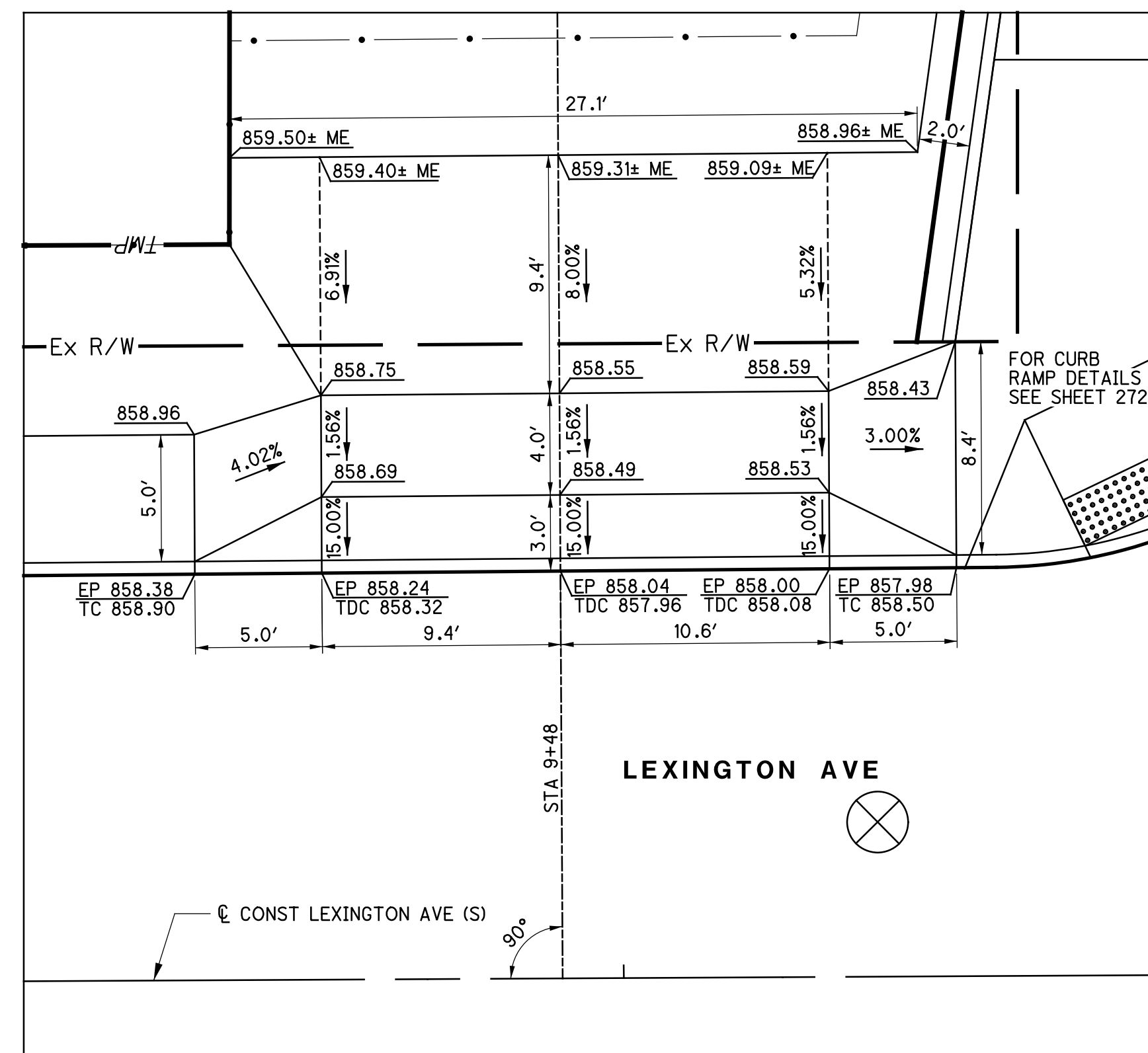
DRIVE DETAIL AT AZELDA ST STA 10+55 RT



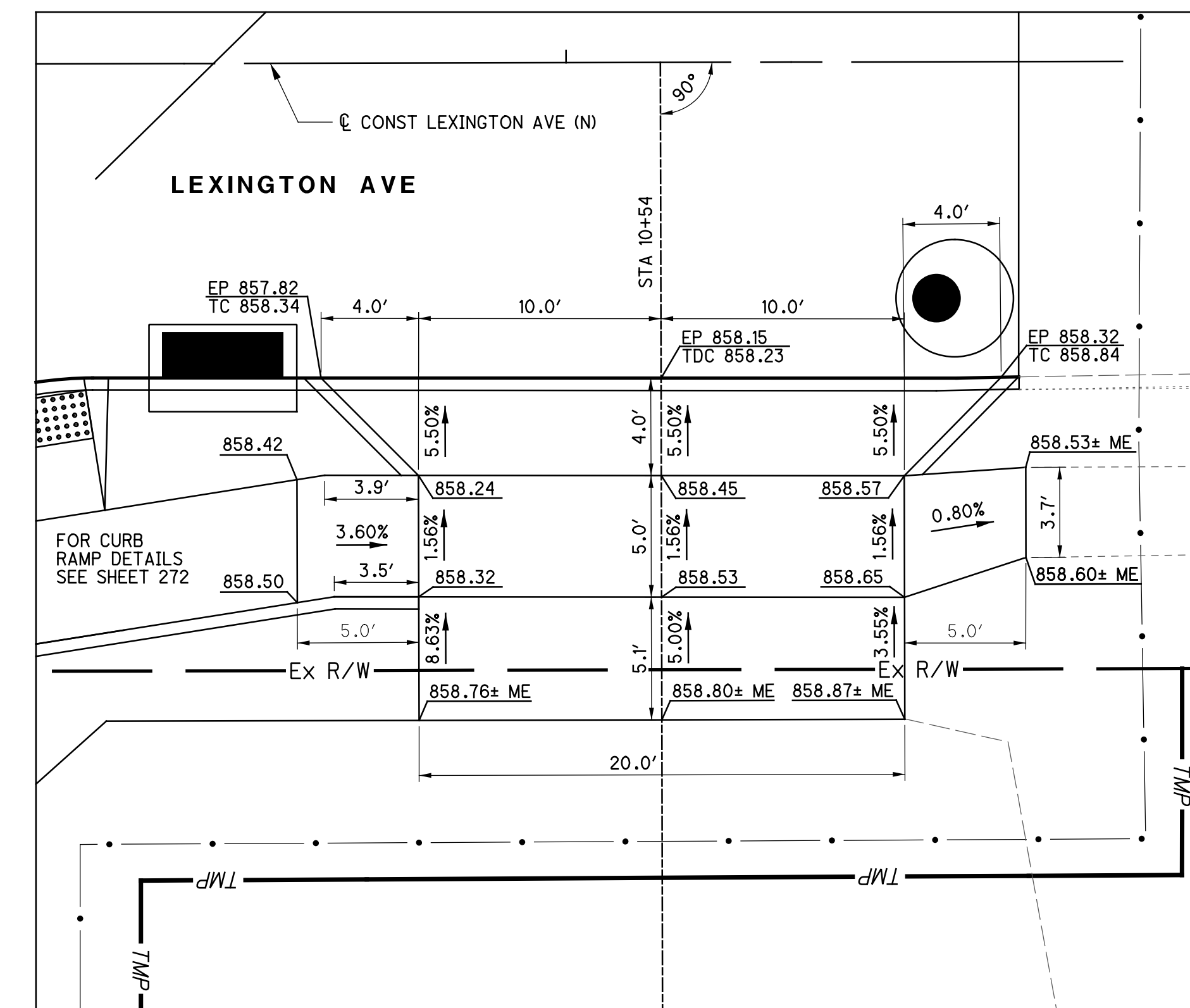
DRIVE DETAIL AT ATWOOD TERRACE STA 10+58 LT



DRIVE DETAIL AT MCGUFFEY RD STA 11+10 LT



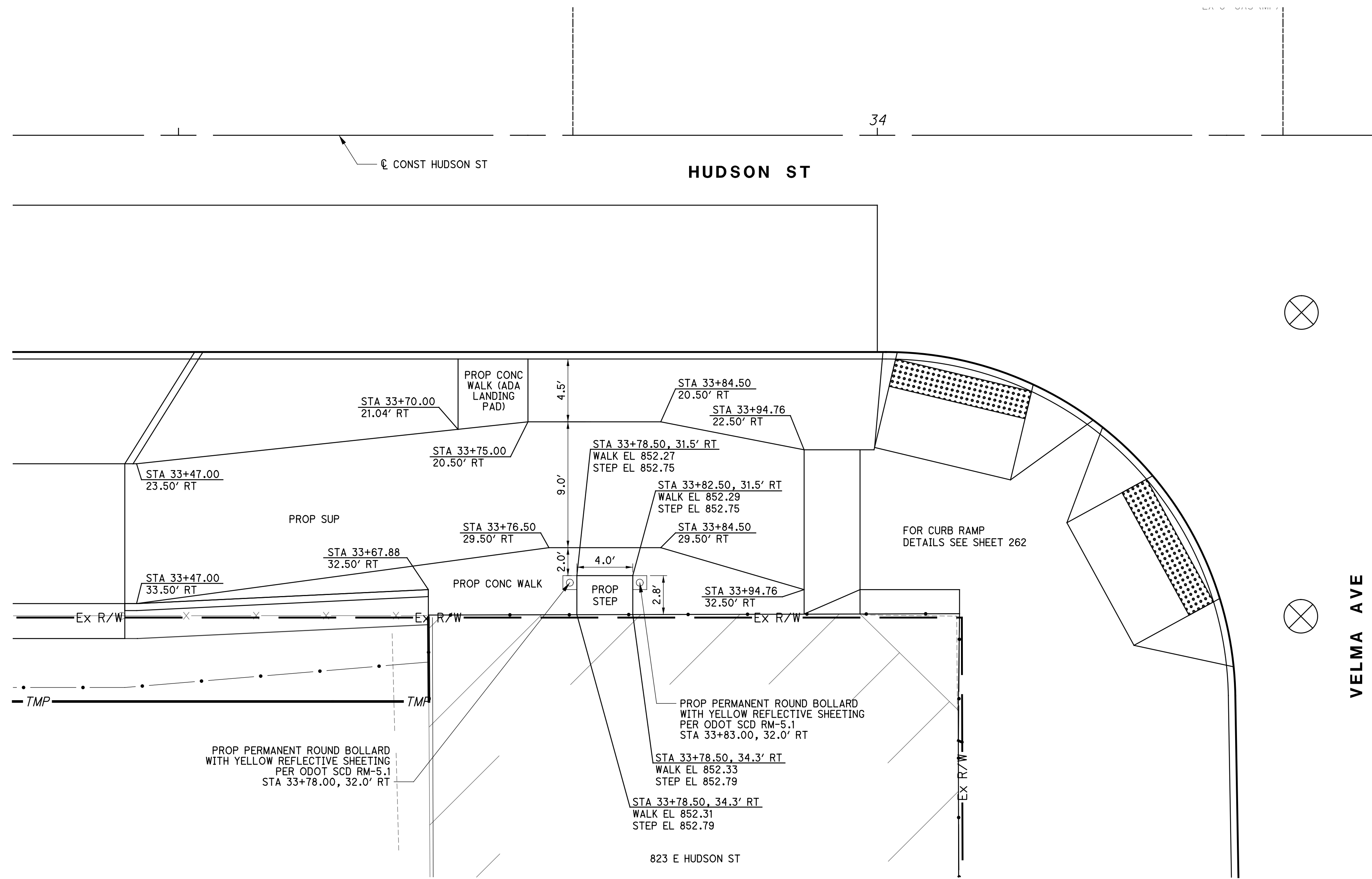
DRIVE DETAIL AT LEXINGTON AVE STA 9+48 LT



DRIVE DETAIL AT LEXINGTON AVE STA 10+54 RT

**LEGEND**  
 TC = TOP OF CURB  
 TDC = TOP OF DROPPED CURB  
 EP = EDGE OF PAVEMENT  
 ME = MATCH EXISTING

isoltasz 10/5/2021 10:05:51 AM  
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304  
535

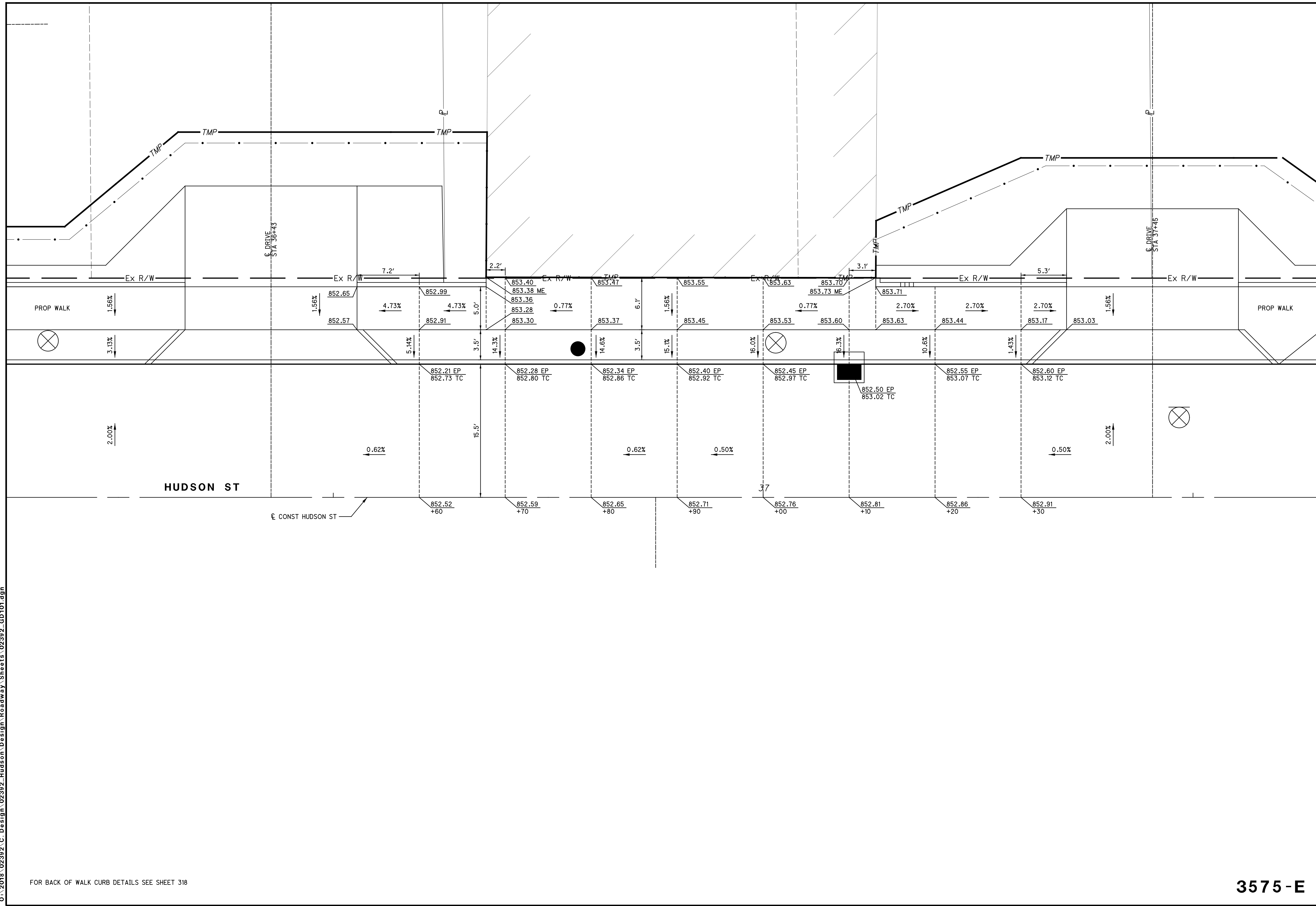
WALK DETAILS  
HUDSON ST

HUDSON ST



isoltasz 10/5/2021 10:05:52 AM  
\\01\2018\02392\C\_Design\02392\_Hudson\Design\Roadway\Sheets\02392\_GD101.dgn

FOR BACK OF WALK CURB DETAILS SEE SHEET 318



CALCULATED  
JRS  
CHECKED  
MWR

0 5 10  
2.5'  
HORIZONTAL  
SCALE IN FEET

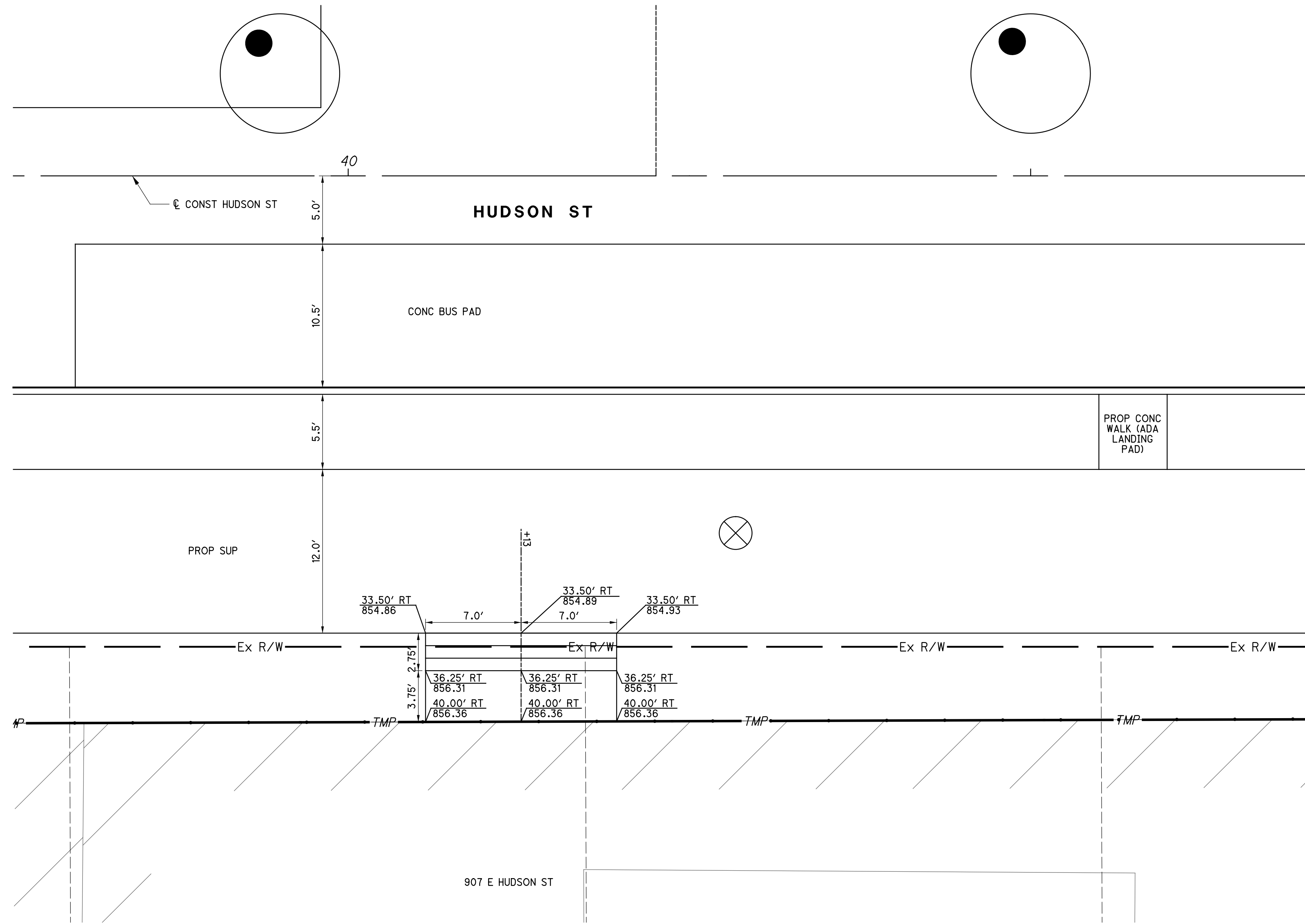
WALK DETAILS  
HUDSON ST

HUDSON ST

305  
535

3575-E

isoltasz 10/5/2021 10:05:53 AM  
\\01\2018\02392\C\_Design\02392\_Hudson\Design\Roadway\Sheets\02392\_GD104.dgn



CALCULATED  
JRS  
CHECKED  
MWR

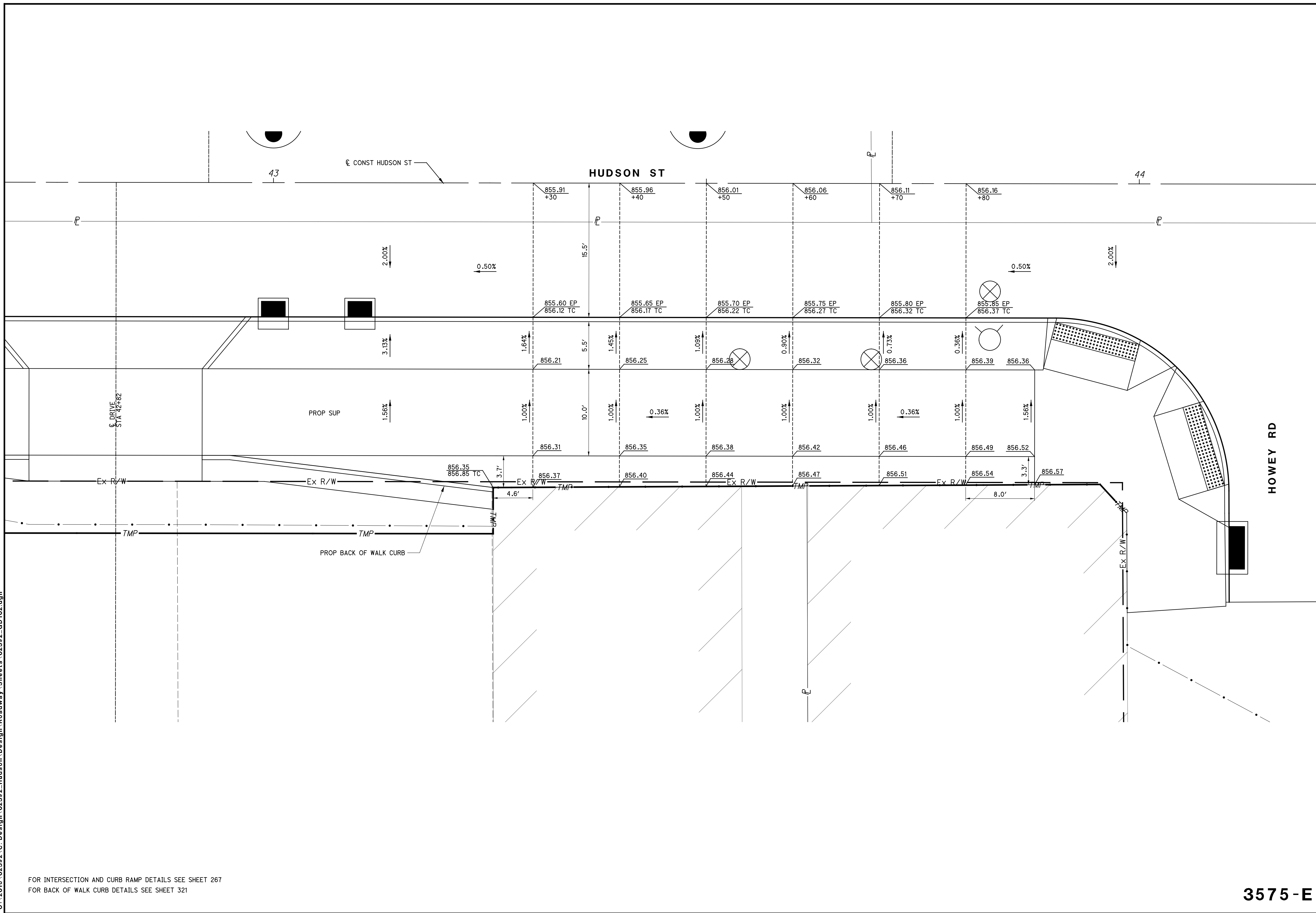
0 5 10  
2.5  
HORIZONTAL  
SCALE IN FEET

WALK DETAILS  
HUDSON ST

HUDSON ST

isotasz 10/05/2021 10:05:53 AM  
\\01\2018\02392\C\_Design\02392\_Hudson\Design\Roadway\Sheets\02392\_GD102.dgn

FOR INTERSECTION AND CURB RAMP DETAILS SEE SHEET 267  
FOR BACK OF WALK CURB DETAILS SEE SHEET 321



CALCULATED  
JRS  
CHECKED  
MWR

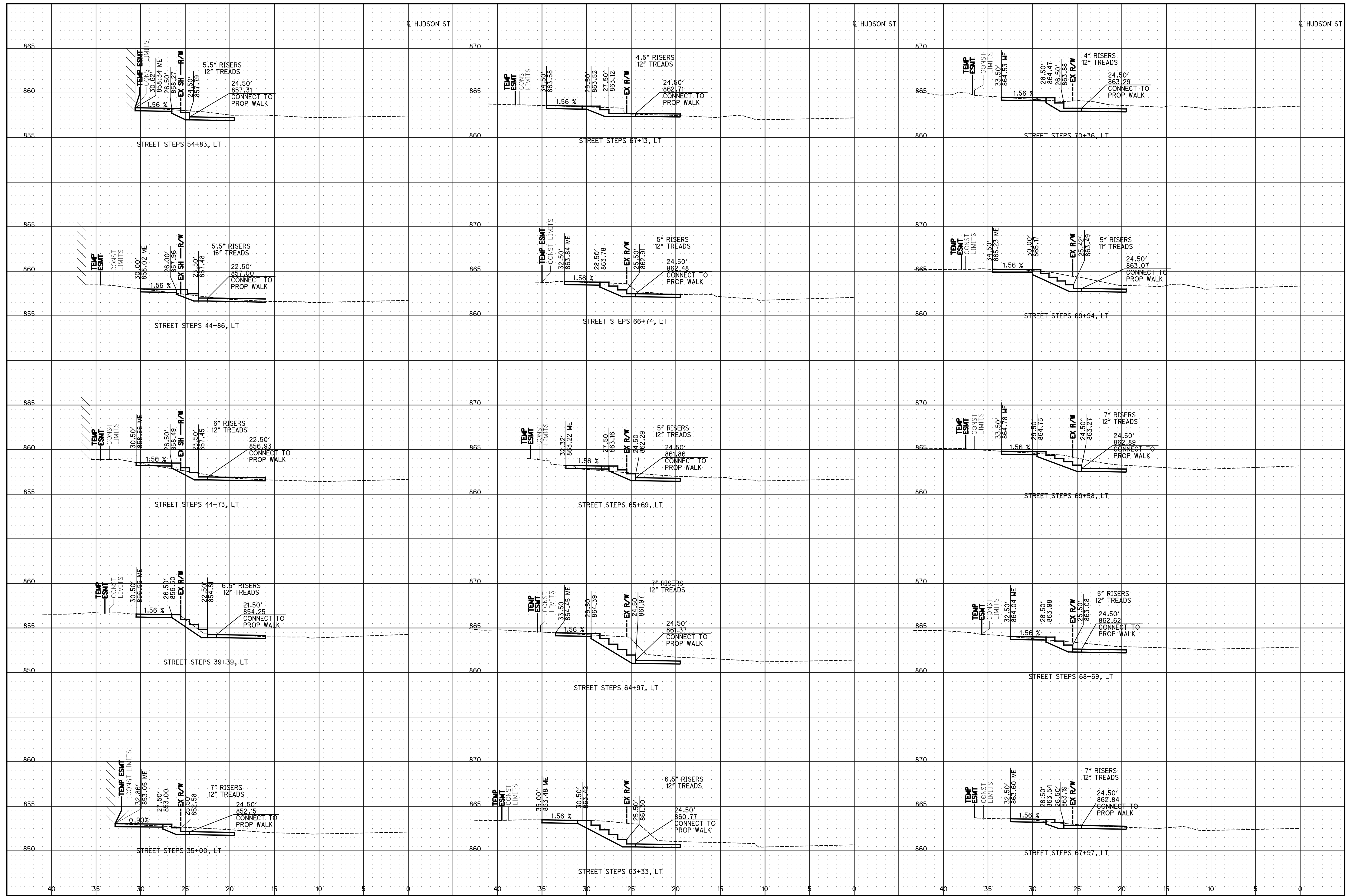
0 5 10  
2.5' HORIZONTAL  
SCALE IN FEET

WALK DETAILS  
HUDSON ST

HUDSON ST

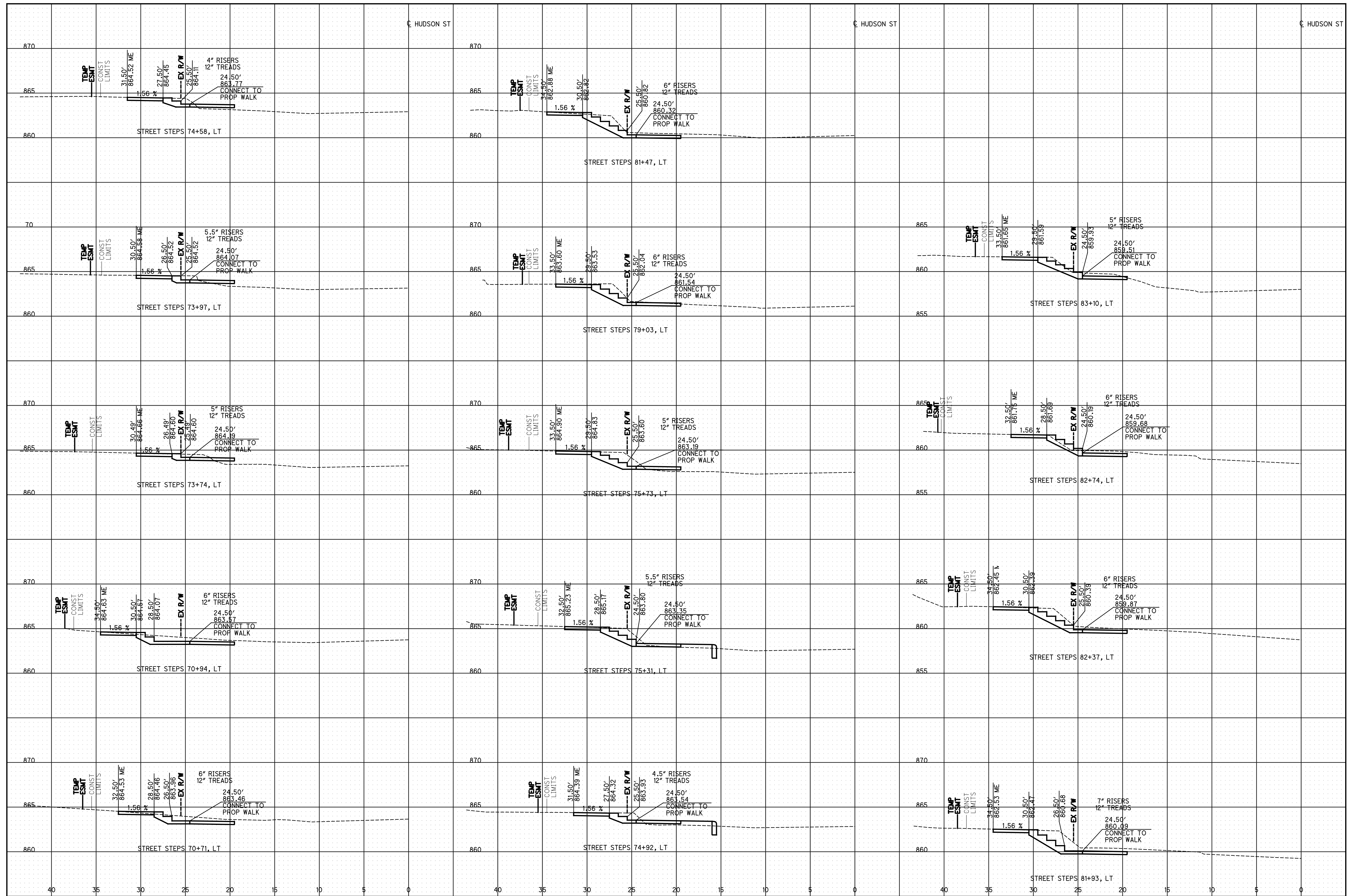
3575-E

307  
535



STEP PROFILES - HUDSON ST (LEFT)

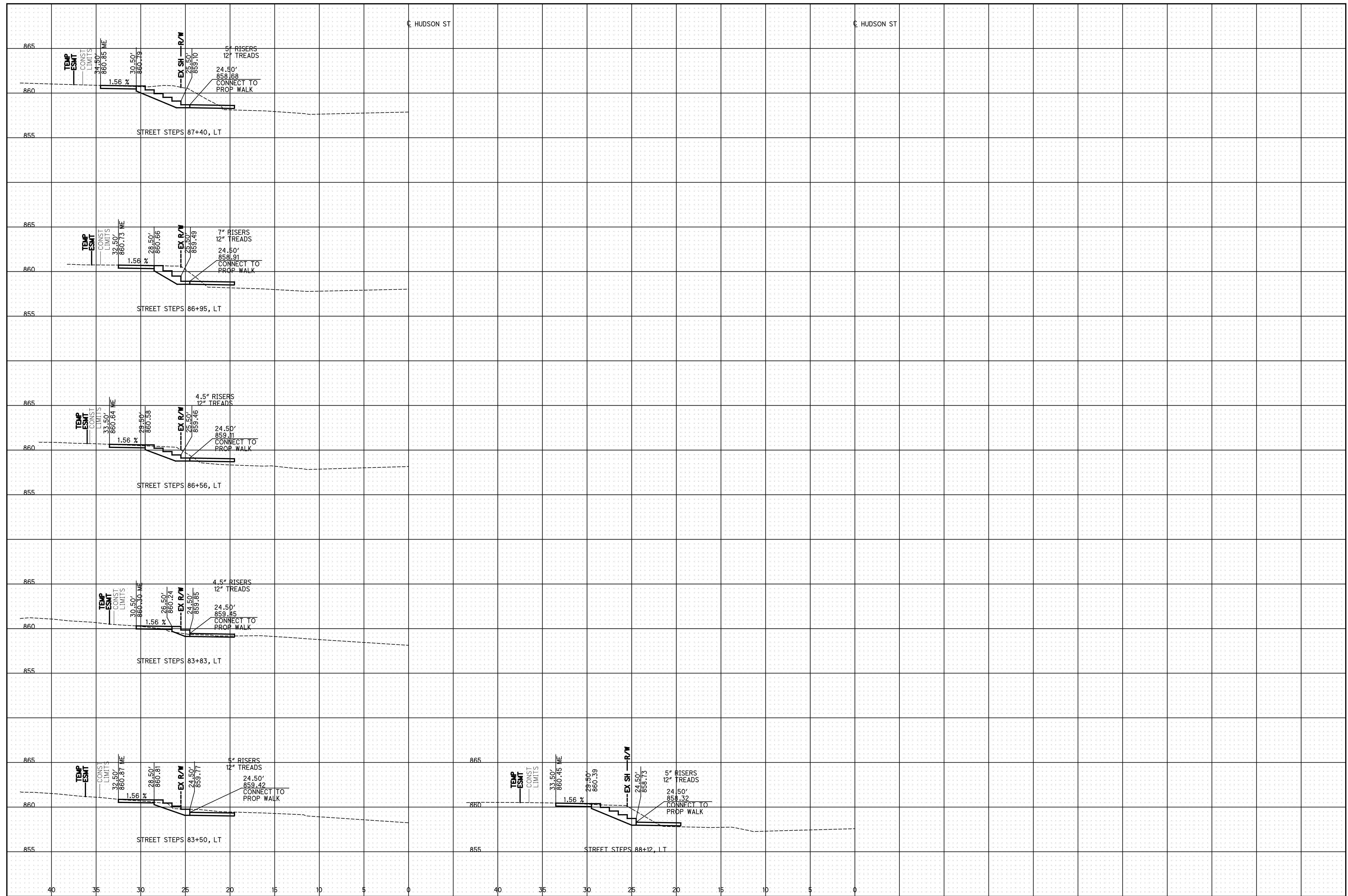
HUDSON ST



STEP PROFILES - HUDSON ST (LEFT)

HUDSON ST

isotasz 10/5/2021 10:05:58 AM  
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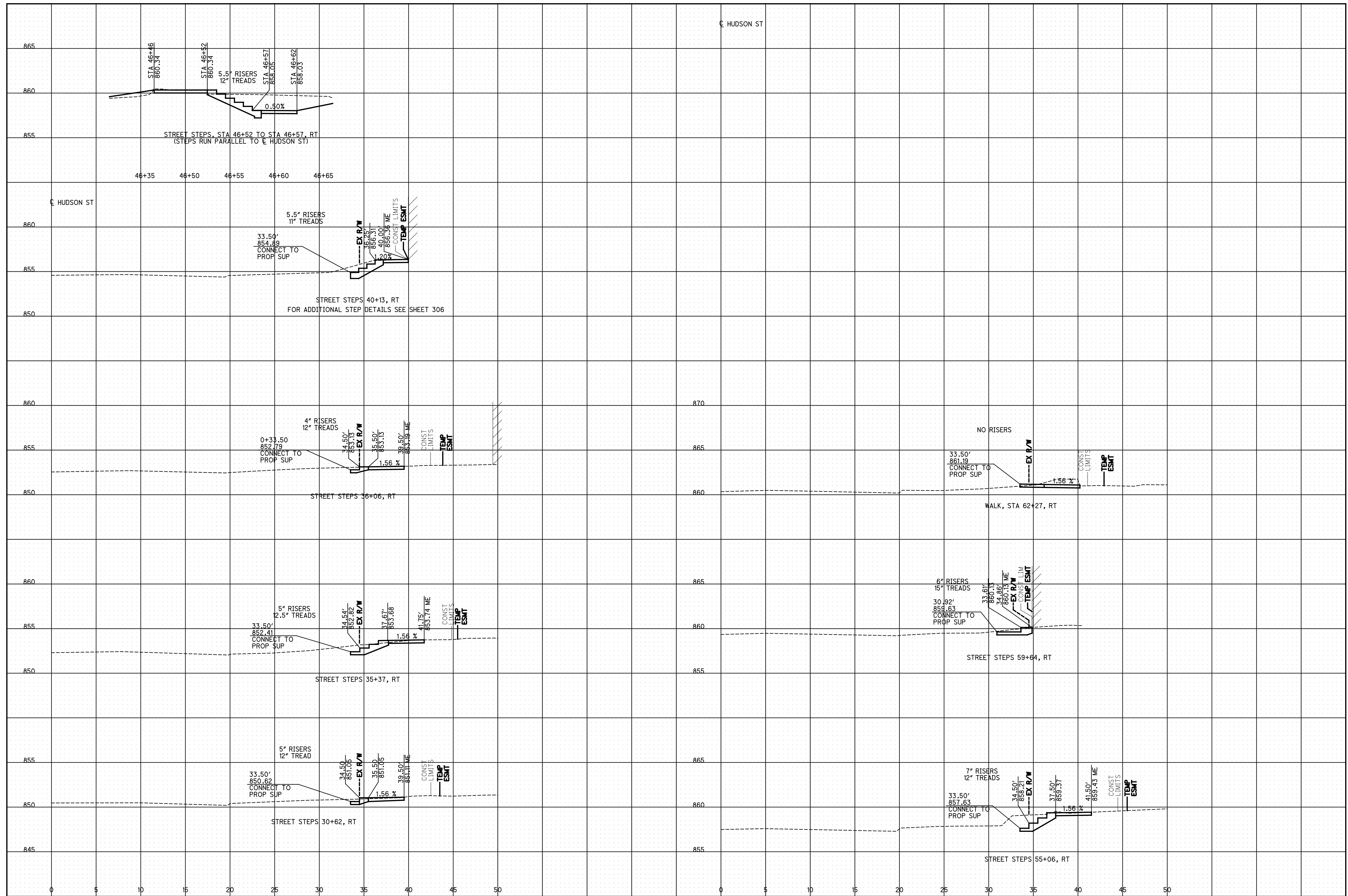
CALCULATED  
JAL  
CHECKED  
MWR

STEP PROFILES - HUDSON ST (LEFT)

HUDSON ST

310  
535

3575-E

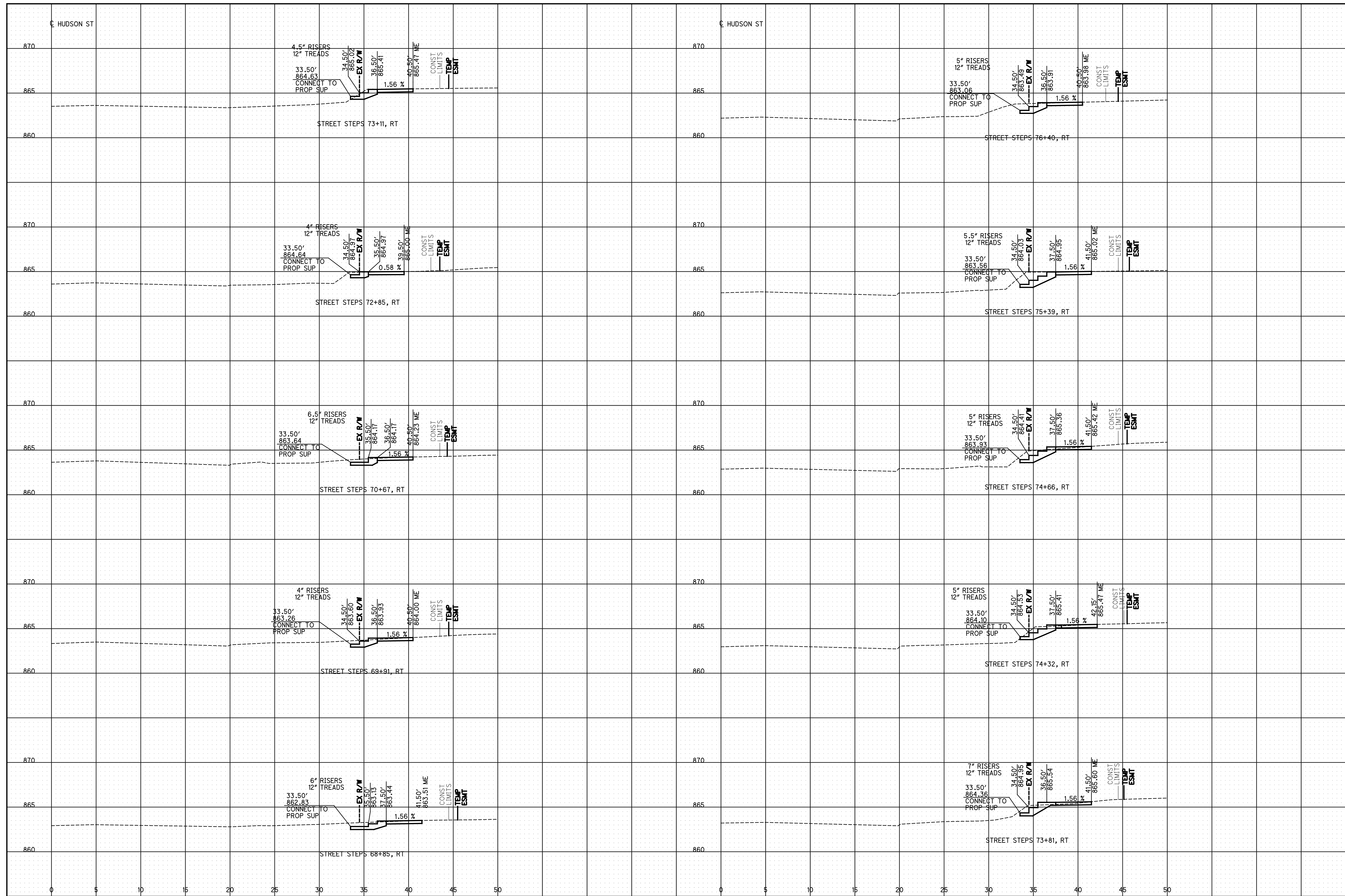


CALCULATED  
JAL  
CHECKED  
MWR

STEP PROFILES - HUDSON ST (RIGHT)

HUDSON ST

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10/5/2021 10:06:00 AM  
\\01\2018\02392\C\_Design\02392\_Hudson\Design\Roadway\Sheets\02392\_GD005.dgn



CALCULATED  
JAL  
CHECKED  
MWR

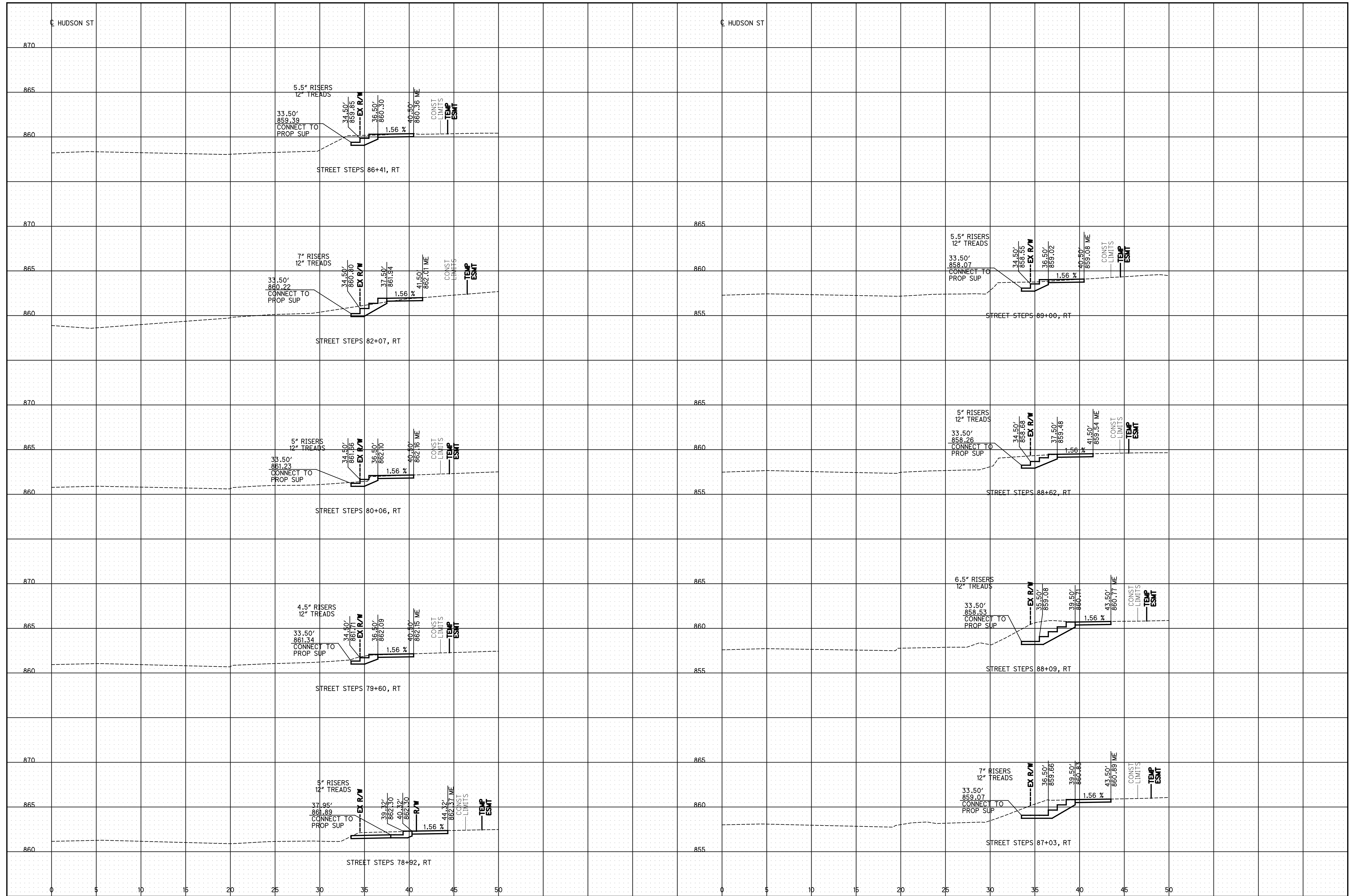
STEP PROFILES - HUDSON ST (RIGHT)

HUDSON ST

312  
535

3575-E





NOTE: CURB STATIONING IS ALONG FACE OF CURB



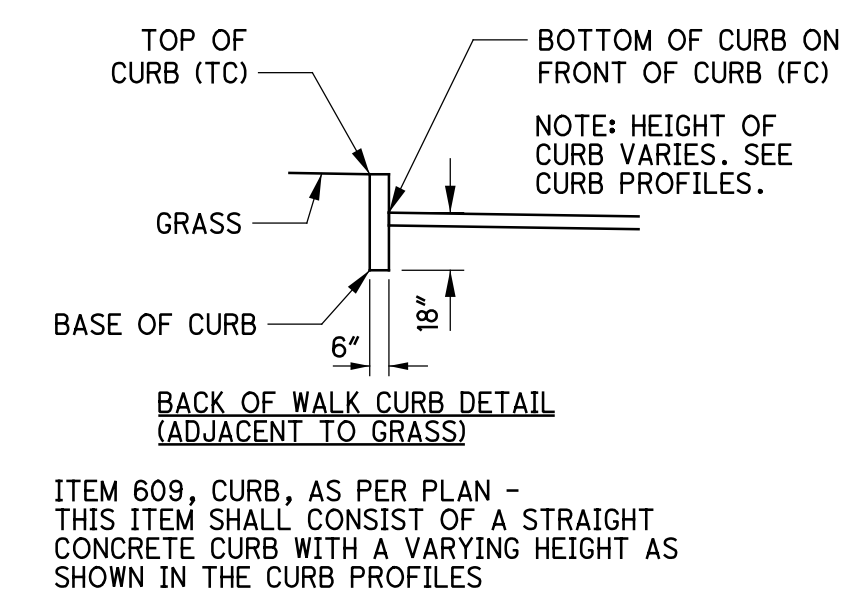
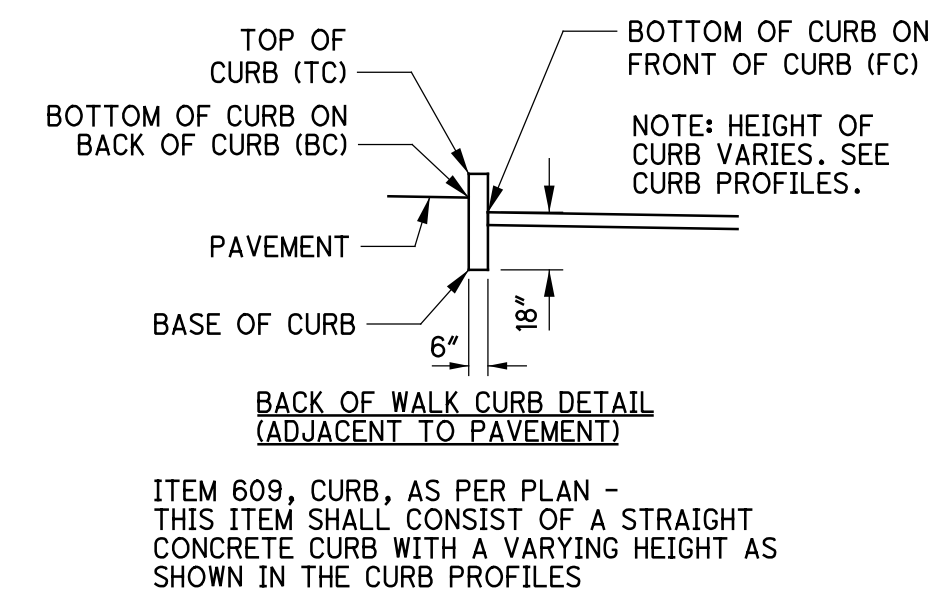
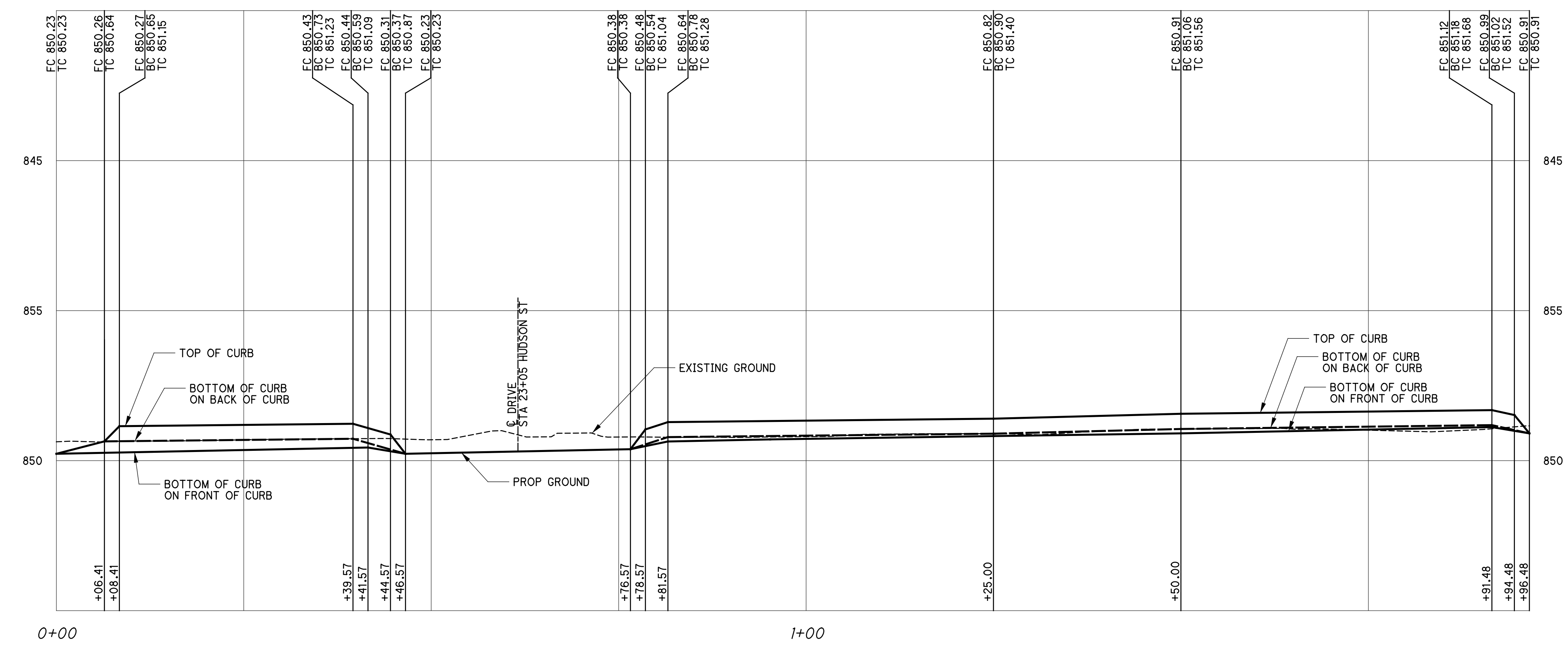
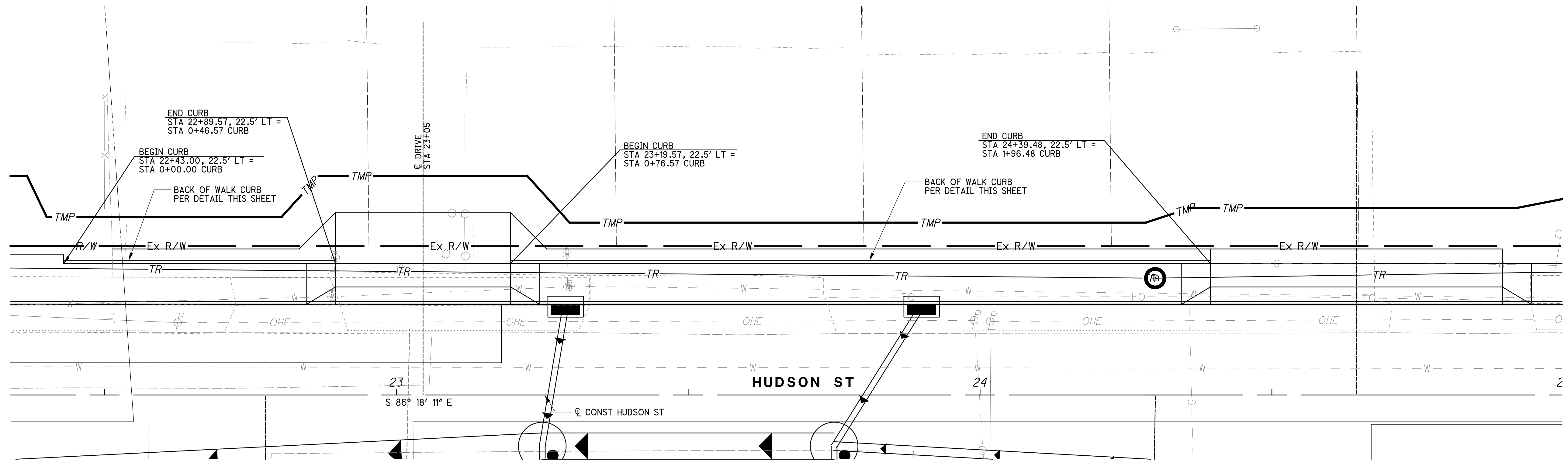
0 10 20  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
JRS  
CHECKED  
MWR

**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 22+43 TO STA 24+39**

**HUDSON ST**

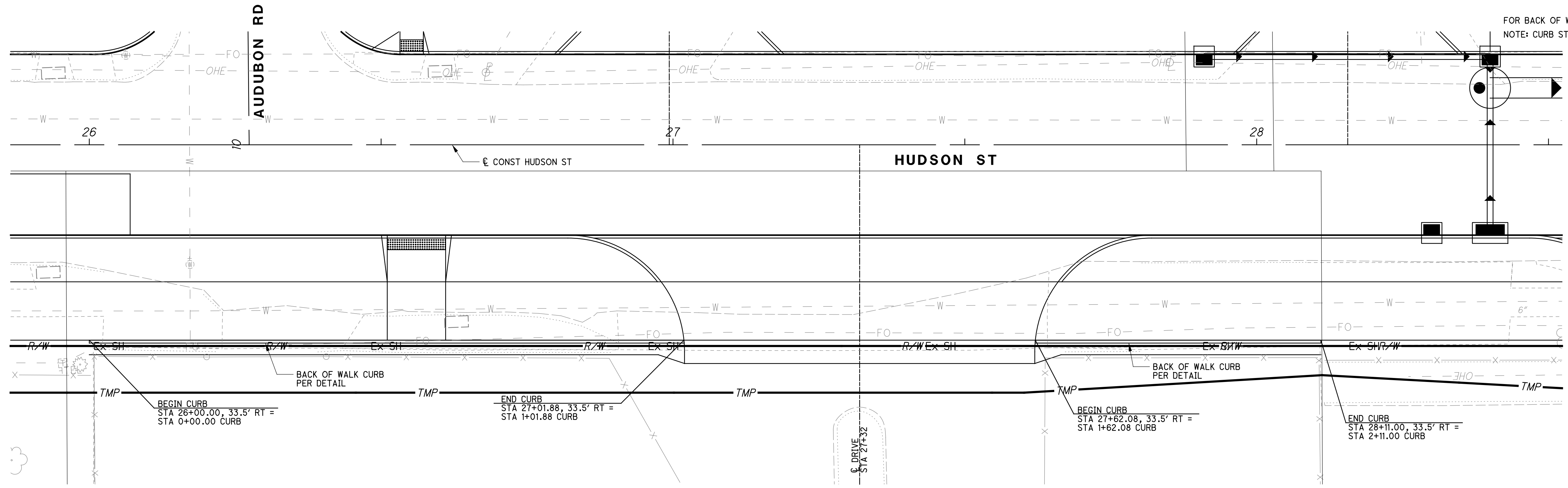
314  
535



BACK OF WALK CURB - HUDSON ST  
STA 22+43.00 TO STA 24+39.48, LT

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isotasz  
 10/5/2021 10:06:05 AM  
 \\01\2018\02392\C.Design\02392\_Hudson\Design\Roadway\Sheets\02392\_WP002.dgn

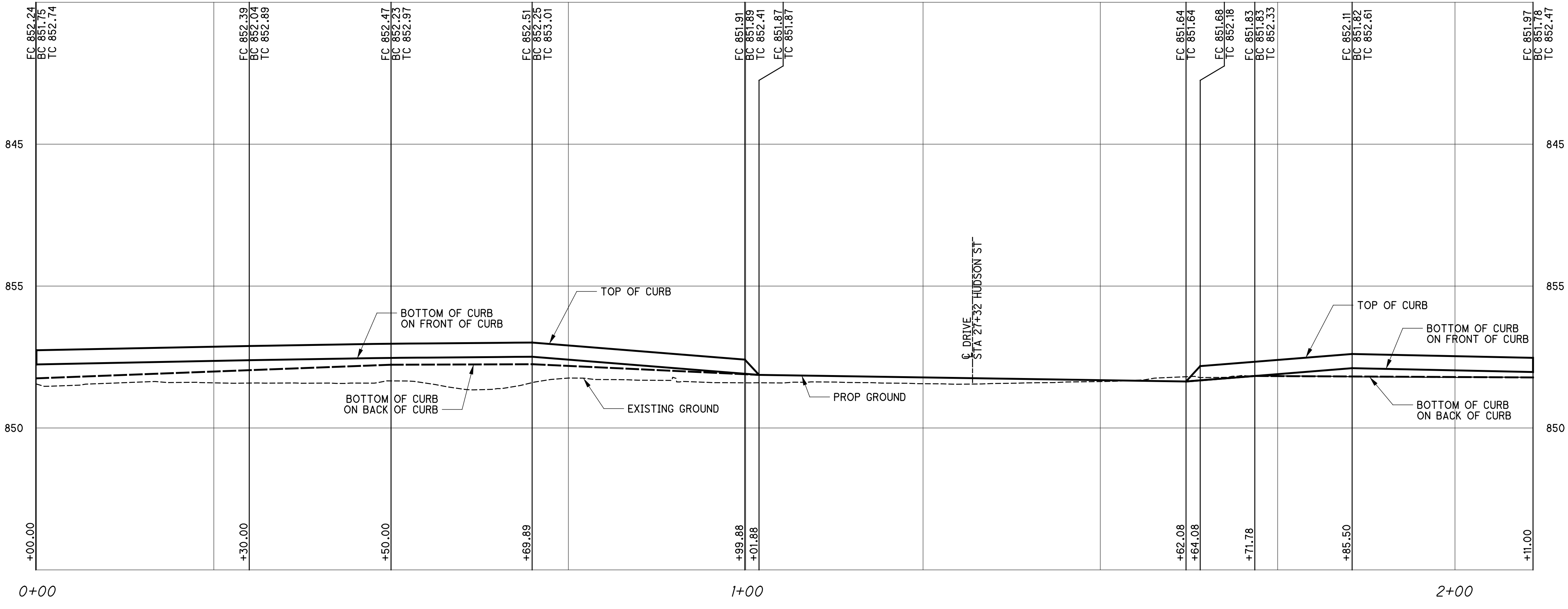


FOR BACK OF WALK CURB DETAILS, SEE SHEET 314  
 NOTE: CURB STATIONING IS ALONG FACE OF CURB

CALCULATED  
 JRS  
 CHECKED  
 MWR

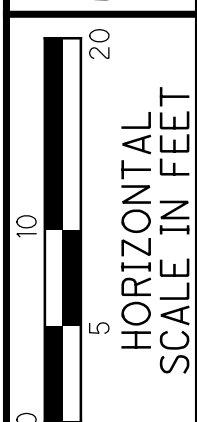
0 10 20  
 HORIZONTAL  
 SCALE IN FEET

**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 26+00 TO STA 28+11**



BACK OF WALK CURB - HUDSON ST  
 STA 26+00.00 TO STA 28+11.00, RT

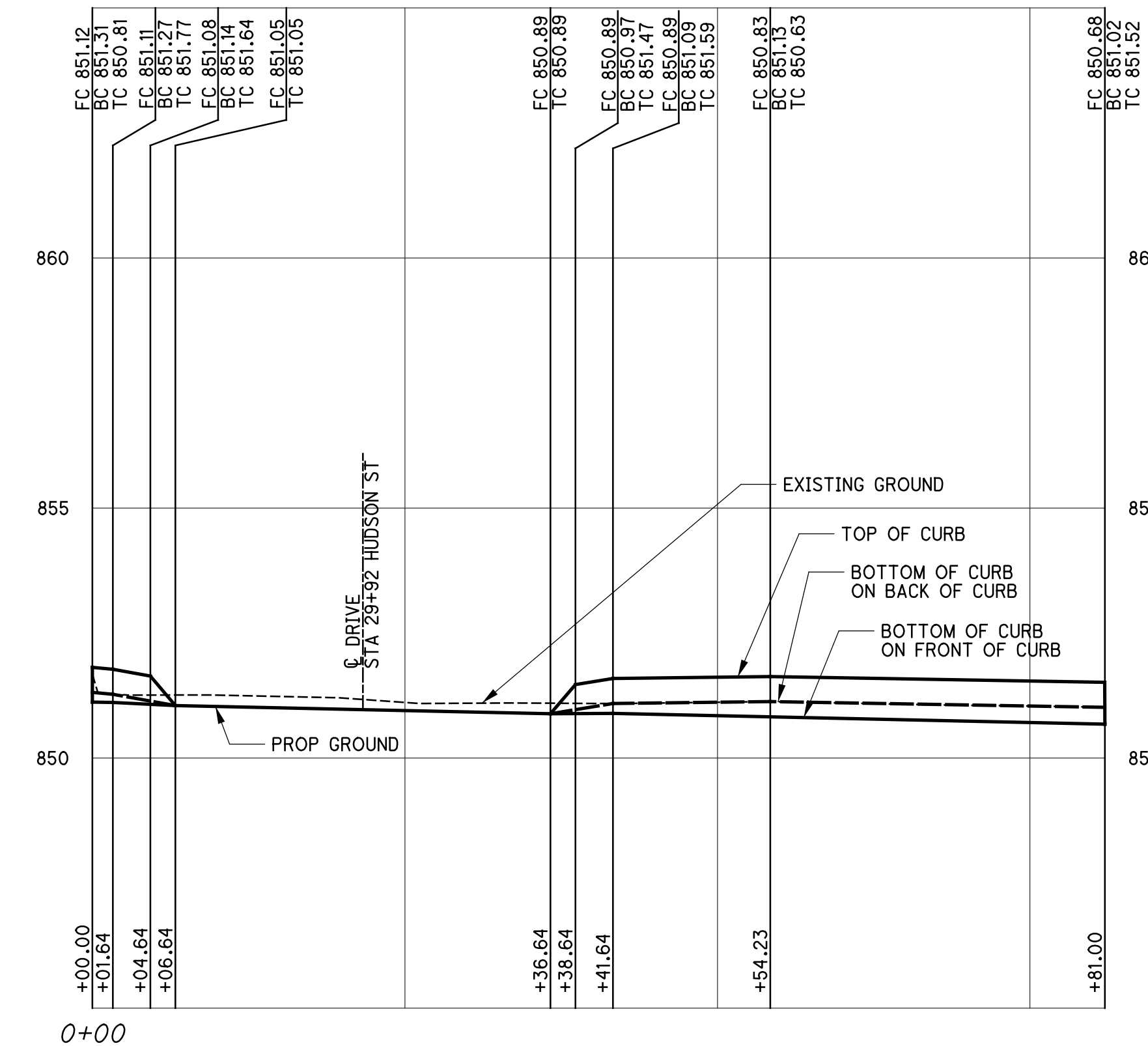
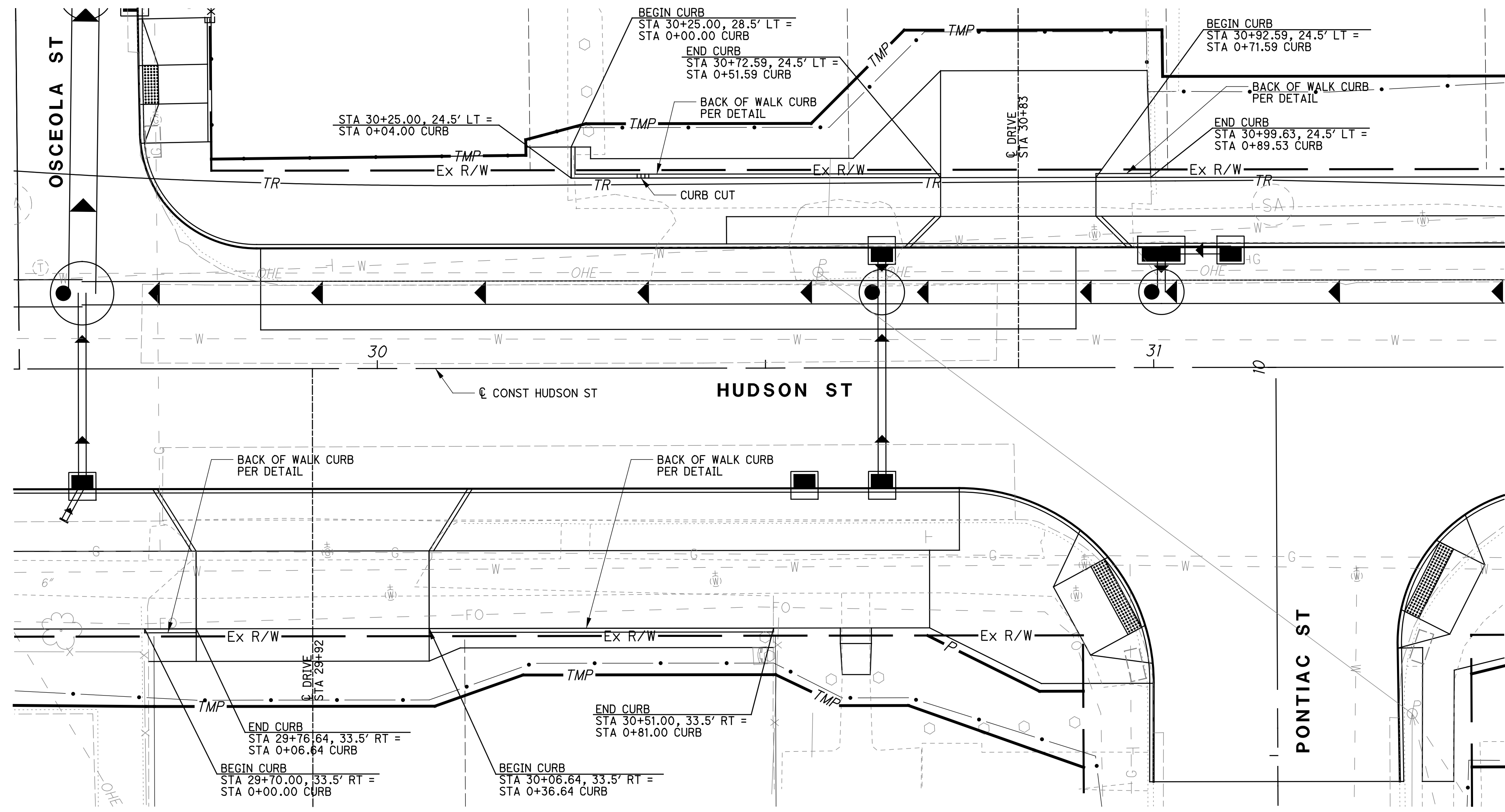
**HUDSON ST**



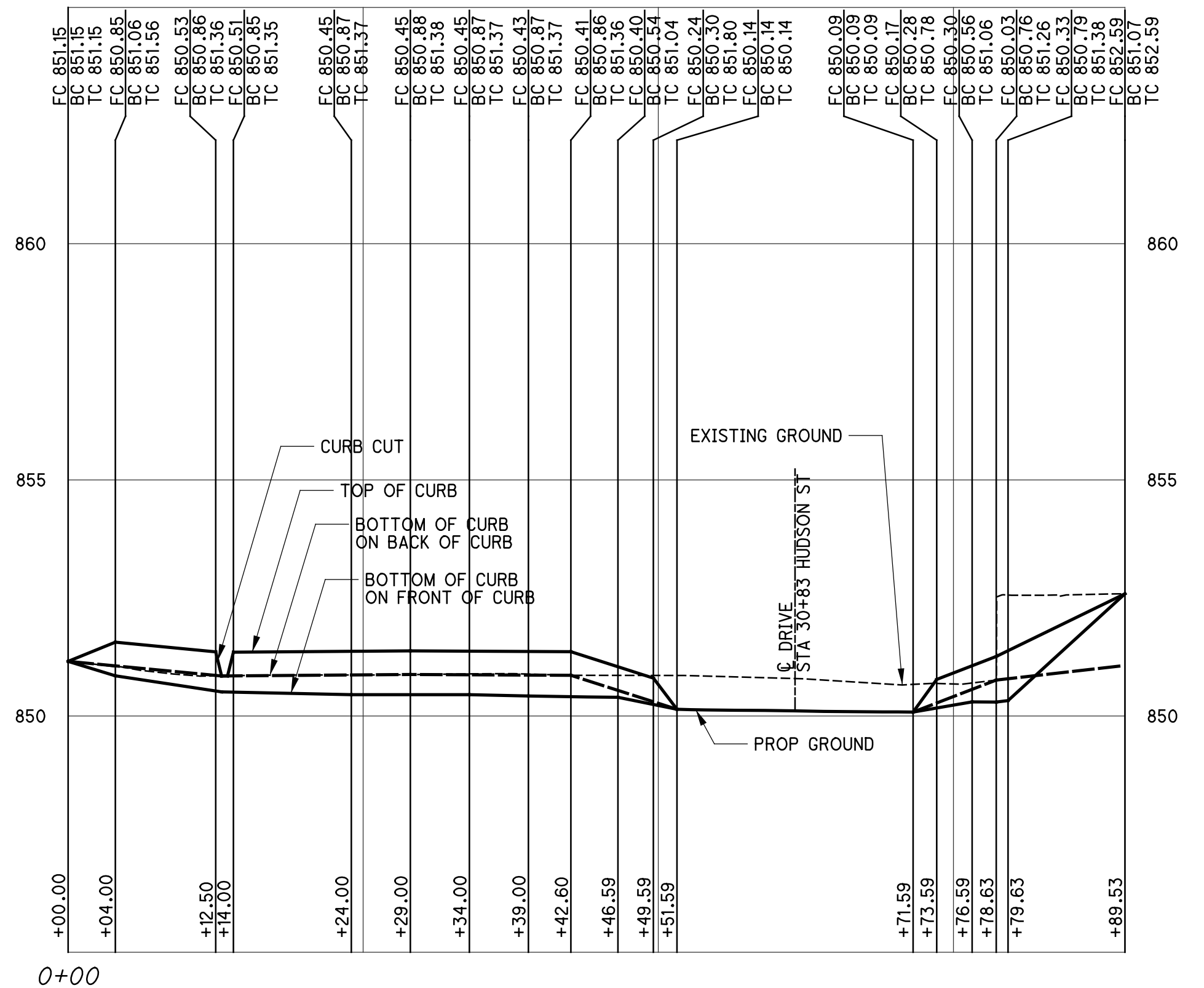
CALCULATED JRS  
 CHECKED MWR

**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 29+70 TO STA 31+00**

**HUDSON ST**



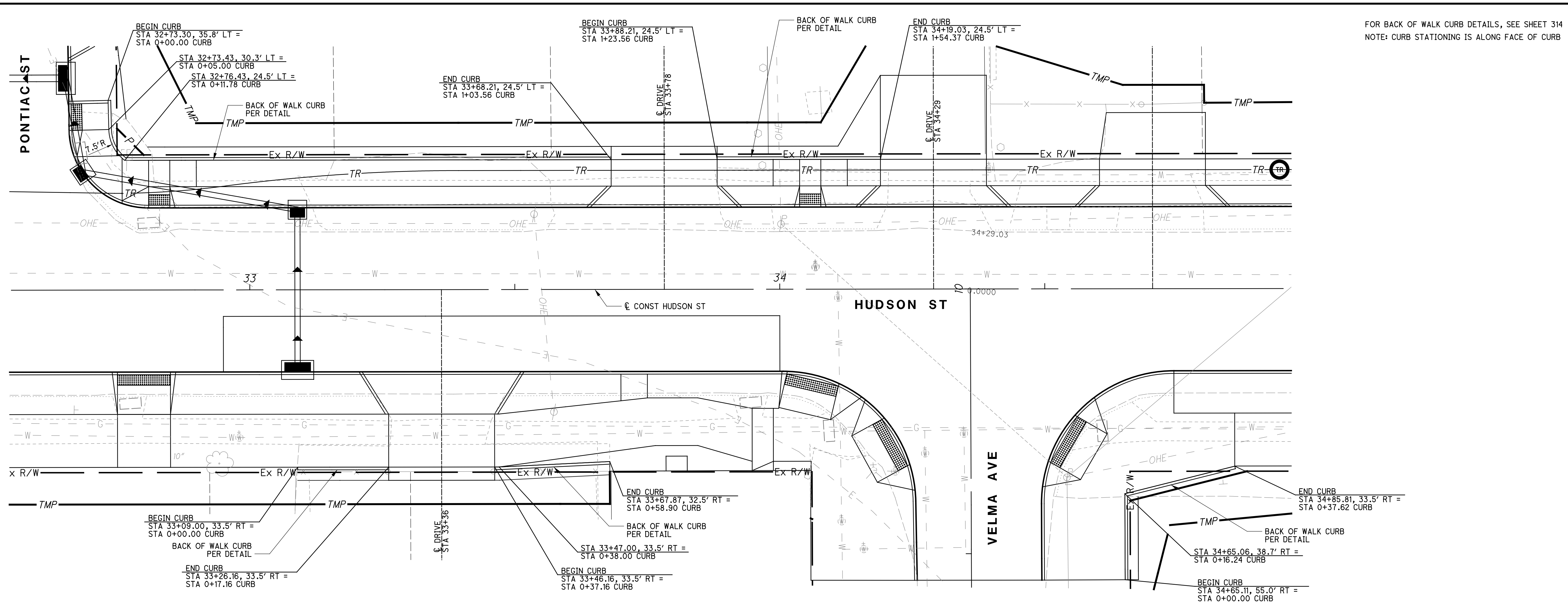
BACK OF WALK CURB - HUDSON ST  
 STA 29+70.00 TO STA 30+51.00, RT



BACK OF WALK CURB - HUDSON ST  
 STA 30+25.00 TO STA 30+99.63, LT

isoltasz 10/5/2021 10:06:05 AM  
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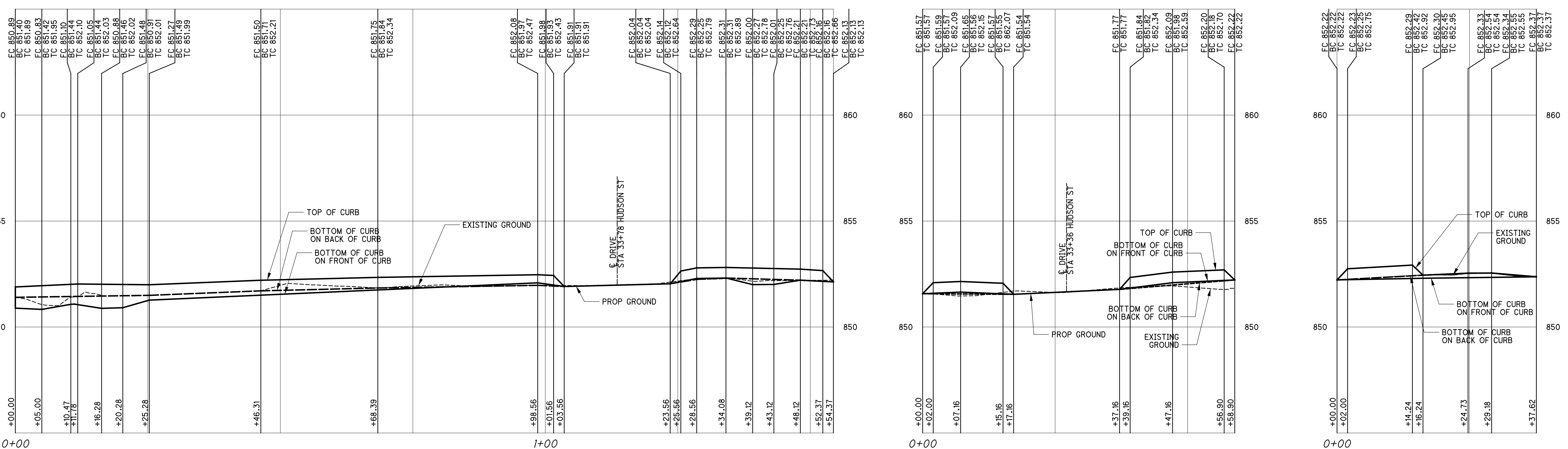
isoltasz 10/5/2021 10:06:05 AM  
 \\01\2018\02392\C.Design\02392\_Hudson\Design\Roadway\Sheets\02392\_WP004.dgn



FOR BACK OF WALK CURB DETAILS, SEE SHEET 314  
 NOTE: CURB STATIONING IS ALONG FACE OF CURB

CALCULATED JRS  
 CHECKED MWR

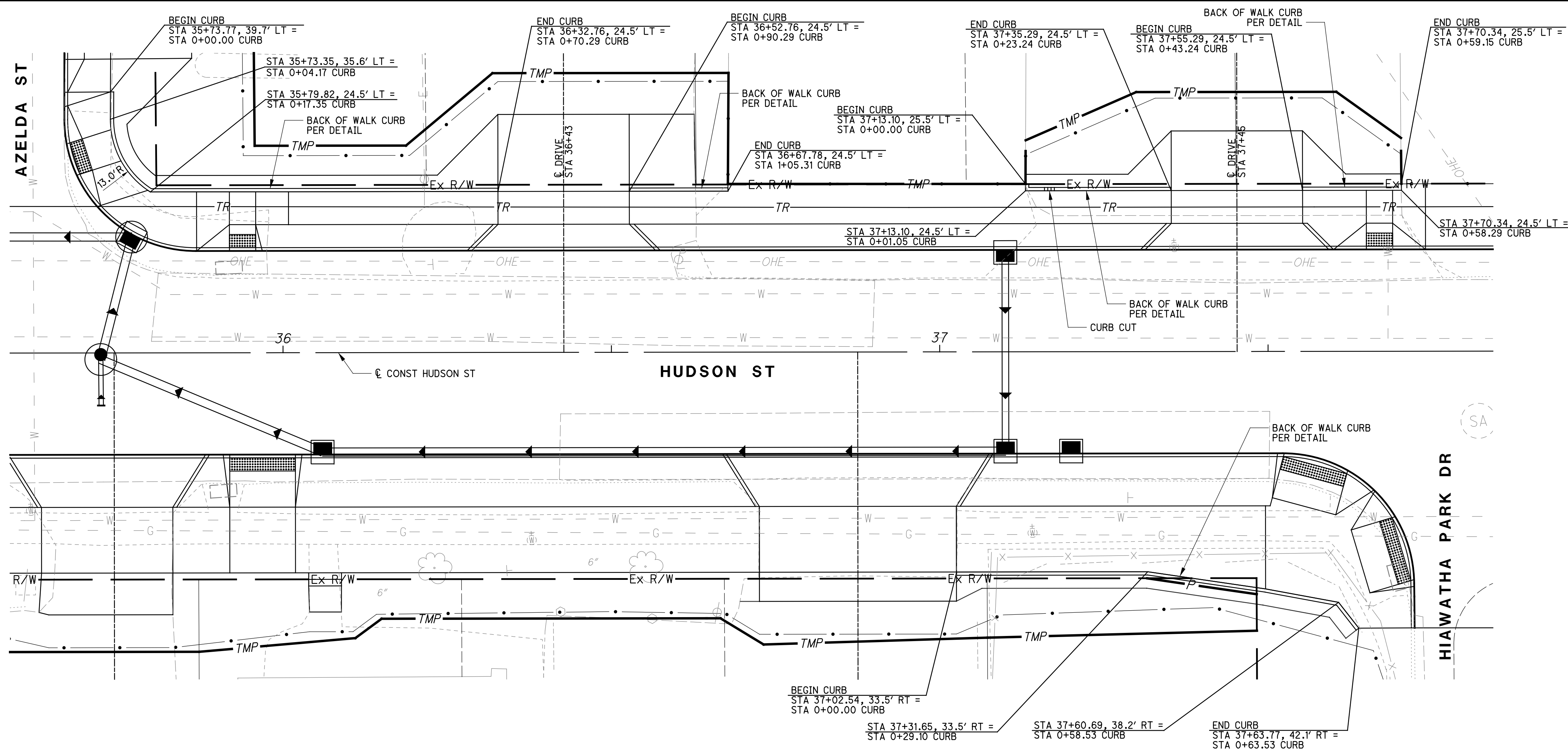
HORIZONTAL SCALE IN FEET  
 0 5 10 20



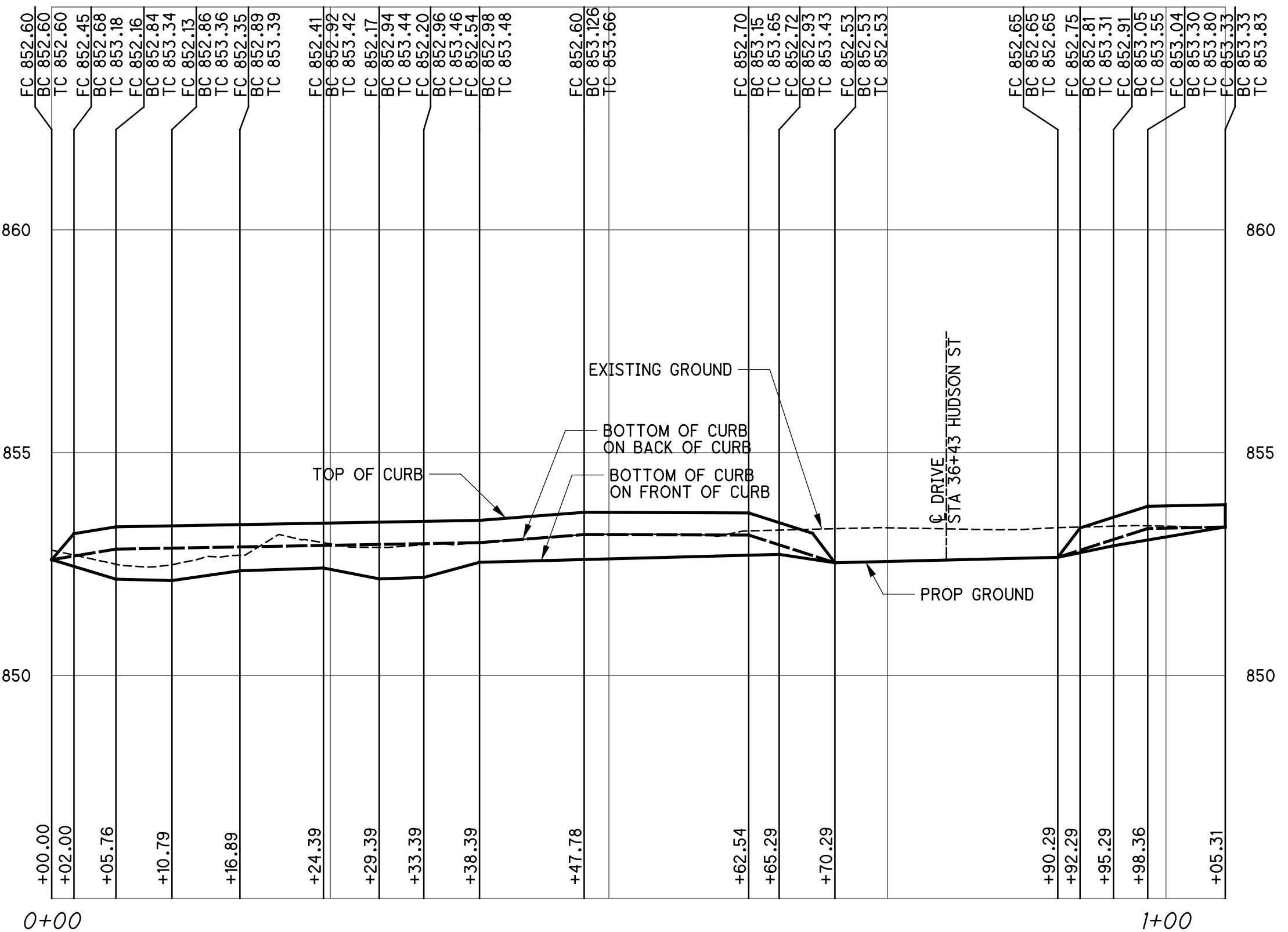
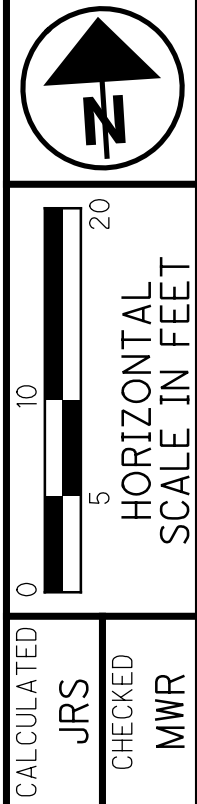
**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 32+73 TO STA 34+86**

**HUDSON ST**

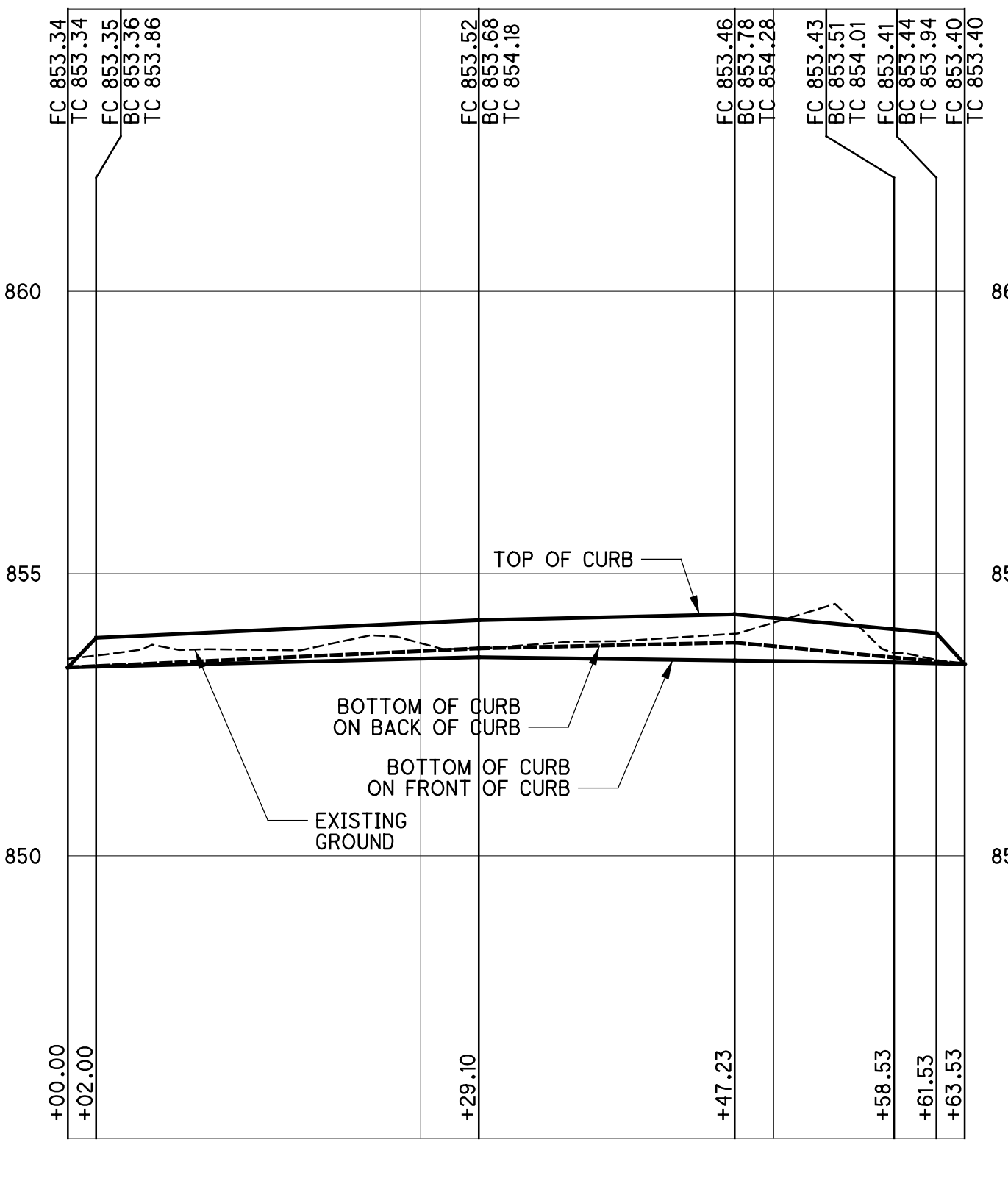
soltesz 10/5/2021 10:06:06 AM  
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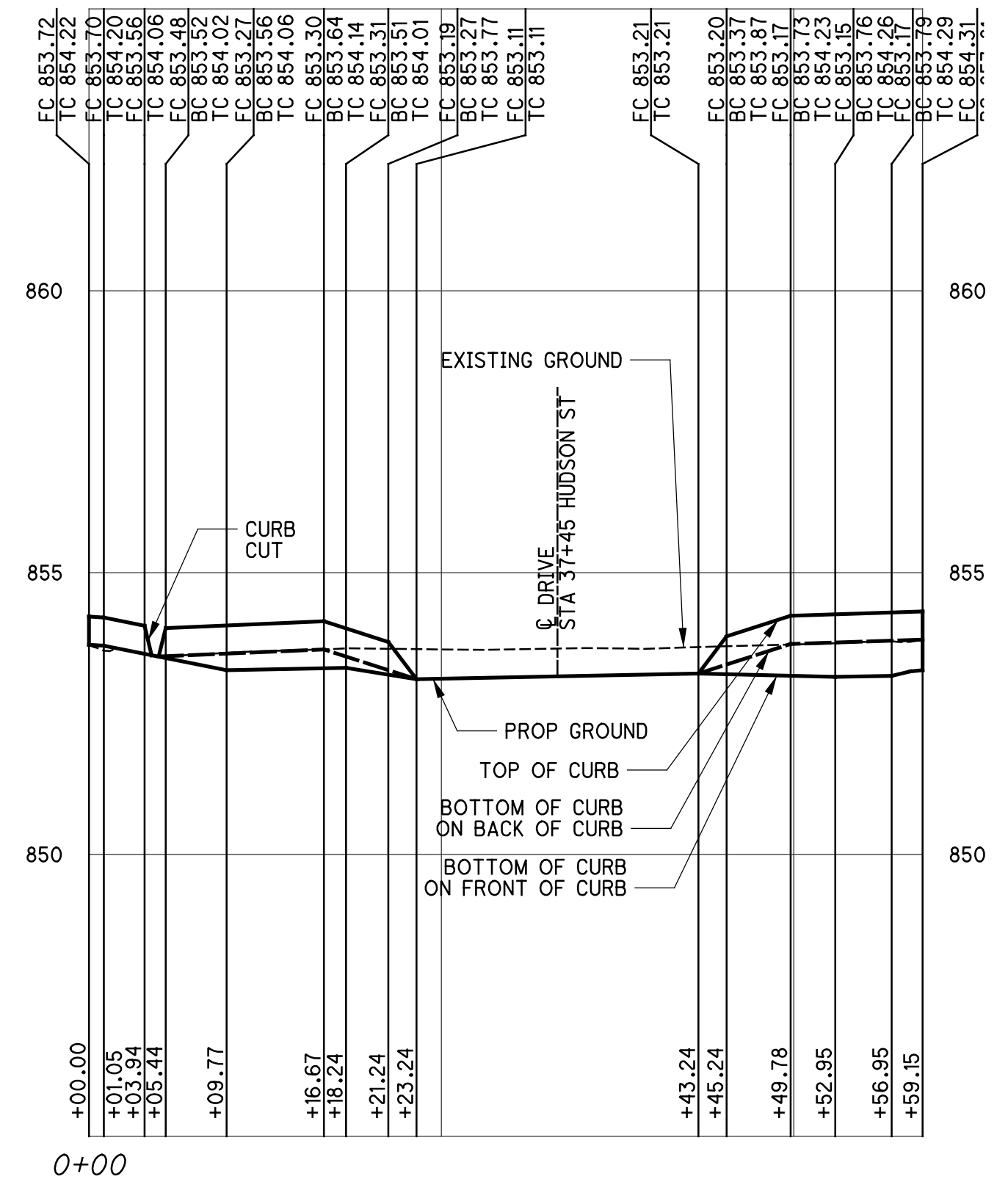
FOR BACK OF WALK CURB DETAILS, SEE SHEET 314  
 NOTE: CURB STATIONING IS ALONG FACE OF CURB



BACK OF WALK CURB - HUDSON ST  
 STA 35+73.77 TO STA 36+67.78, LT



BACK OF WALK CURB - HUDSON ST  
 STA 37+02.54 TO STA 37+63.77, RT

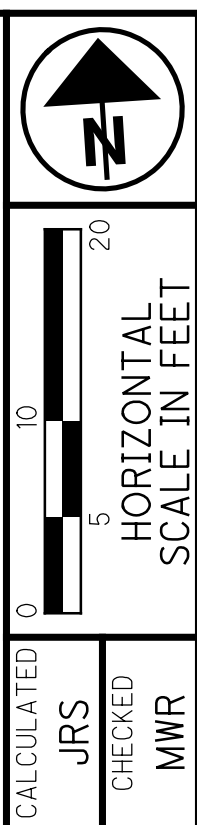
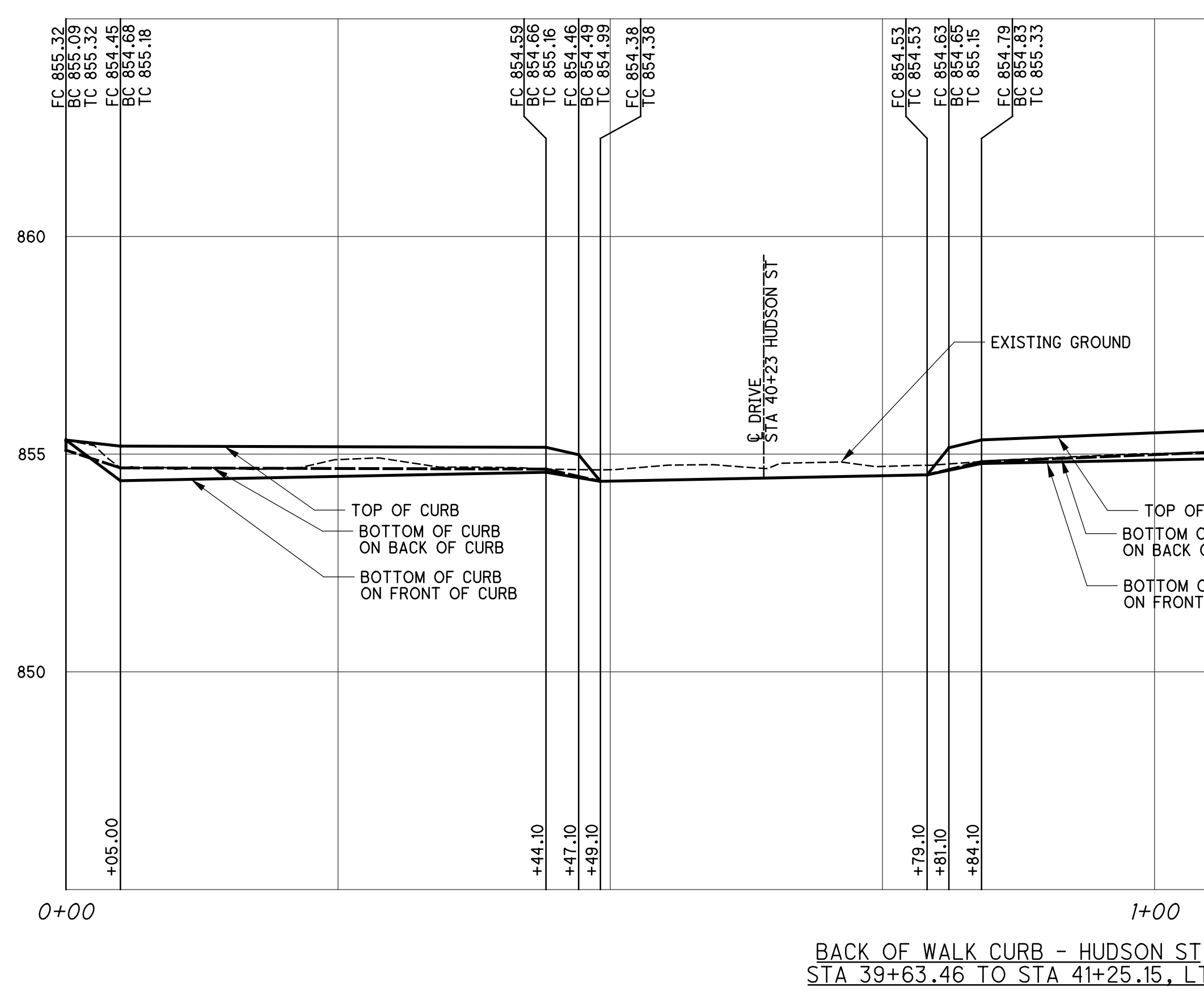
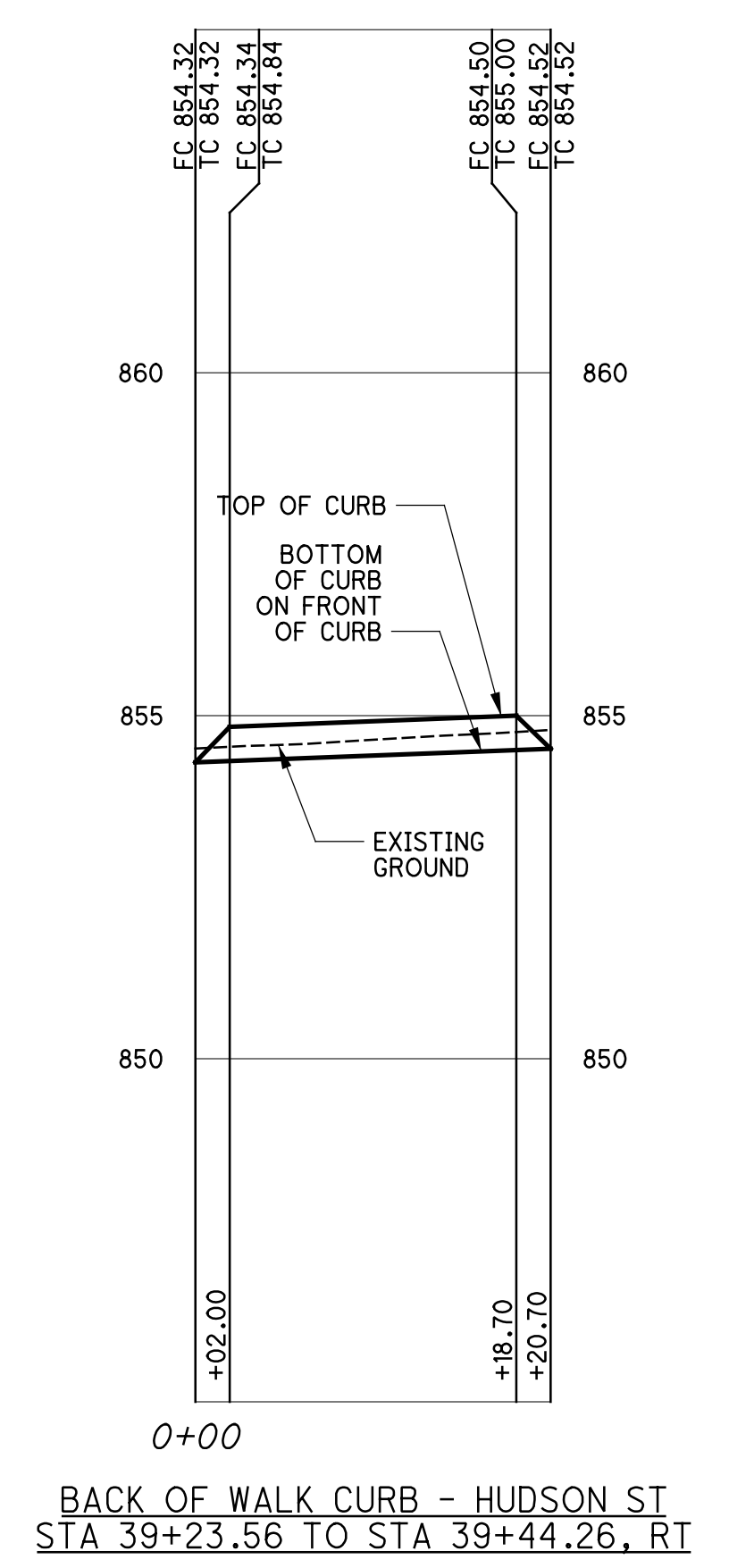
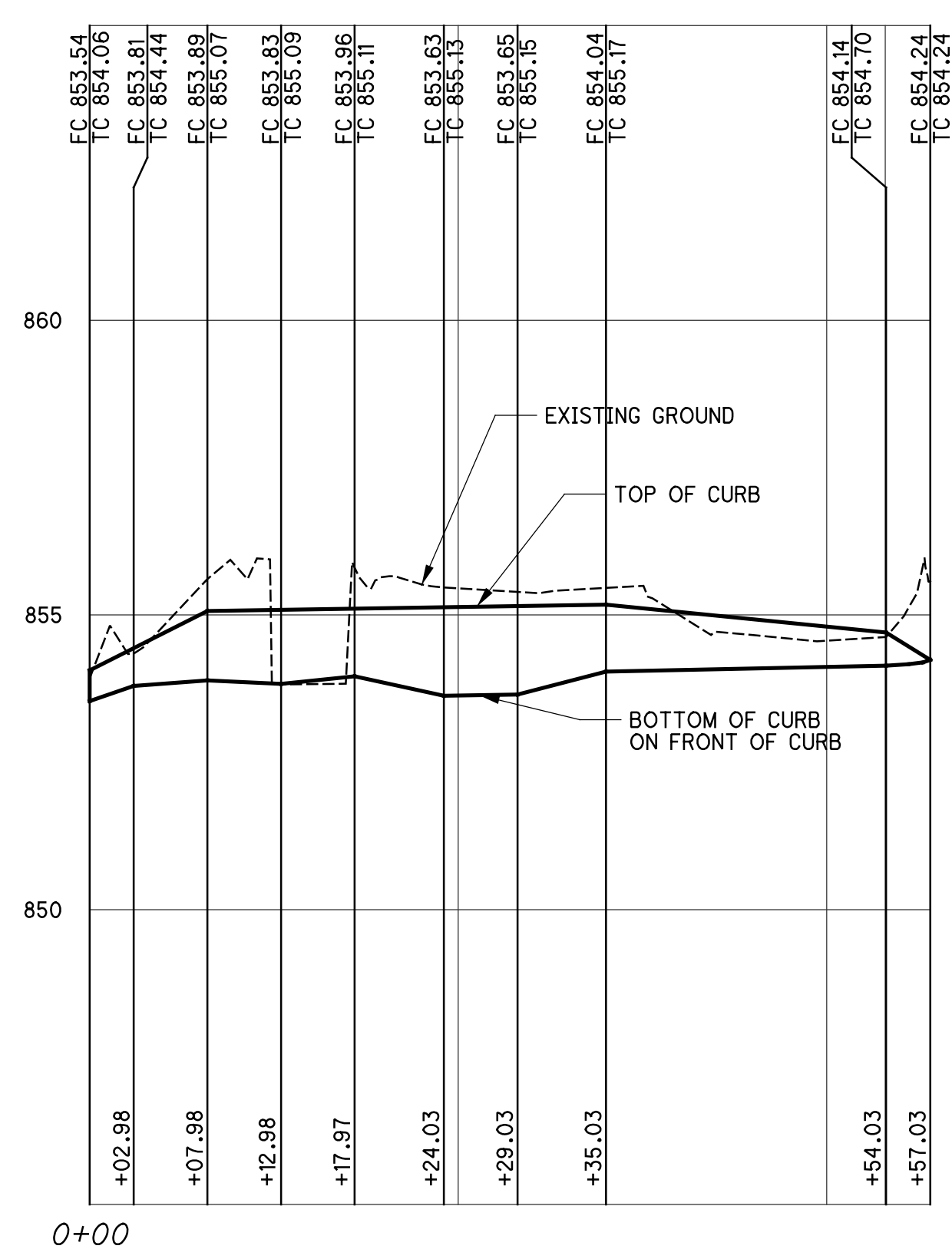
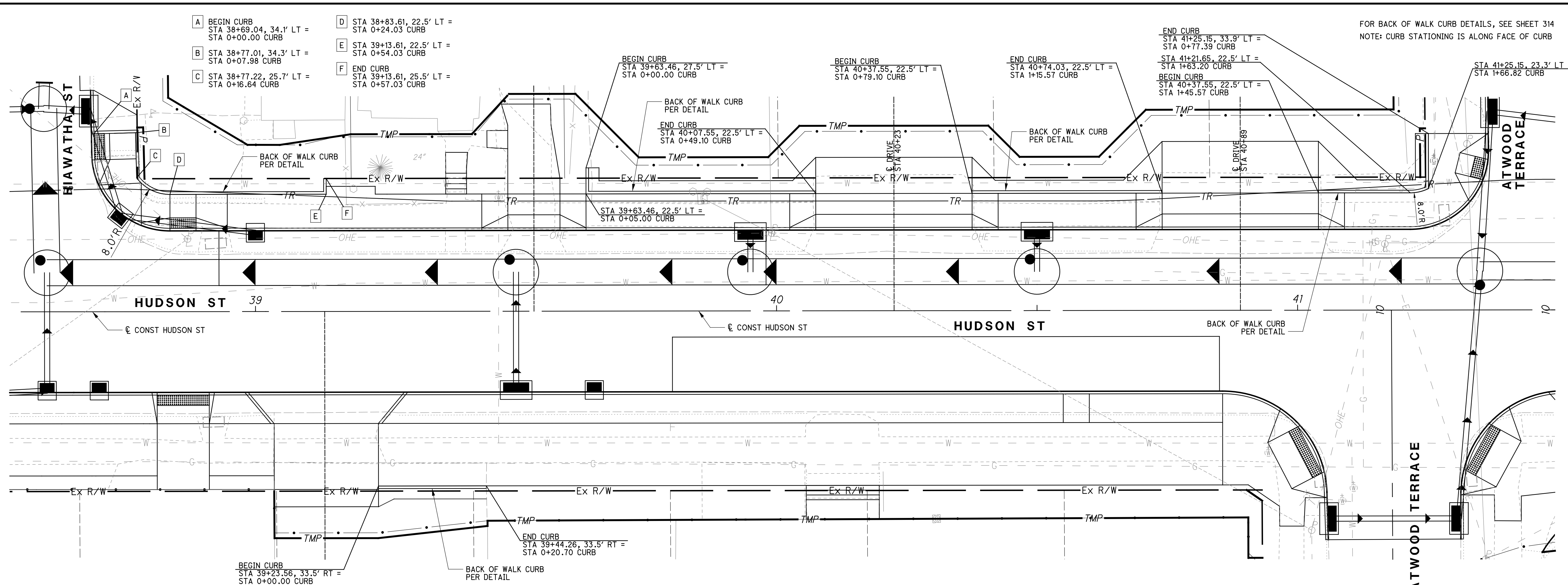


BACK OF WALK CURB - HUDSON ST  
 STA 37+13.10 TO STA 37+70.34, LT

BACK OF WALK CURB DETAILS AND PROFILES  
 HUDSON ST STA 35+74 TO STA 37+70

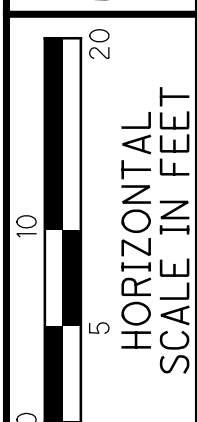
HUDSON ST

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**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 38+63 TO STA 41+25**

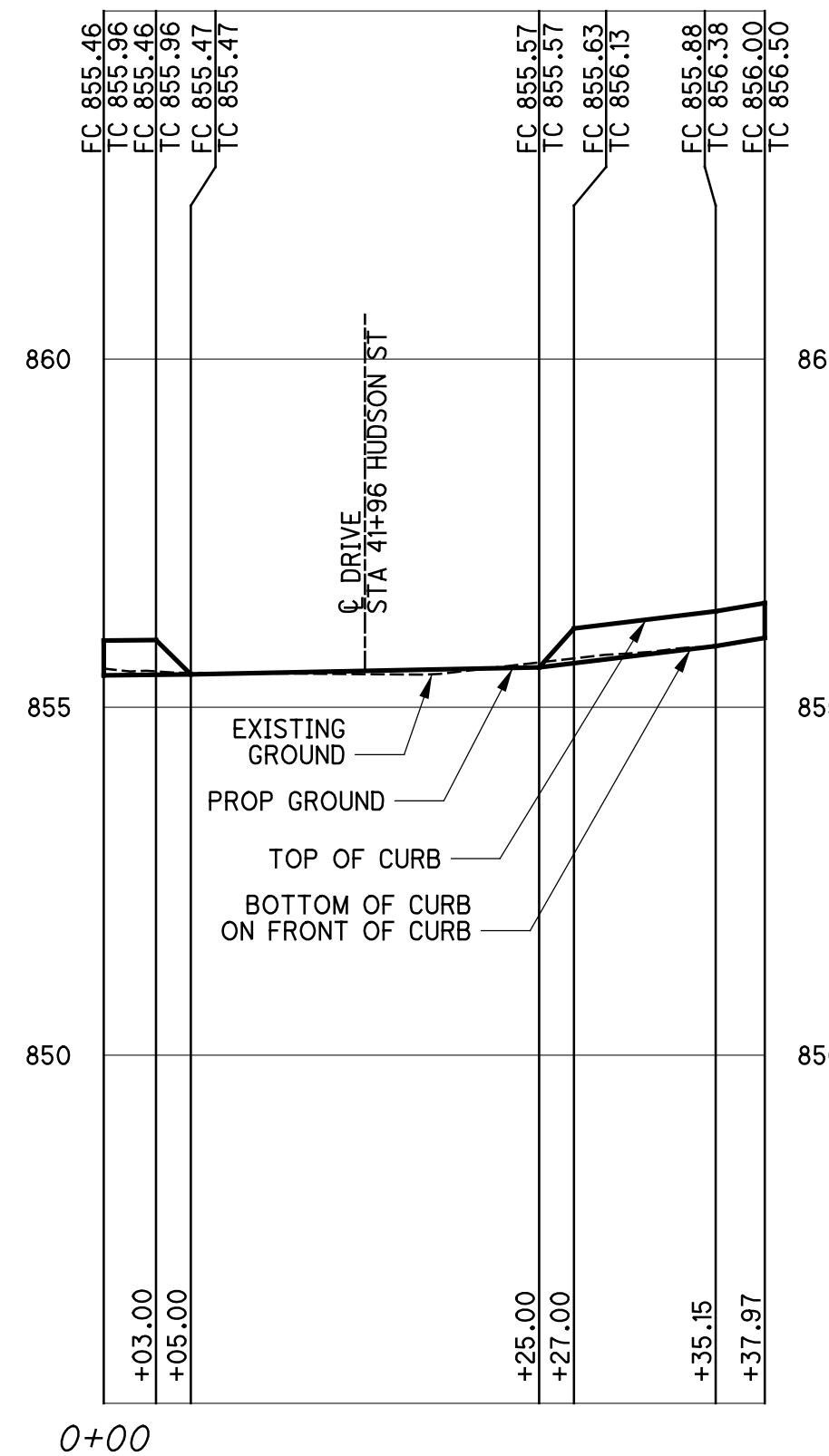
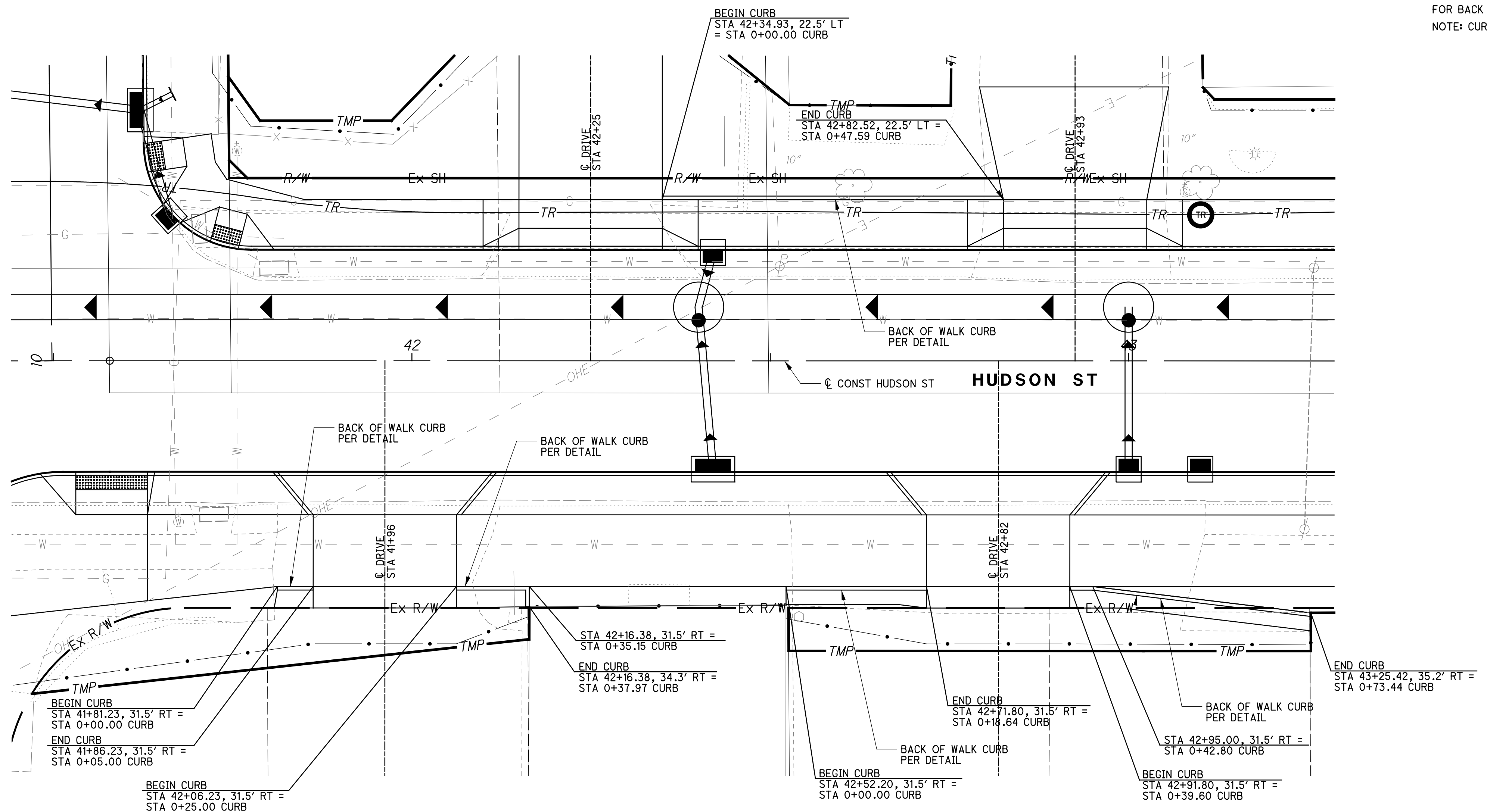
**HUDSON ST**



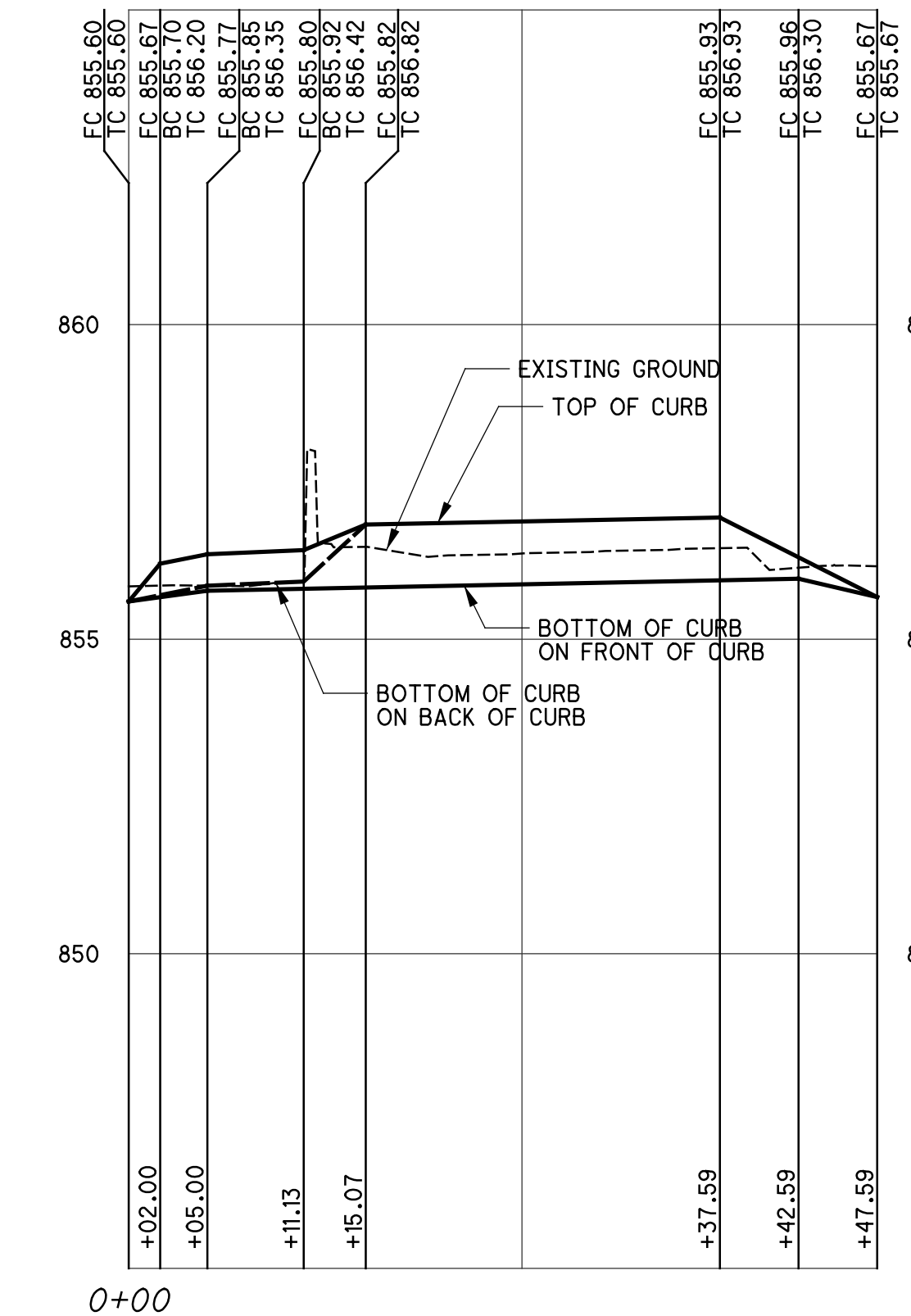
CALCULATED JRS  
CHECKED MWR

BACK OF WALK CURB DETAILS AND PROFILES  
HUDSON ST STA 41+81 TO STA 43+25

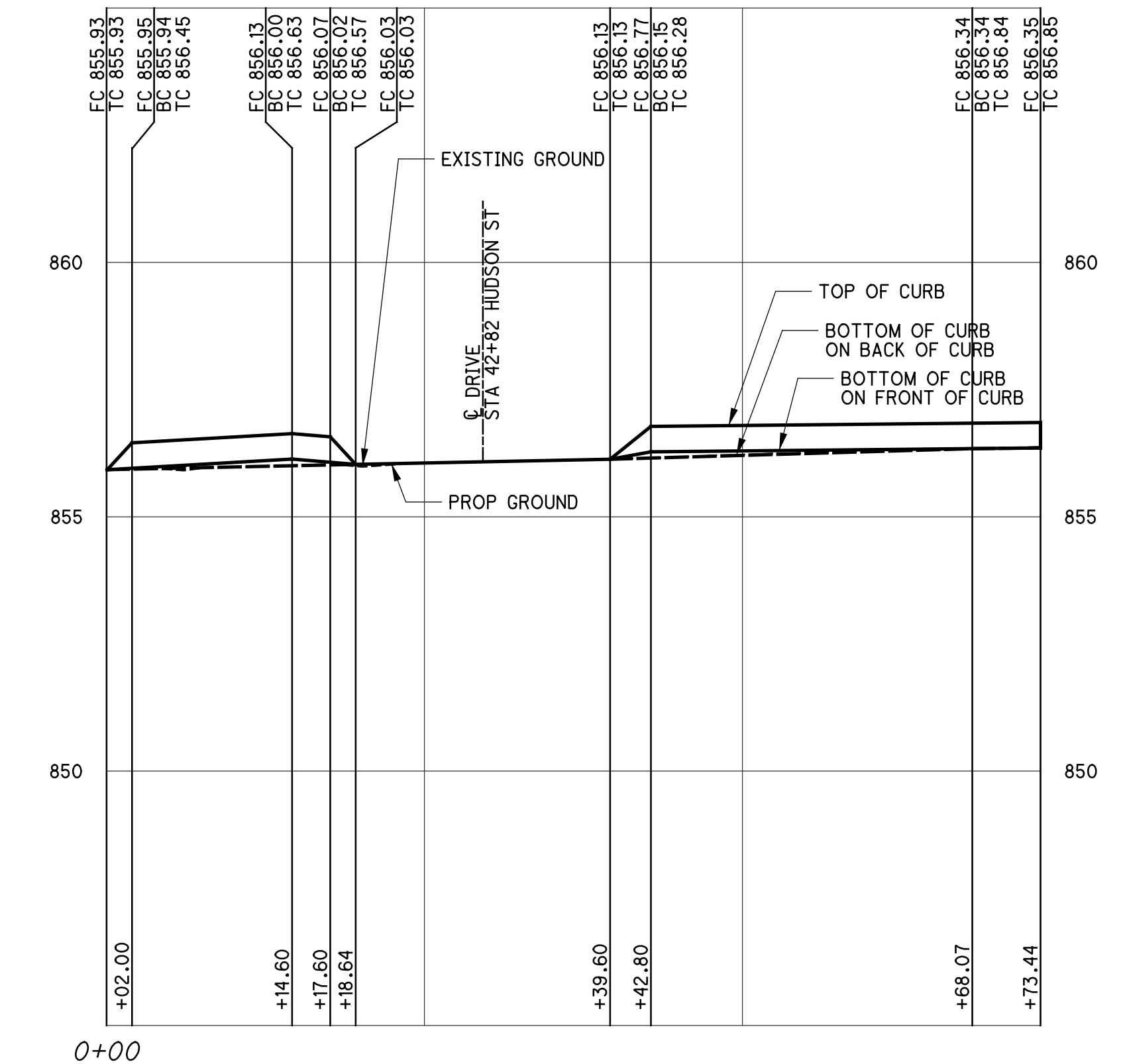
HUDSON ST



BACK OF WALK CURB - HUDSON ST  
STA 41+81.23 TO STA 42+16.83, RT



BACK OF WALK CURB - HUDSON ST  
STA 42+34.93 TO STA 42+82.52, LT



BACK OF WALK CURB - HUDSON ST  
STA 42+52.20 TO STA 43+25.42, RT



FOR BACK OF WALK CURB DETAILS, SEE SHEET 314  
NOTE: CURB STATIONING IS ALONG FACE OF CURB



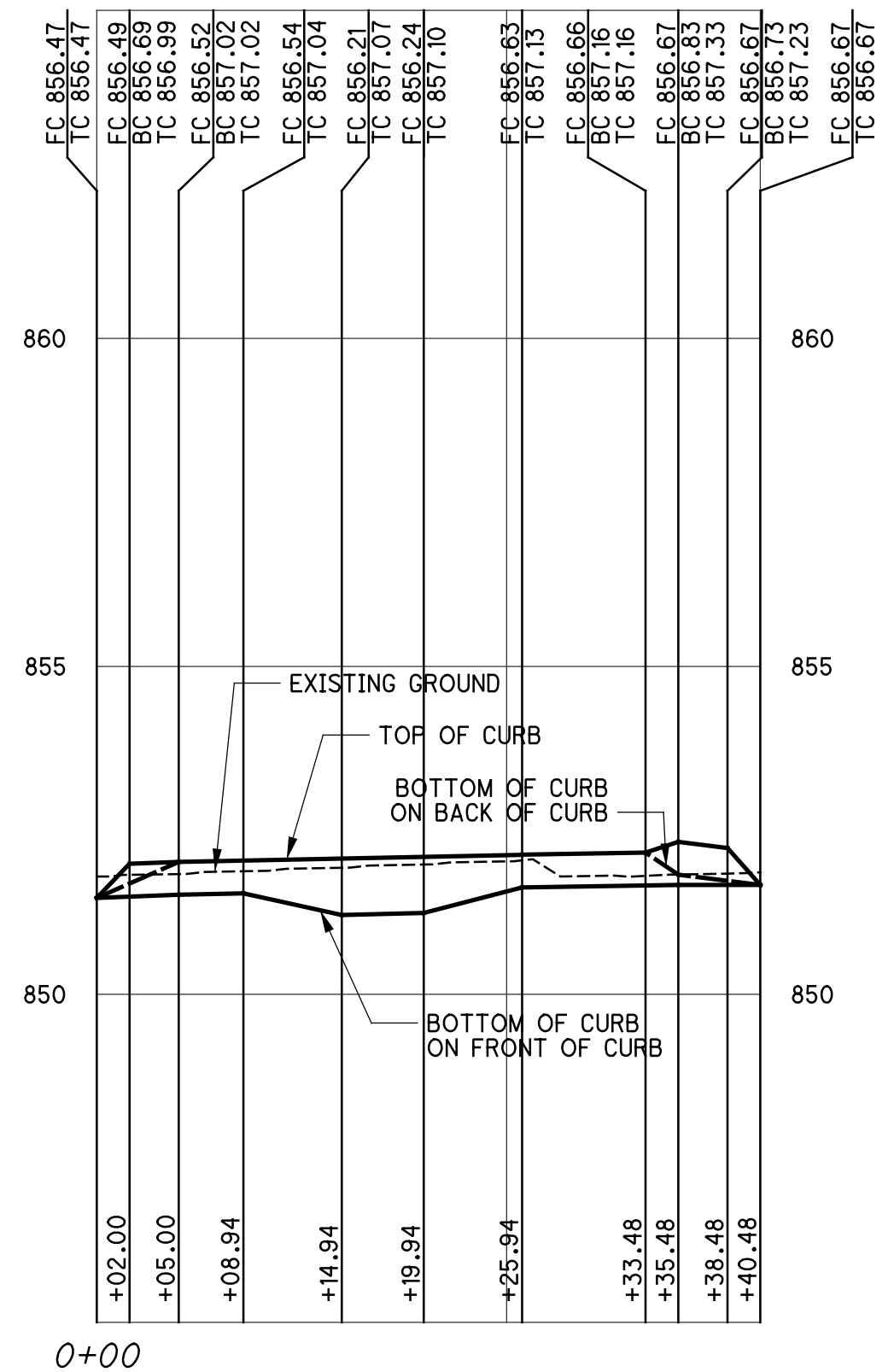
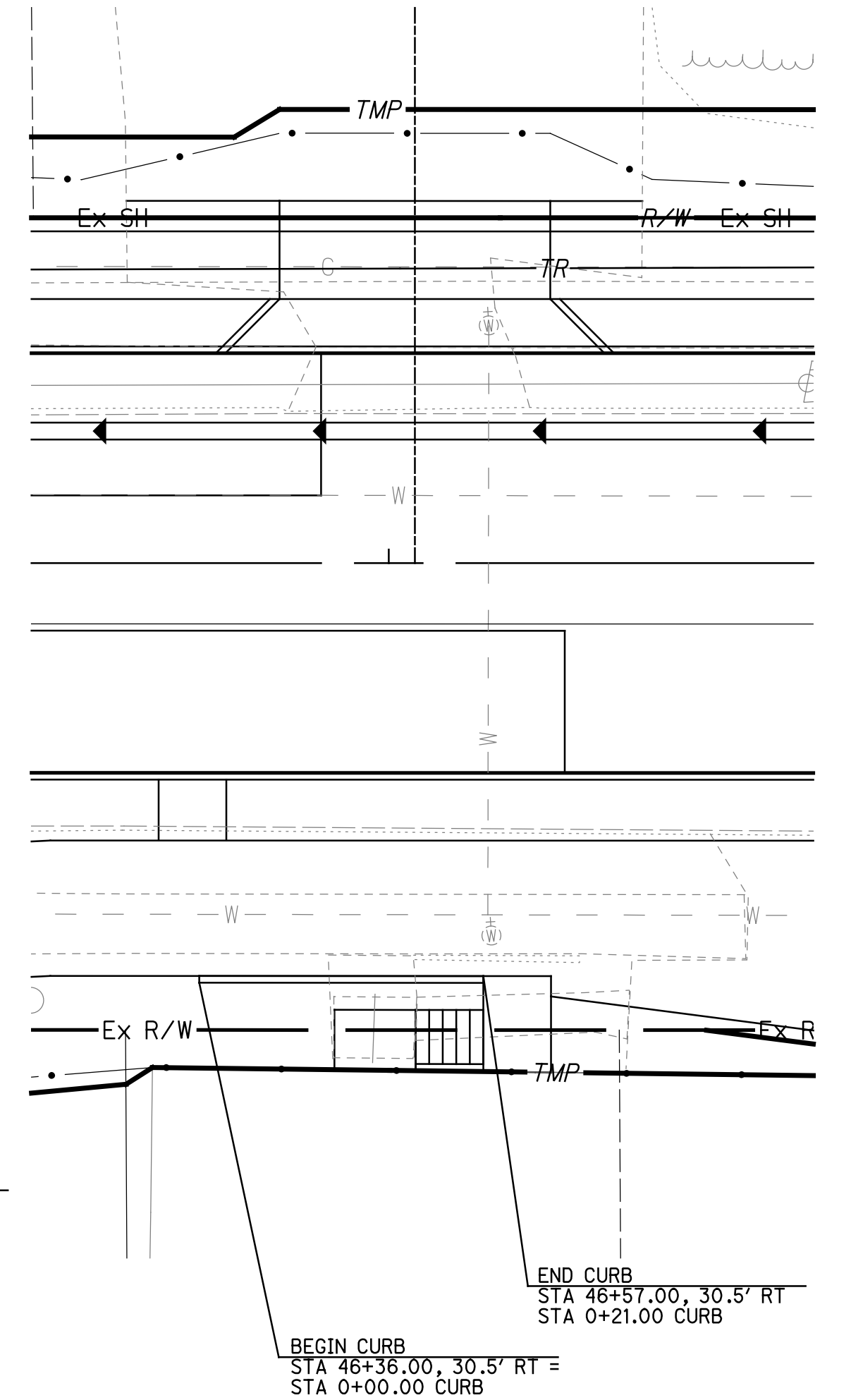
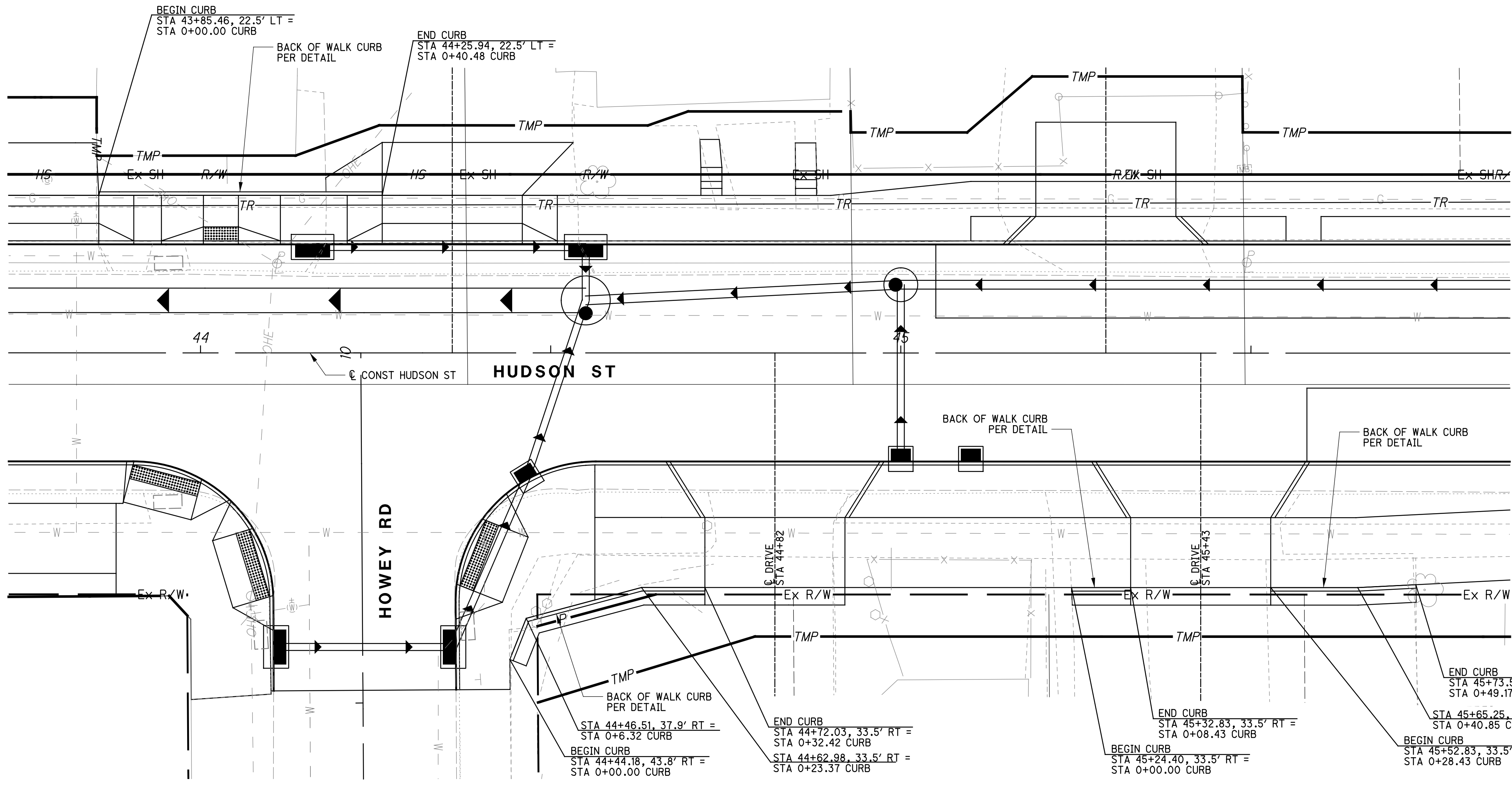
0 5 10 20  
HORIZONTAL  
SCALE IN FEET

CALCULATED JRS  
CHECKED MWR

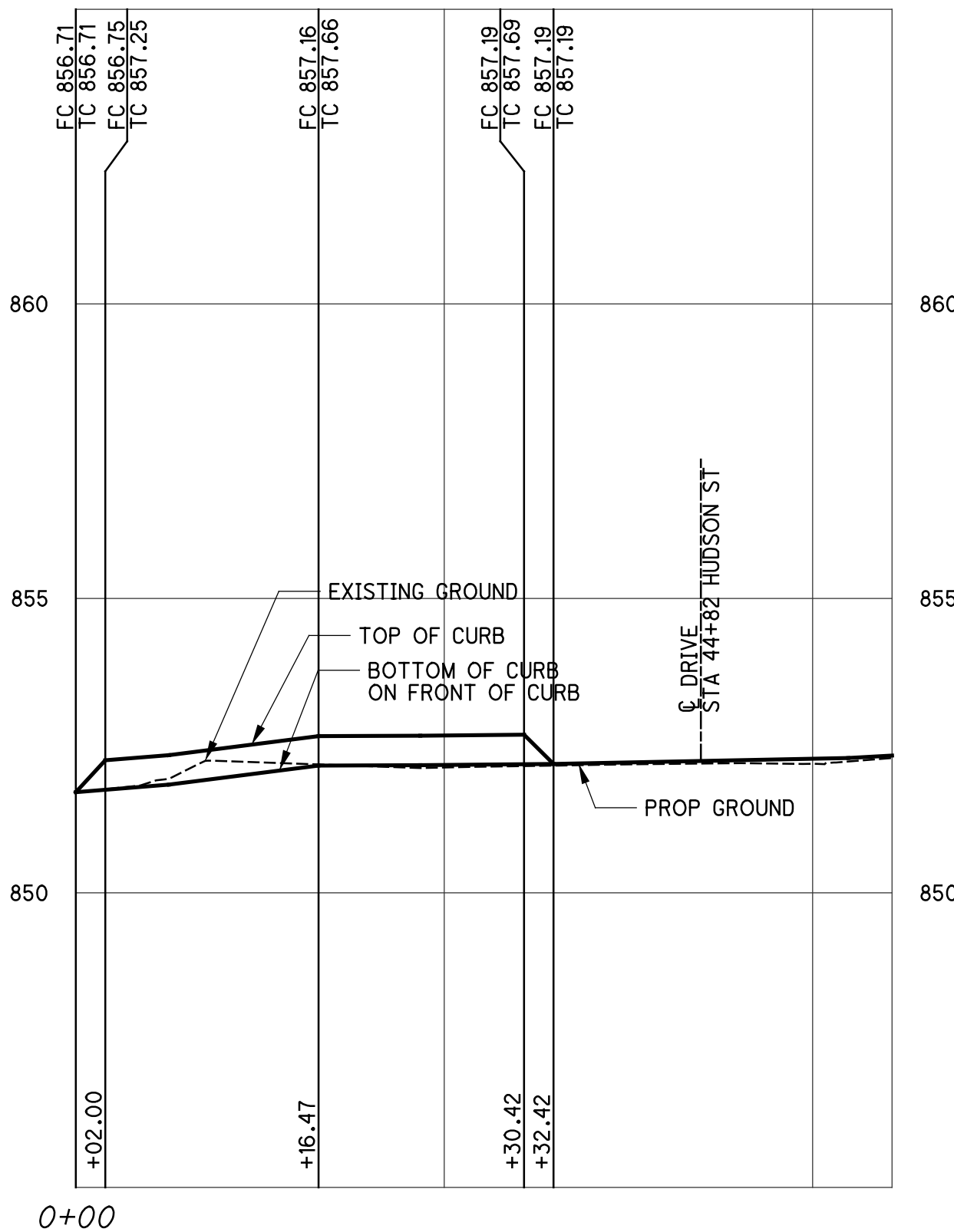
BACK OF WALK CURB DETAILS AND PROFILES  
HUDSON ST STA 43+85 TO STA 46+57

HUDSON ST

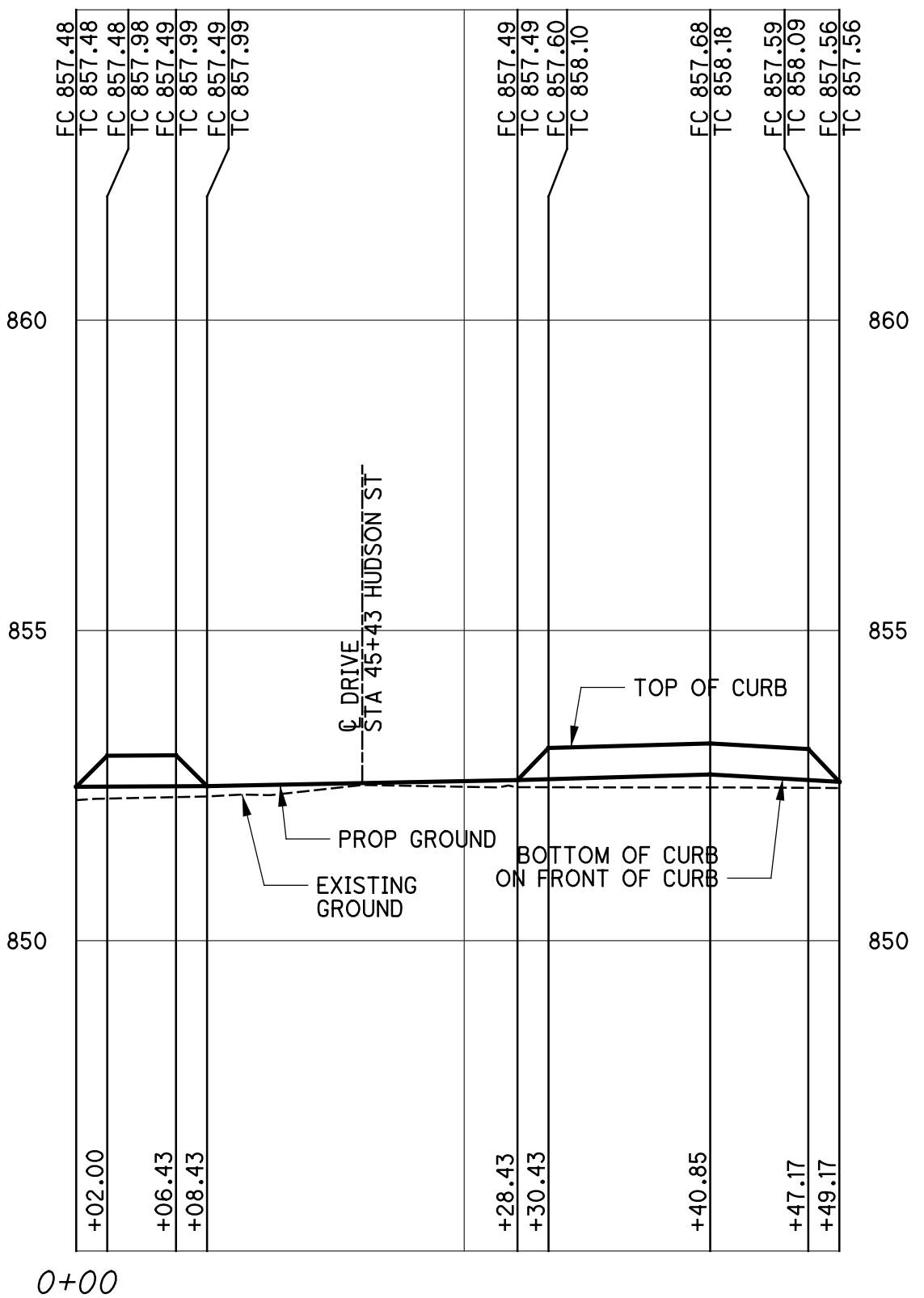
321  
535



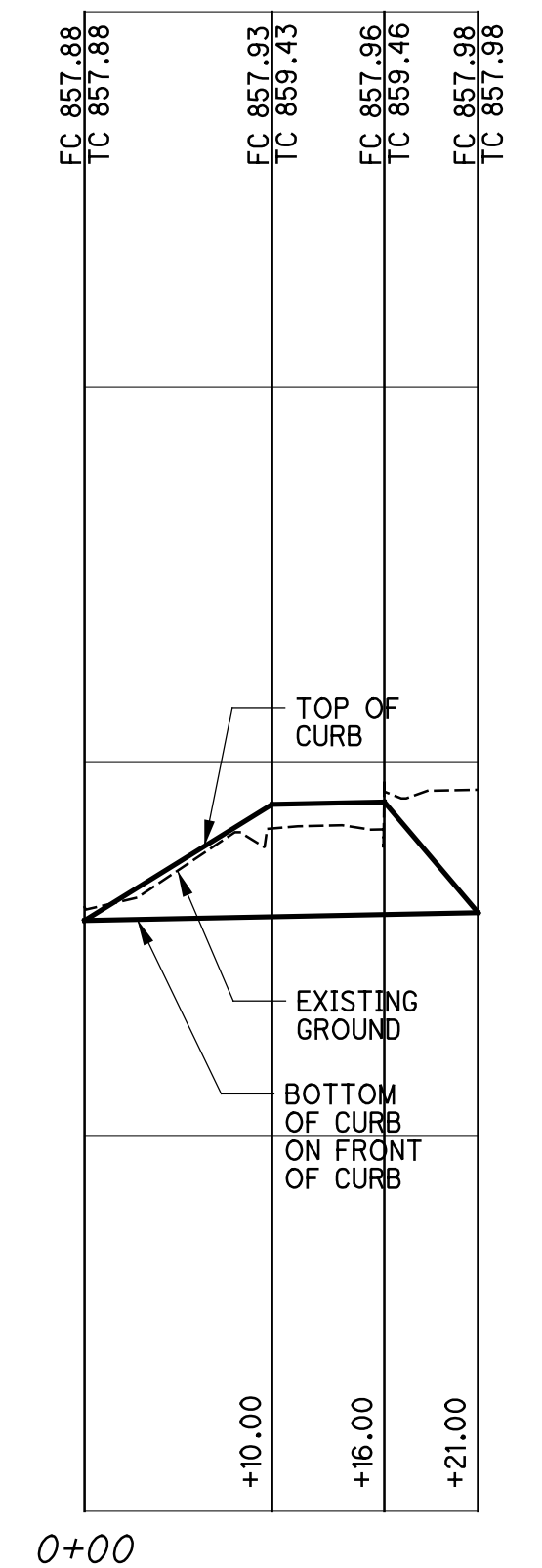
BACK OF WALK CURB - HUDSON ST  
STA 43+85.46 TO STA 44+25.94, LT



BACK OF WALK CURB - HUDSON ST  
STA 44+44.18 TO STA 44+72.03, RT



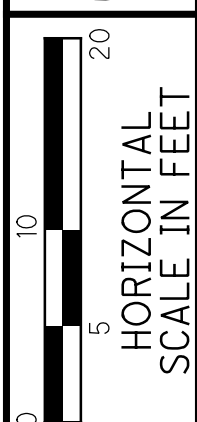
BACK OF WALK CURB - HUDSON ST  
STA 45+24.40 TO STA 45+73.56, RT



BACK OF WALK CURB - HUDSON ST  
STA 46+36.00 TO STA 46+57.00, RT

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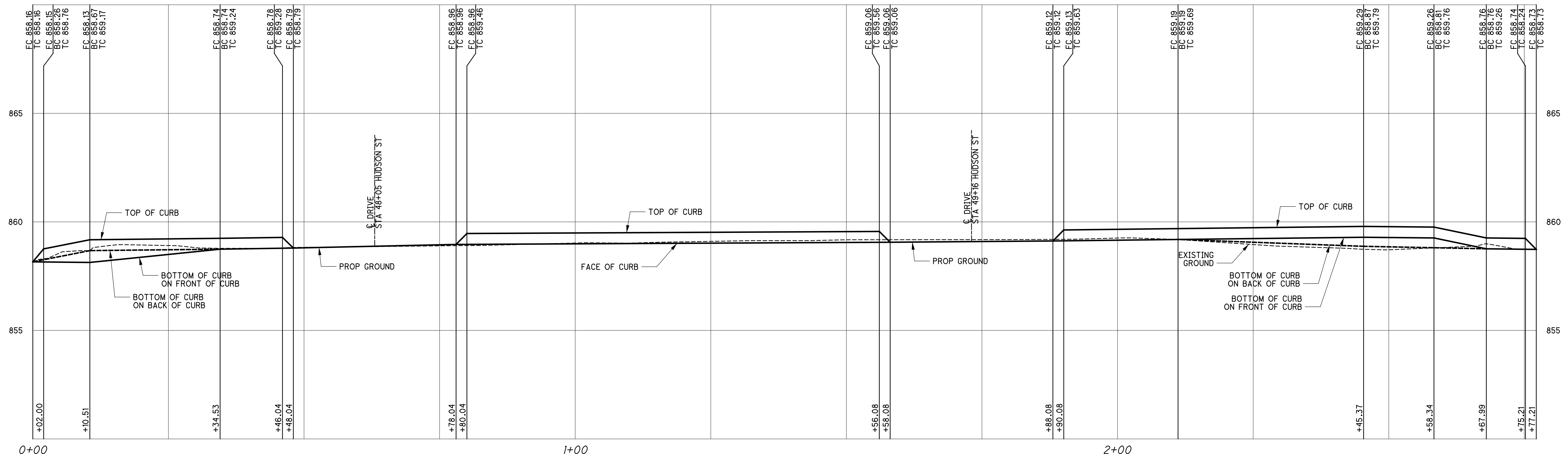
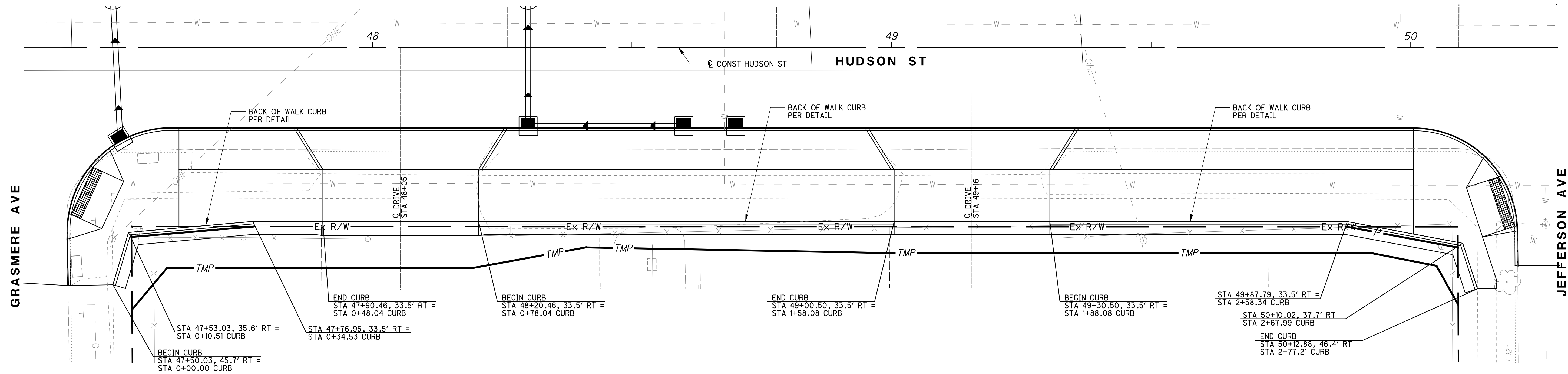
3575-E



CALCULATED JRS  
 CHECKED MWR

**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 47+50 TO STA 50+13**

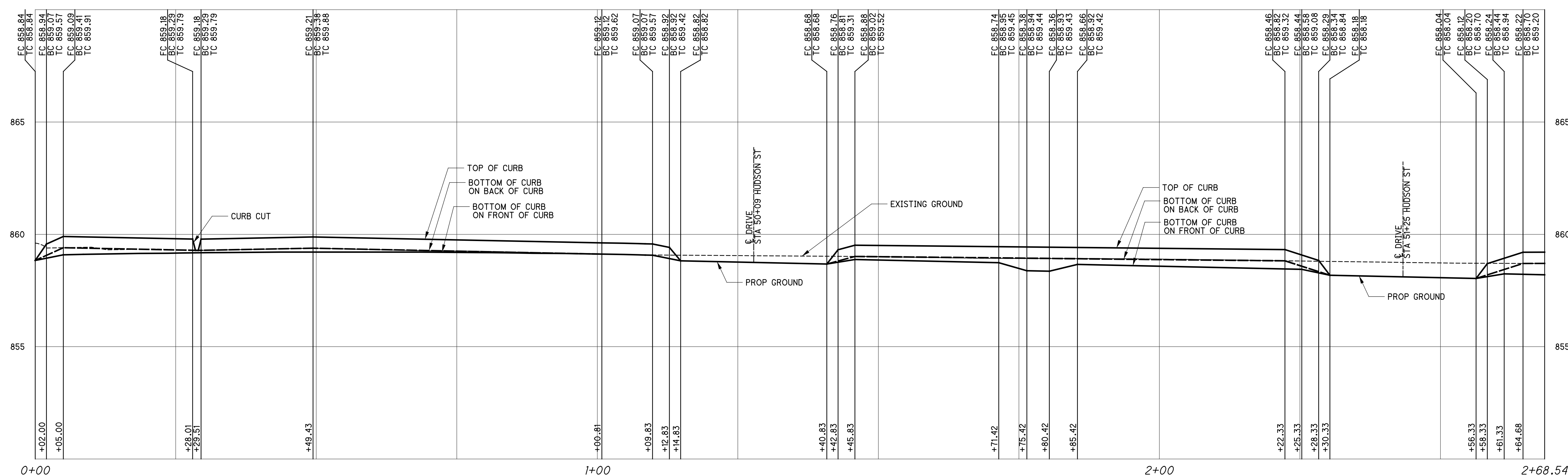
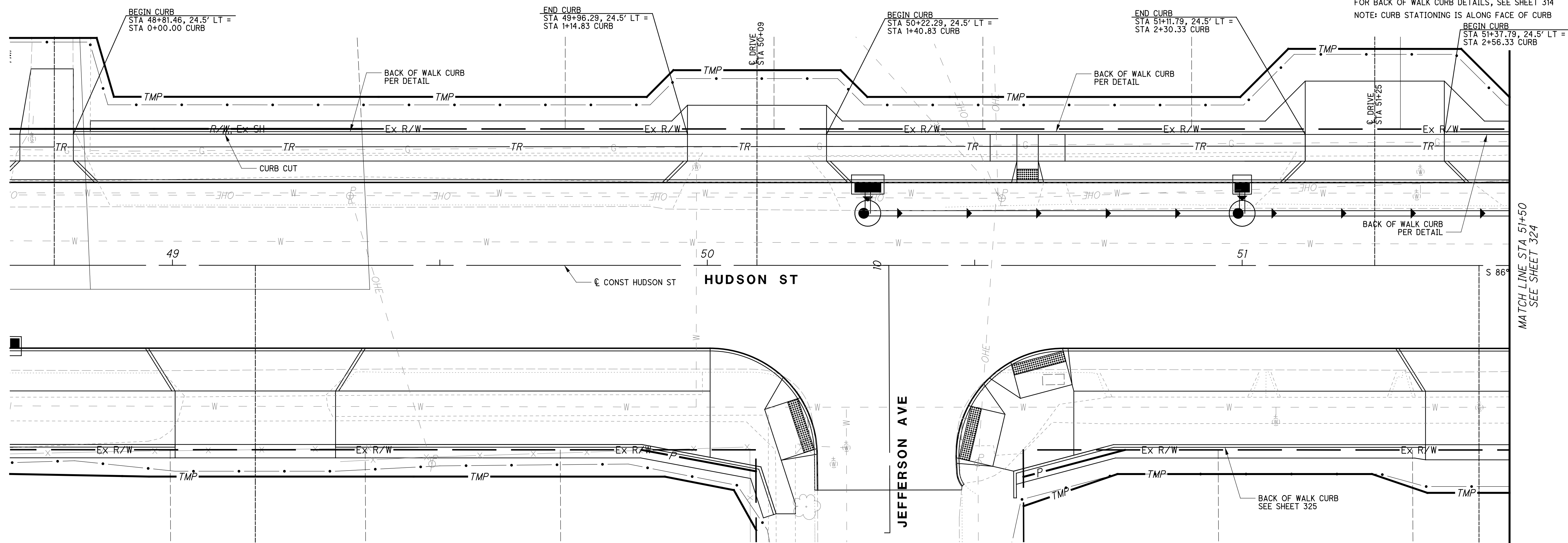
**HUDSON ST**



BACK OF WALK CURB - HUDSON ST  
 STA 47+50.03 TO STA 50+12.88, RT

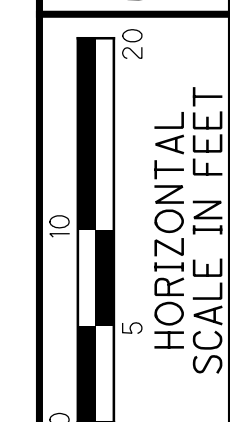
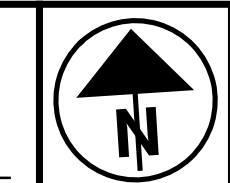
isoltasz 10/5/2021 10:06:08 AM  
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soltesz  
10/5/2021 10:06:09 AM  
\\01\2018\02392\C.Design\02392\_Hudson\Design\Roadway\Sheets\02392\_WP008.dgn



BACK OF WALK CURB - HUDSON ST  
STA 48+81.46 TO STA 51+50.00, LT

3575-E

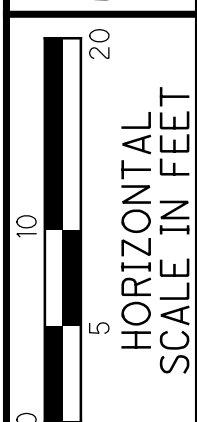


CALCULATED JRS  
CHECKED MWR

BACK OF WALK CURB DETAILS AND PROFILES  
HUDSON ST STA 48+81 TO STA 51+50

HUDSON ST

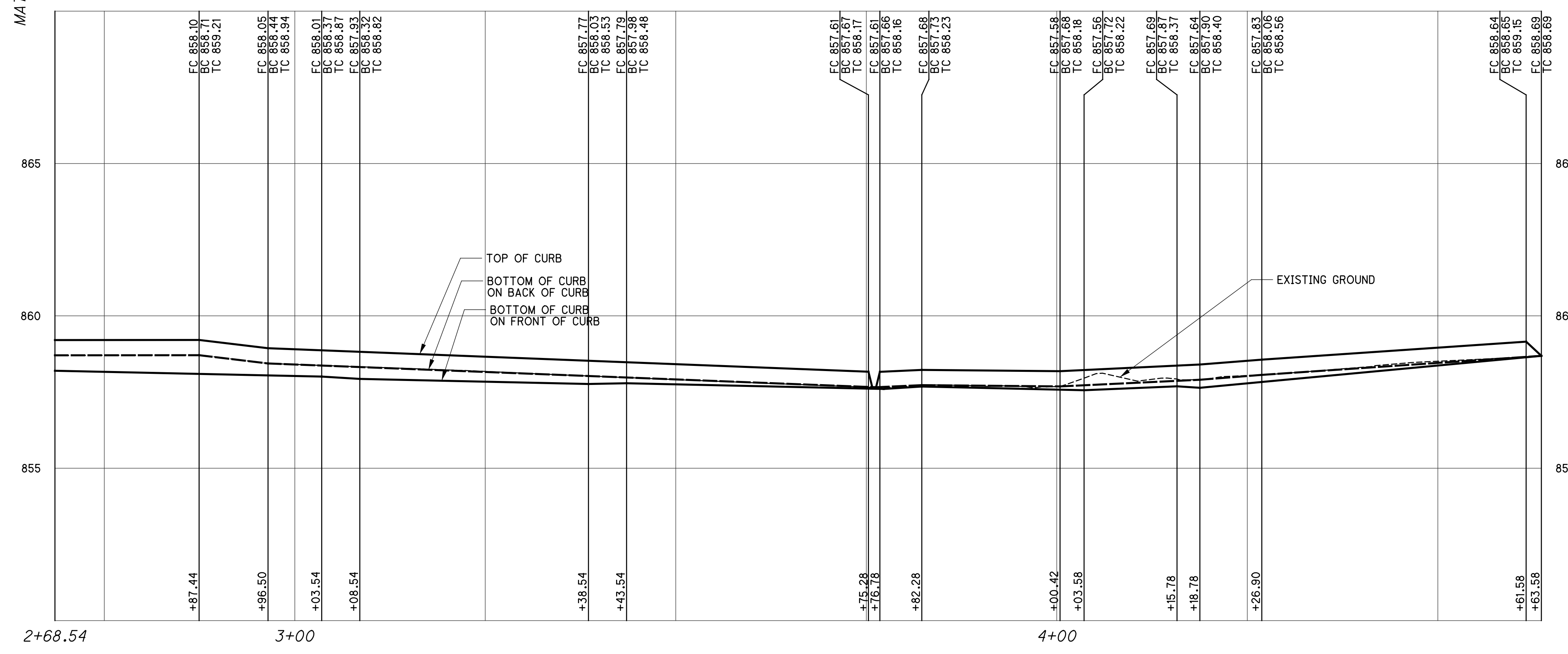
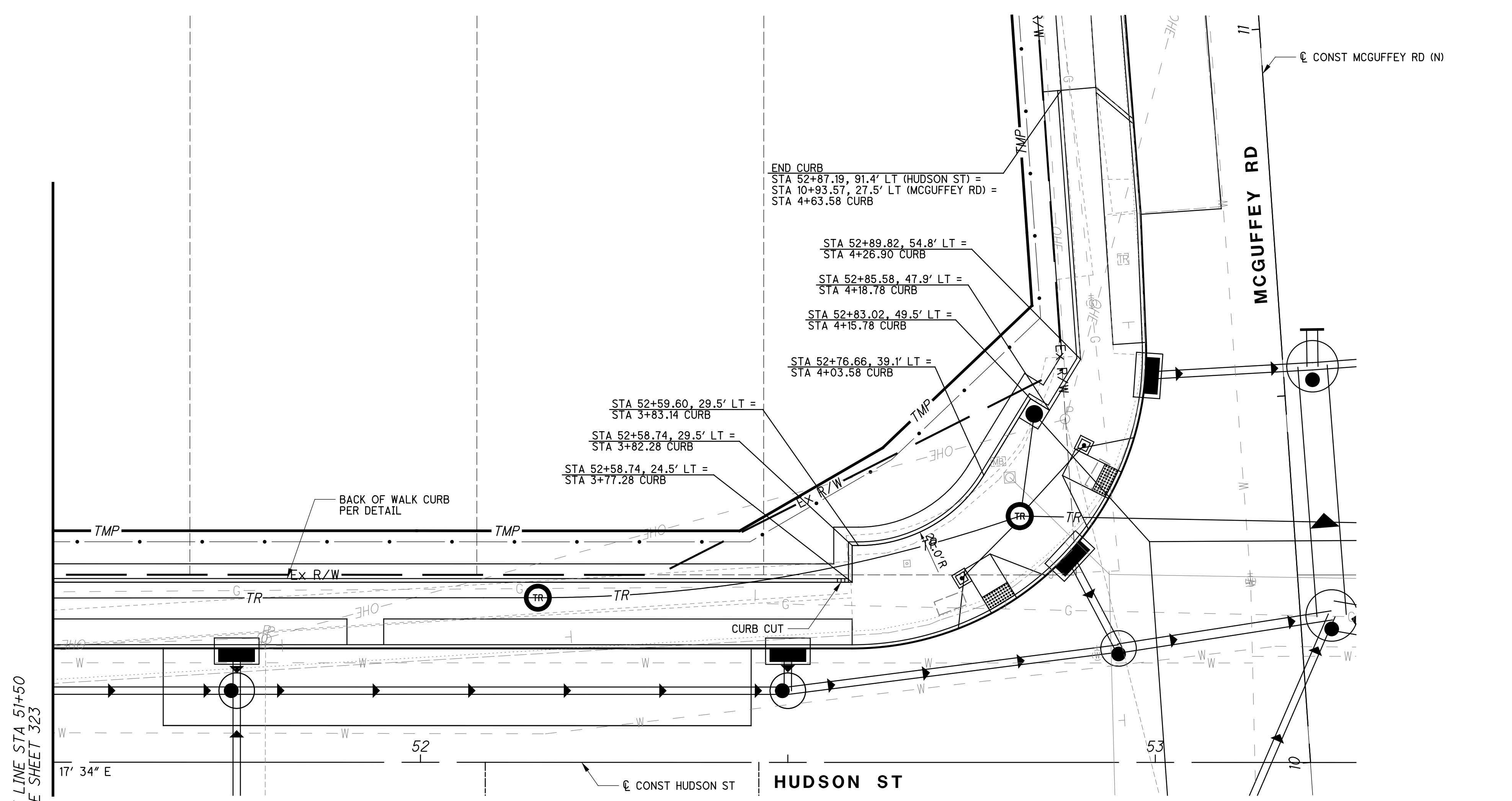
323  
535



CALCULATED JRS  
 CHECKED MWR

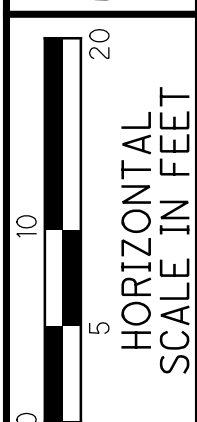
**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 51+50 TO STA 52+87**

**HUDSON ST**



BACK OF WALK CURB - HUDSON ST  
 STA 51+50.00 TO STA 52+87.19, LT

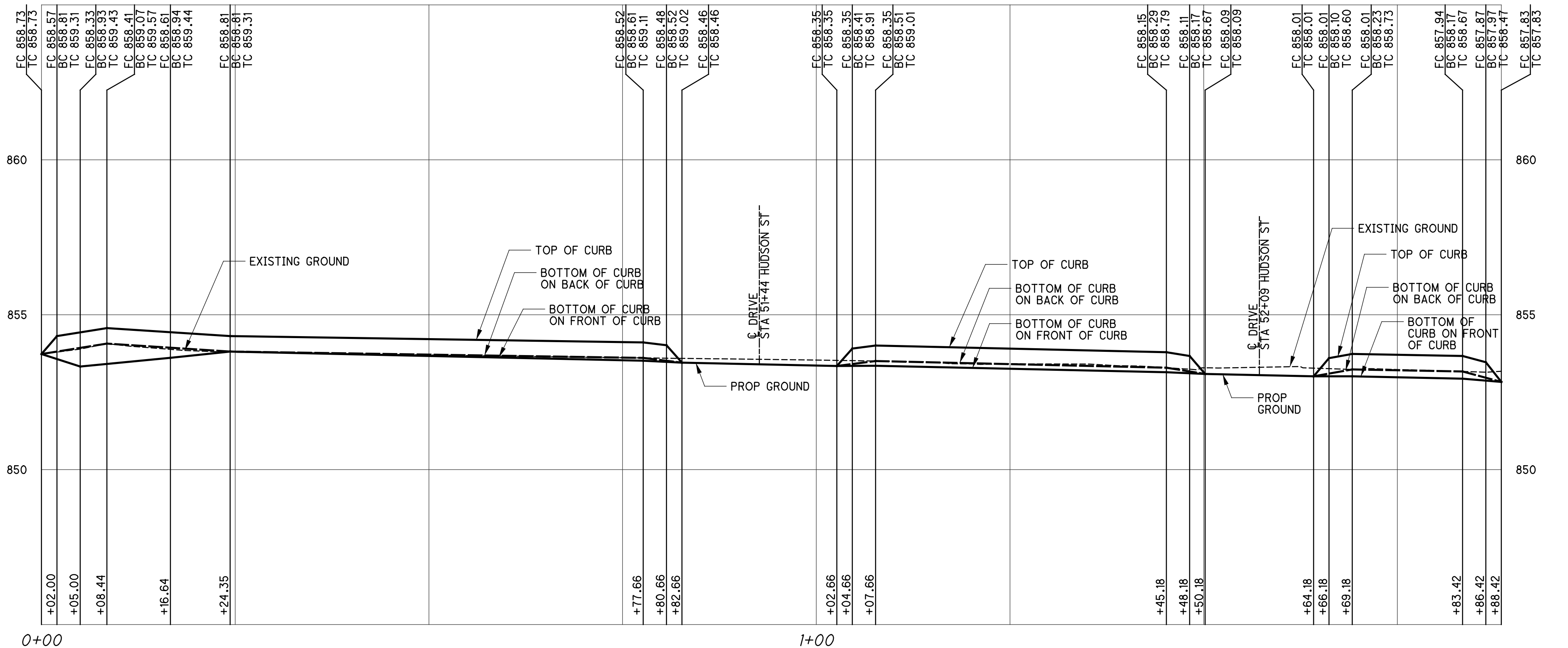
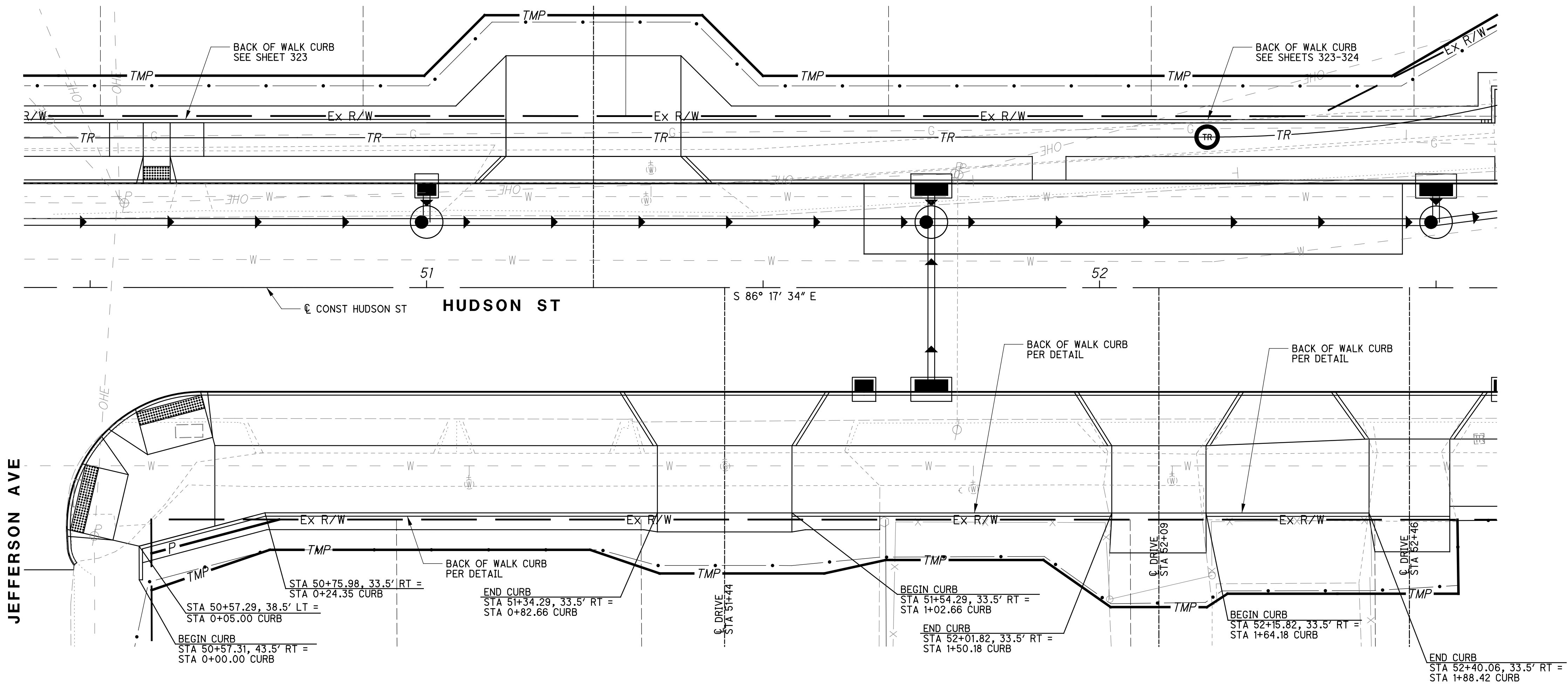
MATCH LINE STA 51+50  
 SEE SHEET 323



CALCULATED JRS  
 CHECKED MWR

**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 50+57 TO STA 52+40**

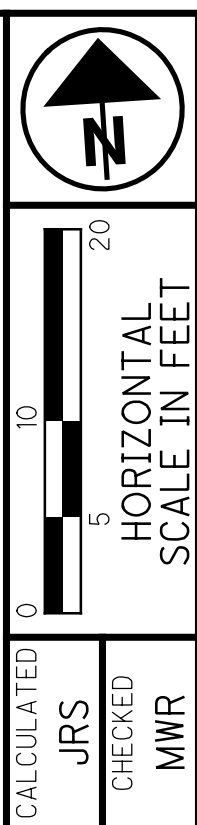
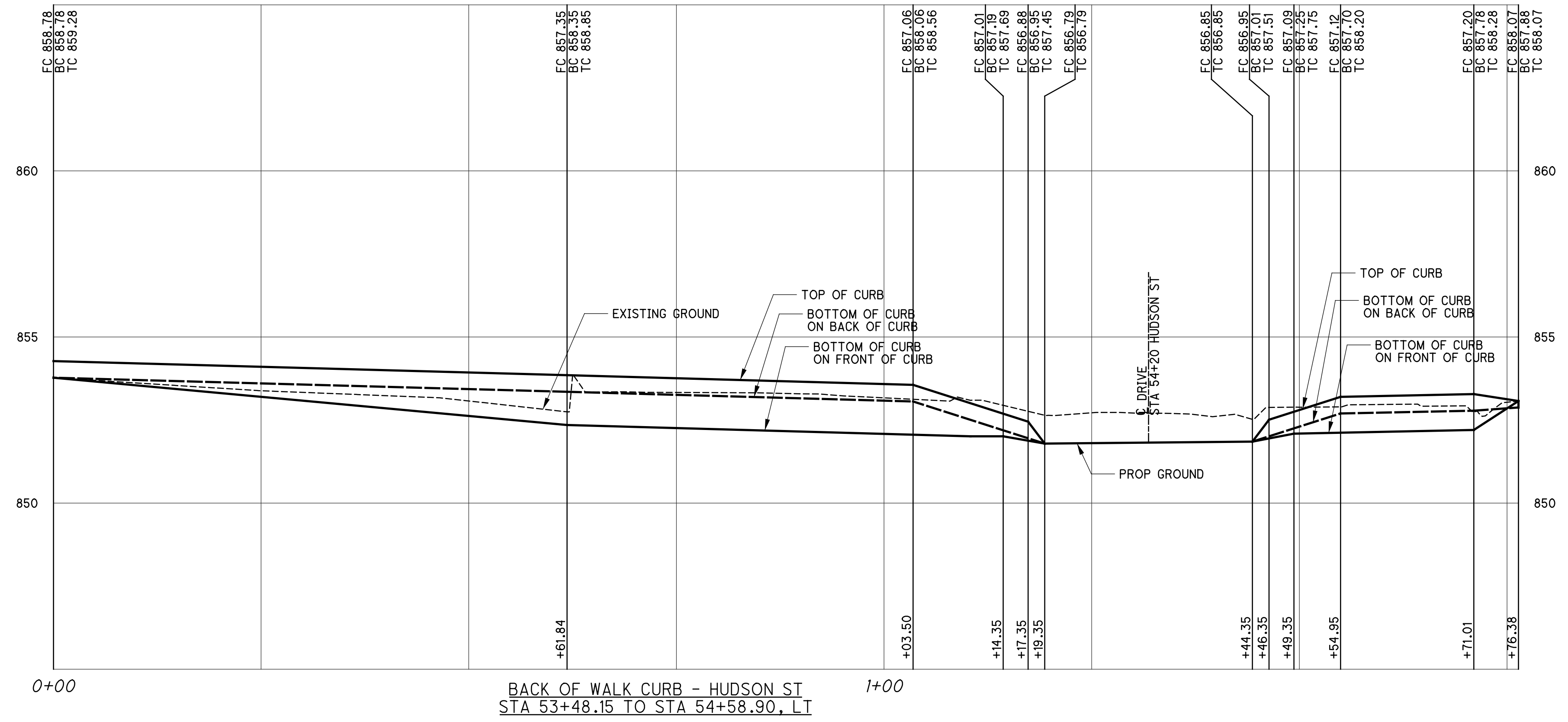
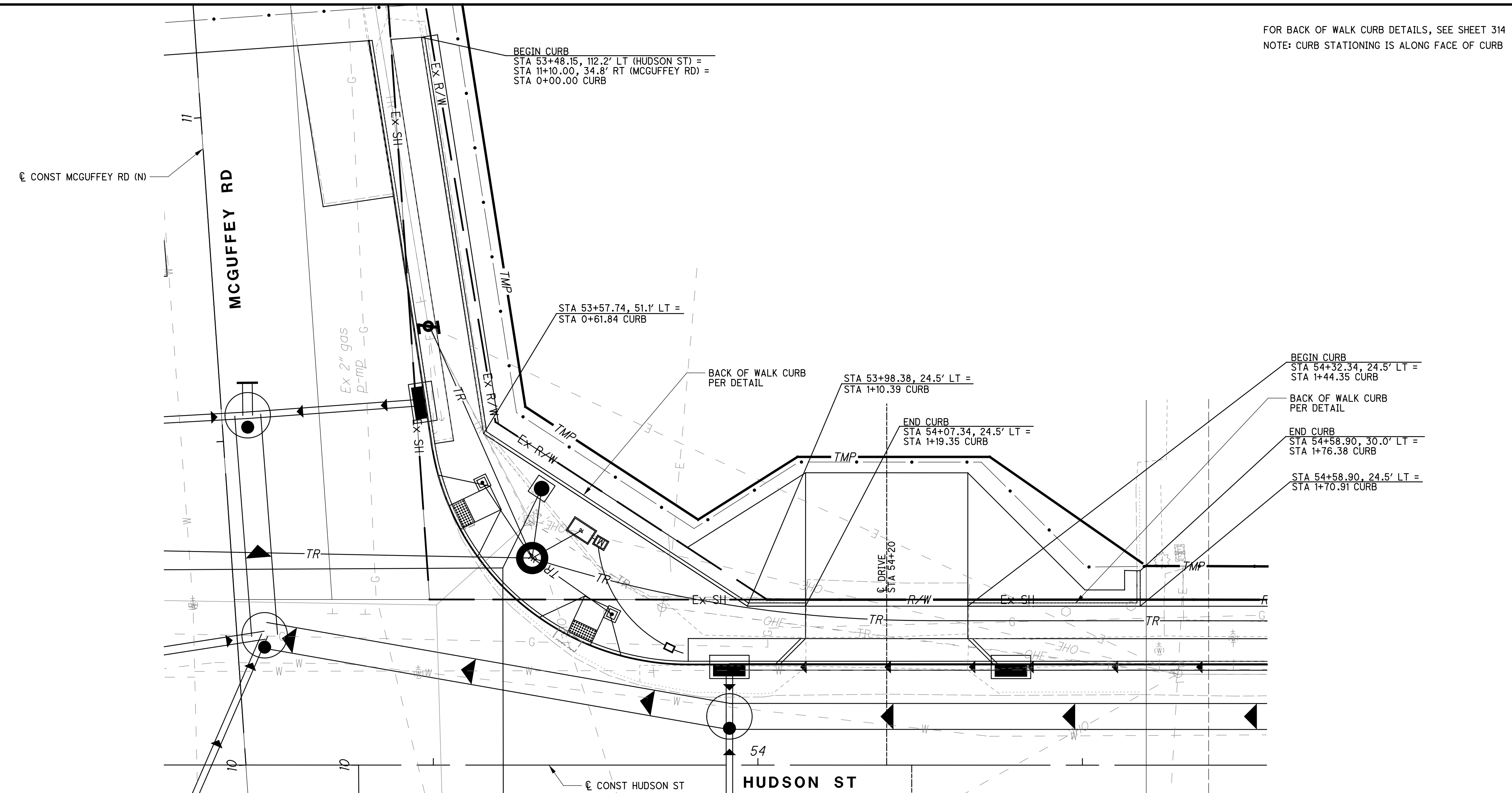
**HUDSON ST**



BACK OF WALK CURB - HUDSON ST  
 STA 50+57.31 TO STA 52+40.06, RT

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isotasz  
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CALCULATED  
 JRS  
 CHECKED  
 MWR

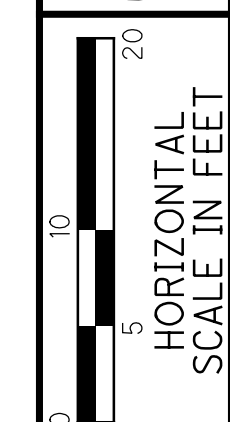
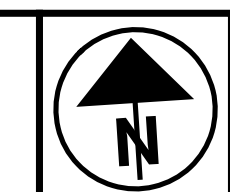
**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 53+48 TO STA 54+59**

**HUDSON ST**

326  
 535

3575-E

FOR BACK OF WALK CURB DETAILS, SEE SHEET 314  
NOTE: CURB STATIONING IS ALONG FACE OF CURB

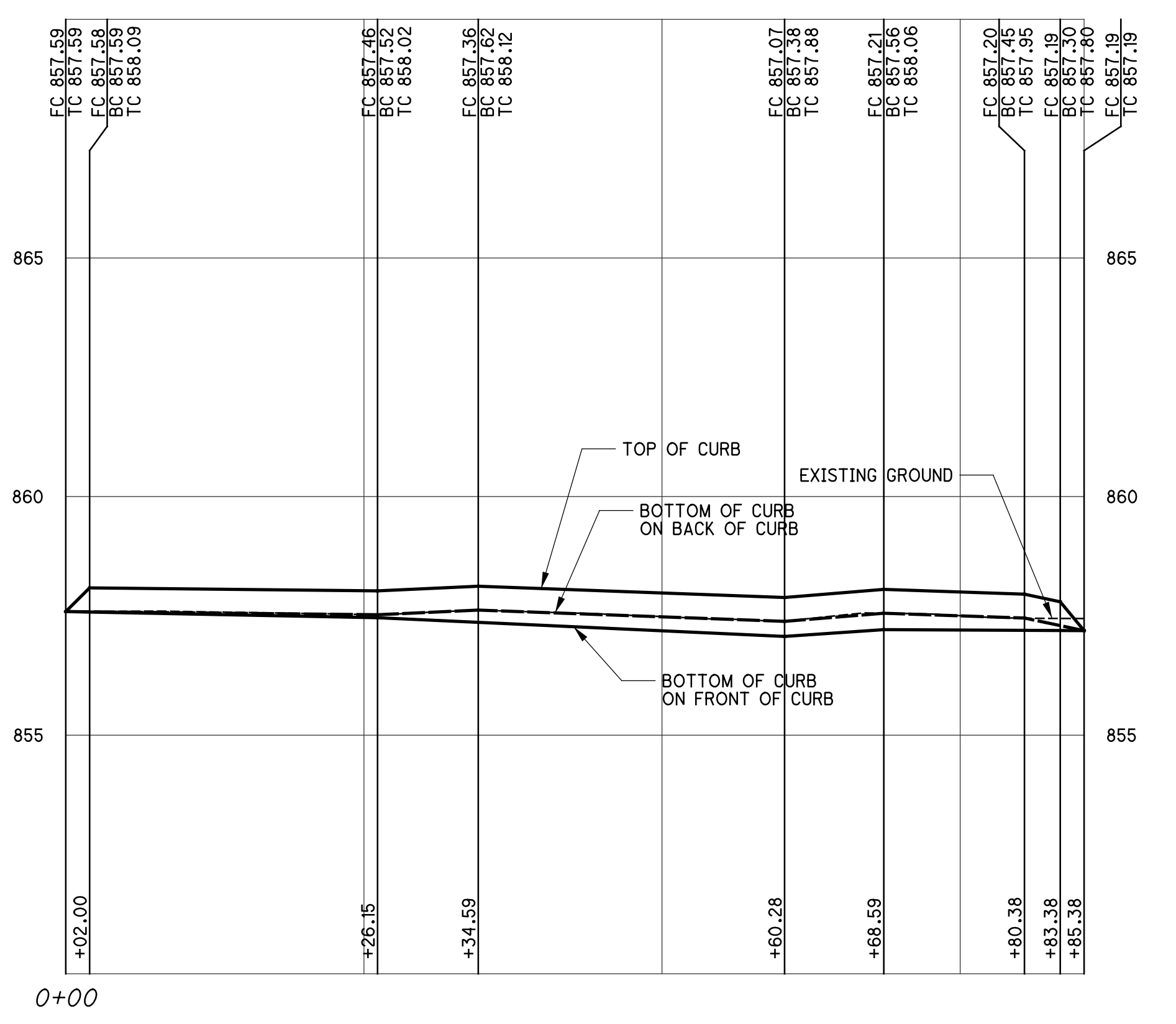
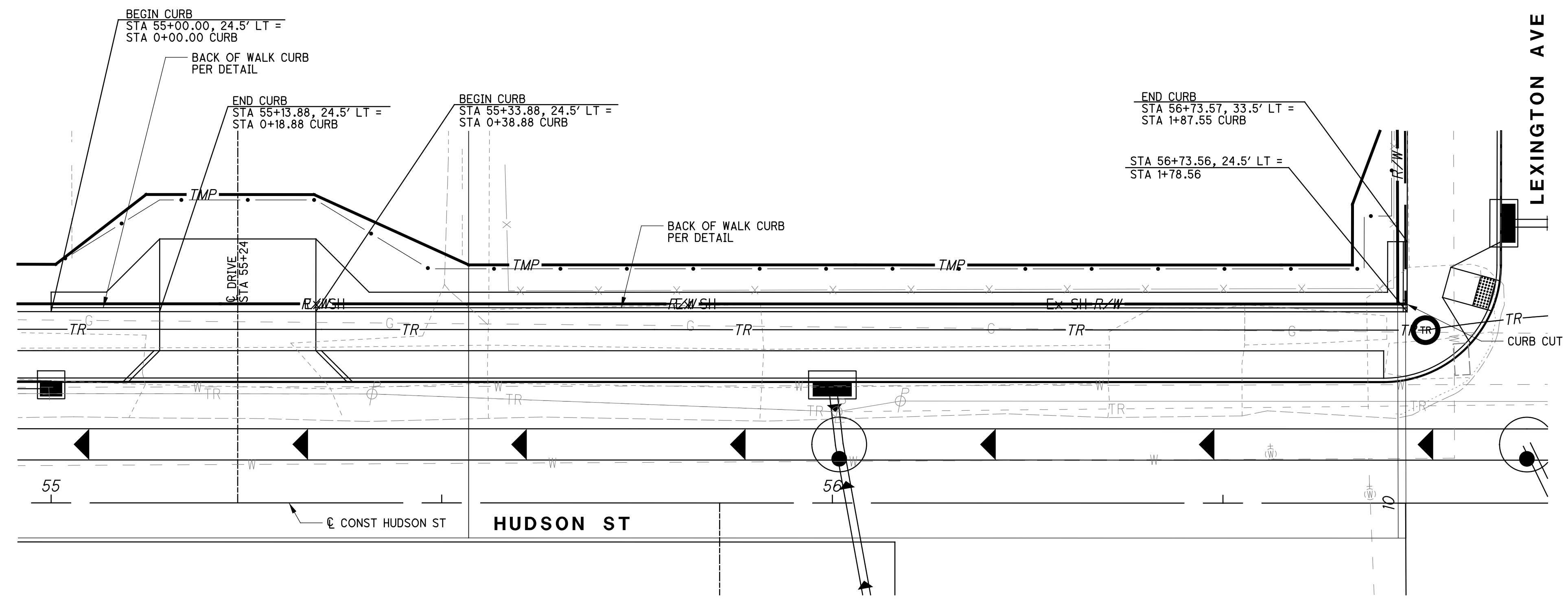
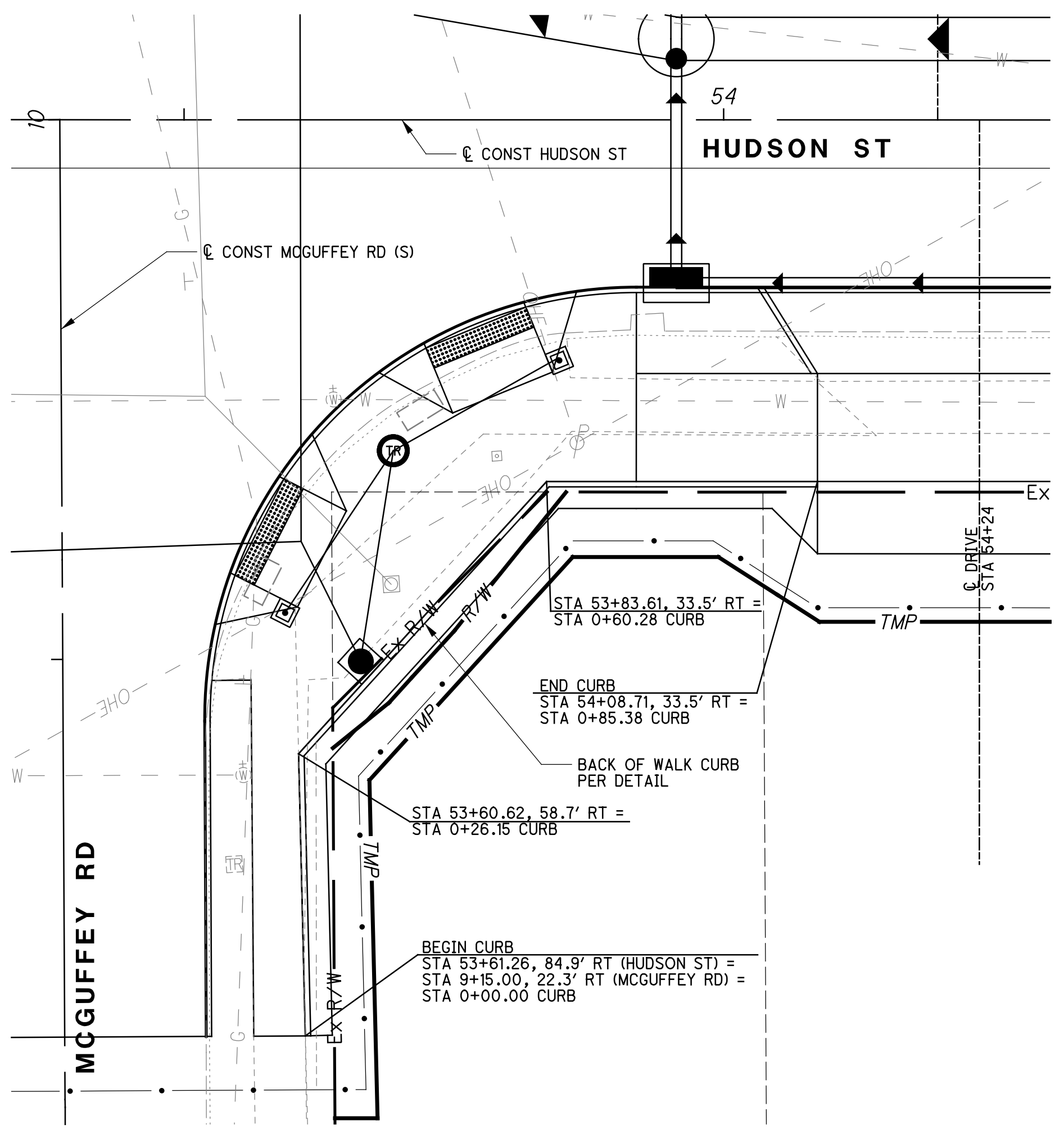


CALCULATED JRS  
CHECKED MWR

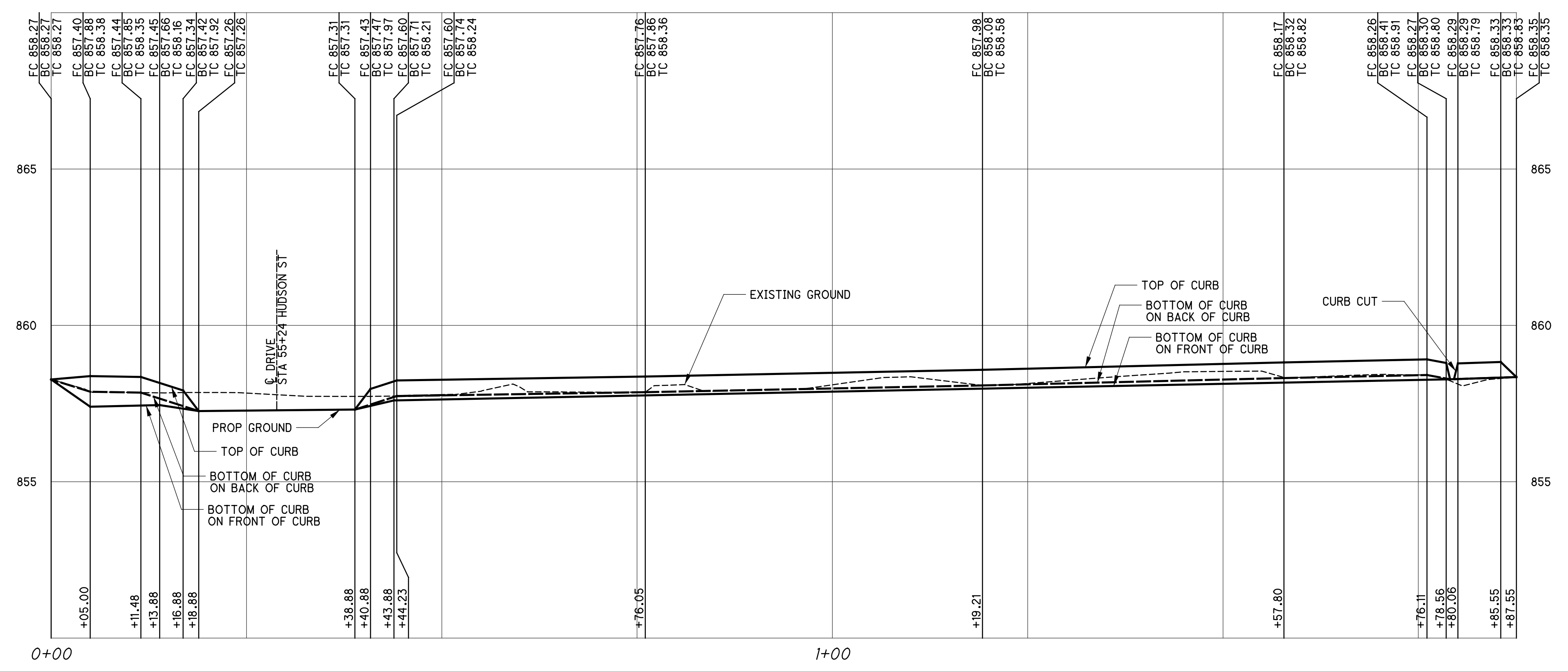
**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 53+61 TO STA 56+74**

**HUDSON ST**

327  
535



BACK OF WALK CURB - HUDSON ST  
STA 53+61.26 TO STA 54+08.71, RT

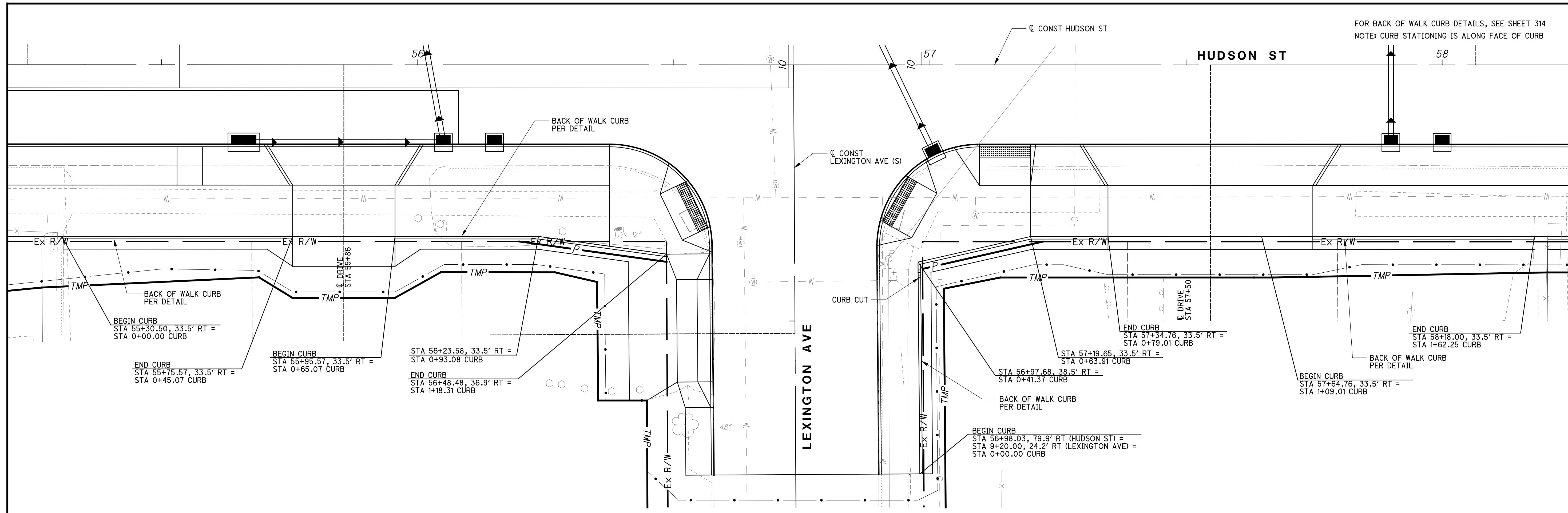


BACK OF WALK CURB - HUDSON ST  
STA 55+00.00 TO STA 56+73.57, LT

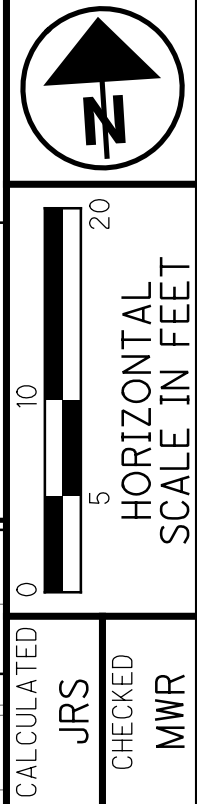
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3575-E

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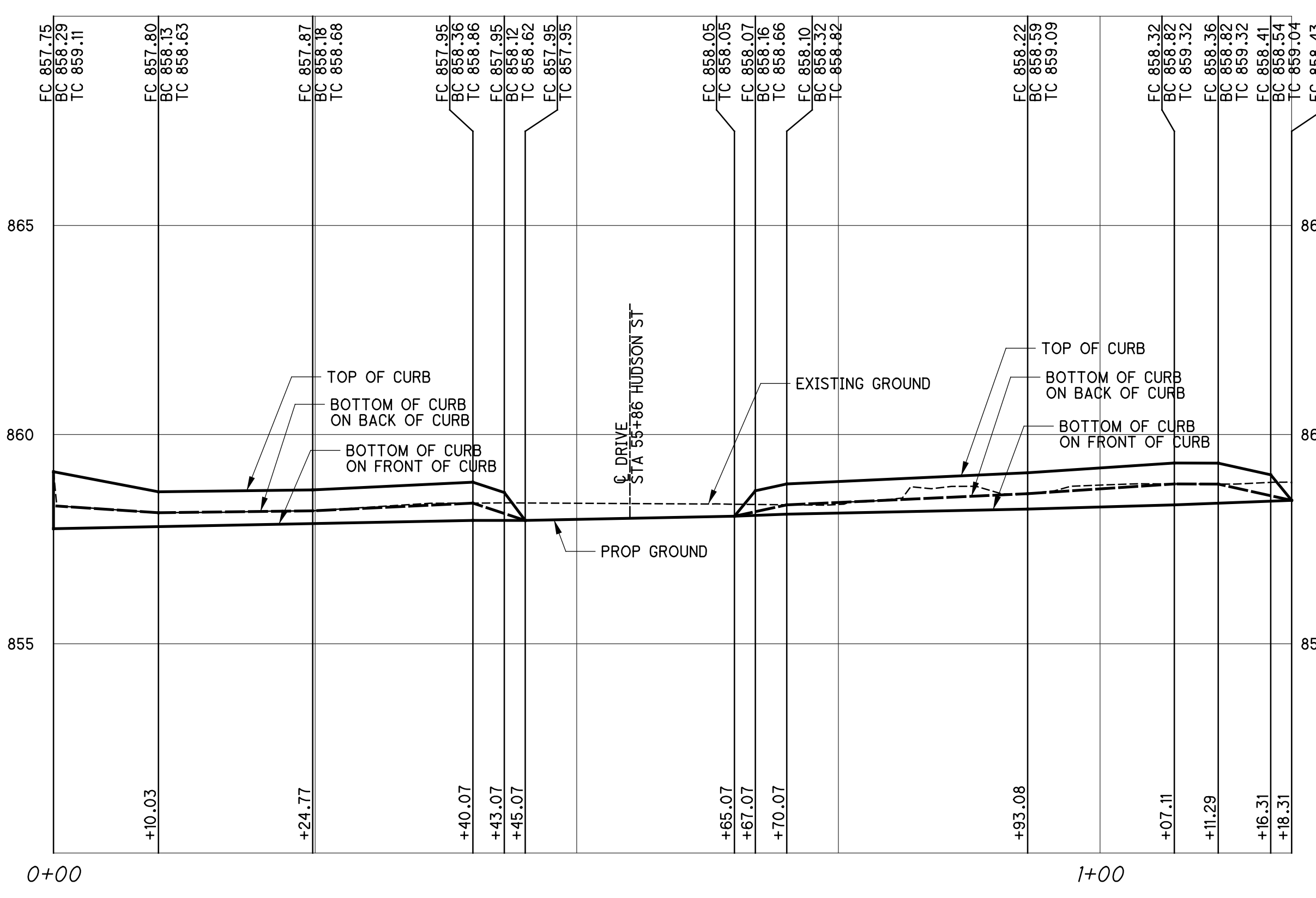


FOR BACK OF WALK CURB DETAILS, SEE SHEET 314  
NOTE: CURB STATIONING IS ALONG FACE OF CURB

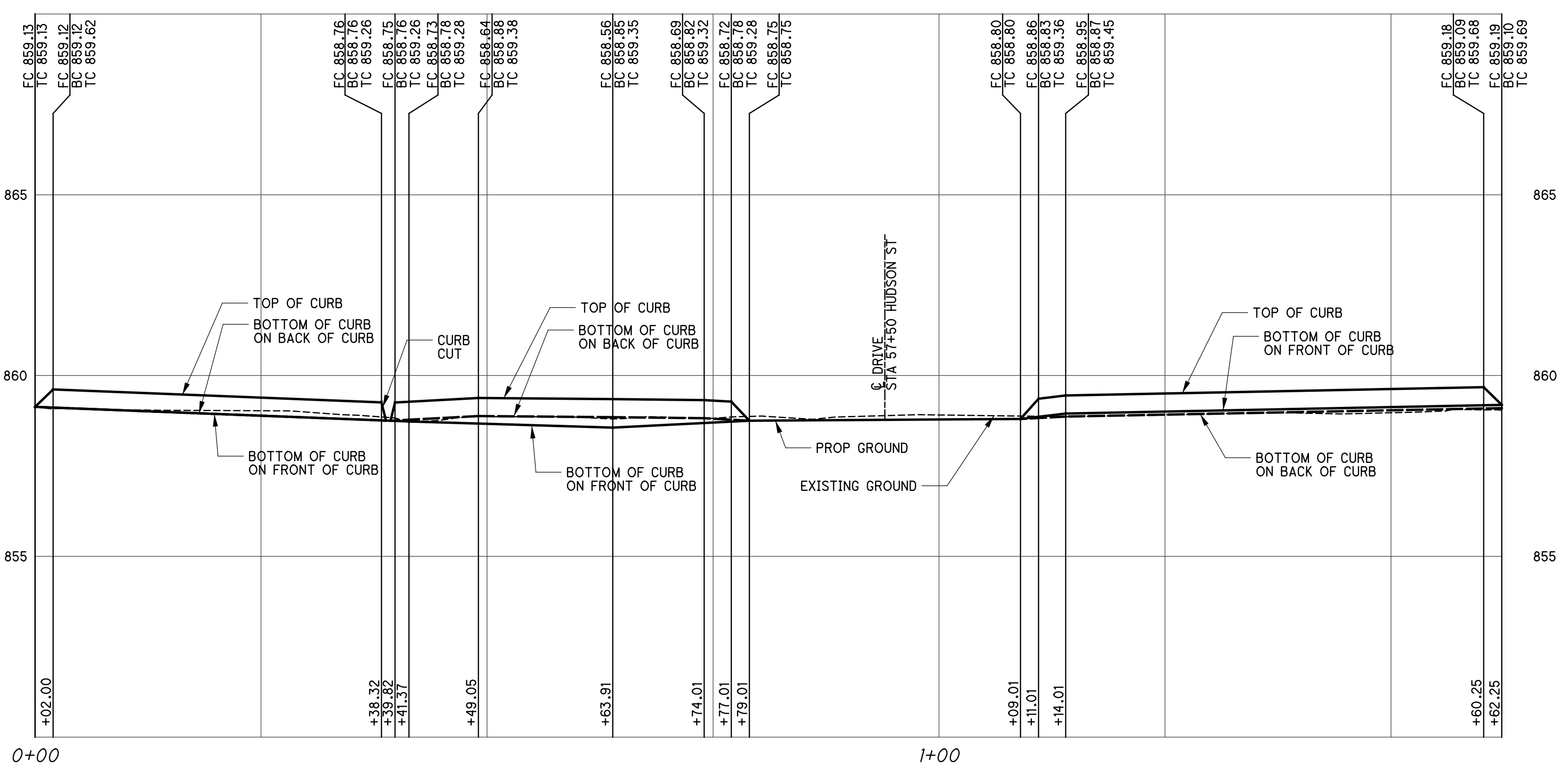


BACK OF WALK CURB DETAILS AND PROFILES  
HUDSON ST STA 55+30 TO STA 58+18

HUDSON ST  
328  
535



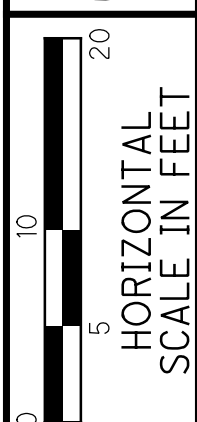
BACK OF WALK CURB - HUDSON ST  
STA 55+30.50 TO STA 56+48.48, RT



BACK OF WALK CURB - HUDSON ST  
STA 56+98.03 TO STA 58+18.00, RT

3575-E

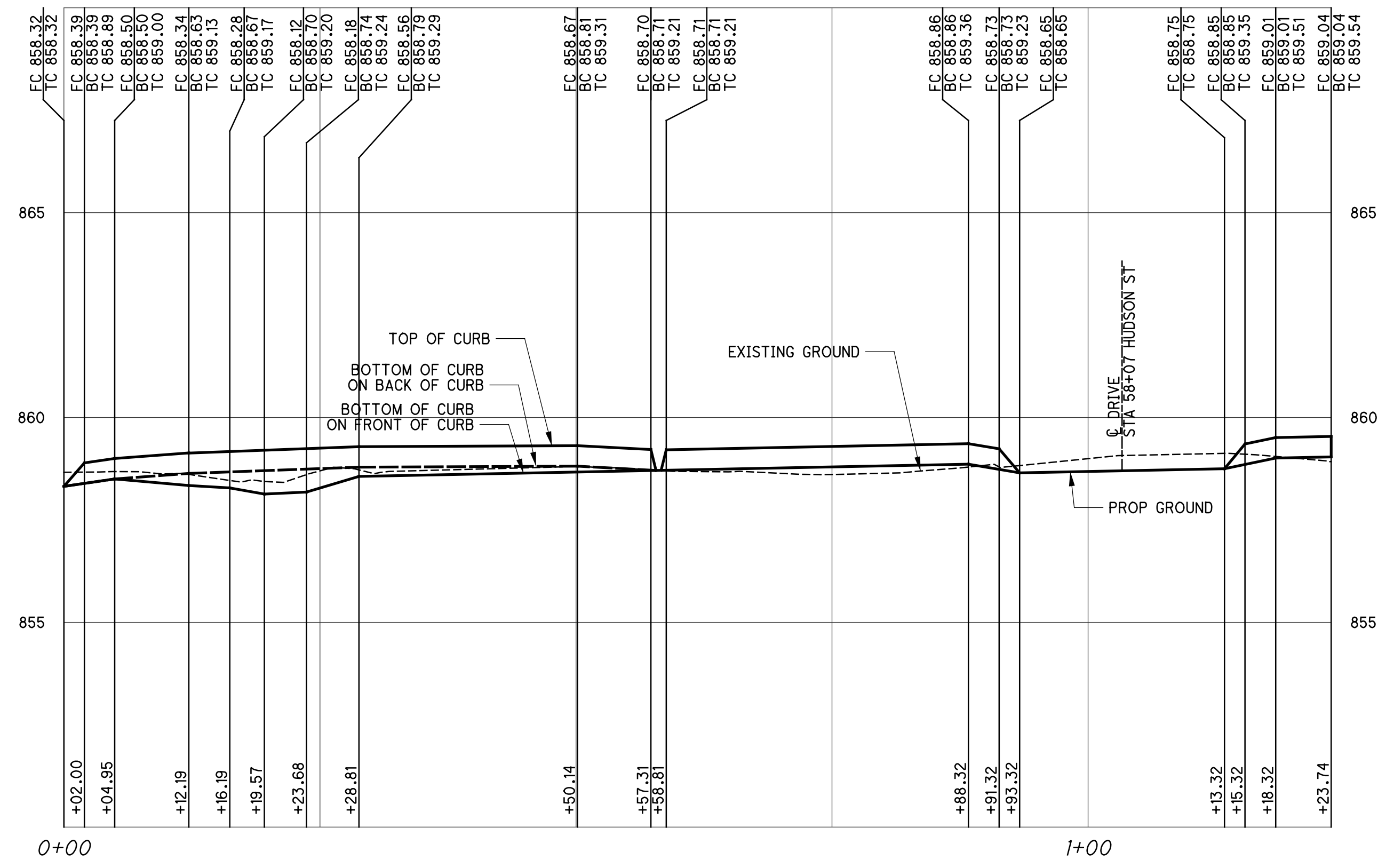
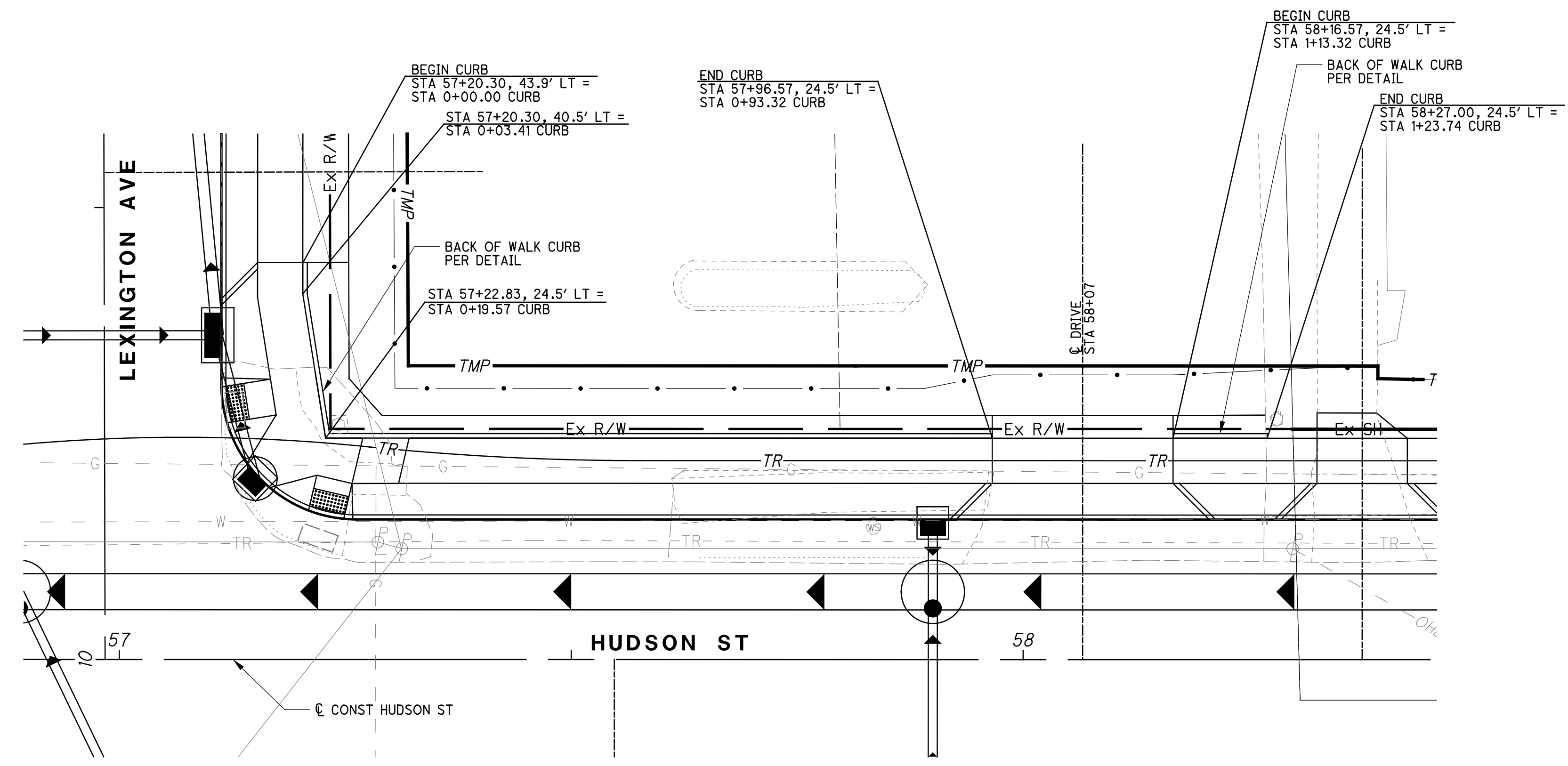




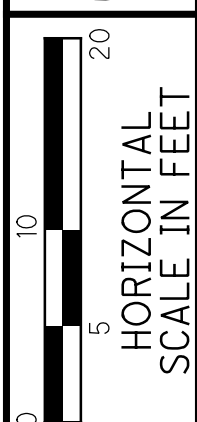
CALCULATED JRS  
 CHECKED MWR

**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 57+20 TO STA 58+27**

**HUDSON ST**



BACK OF WALK CURB - HUDSON ST  
 STA 57+20.30 TO STA 58+27.00, LT

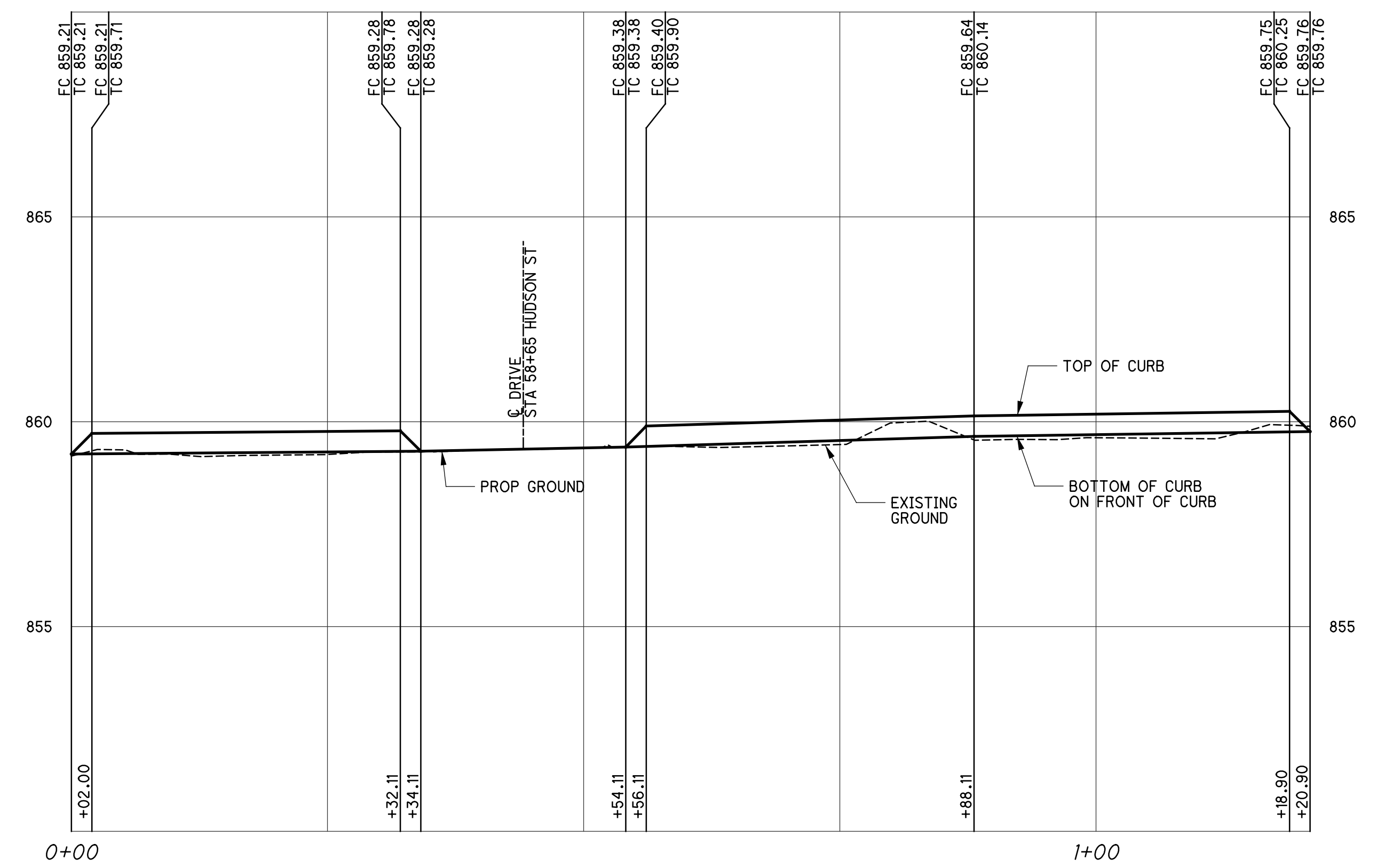
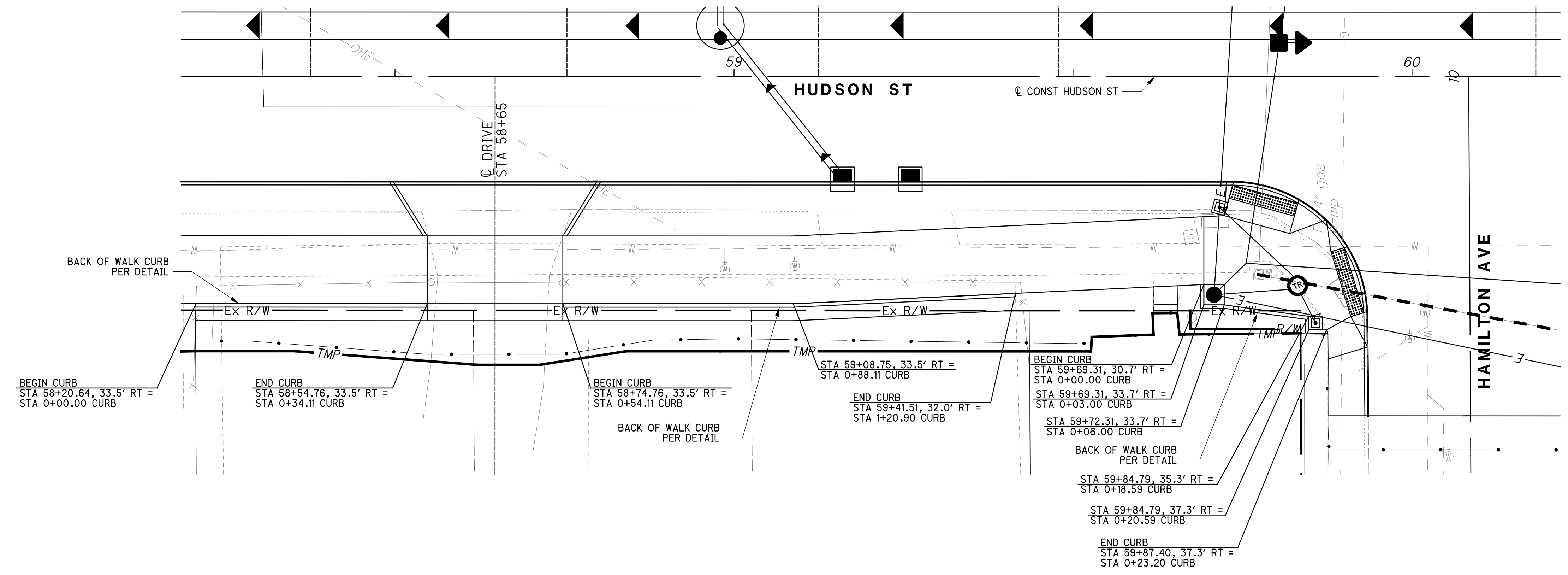


CALCULATED JRS  
 CHECKED MWR

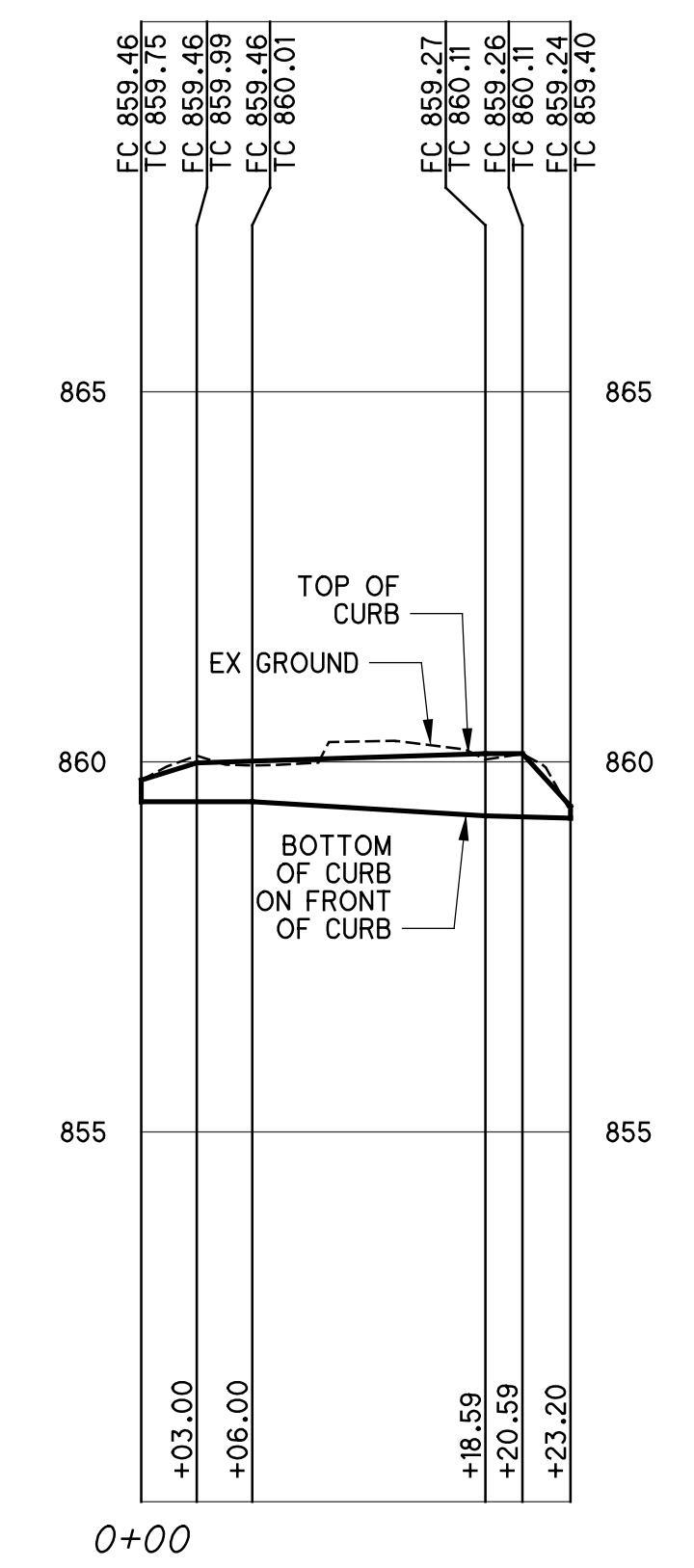
**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 58+21 TO STA 59+87**

**HUDSON ST**

330  
 535

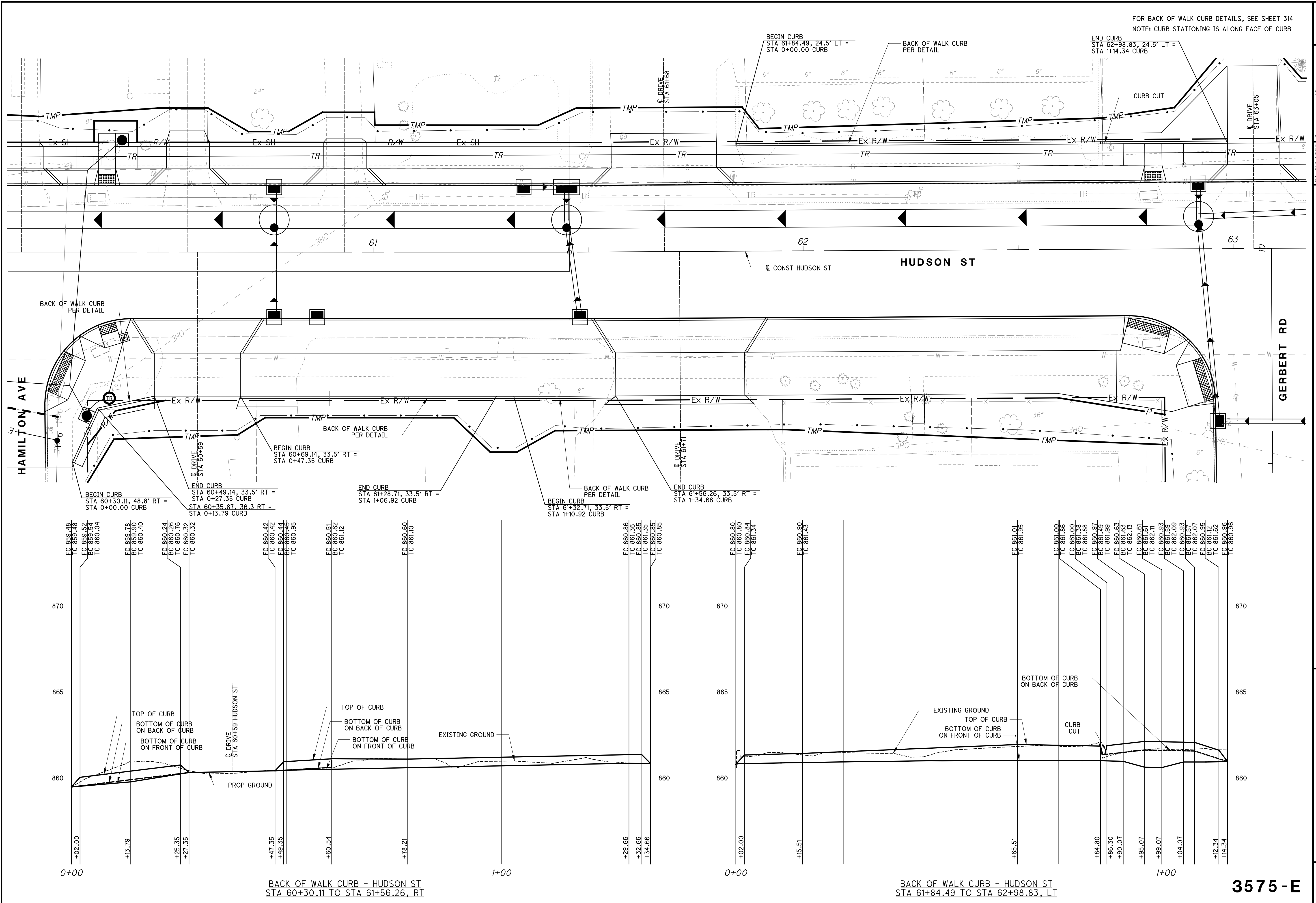


BACK OF WALK CURB - HUDSON ST  
 STA 58+20.64 TO STA 59+41.51, RT



BACK OF WALK CURB - HUDSON ST  
 STA 59+69.31 TO STA 59+87.40, RT

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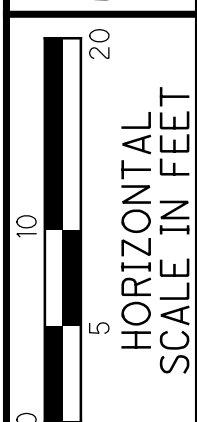
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CALCULATED: JRS  
CHECKED: MWR

BACK OF WALK CURB DETAILS AND PROFILES  
HUDSON ST STA 60+30 TO STA 62+99

HUDSON ST

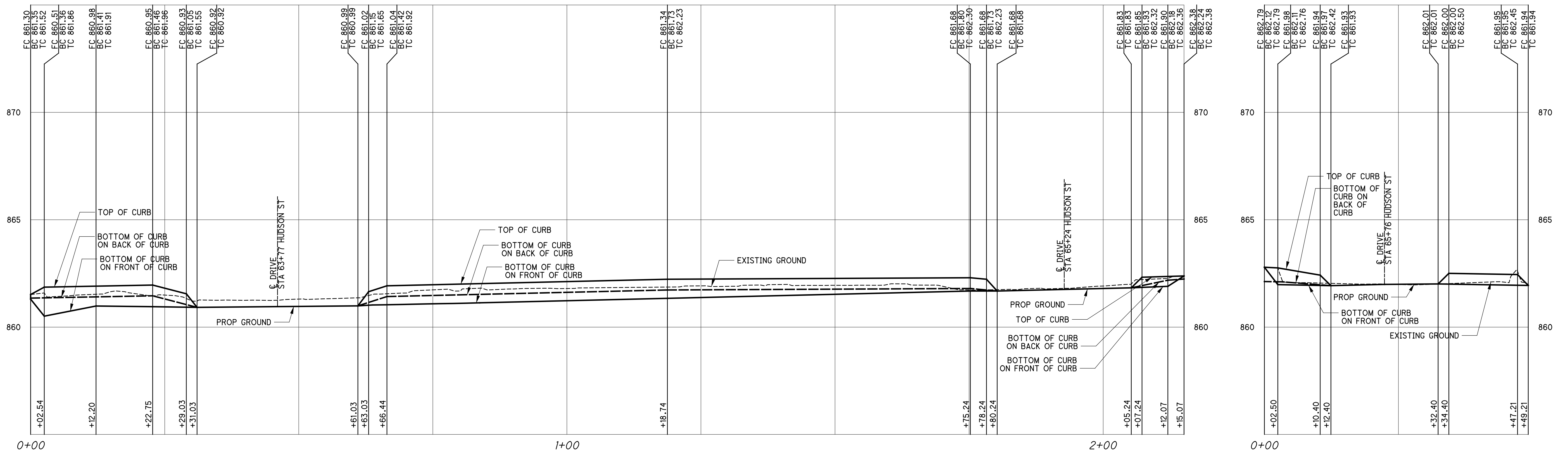
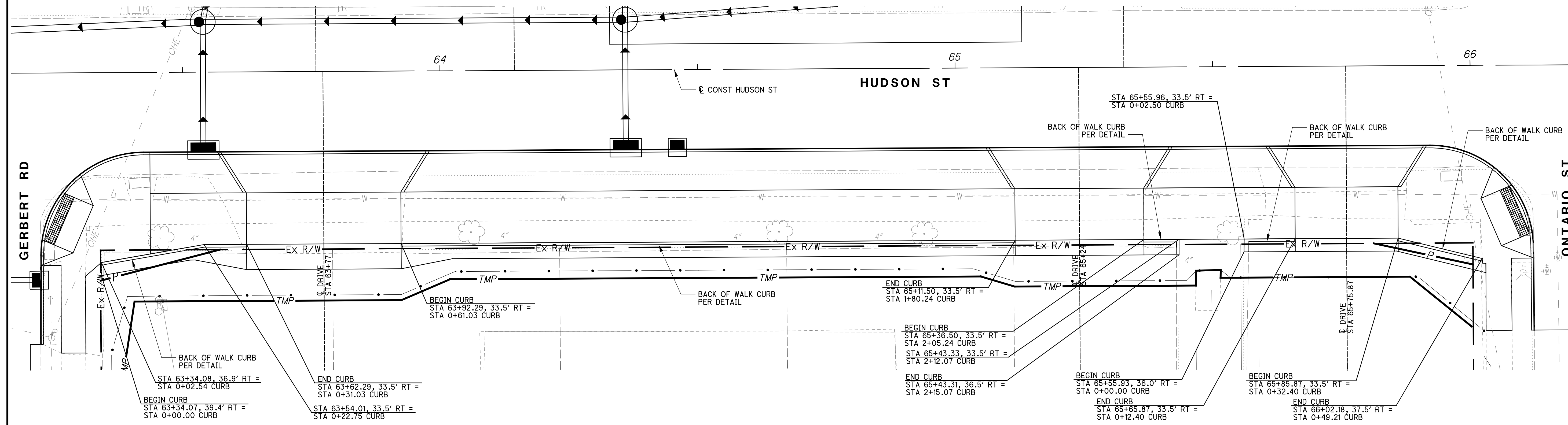
331  
535



CALCULATED JRS  
CHECKED MWR

**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 63+34 TO STA 66+02**

**HUDSON ST**

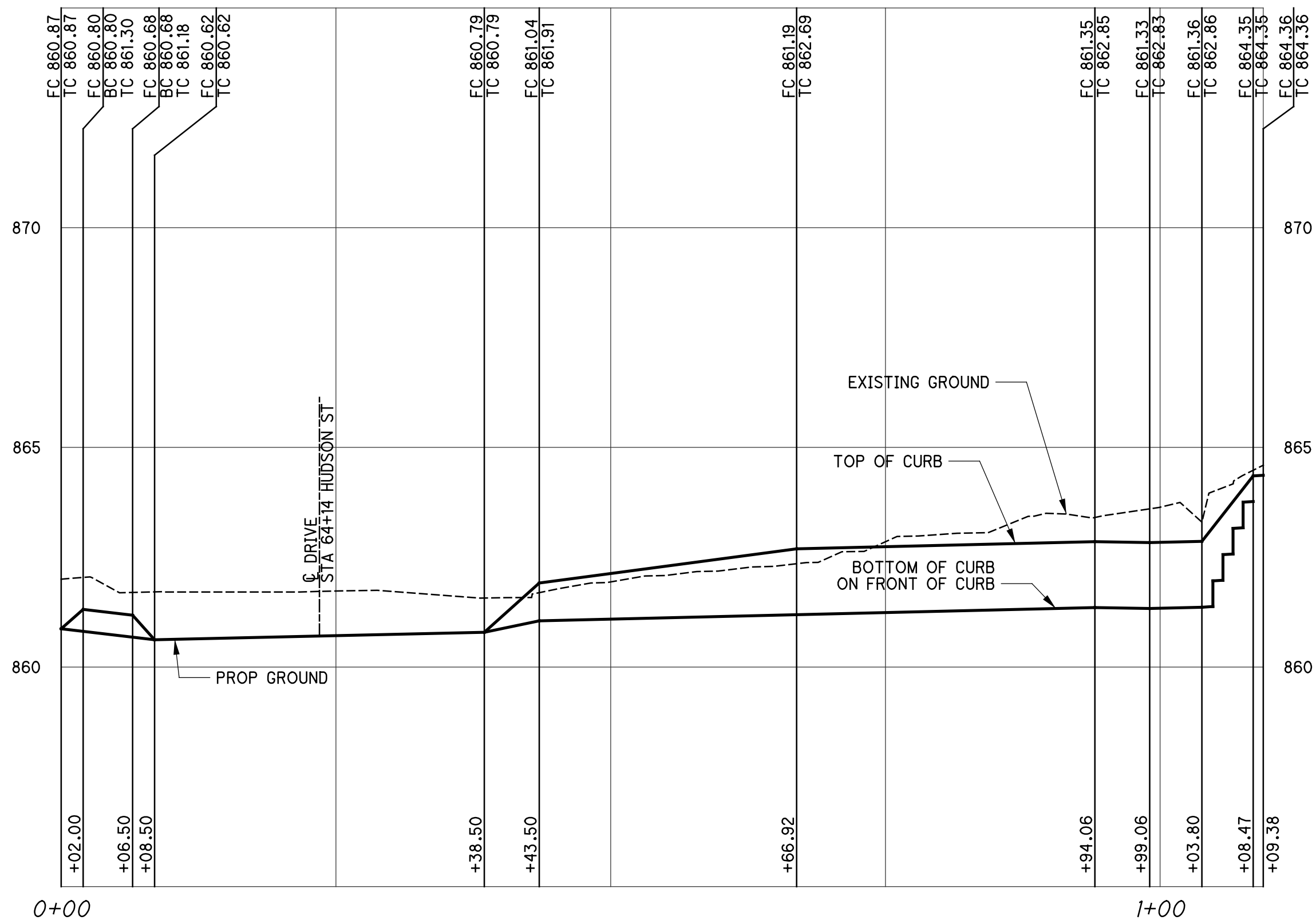
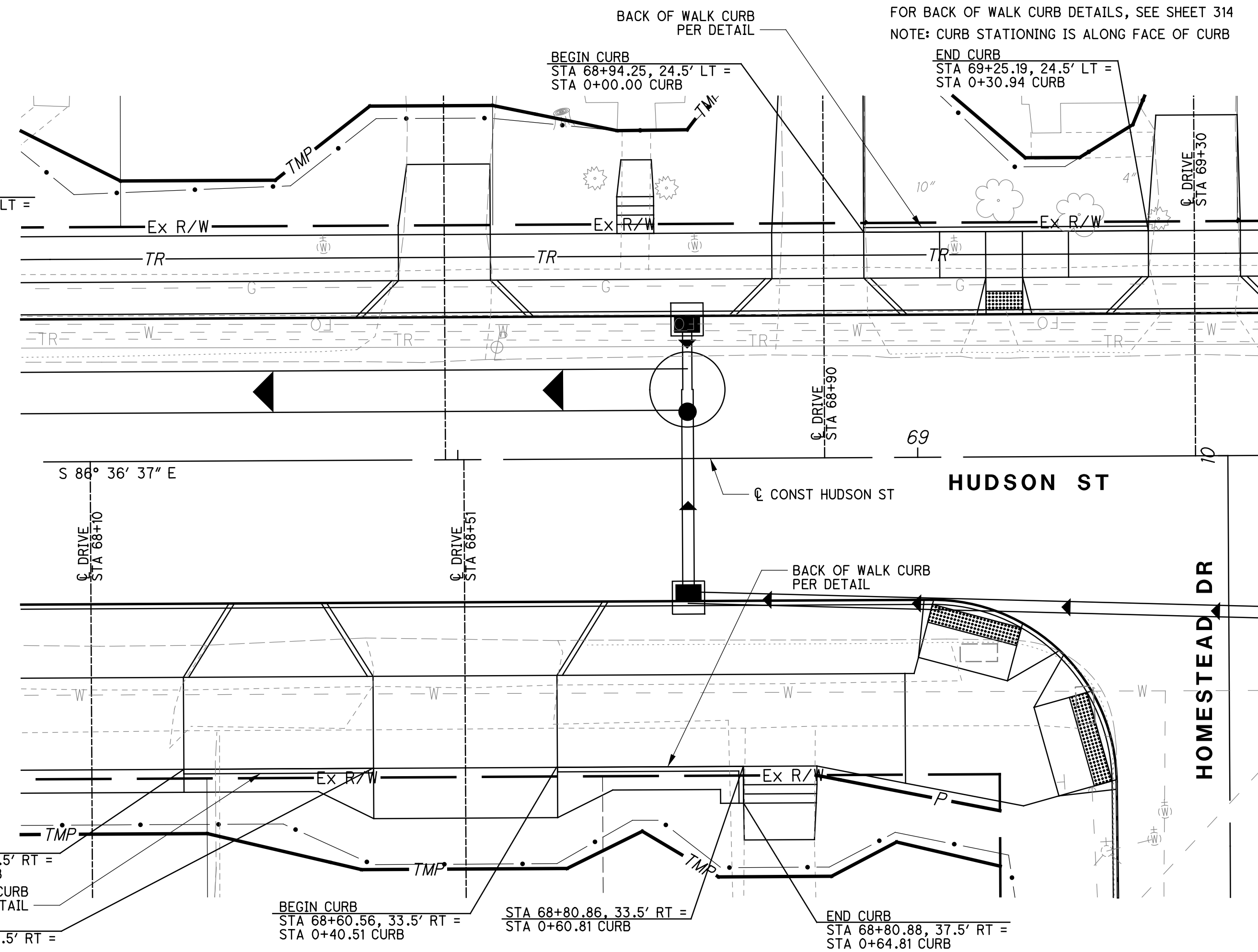
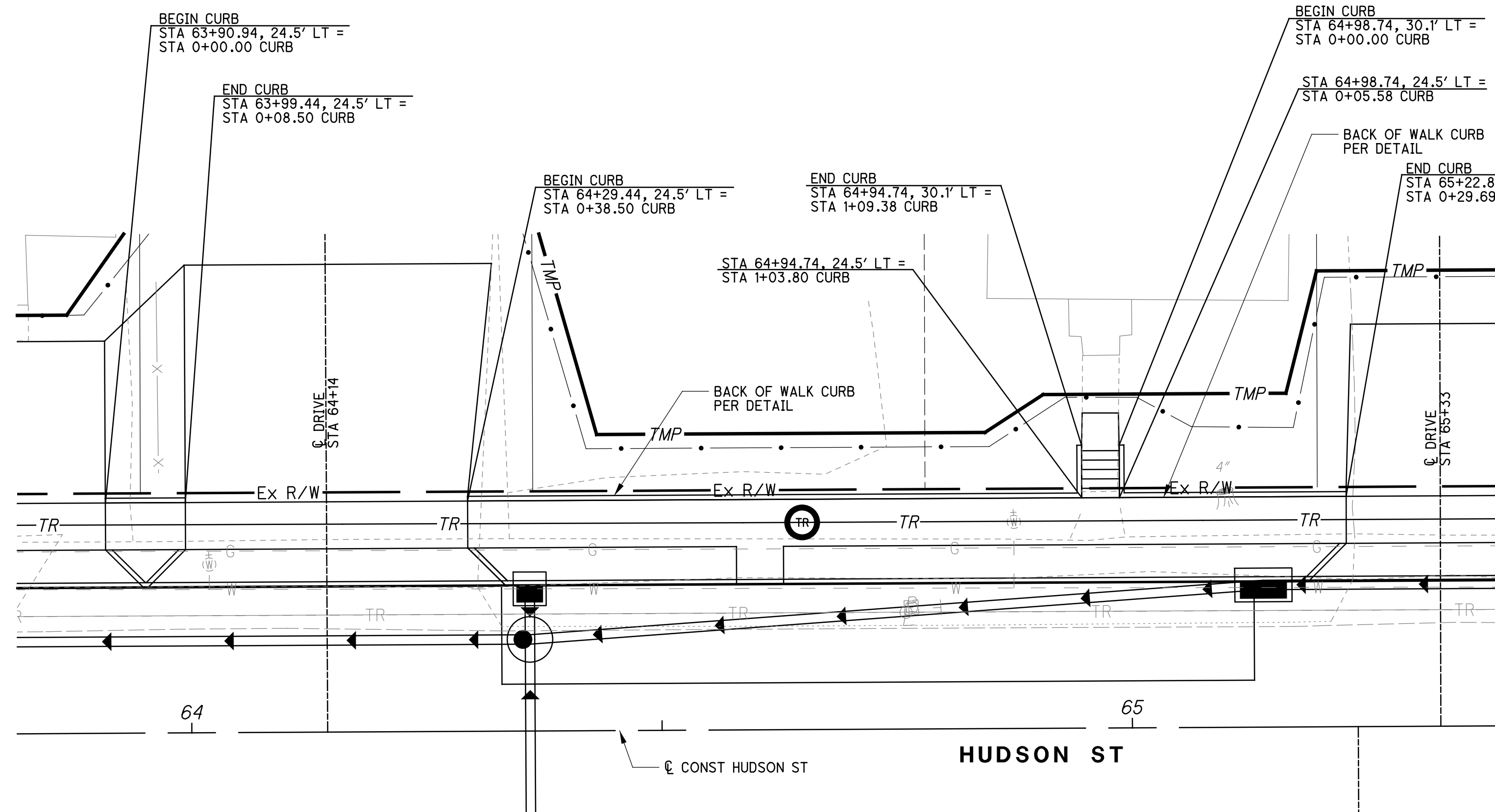


BACK OF WALK CURB - HUDSON ST  
STA 63+34.07 TO STA 65+43.31, RT

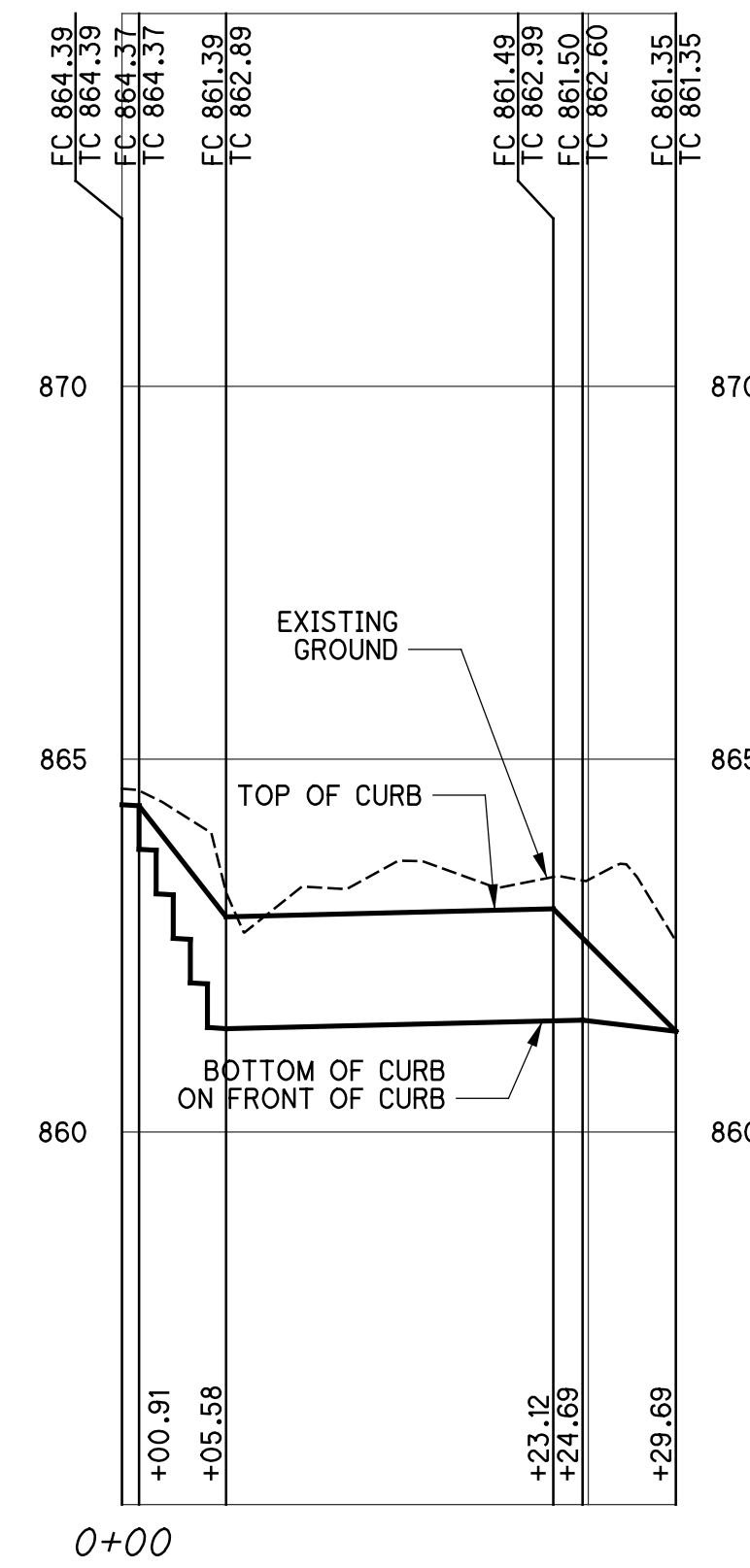
BACK OF WALK CURB - HUDSON ST  
STA 65+55.93 TO STA 66+02.18, RT

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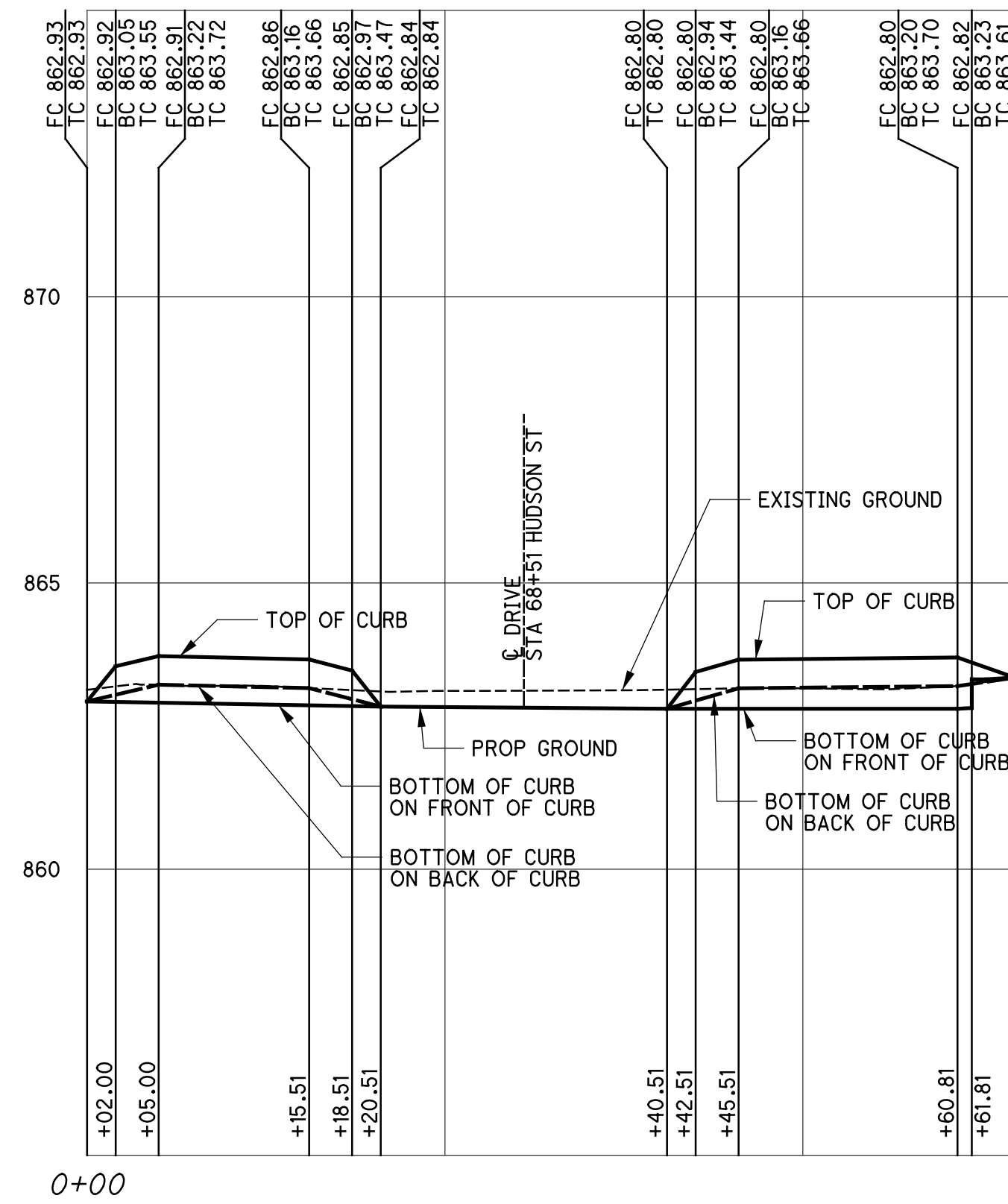
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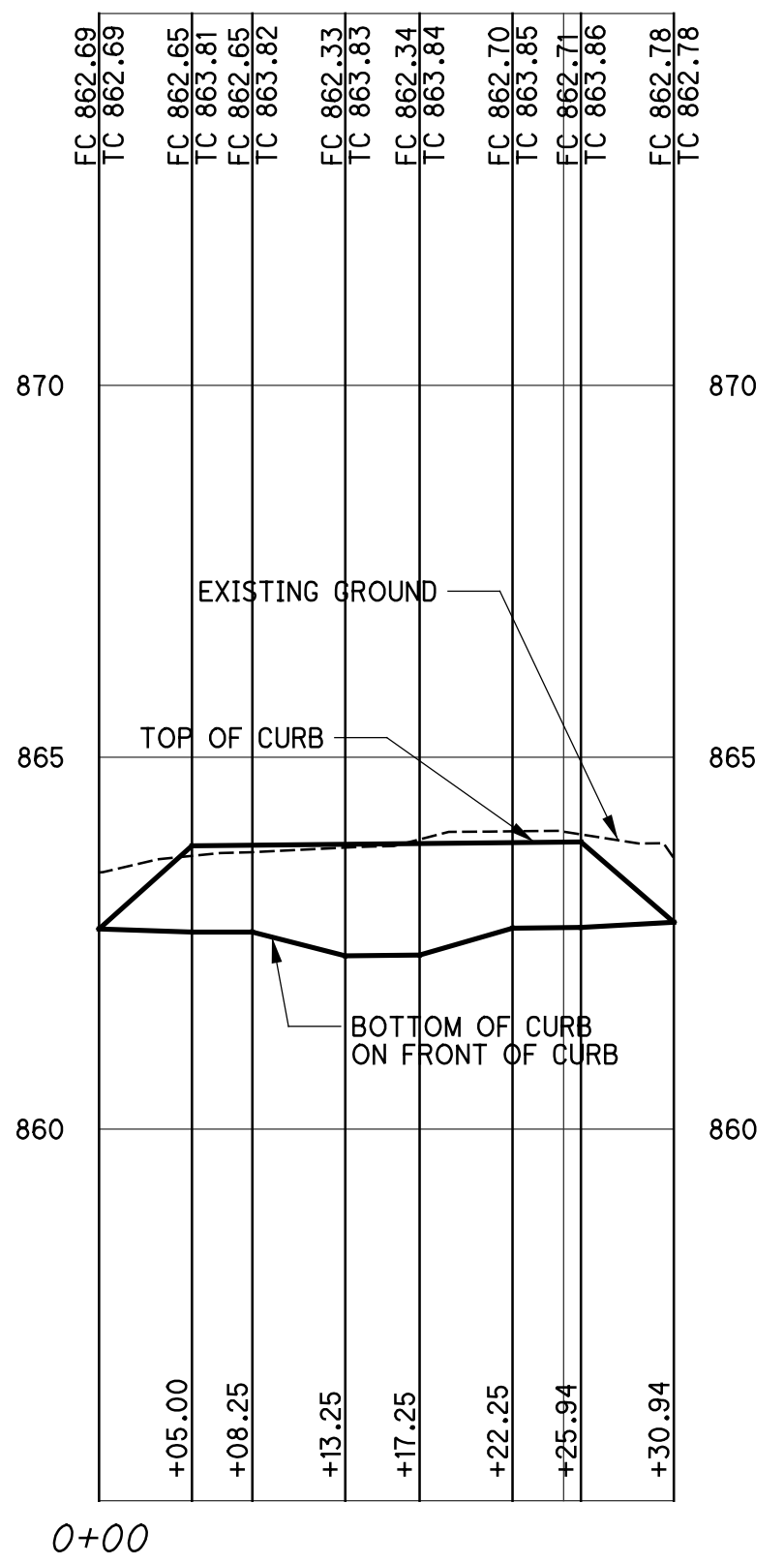
BACK OF WALK CURB - HUDSON ST  
STA 63+90.94 TO STA 64+94.74, LT



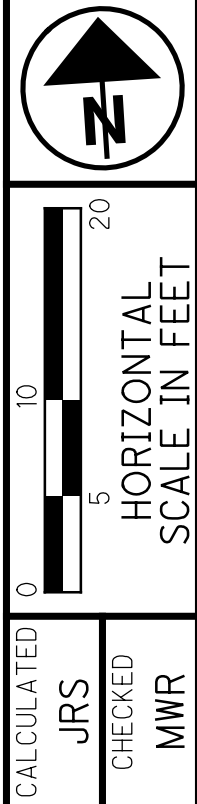
BACK OF WALK CURB - HUDSON ST  
STA 64+98.74 TO STA 65+22.85, LT



BACK OF WALK CURB - HUDSON ST  
STA 68+20.05 TO STA 68+80.88, RT



BACK OF WALK CURB - HUDSON ST  
STA 68+94.25 TO STA 69+25.19, LT



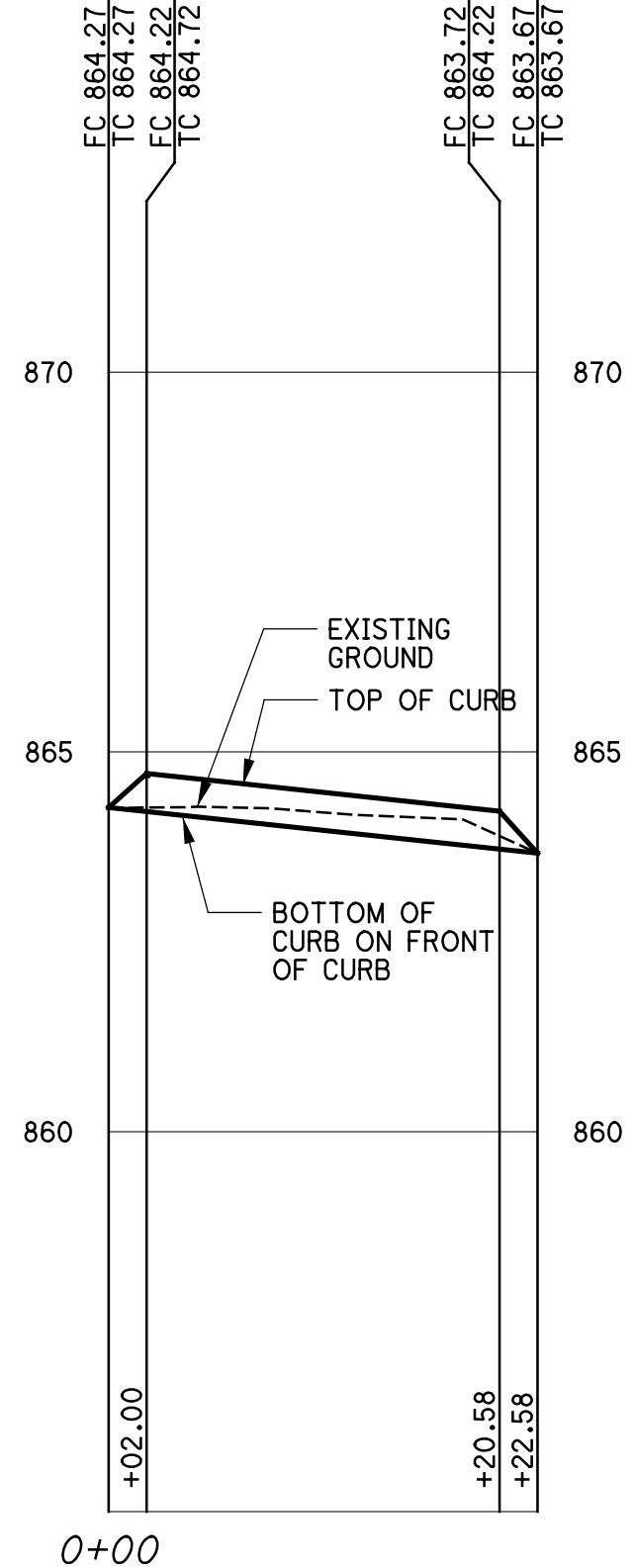
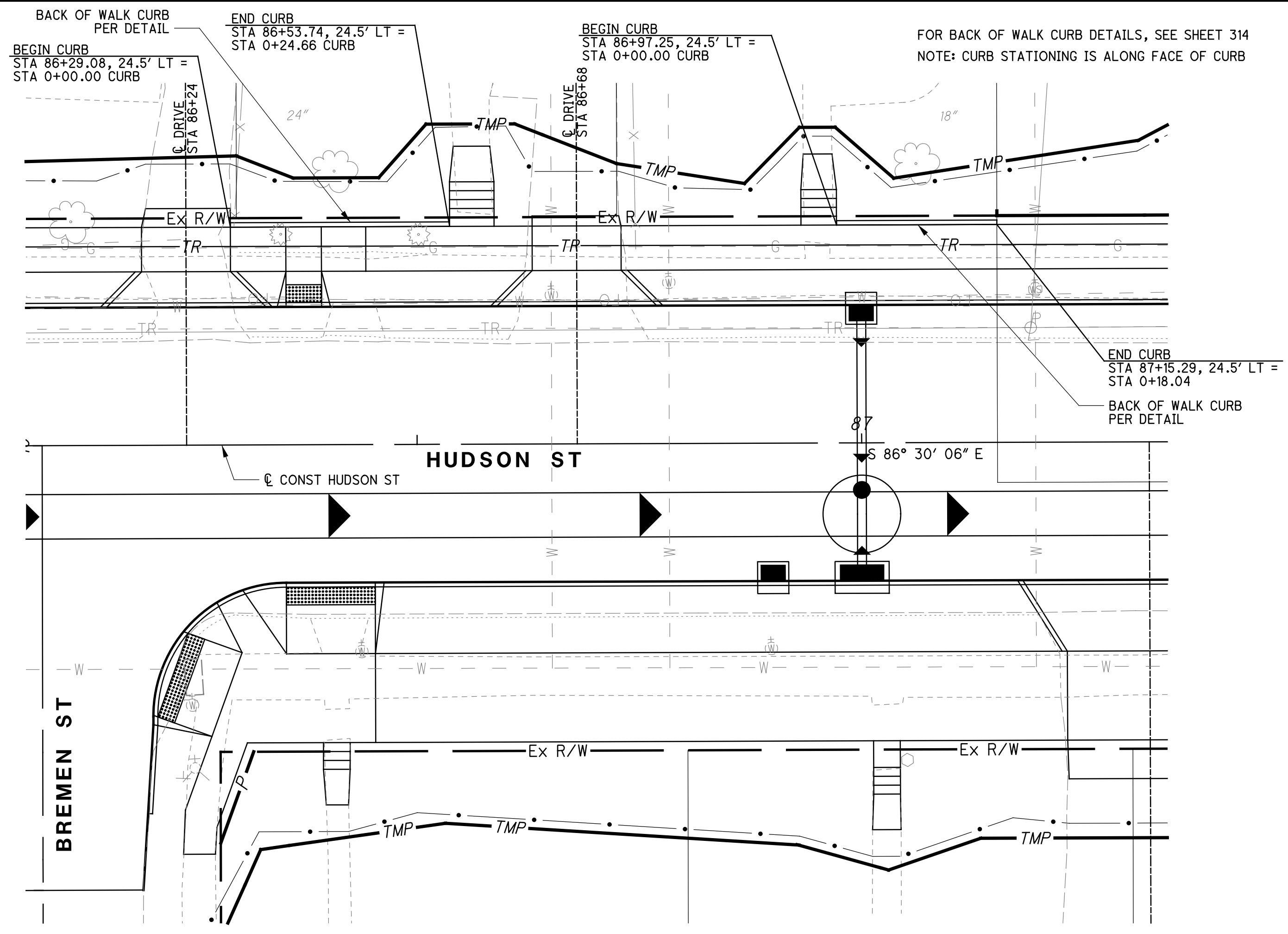
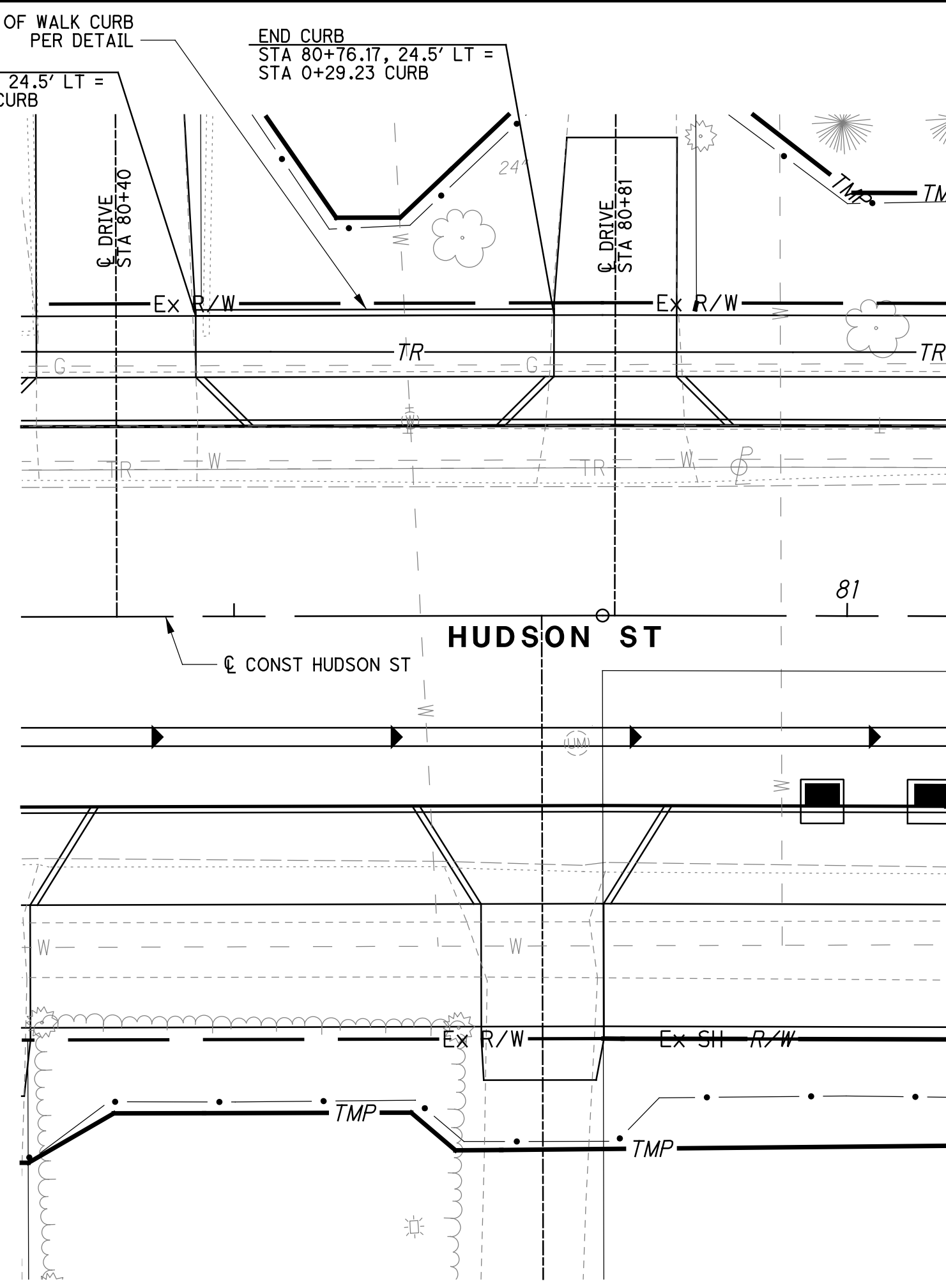
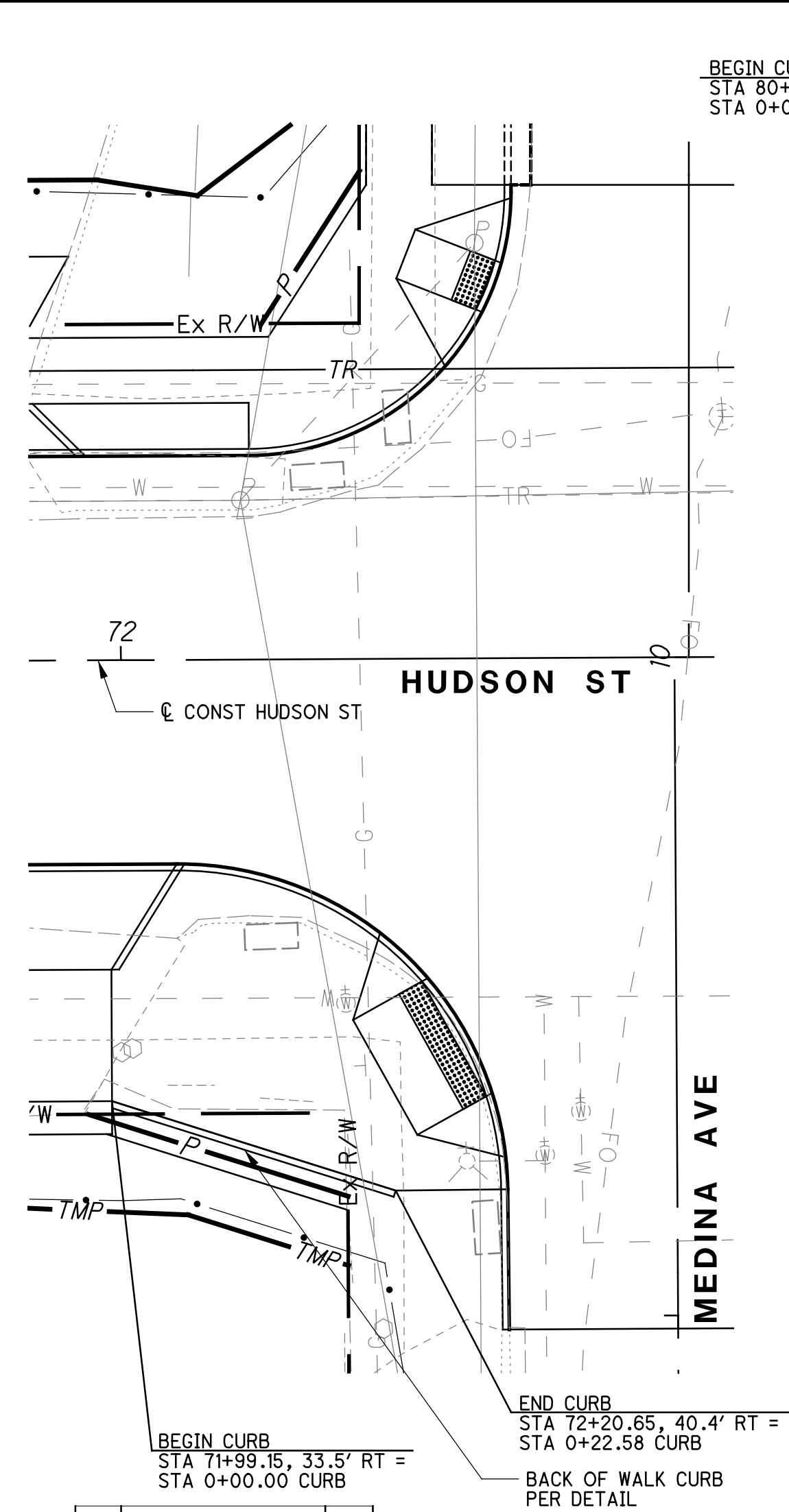
BACK OF WALK CURB DETAILS AND PROFILES  
HUDSON ST STA 63+91 TO STA 69+25

HUDSON ST

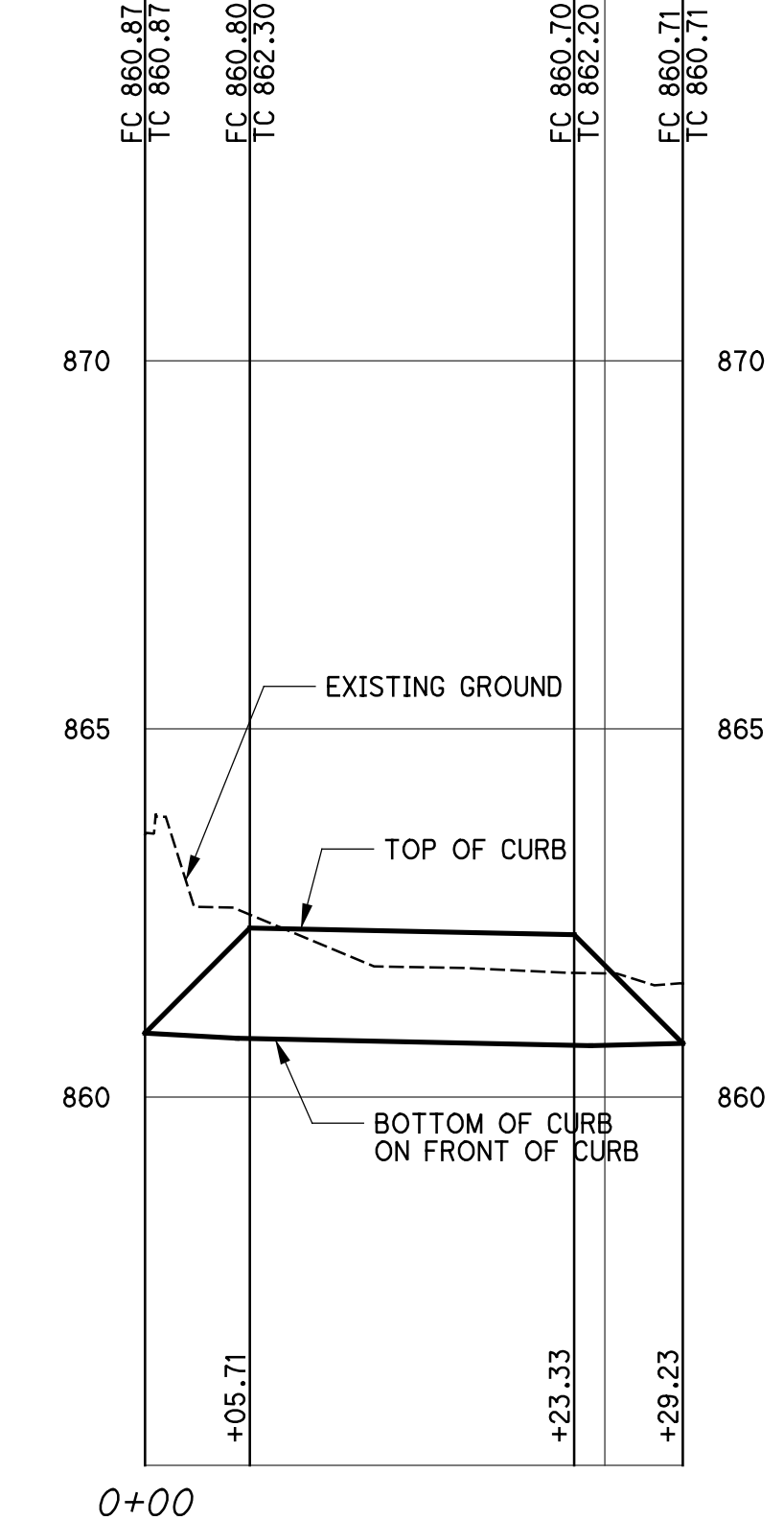
333  
535

3575-E

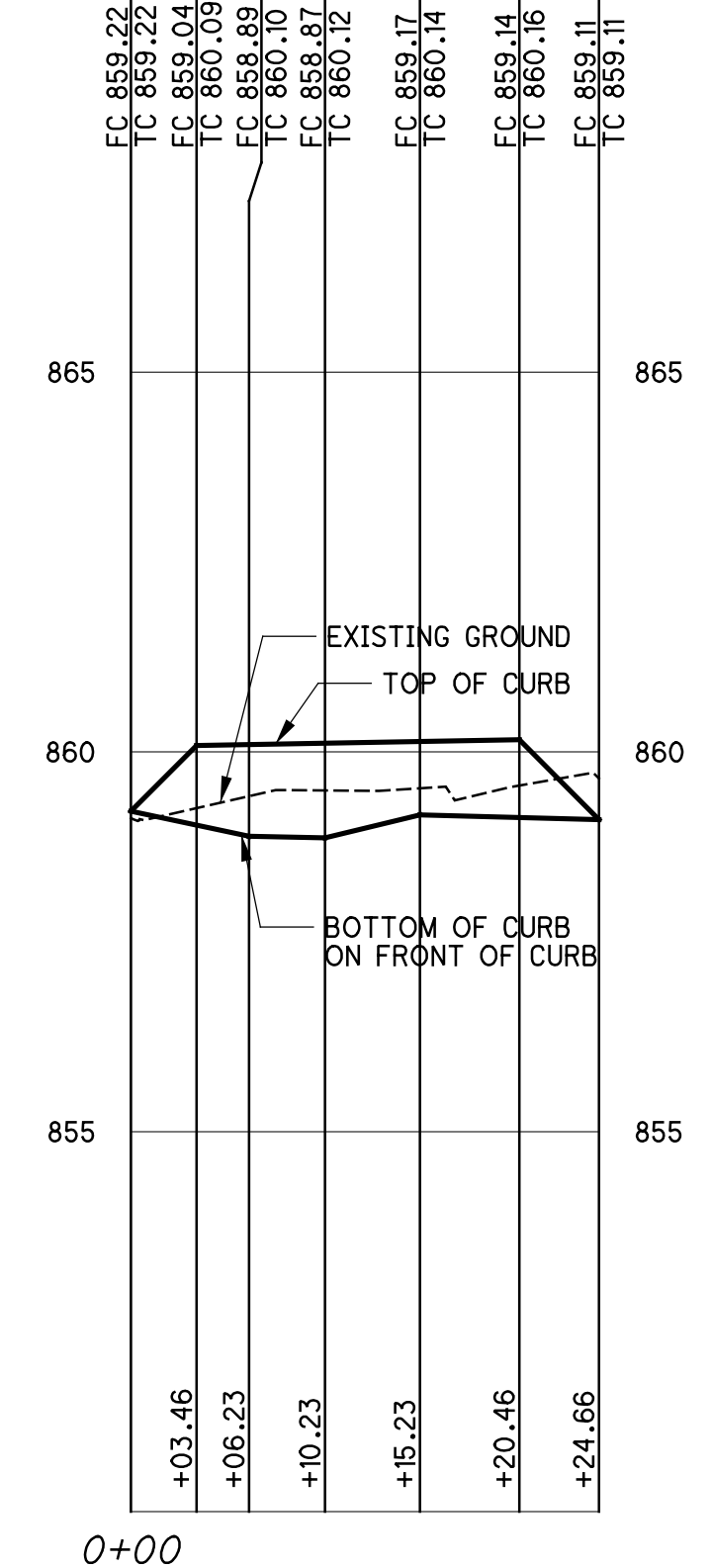
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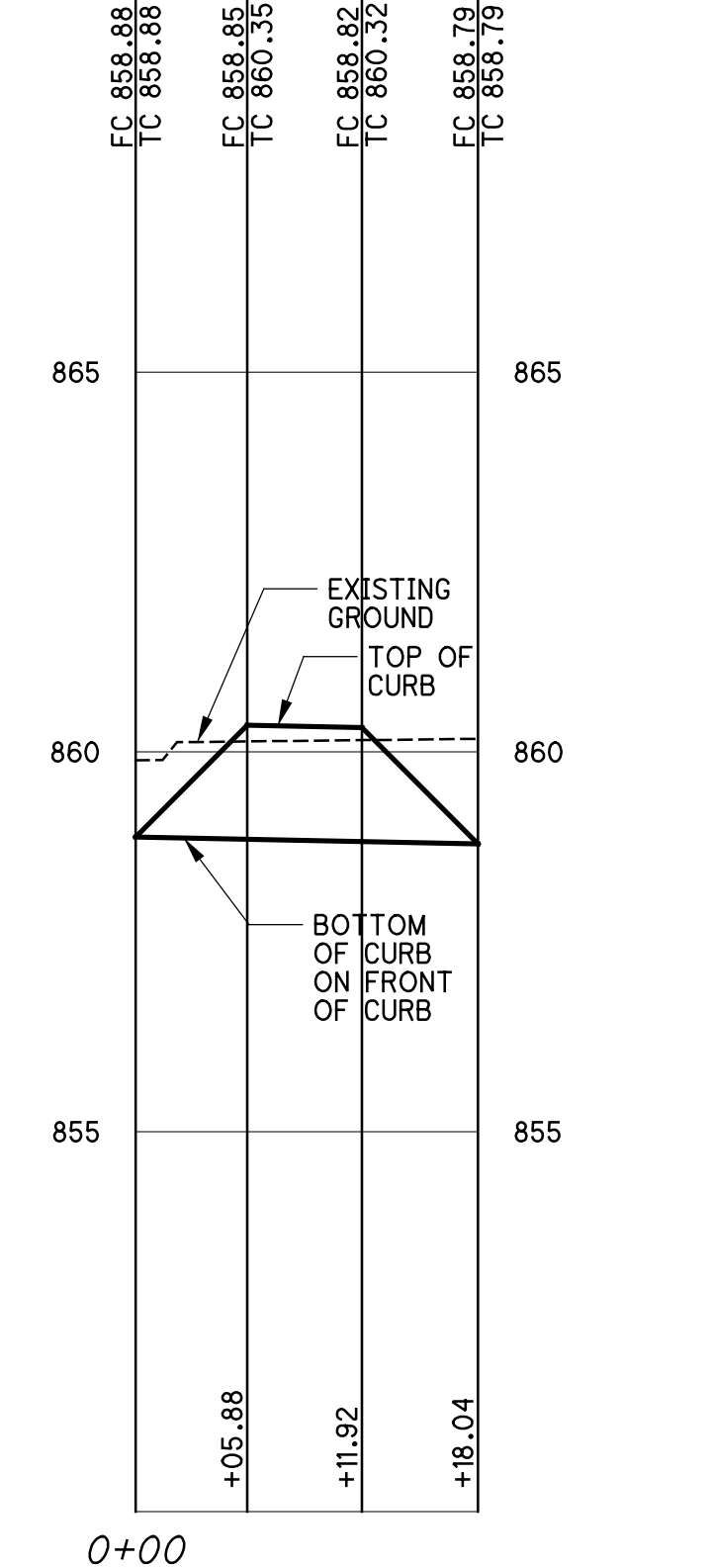
BACK OF WALK CURB - HUDSON ST  
STA 71+99.15 TO STA 72+20.65, RT



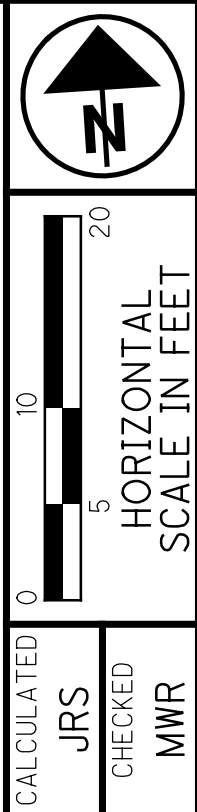
BACK OF WALK CURB - HUDSON ST  
STA 80+46.94 TO STA 80+76.17, LT



BACK OF WALK CURB - HUDSON ST  
STA 86+29.08 TO STA 86+53.74, LT



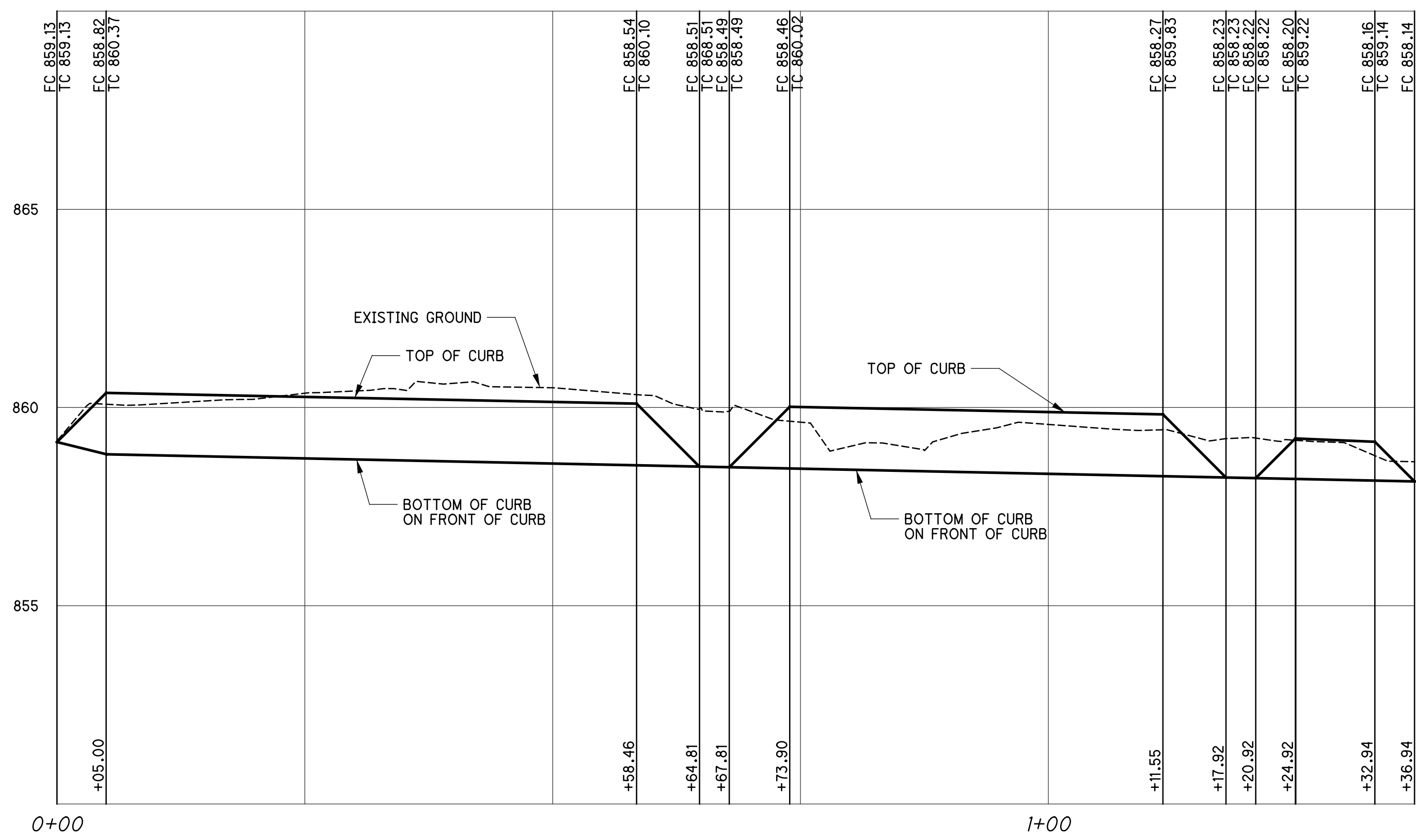
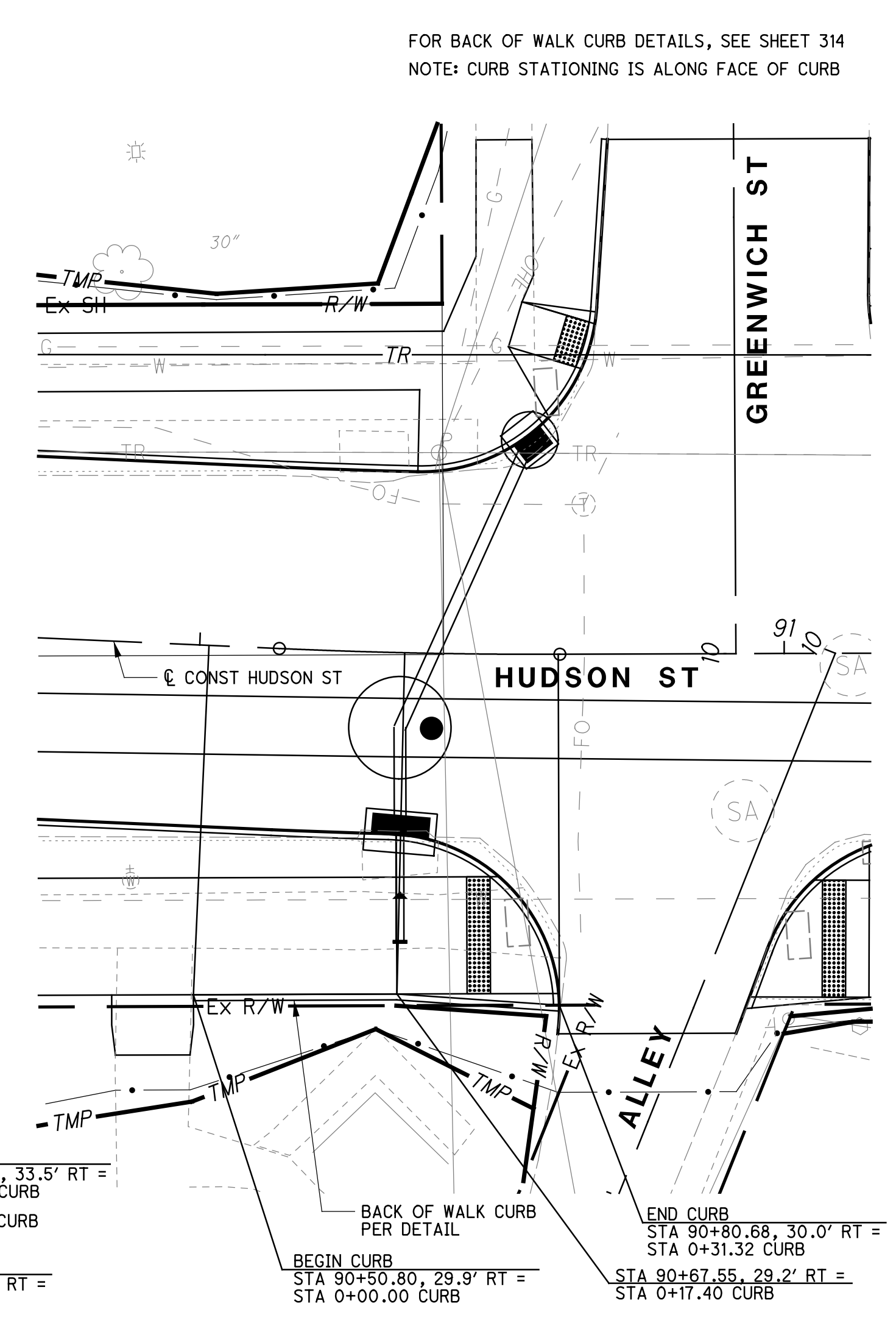
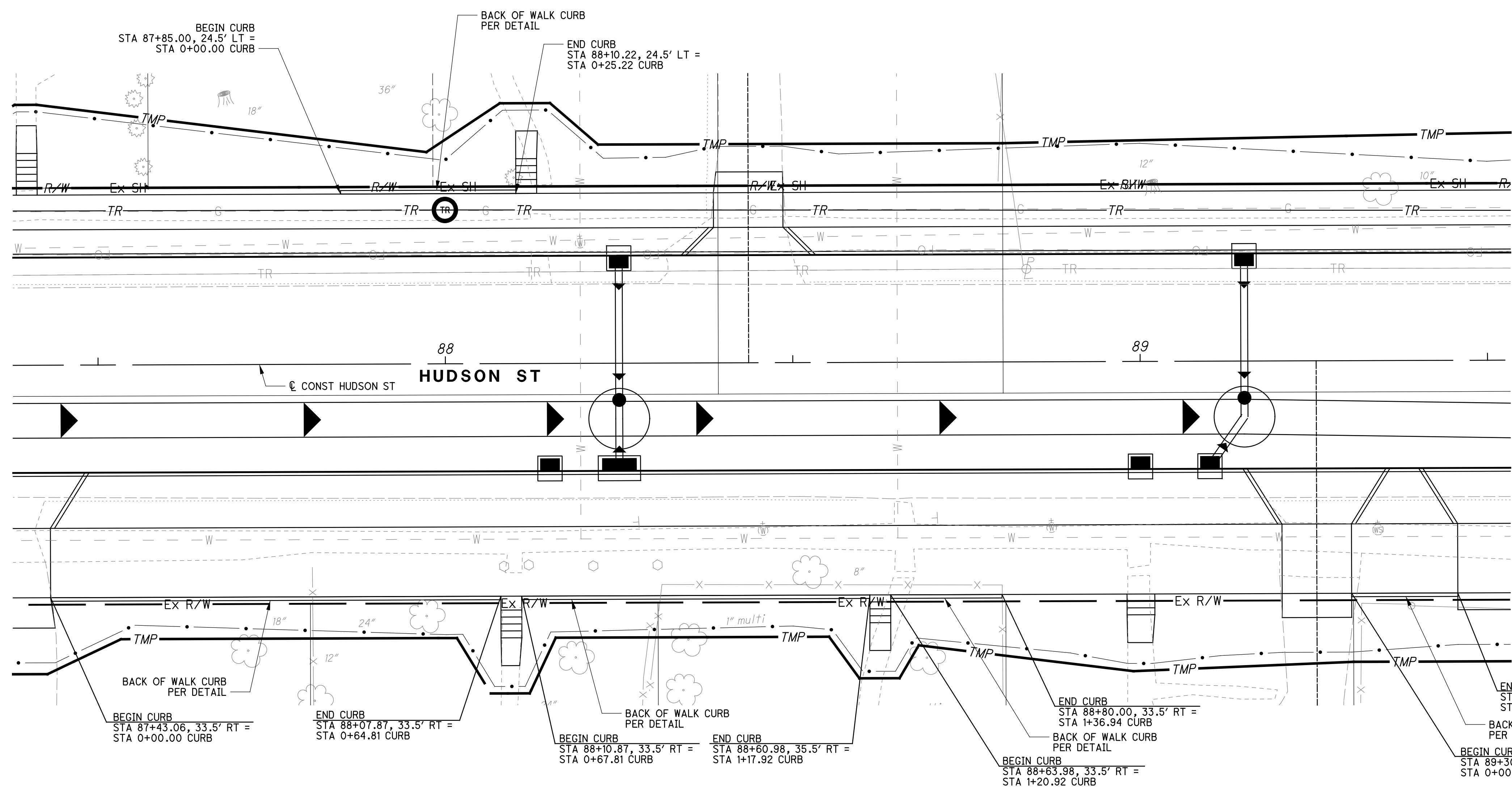
BACK OF WALK CURB - HUDSON ST  
STA 86+97.25 TO STA 87+15.29, LT



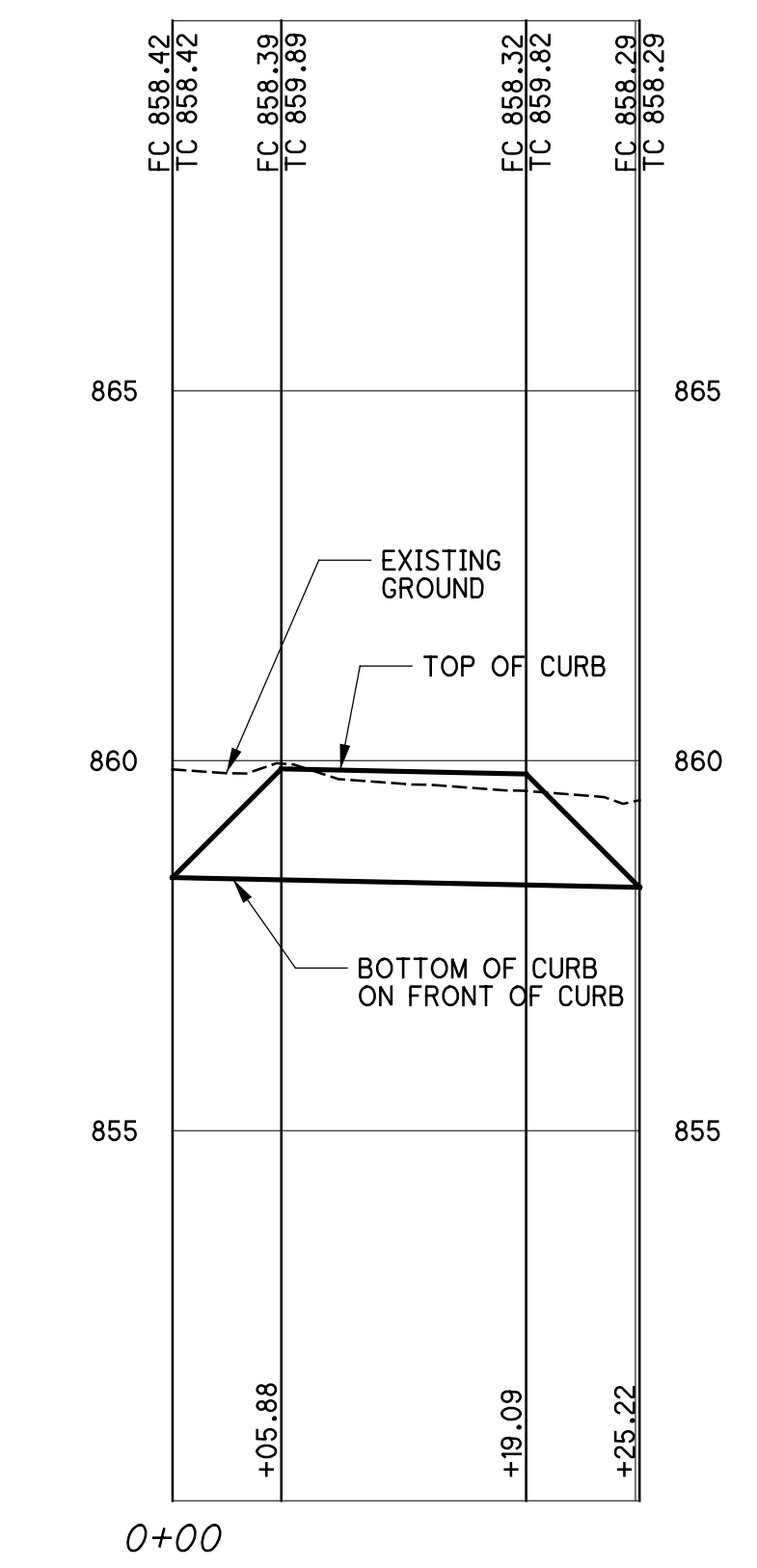
**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 71+99 TO STA 87+15**

**HUDSON ST**

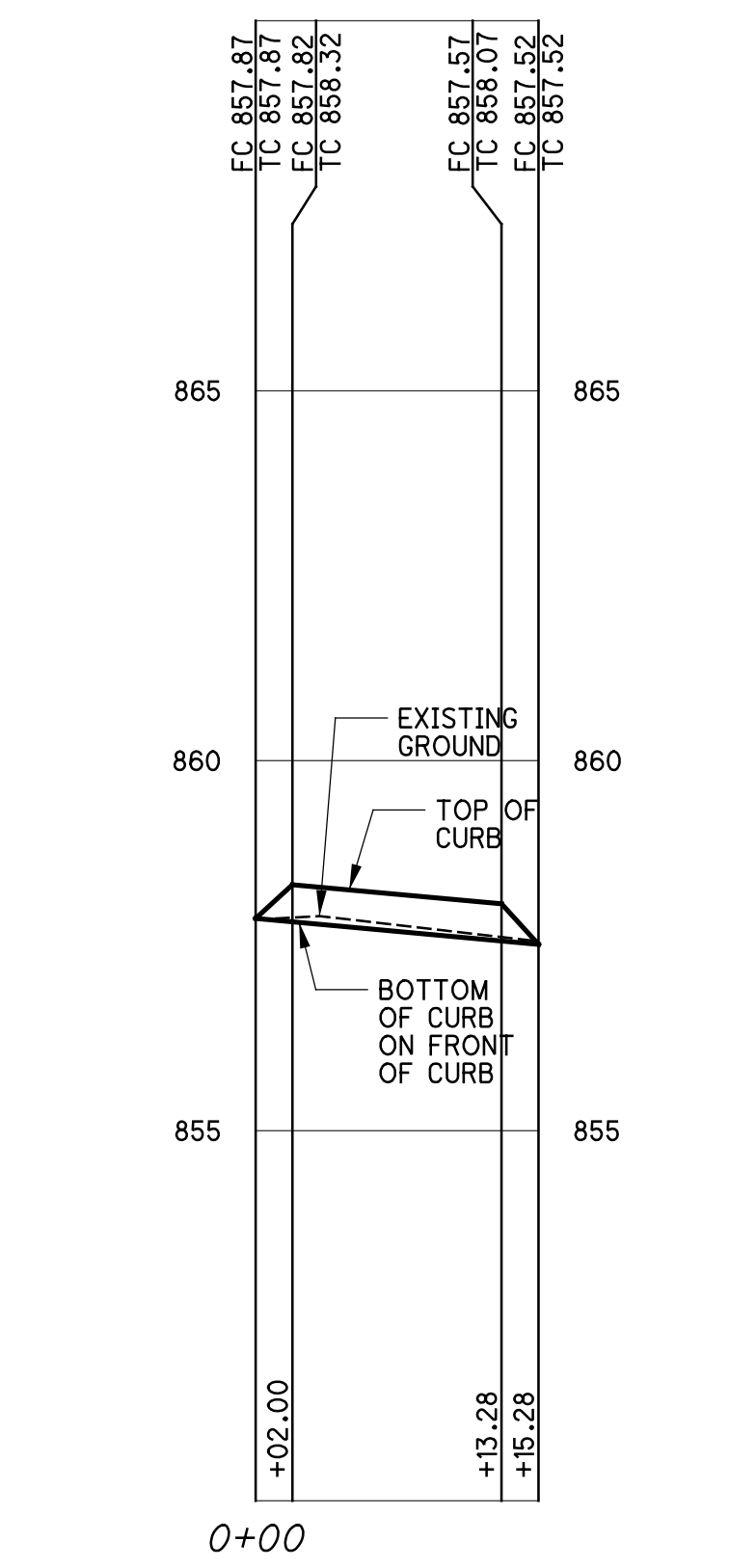
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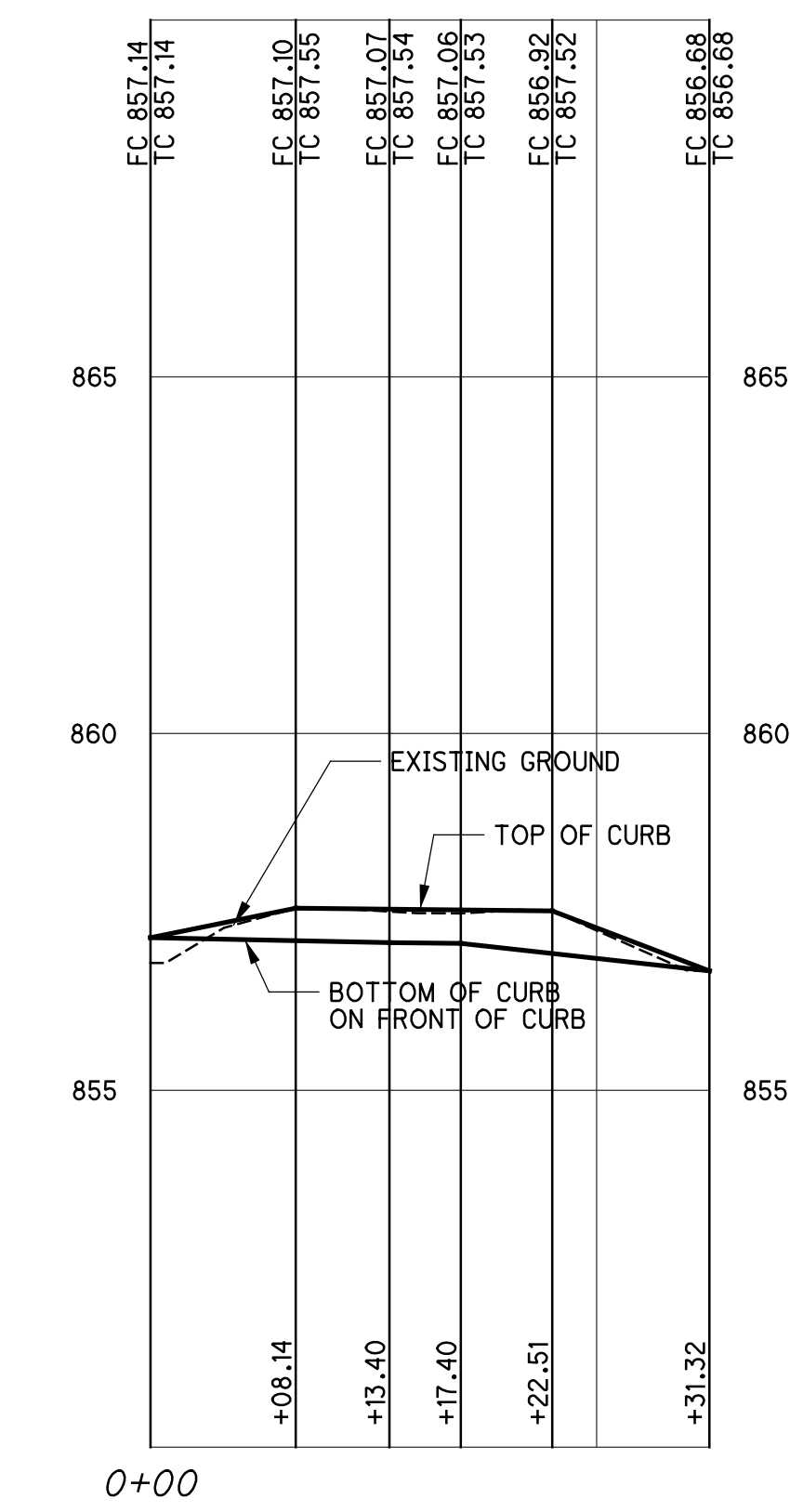
BACK OF WALK CURB - HUDSON ST  
STA 87+43.06 TO STA 88+80.00, RT



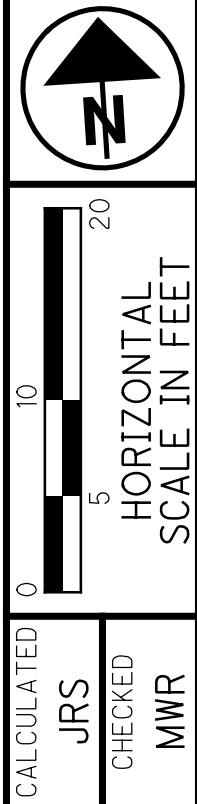
BACK OF WALK CURB - HUDSON ST  
STA 87+85.00 TO STA 88+10.22, LT



BACK OF WALK CURB - HUDSON ST  
STA 89+30.33 TO STA 89+45.61, RT

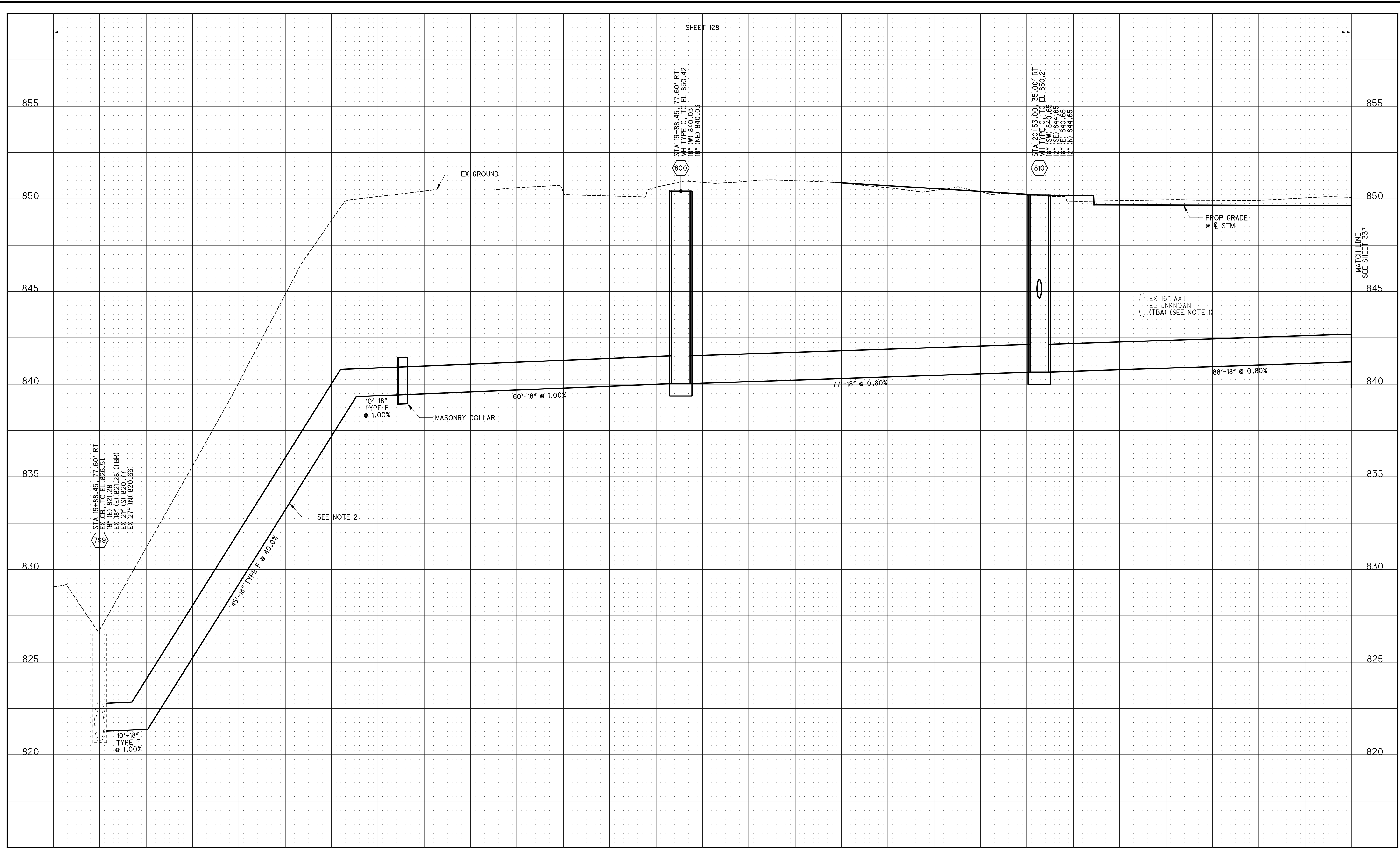


BACK OF WALK CURB - HUDSON ST  
STA 90+50.80 TO STA 90+80.68, RT



**BACK OF WALK CURB DETAILS AND PROFILES**  
**HUDSON ST STA 87+43 TO STA 90+81**

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SHEET 128

CALCULATED  
BER  
CHECKED  
MWR

SCALE  
VERT: 1" = 2.5'  
HORIZ: 1" = 10'

STORM SEWER PROFILES

HUDSON ST

NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

- \* CONCRETE ENCASEMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

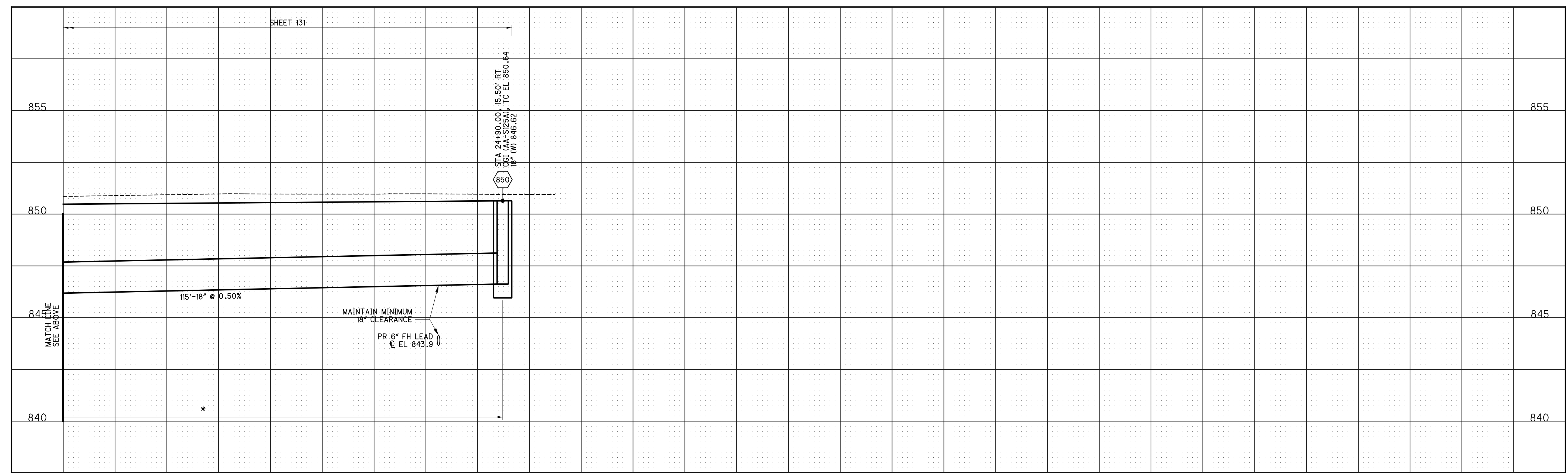
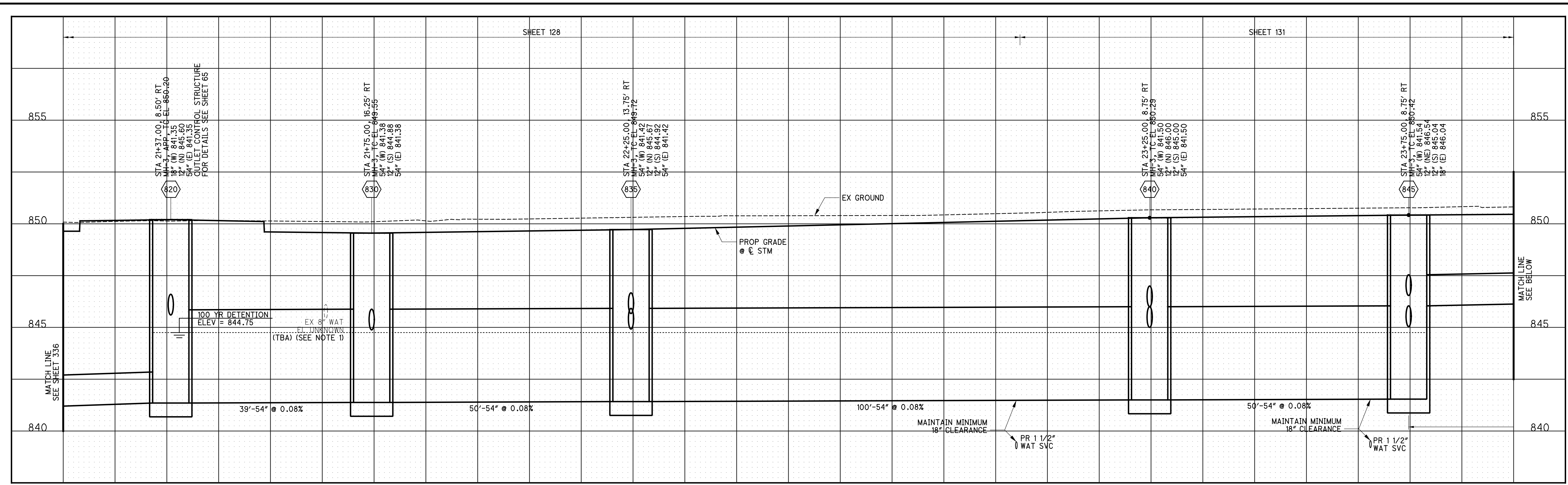
NOTE 2: PROPOSED STORM SEWER LOCATED WITHIN ODOT LA-R/W WILL CONTINUE TO BE OWNED AND MAINTAINED BY ODOT AFTER CONSTRUCTION

3575-E

336  
535



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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

\* CONCRETE ENCASEMENT PER ITEM 910

\* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

CALCULATED  
BER  
CHECKED  
MWR

SCALE  
VERT: 1" = 2.5'  
HORIZ: 1" = 10'

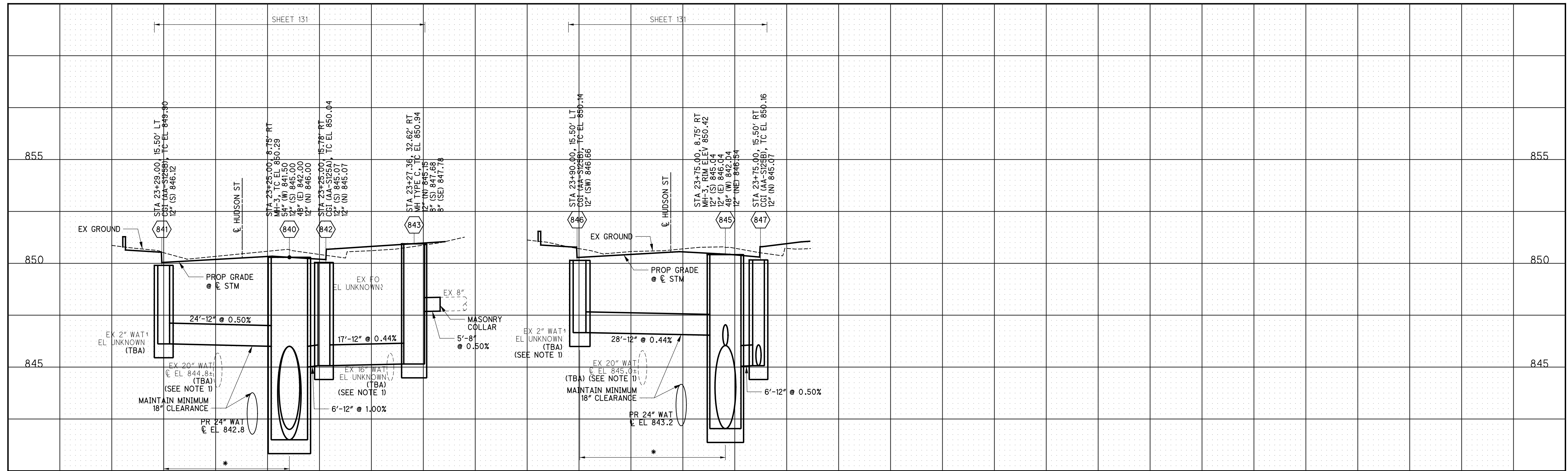
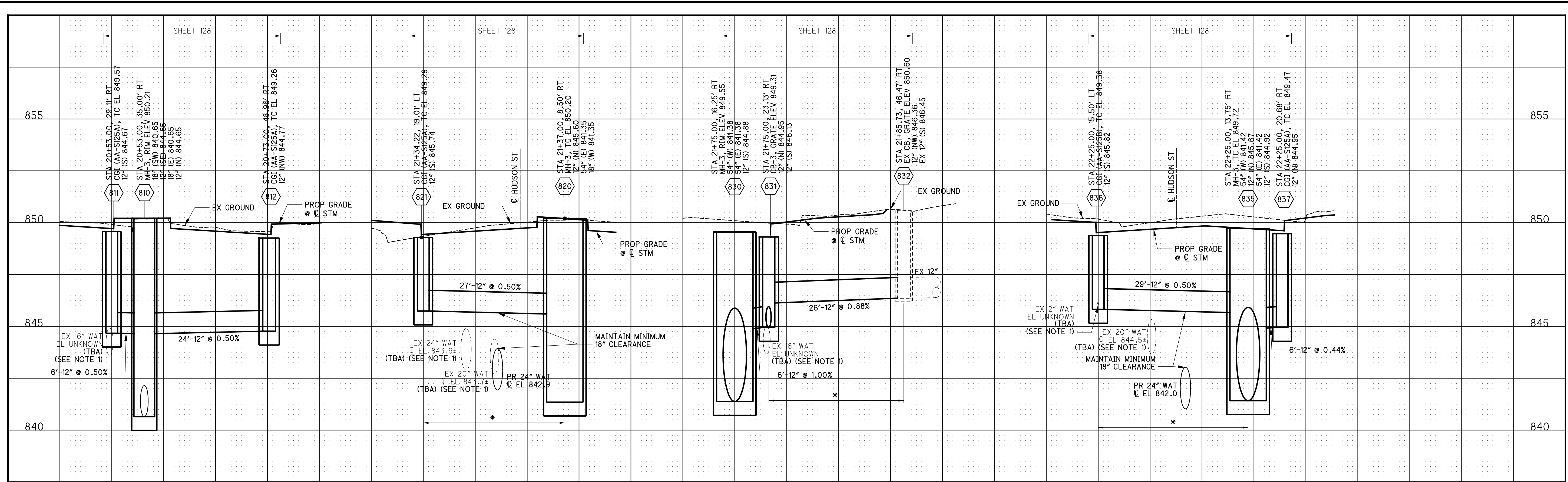
**STORM SEWER PROFILES**

**HUDSON ST**

**3575-E**

337  
535

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

- \* CONCRETE ENCASEMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

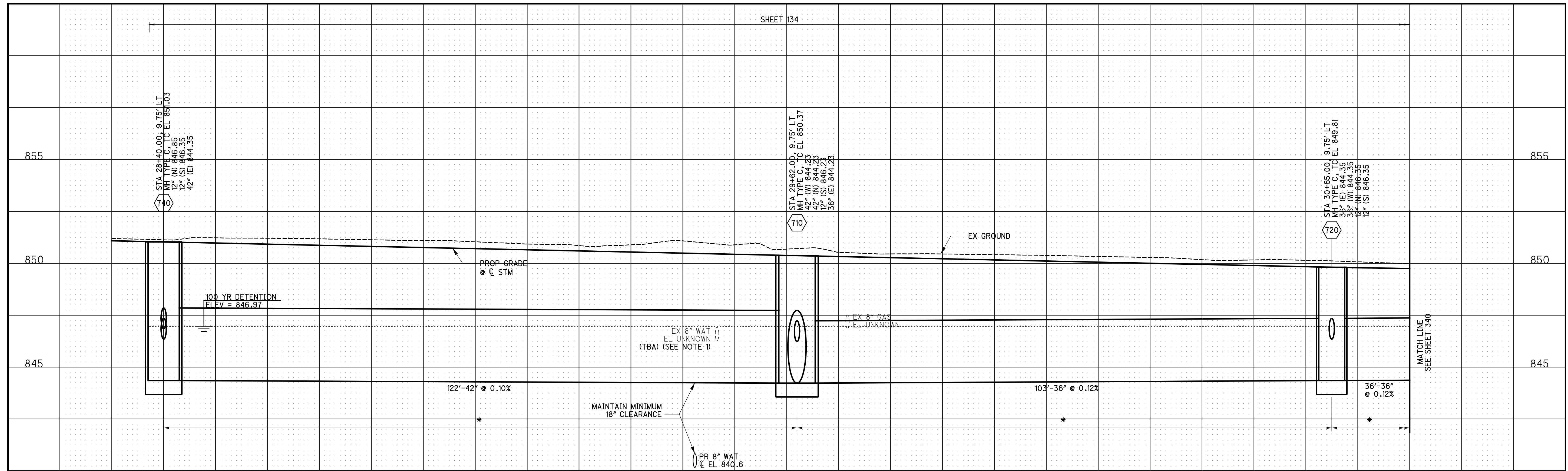
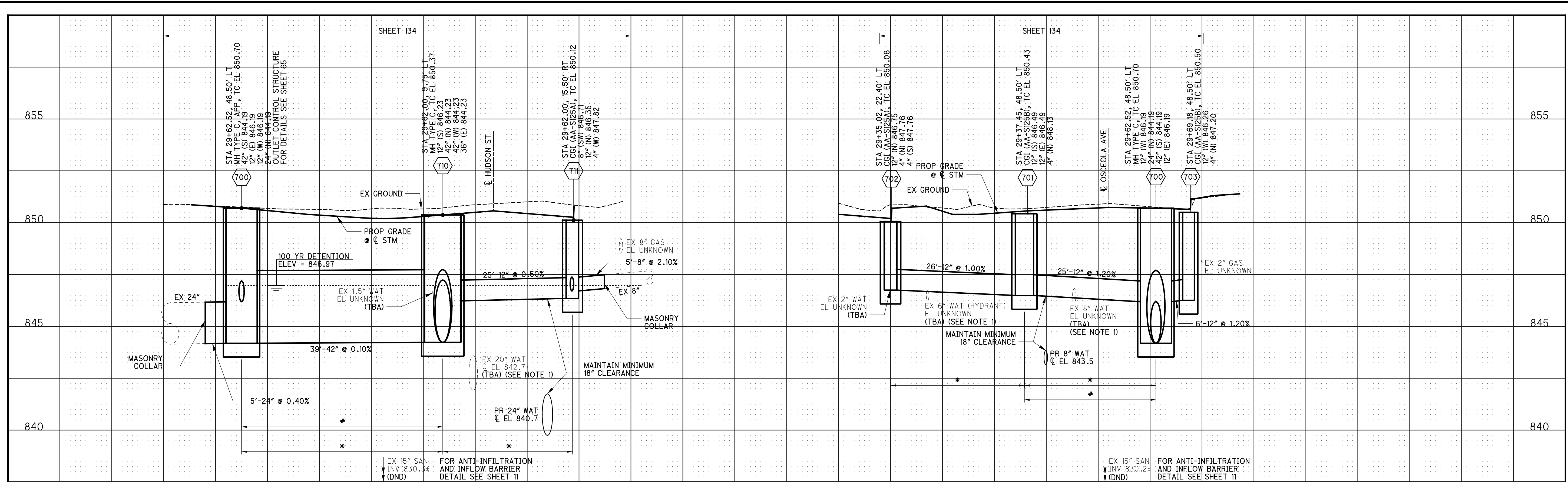
FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

CALCULATED  
 BER  
 CHECKED  
 MWR

SCALE  
 VERT: 1" = 2.5'  
 HORIZ: 1" = 10'

STORM SEWER PROFILES

HUDSON ST



NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

\* CONCRETE ENCASEMENT PER ITEM 910  
 \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

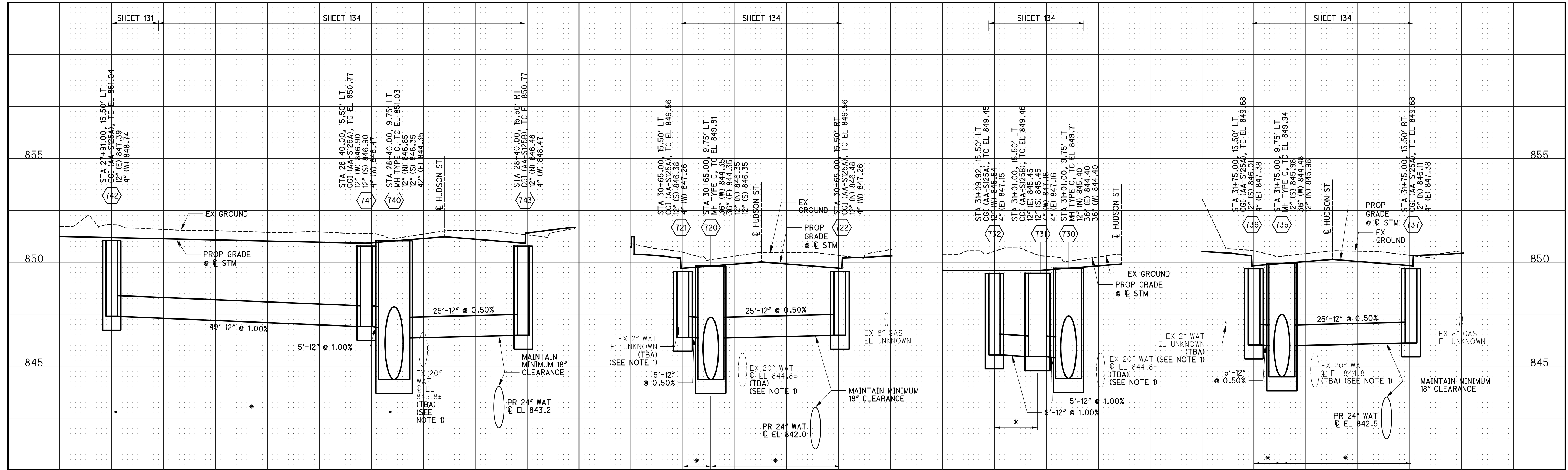
NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

CALCULATED  
 BER  
 CHECKED  
 MWR

SCALE  
 VERT: 1" = 2.5'  
 HORIZ: 1" = 10'

STORM SEWER PROFILES

HUDSON ST



NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

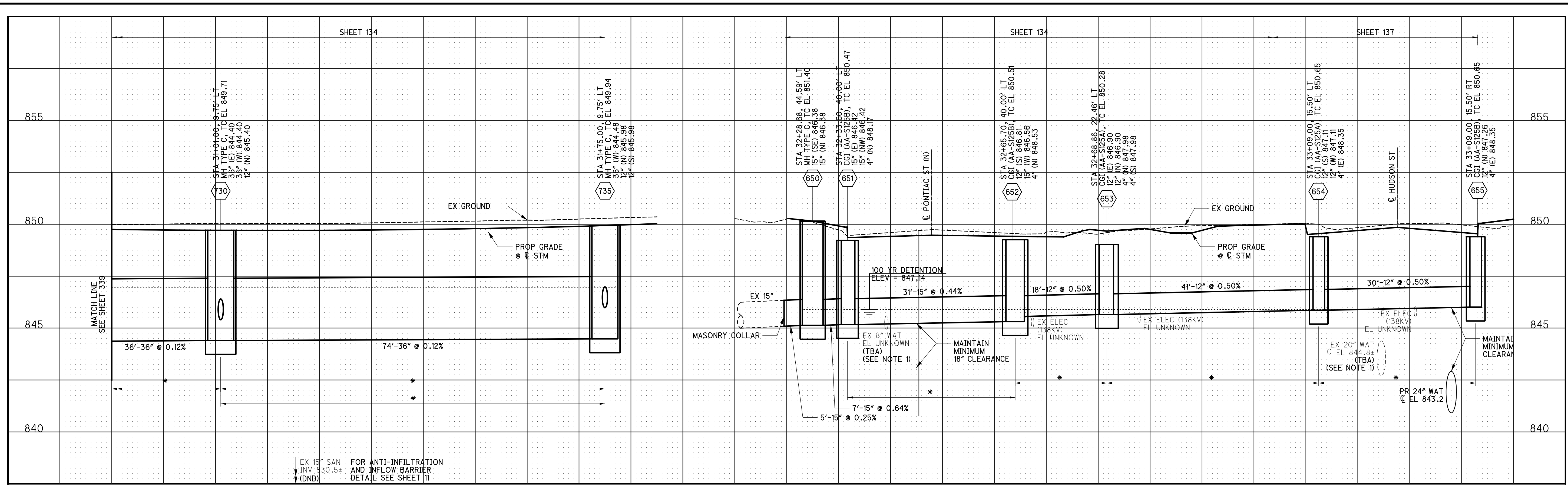
\* CONCRETE ENCASEMENT PER ITEM 910

\* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

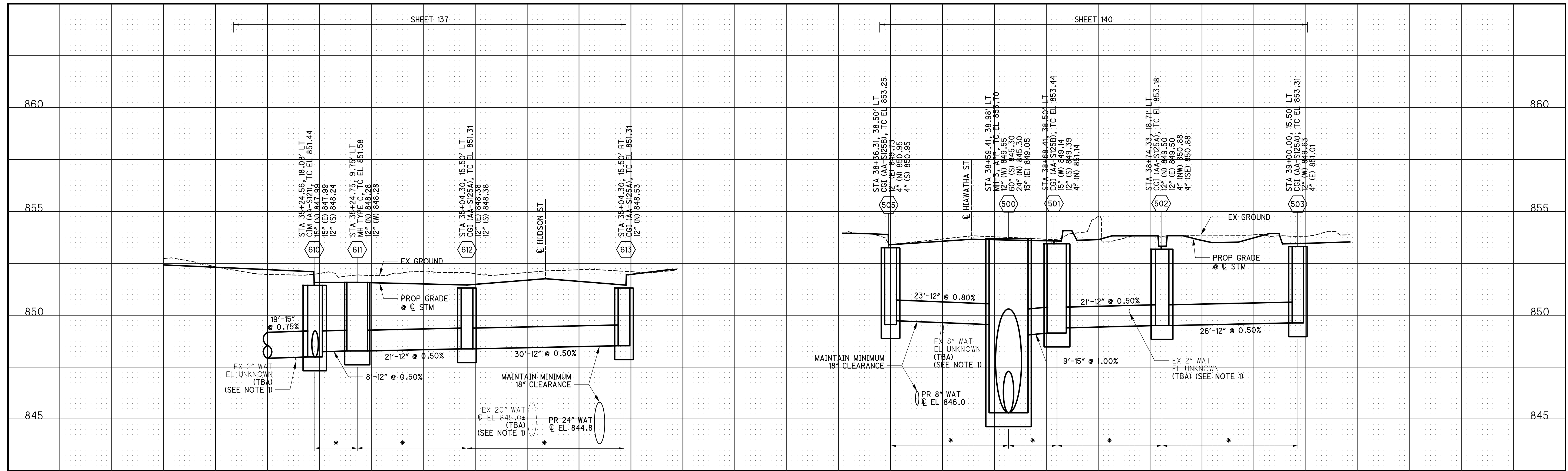
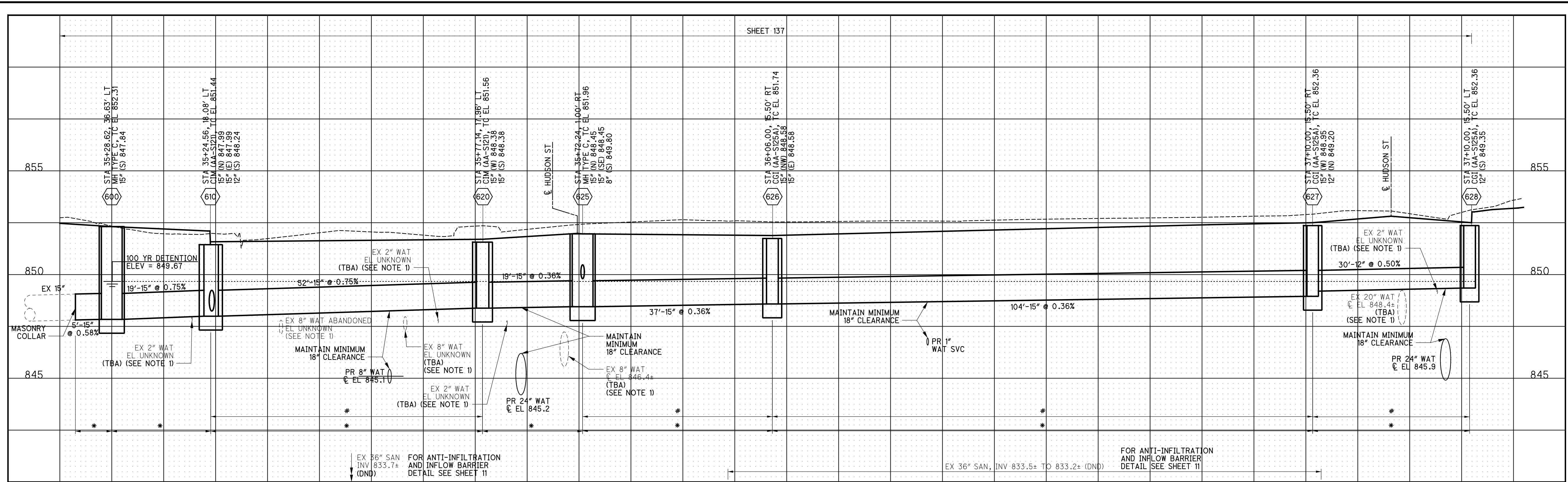
FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.



EX 15" SAN INV 830.5± FOR ANTI-INFILTRATION AND INFLOW BARRIER (DND) DETAIL SEE SHEET 11

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

- \* CONCRETE ENCASUREMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

SHEET 137

SHEET 140

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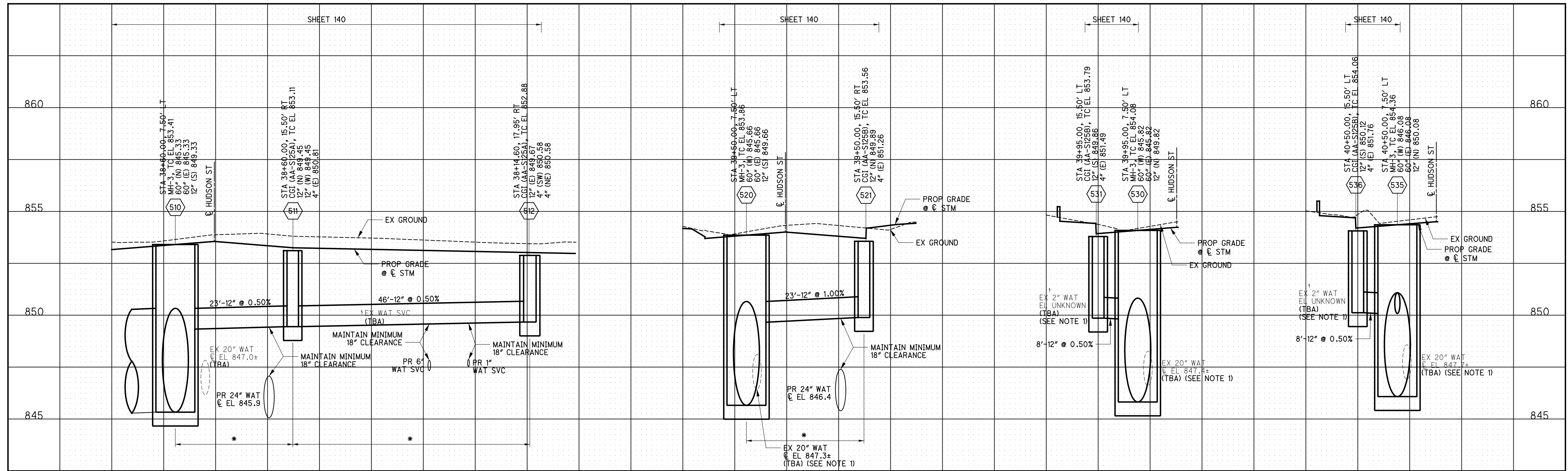
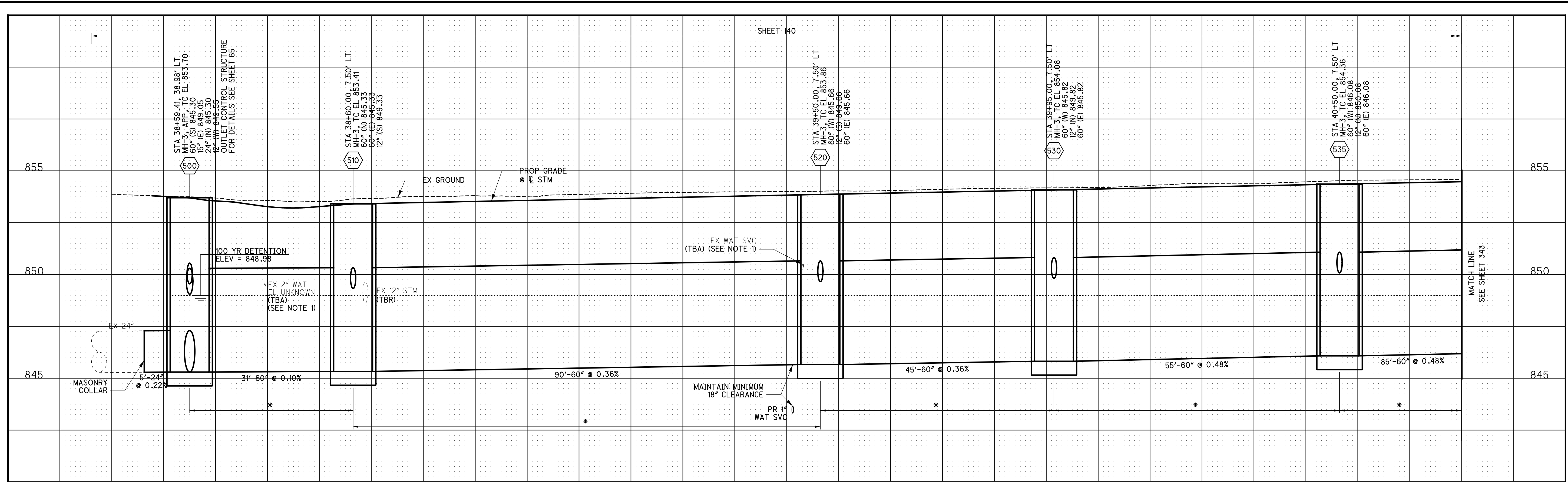
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VERT: 1" = 2.5'  
HORIZ: 1" = 10'

STORM SEWER PROFILES

HUDSON ST

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341  
535



NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

\* CONCRETE ENCASMENT PER ITEM 910  
 \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

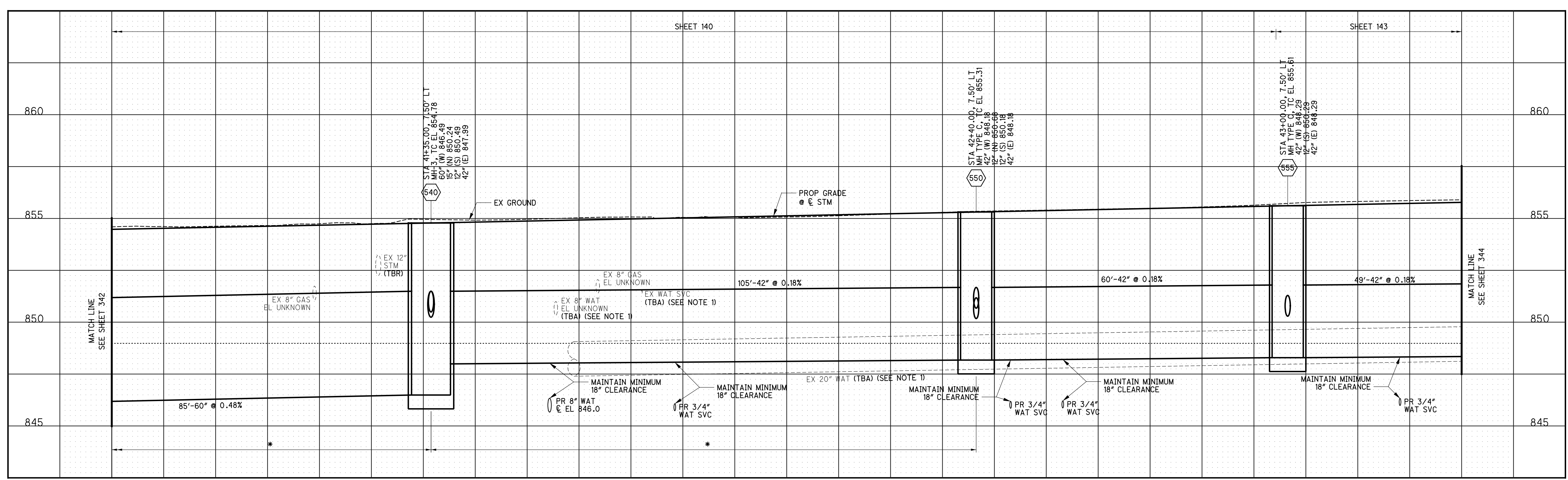
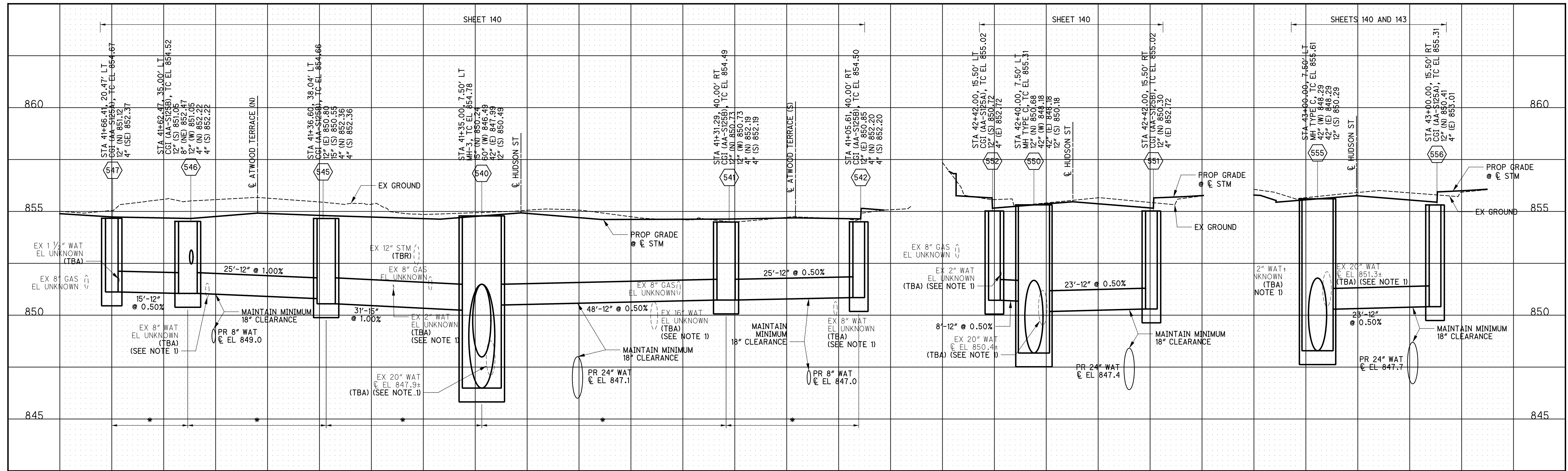
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STORM SEWER PROFILES

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

- \* CONCRETE ENCASEMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

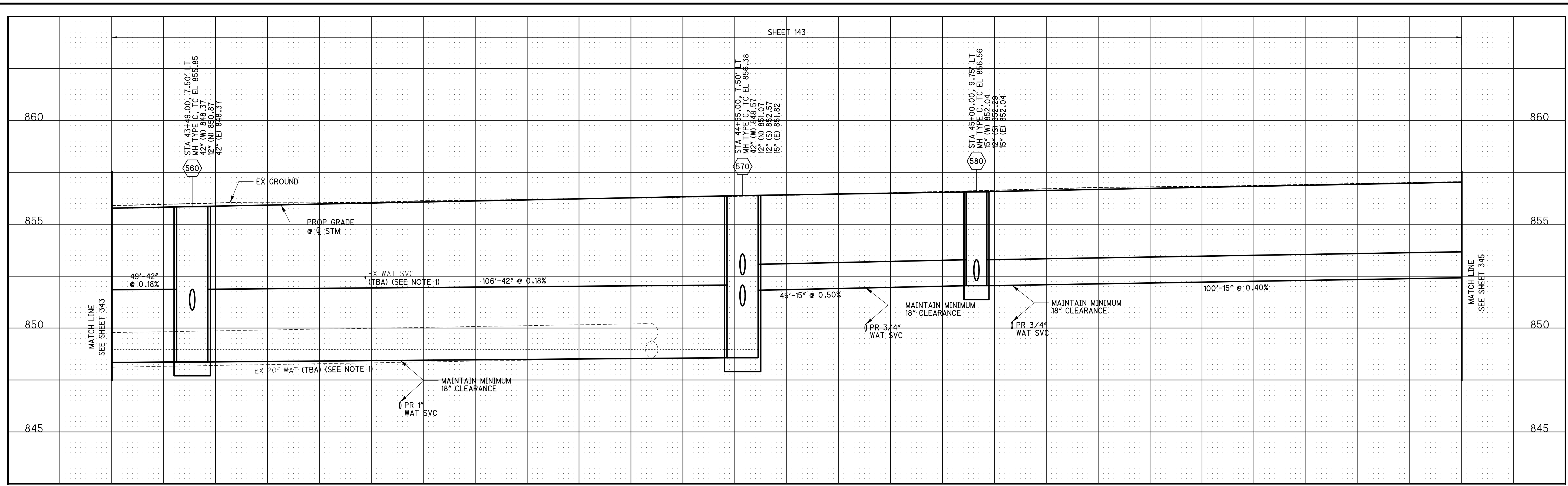
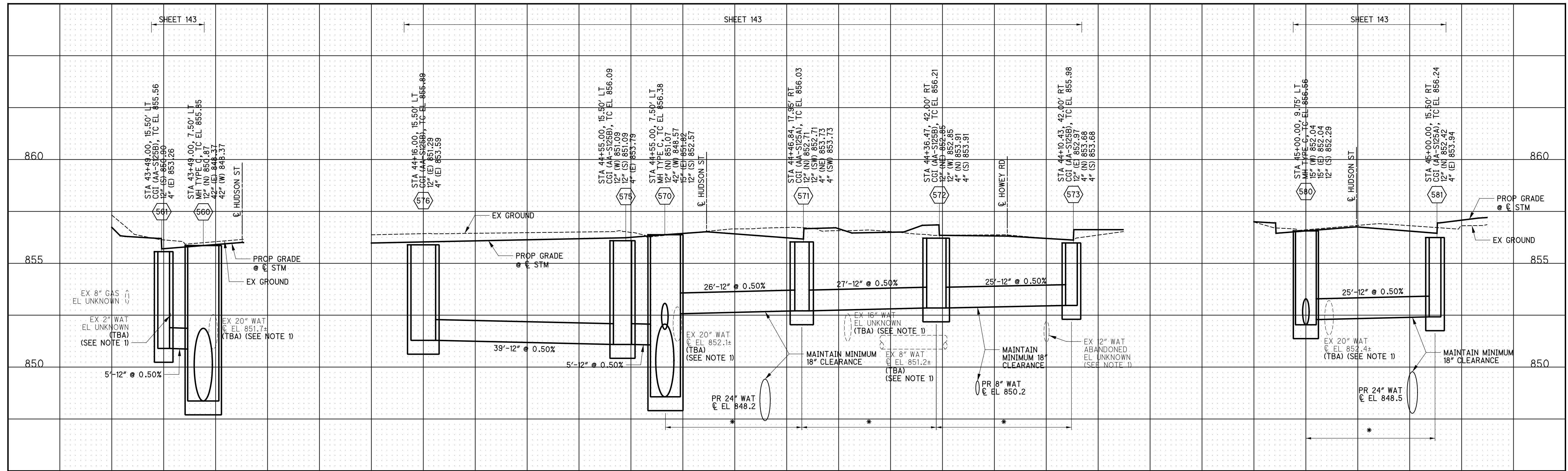
3575-E

HUDSON ST

STORM SEWER PROFILES

SCALE VERT: 1" = 2.5'  
 HORIZ: 1" = 10'  
 CALCULATED  
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343  
535



NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

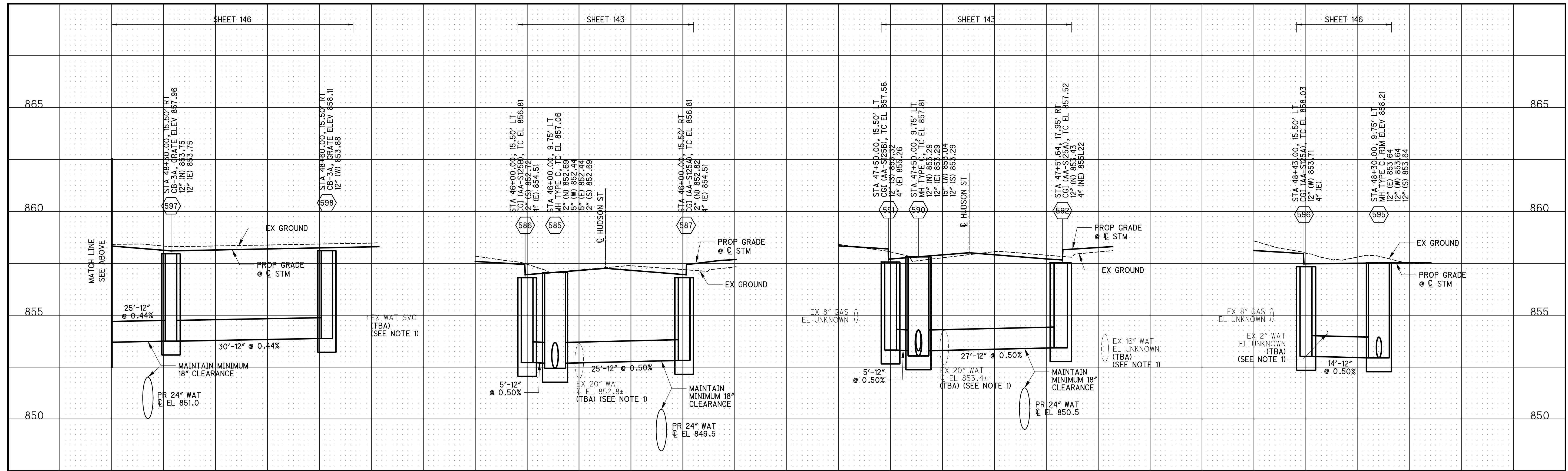
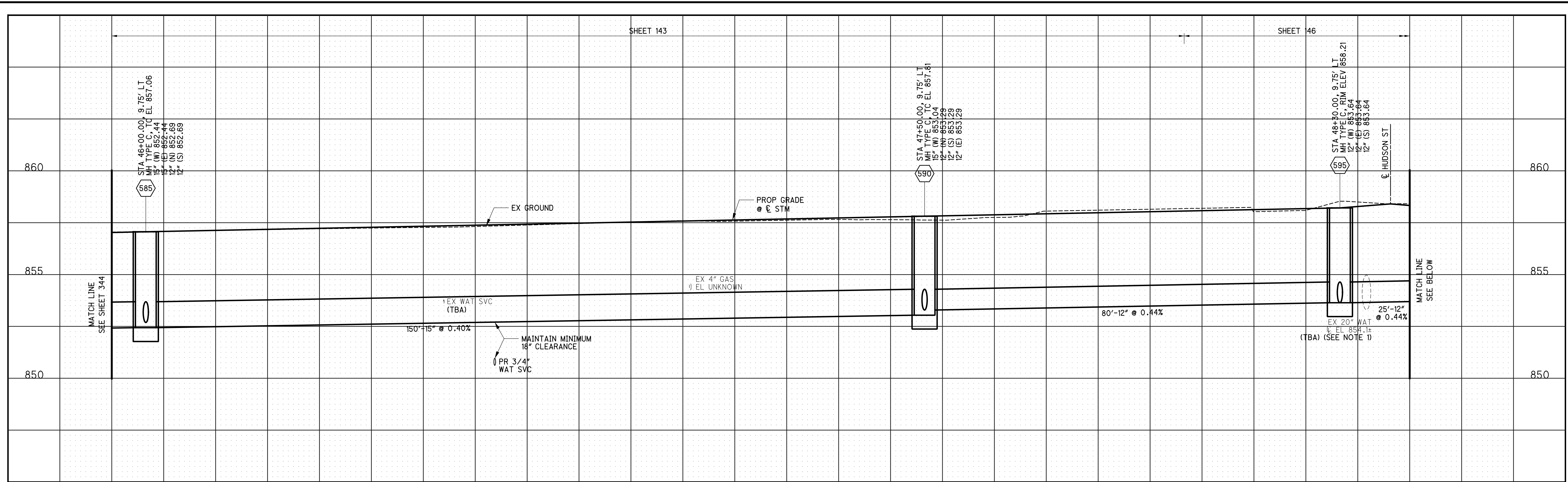
\* CONCRETE ENCASMENT PER ITEM 910  
\* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.





NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

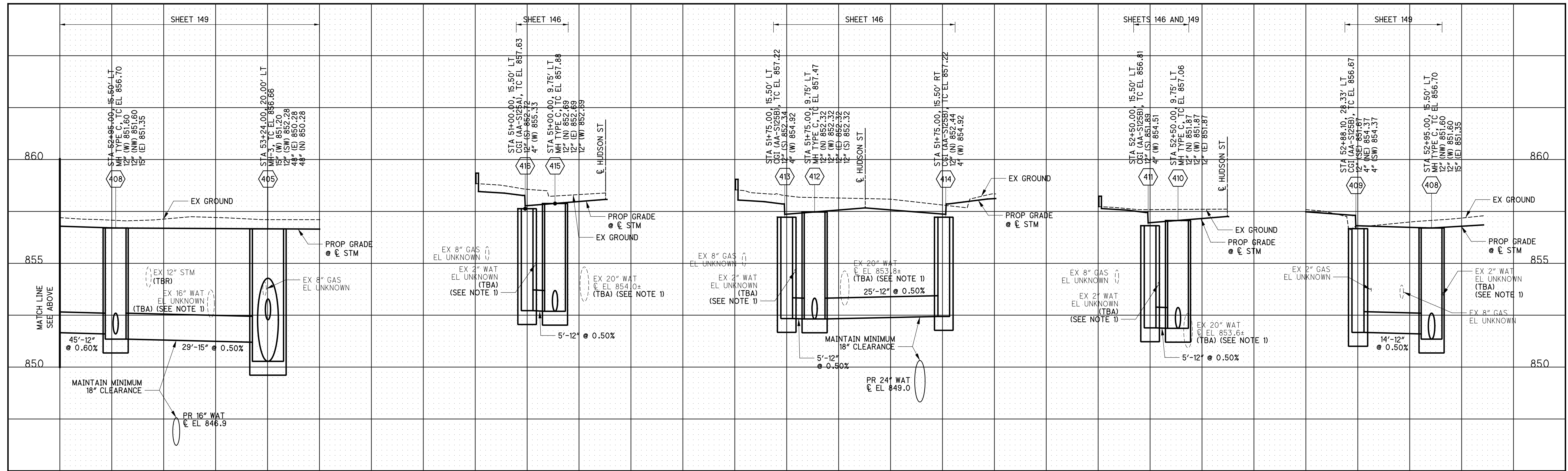
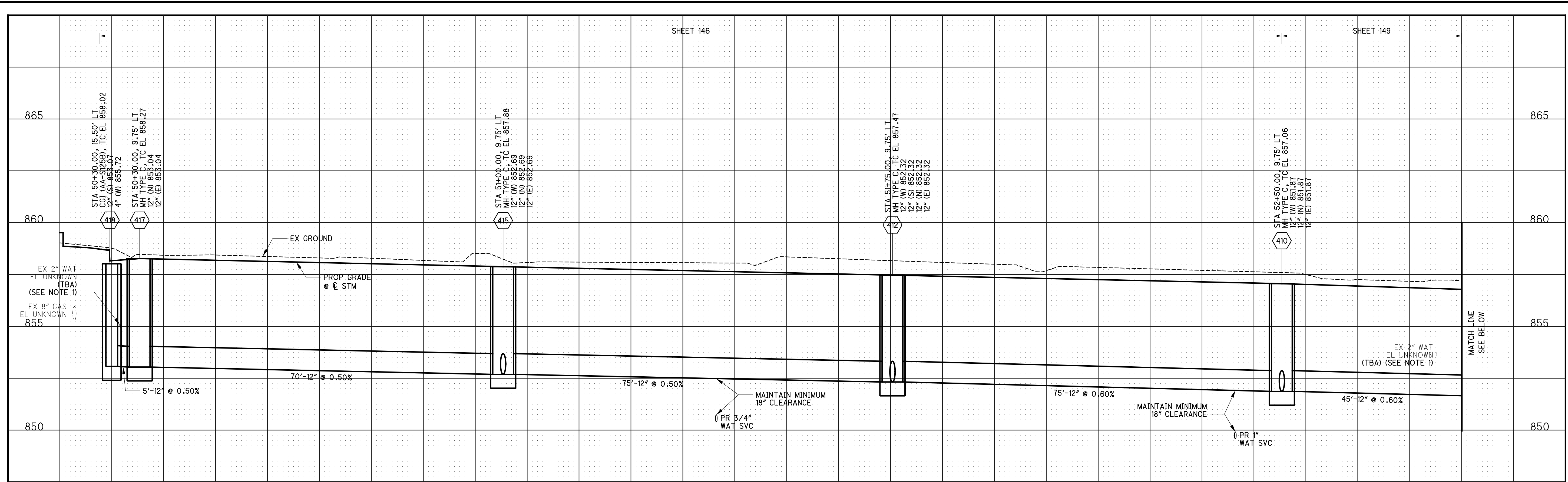
\* CONCRETE ENCASEMENT PER ITEM 910  
\* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

- \* CONCRETE ENCASUREMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

3575-E

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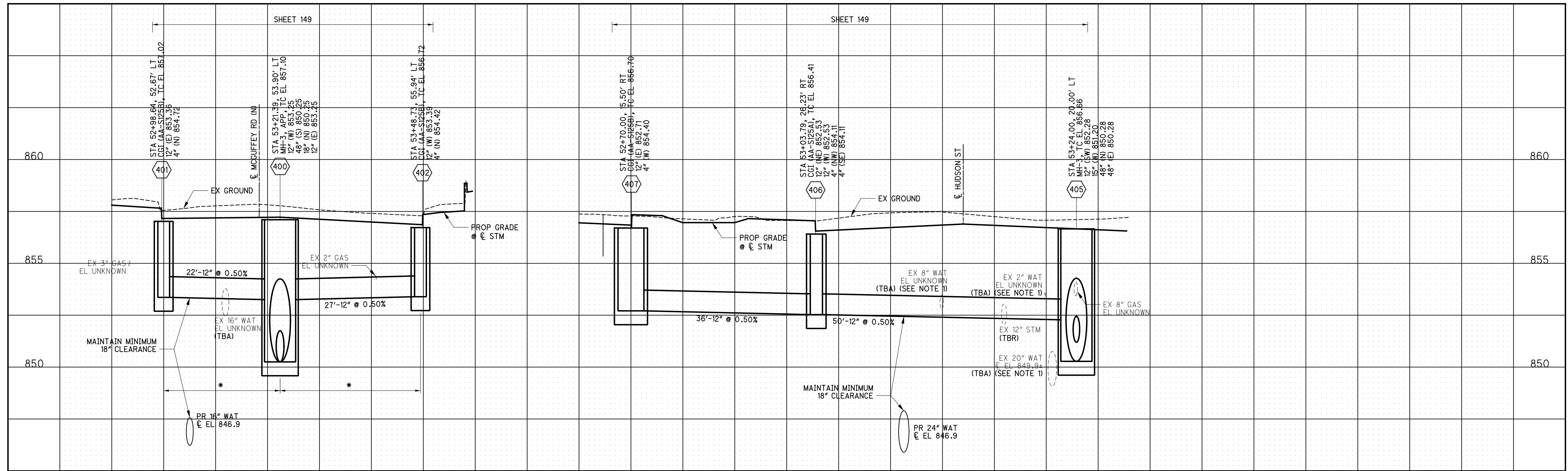
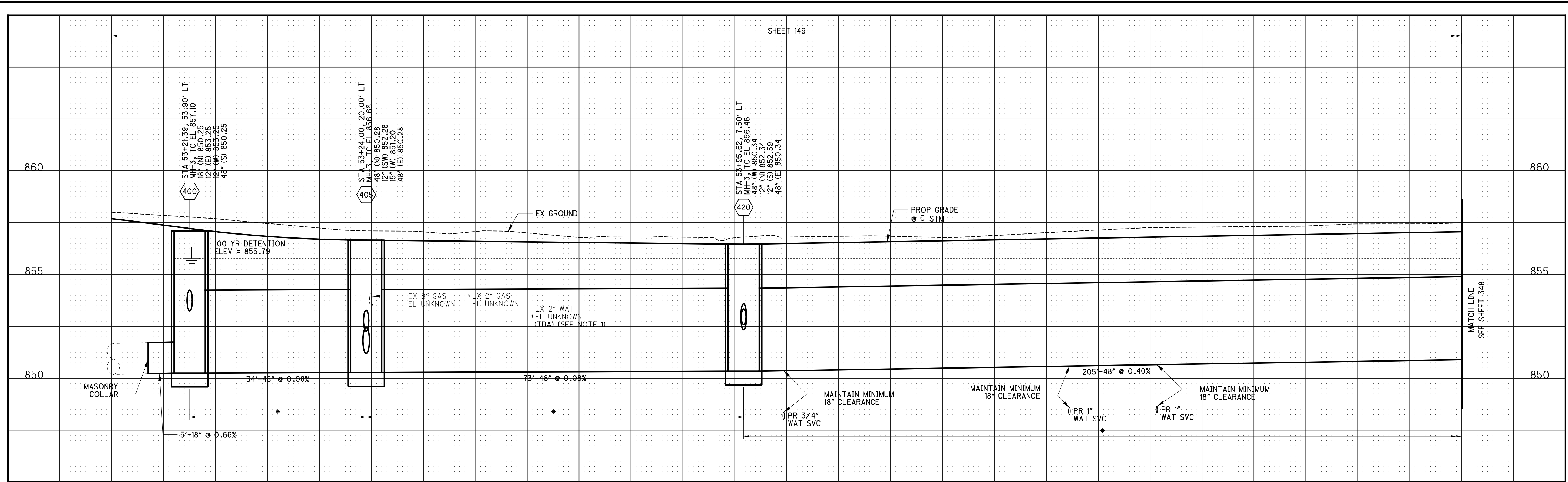
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STORM SEWER PROFILES

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VERT: 1" = 2.5'  
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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

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- \* CONCRETE ENCASEMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

SHEET 149

SHEET 149

SHEET 149

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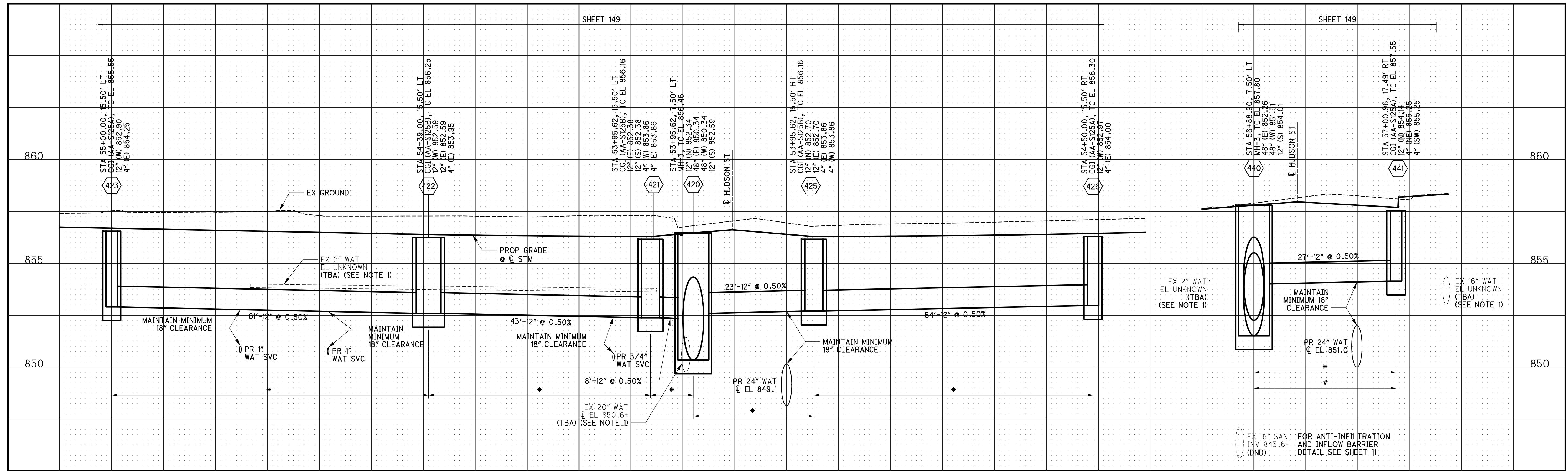
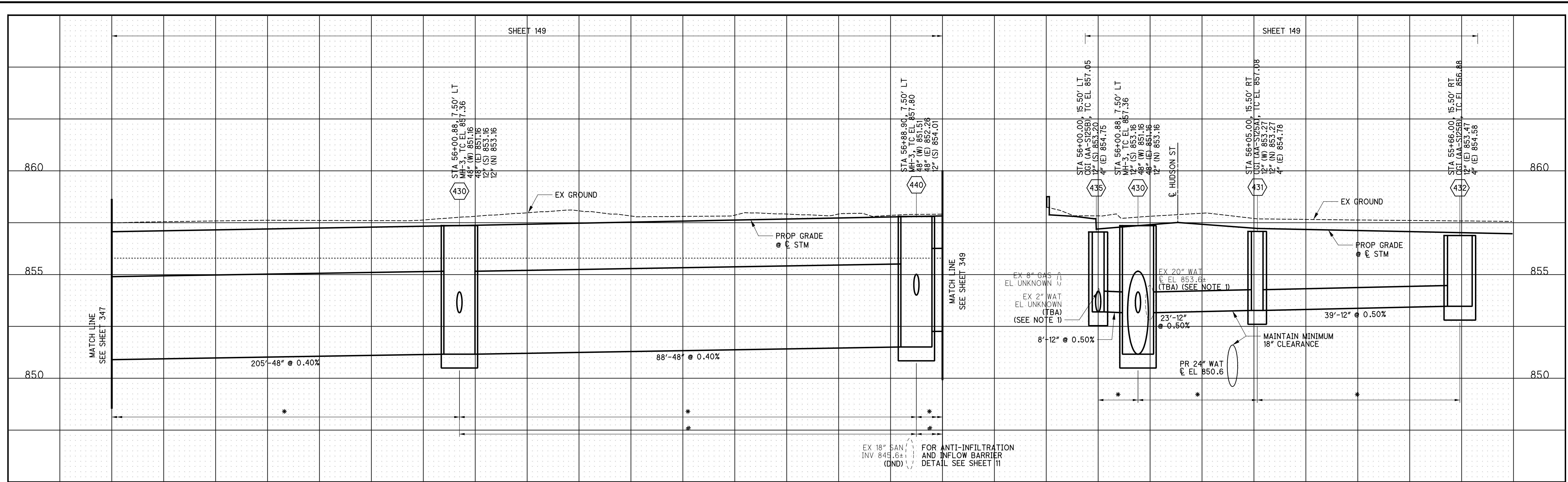
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STORM SEWER PROFILES

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

- \* CONCRETE ENCASMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

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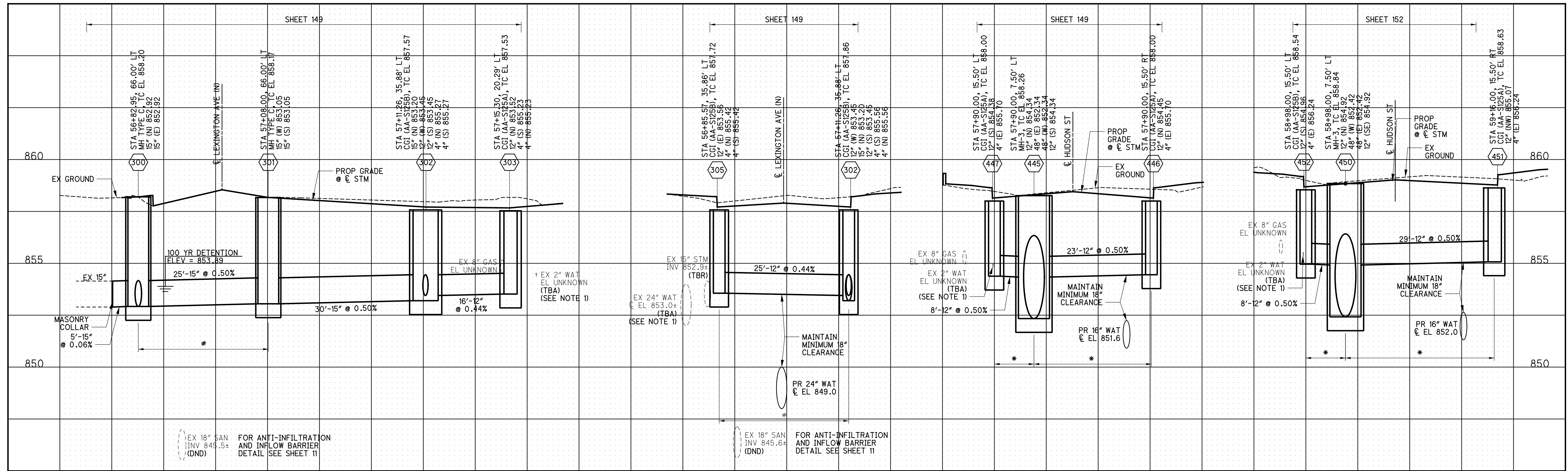
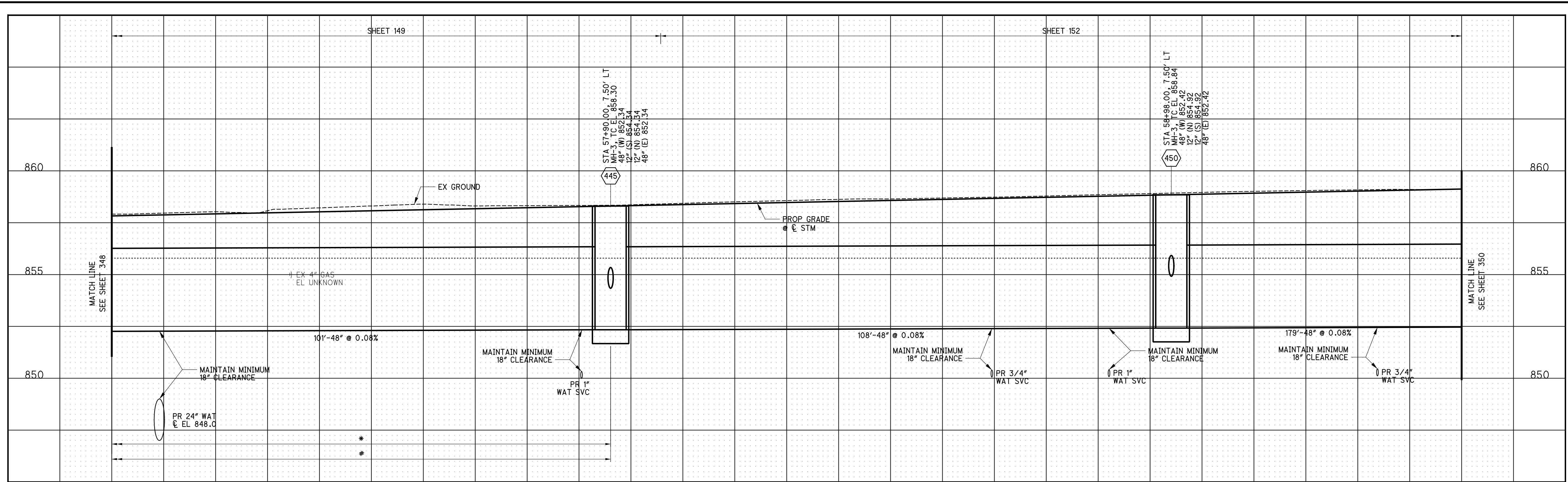
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STORM SEWER PROFILES

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

\* CONCRETE ENCASUREMENT PER ITEM 910  
 \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

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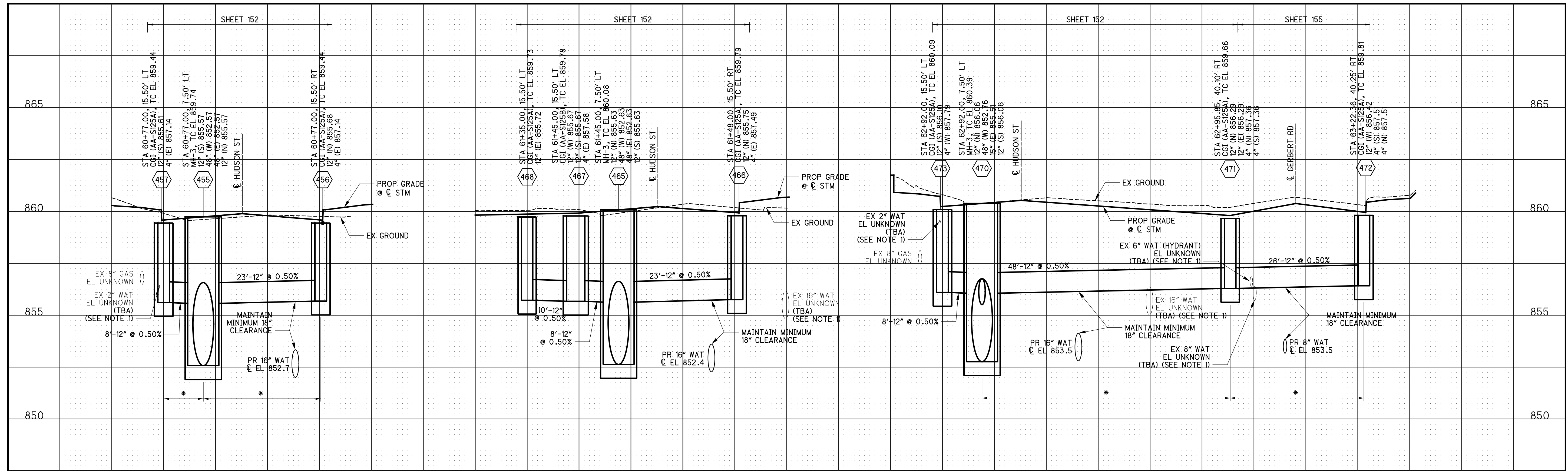
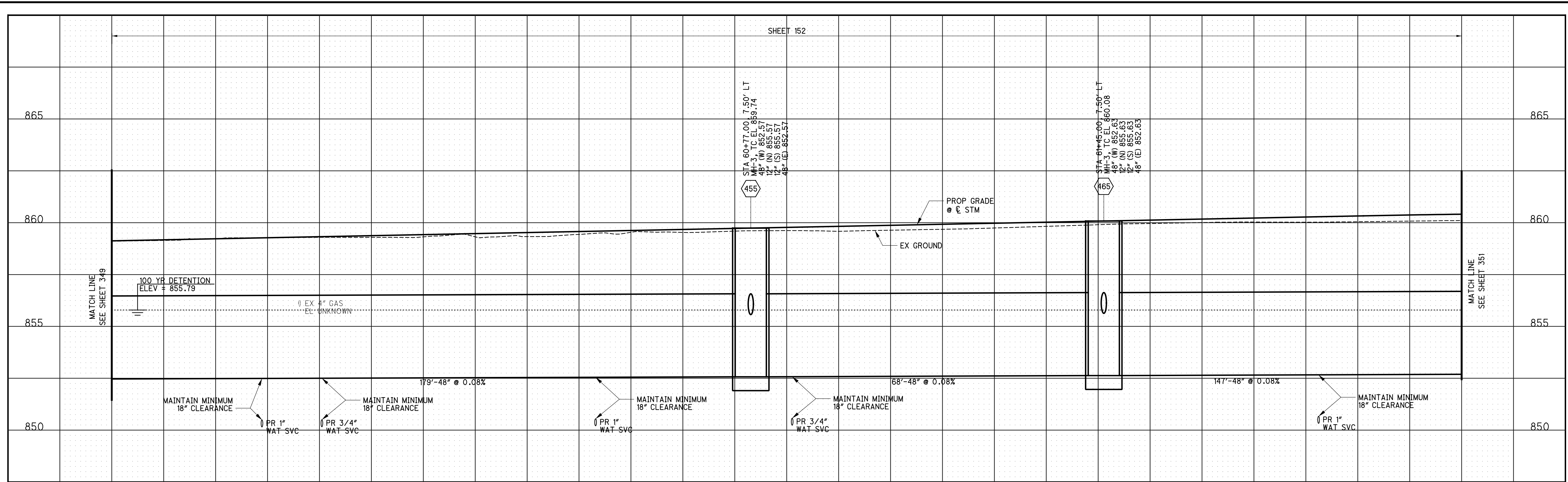
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**STORM SEWER PROFILES**

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

\* CONCRETE ENCASEMENT PER ITEM 910  
 \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

SHEET 152

SHEET 152

SHEET 152

SHEET 155

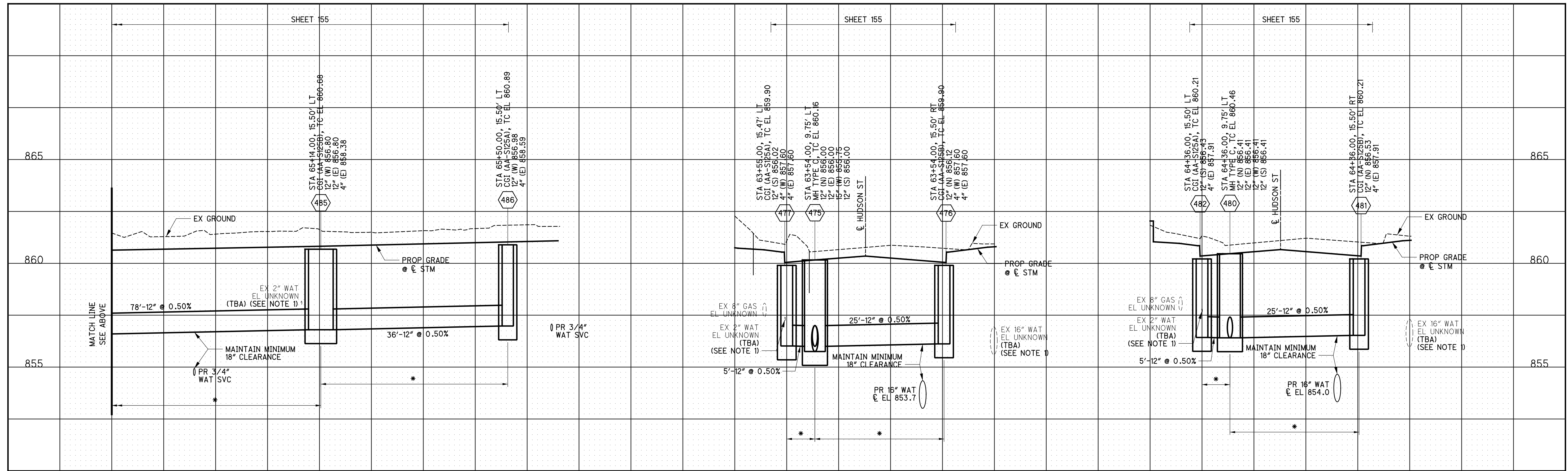
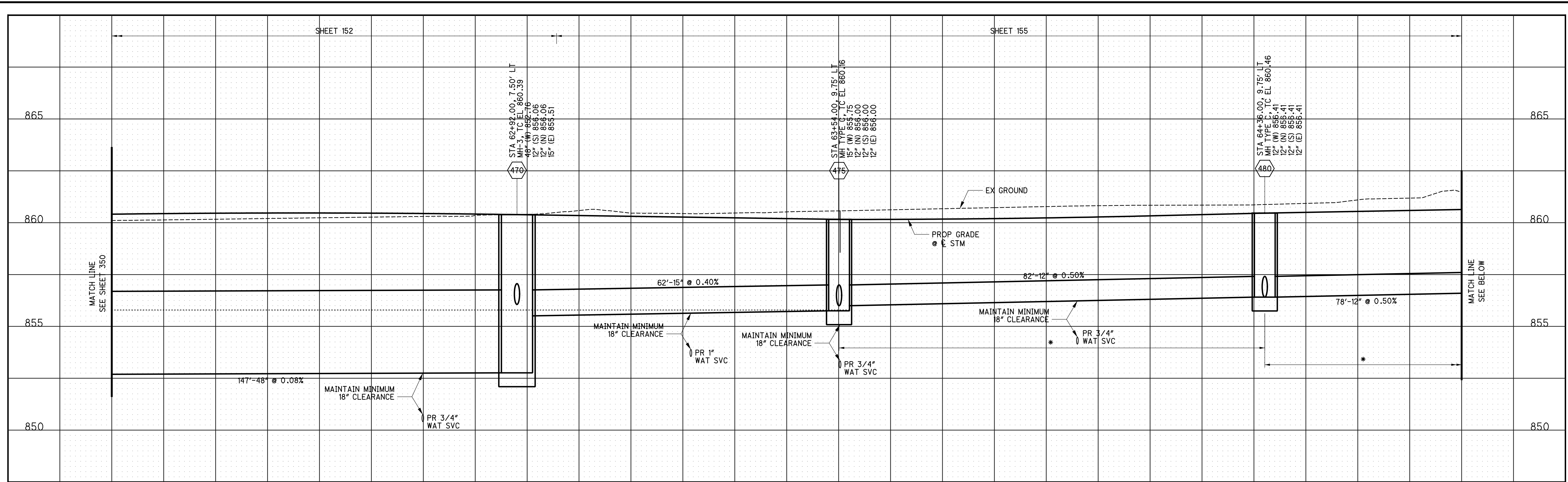
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 STORM SEWER PROFILES

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

\* CONCRETE ENCASMENT PER ITEM 910  
\* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

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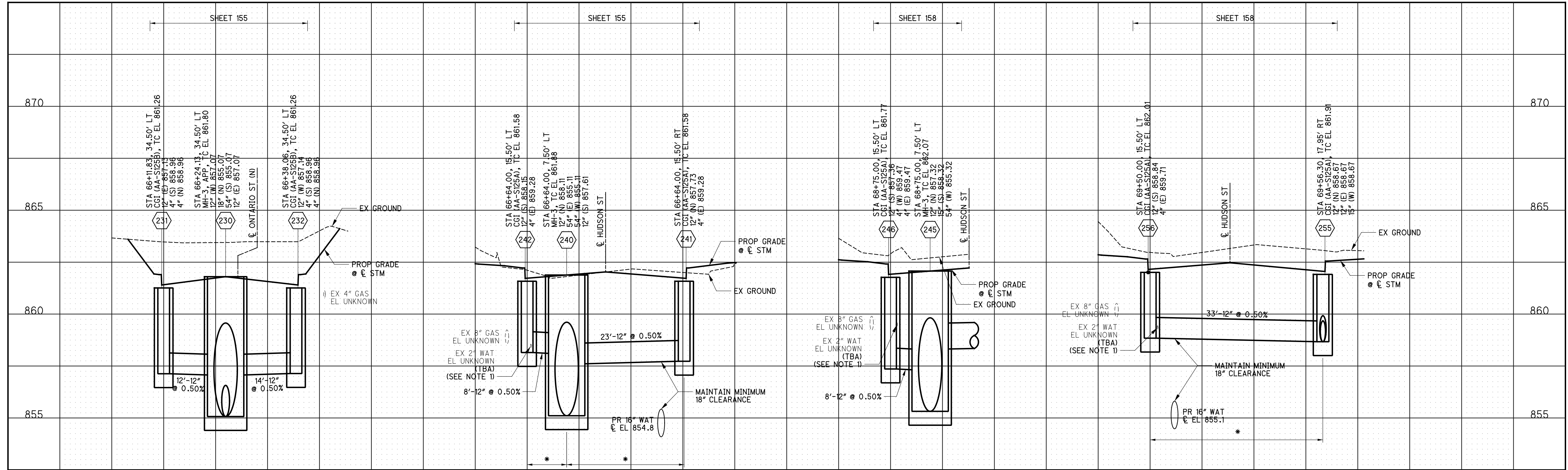
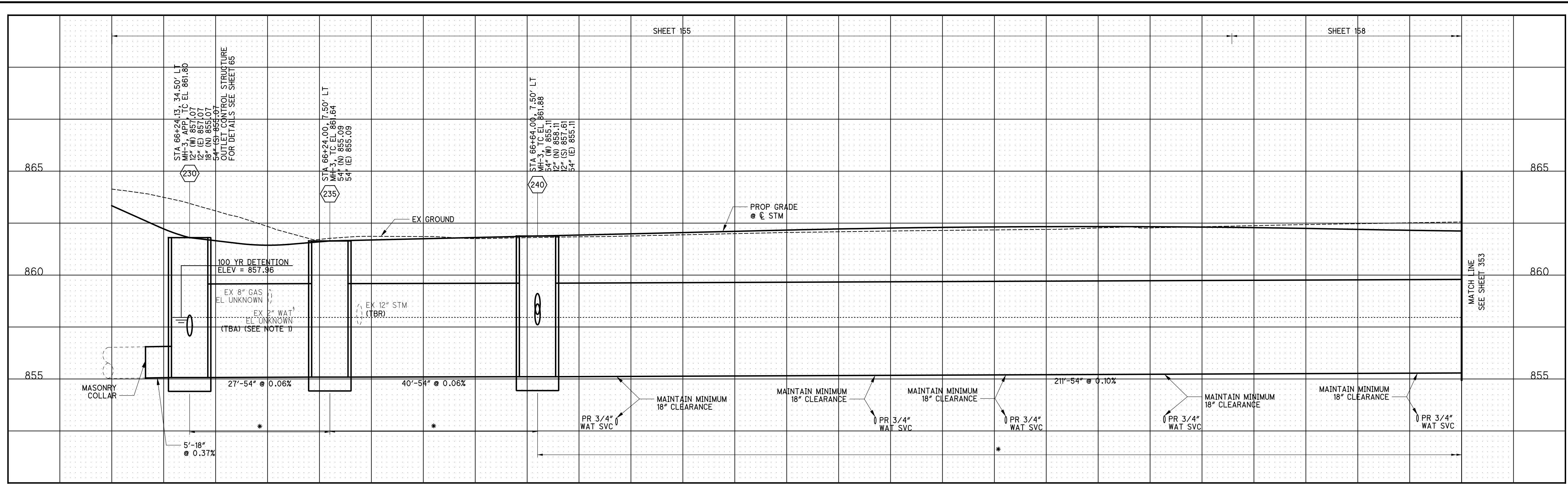
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STORM SEWER PROFILES

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

\* CONCRETE ENCASMENT PER ITEM 910  
\* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRADE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

SHEET 155

SHEET 158

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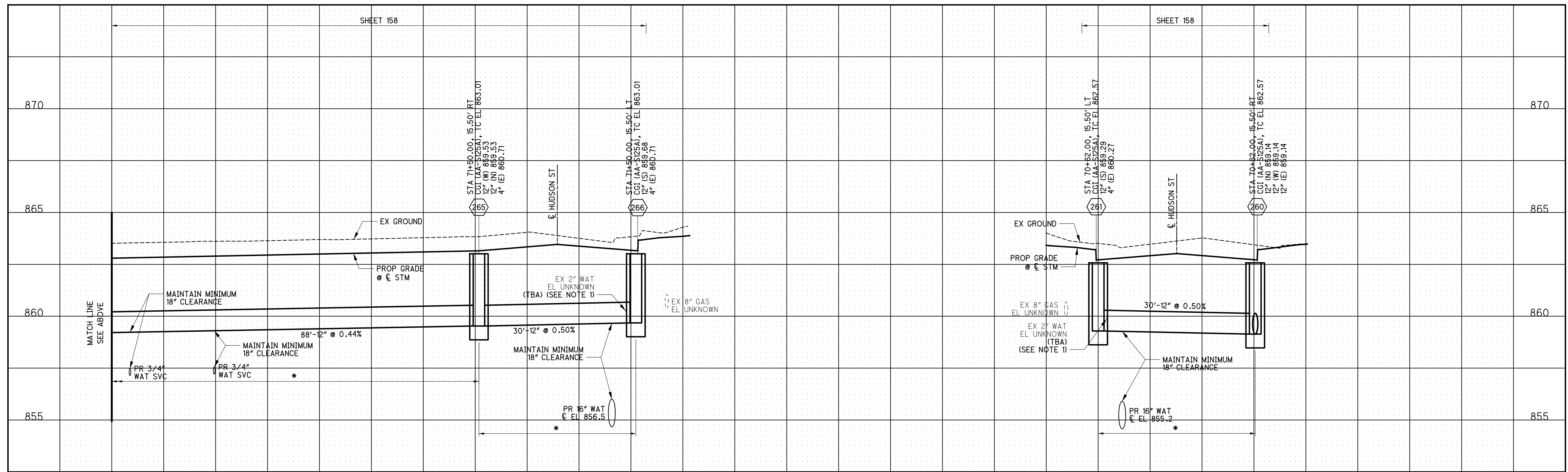
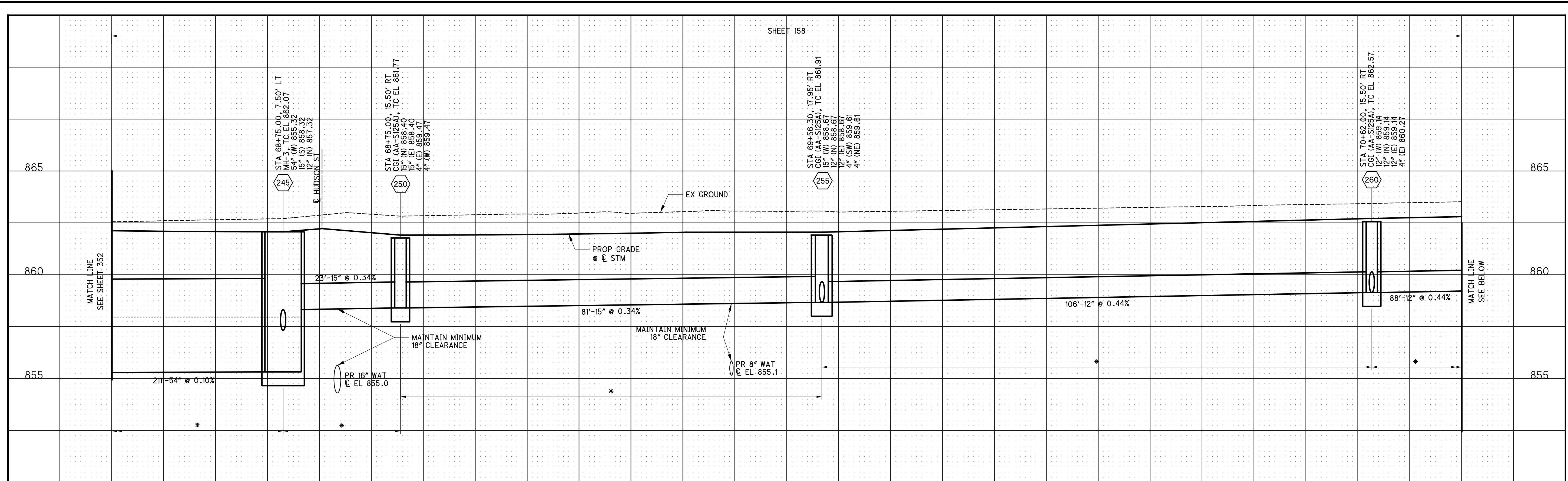
STORM SEWER PROFILES

HUDSON ST

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

- \* CONCRETE ENCASEMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

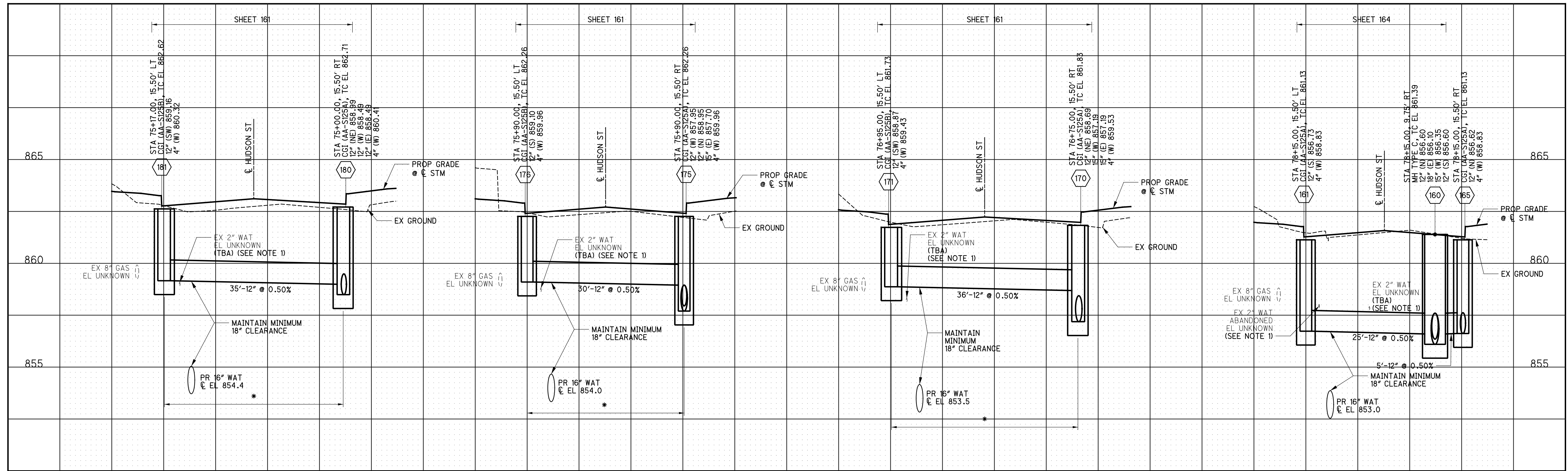
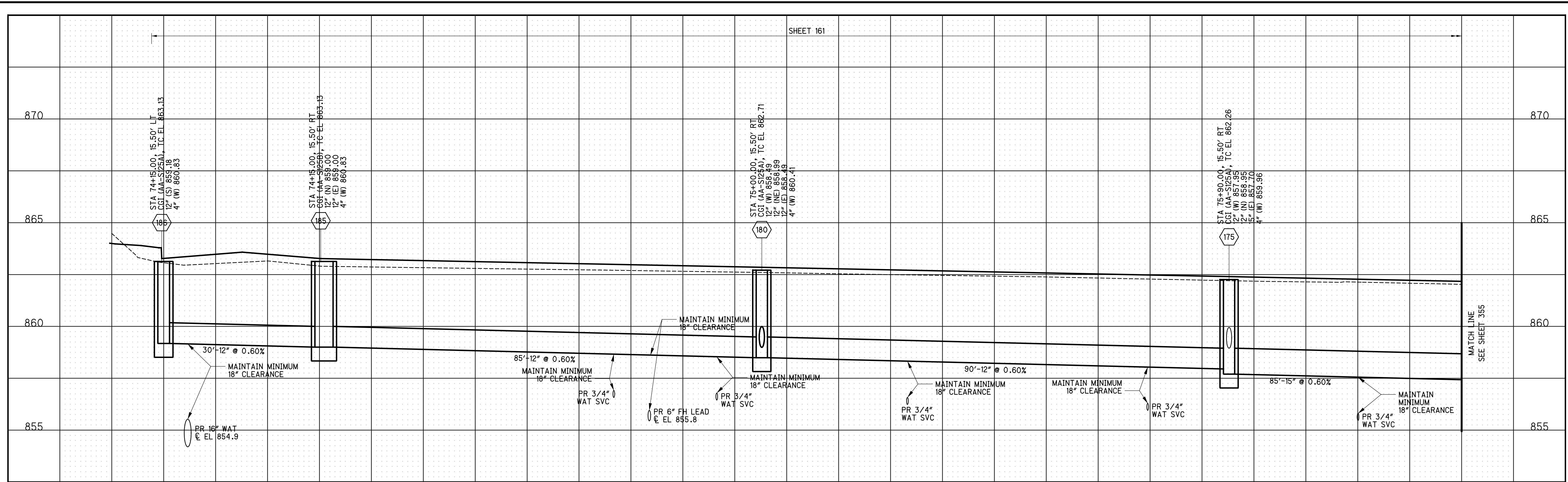
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STORM SEWER PROFILES

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

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- \* CONCRETE ENCASEMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

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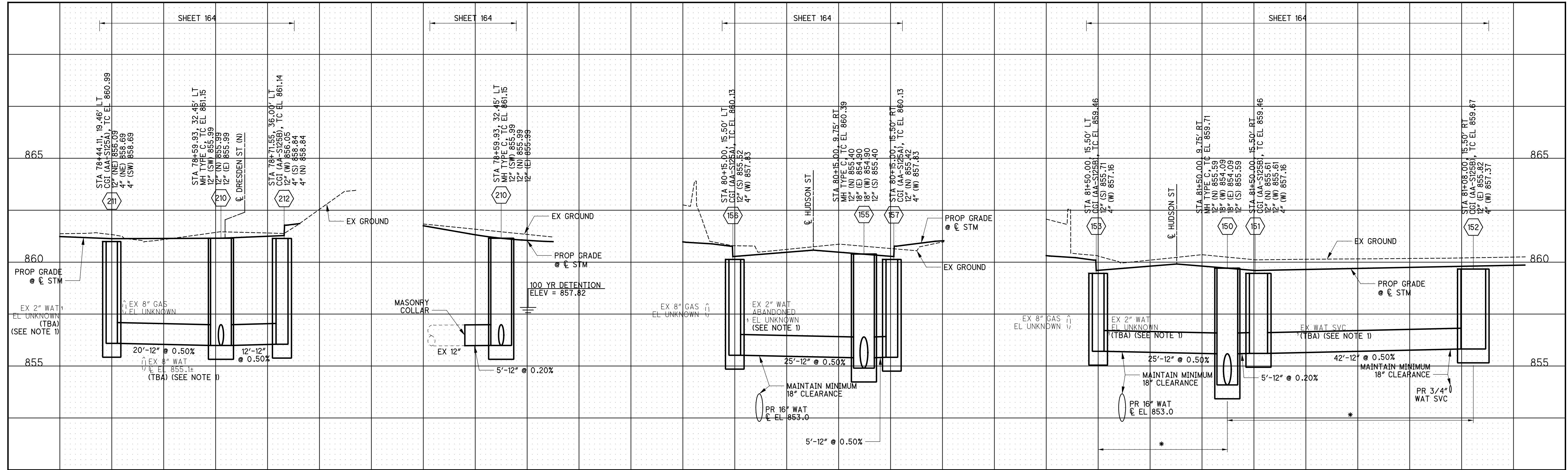
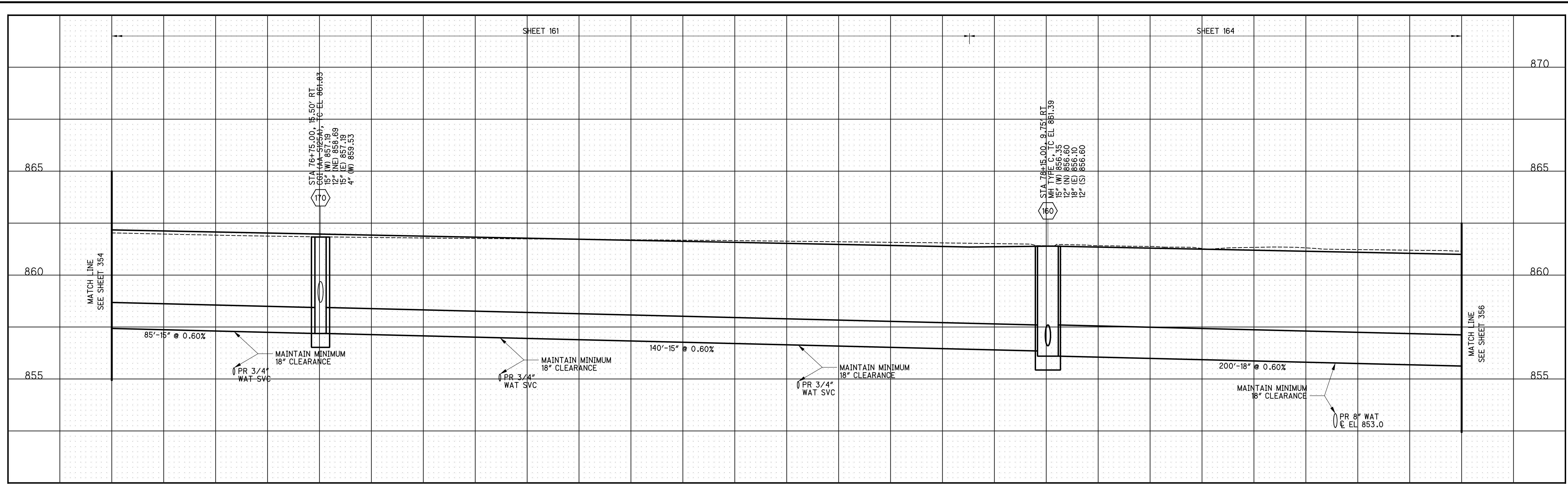
**STORM SEWER PROFILES**

**HUDSON ST**

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

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\* CONCRETE ENCASEMENT PER ITEM 910  
\* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

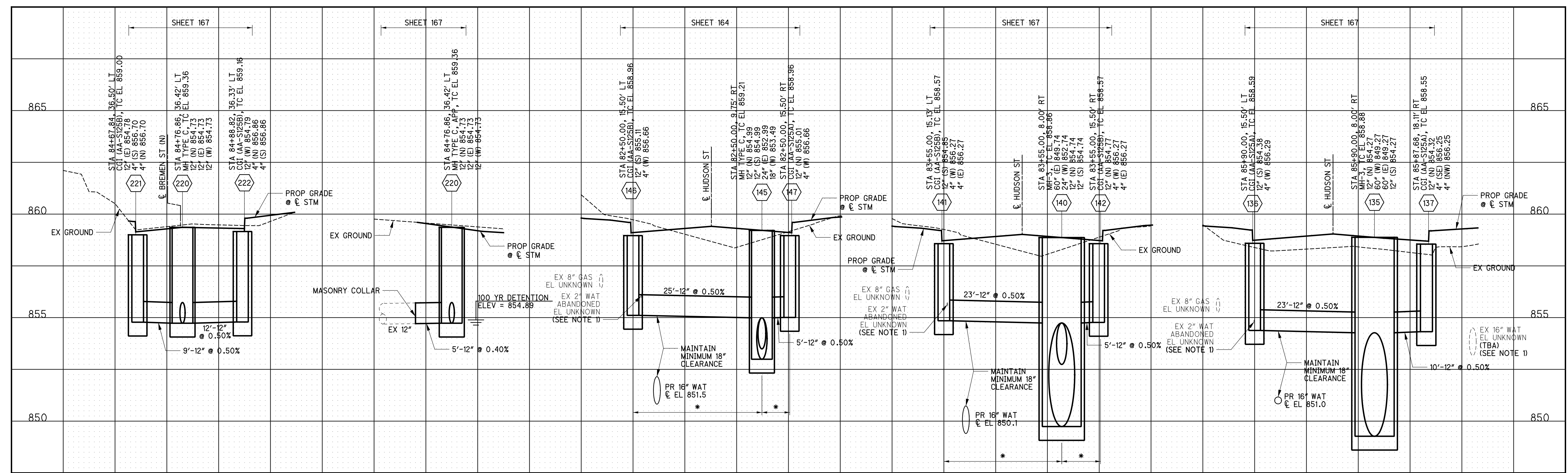
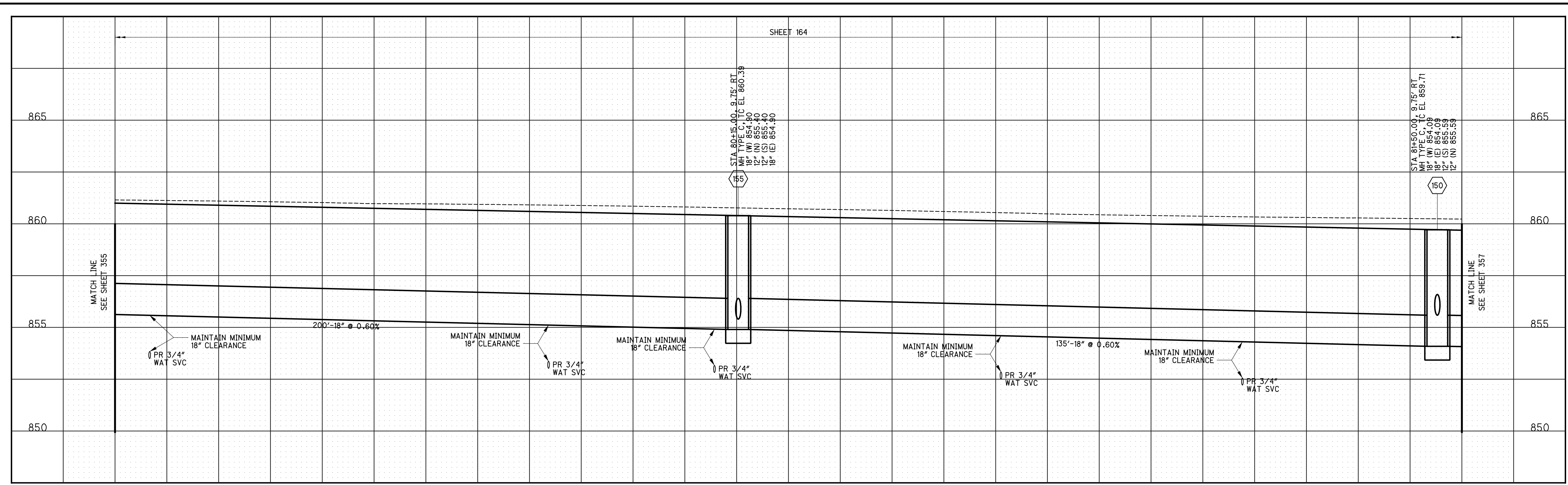
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STORM SEWER PROFILES

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

\* CONCRETE ENCASEMENT PER ITEM 910  
 \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

CALCULATED  
 BER  
 CHECKED  
 MWR

SCALE  
 VERT: 1" = 2.5'  
 HORIZ: 1" = 10'

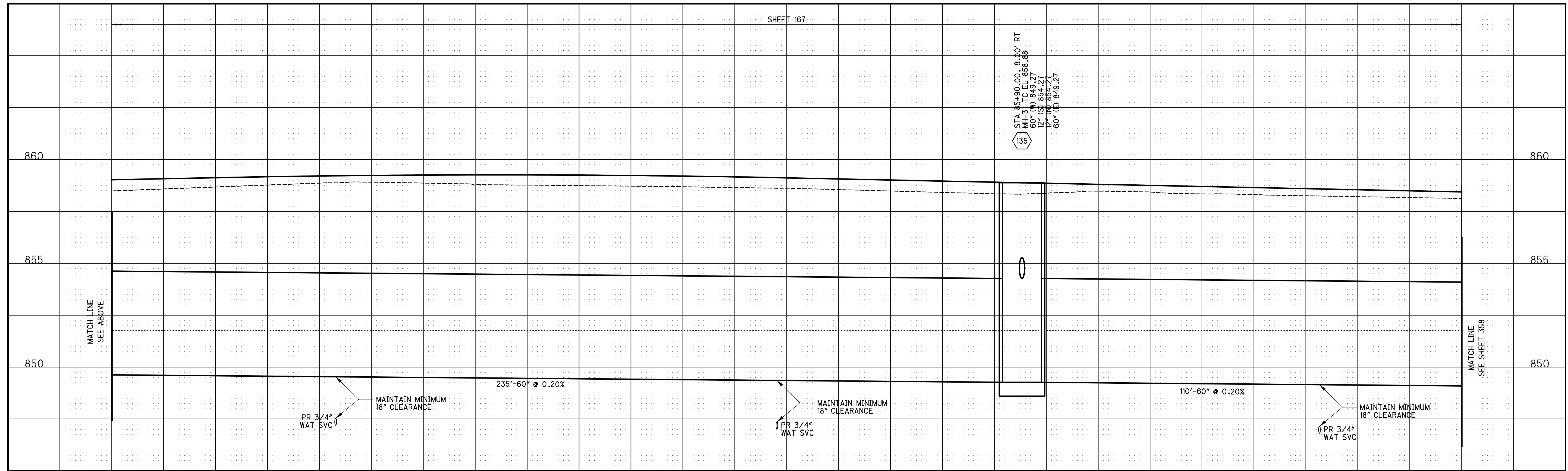
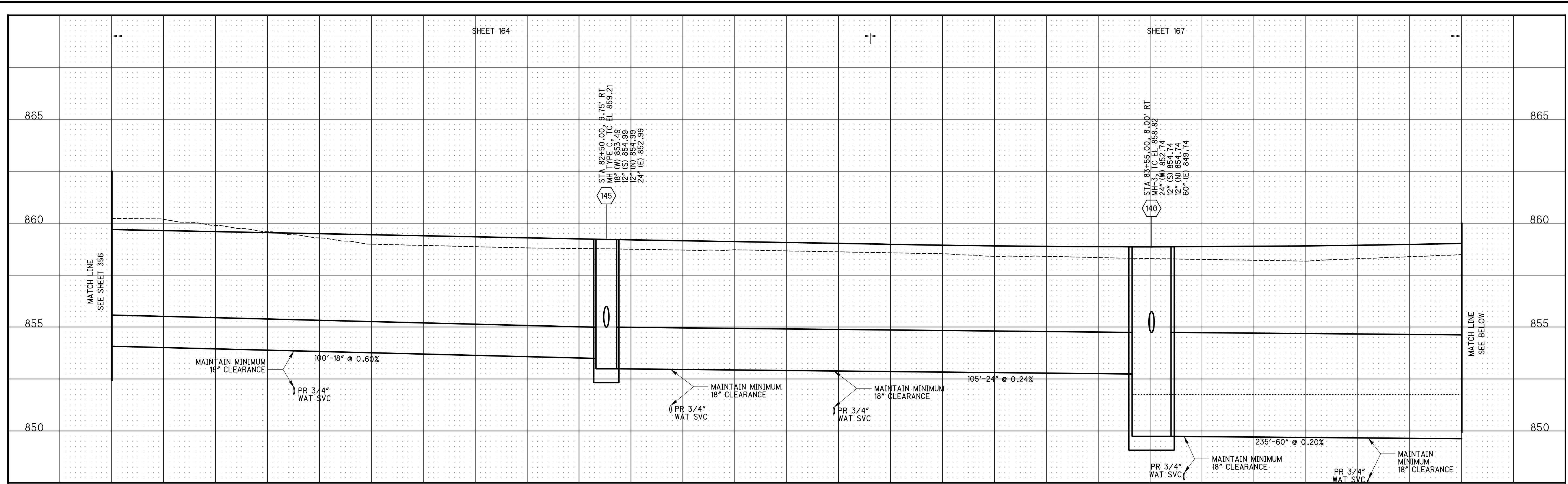
**STORM SEWER PROFILES**

**HUDSON ST**

356  
 355

3575-E

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

- \* CONCRETE ENCASEMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

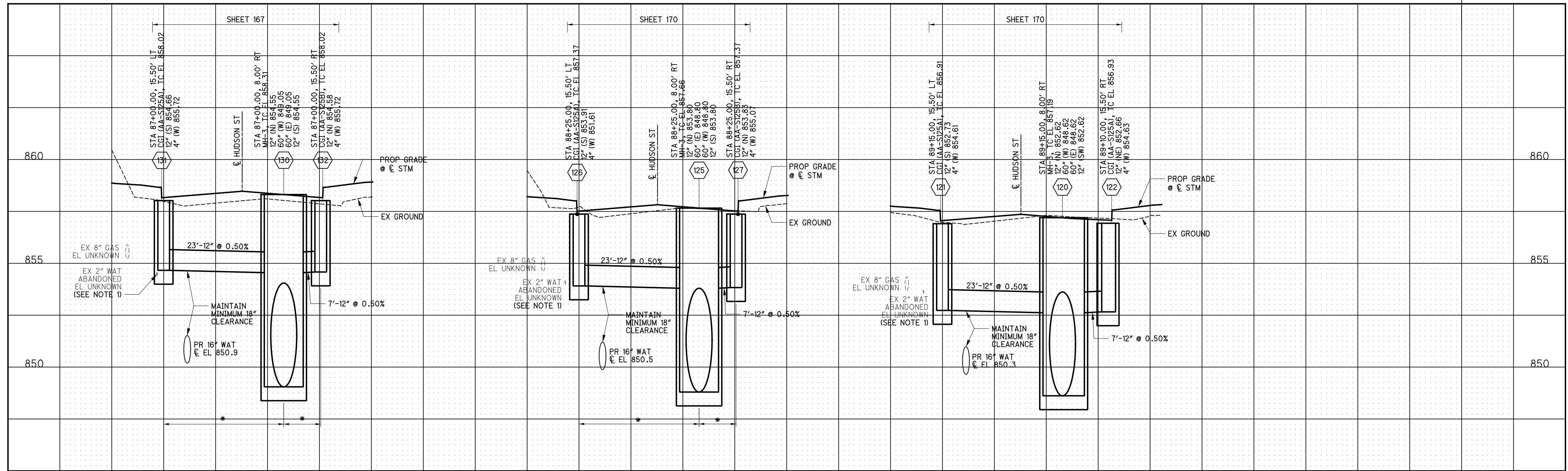
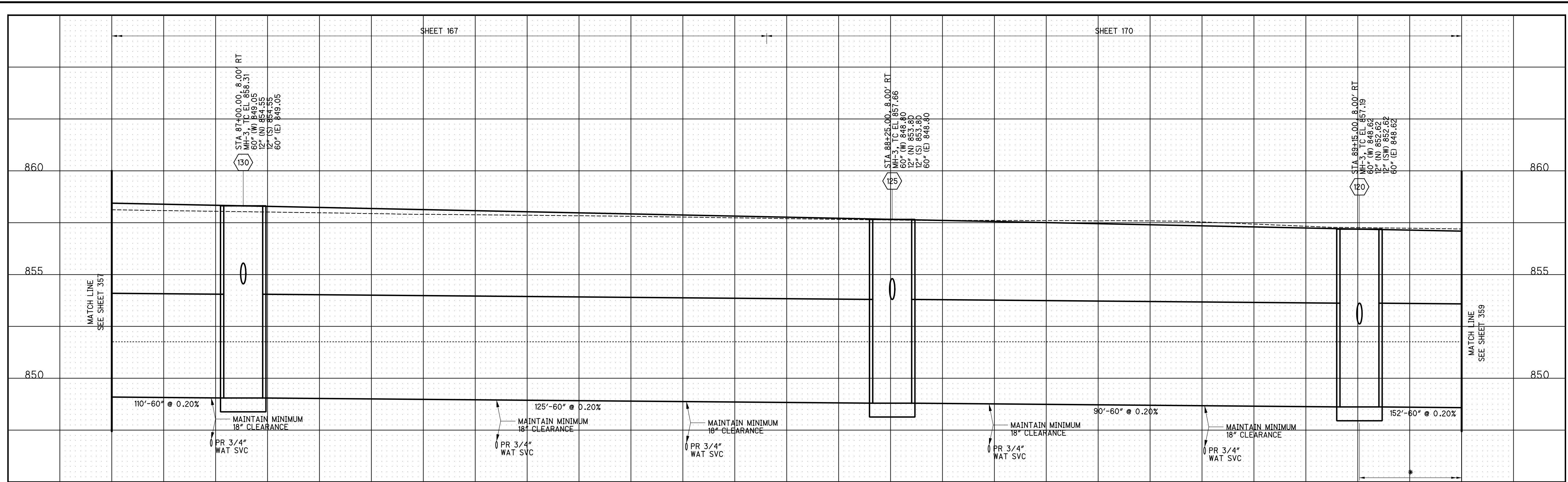
CALCULATED  
BER  
CHECKED  
MWR  
SCALE  
VERT: 1" = 2.5'  
HORIZ: 1" = 10'

STORM SEWER PROFILES

HUDSON ST

3575-E

357  
535



NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

- \* CONCRETE ENCASEMENT PER ITEM 910
- \* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

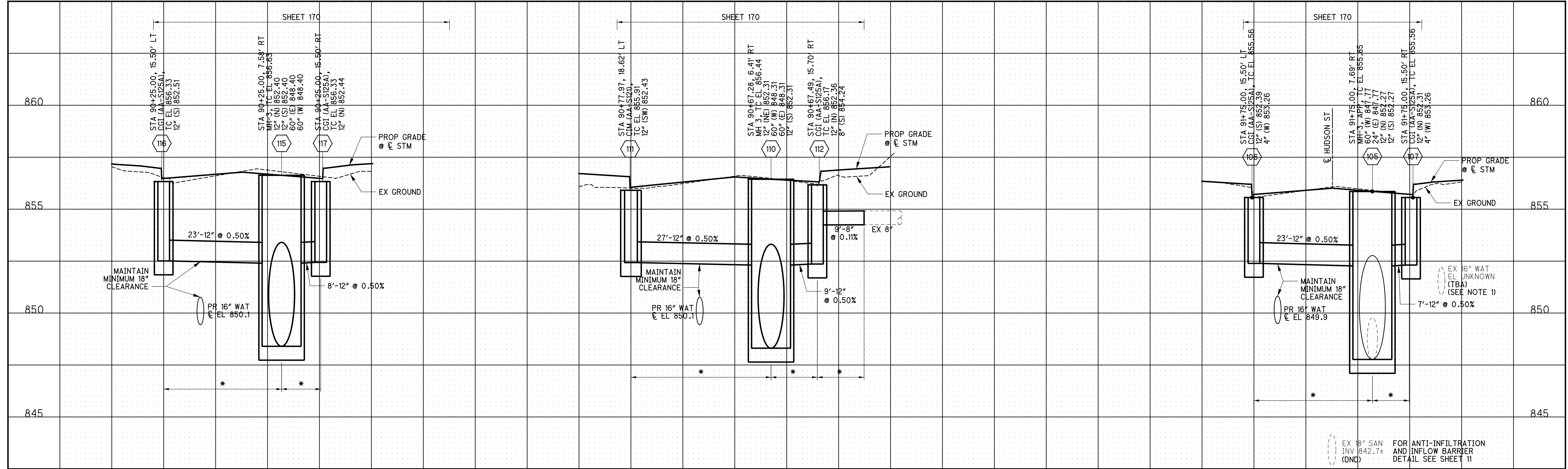
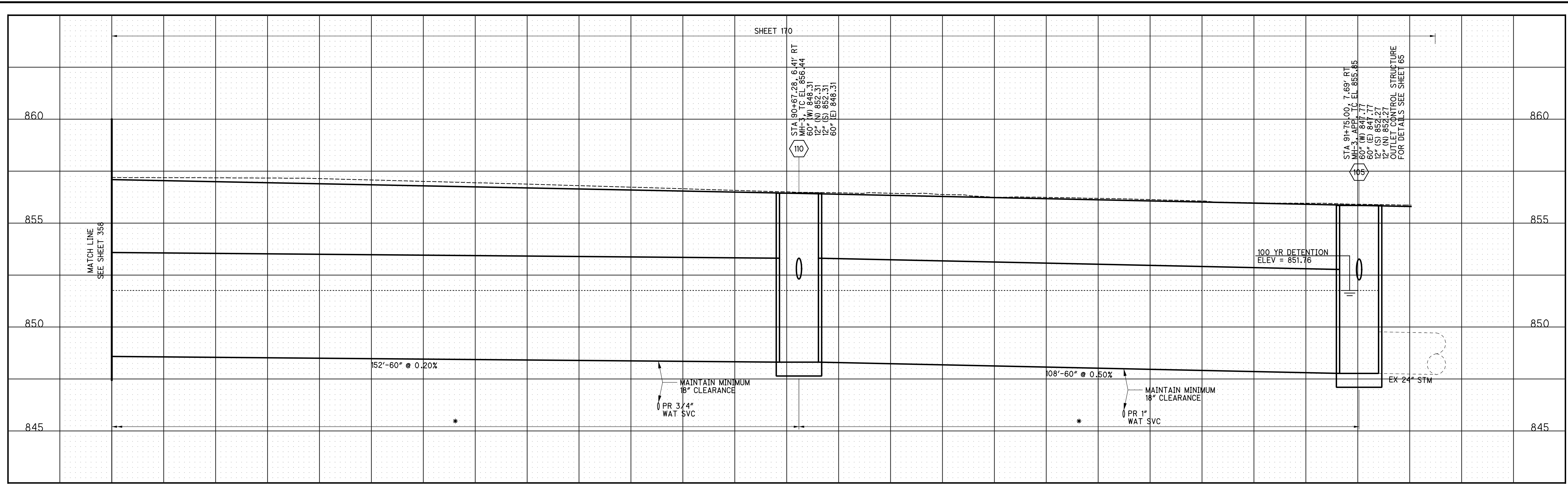
CALCULATED  
BER  
CHECKED  
MWR

SCALE  
VERT: 1" = 2.5'  
HORIZ: 1" = 10'

STORM SEWER PROFILES

HUDSON ST

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NOTE: ALL PROPOSED STORM SEWER TO HAVE COMPACTED GRANULAR BACKFILL PER ITEM 912

\* CONCRETE ENCASEMENT PER ITEM 910  
\* WATERTIGHT JOINTS PER 901.15 AND PLACE TRENCH DAMS PER 901.11

CURB AND GUTTER INLET "TC" ELEVATION AND LOCATION OF STATION AND OFFSET = CENTER OF GRATE AT THE FACE OF CURB

FOR ALL AS PER PLAN STRUCTURES, SEE SHEET 65

NOTE 1: WATER MAIN SHALL BE ABANDONED. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER MAIN ABANDONMENT. REMOVE WATER MAIN WHERE IN CONFLICT WITH PROPOSED STORM SEWER. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE STORM SEWER. NO SEPARATE PAYMENT SHALL BE MADE.

EX 8" SAN INV 842.7± (DND) FOR ANTI-INFILTRATION AND INFLOW BARRIER DETAIL SEE SHEET 11

CALCULATED  
BER  
CHECKED  
MWR

SCALE  
VERT: 1" = 2.5'  
HORIZ: 1" = 10'

**STORM SEWER PROFILES**

**HUDSON ST**











LINE TYPES	
—C— — — — —	CENTERLINE OF ROAD
—P/L— — — — —	EX. PROPERTY LINE
—R/W— — — — —	EX. RIGHT-OF-WAY
— — — — — G — — — — —	EX. GAS
— — — — — SAN — — — — —	EX. SANITARY
— — — — — STM — — — — —	EX. STORM
— — — — — W — — — — —	EX. WATER
— — — — — UGE — — — — —	EX. UNDERGROUND ELECTRIC
— — — — — ELE-OH — — — — —	EX. ELECTRIC-OVERHEAD
— — — — — UGL — — — — —	EX. UNDERGROUND LIGHTING POWER
— — — — — LT-OH — — — — —	EX. LIGHTING POWER-OVERHEAD
— — — — — ELE/TEL-OH — — — — —	EX. ELEC./TEL-OVERHEAD
— — — — — TELE — — — — —	EX. TELEPHONE
— — — — — TEL-OH — — — — —	EX. TELEPHONE-OVERHEAD
— — — — — COM — — — — —	EX UNDERGROUND COMMUNICATION
— — — — — COM-OH — — — — —	EX. COMMUNICATION-OVERHEAD
— — — — — COM/TEL-OH — — — — —	EX. COMM/TEL-OVERHEAD
— — — — — TR — — — — —	EX. TRAFFIC CONTROL
— — — — — C — — — — —	EX. CURB
— — — — — C & G — — — — —	EX. CURB & GUTTER
— — — — — F — — — — —	EX. FENCE
— — — — — S — — — — —	EX. SIDEWALK
— — — — — W — — — — —	PROPOSED WATER MAIN
— — — — — WS — — — — —	PROPOSED WATER SERVICE

RESTRAINED JOINT LENGTH TABLE			
SIZE (IN)	FITTING	DIP & STEEL MIN. RESTRAINED LENGTH (FT) (EACH LEG)	PCCP MIN. RESTRAINED LENGTH (FT) (EACH LEG)
24	11.25' HORIZ. BEND	8	5
24	22.5' HORIZ. BEND	32	18
24	45' HORIZ. BEND	125	71
24	11.25' VERT. BEND (UP)	8	5
24	11.25' VERT. BEND (DOWN)	29	17
24	22.5' VERT. BEND (UP)	32	18
24	22.5' VERT. BEND (DOWN)	59	34
24	45' VERT. BEND (UP)	125	71
24	45' VERT. BEND (DOWN)	124	70
24x16	REDUCER	222	159

- ASSUMPTIONS**
- PIPE TO BE WRAPPED IN POLYETHYLENE
  - SAFETY FACTOR OF 1.5 INCLUDED IN RESTRAINED LENGTHS SHOWN
  - 250 PSI DESIGN PRESSURE
  - SOIL UNIT WEIGHT OF 120 LBS/CU-FT
  - 6 FEET MINIMUM COVER

SCALE IN FEET  
0 20 40

CALCULATED  
MAC  
CHECKED  
LAM

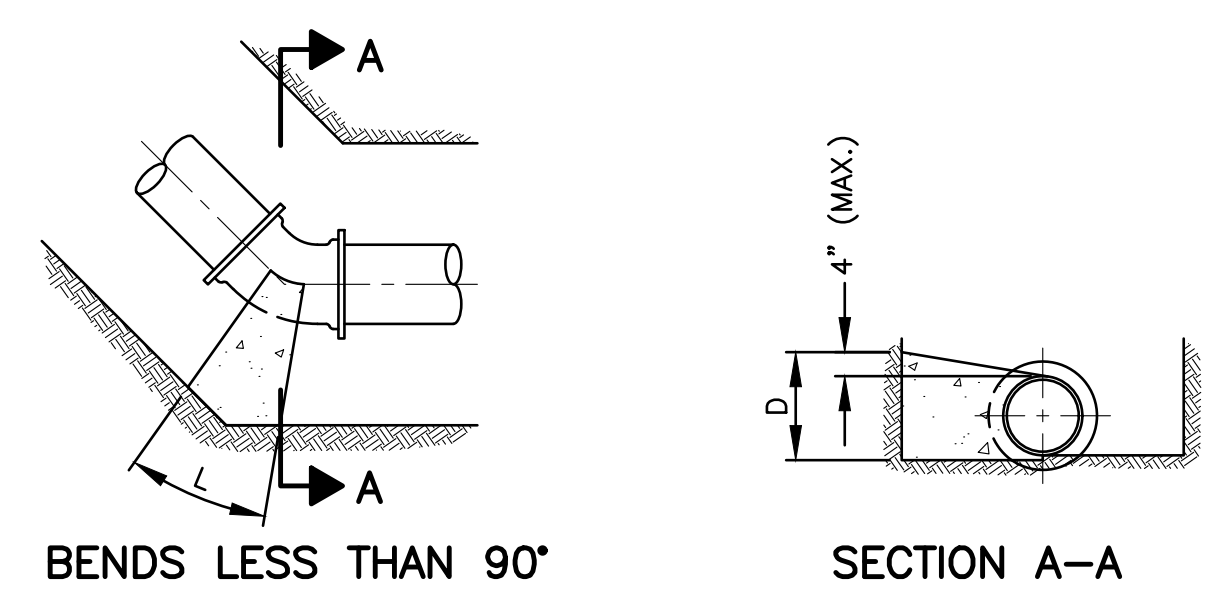
SYMBOLS	
⊕	BENCH MARK
△	SURVEY MARKER
○	EX. CONCRETE MONUMENT
○	IRON PIN FOUND
⊙	NAIL FOUND
—	EX. SIGN
⊙	EX. STREET LIGHT
⊙	EX. ELEC. METER
⊙	EX. ELEC. MANHOLE
⊙	EX. ELEC. POLE
⊙	EX. ELEC. & LIGHT POLE
⊙	EX. ELEC. & TELE. POLE
⊙	EX. ELEC., TELE. & LIGHT POLE
⊙	EX. TELE. & LIGHT POLE
⊙	EX. TRAFFIC POLE
⊙	EX. GAS METER
⊙	EX. GAS VALVE
⊙	EX. SANITARY MANHOLE
⊙	EX. STORM MANHOLE
⊙	EX. STORM CATCH BASIN
⊙	EX. CURB & GUTTER INLET
⊙	EX. FIRE HYDRANT
⊙	EX. PRESSURE REDUCING VALVE
⊙	EX. WATER VALVE
⊙	EX. WATER TAP
⊙	EX. WATER TAP, NOT FOUND
⊙	EX. CONIFER (PINE) TREE
⊙	EX. DECIDUOUS TREE
⊙	EX. SHRUB
⊙	EX. TREE STUMP
⊙	TREE TO BE REMOVED
⊙	EX. PULL BOX
⊙	PR. FIRE HYDRANT
⊙	PR. WATER MAIN VALVE
⊙	PR. WATER SERVICE VALVE
⊙	PROJECT IDENTIFICATION SIGN

ABBREVIATIONS	
(ATG)	ADJUST TO GRADE
C	COPPER
CI	CAST IRON
CTV	CABLE TELEVISION
DI	DUCTILE IRON
(DND)	DO NOT DISTURB
E/P	EDGE OF PAVEMENT
EX	EXISTING
FH	FIRE HYDRANT
G	GALVANIZED
GAS	GAS MAIN
GV	GAS SERVICE VALVE
(L)	LONG SERVICE TRANSFER
LE	LEAD
LT	LEFT TURN
OH	OVERHEAD COMMUNICATIONS
OHCT	OVERHEAD COMM/TEL
OH-PRIM	OVERHEAD PRIMARY ELECTRIC
OH-S/L	OVERHEAD SITE LIGHTING
P	PLASTIC
PVMT	PAVEMENT
(R&R)	REMOVE AND REPLACE
(RTG)	ROTATE TO GRADE
RT	RIGHT TURN
(RTT)	RESTRAIN TO TEE
(S)	SHORT SERVICE TRANSFER
SAN	SANITARY SEWER
STM	STORM SEWER
(TBA)	TO BE ABANDONED
(TBL)	TO BE LOWERED
(TBR)	TO BE REMOVED
(TBRL)	TO BE RELOCATED
UG-PRIM	UNDERGROUND PRIMARY ELECTRIC
UG-S/L	UNDERGROUND SITE LIGHTING
UGT	UNDERGROUND TELEPHONE
WM	WATER MAIN
WT	WATER TAP
WTNF	WATER TAP NOT FOUND

PATTERNS	
[Pattern]	ITEM 259 PER STD DWG 1441, TYPE 1
[Pattern]	PAVEMENT PLANING AND RESURFACING PER STD DWG 1441, TYPE 1

45° BEND			
SIZE OF PIPE	L	D	VOLUME CU-FT
20"	104"	49"	71
24"	139"	52"	101

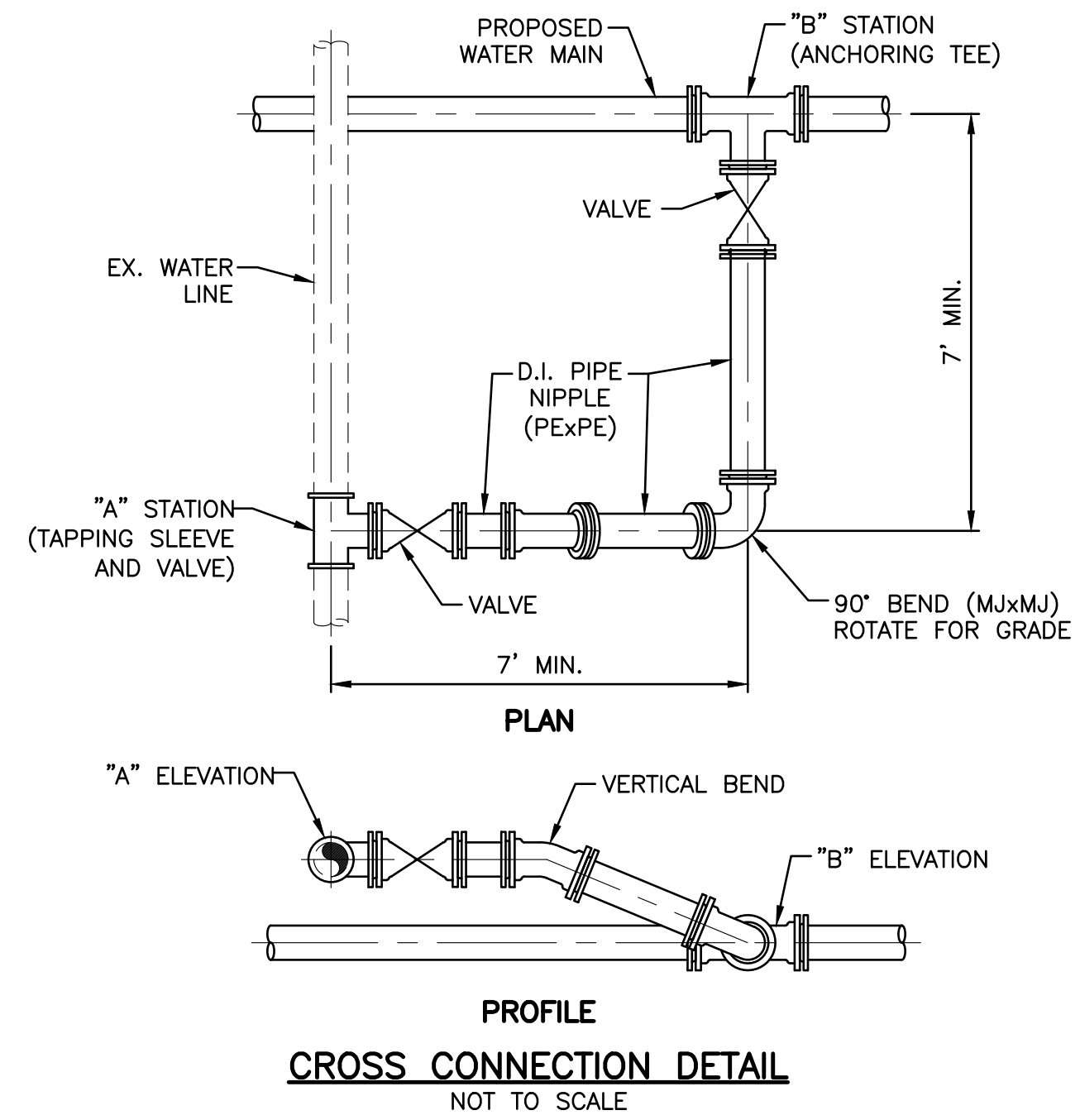
- NOTES**
1. BACKER DESIGNED FOR 3000 PSF SOIL BEARING.
  2. CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH.



**BACKING FOR LARGE DIAMETER HORIZONTAL BENDS**  
NOT TO SCALE

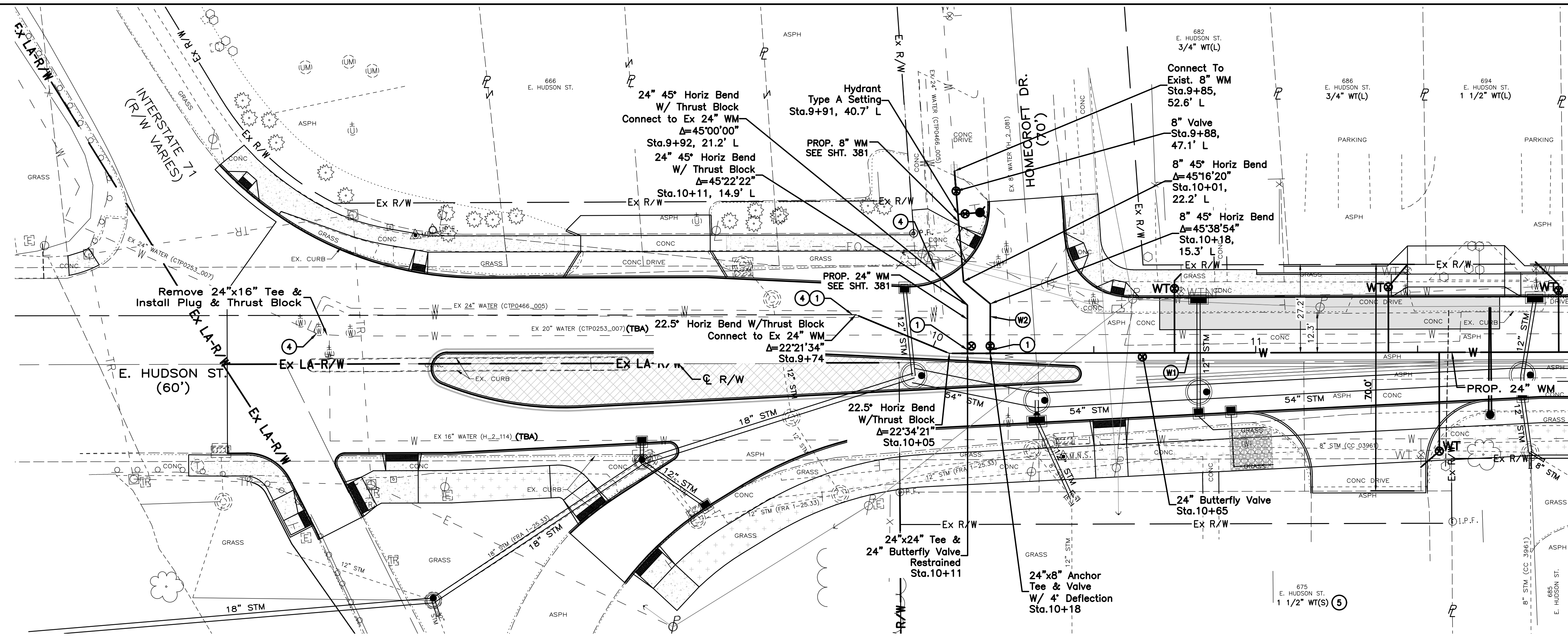
LOCATION	"A" STATION	"A" FITTING	"B" STATION	"B" FITTING	"B" ELEV.
XXX	XX+XX.XX S.L. XX.XX' RT	6"x6" TAPPING SLEEVE & VALVE	XX+XX.XX S.L. XX.XX' RT	8"x6" ANCHORING TEE	XXX.XX ☉
XXXXX & XXXXX	XX+XX.XX S.L. XX.XX' LT	X"X" TAPPING SLEEVE & VALVE	XX+XX.XX S.L. XX.XX' LT	X"X" ANCHORING TEE	XXX.XX ☉

**DETAIL STATIONS**  
STA. X+XX W.L. XXXXX ST.



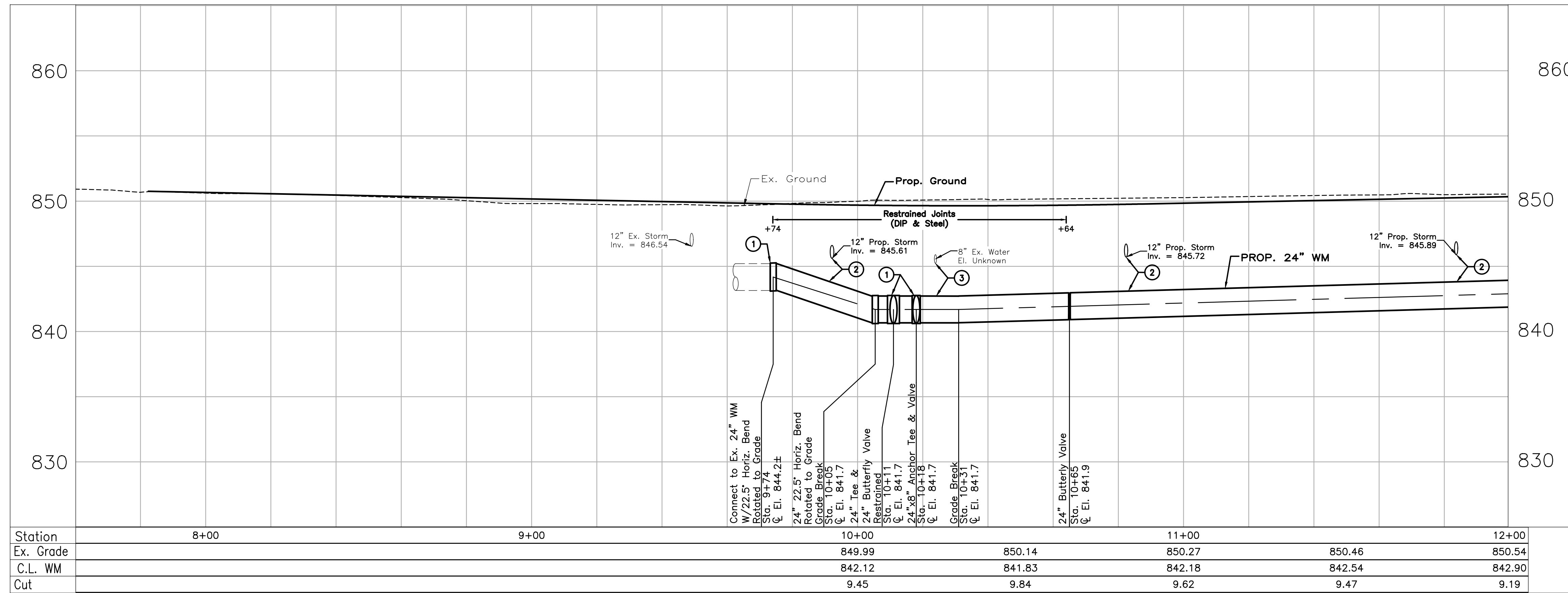
**CROSS CONNECTION DETAIL**  
NOT TO SCALE

SUBMITTAL DATE: 8/12/2021



MATCH LINE STA. 12+00, SEE SHEET 366

- GENERAL NOTES:**
- CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
  - CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
  - CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.
- CODED NOTES:**
- CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
  - MAINTAIN MINIMUM 18" CLEARANCE.
  - MAINTAIN MINIMUM 12" CLEARANCE.
  - EXISTING 24" WATER MAIN IS PCCP. CONTRACTOR SHALL EXPOSE EXISTING 24" WATER MAIN PRIOR TO CONNECTION TO DETERMINE JOINT LOCATION
  - WATER TAP TO BE INSTALLED BELOW PROPOSED STORM.

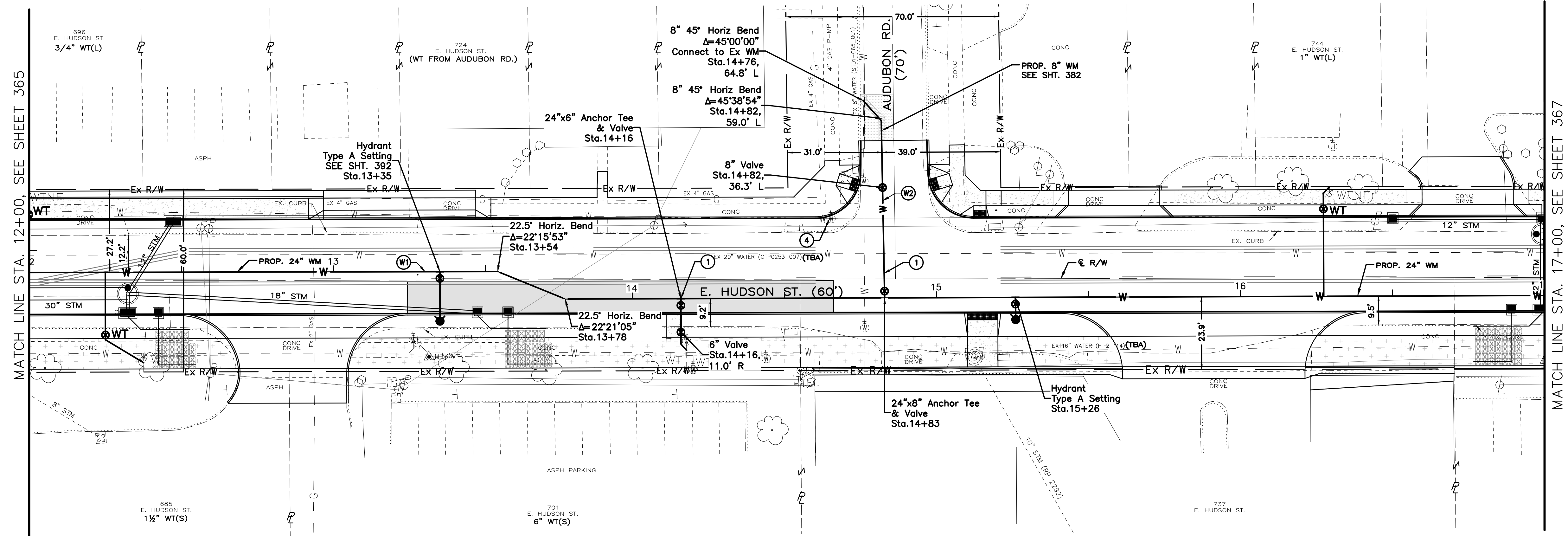


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**WATER WORK PLAN  
STA. 9+61 TO STA. 12+00**

**HUDSON ST**

SUBMITTAL DATE: 8/16/2021

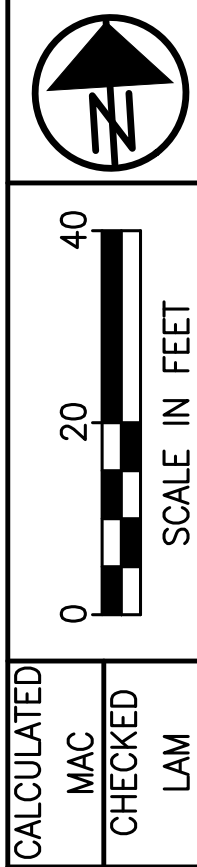
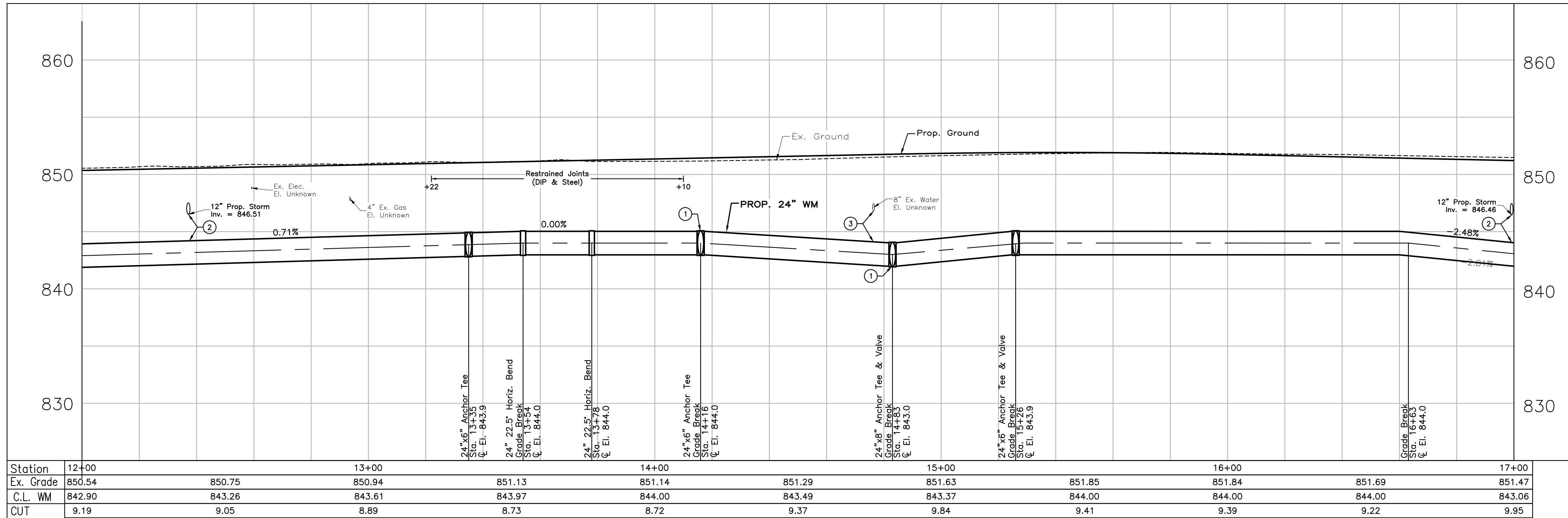


**CODED NOTES:**

- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.
- ④ CONTRACTOR TO REMOVE IF LINE IS ABANDONED.

**GENERAL NOTES:**

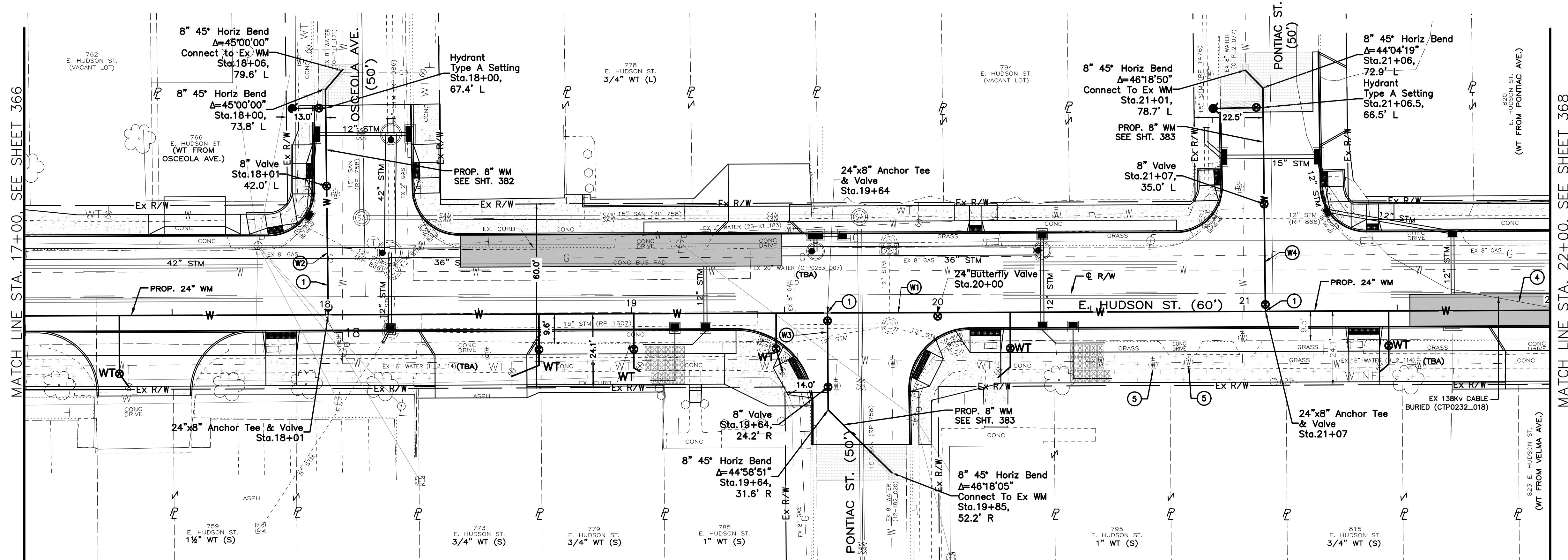
- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
- 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.



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**WATER WORK PLAN  
STA. 12+00 TO STA. 17+00**

**HUDSON ST**

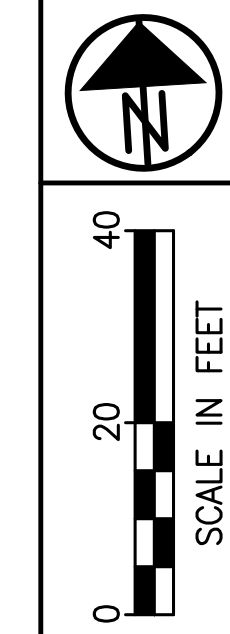
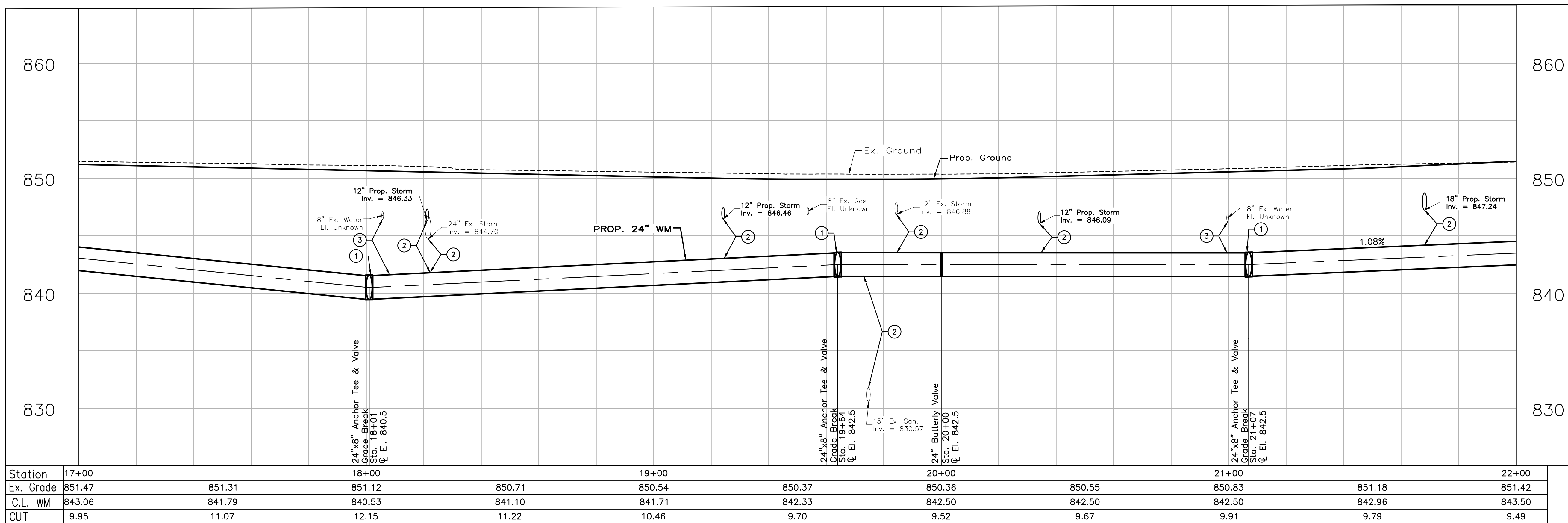


**CODED NOTES:**

- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.
- ④ MAINTAIN MINIMUM 24" CLEARANCE FROM UNDERGROUND TRANSMISSION FACILITY. CONTACT AEP UNDERGROUND TRANSMISSION LINE REPRESENTATIVE AT (740) 503-2819 PRIOR TO PERFORMING WORK.
- ⑤ EXISTING WATER TAP IS ABANDONED. CONTRACTOR TO CONFIRM TAP LOCATION AND REMOVE ABANDONED CURB BOX.

**GENERAL NOTES:**

- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
- 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.

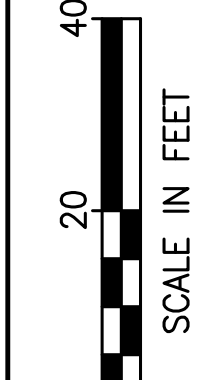
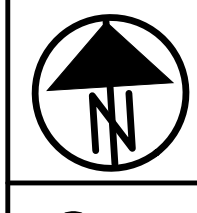


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**WATER WORK PLAN**  
**STA. 17+00 TO STA. 22+00**

**HUDSON ST**

SUBMITTAL DATE: 6/17/2021

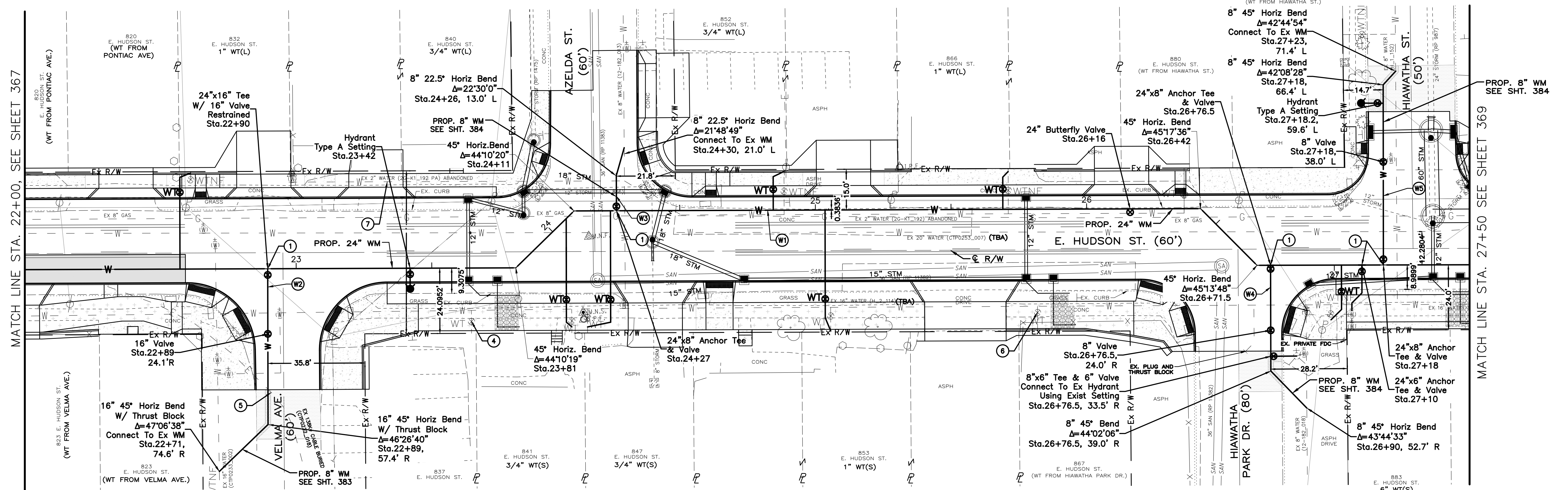


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**WATER WORK PLAN**  
**STA. 22+25 TO STA. 27+50**

**HUDSON ST**

368  
535



**CODED NOTES:**

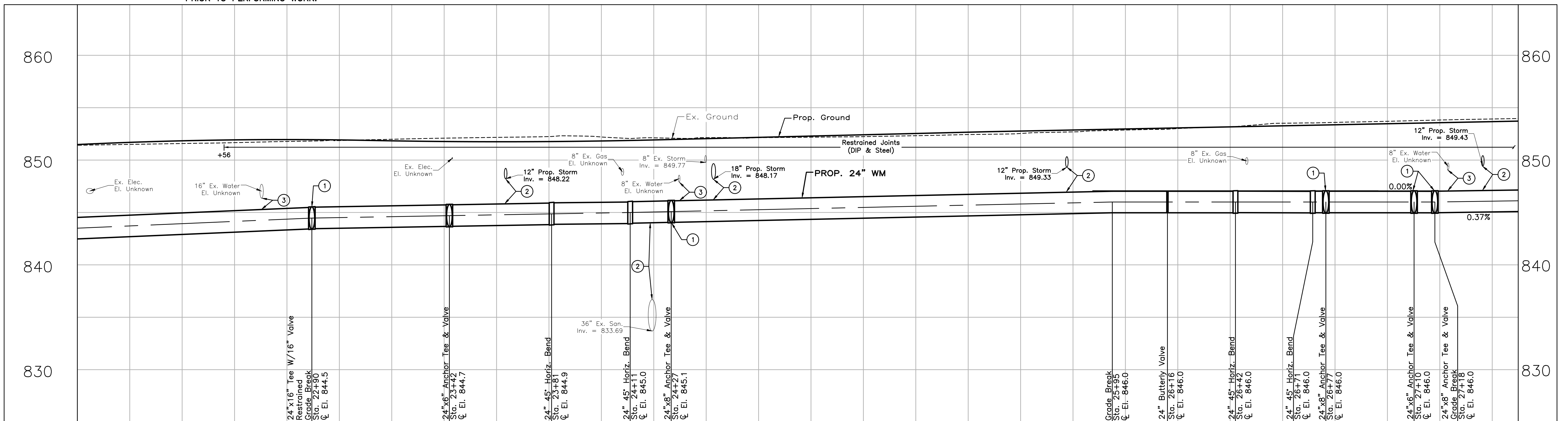
- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.
- ④ EXISTING WATER TAP IS ABANDONED. CONTRACTOR TO CONFIRM TAP LOCATION AND REMOVE ABANDONED CURB BOX.
- ⑤ MAINTAIN MINIMUM 24" CLEARANCE FROM UNDERGROUND TRANSMISSION FACILITY. CONTACT AEP UNDERGROUND TRANSMISSION LINE REPRESENTATIVE AT (740) 503-2819 PRIOR TO PERFORMING WORK.

- ⑥ EXISTING WATER TAP IS ABANDONED. CONTRACTOR TO CONFIRM TAP LOCATION AND REMOVE ABANDONED CURB BOX.
- ⑦ CONTRACTOR TO REMOVE EXISTING 2 INCH ABANDONED WATER LINE FROM STORM STRUCTURE 610 WEST.

**GENERAL NOTES:**

- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
- 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.

SUBMITTAL DATE: 8/13/2021

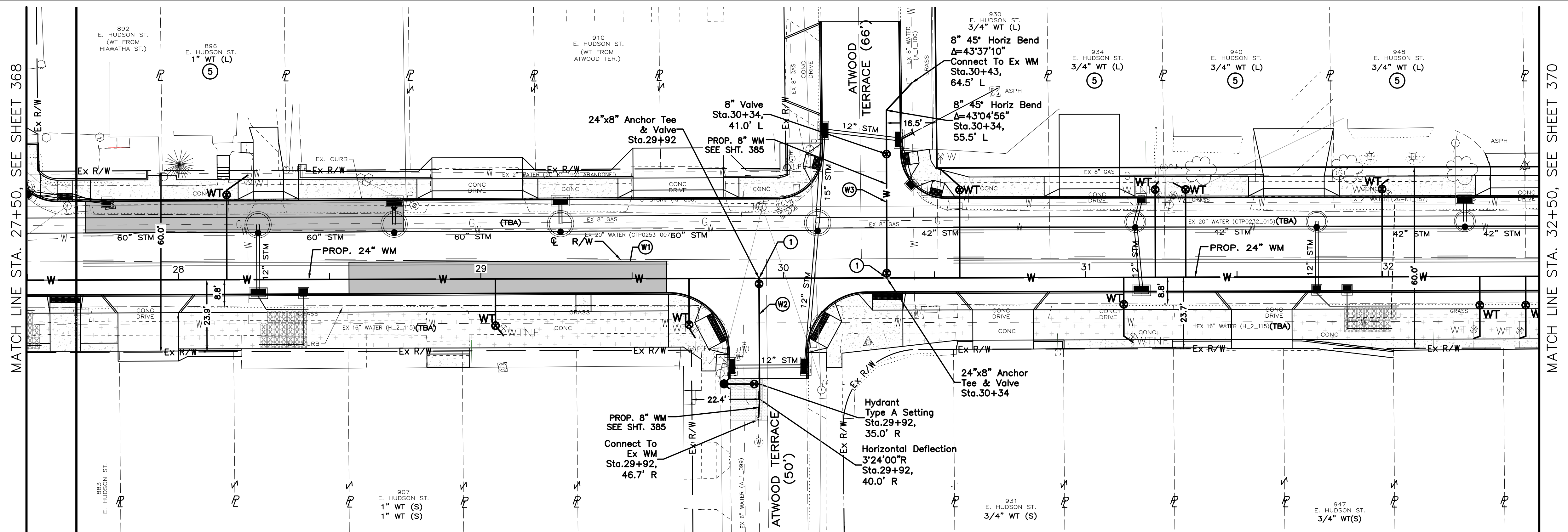


Station	22+00	23+00	24+00	25+00	26+00	27+00
Ex. Grade	851.42	851.87	852.21	852.11	852.87	853.70
C.L. WM	843.50	844.04	844.95	845.21	846.00	846.00
Cut	9.49	9.16	8.98	8.48	8.26	9.27

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SUBMITTAL DATE: 8/13/2021

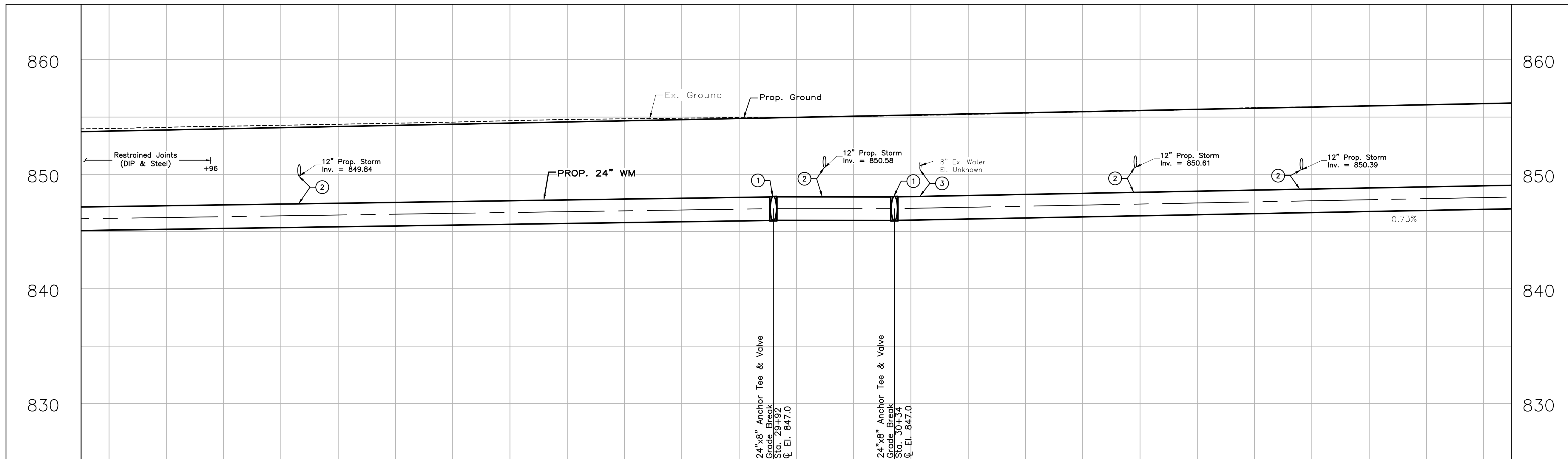


**CODED NOTES:**

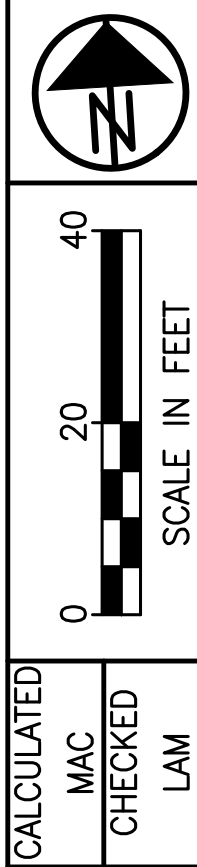
- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.
- ④ MAINTAIN 3'-0" MINIMUM CLEARANCE FROM GAS LINE.
- ⑤ WATER TAP TO BE INSTALLED BELOW PROPOSED STORM SEWER.

**GENERAL NOTES:**

- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
- 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.



Station	28+00	29+00	30+00	31+00	32+00
Ex. Grade	853.97	854.20	854.87	855.44	856.19
C.L. WM	846.12	846.30	847.00	847.31	847.78
Cut	9.42	9.47	9.52	9.70	9.74

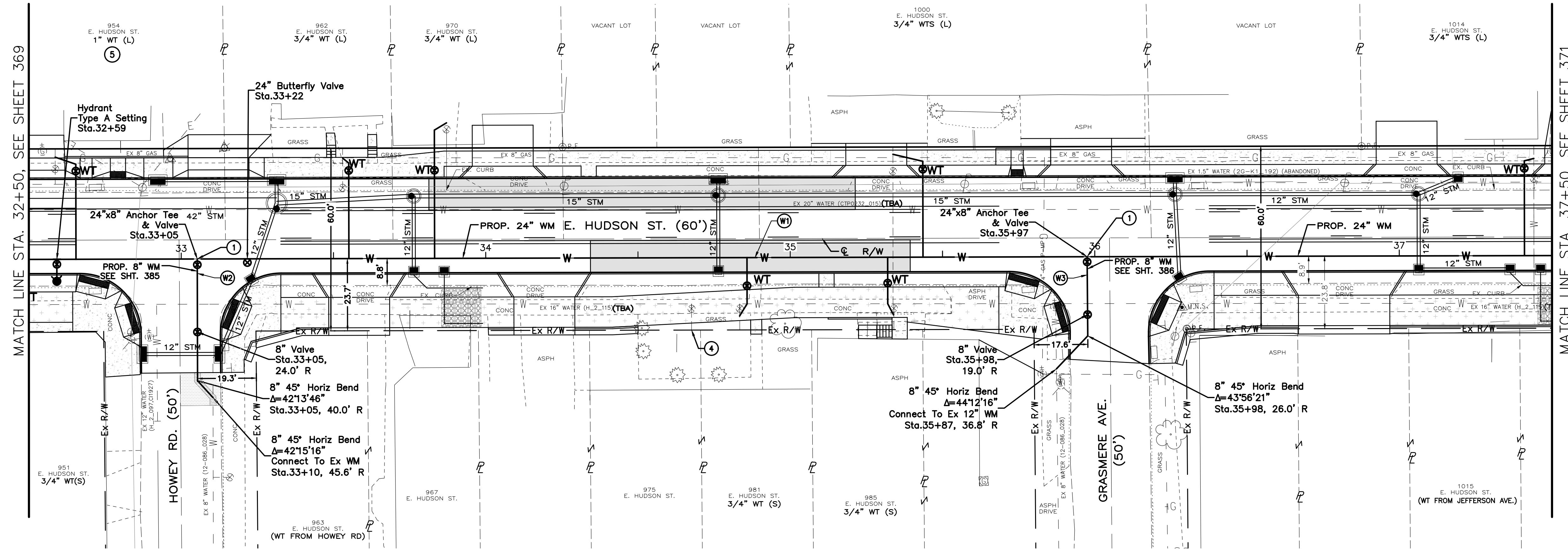


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**WATER WORK PLAN  
STA. 27+50 TO STA. 32+50**

**HUDSON ST**

SUBMITTAL DATE: 8/13/2021

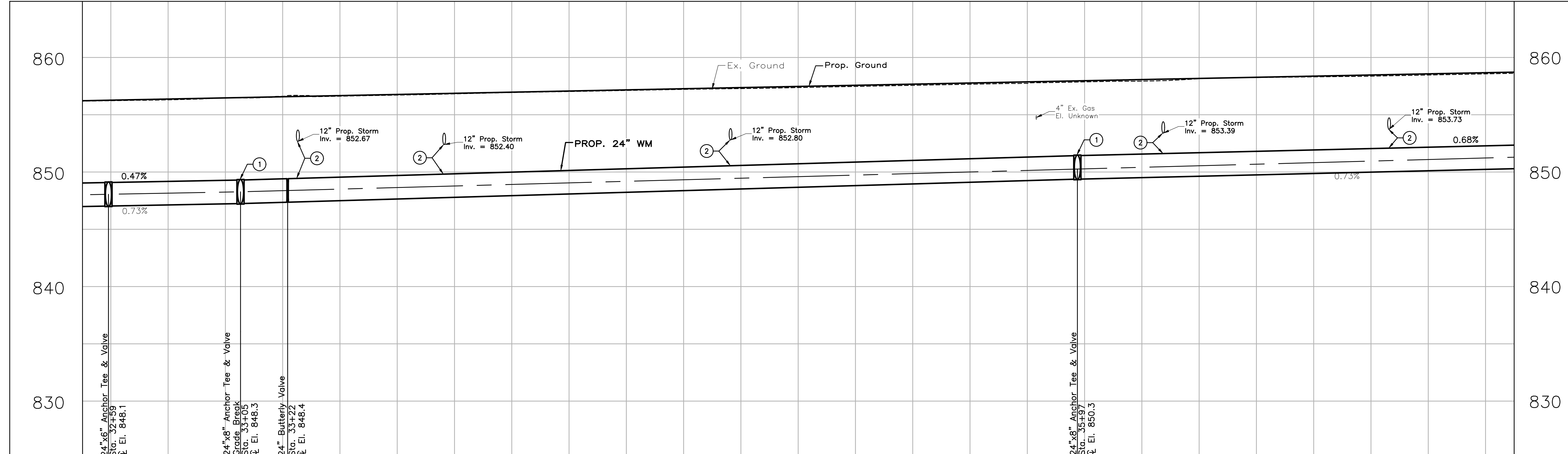


**CODED NOTES:**

- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.
- ④ EXISTING WATER TAP IS ABANDONED. CONTRACTOR TO CONFIRM TAP LOCATION AND REMOVE ABANDONED CURB BOX.
- ⑤ WATER TAP TO BE INSTALLED BELOW PROPOSED STORM SEWER.

**GENERAL NOTES:**

- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
- 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.



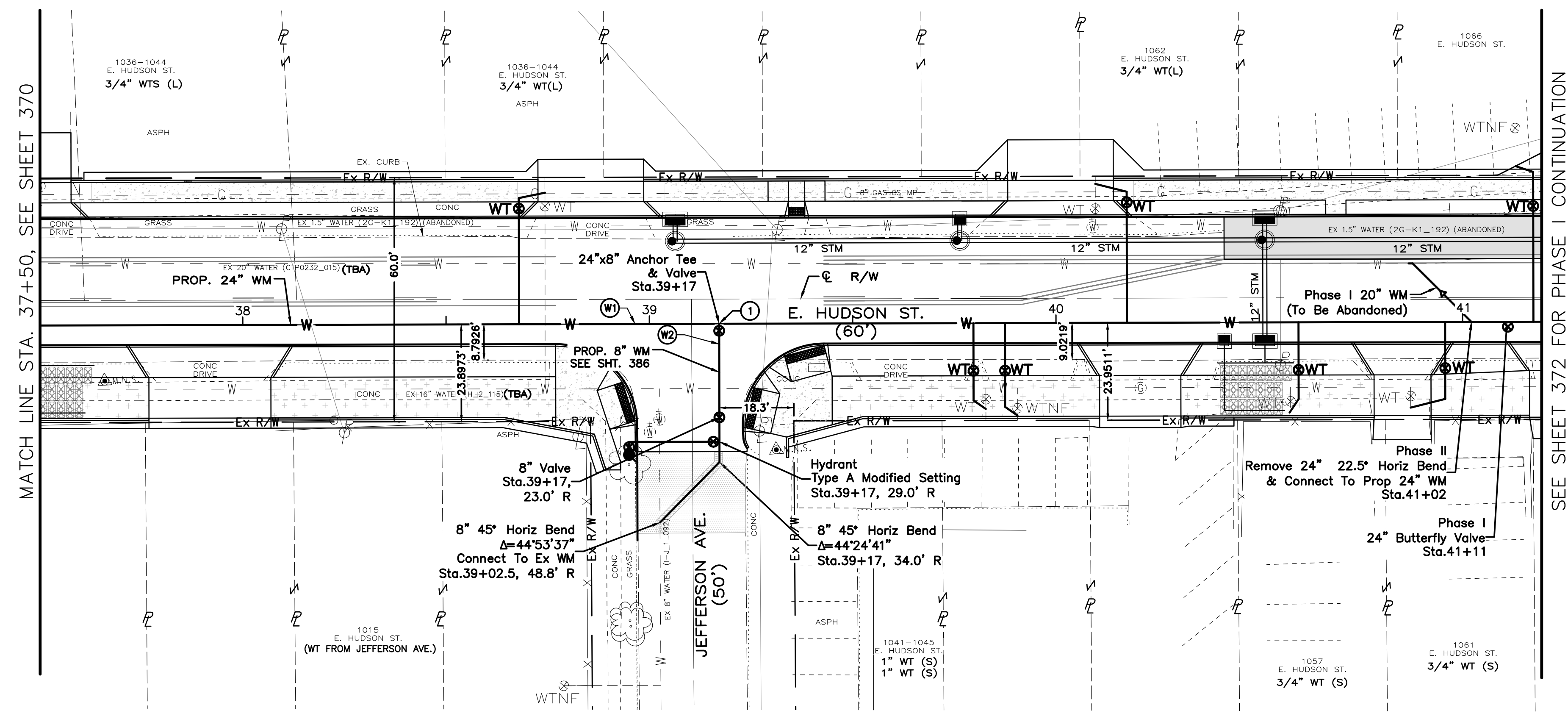
Station	32+50	33+00	34+00	35+00	36+00	37+00
Ex. Grade	856.19	856.67	856.94	857.17	857.87	858.62
C.L. WM	848.01	848.25	848.58	848.92	849.26	849.60
Cut	9.74	9.78	9.65	9.58	9.46	9.33

CALCULATED  
MAC  
CHECKED  
LAM

**WATER WORK PLAN  
STA. 32+50 TO STA. 37+50**

**HUDSON ST**

SUBMITTAL DATE: 8/13/2021

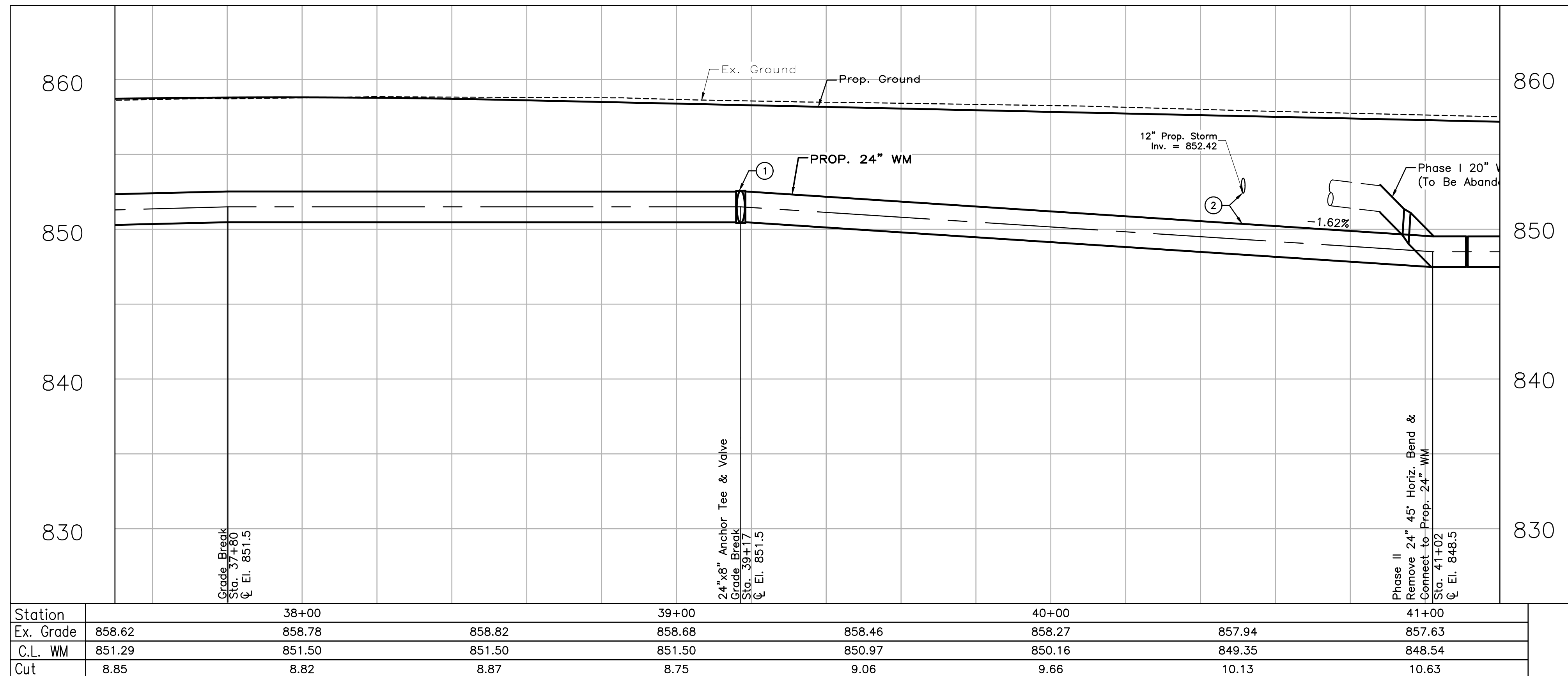


**CODED NOTES:**

- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.

**GENERAL NOTES:**

- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
- 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.



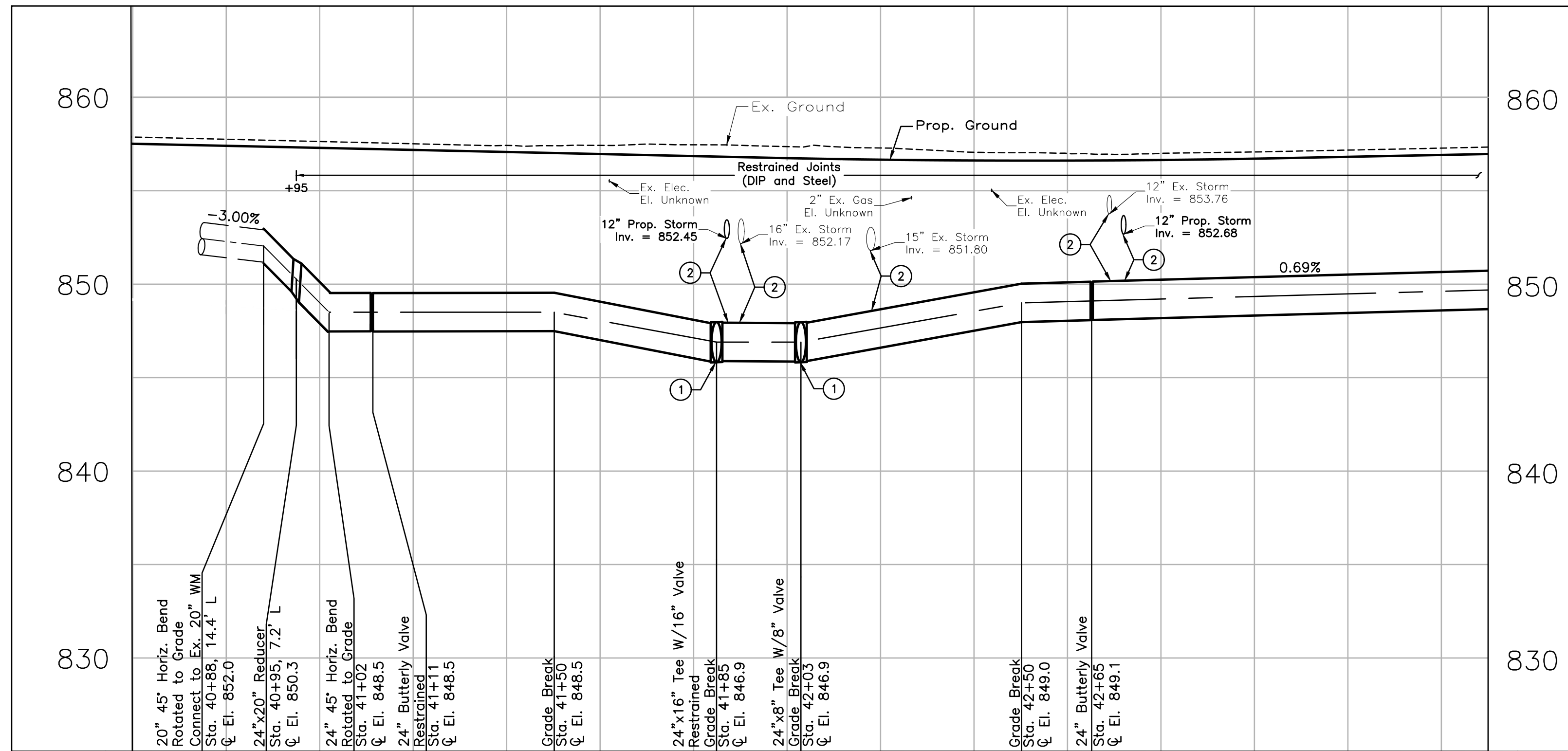
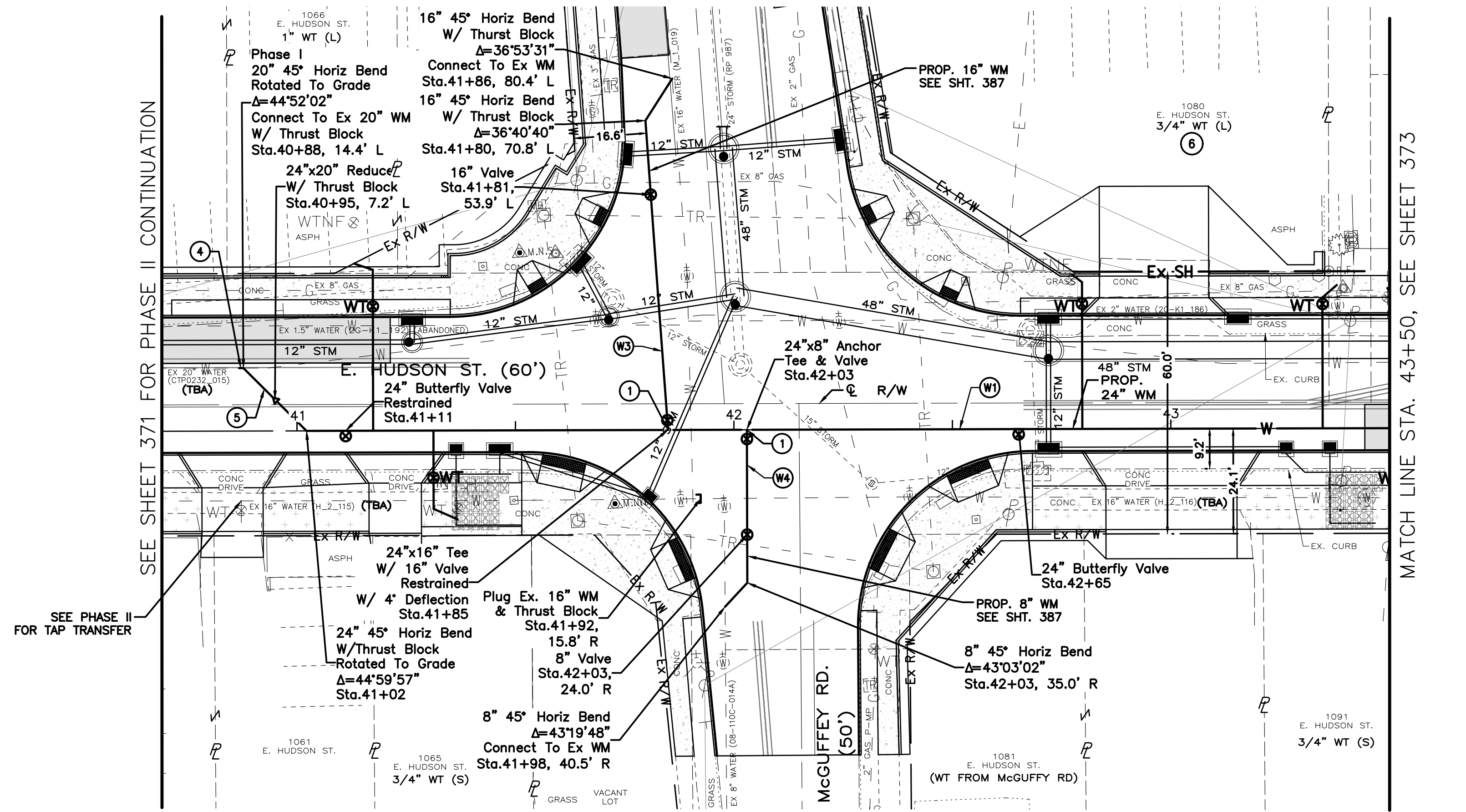
CALCULATED  
MAC  
CHECKED  
LAM



**WATER WORK PLAN  
STA. 37+50 TO STA. 41+02**

**HUDSON ST**

SUBMITTAL DATE: 8/13/2021



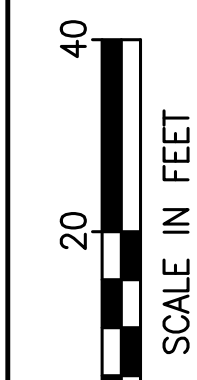
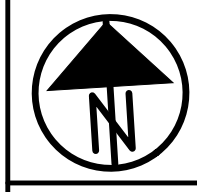
Station	41+00	42+00	43+00
Ex. Grade	857.63	857.41	857.04
C.L. WM	848.54	848.50	849.34
Cut	10.63	10.42	9.57

**GENERAL NOTES:**

- CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.
- CONTRACTOR TO INSTALL BONDING WIRE BETWEEN PHASE I AND PHASE II.

**CODED NOTES:**

- CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- MAINTAIN MINIMUM 18" CLEARANCE.
- MAINTAIN MINIMUM 12" CLEARANCE.
- EXISTING 20" WM IS PCCP. PHASE I CONNECTION TO OCCUR AT PIPE JOINT. CONTRACTOR SHALL EXPOSE EXISTING 20" WM PRIOR TO CONNECTION TO DETERMINE JOINT LOCATION.
- WATER LINE CONNECTION TO EXISTING 20" WATER AT STA. 40+69 IS TEMPORARY TO COMPLETE PHASE I WORK. WATER LINE BETWEEN STA 40+69 AND 40+83 SHALL BE ABANDONED AND REMOVED AS PART OF PHASE II WORK.
- WATER TAP TO BE INSTALLED BELOW PROPOSED STORM SEWER.

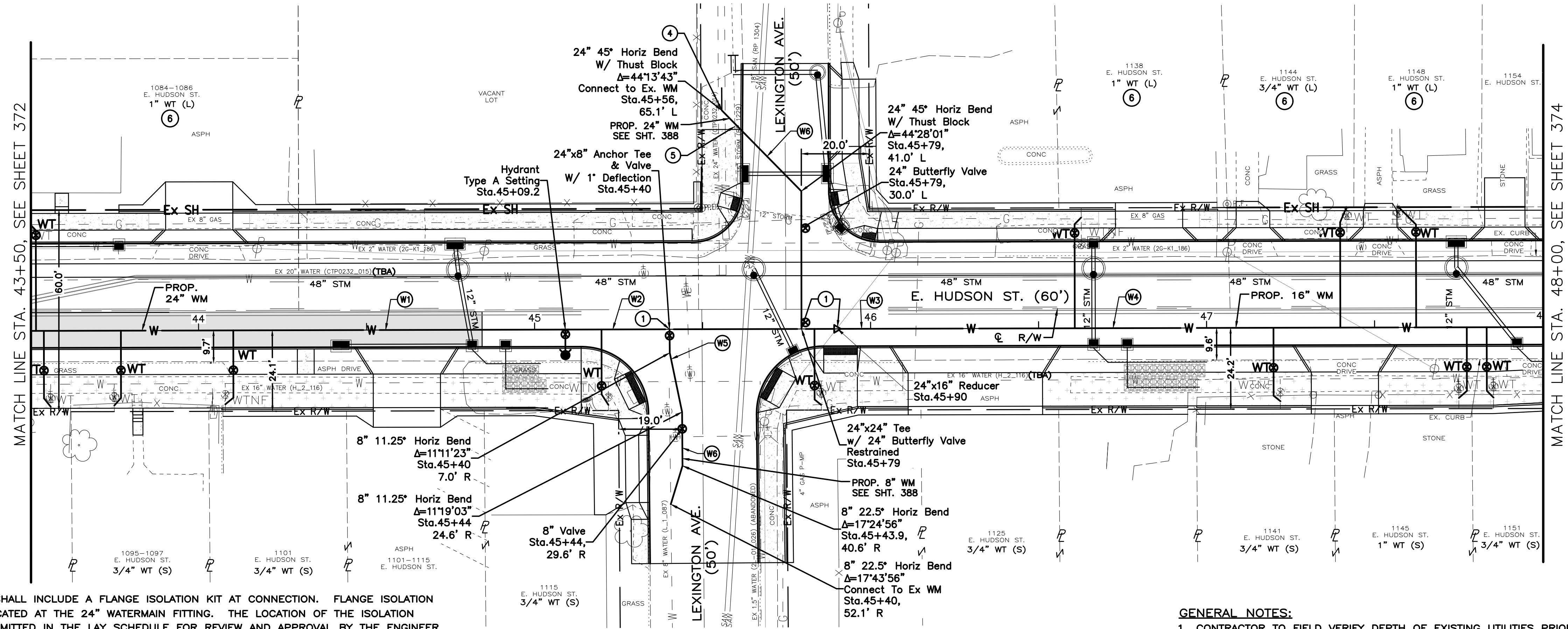


CALCULATED  
MAC  
CHECKED  
LAM

**WATER WORK PLAN  
STA. 40+88 TO STA. 43+50**

**HUDSON ST**

SUBMITTAL DATE: 8/13/2021

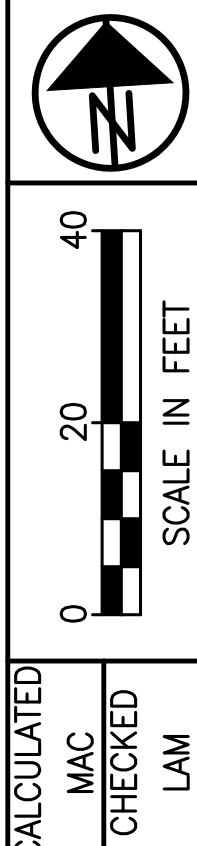
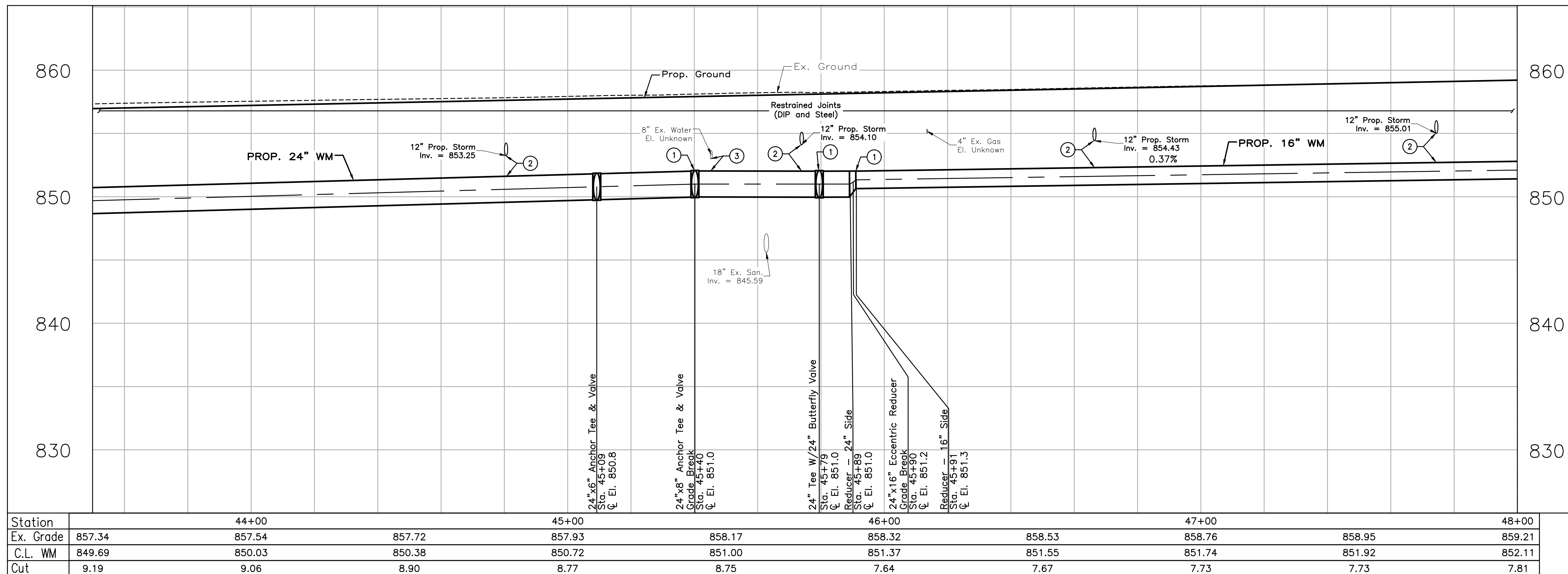


**CODED NOTES:**

- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.
- ④ EXISTING 24" WM IS PCCP. NEW CONNECTION TO OCCUR AT PIPE JOINT. CONTRACTOR SHALL EXPOSE EXISTING 24" WM PRIOR TO CONNECTION TO DETERMINE JOINT LOCATION.
- ⑤ CONTRACTOR SHALL REMOVE EXISTING 15" STORM TO INSTALL 24" WATER LINE. ANY COSTS ASSOCIATED WITH REMOVAL SHALL BE INCLUDED IN UNIT PRICE BID FOR ITEM 801 24" WATER MAIN.
- ⑥ WATER TAP TO BE INSTALLED BELOW PROPOSED STORM SEWER.

**GENERAL NOTES:**

1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.



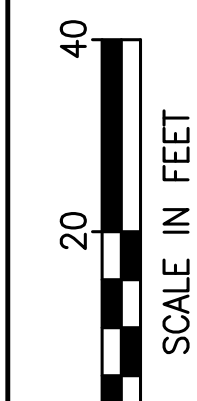
CALCULATED  
MAC  
CHECKED  
LAM

**WATER WORK PLAN  
STA. 43+50 TO STA. 48+00**

**HUDSON ST**

373  
535

3575-E

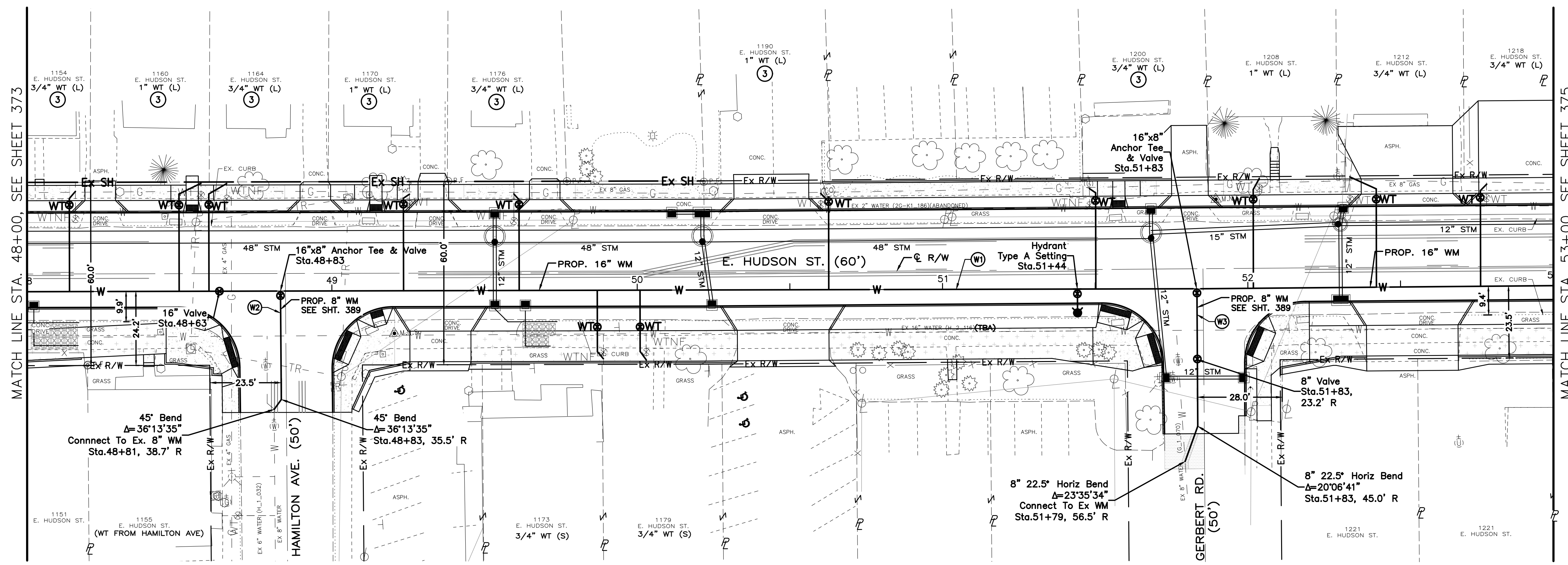


CALCULATED  
MAC  
CHECKED  
LAM

**WATER WORK PLAN  
STA. 48+00 TO STA. 53+00**

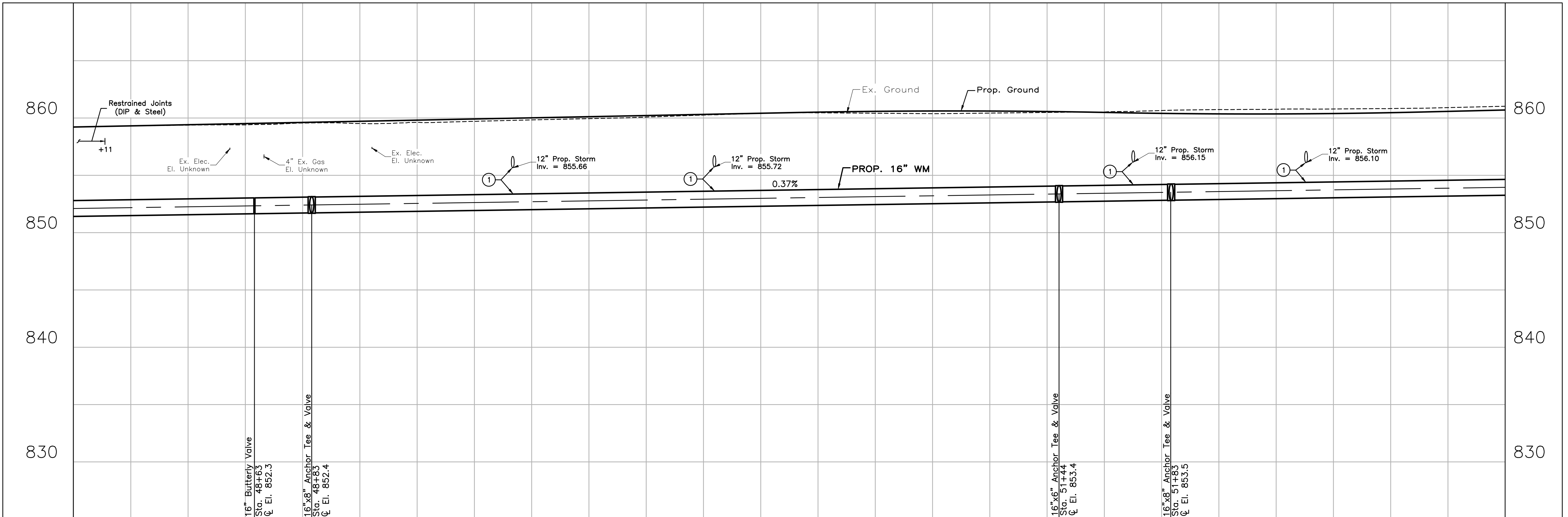
**HUDSON ST**

374  
535



- CODED NOTES:**
- ① MAINTAIN MINIMUM 18" CLEARANCE.
  - ② MAINTAIN MINIMUM 12" CLEARANCE.
  - ③ WATER TAP TO BE INSTALLED BELOW PROPOSED STORM SEWER.

- GENERAL NOTES:**
1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
  2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
  3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.

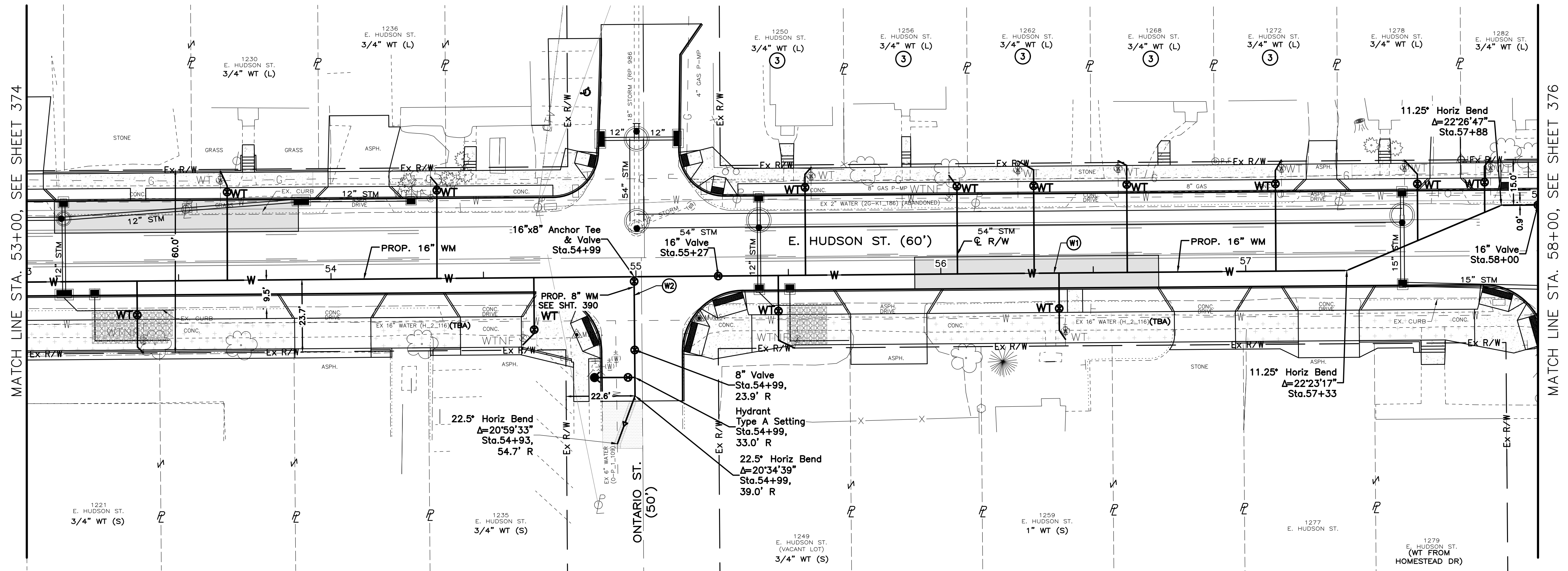


Station	48+00	49+00	50+00	51+00	52+00	53+00
Ex. Grade	859.21	859.40	859.52	860.08	860.74	861.03
C.L. WM	852.11	852.29	852.47	853.03	853.58	853.95
Cuts	7.81	7.82	7.76	7.83	7.87	7.78

SUBMITTAL DATE: 8/16/2021

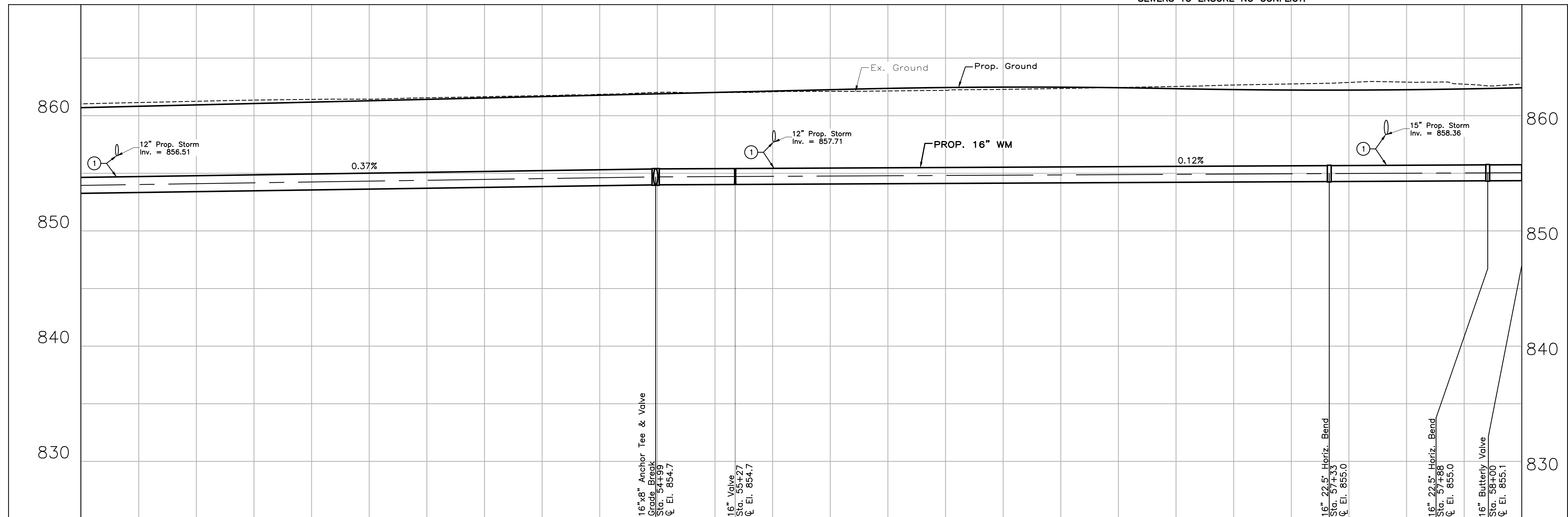
3575-E

SUBMITTAL DATE: 8/13/2021

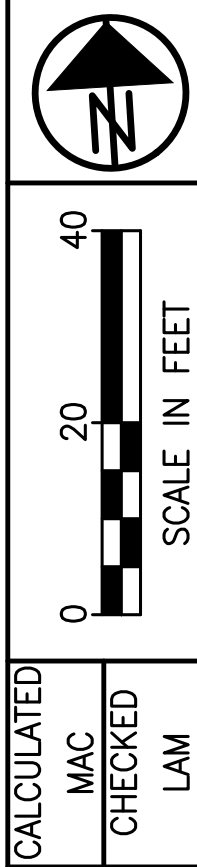


- CODED NOTES:**
- ① MAINTAIN MINIMUM 18" CLEARANCE.
  - ② MAINTAIN MINIMUM 12" CLEARANCE.
  - ③ WATER TAP TO BE INSTALLED BELOW PROPOSED STORM SEWER.

- GENERAL NOTES:**
1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
  2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
  3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.

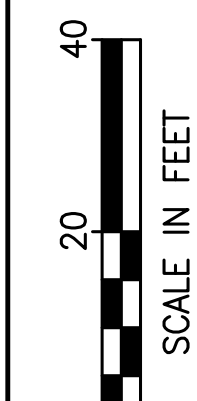


Station	53+00	54+00	55+00	56+00	57+00	58+00
Ex. Grade	861.03	861.31	861.43	861.70	862.02	862.11
C.L. WM	853.95	854.14	854.32	854.51	854.69	854.75
Cut	7.78	7.88	7.81	7.89	8.03	8.06



**WATER WORK PLAN  
STA. 53+00 TO STA. 58+00**

**HUDSON ST**

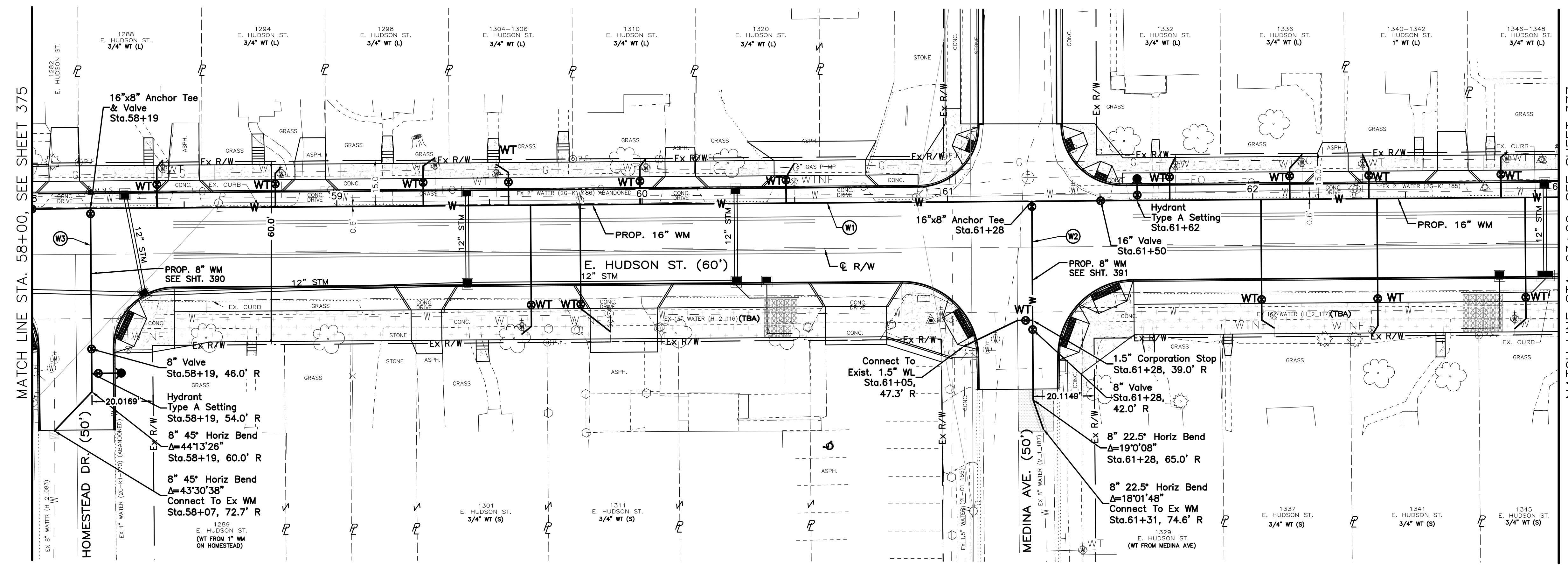


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**WATER WORK PLAN  
STA. 58+00 TO STA. 63+00**

**HUDSON ST**

376  
535



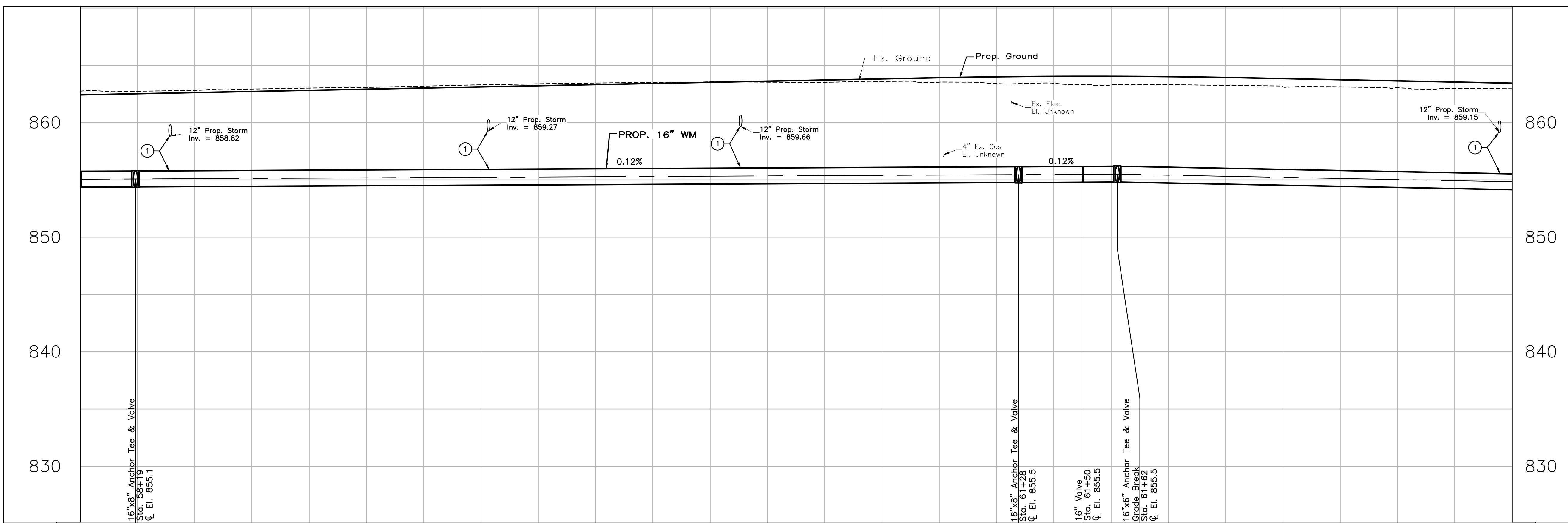
MATCH LINE STA. 58+00, SEE SHEET 375

MATCH LINE STA. 63+00, SEE SHEET 377

- CODED NOTES:**
- ① MAINTAIN MINIMUM 18" CLEARANCE.
  - ② MAINTAIN MINIMUM 12" CLEARANCE.

- GENERAL NOTES:**
1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
  2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
  3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.

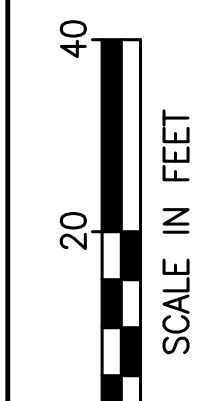
SUBMITTAL DATE: 6/4/2021



Station	58+00	59+00	60+00	61+00	62+00	63+00
Ex. Grade	862.75	863.08	863.34	863.51	863.25	862.95
C.L. WM	855.06	855.12	855.24	855.30	855.32	854.83
Cut	8.39	8.44	8.59	8.80	8.85	8.81

3575-E

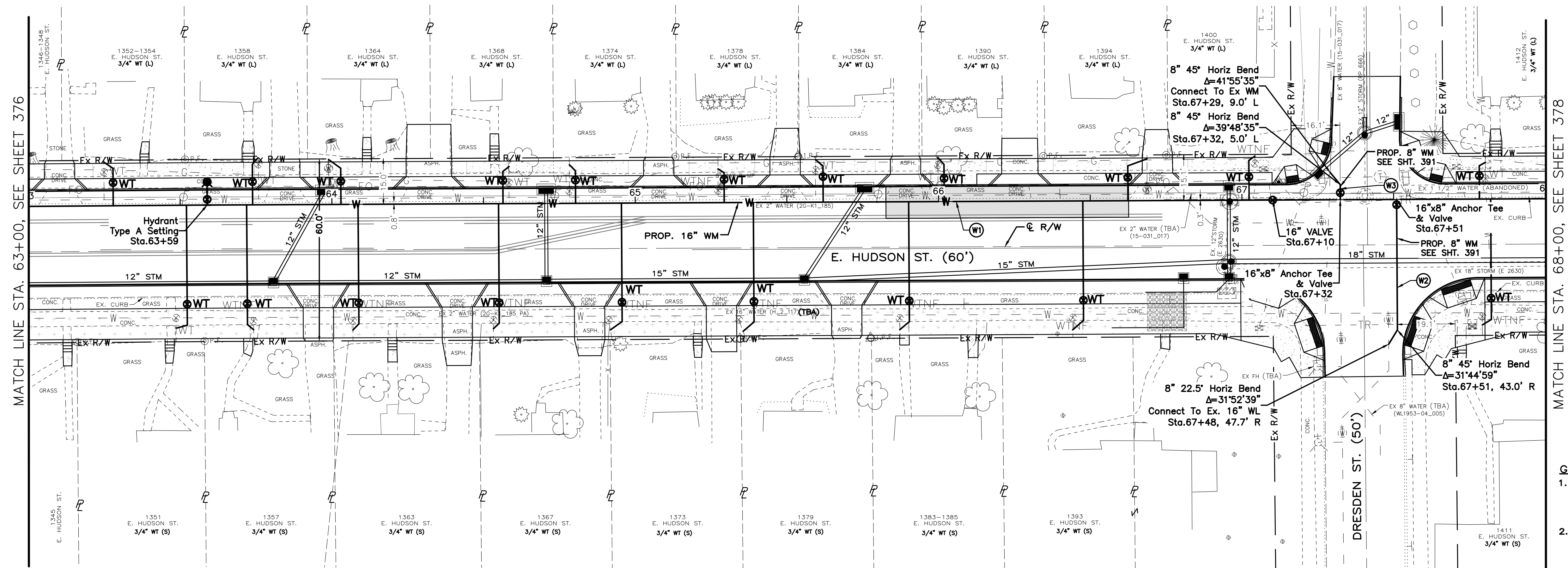




CALCULATED  
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**WATER WORK PLAN  
STA. 63+00 TO STA. 68+00**

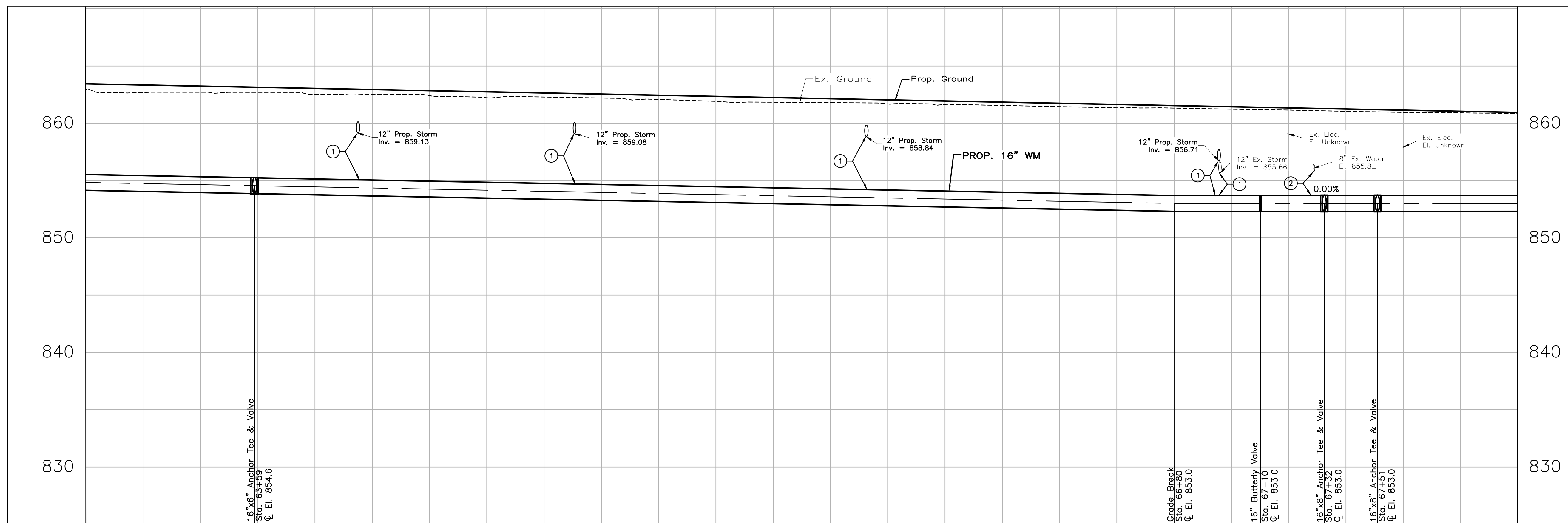
**HUDSON ST**



- CODED NOTES:**
- ① MAINTAIN MINIMUM 18" CLEARANCE.
  - ② MAINTAIN MINIMUM 12" CLEARANCE.

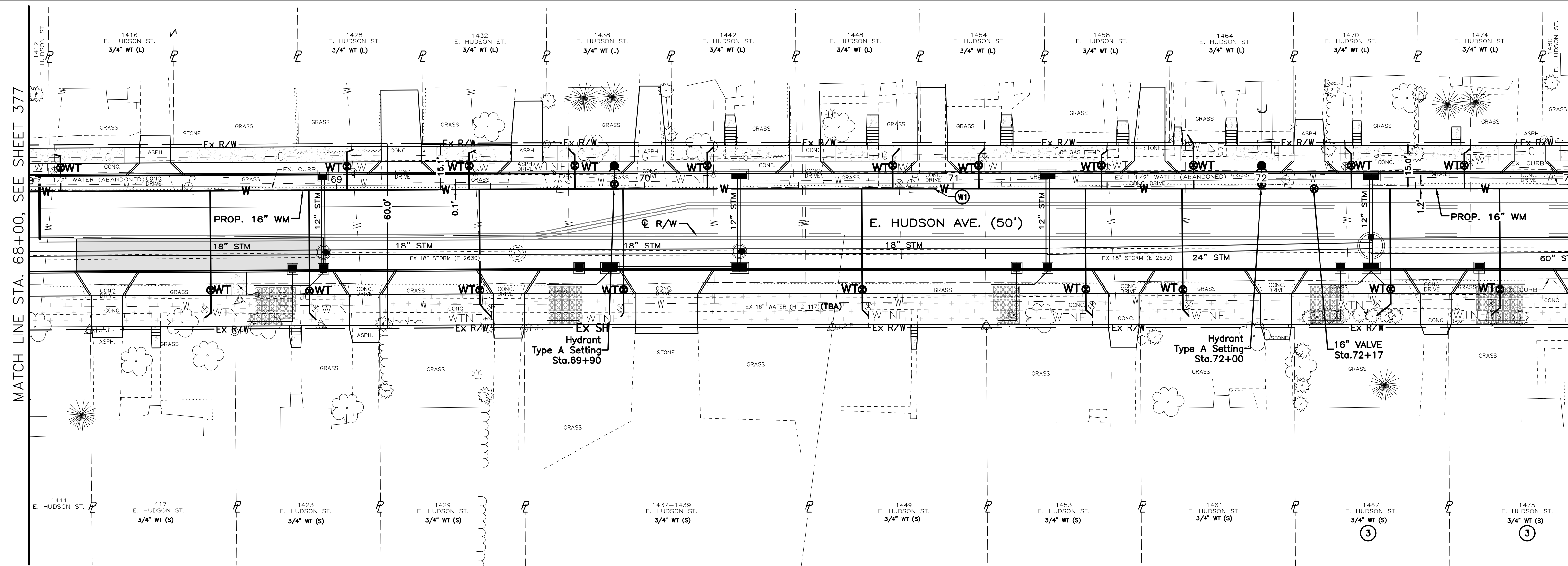
- GENERAL NOTES:**
1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
  2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
  3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.

SUBMITTAL DATE: 6/3/2021



Station	63+00	64+00	65+00	66+00	67+00	68+00
Ex. Grade	862.95	862.71	862.51	862.08	861.23	860.86
C.L. WM	854.83	854.59	854.35	853.87	853.00	853.00
Cut	8.81	8.81	8.85	8.92	8.95	8.54

SUBMITTAL DATE: 8/13/2021

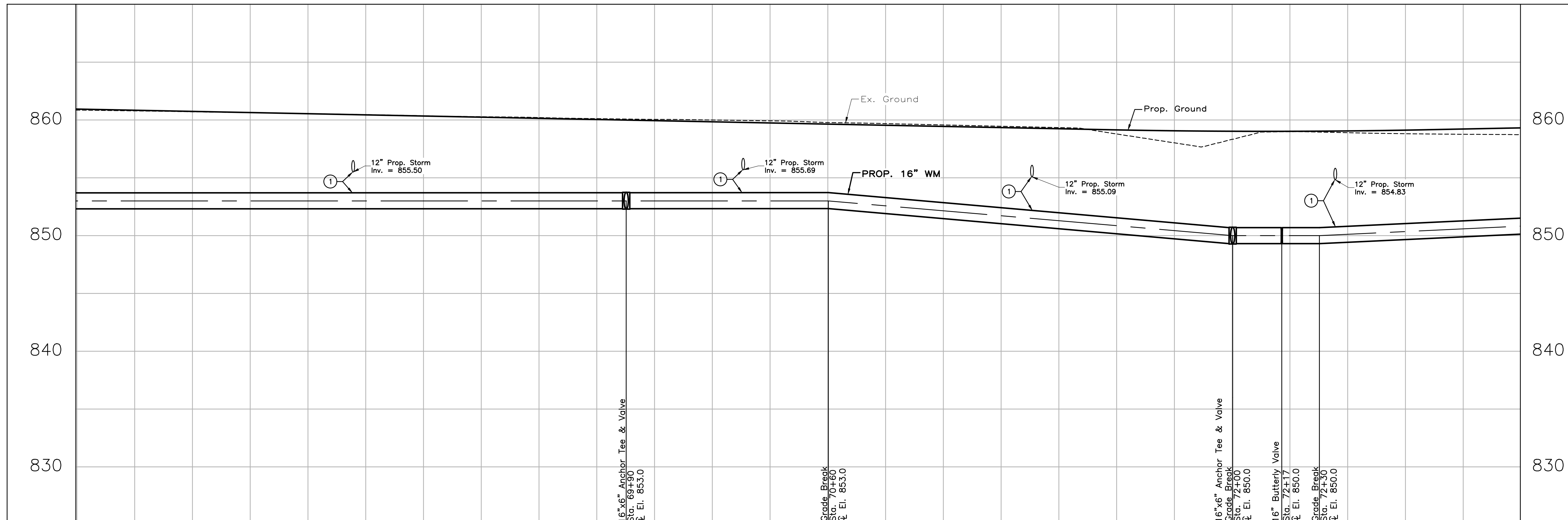


**CODED NOTES:**

- ① MAINTAIN MINIMUM 18" CLEARANCE.
- ② MAINTAIN MINIMUM 12" CLEARANCE.
- ③ WATER TAP TO BE INSTALLED BELOW PROPOSED STORM SEWER.

**GENERAL NOTES:**

1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.



Station	68+00		69+00		70+00		71+00		72+00		73+00
Ex. Grade	860.86	860.67	860.46	860.25	860.05	859.87	859.57	859.18	858.33	858.85	858.73
C.L. WM	853.00	853.00	853.00	853.00	853.00	853.00	852.15	851.08	850.00	850.23	850.82
Cuts	8.54	8.35	8.14	7.92	7.72	7.53	8.10	8.79	9.02	9.31	8.60

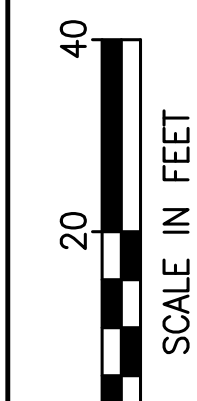
CALCULATED  
MAC  
CHECKED  
LAM

WATER WORK PLAN  
STA. 68+00 TO STA. 73+00

HUDSON ST

378  
535

3575-E

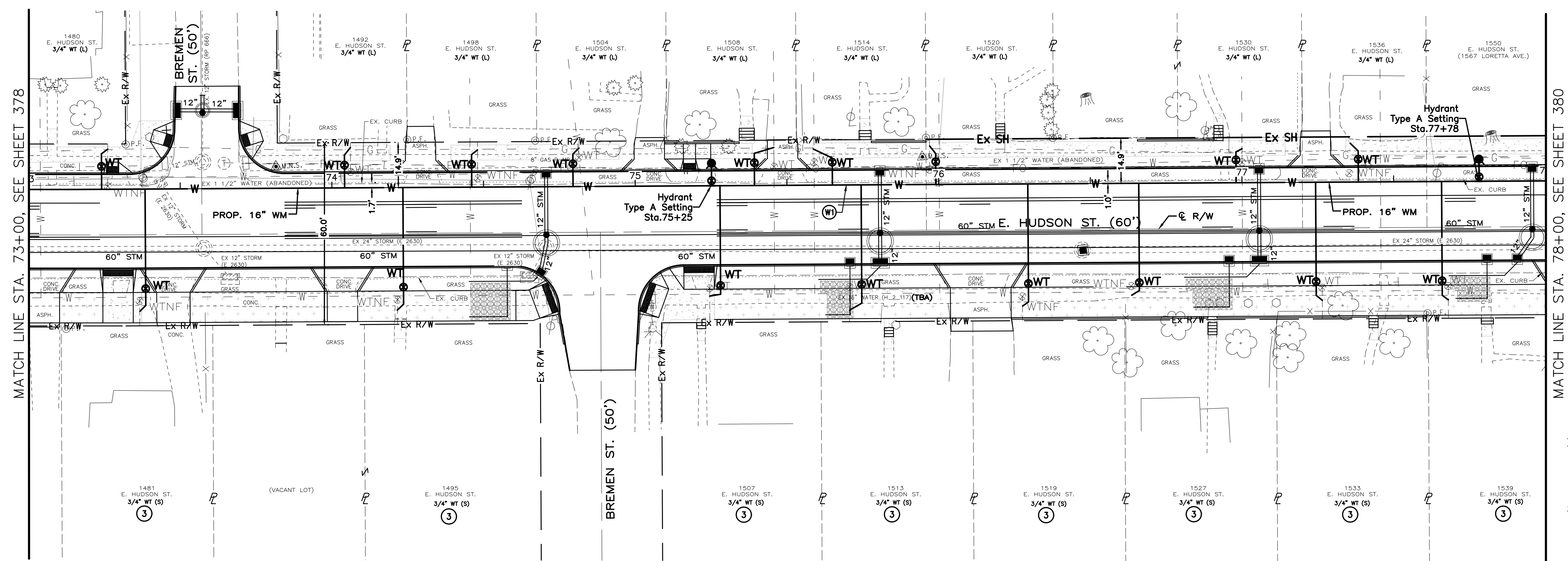


CALCULATED  
MAC  
CHECKED  
LAM

**WATER WORK PLAN  
STA. 73+00 TO STA. 78+00**

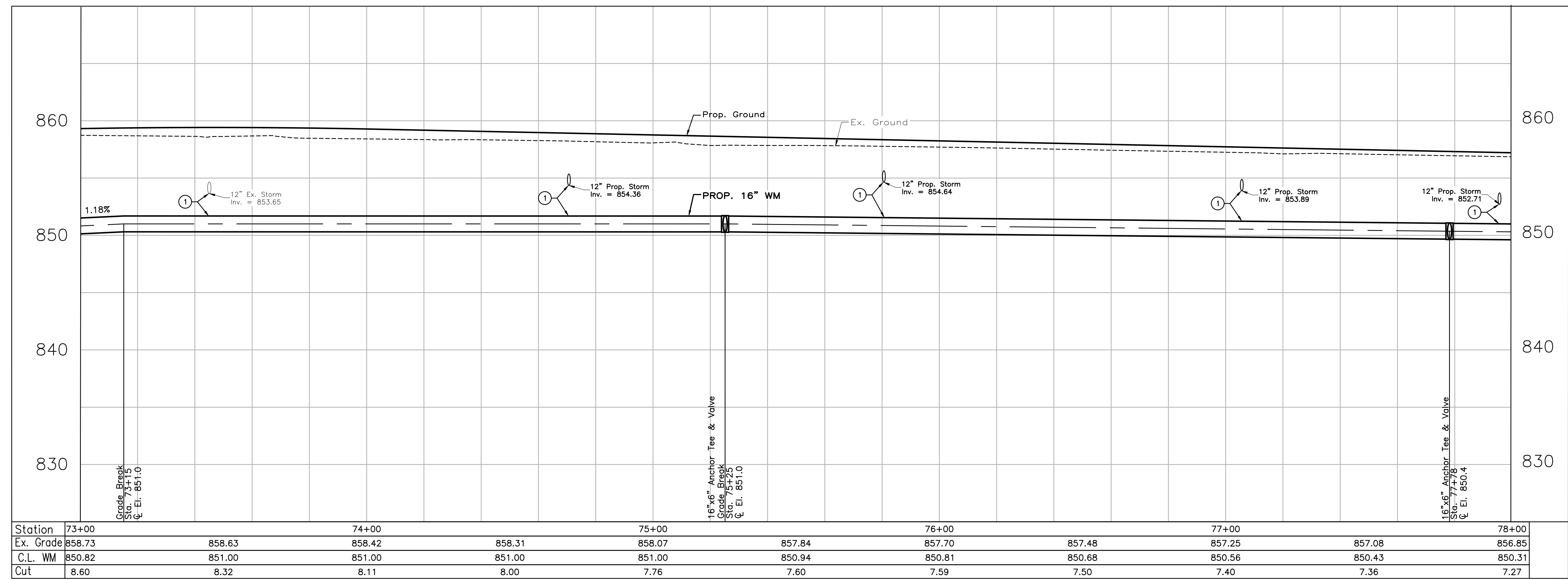
**HUDSON ST**

379  
535



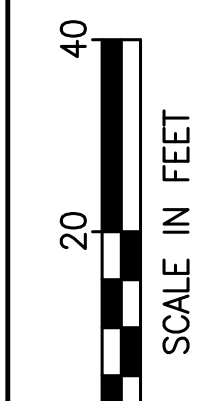
- CODED NOTES:**
- ① MAINTAIN MINIMUM 18" CLEARANCE.
  - ② MAINTAIN MINIMUM 12" CLEARANCE.
  - ③ WATER TAP TO BE INSTALLED BELOW PROPOSED STORM SEWER.

- GENERAL NOTES:**
- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
  - 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
  - 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.



SUBMITTAL DATE: 8/13/2021

3575-E

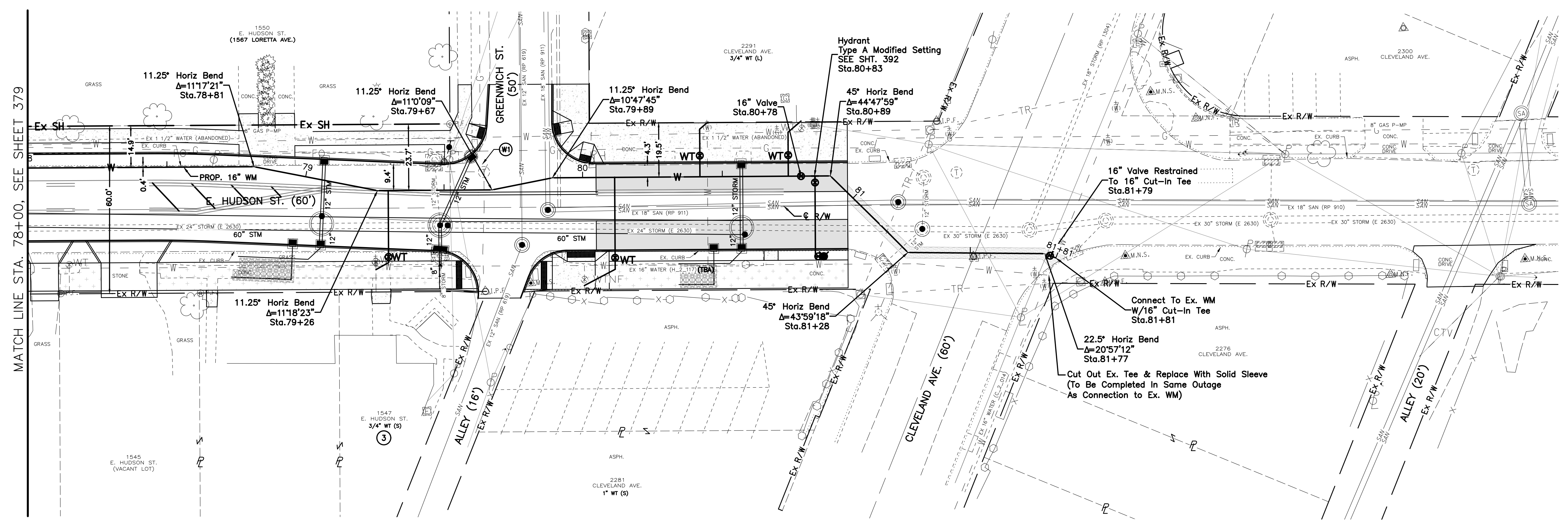


CALCULATED  
MAC  
CHECKED  
LAM

**WATER WORK PLAN  
STA. 78+00 TO STA. 81+81**

**HUDSON ST**

380  
535

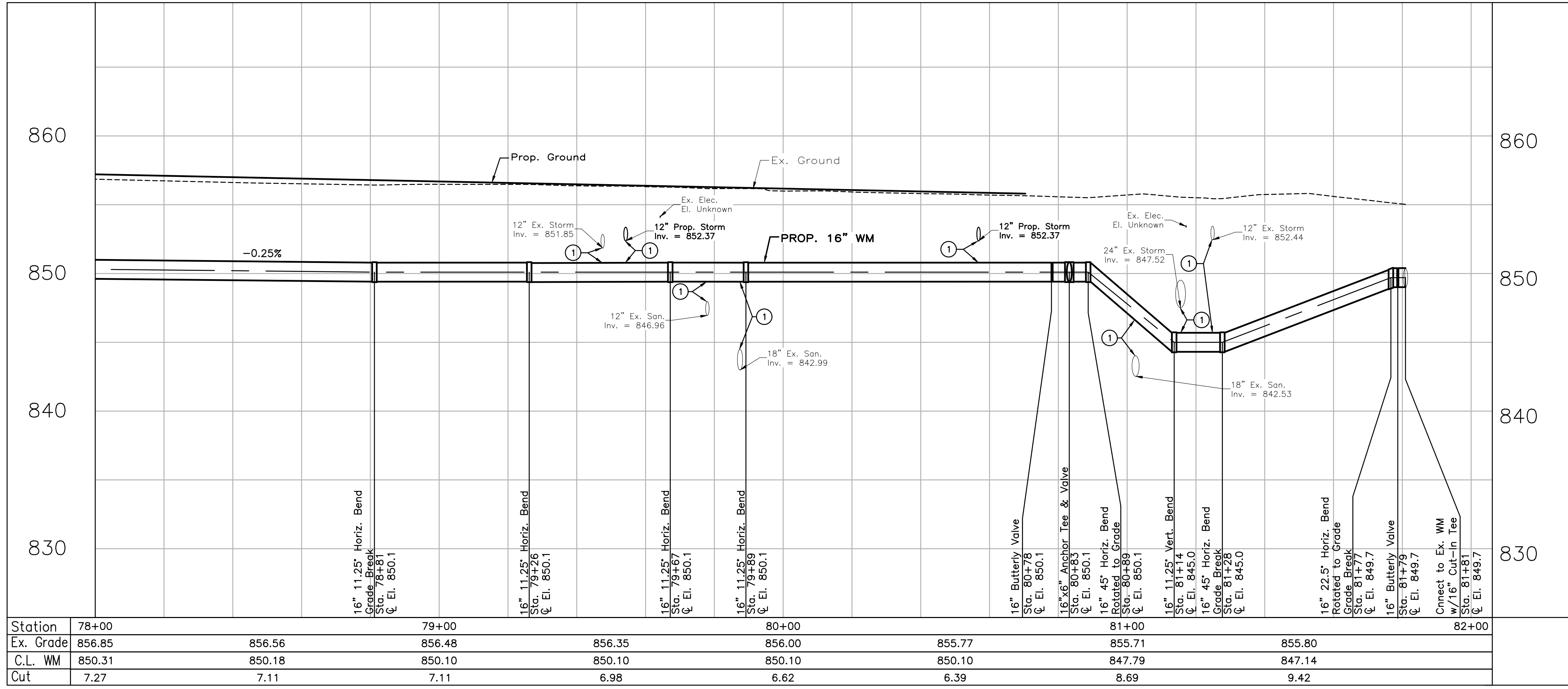


**CODED NOTES:**

- ① MAINTAIN MINIMUM 18" CLEARANCE.
- ② MAINTAIN MINIMUM 12" CLEARANCE.
- ③ WATER TAP TO BE INSTALLED BELOW PROPOSED STORM SEWER.

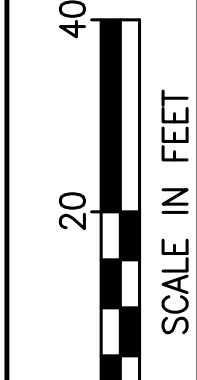
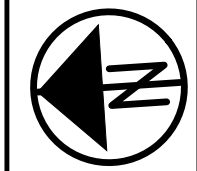
**GENERAL NOTES:**

- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
- 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROPOSED WATER TAP ELEVATIONS AND PROPOSED SEWERS TO ENSURE NO CONFLICT.



SUBMITTAL DATE: 8/13/2021

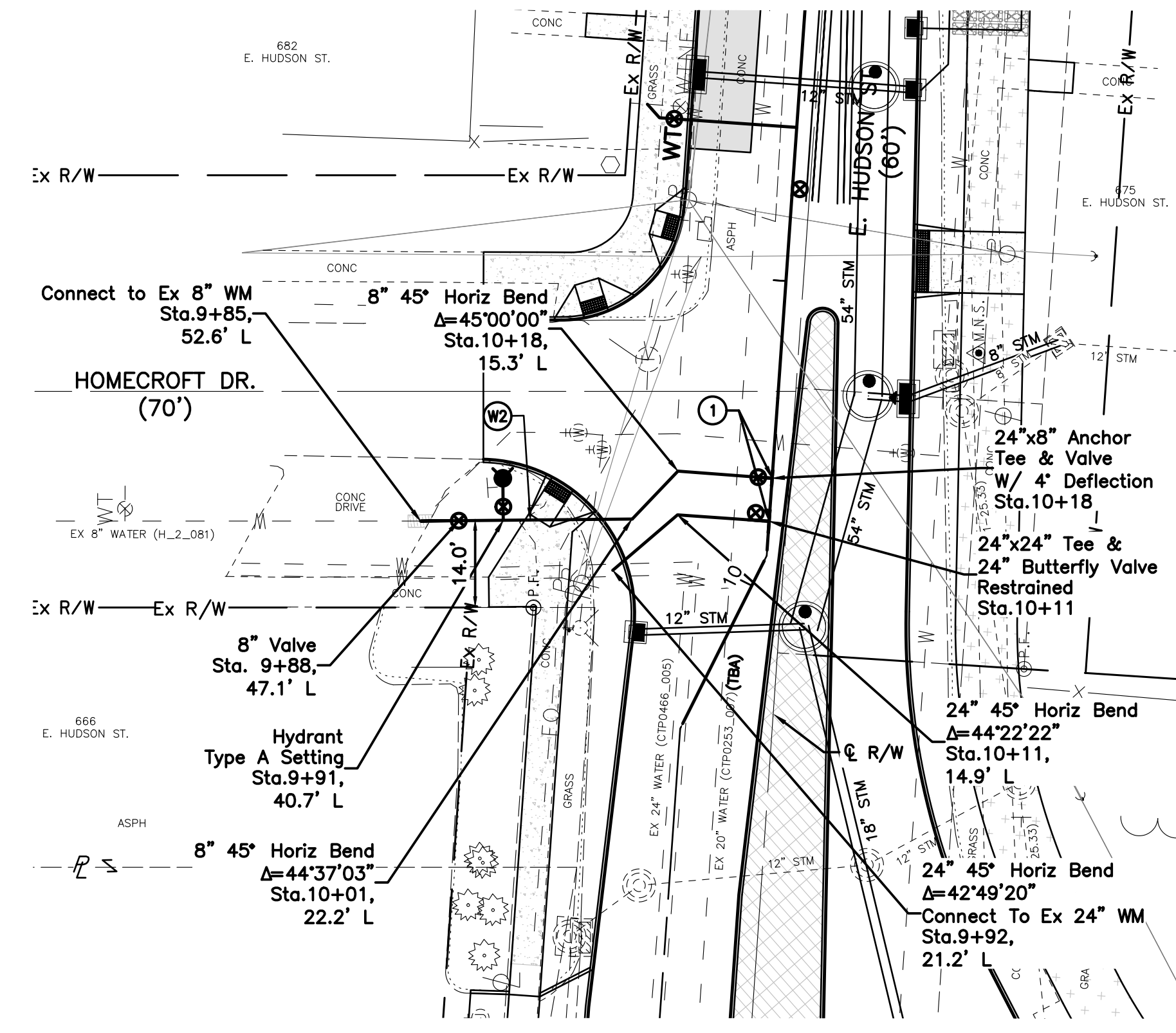
3575-E



CALCULATED	MAC	CHECKED	LAM
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**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

**HUDSON ST**



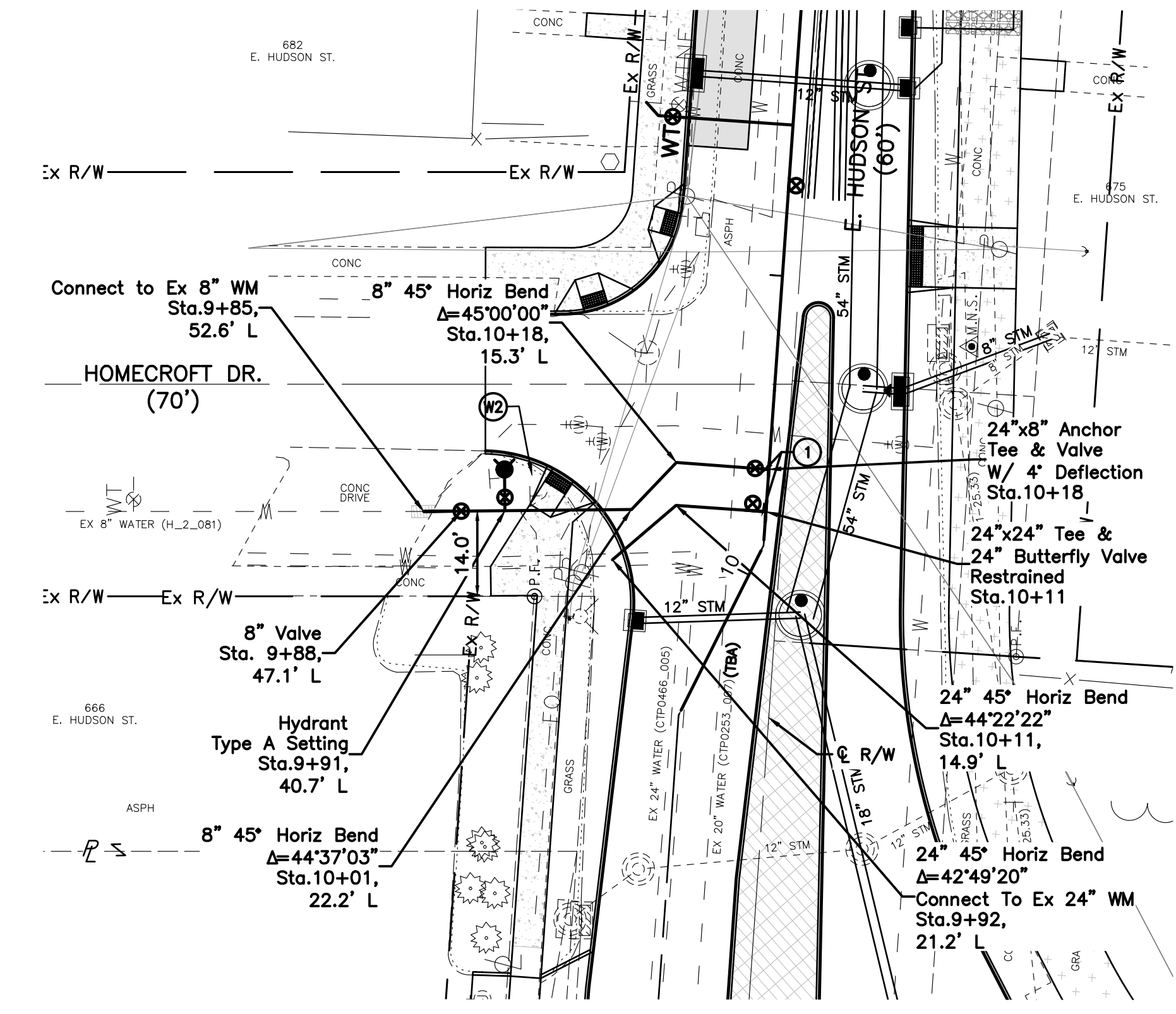
**HOMECROFT DRIVE AT  
STA. 10+11 E. HUDSON STREET**

**CODED NOTES:**

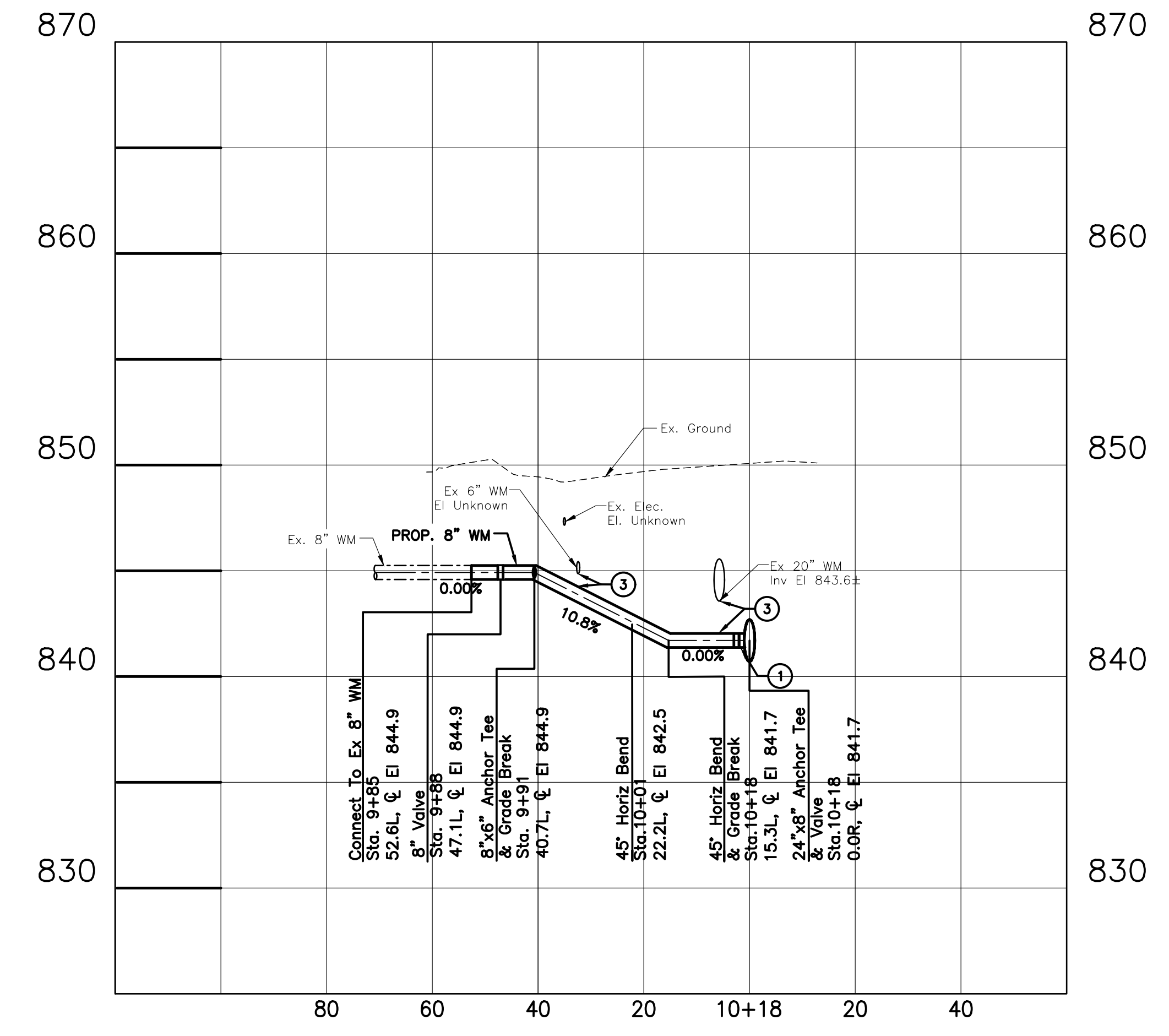
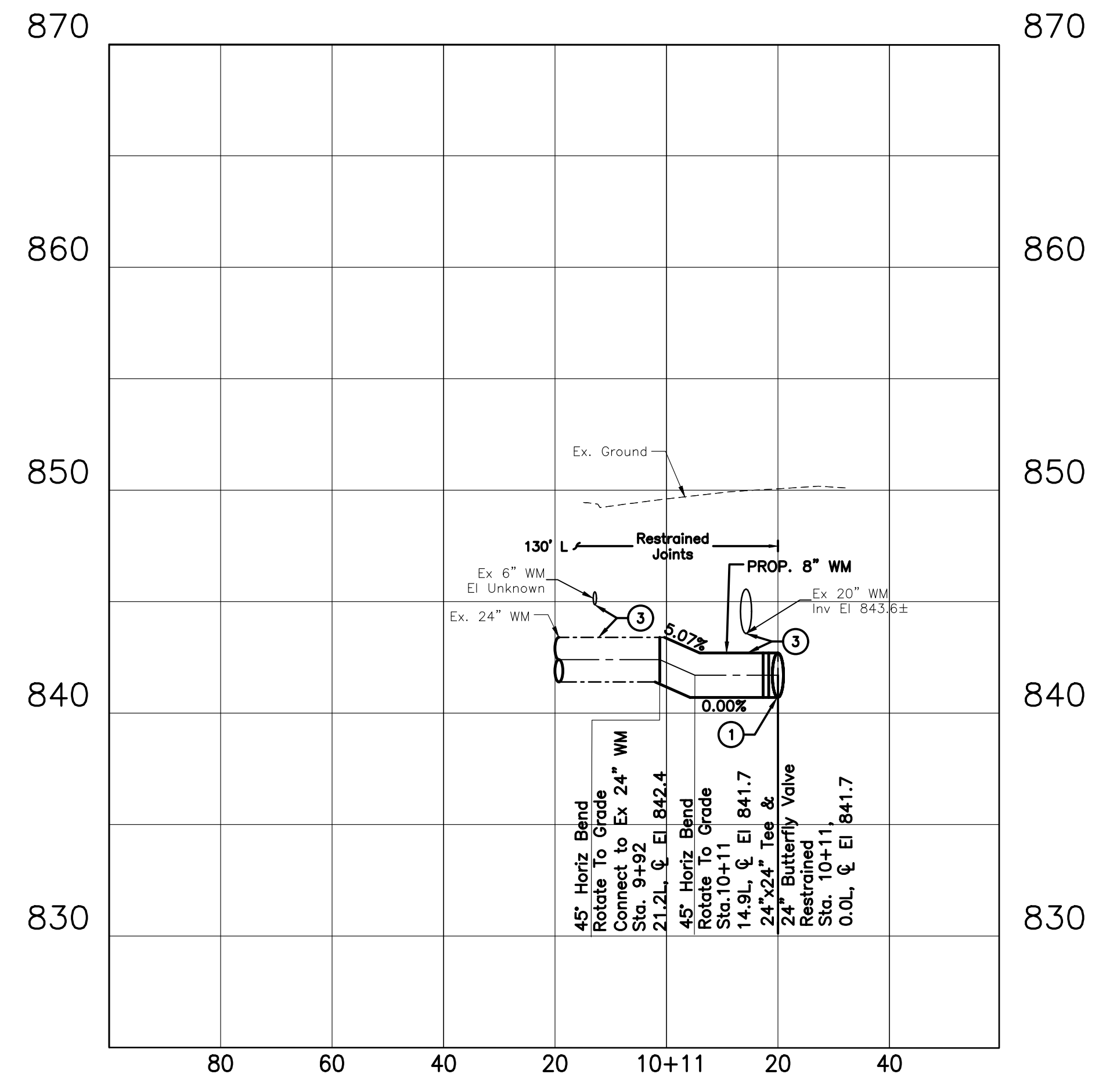
- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.

**GENERAL NOTES:**

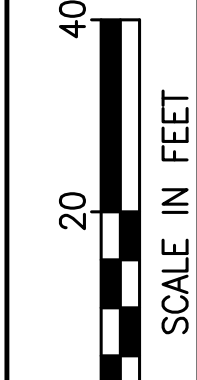
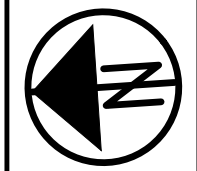
1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.



**HOMECROFT DRIVE AT  
STA. 10+18 E. HUDSON STREET**



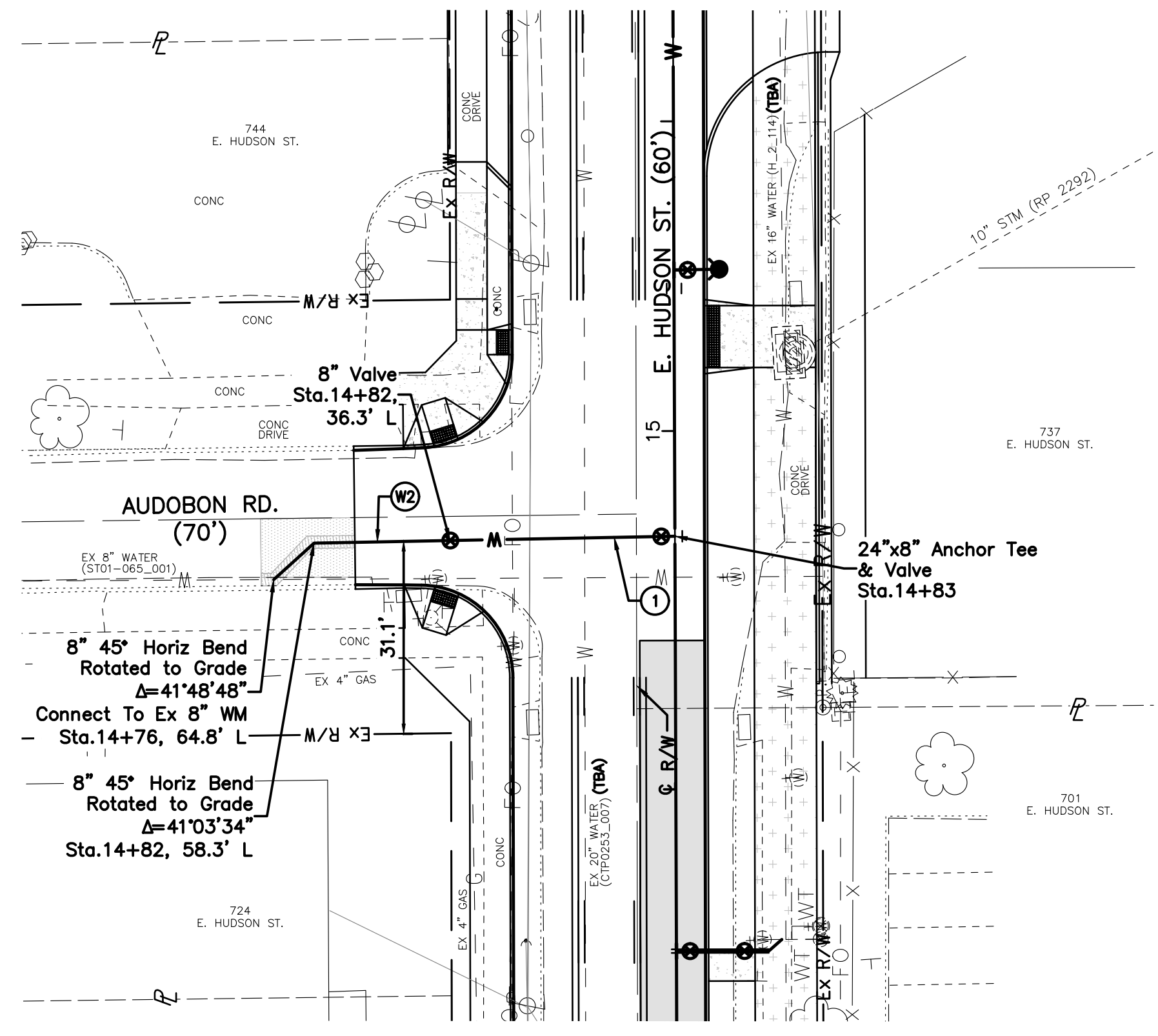
SUBMITTAL DATE: 6/3/2021



CALCULATED  
MAC  
CHECKED  
LAM

**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

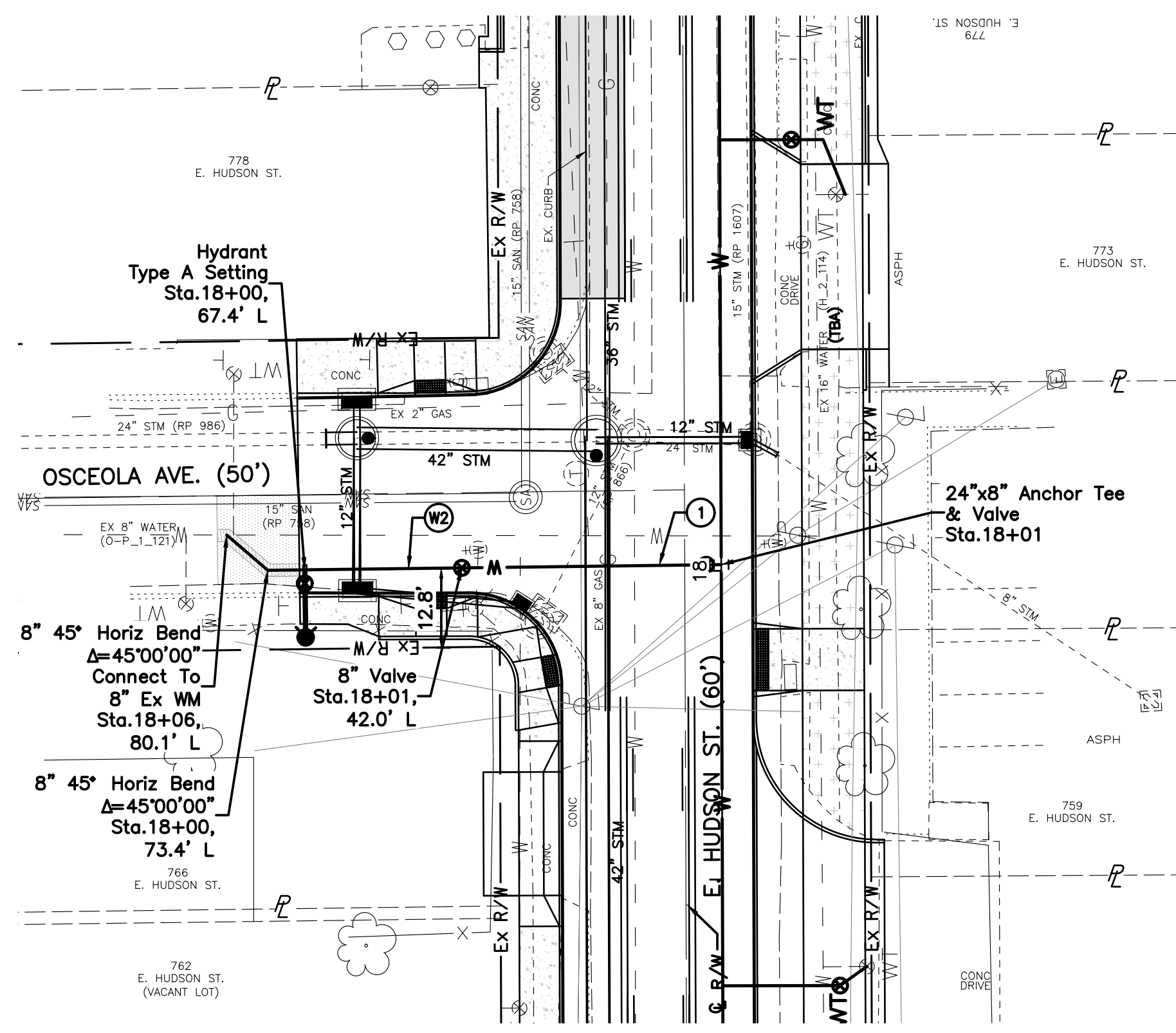
**HUDSON ST**



**AUDOBON ROAD AT  
STA. 14+83 E. HUDSON STREET**

**CODED NOTES:**

- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.

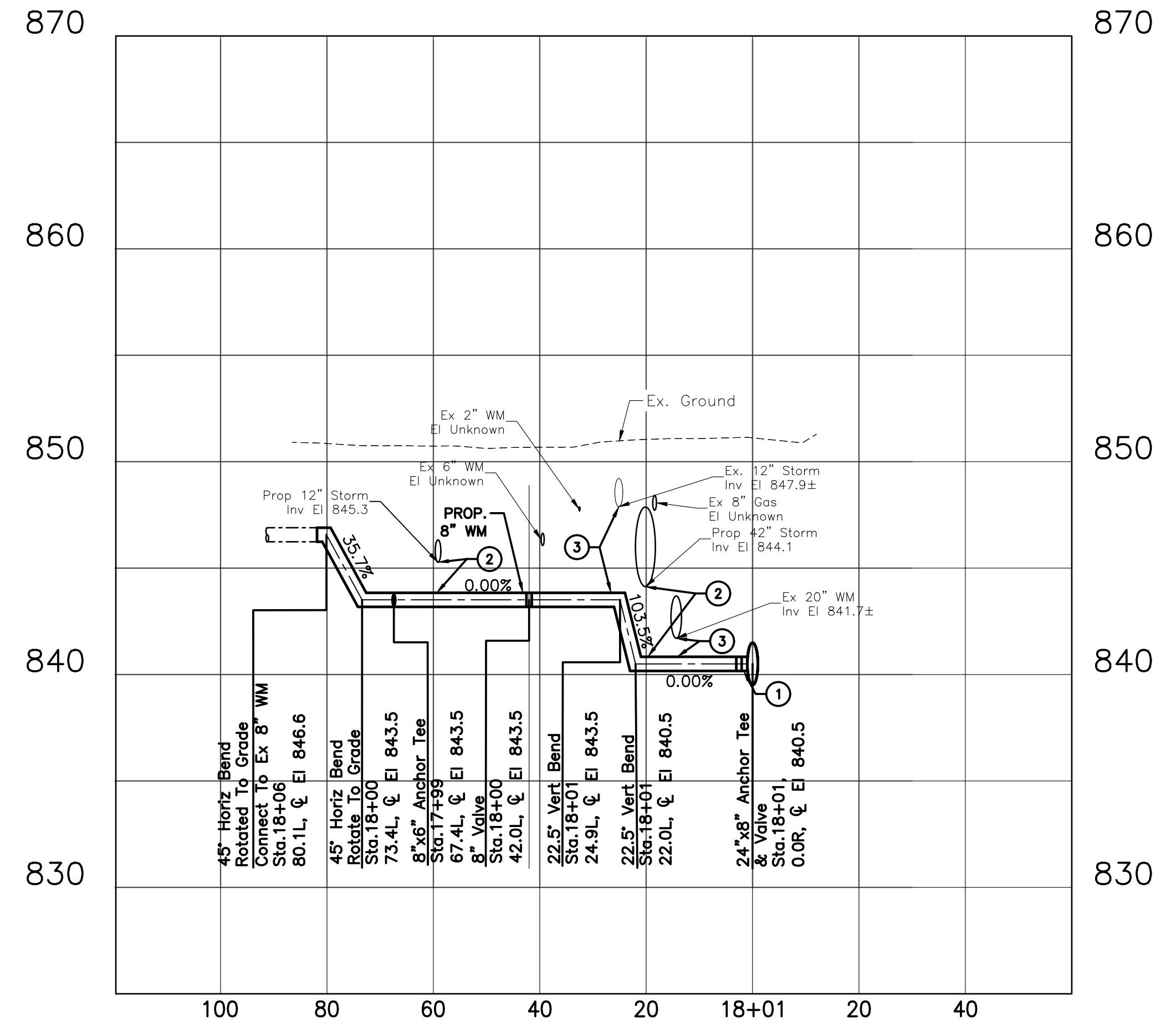
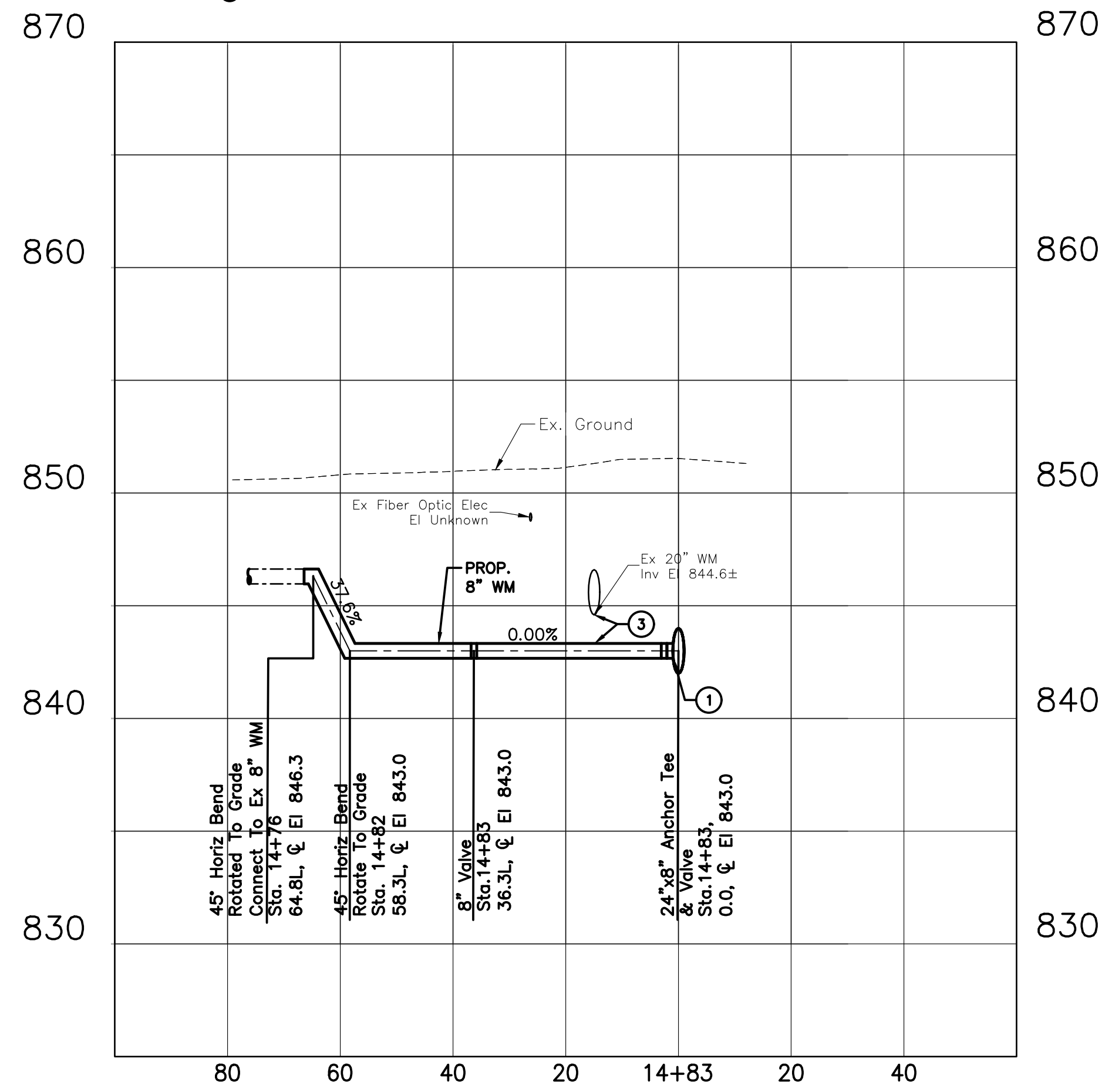


**OSCEOLA AVENUE AT  
STA. 18+01 E. HUDSON STREET**

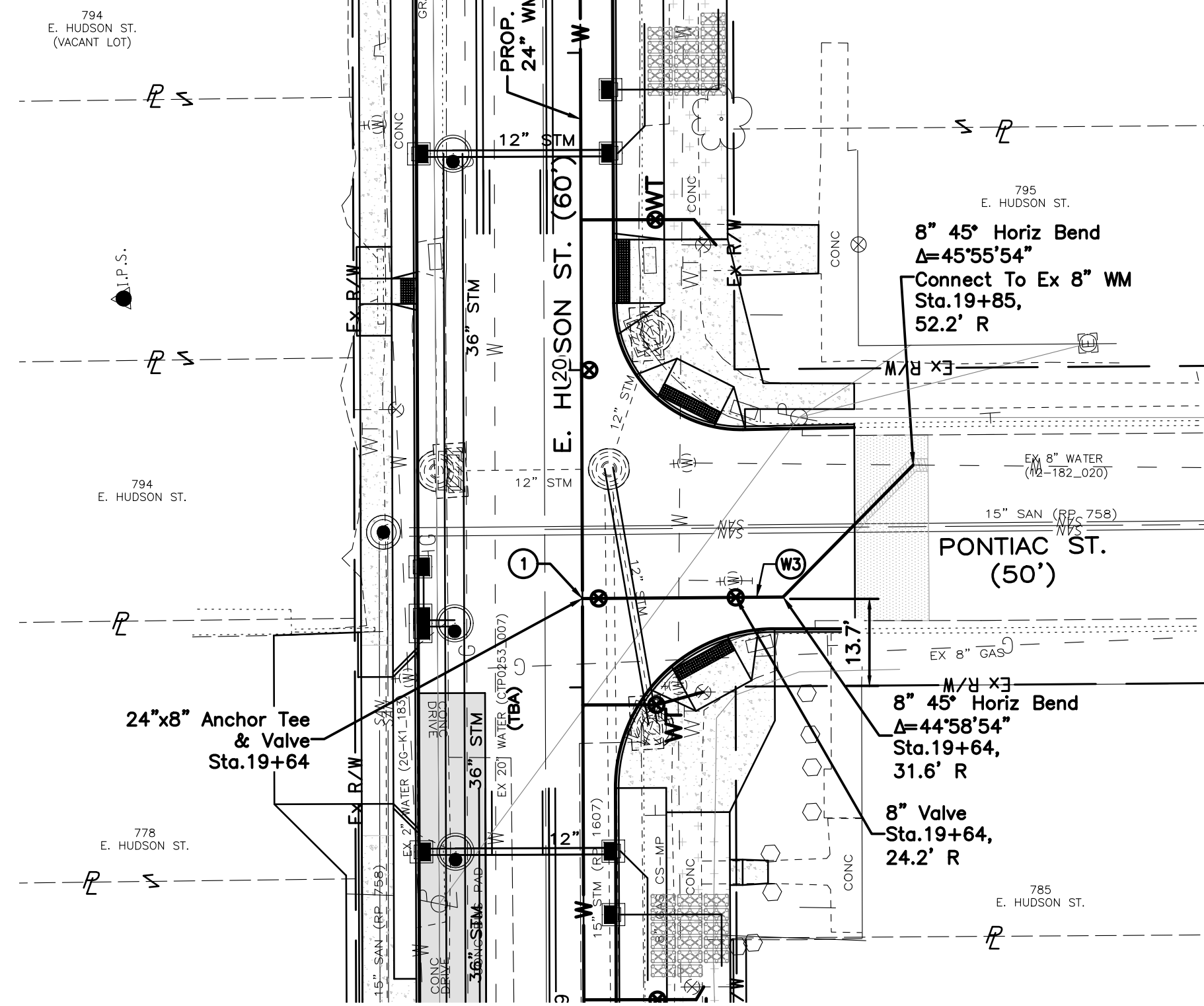
**GENERAL NOTES:**

- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.

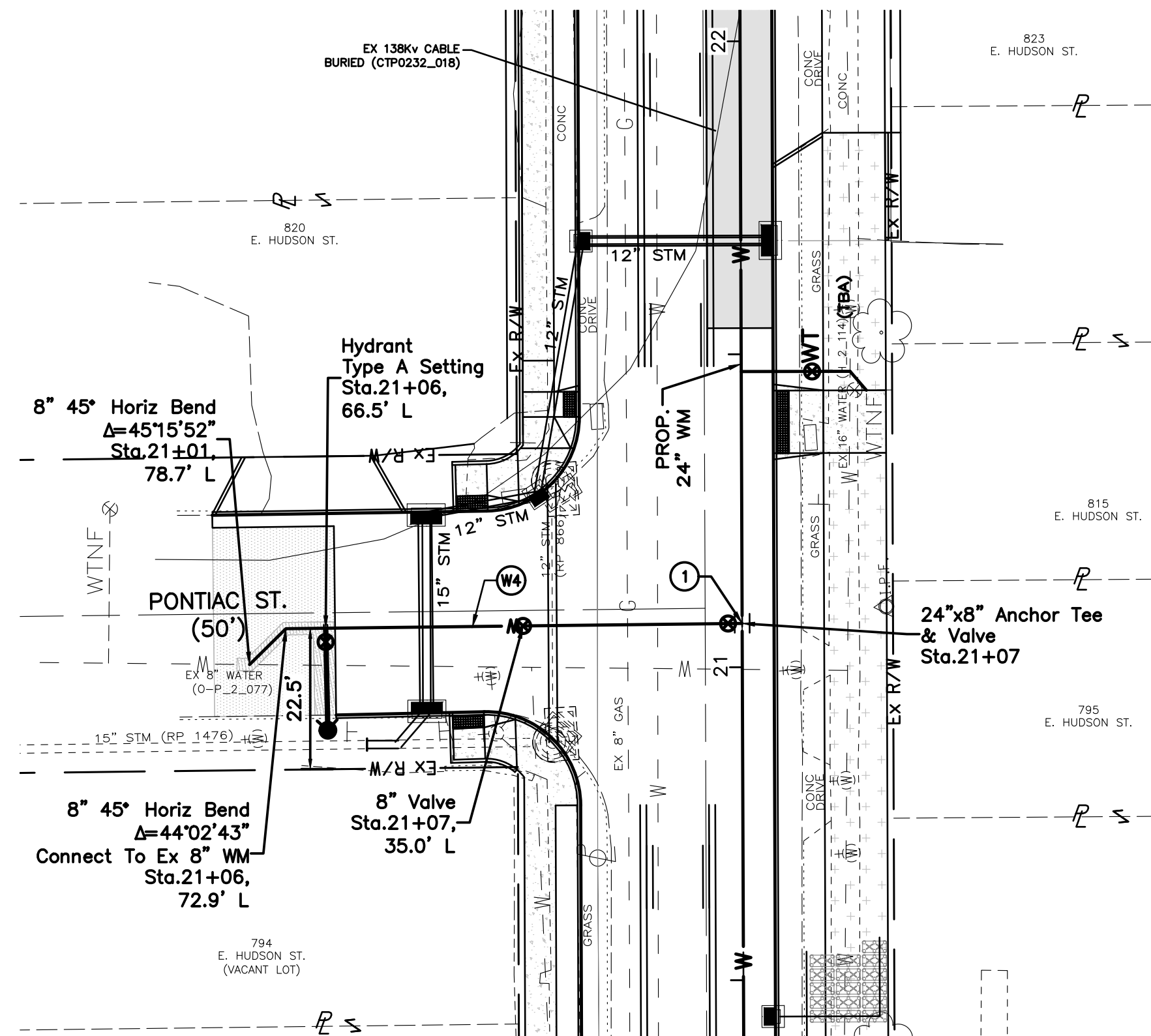
SUBMITTAL DATE: 6/16/2021



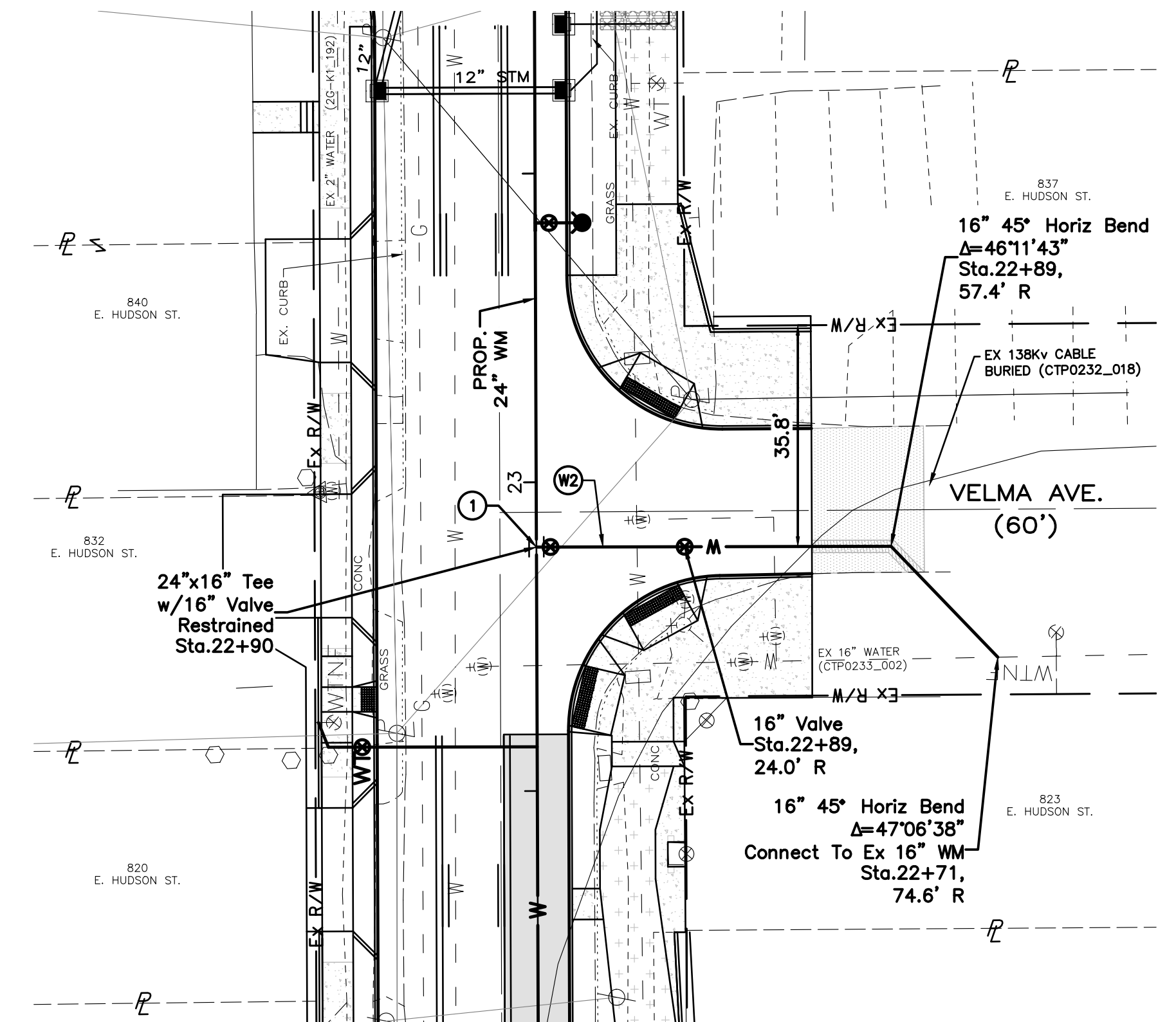
2.9 L



PONTIAC STREET (SOUTH) AT STA. 19+64 E. HUDSON STREET



PONTIAC STREET (NORTH) AT STA. 21+07 E. HUDSON STREET



VELMA AVENUE AT STA. 22+90 E. HUDSON STREET

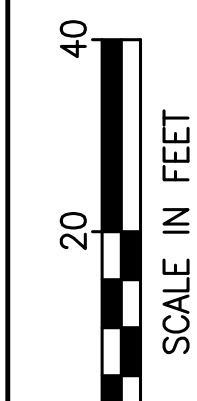
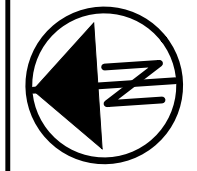
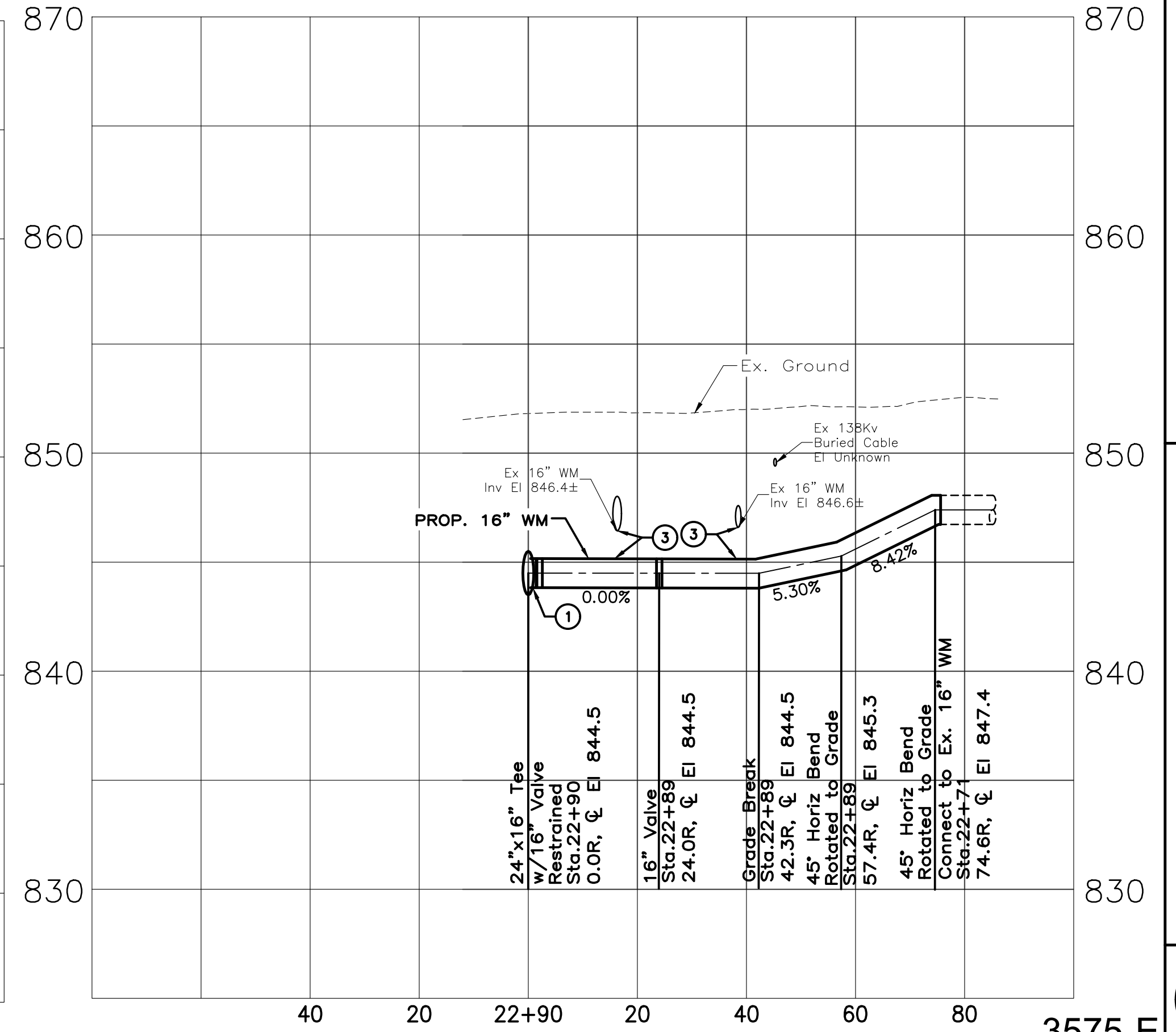
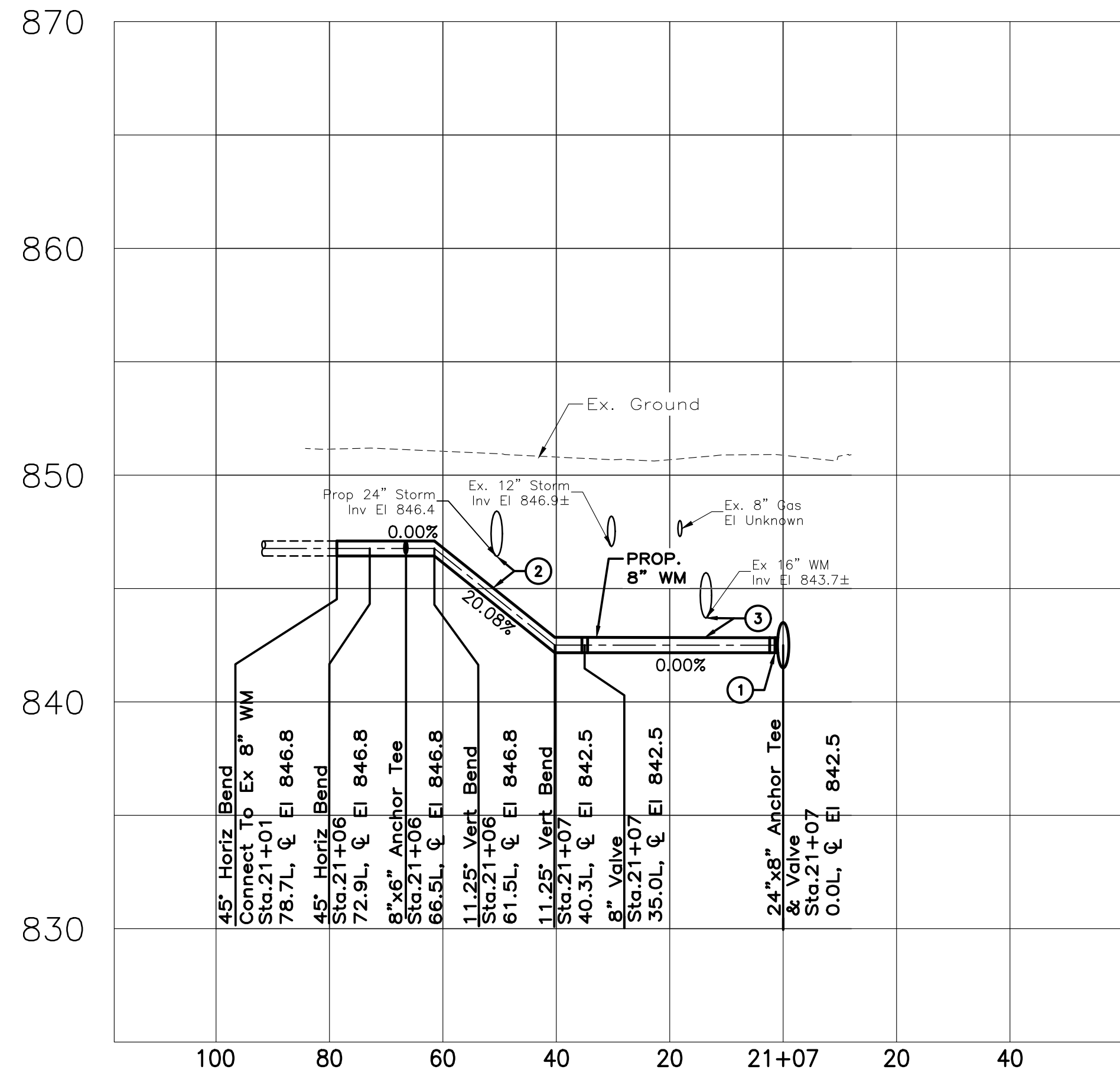
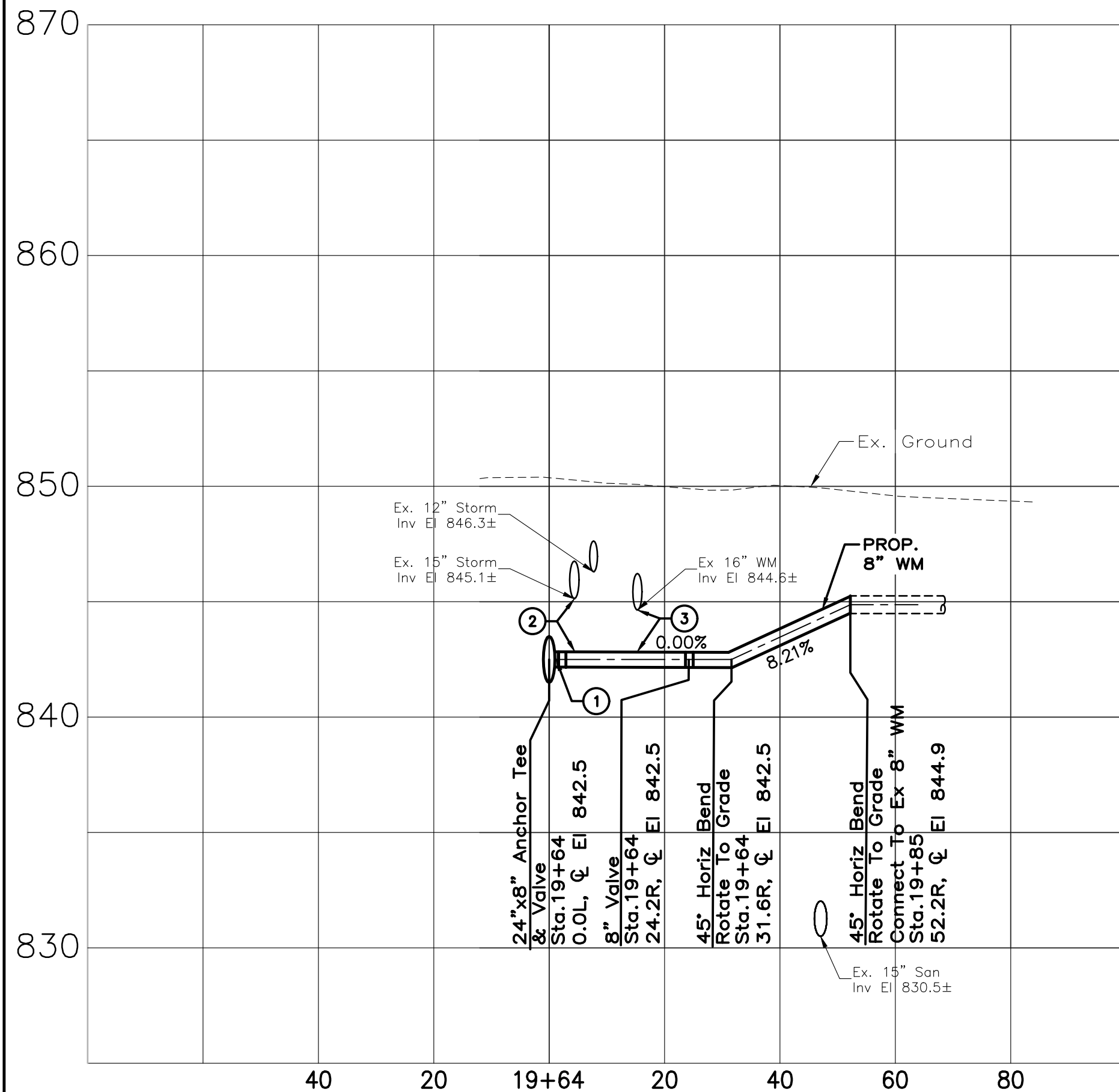
**CODED NOTES:**

- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.

**GENERAL NOTES:**

- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.

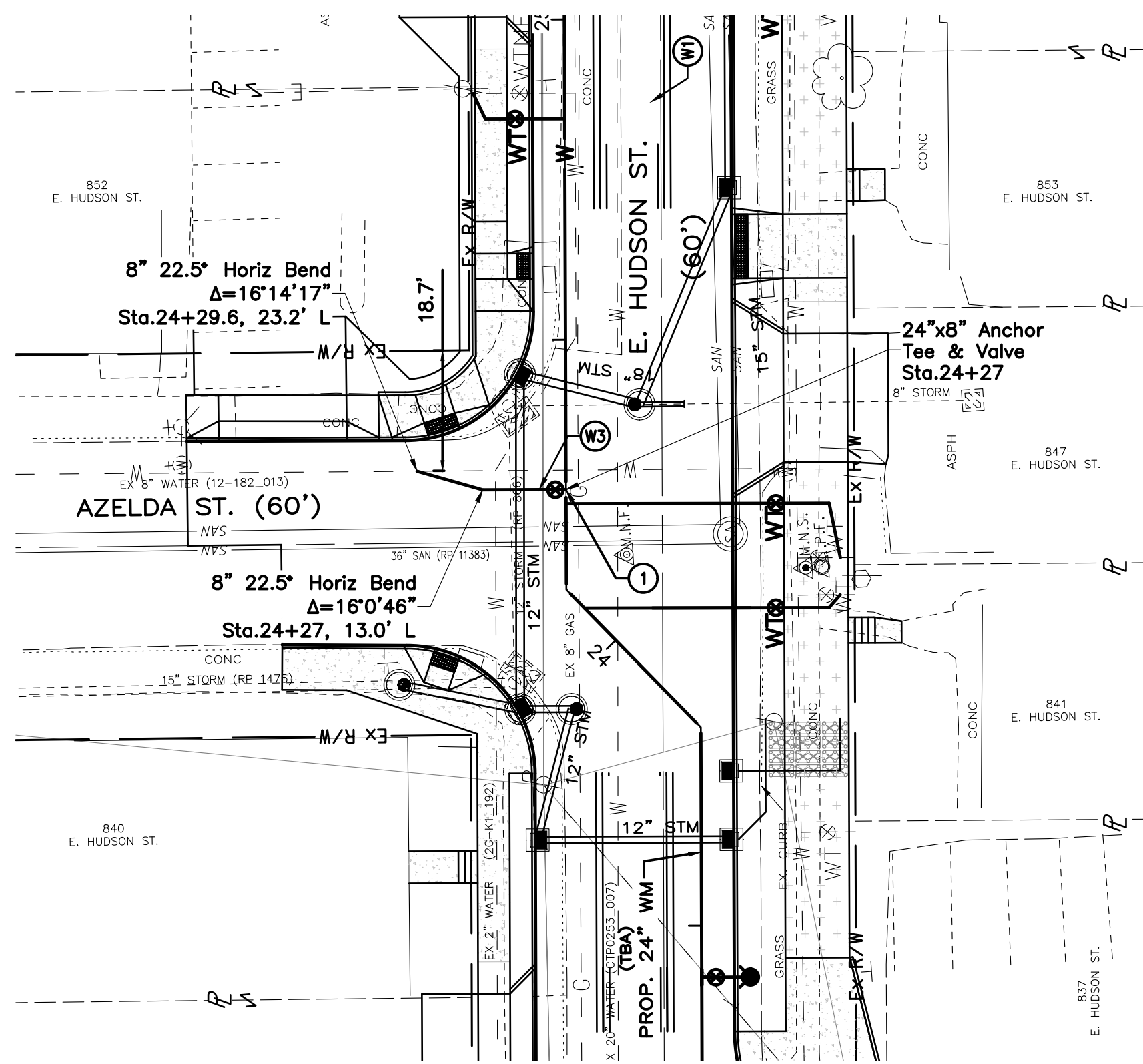
SUBMITTAL DATE: 6/16/2021



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**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

**HUDSON ST**



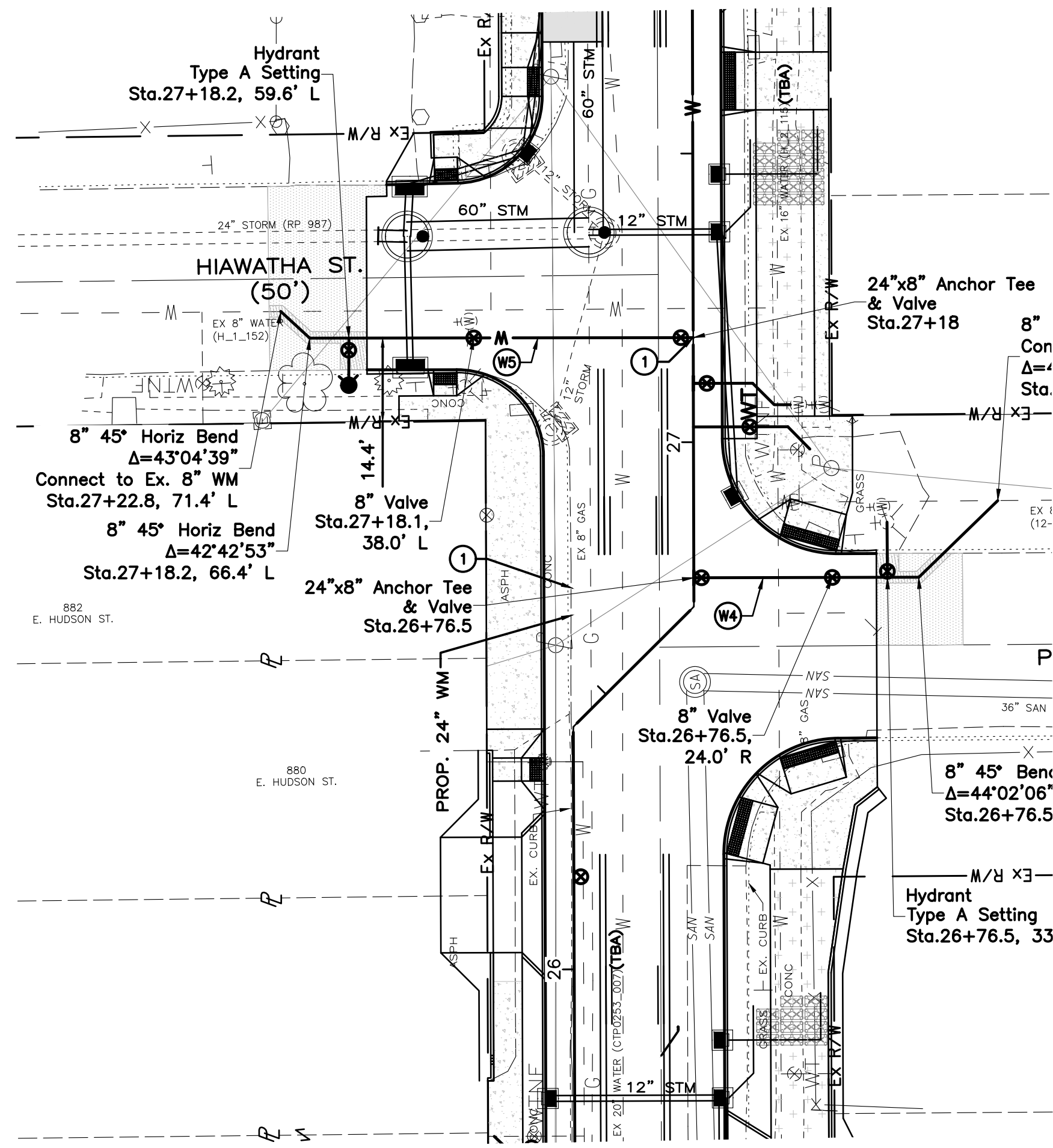
**AZELDA STREET AT  
STA. 24+27 E. HUDSON STREET**

**CODED NOTES:**

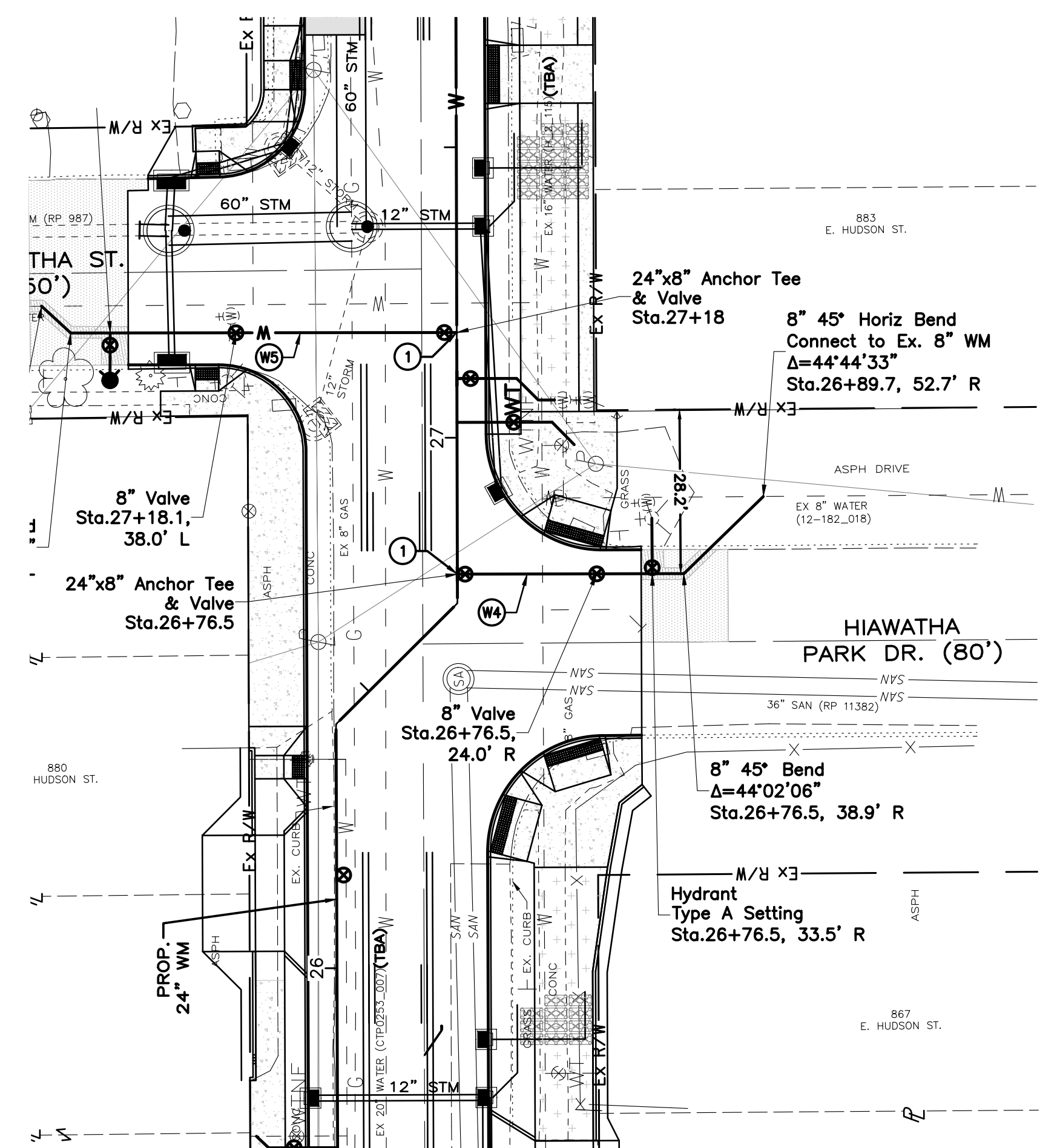
- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.

**GENERAL NOTES:**

- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.

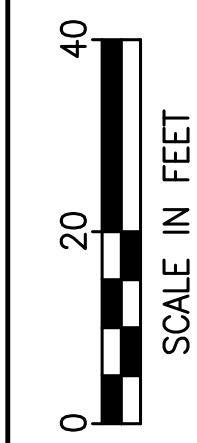
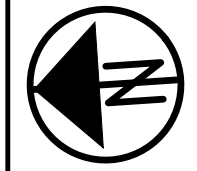
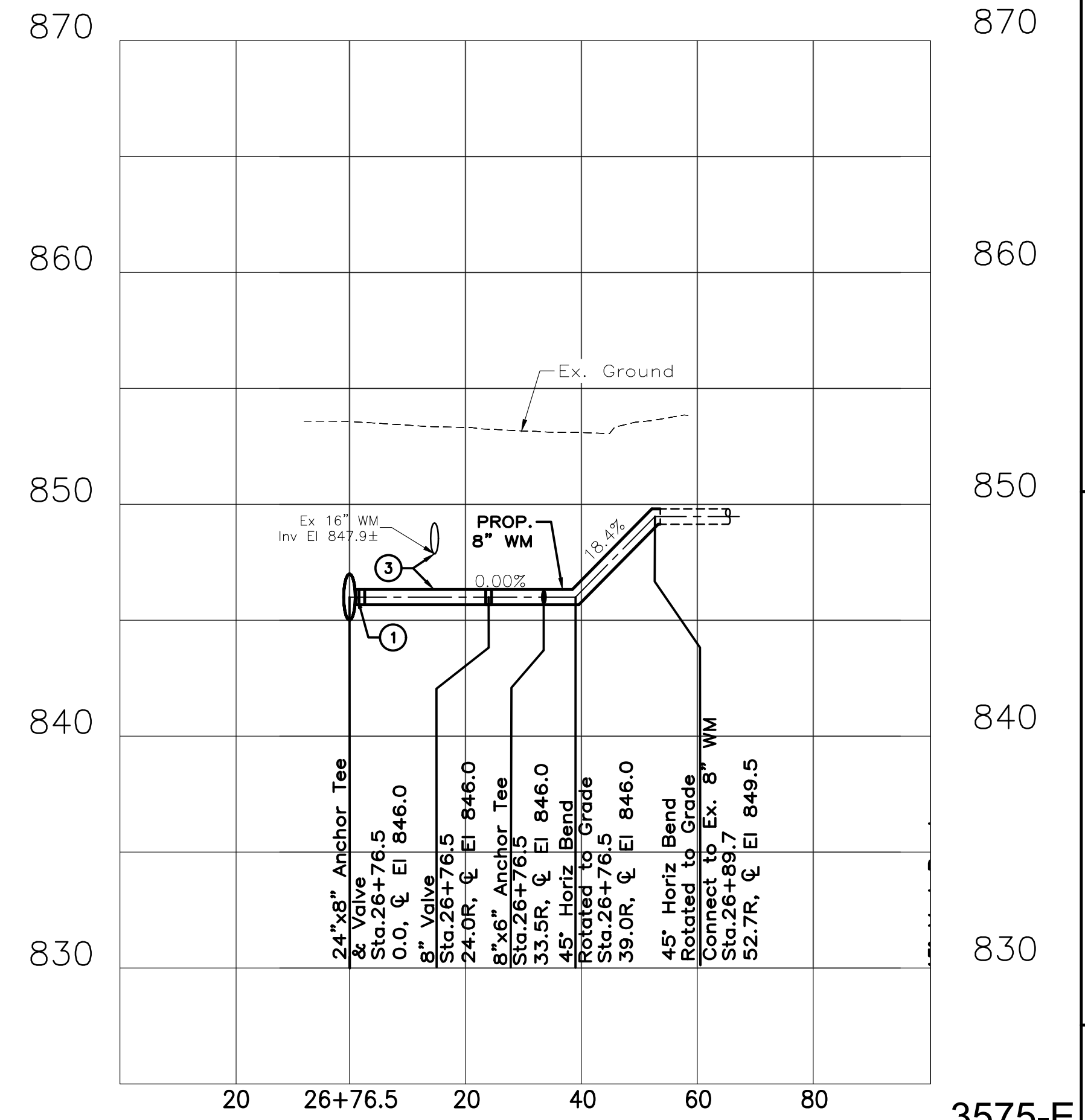
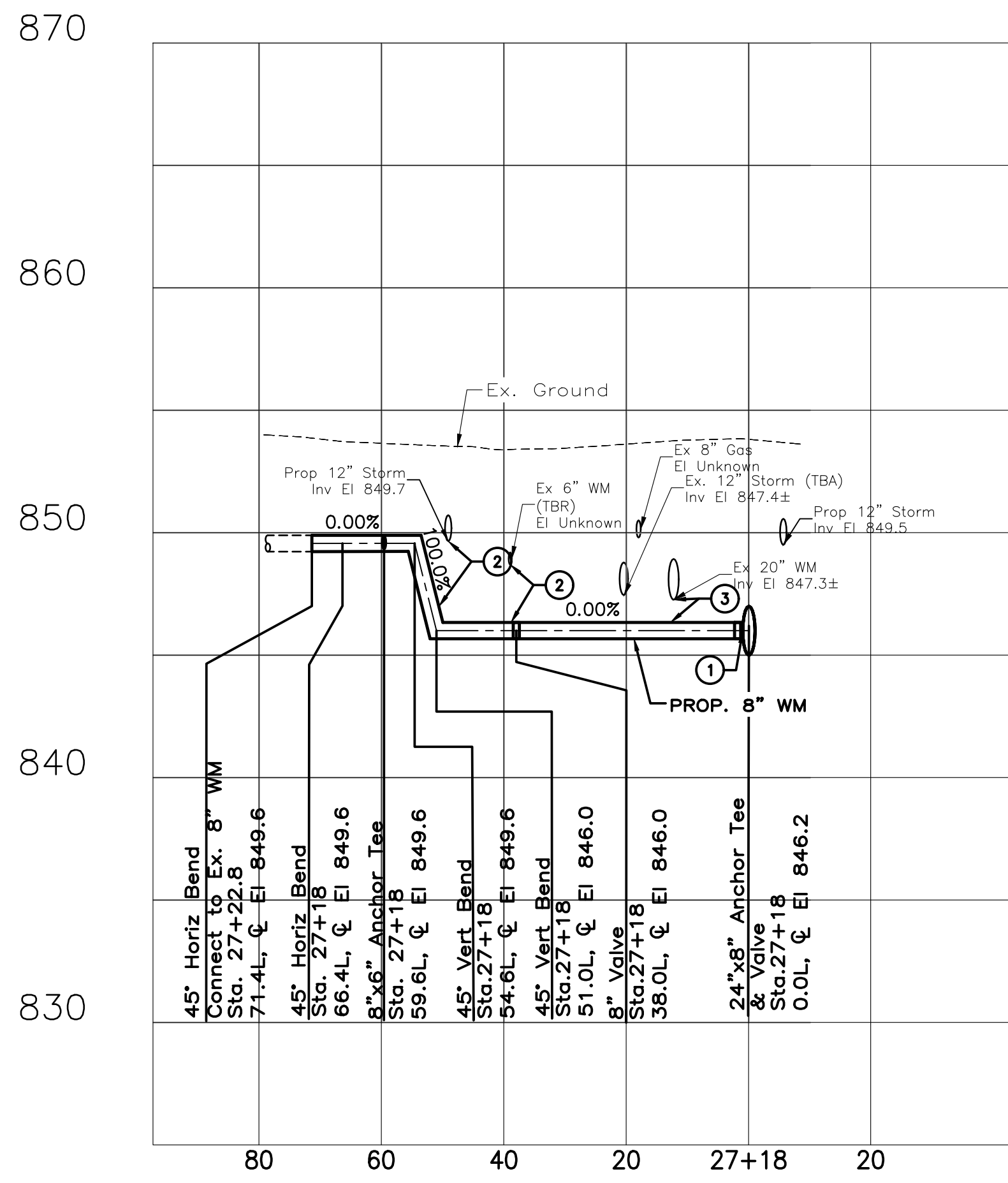
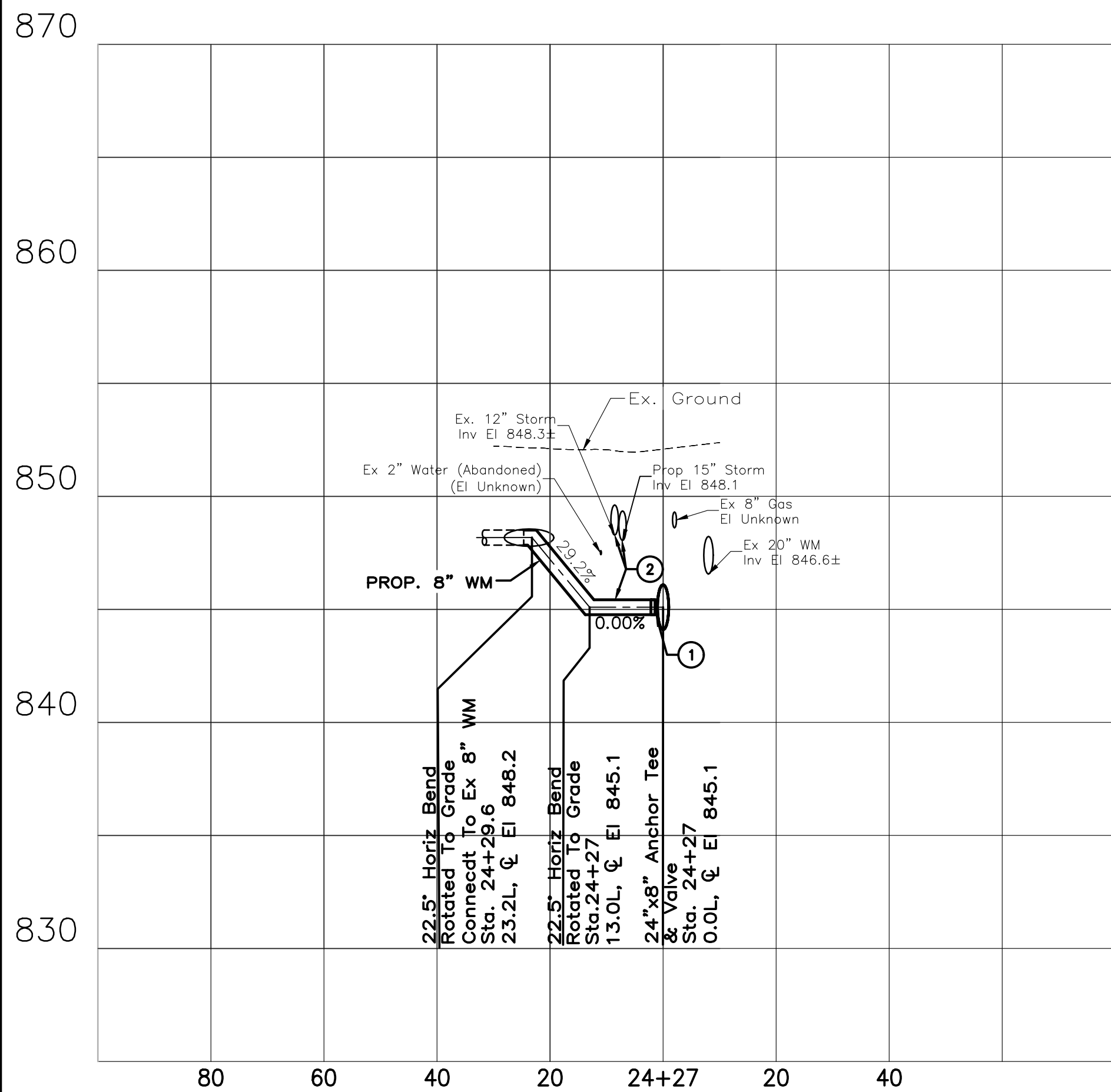


**HIAWATHA STREET (NORTH) AT  
STA. 27+18 E. HUDSON STREET**



**HIAWATHA PARK DRIVE (SOUTH) AT  
STA. 26+76.5 E. HUDSON STREET**

SUBMITTAL DATE: 6/16/2021



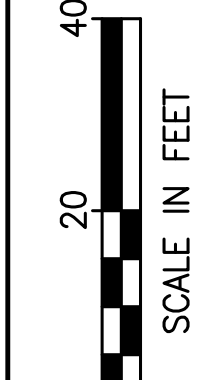
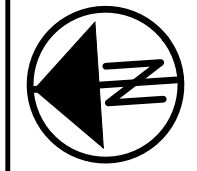
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**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

**HUDSON ST**

3575-E

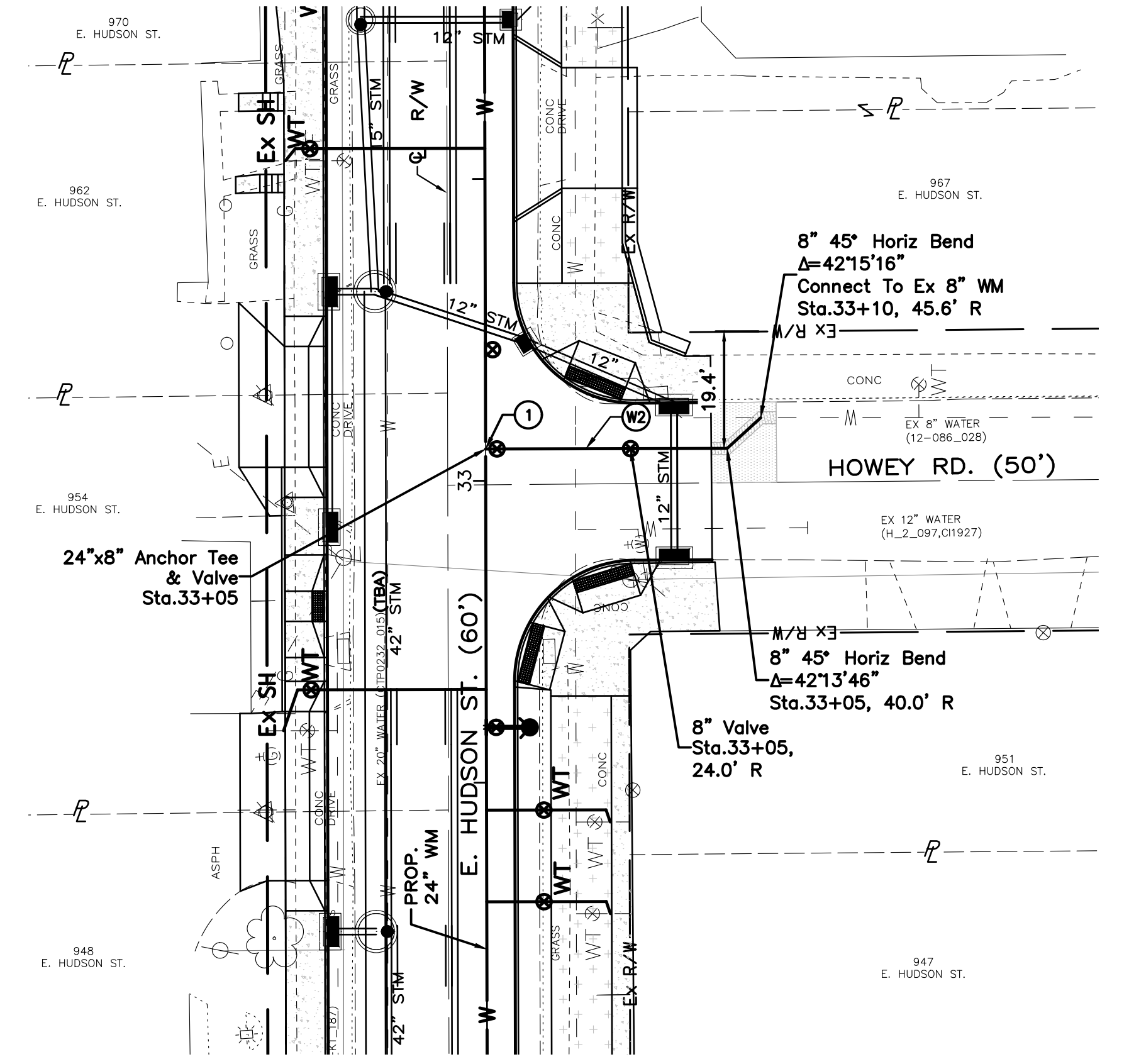




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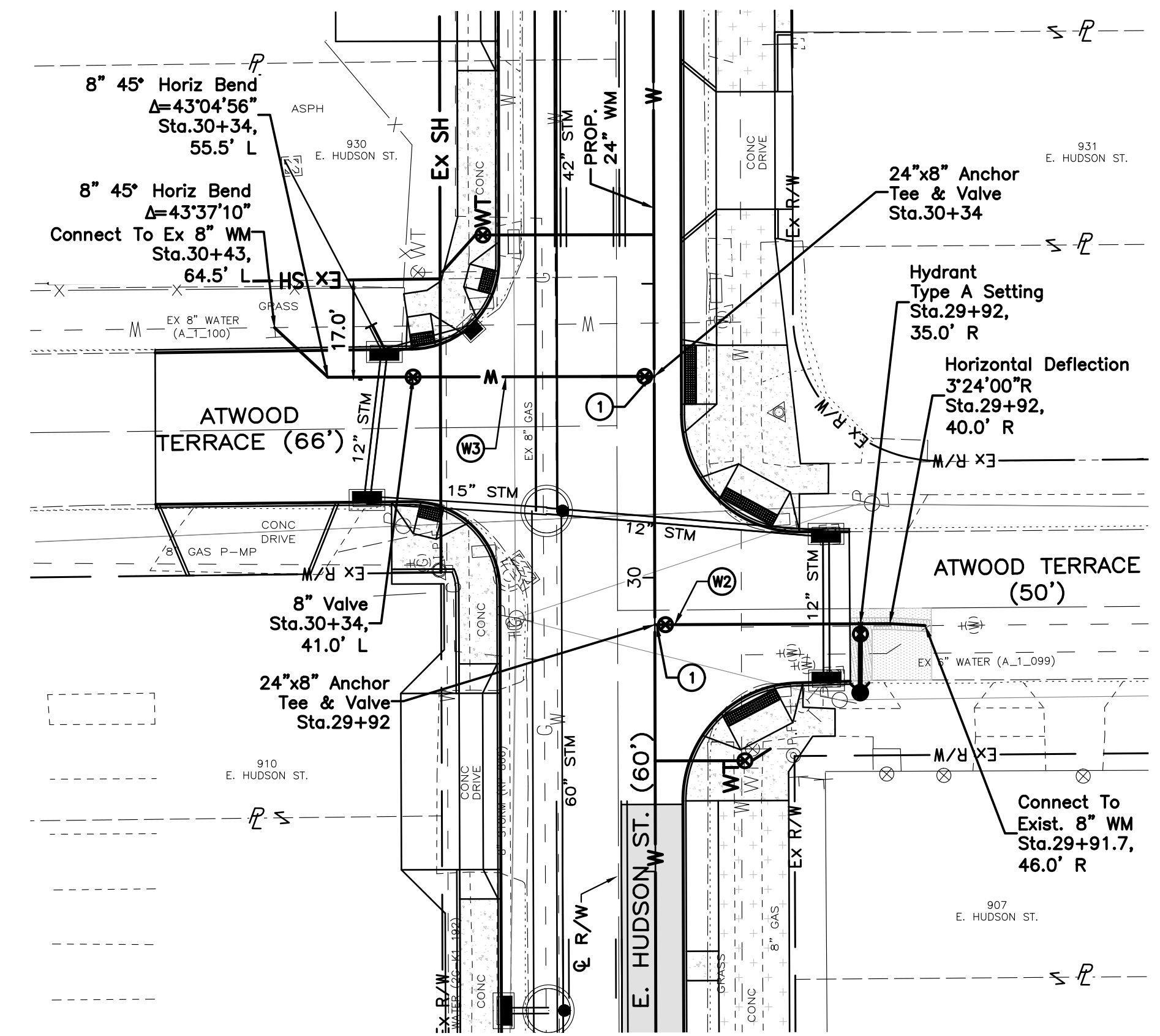
**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

**HUDSON ST**



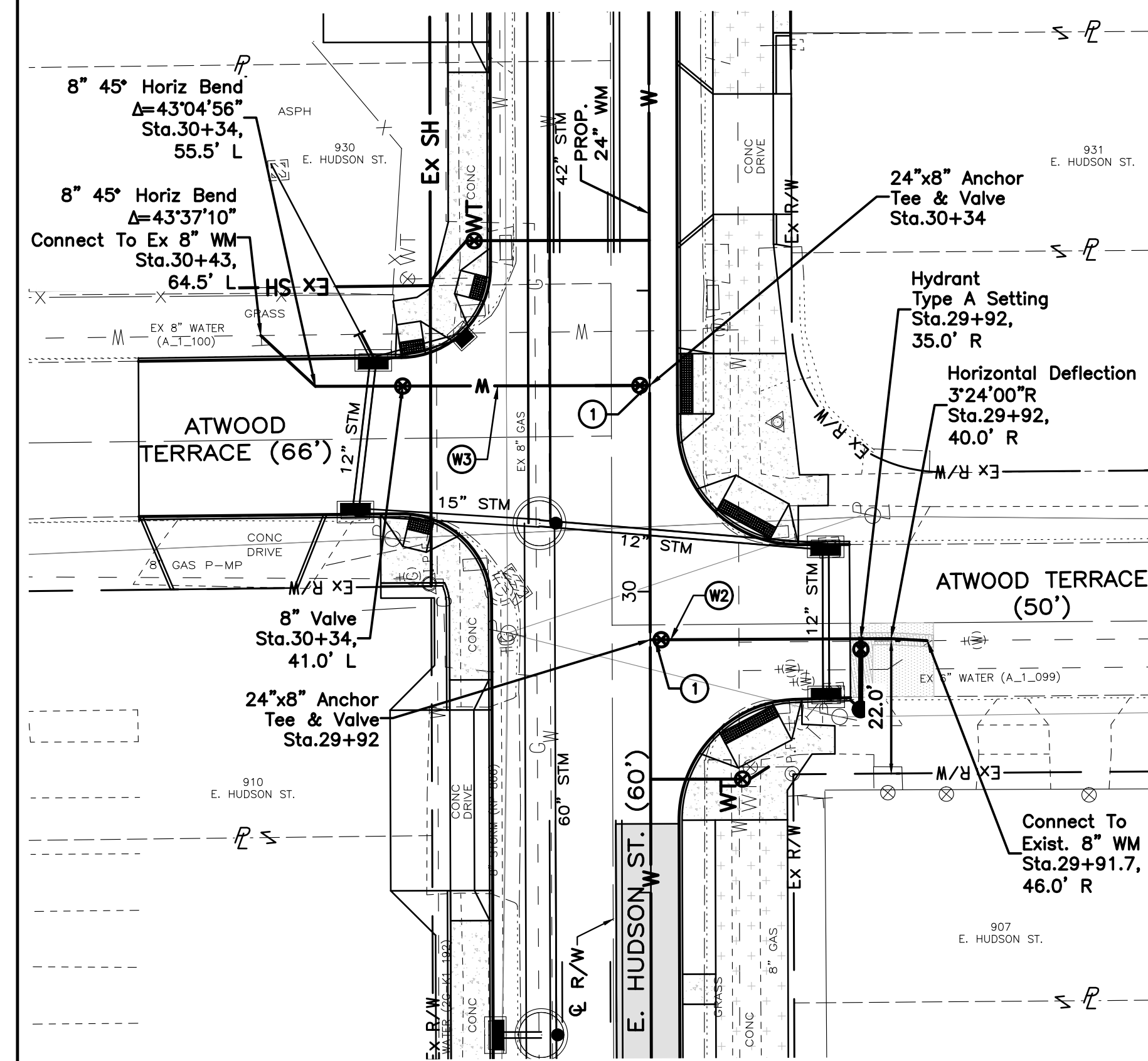
**HOWEY ROAD AT  
STA. 33+05 E. HUDSON STREET**

- GENERAL NOTES:**
- CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
  - CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.

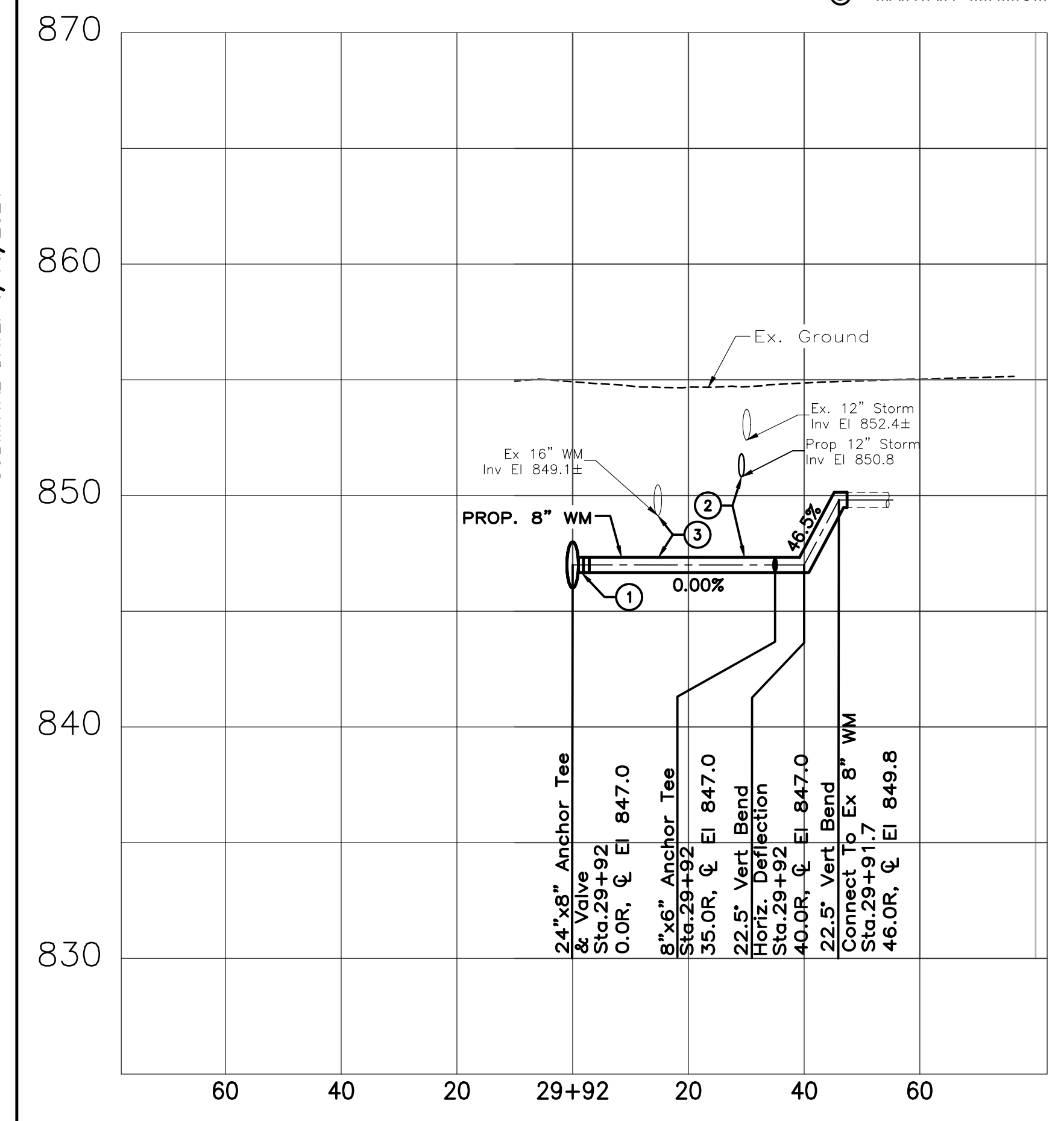
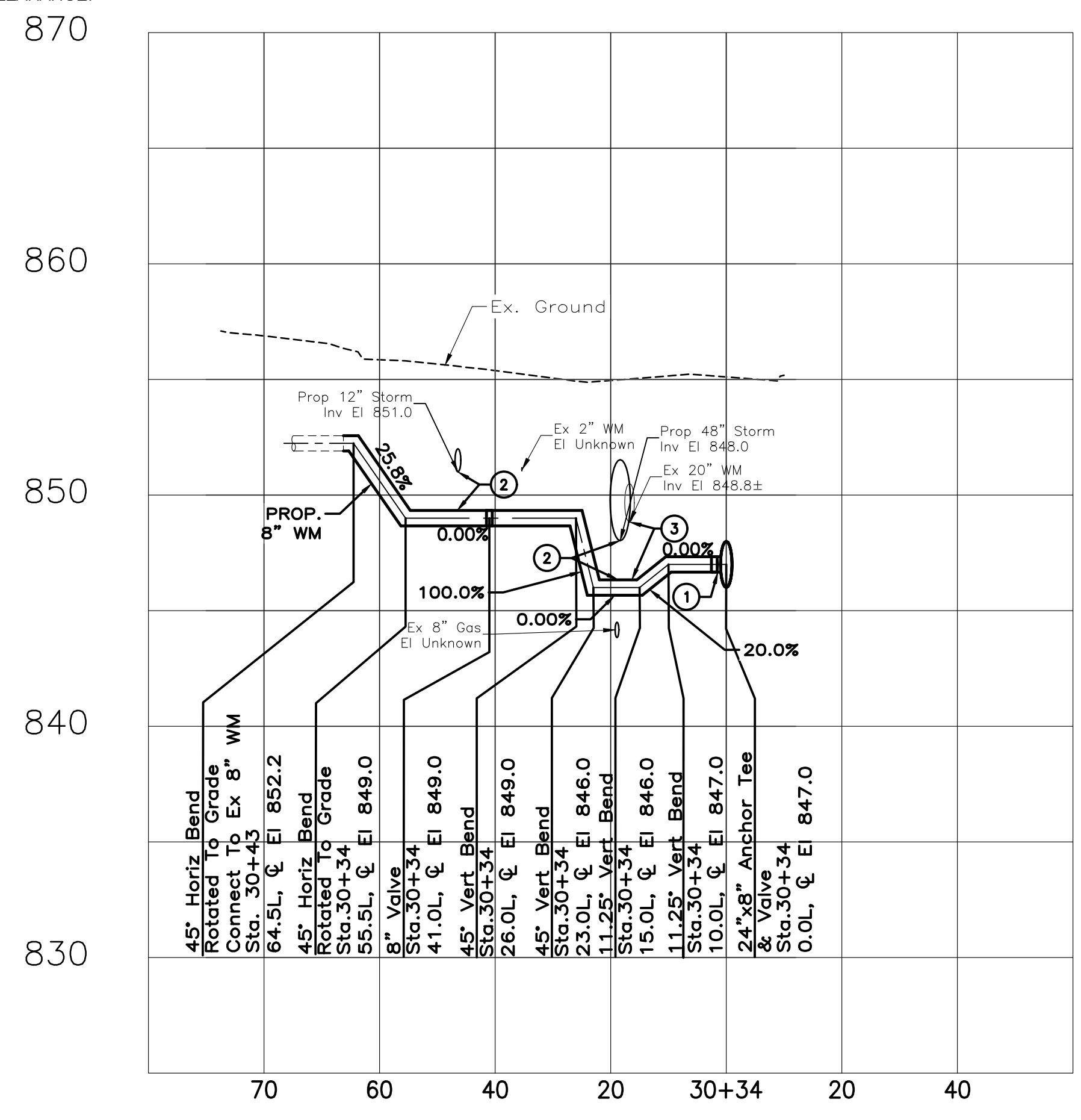
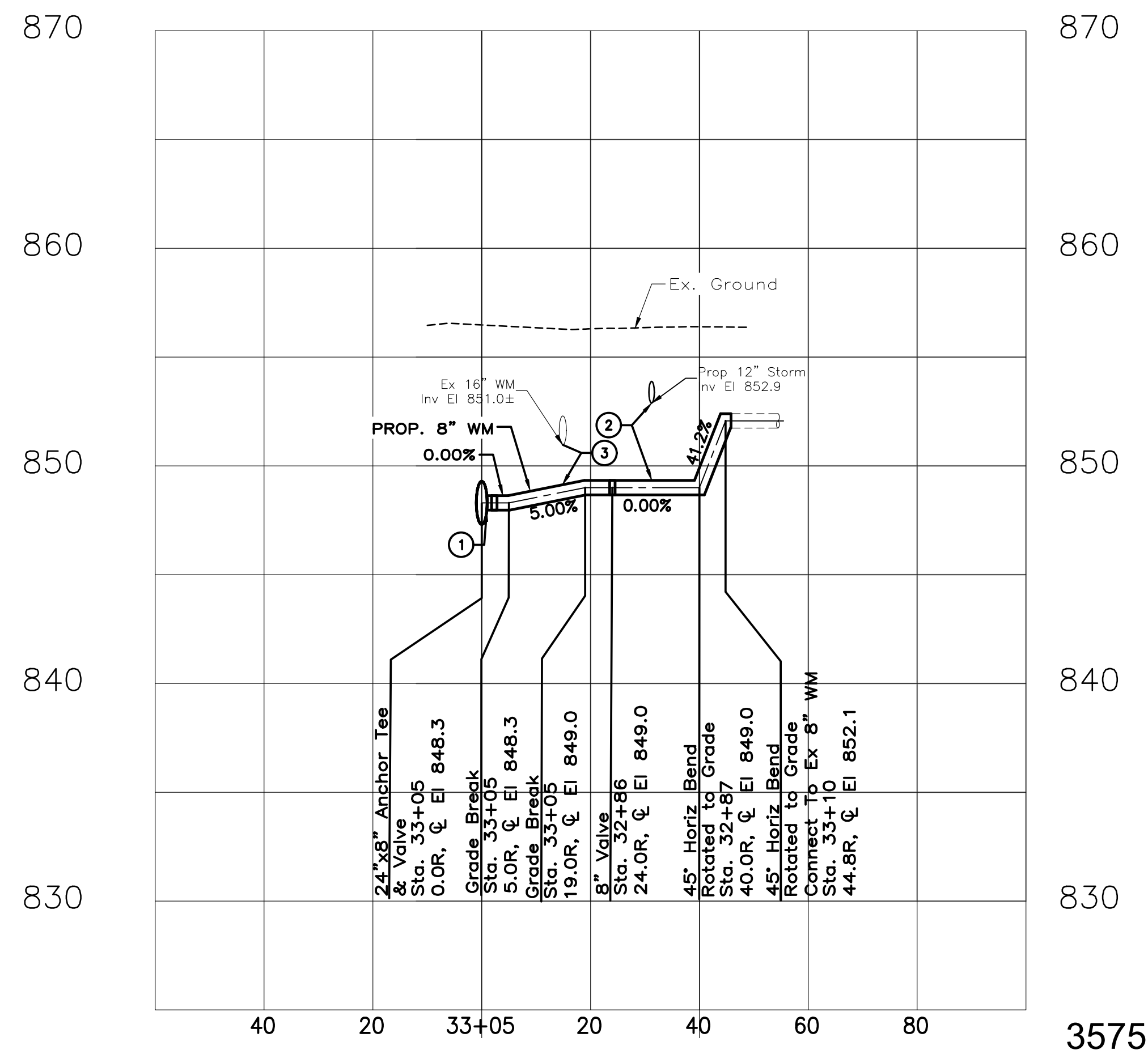


**ATWOOD TERRACE (NORTH) AT  
STA. 30+34 E. HUDSON STREET**

- CODED NOTES:**
- CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
  - MAINTAIN MINIMUM 18" CLEARANCE.
  - MAINTAIN MINIMUM 12" CLEARANCE.

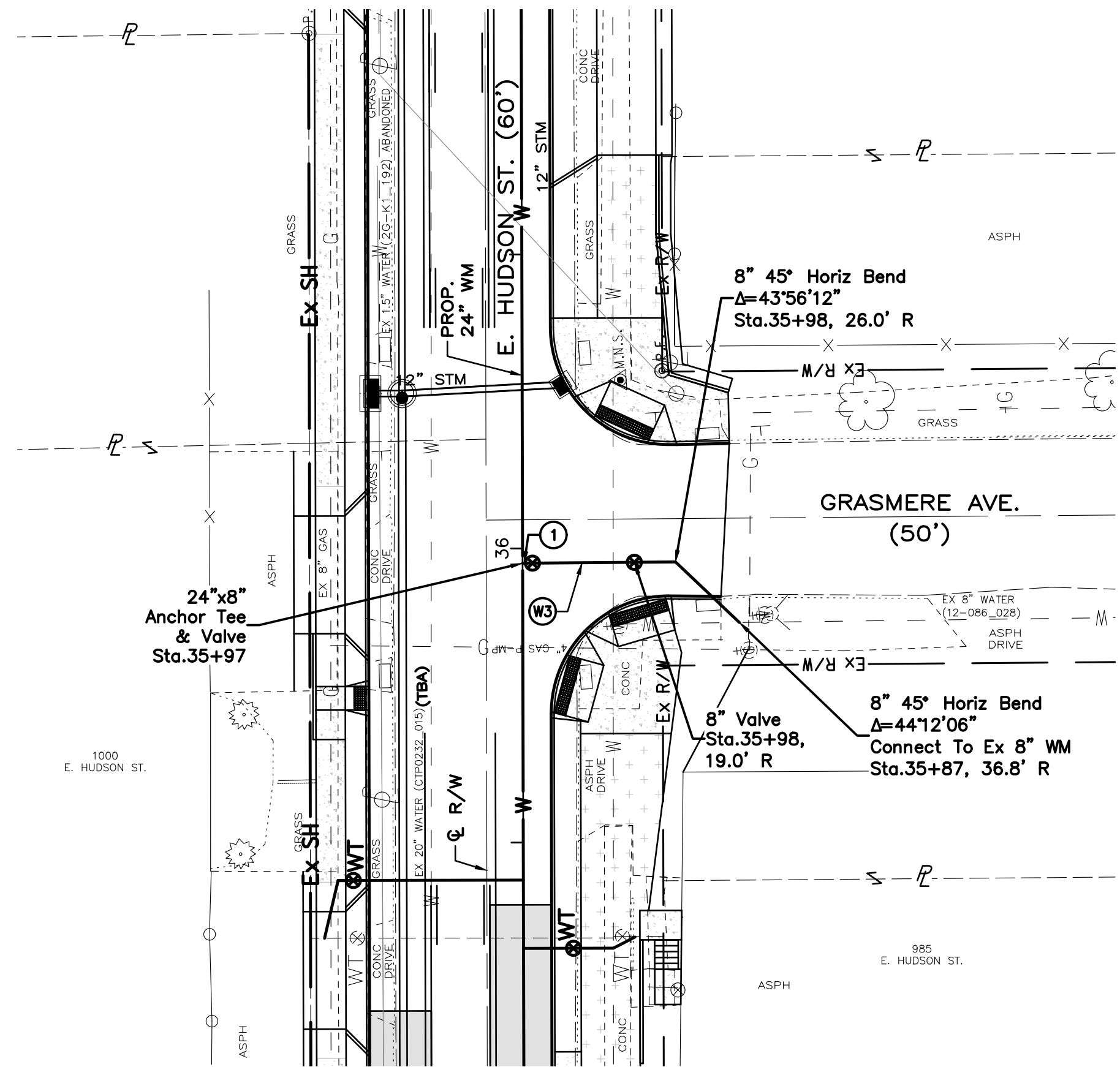


**ATWOOD TERRACE (SOUTH) AT  
STA. 29+92 E. HUDSON STREET**



SUBMITTAL DATE: 6/16/2021

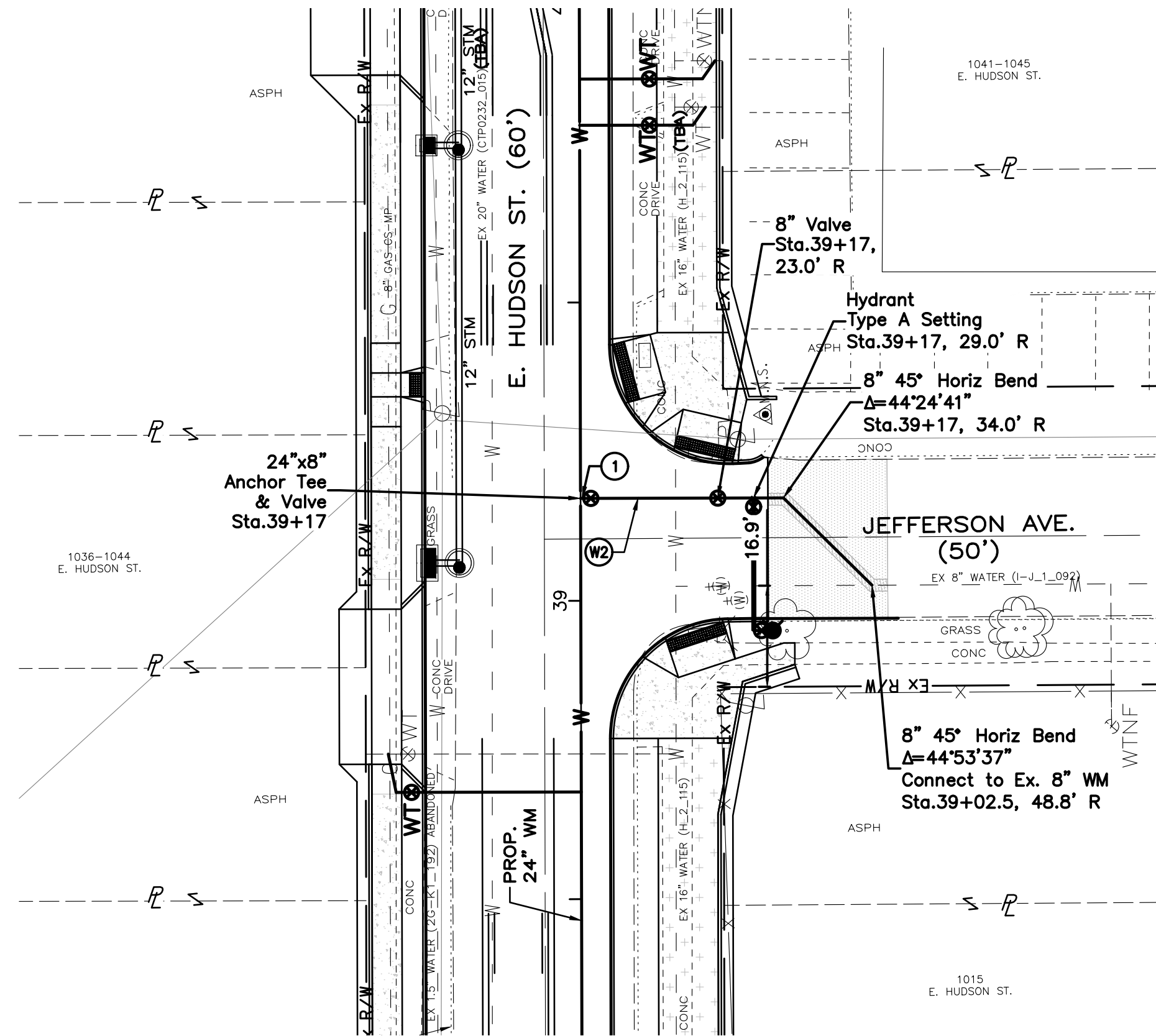
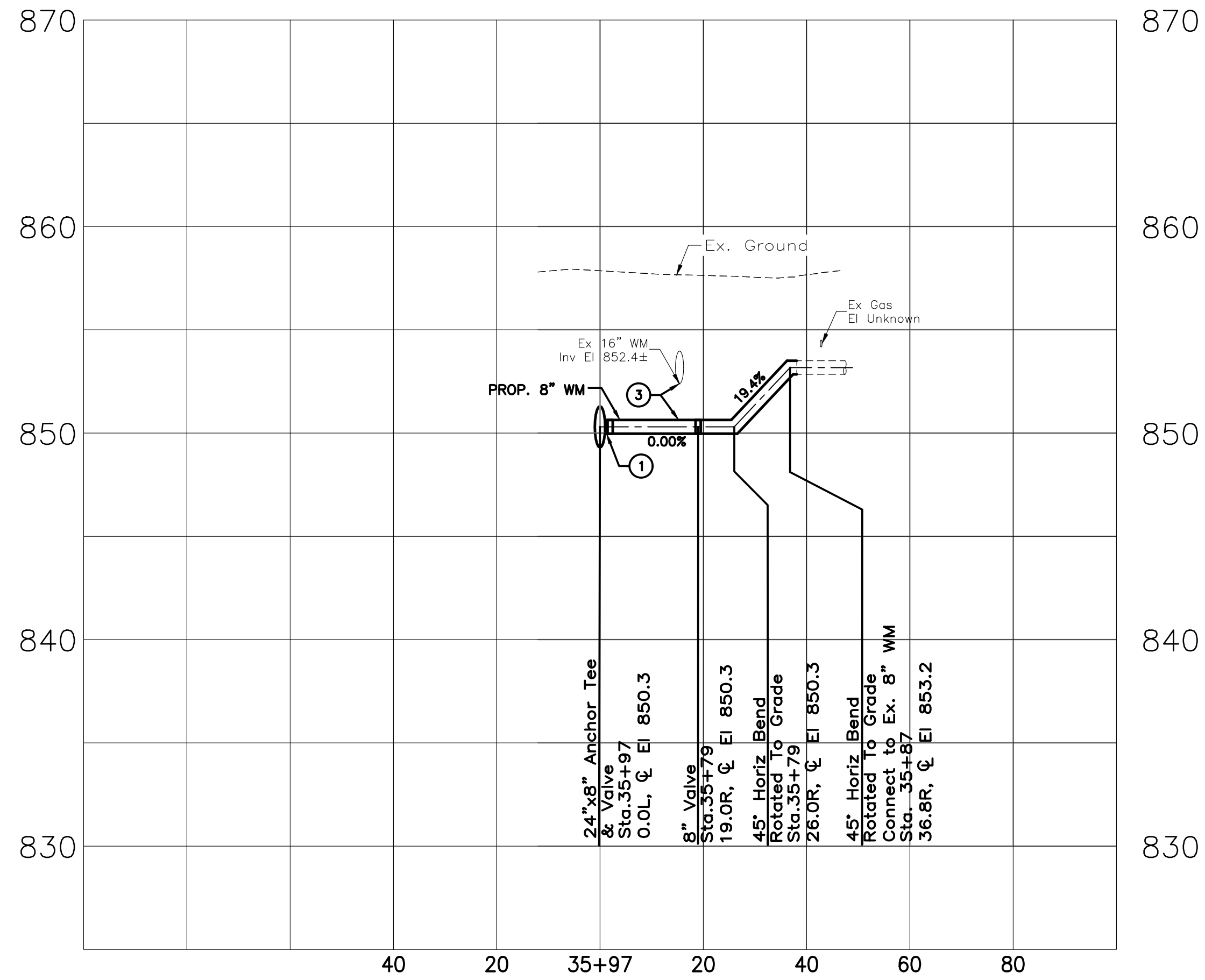
SUBMITTAL DATE: 6/3/2021



**GRASMERE AVENUE AT STA. 35+97 E. HUDSON STREET**

**CODED NOTES:**

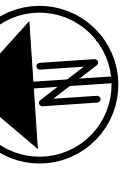
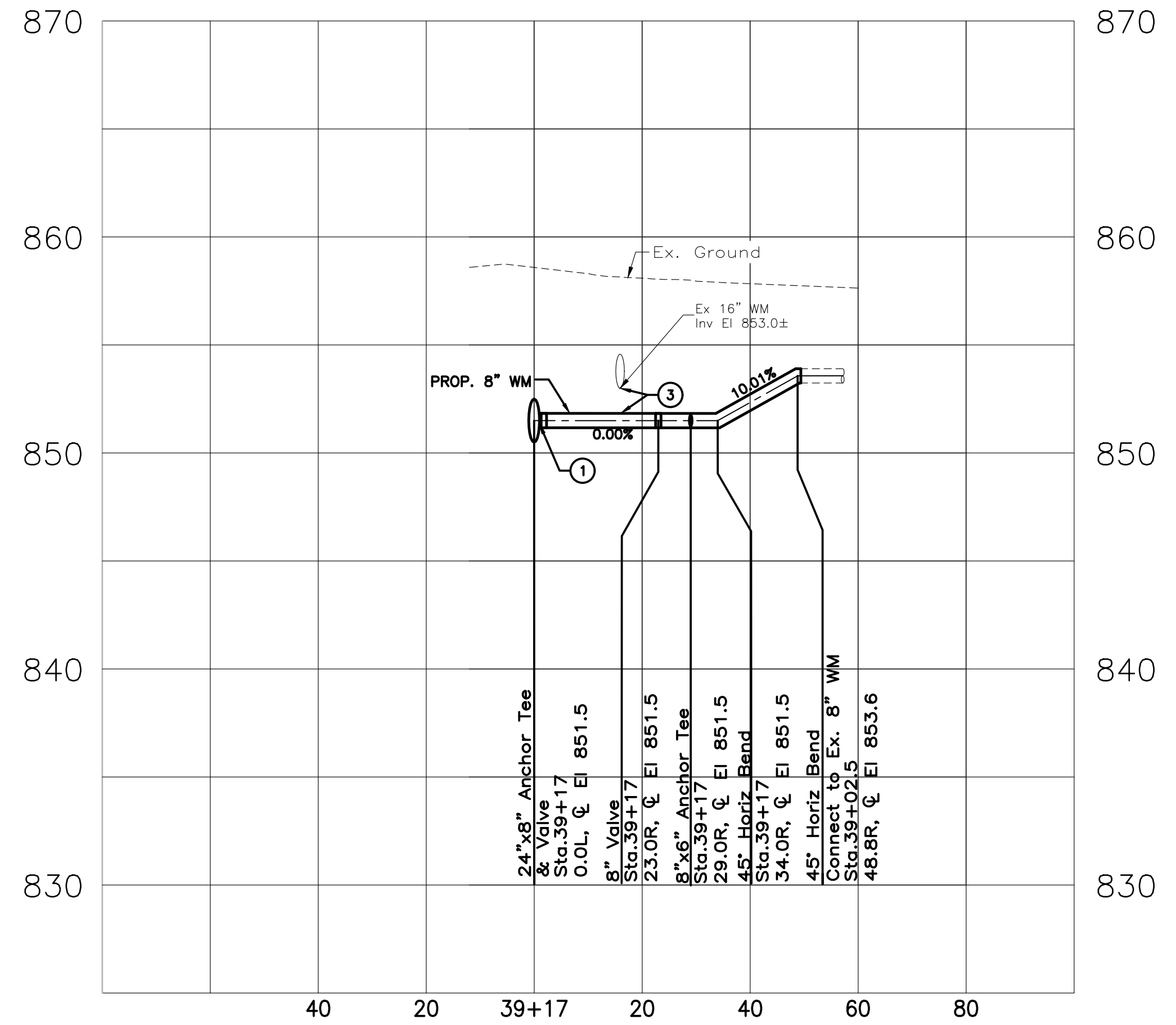
- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.



**JEFFERSON AVENUE AT STA. 39+17 E. HUDSON STREET**

**GENERAL NOTES:**

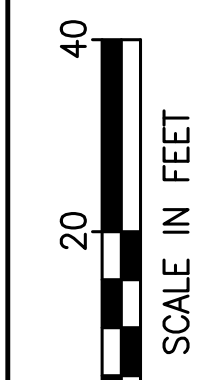
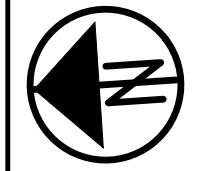
- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.



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**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

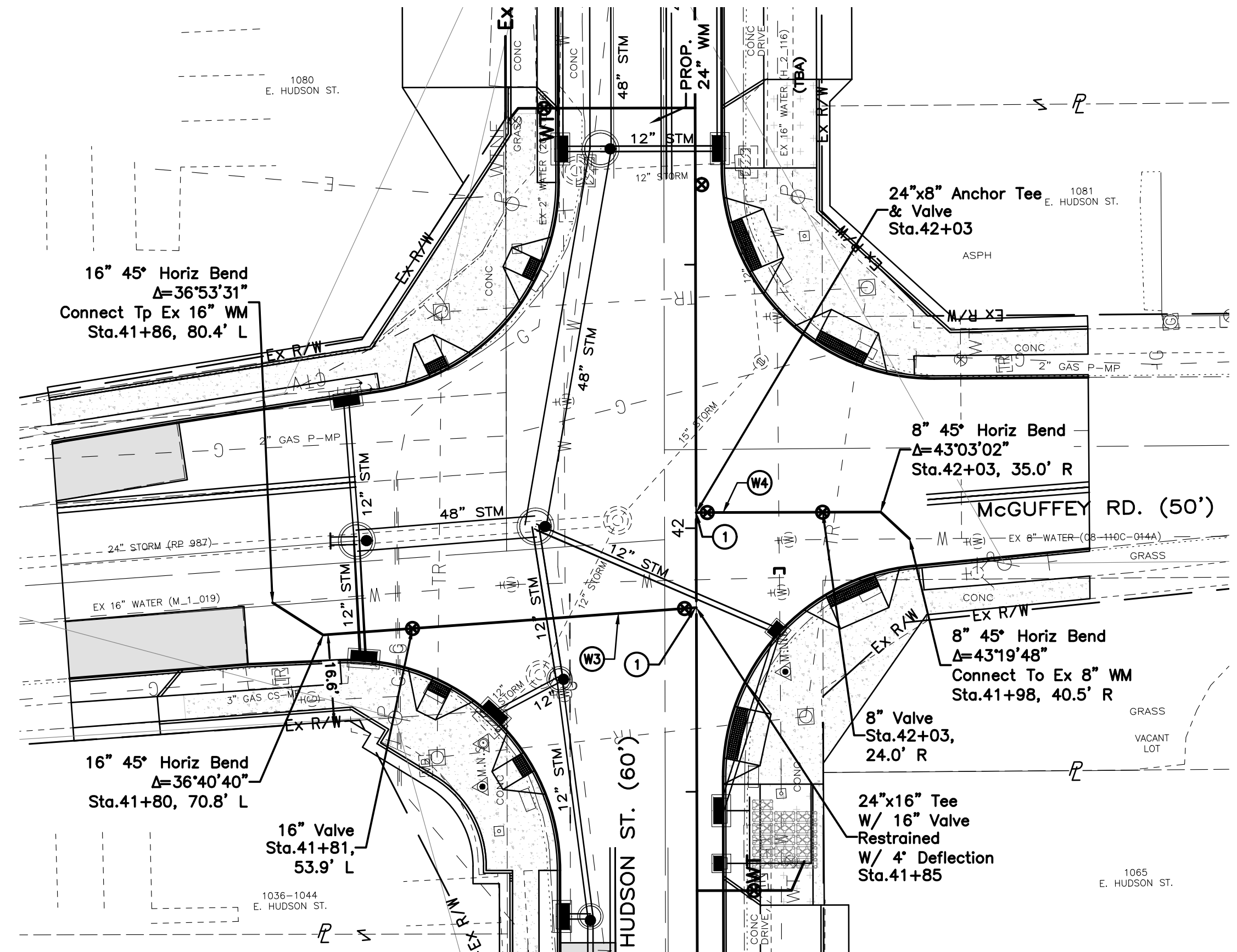
**HUDSON ST**



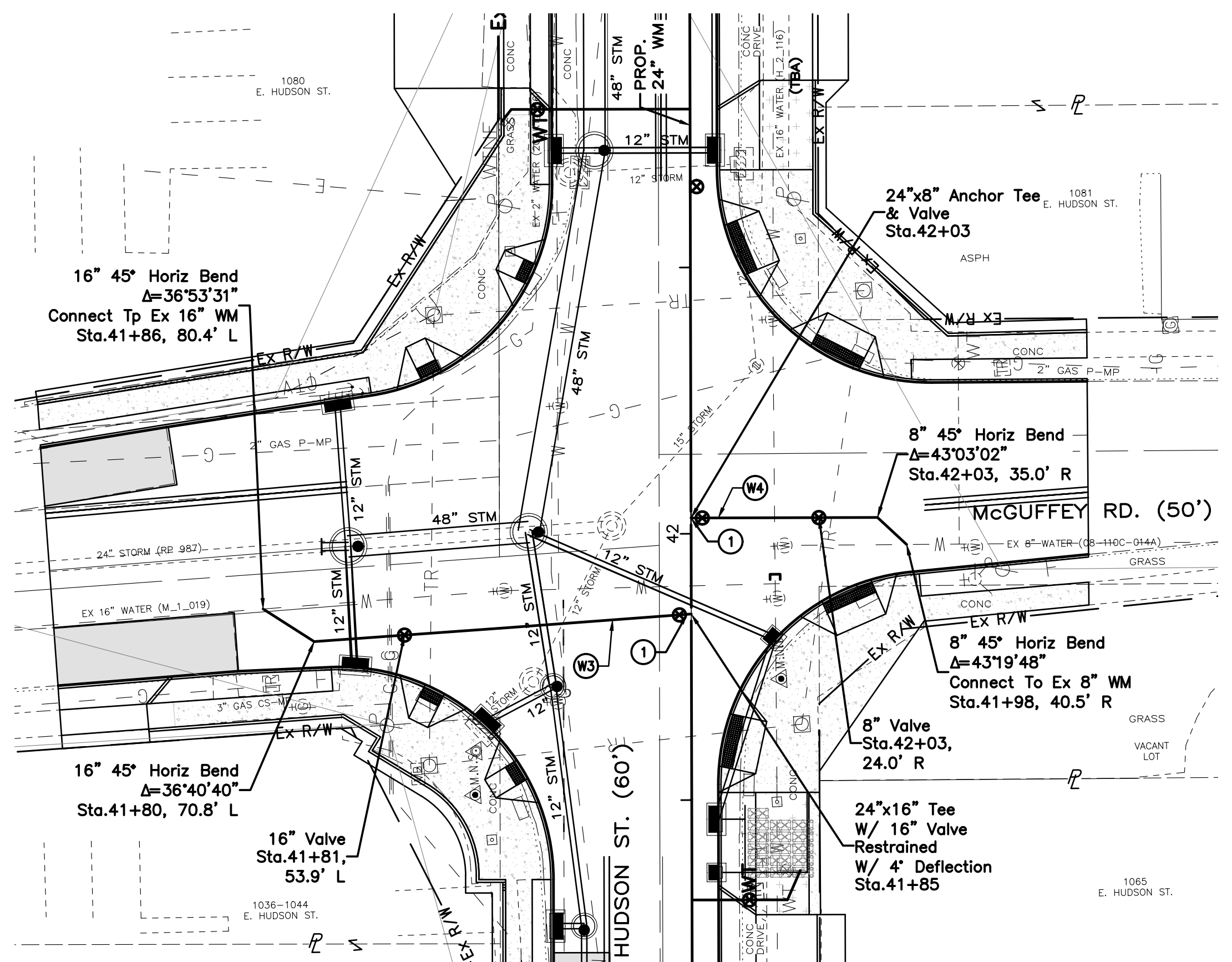
CALCULATED  
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**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

**HUDSON ST**



**MCGUFFEY ROAD (NORTH) AT  
STA. 41+85 E. HUDSON STREET**



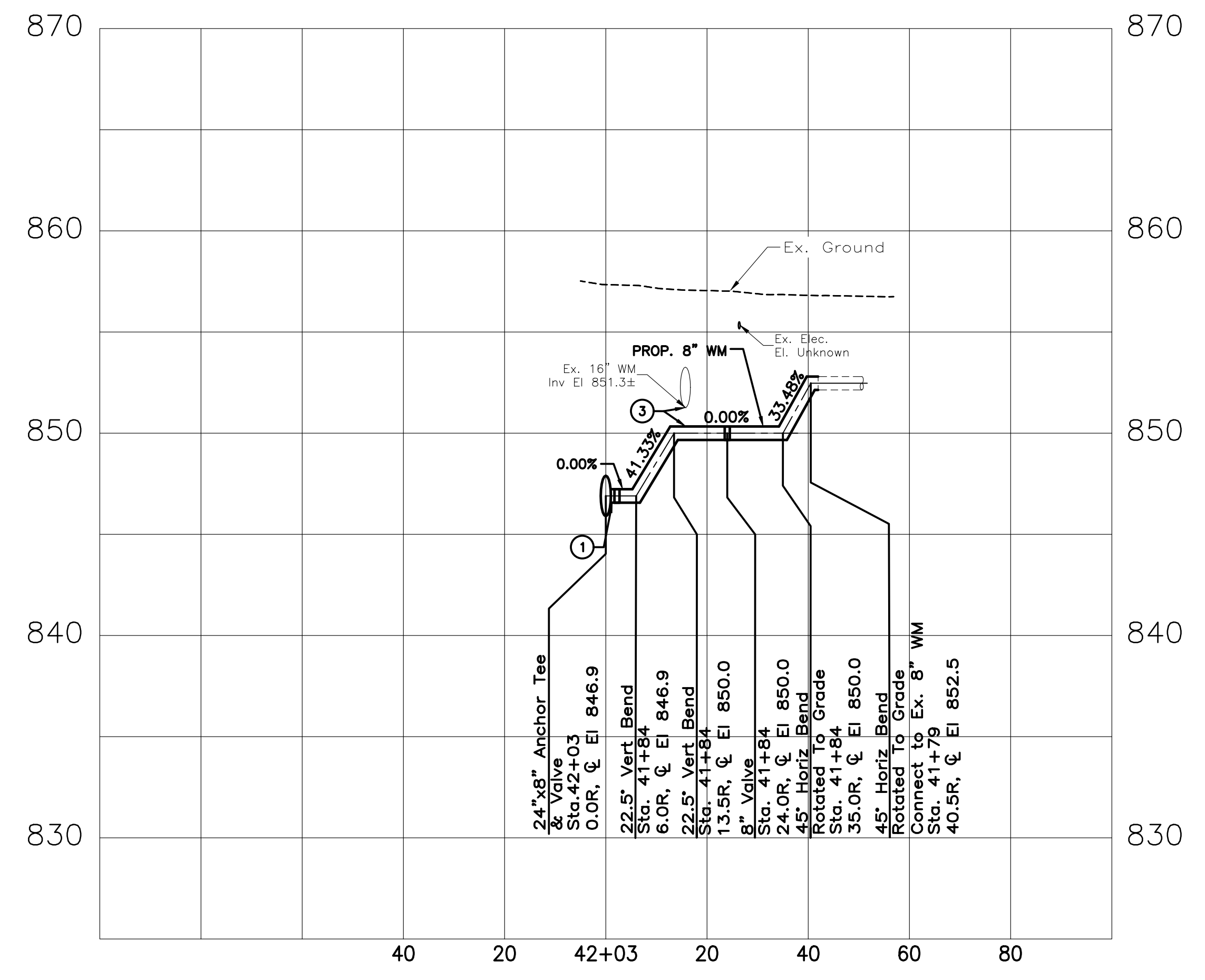
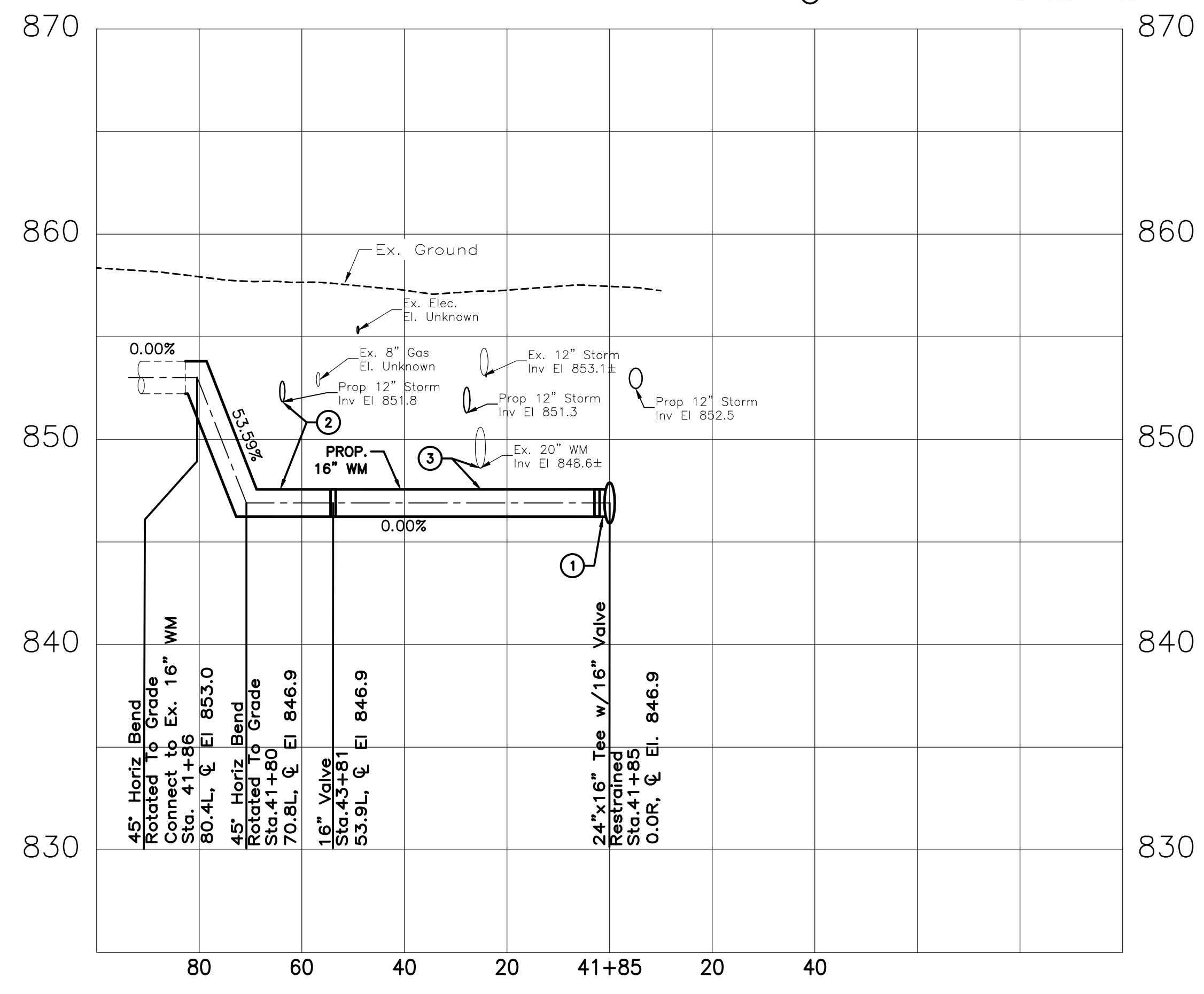
**MCGUFFEY ROAD (SOUTH) AT  
STA. 42+03 E. HUDSON STREET**

**CODED NOTES:**

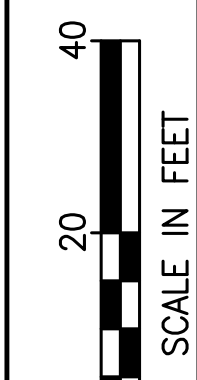
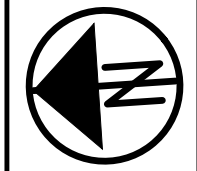
- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.

**GENERAL NOTES:**

- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.



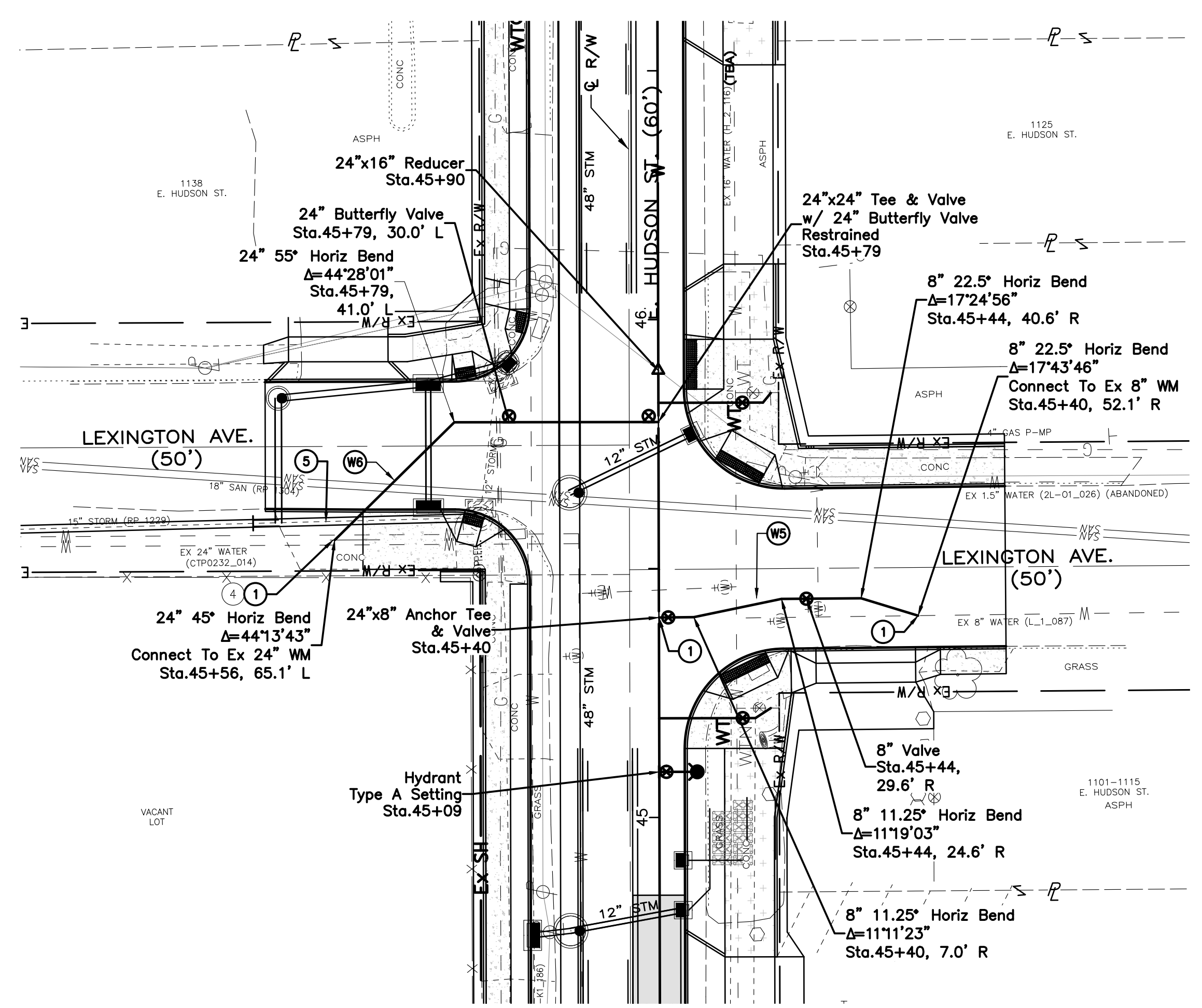
SUBMITTAL DATE: 6/3/2021



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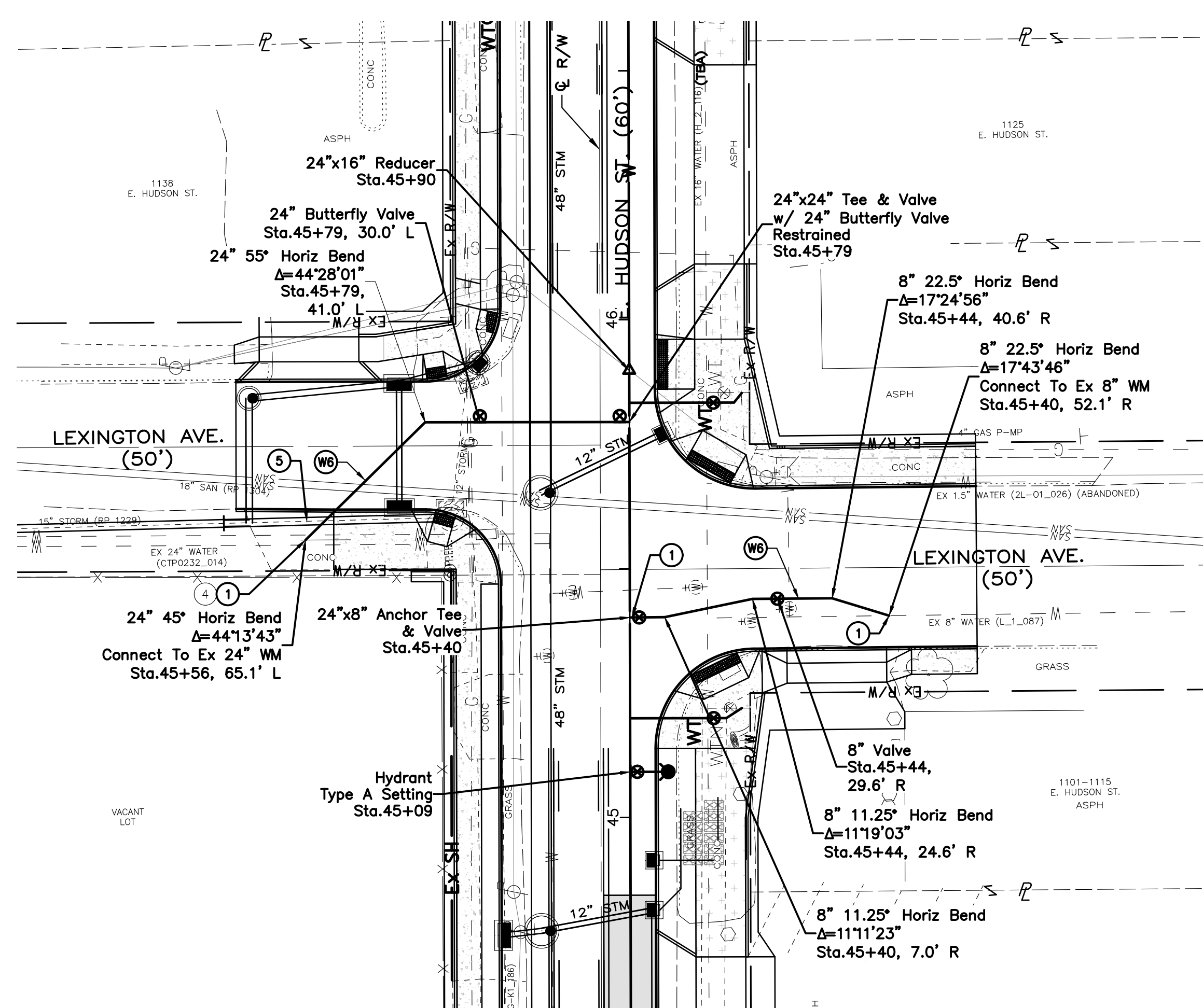
**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

**HUDSON ST**

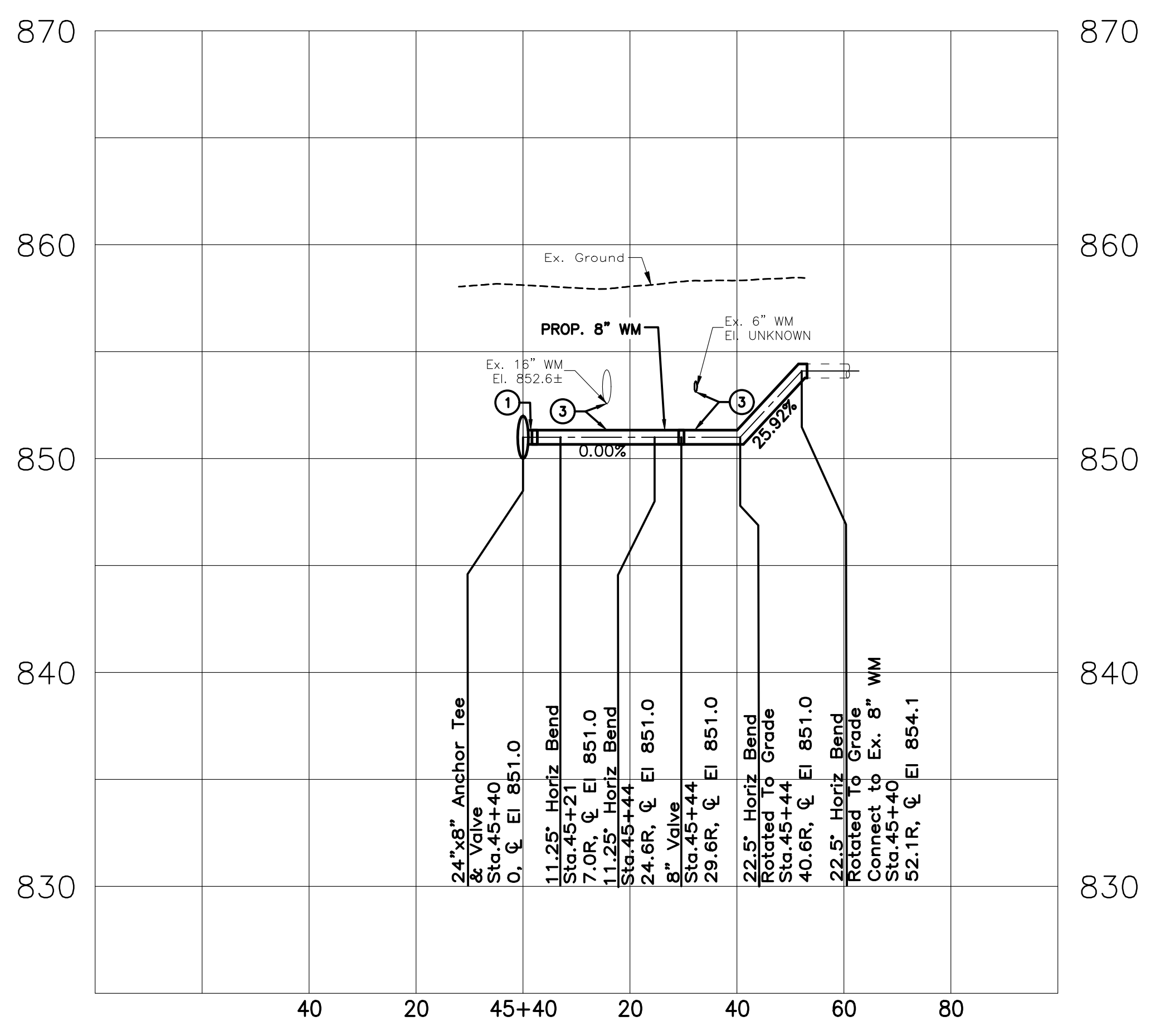
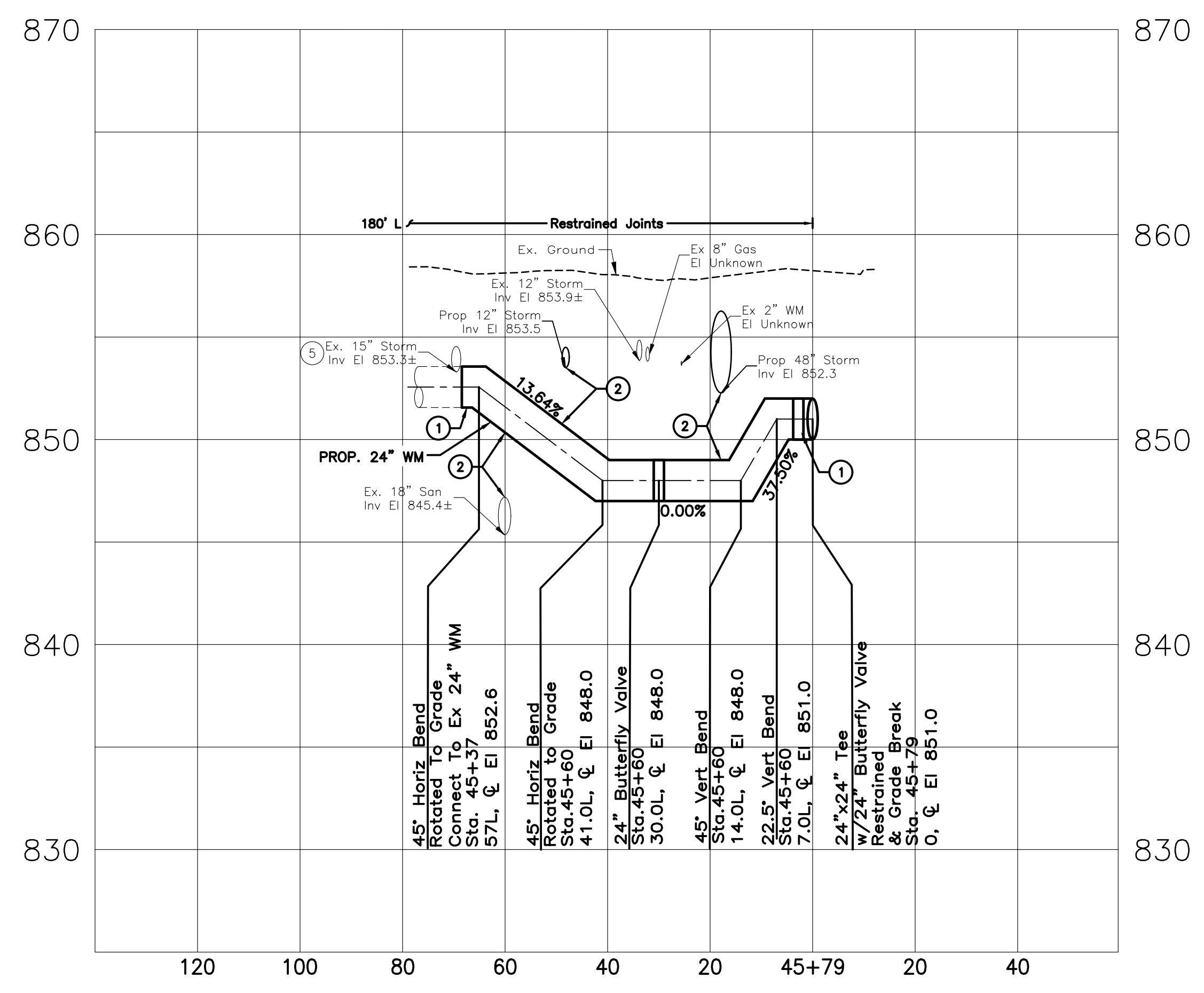


**LEXINGTON AVENUE (NORTH) AT  
STA. 45+79 E. HUDSON STREET**

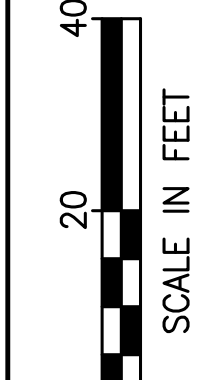
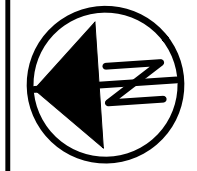
- GENERAL NOTES:**
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  - CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.
- CODED NOTES:**
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  - MAINTAIN MINIMUM 18" CLEARANCE.
  - MAINTAIN MINIMUM 12" CLEARANCE.
  - EXISTING 24" WM IS PCCP. NEW CONNECTION TO OCCUR AT PIPE JOINT. CONTRACTOR SHALL EXPOSE EXISTING 24" WM PRIOR TO CONNECTION TO DETERMINE JOINT LOCATION.
  - CONTRACTOR SHALL REMOVE EXISTING 15" STORM TO INSTALL 24" WATER LINE. ANY COSTS ASSOCIATED WITH REMOVAL SHALL BE INCLUDED IN UNIT PRICE BID FOR ITEM 801 24" WATER MAIN.



**LEXINGTON AVENUE (SOUTH) AT  
STA. 45+40 E. HUDSON STREET**



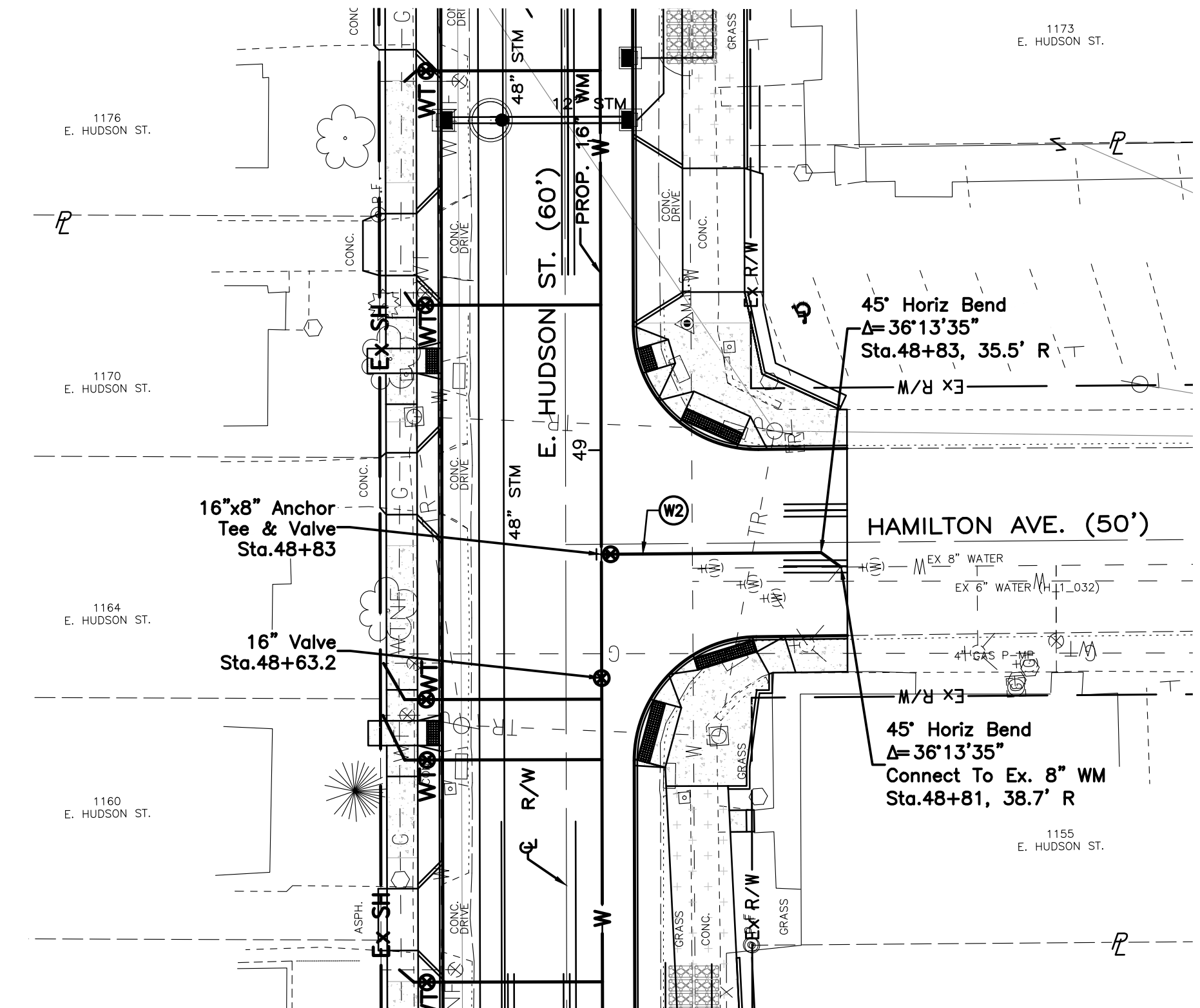
SUBMITTAL DATE: 6/16/2021



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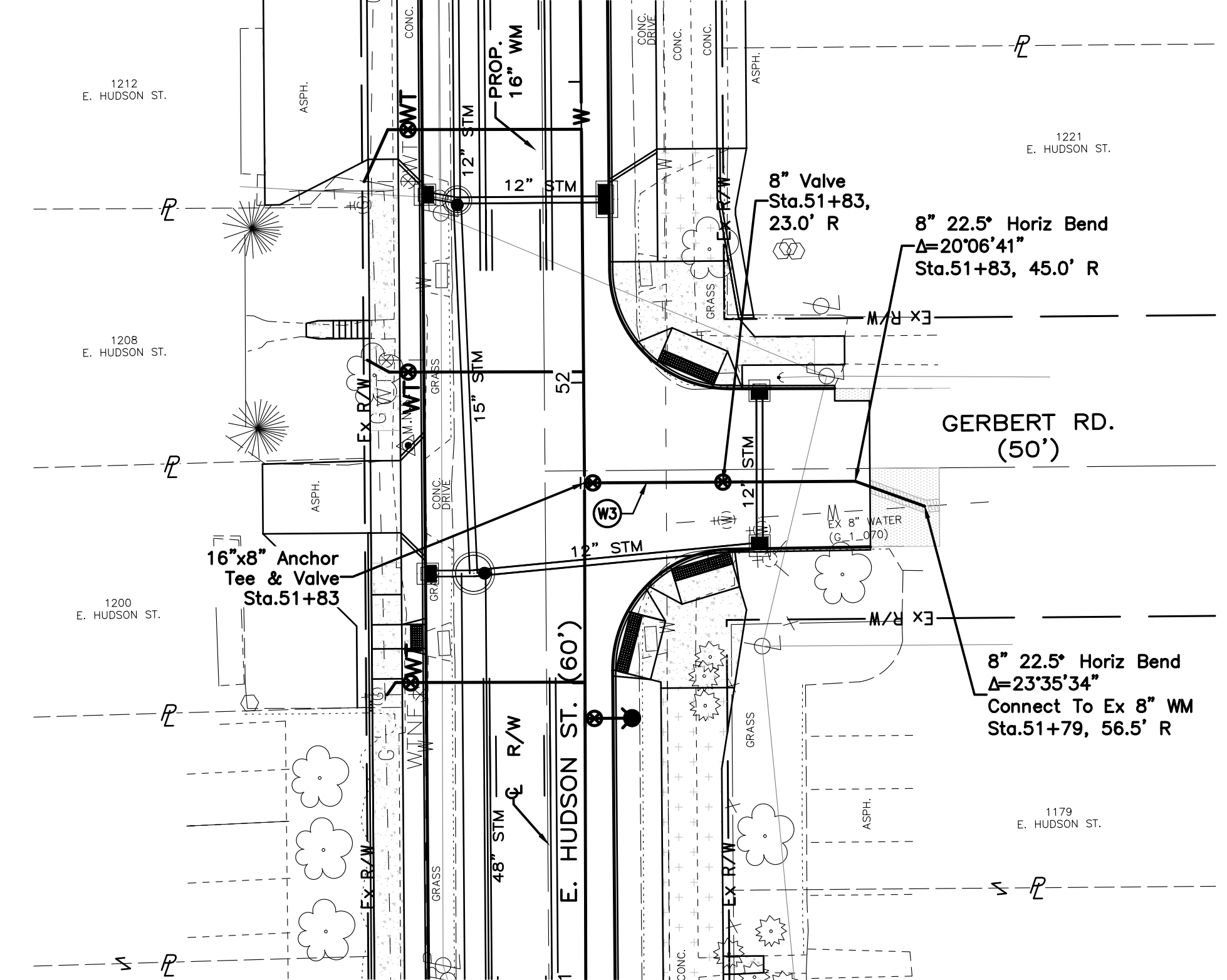
**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

**HUDSON ST**



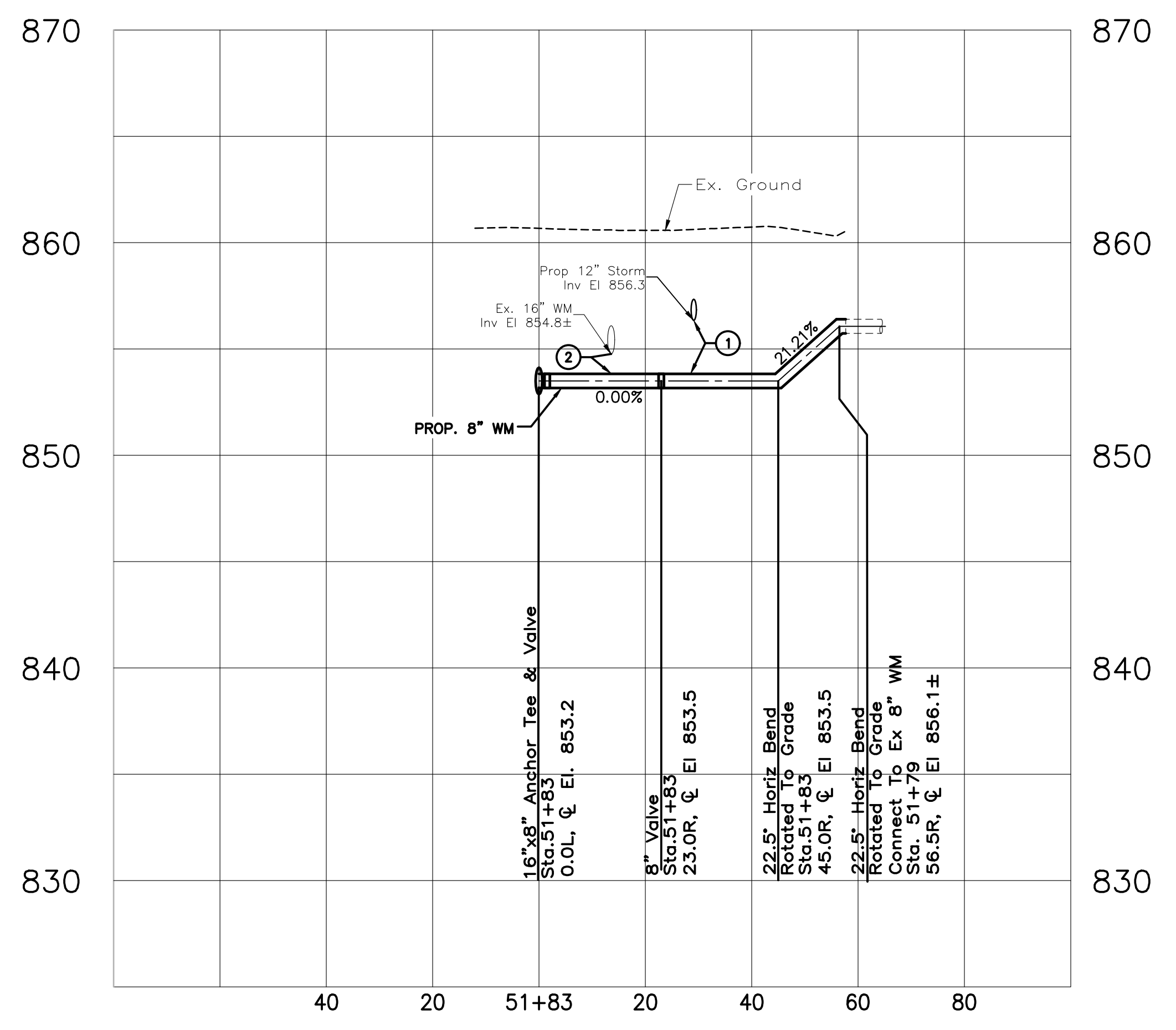
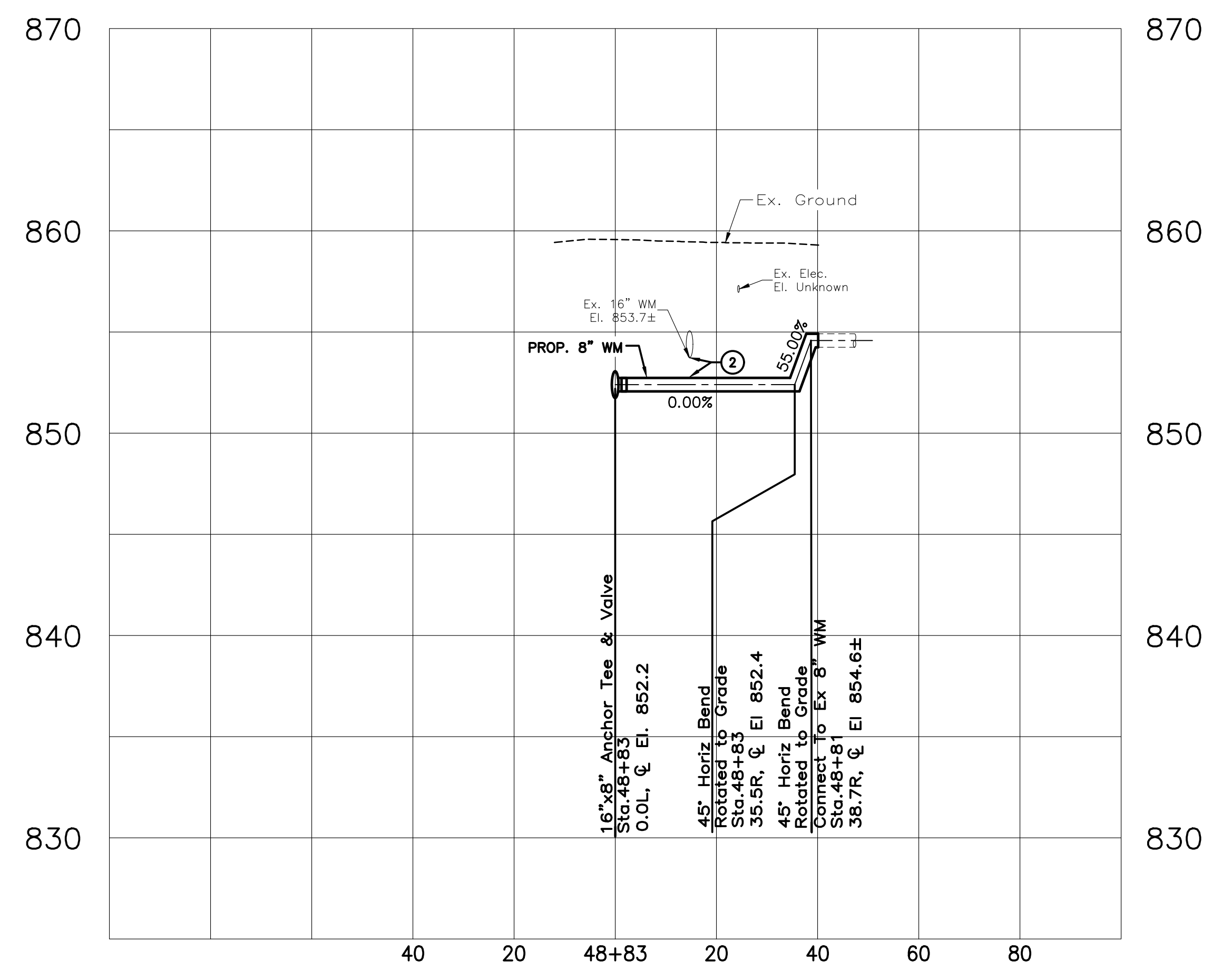
**HAMILTON AVENUE AT  
48+83 E. HUDSON STREET**

- CODED NOTES:**
- ① MAINTAIN MINIMUM 18" CLEARANCE.
  - ② MAINTAIN MINIMUM 12" CLEARANCE.

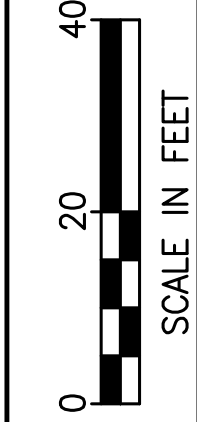
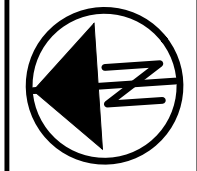


**GERBERT ROAD AT  
51+83 E. HUDSON STREET**

- GENERAL NOTES:**
- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
  - 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.



SUBMITTAL DATE: 6/3/2021

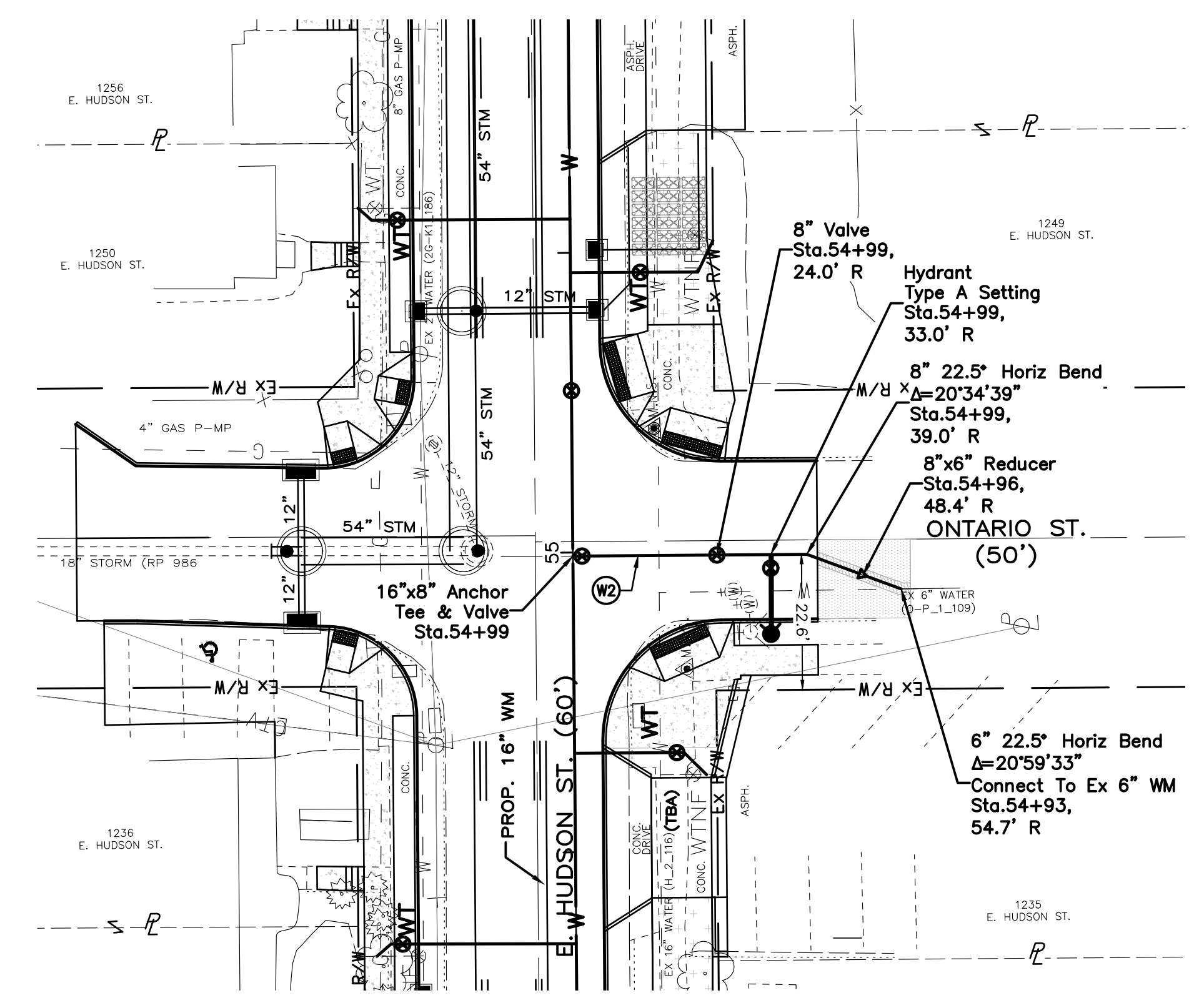


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**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

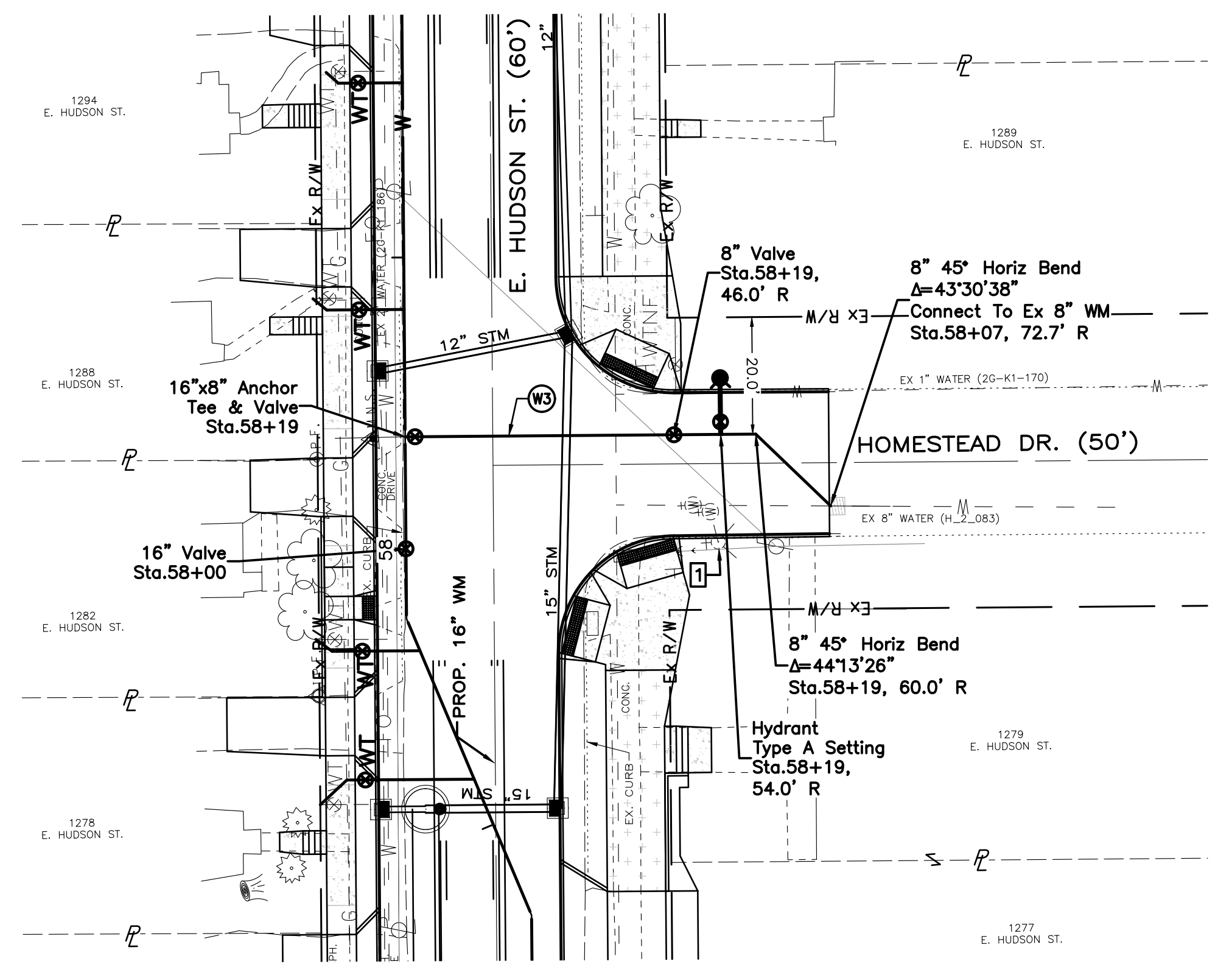
**HUDSON ST**

390  
535



**ONTARIO STREET AT  
54+99 E. HUDSON STREET**

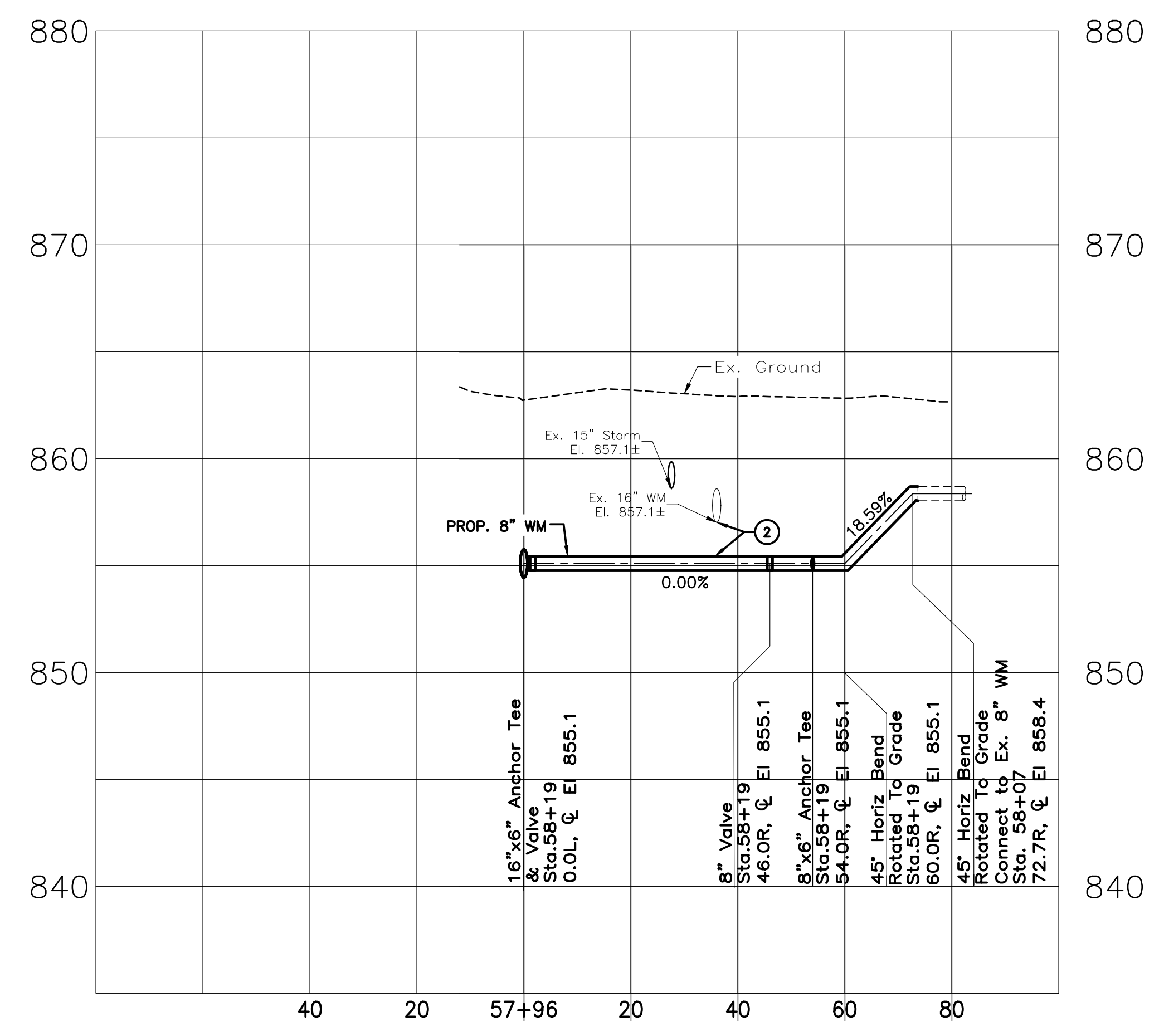
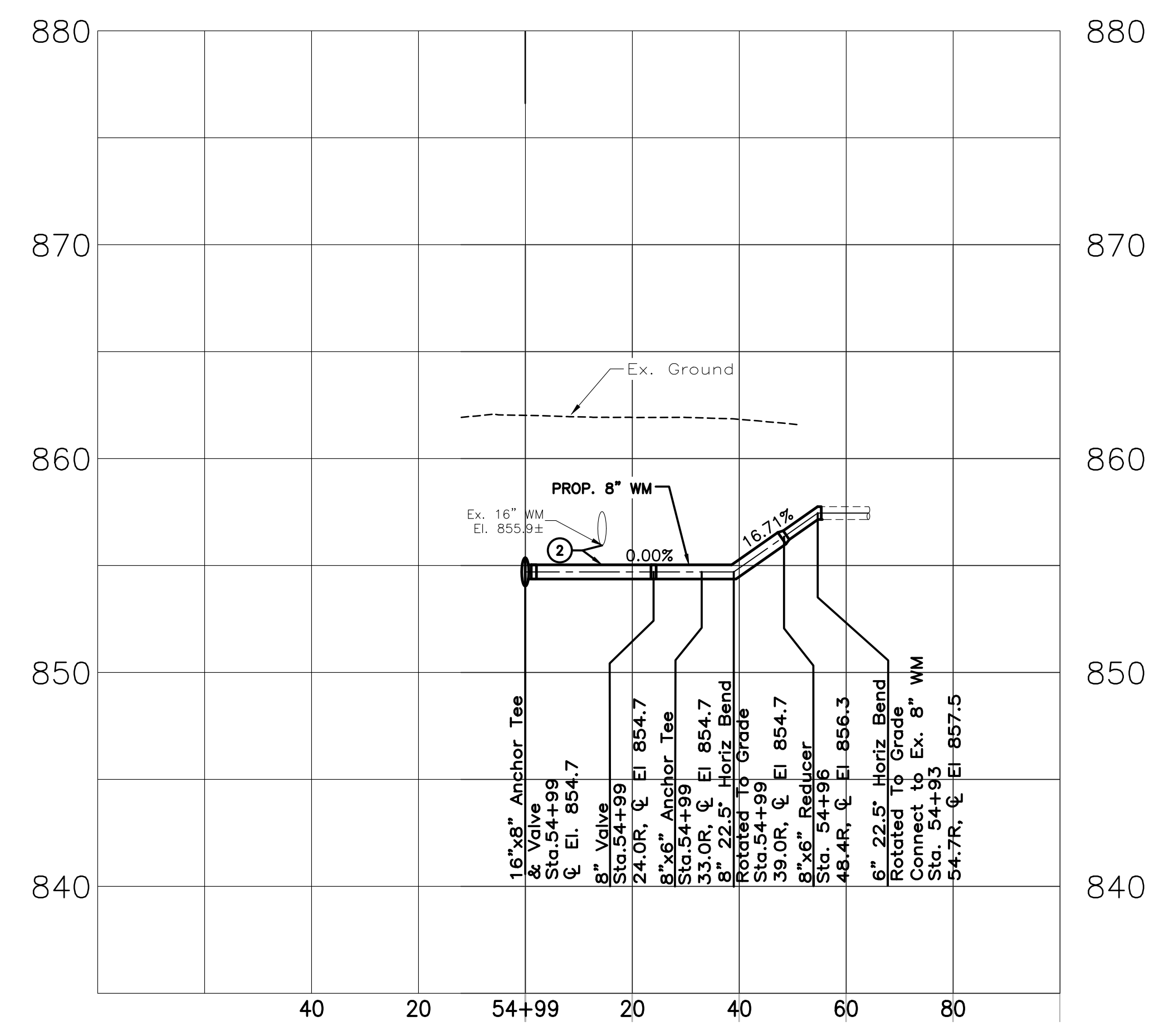
- CODED NOTES:**
- ① MAINTAIN MINIMUM 18" CLEARANCE.
  - ② MAINTAIN MINIMUM 12" CLEARANCE.



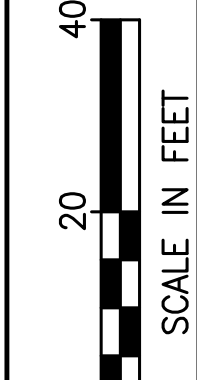
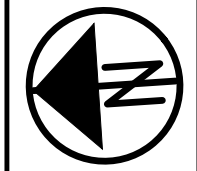
**HOMESTEAD DRIVE AT  
57+96 E. HUDSON STREET**

- GENERAL NOTES:**
- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
  - 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.

SUBMITTAL DATE: 6/3/2021



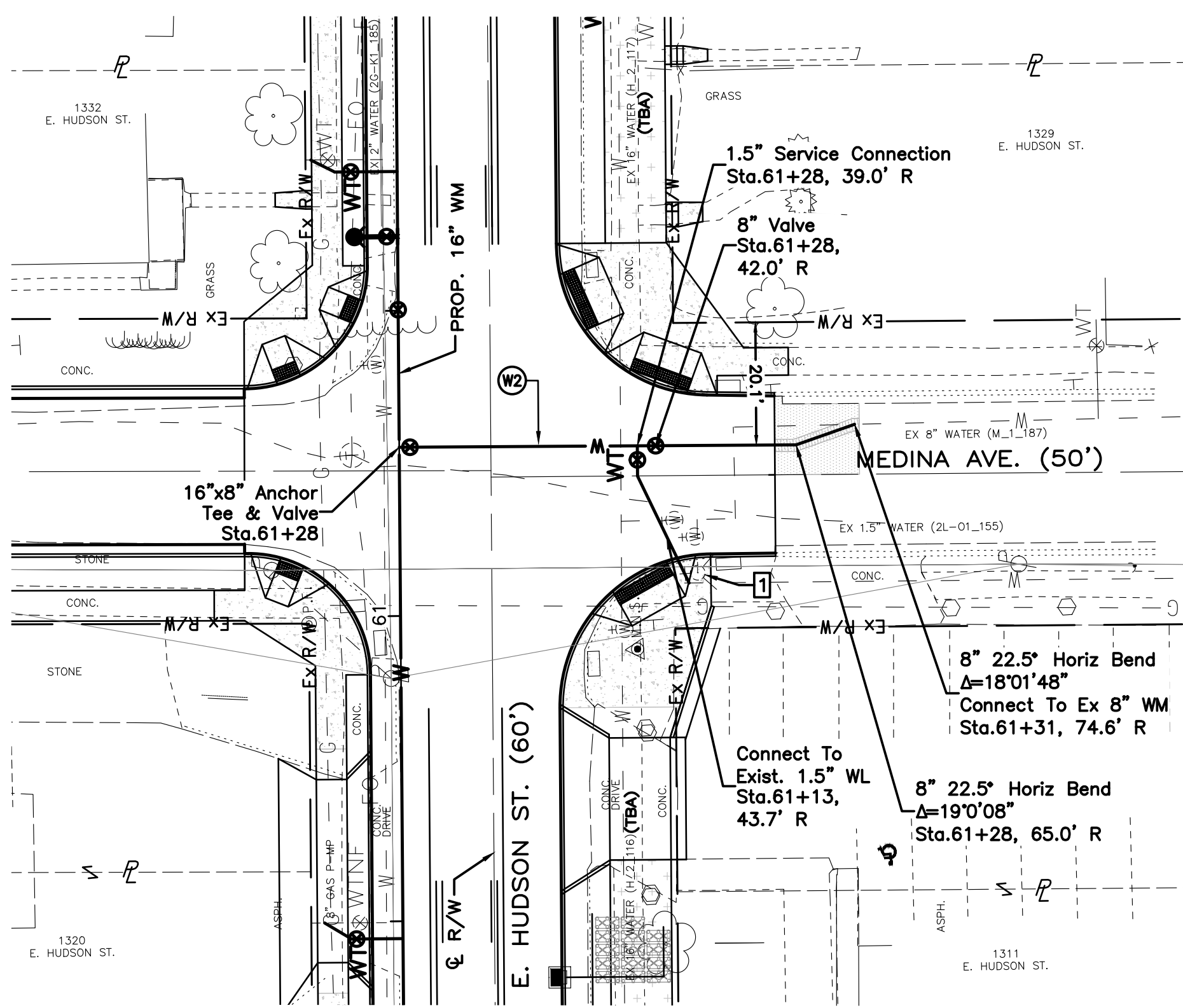
3575-E



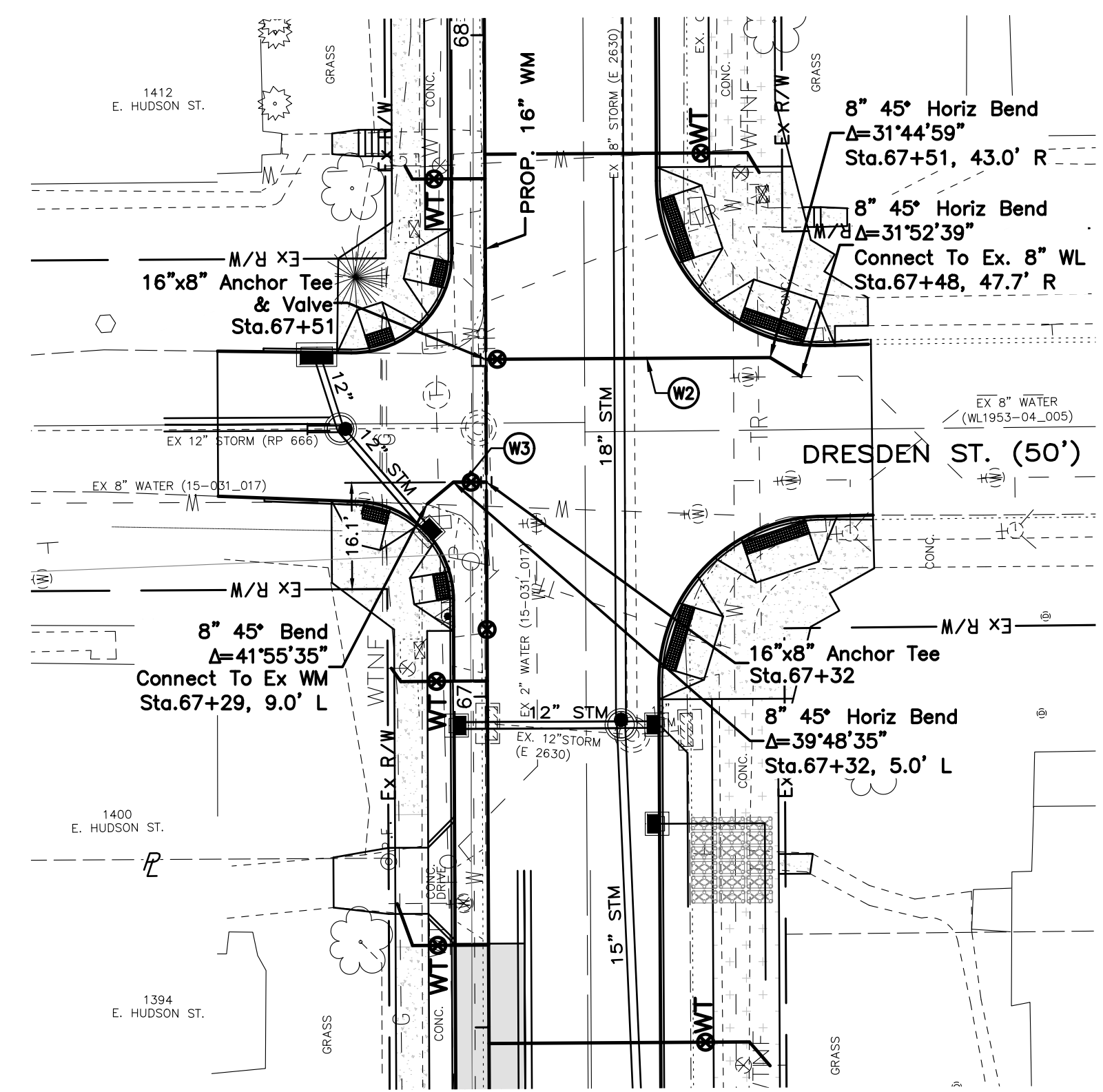
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**WATER WORK PLAN  
CROSS STREET WATERMAIN CONNECTIONS**

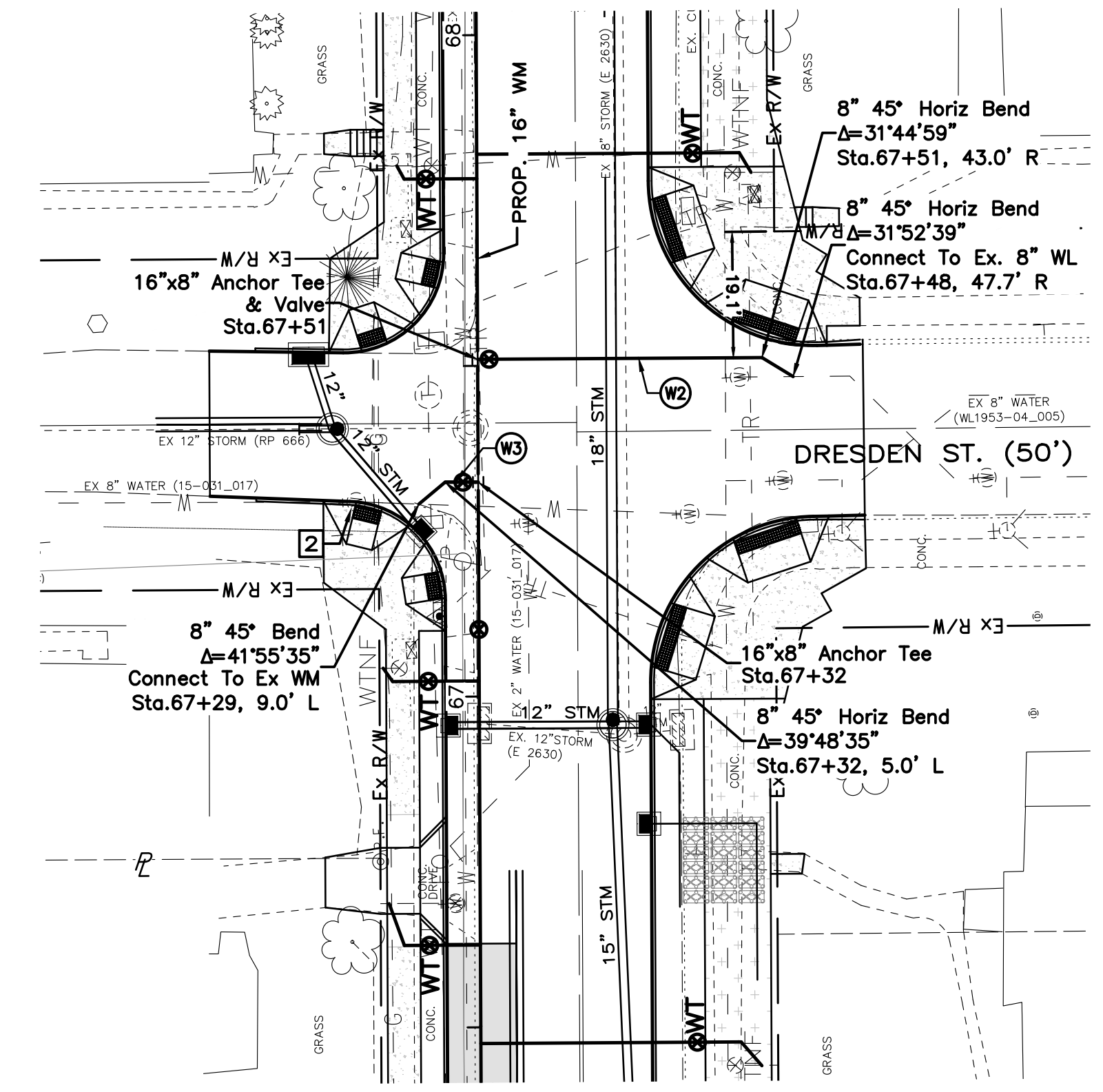
**HUDSON ST**



**MEDINA AVENUE AT  
STA. 61+28 E. HUDSON STREET**



**DRESDEN STREET (NORTH) AT  
STA. 67+32 E. HUDSON STREET**



**DRESDEN STREET (SOUTH) AT  
STA. 67+51 E. HUDSON STREET**

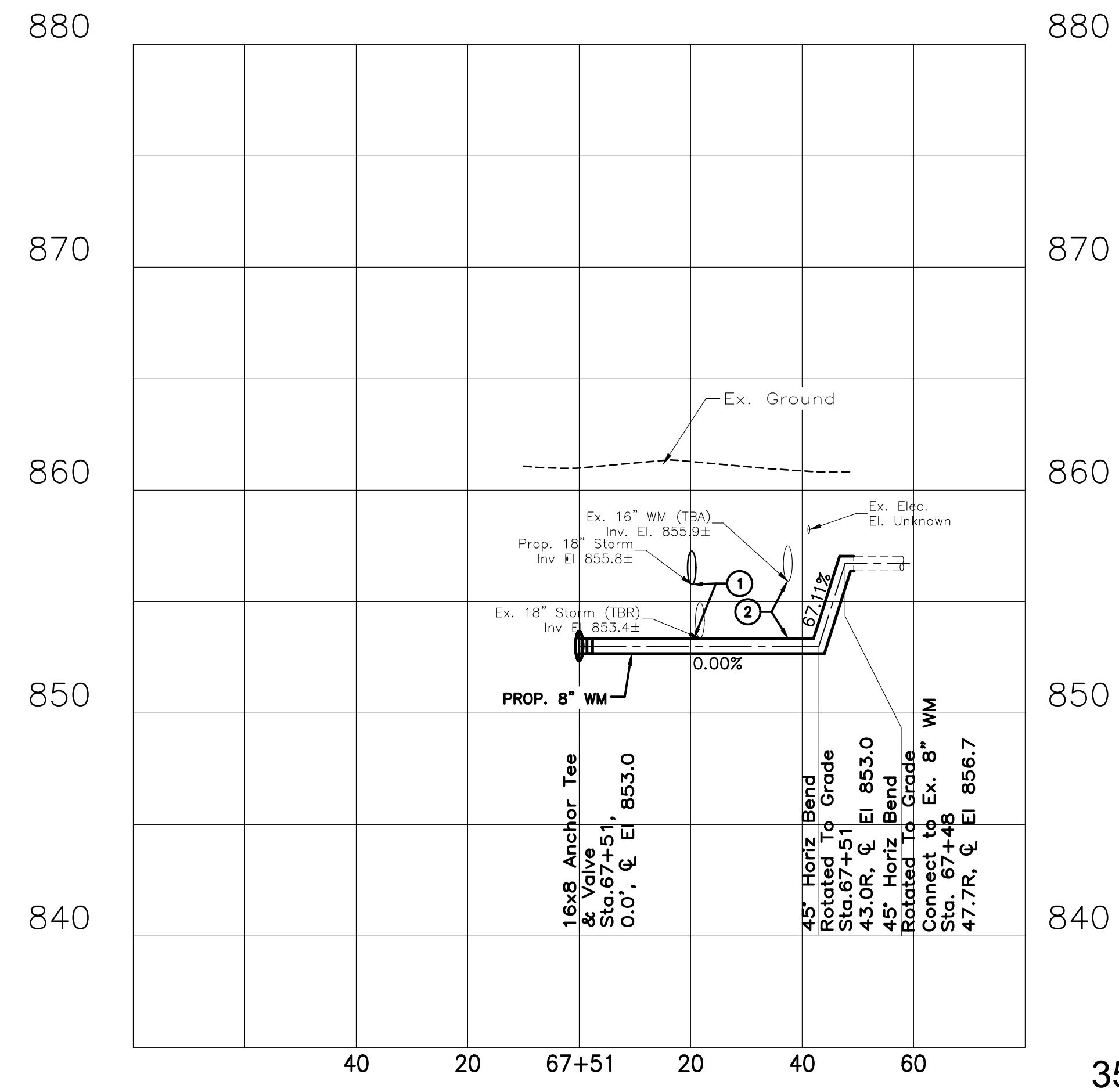
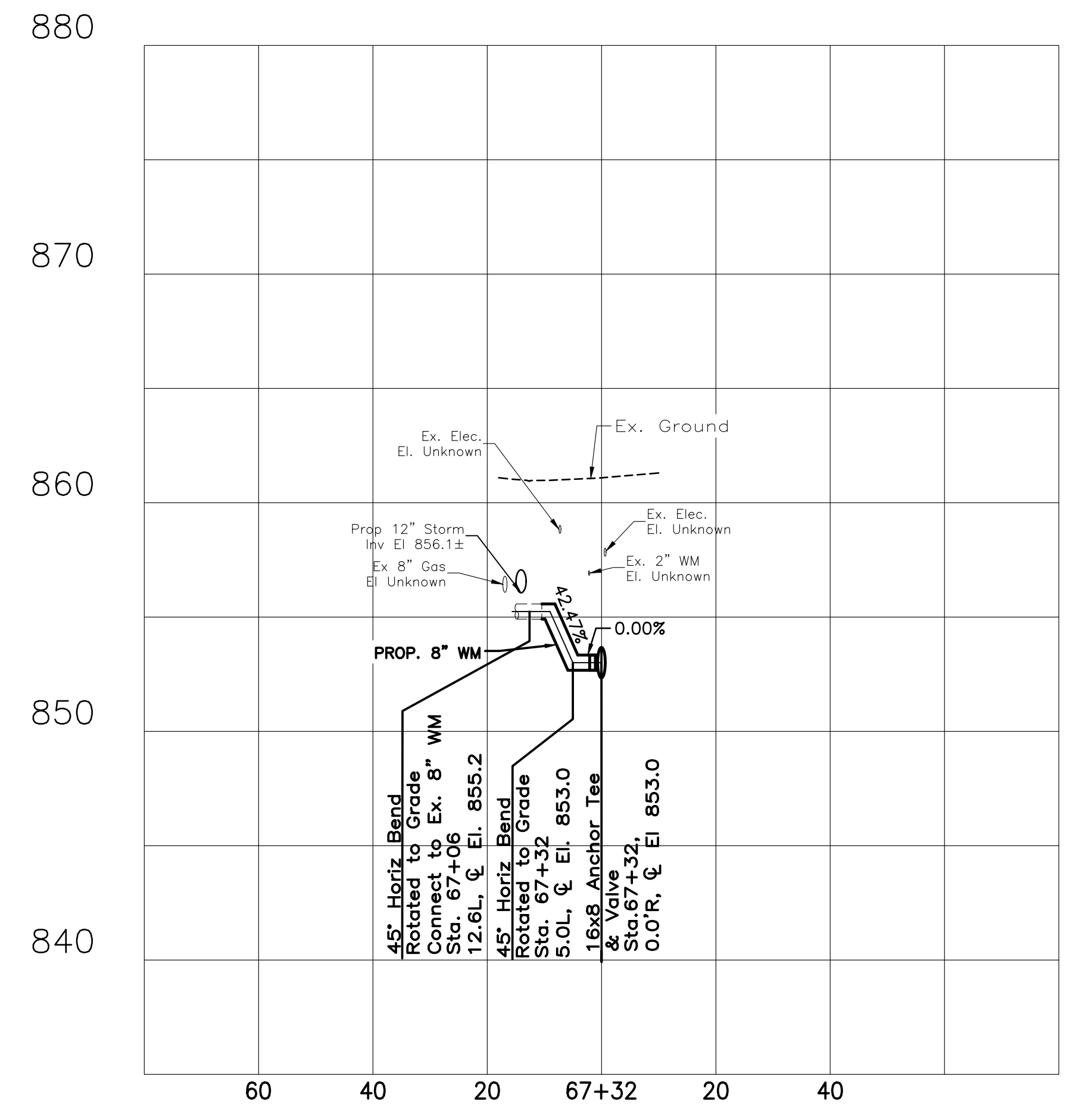
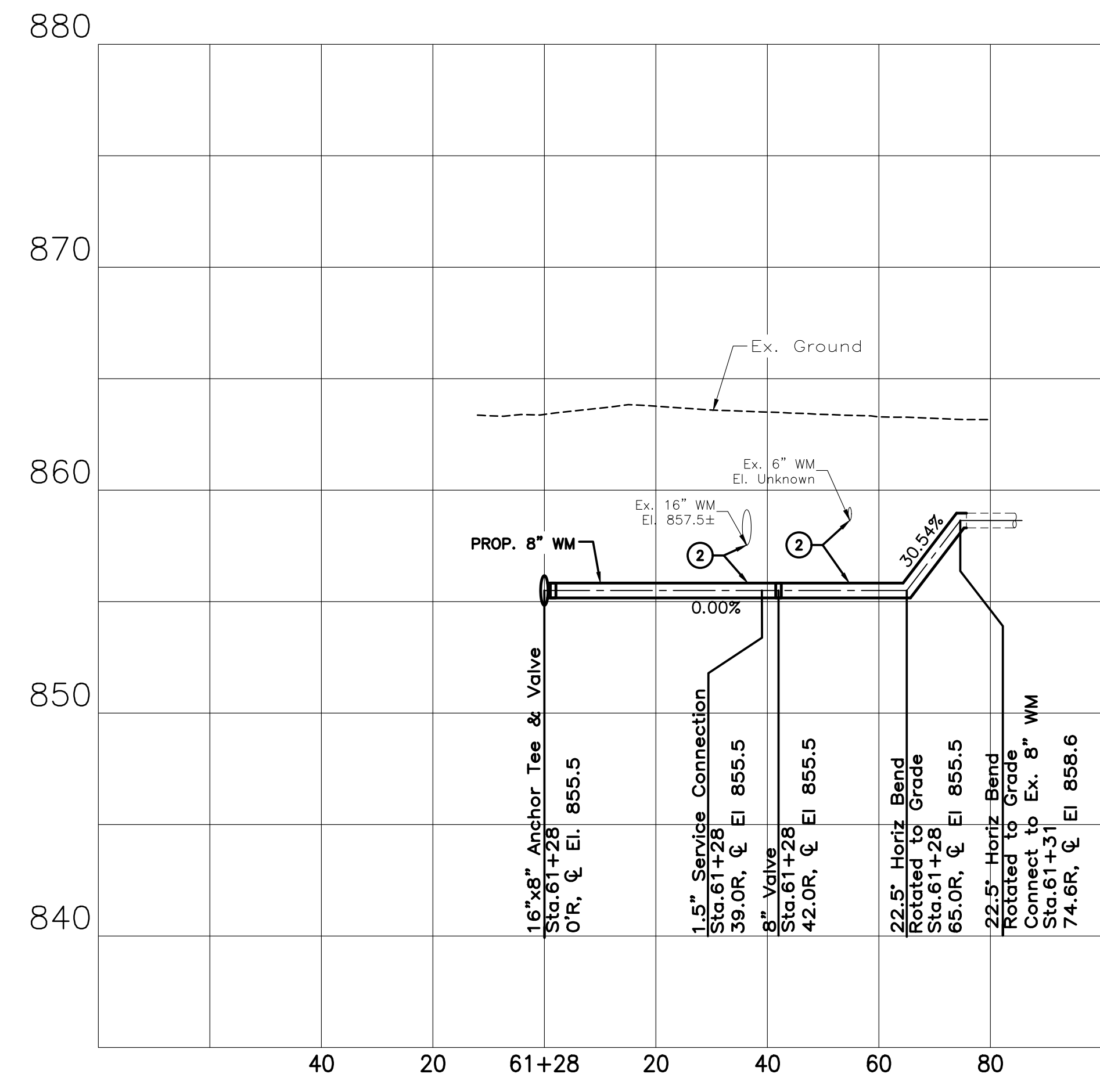
**CODED NOTES:**

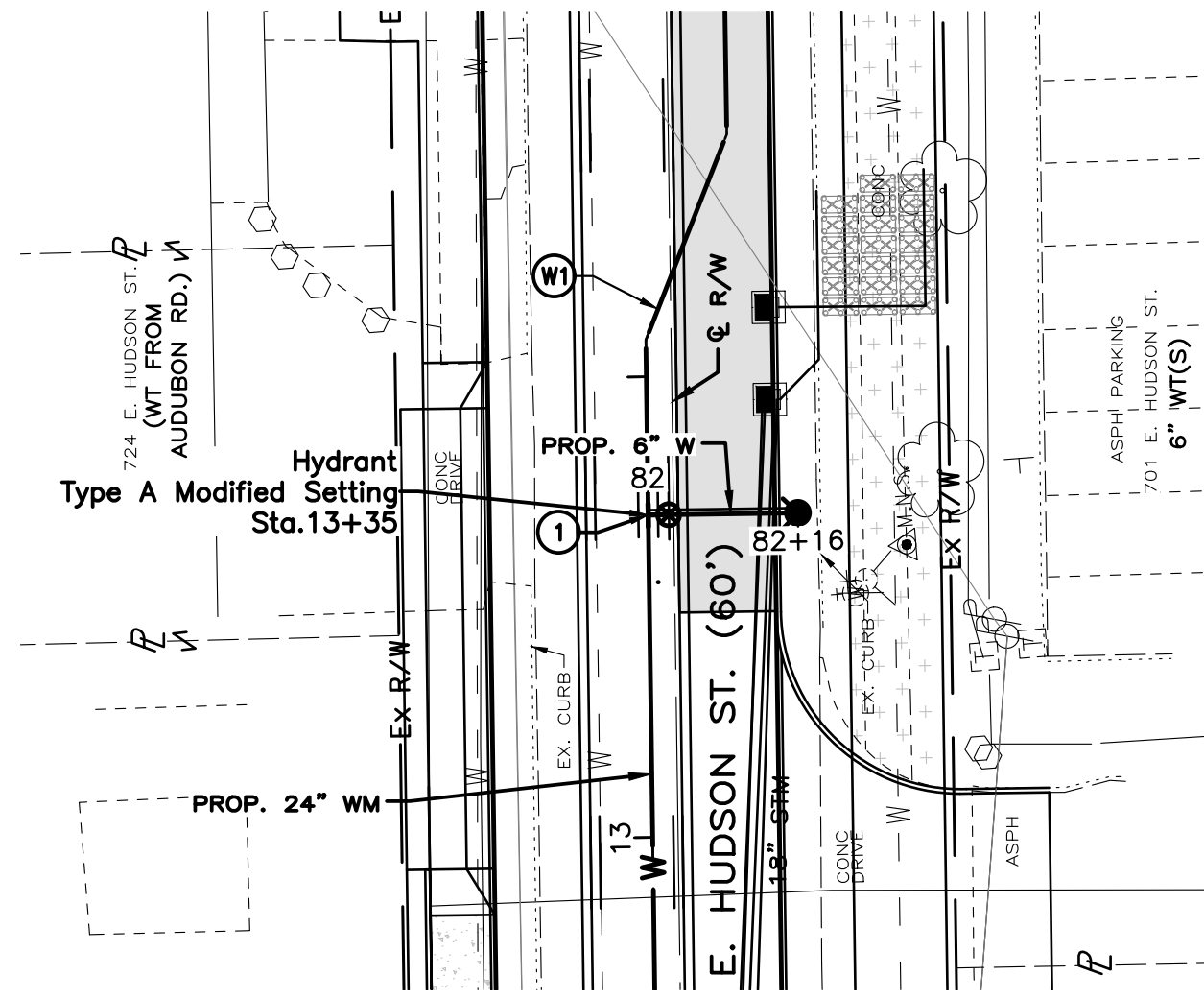
- ① MAINTAIN MINIMUM 18" CLEARANCE.
- ② MAINTAIN MINIMUM 12" CLEARANCE.

**GENERAL NOTES:**

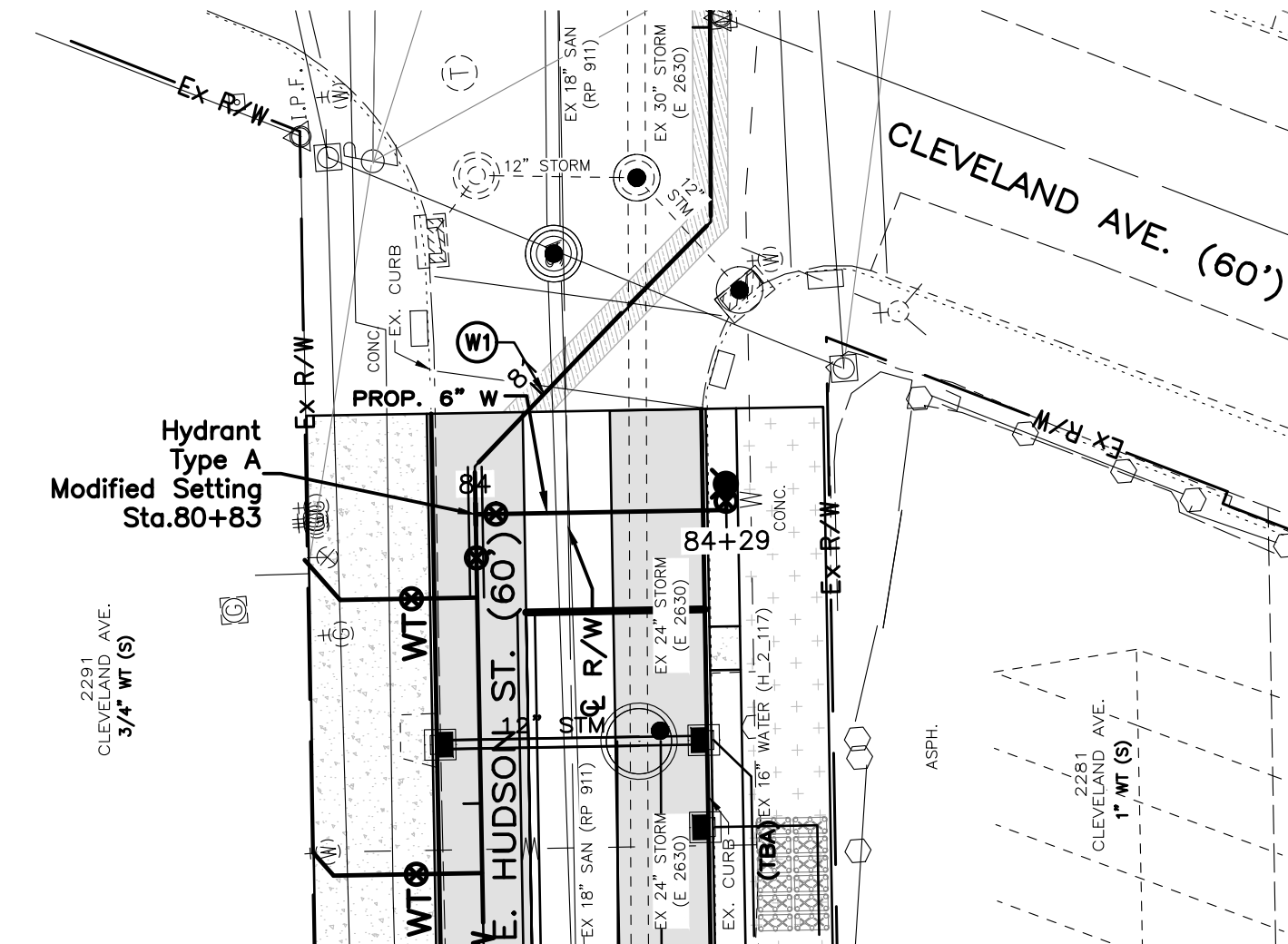
- 1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER TAPS.
- 2. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER TAPS NOT FOUND IN FIELD PRIOR TO INSTALLATION OF NEW WATER TAPS.

SUBMITTAL DATE: 6/3/2021





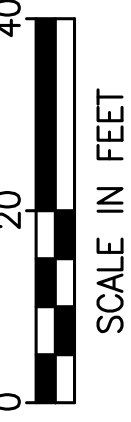
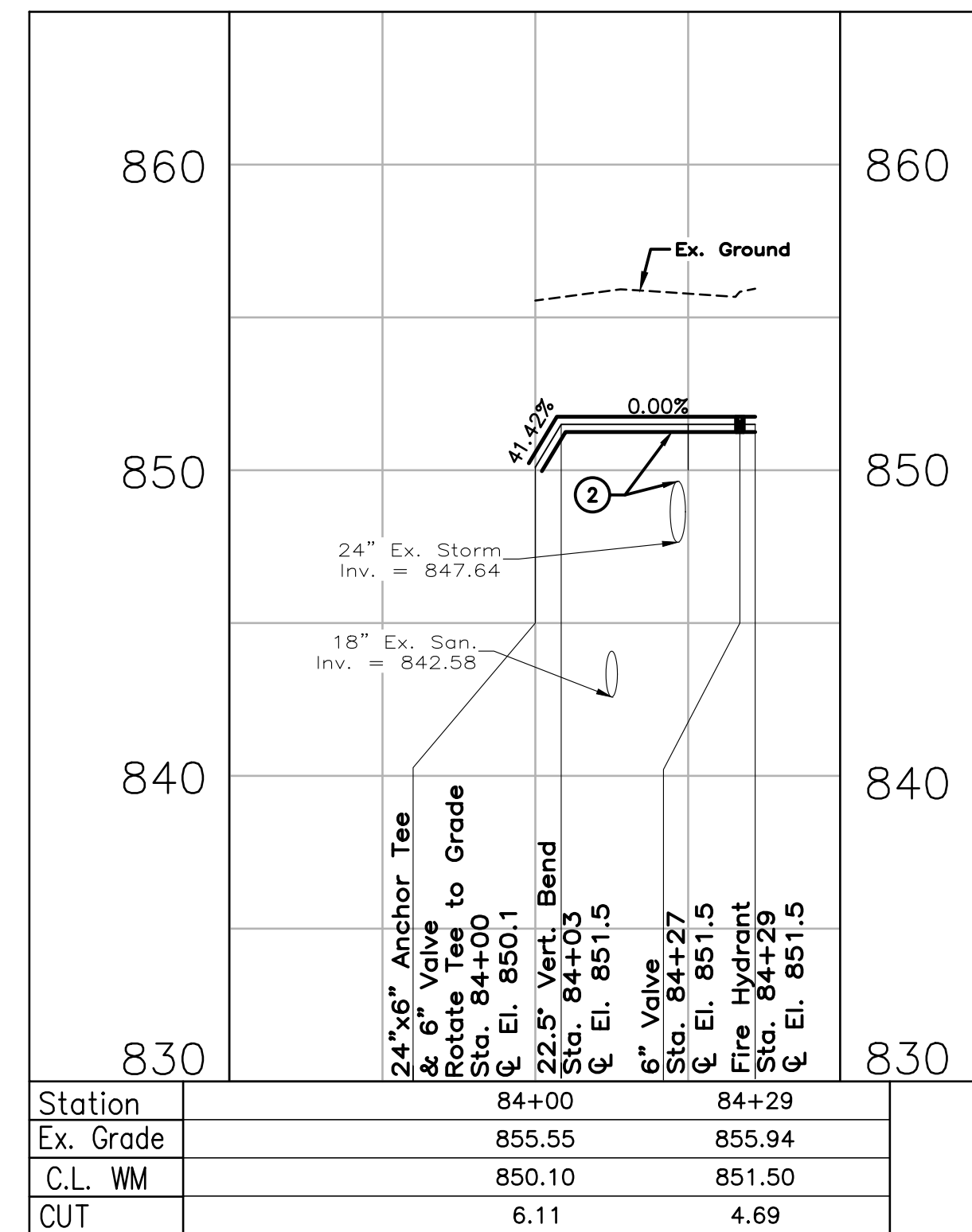
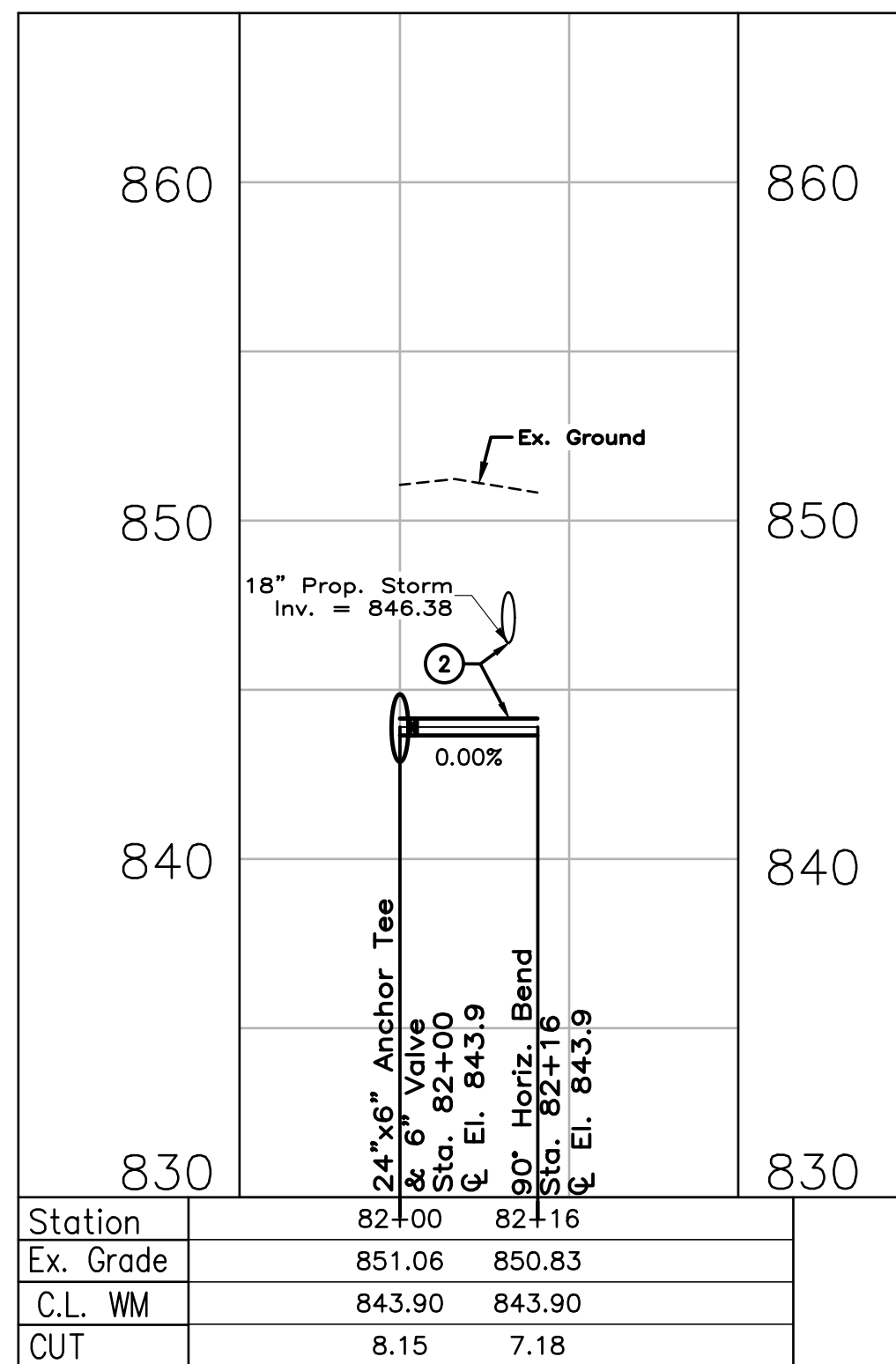
**FIRE HYDRANT LEAD  
STA. 13+35 E. HUDSON STREET**



**FIRE HYDRANT LEAD  
STA. 80+83 E. HUDSON STREET**

**CODED NOTES:**

- ① CONTRACTOR SHALL INCLUDE A FLANGE ISOLATION KIT AT CONNECTION. FLANGE ISOLATION KIT TO BE LOCATED AT THE 24" WATERMAIN FITTING. THE LOCATION OF THE ISOLATION SHALL BE SUBMITTED IN THE LAY SCHEDULE FOR REVIEW AND APPROVAL BY THE ENGINEER.
- ② MAINTAIN MINIMUM 18" CLEARANCE.
- ③ MAINTAIN MINIMUM 12" CLEARANCE.



CALCULATED  
MAC  
CHECKED  
LAM

**WATER WORK PLAN  
FIRE HYDRANT LEAD PROFILES**

**HUDSON ST**



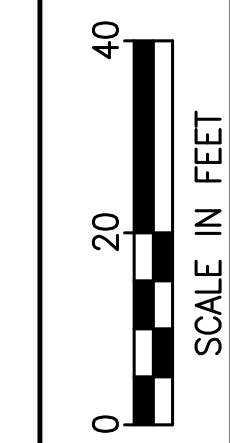
SUBMITTAL DATE: 8/16/2021

**ESTIMATE OF QUANTITIES**

ITEM	DESCRIPTION	TOTAL	UNIT	SHEET 365	SHEET 366	SHEET 367	SHEET 368	SHEET 369	SHEET 370	SHEET 371	SHEET 372	SHEET 373	SHEET 374	SHEET 375	SHEET 376	SHEET 377	SHEET 378	SHEET 379	SHEET 380
259	Driveway Replacement, Type IIIA	2	CY	2															
608	Concrete Walk (4")	57	SF					25		25		7							
615	Temporary Pavement	4188	SY	158	292	346	375	315	286	196	172	291	263	261	298	286	253	256	140
659	Seeding and Mulching, Class 1	200	SY																
801	6 Inch Water Pipe And Fittings	271	LF	6	50	30	25	15	10	24		10	8	15	18	8	8	15	30
801	8 Inch Water Pipe And Fittings	1214	LF	55	67	224	155	115	90	55	42	53	98	55	150	55			
801	16 Inch Water Pipe And Fittings	3771	LF				85				81	210	500	500	500	500	500	500	395
SPEC	24 Inch Water Pipe And Fittings	3772	LF	260	500	500	550	500	500	370	270	322							
801*	Concrete Backing Class COC 6, Increase or Decrease	300	CY																
801*	Ductile Iron Fittings, Increase Or Decrease	6240	LB																
801*	Extra Fittings, PCCP Concrete or Steel, Complete in Place	12	EA																
802	6 Inch Valve And Appurtenances	29	EA	1	6	2	4	1	1	2		1	1	1	2	1	2	2	2
802	8 Inch Valve And Appurtenances	39	EA	2	2	6	5	3	4	2	2	2	3	2	4	2			
802	16 Inch Valve And Appurtenances	10	EA				2				2		1	1		1	1		2
802	24 Inch Butterfly Valve and Appurtenances	9	EA	2		1	1		1		2	2							
805	3/4 Inch Water Service Line Transfer, Long	73	EA	2	1	1	2	3	4	3	1	1	6	9	9	10	11	9	1
805	3/4 Inch Water Service Line Transfer, Short	57	EA			3	2	2	3	2	2	6	2	3	5	9	9	8	1
805	1 Inch Water Service Line Transfer, Long	14	EA		1		2	1	1		1	3	4		1				
805	1 Inch Water Service Line Transfer, Short	12	EA			2	2	2		2		1		1	1				1
805	1.5 Inch Water Service Line Transfer, Long	1	EA	1															
805	1.5 Inch Water Service Line Transfer, Short	3	EA	1	1	1													
805	6 Inch Water Service Line Transfer	2	EA		1		1												
805*	Curb Box	162	EA	4	4	7	9	8	8	7	4	11	12	13	16	19	20	17	3
805*	C.I. Ferrule Valve Box and Cover	4	EA																
809	Fire Hydrant	21	EA	1	2	2	2	1	1	1		1	1	1	2	1	2	2	1
810*	6-Inch Hydrant Extension	4	EA																
810*	12 Inch Hydrant Extensions	4	EA																
810*	18 Inch Hydrant Extensions	4	EA																
810*	24 Inch Hydrant Extensions	4	EA																
811*	Increase Or Decrease In Excavation and Backfill	200	CY																
815*	Crushed Stone or Gravel	70	CY																
SPEC	Corrosion Protection	2	LS																
SPEC	Continuity Testing	2	LS																
SPEC	Heat Welding	113	SY	1	4	16	29	6	4	10	3		3	3	3				30
SPEC	Flange Isolation Kits for Ductile Iron Pipe	23	EA	3	2	3	5	2	2	1	2	3							
SPEC	Allowance for Passive Cathodic Protection System Design and Installation	2	LS																
SPEC	Allowance for Additional Flange Isolation Kits for Steel or Concrete Pipe	2	LS																
SPEC	Survey Coordinates	2	LS																
SPEC	Project Identification Signs	12	EA																
SPEC	Temporary Seeding and Mulching	200	SY																
SPEC	Sediment & Erosion Controls	2	LS																
SPEC	Video Inspection for Sewers	1000	LF																

• CONTINGENCY QUANTITIES, IF AUTHORIZED

CALCULATED  
MAC  
CHECKED  
LAM



**WATER WORK PLAN  
QUANTITIES**

**HUDSON ST**

393  
535





SHEET NO.	REFERENCE. NO.	LOCATION	STATION		SIDE	644											647								
			FROM	TO		CENTERLINE, SOLID DOUBLE YELLOW, 5"	CENTERLINE, TWLTL, 5"	TRANSVERSE /DIAGONAL LINE, YELLOW, 20"	EDGE LINE, YELLOW, 5"	CROSSWALK LINE, 10"	LANE LINE, 5"	CHANNELIZING LINE, 10"	STOP LINE, 20"	LANE ARROW	DASHED LINE, DOUBLE YELLOW, 5"	DASHED LINE, WHITE, 5"	BICYCLE DETECTOR PAVEMENT MARKING, AS PER PLAN								
			MILE	MILE		LF	MILE	LF	MILE	LF	LF	EA	LF	LF	EACH										
414	SL-2	℄ HUDSON ST	60+52		℄										21										
414	SL-3	℄ HAMILTON AVE	9+60		℄										10										
414	XW-1	℄ HUDSON ST	59+72	59+84	℄					65															
414	XW-2	℄ HUDSON ST	60+33	60+43	℄					65															
414	XW-3	℄ HAMILTON AVE	9+65	9+79	℄					74															
414	CL-1	℄ HAMILTON AVE	9+50	9+60	LT	0.01																			
414	CL-2	℄ HAMILTON AVE	9+50	9+60	RT	0.01																			
414	CL-3	℄ HUDSON ST	60+52	61+85	RT	0.03																			
414	CL-4	℄ HUDSON ST	61+25	61+85	LT/RT	0.01																			
414	YT-1	℄ HAMILTON AVE	9+50	9+60	℄			13																	
414	YT-2	℄ HUDSON ST	61+25	61+85	℄			27																	
414	CH-1	℄ HUDSON ST	60+52	61+12	LT					60															
414	LA-1	℄ HUDSON ST	57+53		℄							1													
414	LA-2	℄ HUDSON ST	59+45		℄							2													
414	LA-3	℄ HUDSON ST	60+73		℄							1													
414	LA-4	℄ HUDSON ST	60+98		℄							1													
414	LA-5	℄ HUDSON ST	62+58		℄							2													
414	LA-6	℄ HUDSON ST	63+61		℄							2													
414	LA-7	℄ HUDSON ST	65+61		℄							2													
414	LA-8	℄ HUDSON ST	66+77		℄							2													
415	CL2-1	℄ HUDSON ST	67+50	75+63	LT		0.15																		
415	CL2-2	℄ HUDSON ST	67+50	75+63	RT		0.15																		
415	CL-1	℄ HUDSON ST	75+63	77+50	LT	0.04																			
415	CL-2	℄ HUDSON ST	75+63	76+23	RT/LT	0.01																			
415	YT-1	℄ HUDSON ST	75+63	76+23	℄			37																	
415	CH-1	℄ HUDSON ST	76+38	77+50	RT					112															
415	LA-1	℄ HUDSON ST	68+83		℄							2													
415	LA-2	℄ HUDSON ST	69+84		℄							2													
415	LA-3	℄ HUDSON ST	71+86		℄							2													
415	LA-4	℄ HUDSON ST	72+99		℄							2													
415	LA-5	℄ HUDSON ST	74+99		℄							2													
415	LA-6	℄ HUDSON ST	76+61		℄							1													
415	LA-7	℄ HUDSON ST	77+11		℄							1													
416	CL-1	℄ HUDSON ST	77+50	77+93	LT	0.01																			
416	CL-2	℄ HUDSON ST	79+23	81+43	RT	0.04																			
416	CL-3	℄ HUDSON ST	80+83	81+43	RT/LT	0.01																			
416	CH-1	℄ HUDSON ST	77+50	77+93	RT					43															
416	CH-2	℄ HUDSON ST	79+23	80+68	LT					145															
416	SL-1	℄ HUDSON ST	77+93		℄									21											
416	SL-2	℄ HUDSON ST	79+23		℄									21											
<b>TOTALS CARRIED TO SHEET 397</b>						<b>0.17</b>	<b>0.30</b>	<b>77</b>	<b>0.00</b>	<b>204</b>	<b>0.00</b>	<b>360</b>	<b>73</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>								

CALCULATED  
 JPT  
 CHECKED  
 MWR  
**PAVEMENT MARKING SUBSUMMARY**  
**HUDSON ST**  
396  
535

**3575 - E**







10/5/2021 10:07:00 AM  
 02392.C Design\02392.C Design\02392.TS007.dgn  
 isettez

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)			630											632					
									GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	STREET NAME SIGN SUPPORT	SIGN SUPPORT ASSEMBLY	SIGN, FLAT SHEET	STREET NAME SIGN	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY, AS PER PLAN	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DELIVERY, AS PER PLAN	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL	SIGNAL SUPPORT, TYPE 4120, DESIGN 4	SIGNAL SUPPORT FOUNDATION		
									FT	FT	EACH	EACH	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
410	S-13	☐ HUDSON ST	35+15	LT	CP-114.01D	12	X	18				1	1.5												
410	S-14	☐ HUDSON ST	35+15	LT	SPECIAL	36	X	12						3.0											
410					SPECIAL	36	X	12				3.0													
410	S-15	☐ HUDSON ST	35+33	LT	R1-1-30	30	X	30	13.0				6.3												
410	S-16	☐ HUDSON ST	35+36	RT	R2-1-24	24	X	30				1	5.0												
410					CP-114.01D	12	X	18				1	1.5												
410	S-17	☐ HUDSON ST	36+78	LT	R2-1-24	24	X	30				1	5.0												
410	R-1	☐ HUDSON ST	27+85	LT												3									
410	R-2	☐ HUDSON ST	29+14	LT											1										
410	R-3	☐ HUDSON ST	29+14	LT											2										
410	R-4	☐ HUDSON ST	29+26	RT													4	2							
410	R-5	☐ HUDSON ST	29+36	LT									1		1										
410	R-6	☐ HUDSON ST	29+47	RT										2											
410	R-7	☐ HUDSON ST	31+21	LT										1											
410	R-8	☐ HUDSON ST	31+33	RT											3										
410	R-9	☐ HUDSON ST	32+08	LT											2										
410	R-10	☐ HUDSON ST	32+08	LT											1										
410	R-11	☐ HUDSON ST	32+31	LT										1		1									
410	R-12	☐ HUDSON ST	32+67	RT										1		1									
410	R-13	☐ HUDSON ST	33+57	RT											1				2						
410	R-14	☐ HUDSON ST	34+13	LT											1										
410	R-15	☐ HUDSON ST	34+54	RT											3										
410	R-16	☐ HUDSON ST	35+15	LT											3										
410	R-17	☐ HUDSON ST	35+32	LT											1		1								
410	R-18	☐ HUDSON ST	35+35	RT												2									
410	R-19	☐ HUDSON ST	36+78	LT												2									
411	S-1	☐ HUDSON ST	38+00	LT	CP-114.01D	12	X	18				1	1.5												
					R1-1-30	30	X	30				1	6.3												
411	S-2	☐ HUDSON ST	38+10	RT	SPECIAL	36	X	12						3.0											
					SPECIAL	36	X	12									3.0								
411	S-3	☐ HUDSON ST	38+34	LT	SPECIAL	36	X	12						3.0											
					R1-1-30	30	X	30				1	6.3												
411	S-4	☐ HUDSON ST	38+97	LT	CP-124.01L CP-823.03R	18	X	18	12.0				2.3												
411	S-5	☐ HUDSON ST	39+75	RT	R3-9b-24	24	X	36					6.0												
					CP-124.01R CP-823.03L	18	X	18				13.5				2.3									
<b>TOTALS CARRIED TO SHEET 407</b>									<b>25.0</b>	<b>13.5</b>	<b>2</b>	<b>7</b>	<b>44.0</b>	<b>18.0</b>	<b>4</b>	<b>27</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>3575-E</b>	

<b>SIGNING SUBSUMMARY</b>	<b>HUDSON ST</b>
CALCULATED JPT CHECKED MWR	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">400</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">535</span>





SHEET NO.	REFERENCE. NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)		630														632			
								GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	STREET NAME SIGN SUPPORT	SIGN SUPPORT ASSEMBLY	SIGN, FLAT SHEET	STREET NAME SIGN	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY, AS PER PLAN	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DELIVERY, AS PER PLAN	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL	SIGNAL SUPPORT, TYPE 4120, DESIGN 4	SIGNAL SUPPORT FOUNDATION			
								FT	FT	EACH	EACH	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH					
411	R-11	℄ HUDSON ST	41+36	RT											1										
411	R-12	℄ HUDSON ST	42+53	LT											1										
411	R-13	℄ HUDSON ST	43+24	RT											2					1					
411	R-14	℄ HUDSON ST	43+24	RT											1										
411	R-15	℄ HUDSON ST	43+25	RT																					
411	R-16	℄ HUDSON ST	43+26	LT											1										
411	R-17	℄ HUDSON ST	43+92	LT											2										
411	R-18	℄ HUDSON ST	44+40	RT																					
411	R-19	℄ HUDSON ST	45+63	LT																					
411	R-20	℄ HUDSON ST	46+81	LT																					
411	R-21	℄ HUDSON ST	47+44	RT																					
411	R-22	℄ HUDSON ST	47+47	RT																					
412	S-1	℄ HUDSON ST	48+06	LT	CP-114.01D	12	X	18																	
412	S-2	℄ HUDSON ST	49+33	LT	R2-1-24	24	X	30																	
					CP-114.01D	12	X	18																	
412	S-3	℄ HUDSON ST	50+50	RT	R1-1-30	30	X	30																	
					SPECIAL	36	X	12	1				3.0												
					SPECIAL	36	X	12					3.0												
412	S-4	℄ HUDSON ST	51+00	LT	R3-9cP-24	24	X	6																	
					R3-9b-24	24	X	36	13.5																
					CP-114.001D	12	X	18																	
412	S-5	℄ HUDSON ST	51+65	LT	CP-124.01L	18	X	18																	
					CP-823.03R																				
412	S-6	℄ HUDSON ST	51+85	RT	R3-H8bh-36	36	X	30																	
					CP-114.01D	12	X	18	13.0																
412	R-1	℄ HUDSON ST	48+06	LT																					
412	R-2	℄ HUDSON ST	49+33	LT																					
412	R-3	℄ HUDSON ST	50+50	RT																					
412	R-4	℄ HUDSON ST	50+54	LT																					
412	R-5	℄ HUDSON ST	51+65	LT																					
412	R-6	℄ HUDSON ST	51+78	RT																					
412	R-7	℄ HUDSON ST	51+81	LT																					
413	S-1	℄ HUDSON ST	52+57	LT	M4-5-24	24	X	12																	
					M1-1-24-2	24	X	24																	
					M6-3-21	21	X	15																	
					CP-124.01R	18	X	18																	
					CP-823.03L																				
413	S-2	℄ HUDSON ST	52+70	RT	R3-H8bh-36	36	X	30																	
413	S-3	℄ MCGUFFEY RD	10+59	LT	R3-H8b-48	48	X	30																	
413	S-4	℄ MCGUFFEY RD	9+29	LT	CP-114.01D	12	X	18																	
413	S-5	℄ MCGUFFEY RD	10+67	RT	CP-114.01D	12	X	18	12.0																
<b>TOTALS CARRIED TO SHEET 407</b>								<b>12.0</b>	<b>39.5</b>	<b>1</b>	<b>11</b>	<b>65.1</b>	<b>6.0</b>	<b>7</b>	<b>22</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3575-E</b>		

CALCULATED	JPT	CHECKED	MWR
<b>SIGNING SUBSUMMARY</b>			
<b>HUDSON ST</b>			
			(402) 535

SHEET NO.	REFERENCE. NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630												632				
							GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	STREET NAME SIGN SUPPORT	SIGN SUPPORT ASSEMBLY	SIGN, FLAT SHEET	STREET NAME SIGN	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY, AS PER PLAN	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DELIVERY, AS PER PLAN	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL	SIGNAL SUPPORT, TYPE 4120, DESIGN 4			SIGNAL SUPPORT FOUNDATION
							FT	FT	EACH	EACH	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH				
413	S-6	℄ MCGUFFEY RD	9+44	RT	R3-H8bh-36	36 X 30		13.0			7.5												
413	S-7	℄ HUDSON ST	53+89	LT	R3-H8bh-36	36 X 30		13.0			7.5												
413	S-8	℄ HUDSON ST	54+00	RT	CN-454	24 X 36	13.5				6.0												
413	S-9	℄ HUDSON ST	54+70	RT	R2-1-24	24 X 30	13.5				5.0												
					CP-124.01R	18 X 18					2.3												
					CP-823.03L	18 X 18																	
413	S-10	℄ HUDSON ST	55+07	LT	R3-H8bh-36	36 X 30					1	7.5											
					CP-114.01D	12 X 18					1	1.5											
413	S-11	℄ HUDSON ST	56+06	RT	CP-124.01L	18 X 18	12.0				2.3												
					CP-823.03R	18 X 18																	
413	S-12	℄ HUDSON ST	56+26	LT	CP-114.01D	12 X 18					1	1.5											
413	S-13	℄ HUDSON ST	56+82	LT	R1-1-30	30 X 30	13.0					6.3											
413	S-14	℄ HUDSON ST	56+92	RT	R1-1-30	30 X 30					1	6.3											
					SPECIAL	36 X 12						3.0											
					SPECIAL	36 X 12						3.0											
413	S-15	℄ HUDSON ST	57+29	LT	SPECIAL	36 X 12						3.0											
					SPECIAL	36 X 12						3.0											
413	R-1	℄ HUDSON ST	52+64	RT									1		1								
413	R-2	℄ MCGUFFEY RD	10+61	LT									1		1								
413	R-3	℄ MCGUFFEY RD	9+23	LT									1		1								
413	R-4	℄ MCGUFFEY RD	10+69	RT									1		1								
413	R-5	℄ MCGUFFEY RD	9+48	RT									1		1								
413	R-6	℄ HUDSON ST	53+84	LT									1		1								
413	R-7	℄ HUDSON ST	53+86	RT										1									
413	R-8	℄ HUDSON ST	54+60	RT										2		1							
413	R-9	℄ HUDSON ST	55+00	LT											1								
413	R-10	℄ HUDSON ST	55+07	LT											1								
413	R-11	℄ HUDSON ST	56+26	LT											1								
413	R-12	℄ HUDSON ST	56+83	LT									1		1								
413	R-13	℄ HUDSON ST	56+92	RT											3								
413	R-14	℄ HUDSON ST	57+29	LT											2								
414	S-1	℄ HUDSON ST	58+60	LT	CP-114.01D	12 X 18					1	1.5											
414	S-2	℄ HUDSON ST	59+58	RT	R3-9dP-24	24 X 6	13.5					1.0											
					R3-9b-24	24 X 36						6.0											
414	S-3	℄ HUDSON ST	59+69	LT	CN-454	24 X 36					1	6.0											
414	S-4	℄ HUDSON ST	60+26	RT	R3-H6a-30	30 X 36						7.5											
414	S-5	℄ HUDSON ST	61+15	LT	R3-H8ba-30	30 X 30						6.3											
414	S-6	℄ HUDSON ST	61+20	RT	CP-114.01D	12 X 18	12.0					1.5											
414	S-7	℄ HUDSON ST	61+94	RT	R3-9cP-24	24 X 6	14.0					1.0											
					R3-9b-24	24 X 36						6.0											
414	S-8	℄ HUDSON ST	62+27	LT	R2-1-24	24 X 30					1	5.0											
					CP-114.01D	12 X 18					1	1.5											
414	S-9	℄ HUDSON ST	62+55	RT	CP-114.01D	12 X 18	12.0					1.5											
<b>TOTALS CARRIED TO SHEET 407</b>							<b>62.5</b>	<b>93.5</b>	<b>1</b>	<b>8</b>	<b>98.5</b>	<b>12.0</b>	<b>9</b>	<b>9</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3575-E</b>

CALCULATED  
JPT  
CHECKED  
MWR

**SIGNING SUBSUMMARY**

**HUDSON ST**

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SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)			630										632			
									GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	STREET NAME SIGN SUPPORT	SIGN SUPPORT ASSEMBLY	SIGN, FLAT SHEET	STREET NAME SIGN	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY, AS PER PLAN	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DELIVERY, AS PER PLAN	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL		
									FT	FT	EACH	EACH	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
414	S-10	☪ HUDSON ST	63+25	RT	SPECIAL	36	X	12														
					SPECIAL	36	X	12														
					R1-1-30	30	X	30														
					CP-114.01D	12	X	18														
414	S-11	☪ HUDSON ST	63+48	LT	CP-114.01D	12	X	18														
414	S-12	☪ HUDSON ST	63+50	RT	CN-454	24	X	36	13.5													
					CP-124.01L																	
					CP-823.03R																	
414	S-13	☪ HUDSON ST	64+36	LT	CP-124.01R	18	X	18	12.0													
					CP-823.03L																	
414	S-14	☪ HUDSON ST	65+18	LT	CP-124.01R	18	X	18	12.0													
					CP-823.03L																	
414	S-15	☪ HUDSON ST	65+93	LT	SPECIAL	36	X	12														
					SPECIAL	36	X	12														
414	S-16	☪ HUDSON ST	66+08	LT	R1-1-30	30	X	30	13.0													
					R1-1-30	30	X	30														
414	S-17	☪ HUDSON ST	66+43	RT	SPECIAL	36	X	12														
					SPECIAL	36	X	12														
414	S-18	☪ HUDSON ST	67+25	RT	CP-124.01R	18	X	18	12.0													
					CP-823.03L																	
414	S-19	☪ HUDSON ST	67+40	LT	CP-114.01D	12	X	18														
414	R-1	☪ HUDSON ST	61+06	LT																		
414	R-2	☪ HUDSON ST	61+18	RT																		
414	R-3	☪ HUDSON ST	62+27	LT																		
414	R-4	☪ HUDSON ST	63+25	RT																		
414	R-5	☪ HUDSON ST	63+32	RT																		
414	R-6	☪ HUDSON ST	63+37	RT																		
414	R-7	☪ HUDSON ST	63+48	LT																		
414	R-8	☪ HUDSON ST	64+76	LT																		
414	R-9	☪ HUDSON ST	65+66	LT																		
414	R-10	☪ HUDSON ST	65+93	LT																		
414	R-11	☪ HUDSON ST	66+08	LT																		
414	R-12	☪ HUDSON ST	66+45	RT																		
414	R-13	☪ HUDSON ST	67+40	LT																		
415	S-1	☪ HUDSON ST	67+94	RT	CP-124.01L	18	X	18	12.0													
					CP-823.03R																	
415	S-2	☪ HUDSON ST	68+60	LT	CP-114.01D	12	X	18														
					SPECIAL	36	X	12														
					SPECIAL	36	X	12														
415	S-3	☪ HUDSON ST	69+49	RT	R6-2R-24	24	X	30														
					R6-2L-24	24	X	30														
415	S-4	☪ HUDSON ST	69+85	RT	CP-114.01D	12	X	18	12.0													
415	S-5	☪ HUDSON ST	70+76	LT	CP-114.01D	12	X	18														

SIGNING SUBSUMMARY

HUDSON ST

CALCULATED
JPT
CHECKED
MWR

TOTALS CARRIED TO SHEET 407

86.5   0.0   3   9   53.1   24.0   12   7   8   0   0   0   0   0   0

3575-E

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SHEET NO.	REFERENCE. NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)			630										632							
									GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	STREET NAME SIGN SUPPORT	SIGN SUPPORT ASSEMBLY	SIGN, FLAT SHEET	STREET NAME SIGN	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY, AS PER PLAN	REMOVAL OF GROUND MOUNTED SIGN SUPPORT AND DELIVERY, AS PER PLAN	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL	SIGNAL SUPPORT, TYPE 4120, DESIGN 4	SIGNAL SUPPORT FOUNDATION			
									FT	FT	EACH	EACH	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH				
415	S-6	☉ HUDSON ST	71+65	RT	CP-114.01D	12	X	18	12.0					1.5												
415	S-7	☉ HUDSON ST	72+08	LT	SPECIAL	36	X	12							3.0											
415	S-7	☉ HUDSON ST	72+08	LT	SPECIAL	36	X	12							3.0											
415	S-8	☉ HUDSON ST	72+27	LT	R1-1-30	30	X	30				1	6.3													
415	S-8	☉ HUDSON ST	72+27	LT	R1-1-30	30	X	30				1	6.3													
415	S-9	☉ HUDSON ST	72+59	RT	SPECIAL	36	X	12			1				3.0											
415	S-9	☉ HUDSON ST	72+59	RT	SPECIAL	36	X	12							3.0											
415	S-10	☉ HUDSON ST	73+32	LT	CP-114.01D	12	X	18				1	1.5													
415	S-11	☉ HUDSON ST	75+67	LT	R3-9cP-24	24	X	12				1	2.0													
415	S-11	☉ HUDSON ST	75+67	LT	R3-9b-24	24	X	36				1	6.0													
415	S-12	☉ HUDSON ST	76+70	RT	R3-H8bh-36	36	X	30		13.0				7.5												
415	S-13	☉ HUDSON ST	76+84	LT	CP-124.01L	18	X	18				1	2.3													
415	S-13	☉ HUDSON ST	76+84	LT	CP-823.03R																					
415	S-14	☉ HUDSON ST	77+40	RT	SPECIAL	36	X	30		13.0				7.5												
415	R-1	☉ HUDSON ST	69+51	RT											4		1									
415	R-2	☉ HUDSON ST	69+76	RT											1		1									
415	R-3	☉ HUDSON ST	70+76	LT												1										
415	R-4	☉ HUDSON ST	72+08	LT												3										
415	R-5	☉ HUDSON ST	72+18	RT											2		1									
415	R-6	☉ HUDSON ST	72+27	LT												1										
415	R-7	☉ HUDSON ST	72+57	RT											1		1									
415	R-8	☉ HUDSON ST	73+57	LT											1		1									
415	R-9	☉ HUDSON ST	74+74	LT											1		1									
415	R-10	☉ HUDSON ST	75+67	LT												1										
415	R-11	☉ HUDSON ST	76+84	LT												1										
415	R-12	☉ HUDSON ST	77+28	RT											1		1									
416	S-1	☉ HUDSON ST	77+81	LT	CP-124.01R	18	X	18	12.0					2.3												
416	S-1	☉ HUDSON ST	77+81	LT	CP-823.03L																					
416	S-2	☉ HUDSON ST	77+90	RT	R10-6-24	24	X	36	13.5					6.0												
416	S-3	☉ HUDSON ST	78+23	LT	CN-454	24	X	36				1	6.0													
416	S-4	☉ HUDSON ST	78+47	LT	R10-22-12	12	X	24	12.5					2.0												
416	S-4	☉ HUDSON ST	78+47	RT	CN-454	24	X	36						6.0												
416	S-5	☉ HUDSON ST	79+20	RT	CP-124.01R	18	X	18		13.5				2.3												
416	S-5	☉ HUDSON ST	79+20	RT	CP-823.03L																					
416	S-6	☉ HUDSON ST	79+47	LT	CP-114.01D	12	X	18				1	1.5													
416	S-6	☉ HUDSON ST	79+47	LT	R2-1-24	24	X	30						5.0												
416	S-7	☉ HUDSON ST	80+15	RT	CP-124.01L	18	X	18		13.5				2.3												
416	S-7	☉ HUDSON ST	80+15	RT	CP-823.03R																					
416	S-8	☉ HUDSON ST	80+20	LT	R3-H8bh-36	36	X	30		13.0				7.5												
416	S-9	☉ HUDSON ST	80+70	LT	SPECIAL	36	X	30				1	7.5													
416	S-10	☉ HUDSON ST	81+50	RT	R3-9cP-24	24	X	6						1.0												
416	S-10	☉ HUDSON ST	81+50	RT	R3-9b-24	24	X	36		14.0				6.0												
<b>TOTALS CARRIED TO SHEET 407</b>									<b>50.0</b>	<b>80.0</b>	<b>1</b>	<b>9</b>	<b>96.3</b>	<b>12.0</b>	<b>11</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3575-E</b>	

**SIGNING SUBSUMMARY**

**HUDSON ST**

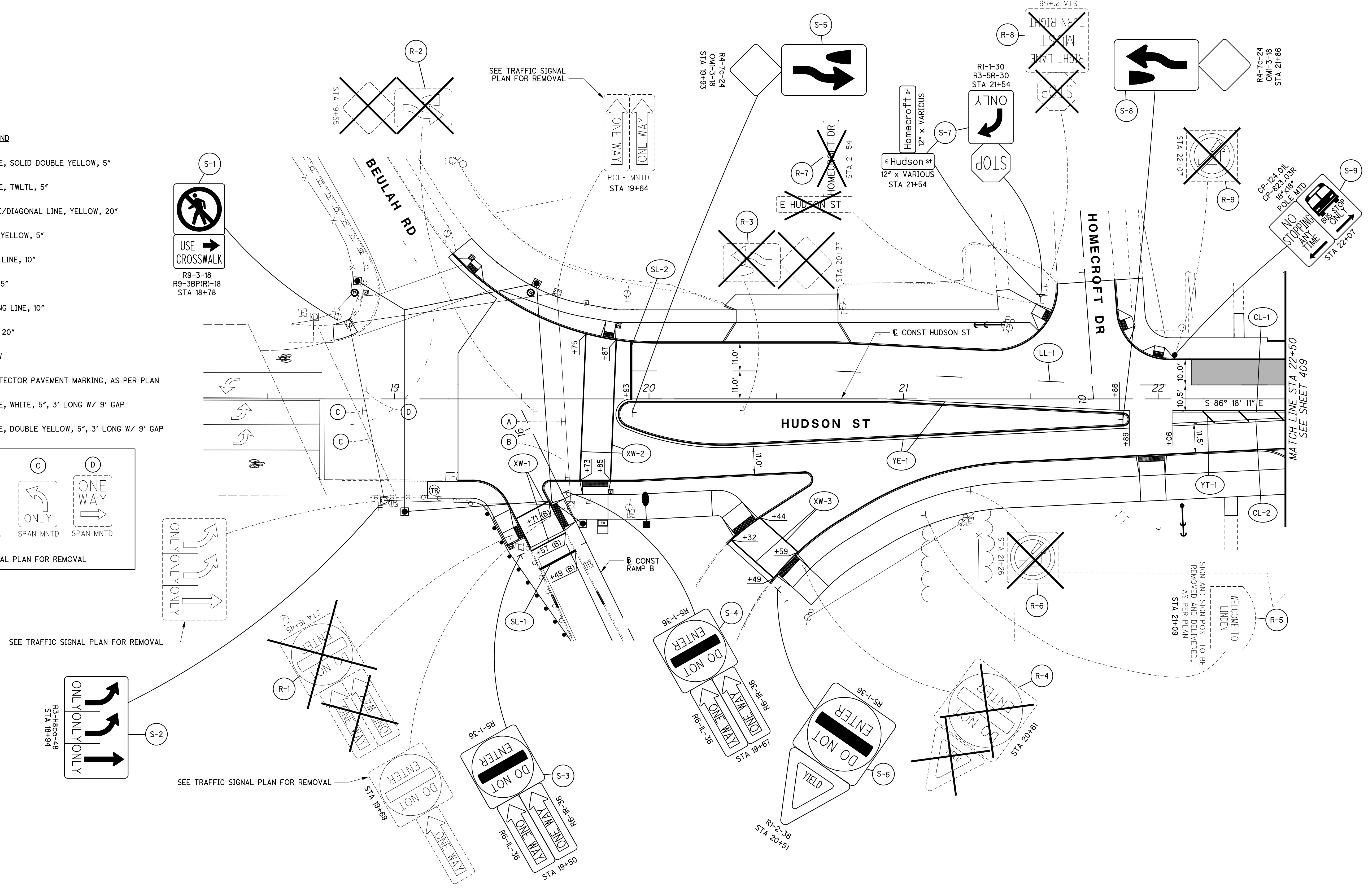
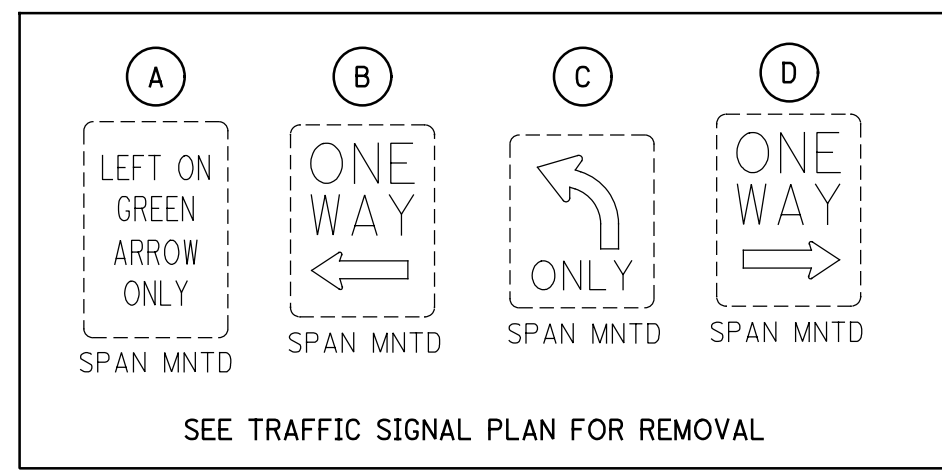
CALCULATED  
 JPT  
 CHECKED  
 MWR

405  
535





- LEGEND**
- CL CENTER LINE, SOLID DOUBLE YELLOW, 5"
  - CL2 CENTER LINE, TWLTL, 5"
  - YT TRANSVERSE/DIAGONAL LINE, YELLOW, 20"
  - YE EDGE LINE, YELLOW, 5"
  - XW CROSSWALK LINE, 10"
  - LL LANE LINE, 5"
  - CH CHANNELIZING LINE, 10"
  - SL STOP LINE, 20"
  - LA LANE ARROW
  - BD BICYCLE DETECTOR PAVEMENT MARKING, AS PER PLAN
  - DLW DASHED LINE, WHITE, 5", 3' LONG W/ 9' GAP
  - DLY DASHED LINE, DOUBLE YELLOW, 5", 3' LONG W/ 9' GAP

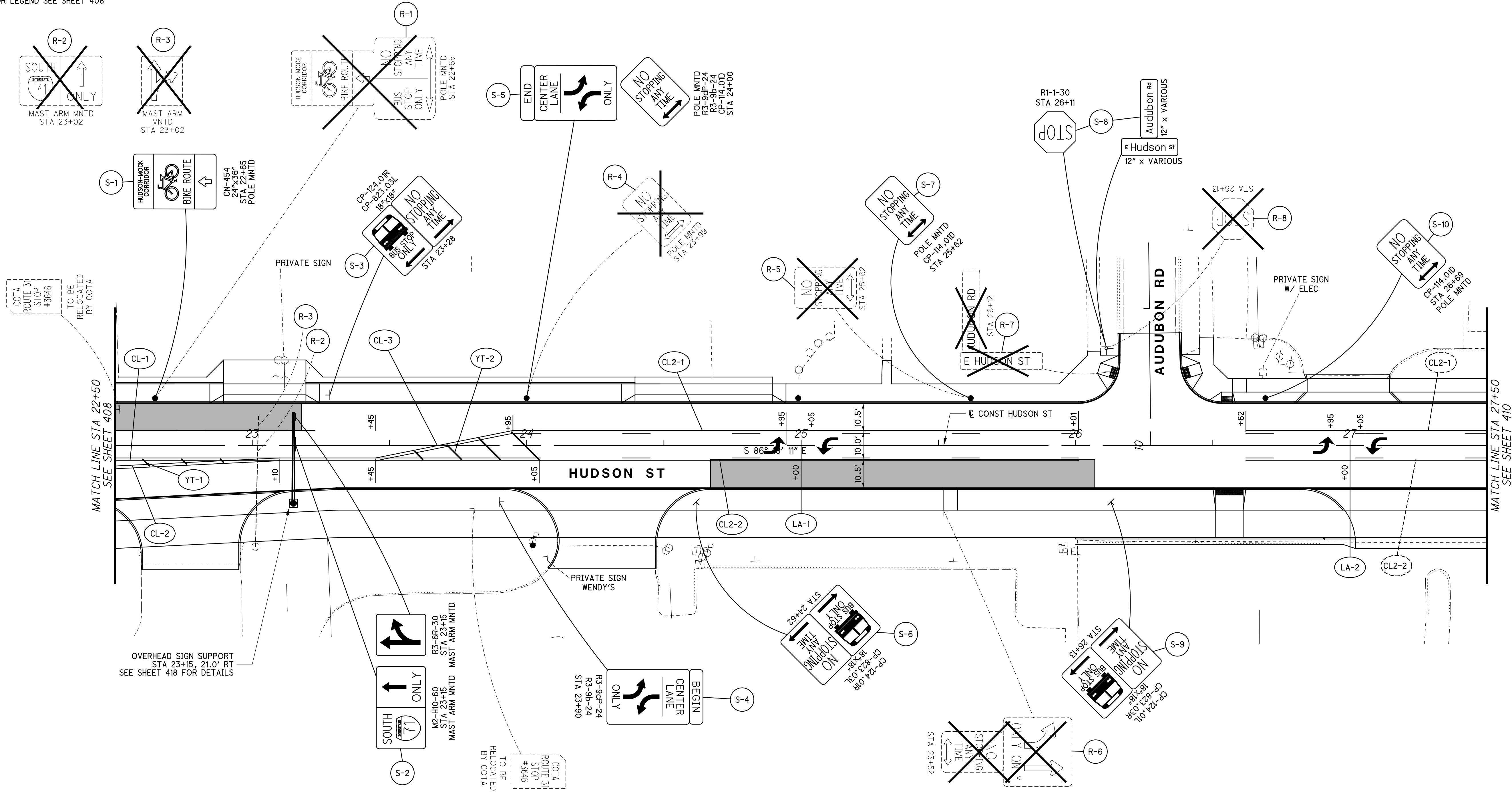


ALL STATIONING BASED ON  $\odot$  CONST HUDSON ST  
 UNLESS OTHERWISE NOTED  
 (B) =  $\odot$  CONST RAMP B

	<p>0 20 40 HORIZONTAL SCALE IN FEET</p>
<p>CALCULATED JAL CHECKED MWR</p>	<p><b>TRAFFIC CONTROL - HUDSON ST                  BEGIN PROJECT TO STA 22+50</b></p>
<p><b>HUDSON ST</b></p>	<p>408 535</p>



FOR LEGEND SEE SHEET 408



CALCULATED  
JAL  
CHECKED  
MWR

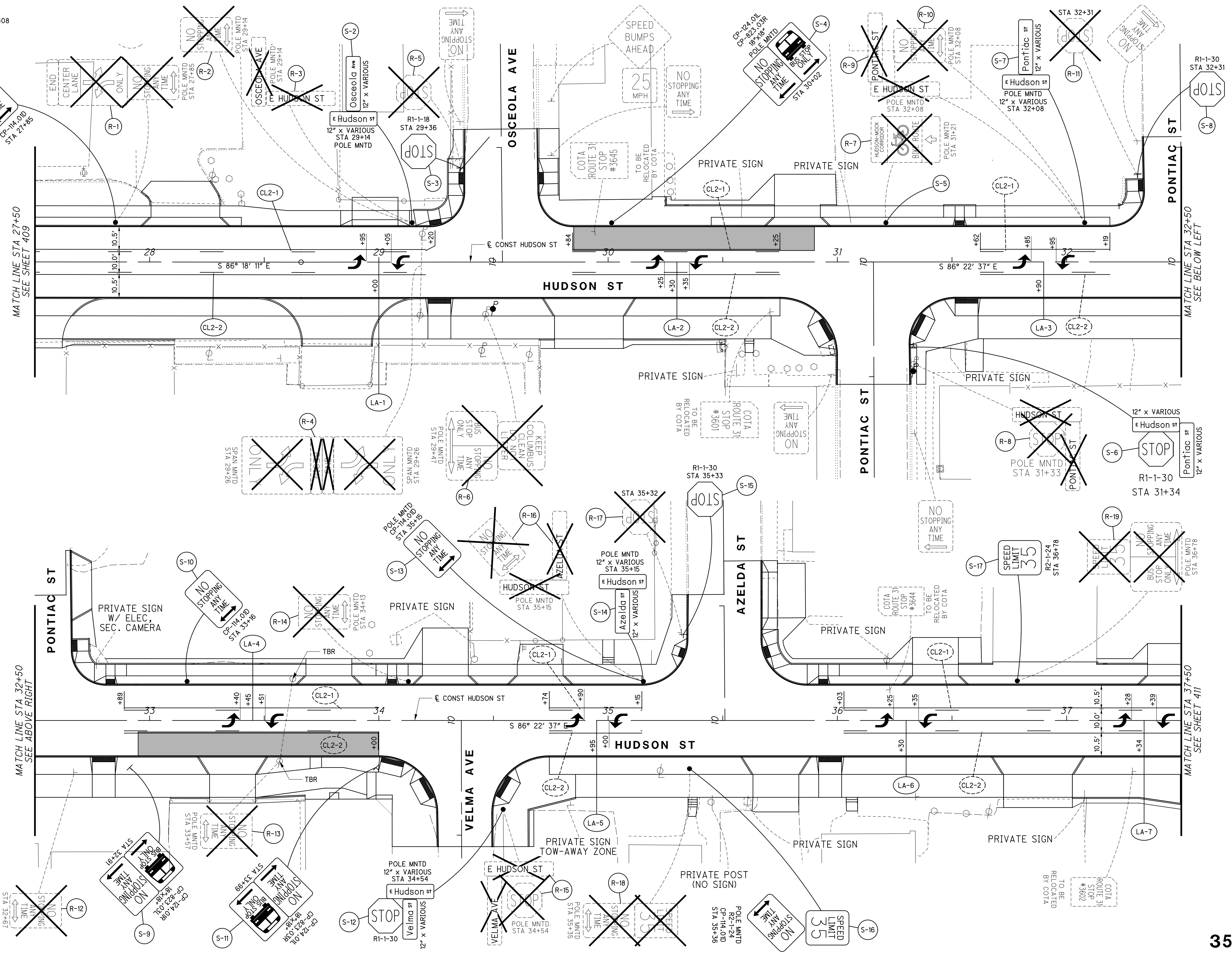
0 20 40  
10  
HORIZONTAL  
SCALE IN FEET

TRAFFIC CONTROL - HUDSON ST  
STA 22+50 TO STA 27+50

HUDSON ST

FOR LEGEND SEE SHEET 408

S-5  
 CN-454  
 24"x36"  
 CP-124.01R  
 CP-823.03L  
 18"x18"  
 POLE MNTD  
 HUDSON-MOCK  
 CORRIDOR  
 BIKE ROUTE  
 BUS STOP ONLY  
 NO STOPPING ANY TIME  
 STA 31+21



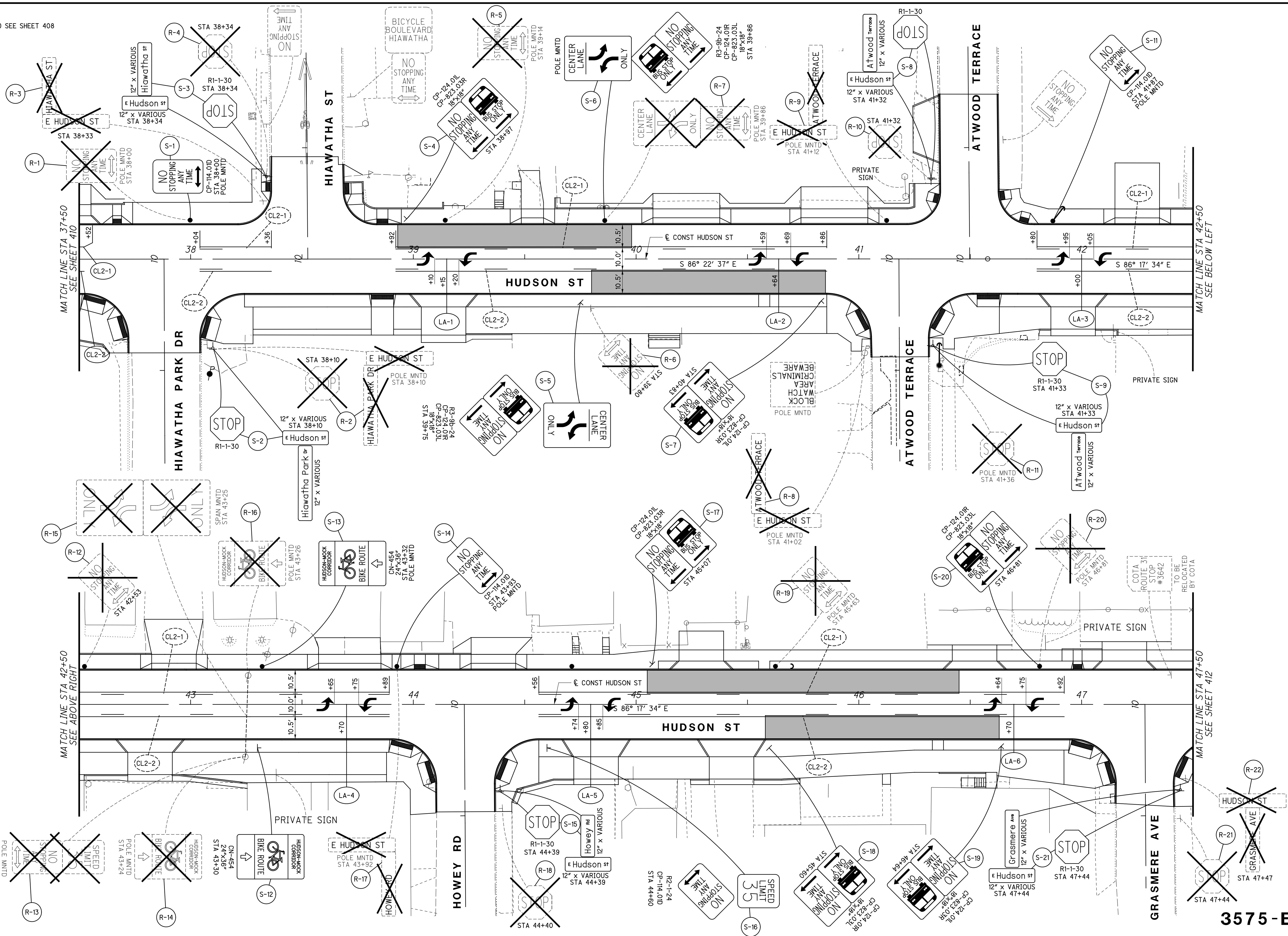
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 JAL  
 CHECKED  
 MWR

**TRAFFIC CONTROL - HUDSON ST**  
**STA 27+50 TO STA 37+50**

**HUDSON ST**

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CALCULATED  
JAL  
CHECKED  
MWR

0 20 40  
HORIZONTAL  
SCALE IN FEET

TRAFFIC CONTROL - HUDSON ST  
STA 37+50 TO STA 47+50

HUDSON ST

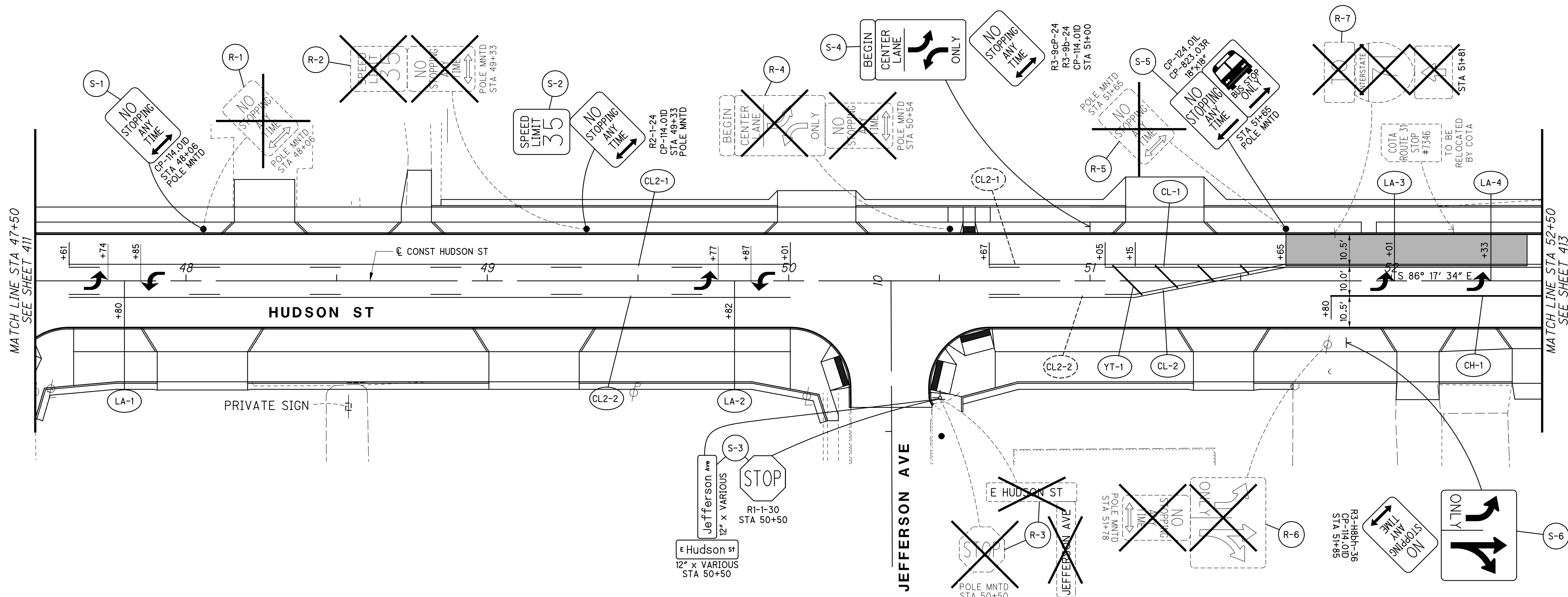
411  
535

3575-E

CALCULATED  
JAL

CHECKED  
MWR

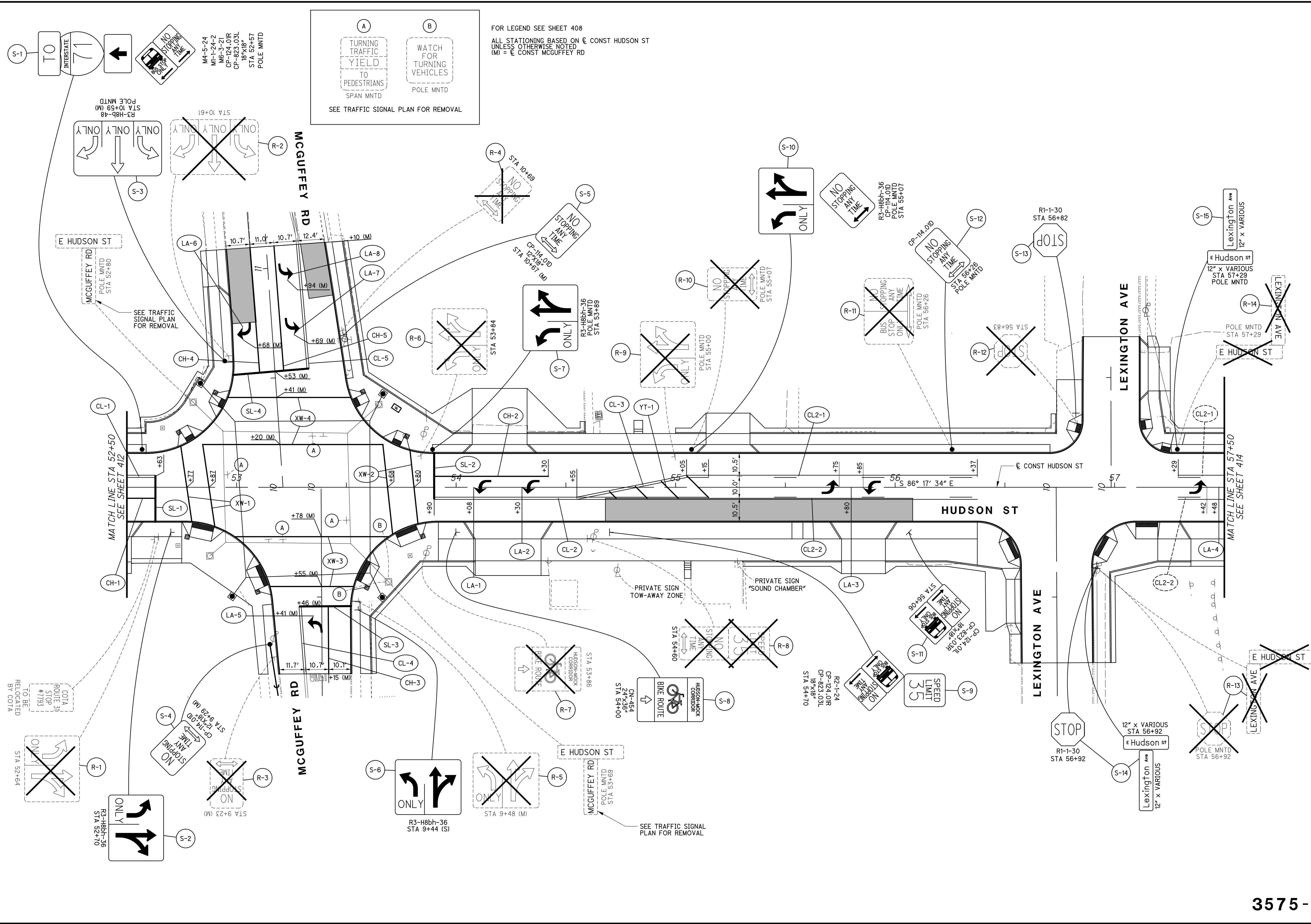
0 20 40  
HORIZONTAL  
SCALE IN FEET



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TRAFFIC CONTROL - HUDSON ST  
STA 47+50 TO STA 52+50

HUDSON ST



FOR LEGEND SEE SHEET 408  
ALL STATIONING BASED ON  $\ominus$  CONST HUDSON ST  
UNLESS OTHERWISE NOTED  
(M) =  $\ominus$  CONST MCGUFFEY RD

(A) TURNING TRAFFIC YIELD TO PEDESTRIANS SPAN MNTD  
(B) WATCH FOR TURNING VEHICLES POLE MNTD  
SEE TRAFFIC SIGNAL PLAN FOR REMOVAL

TRAFFIC CONTROL - HUDSON ST  
STA 52+50 TO STA 57+50

HUDSON ST

413  
535

3575-E

CALCULATED JAL  
CHECKED MWR

0 10 20 40  
HORIZONTAL SCALE IN FEET

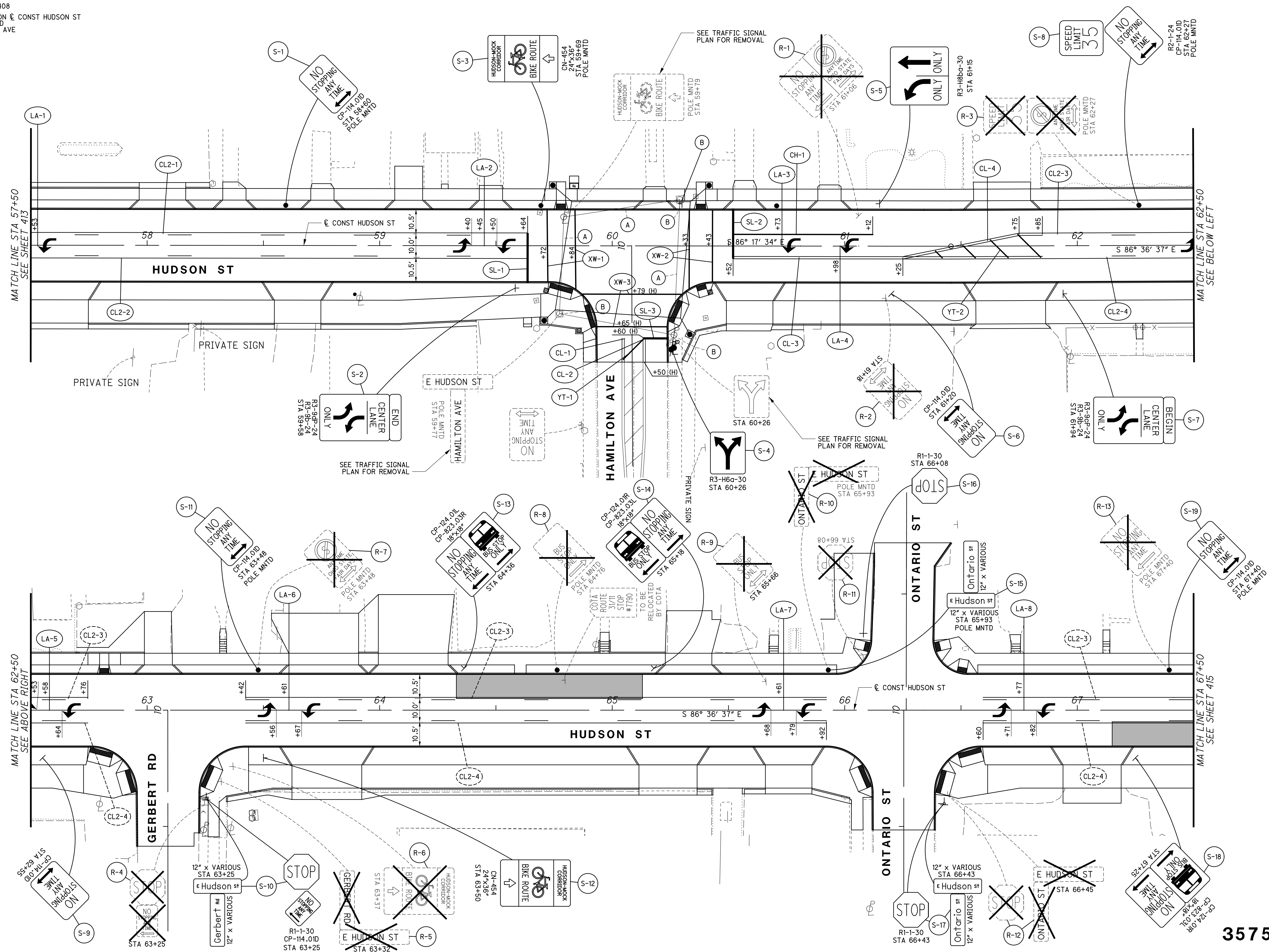
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FOR LEGEND SEE SHEET 408  
ALL STATIONING BASED ON @ CONST HUDSON ST  
UNLESS OTHERWISE NOTED  
(H) = @ CONST HAMILTON AVE

**A**  
TURNING TRAFFIC YIELD TO PEDESTRIANS  
SPAN MNTD STA 60+28

**B**  
WATCH FOR TURNING VEHICLES  
POLE MNTD STA 60+30

SEE TRAFFIC SIGNAL PLAN FOR REMOVAL



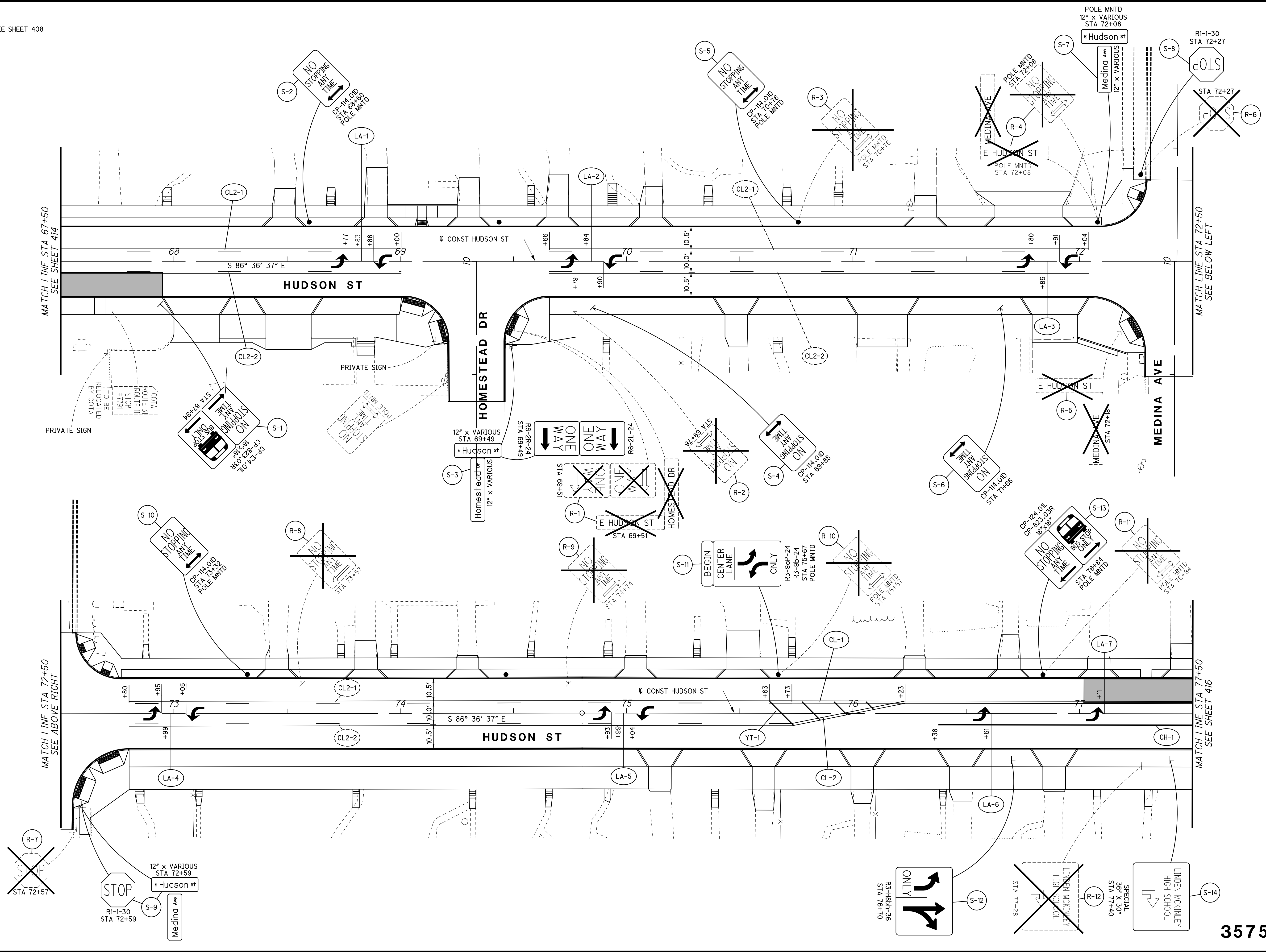
CALCULATED JAL  
CHECKED MWR

0 20 40  
10 HORIZONTAL SCALE IN FEET

TRAFFIC CONTROL - HUDSON ST  
STA 57+50 TO STA 67+50

HUDSON ST

3575-E



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CALCULATED  
JAL  
CHECKED  
MWR

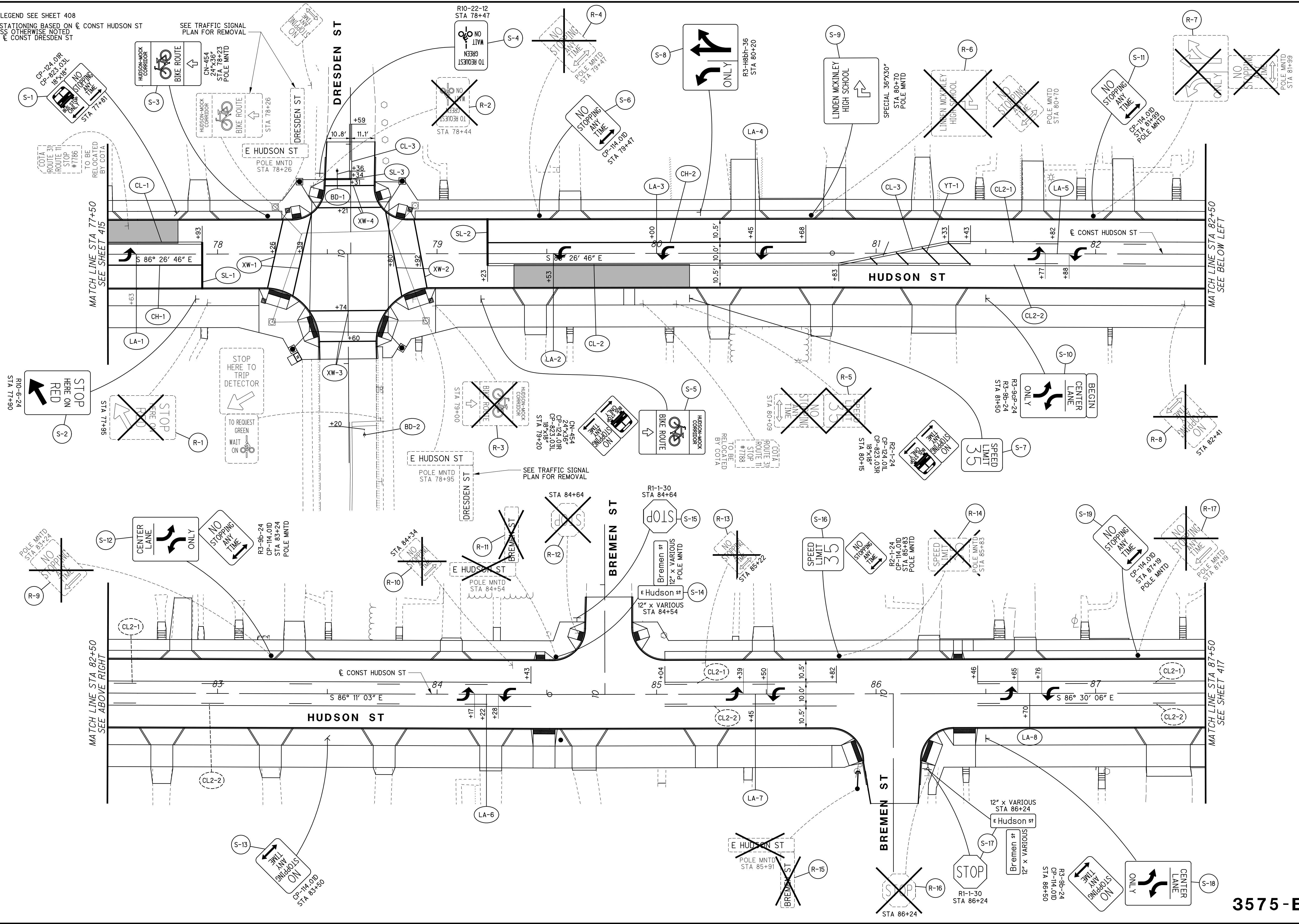
0 20 40  
HORIZONTAL  
SCALE IN FEET

TRAFFIC CONTROL - HUDSON ST  
STA 67+50 TO STA 77+50

HUDSON ST

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10/5/2021  
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FOR LEGEND SEE SHEET 408  
ALL STATIONING BASED ON  $\odot$  CONST HUDSON ST  
UNLESS OTHERWISE NOTED  
(D) =  $\odot$  CONST DRESDEN ST



CALCULATED  
JAL  
CHECKED  
MWR

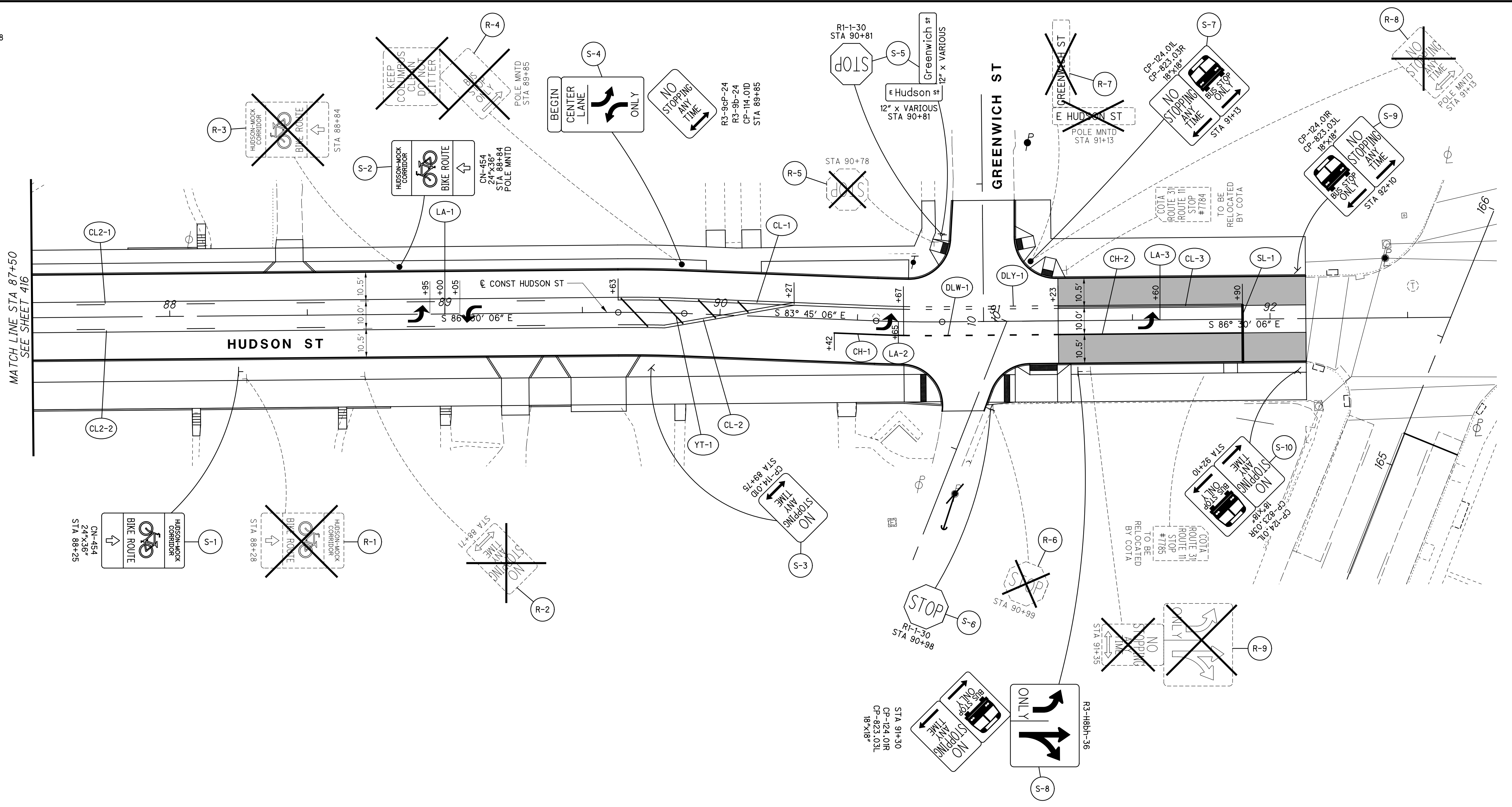
0 20 40  
HORIZONTAL  
SCALE IN FEET

TRAFFIC CONTROL - HUDSON ST  
STA 77+50 TO STA 87+50

HUDSON ST



FOR LEGEND SEE SHEET 408

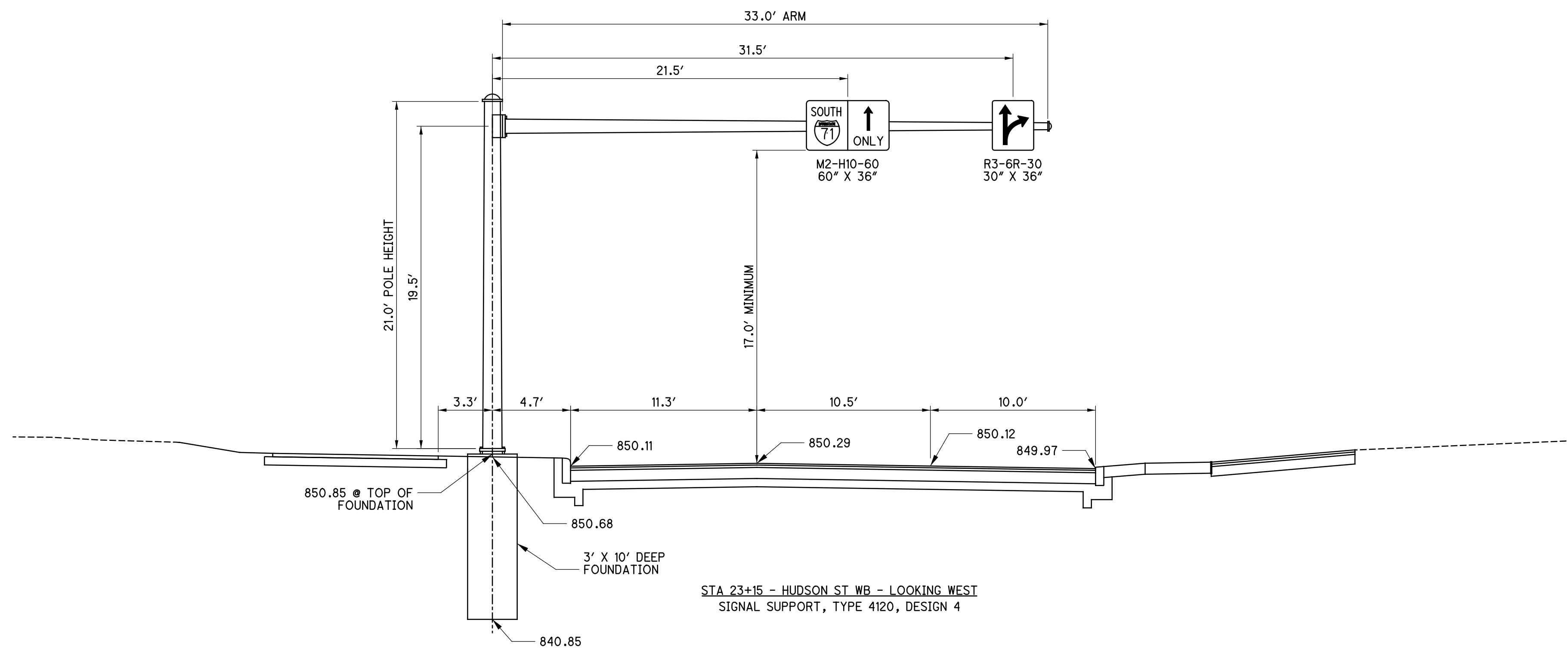


CALCULATED  
JAL  
CHECKED  
MWR

0 20 40  
HORIZONTAL  
SCALE IN FEET

TRAFFIC CONTROL - HUDSON ST  
STA 87+50 TO STA 92+65

HUDSON ST



**GENERAL**

THE DIVISION OF DESIGN AND CONSTRUCTION IS A SUBUNIT OF THE CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE AND IS OWNER OF PART OR ALL OF THE FACILITIES COVERED BY THESE PLANS.

ALL INCIDENTAL WORK ITEMS CALLED FOR IN THESE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR AND THE TOTAL COST OF SAID ITEMS SHALL BE INCLUDED IN THE PRICE OF ITS ASSOCIATED BID ITEM.

**EXISTING UTILITIES:**

THE DIVISION OF DESIGN AND CONSTRUCTION ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OR THE DEPTHS OF THE UNDERGROUND FACILITIES SHOWN ON THESE PLANS. SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE VARIOUS ITEMS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AND THE FOLLOWING CITY UTILITIES SO THEIR RESPECTIVE UTILITIES CAN BE MARKED. THE PROJECT ENGINEER SHALL NOT AUTHORIZE THE START OF ANY SIGNAL UNDERGROUND WORK UNTIL ALL UTILITIES HAVE BEEN MARKED.

Contact	Phone Number	Fax/Email
Sewers and Drains	(614) 645-7102	-
Electricity	(614) 645-7627	RSCHNEIDER@COLUMBUS.GOV
Traffic Management	(614) 645-7393	TRAFFICLOCATOR@COLUMBUS.GOV
Water	(614) 645-7788	-
Technology	(614) 645-7756	(614) 645-6627
Communications	(614) 724-7047	(614) 645-6588
Police	(614) 645-0159	JC.JOHNSTON@COLUMBUSPOLICE.ORG

**PLAN AND SPECIFICATION COMPLIANCE**

THE CONTRACTOR SHALL FURNISH AND INSTALL TRAFFIC SIGNAL DEVICES IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS, THE 2018 CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS AND ITS SUPPLEMENTAL SPECIFICATIONS, OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND THE STANDARD CONSTRUCTION DRAWINGS ISSUED BY THE CITY OF COLUMBUS. THE CITY OF COLUMBUS, SHALL DETERMINE WHETHER THE SUPPLIED ITEMS MEET OR EXCEED THESE SPECIFICATIONS.

TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL MEET OR EXCEED THE STANDARDS SPECIFIED IN THE FOLLOWING DOCUMENTS:

- (A) SPECIFICATIONS LISTED IN THIS PLAN;
- (B) APPLICABLE SECTIONS OF NEMA STANDARDS PUBLICATION NO. TS2-1998 AND/OR TS1 1989;
- (C) 2018 CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS 625, 632, 633, 725, 732 & 733;
- (D) CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWINGS

IN CASE OF A CONFLICTING SPECIFICATION STATEMENT, THE SPECIFICATION DOCUMENT HIERARCHY SHALL BE IN THE ORDER LISTED FROM (A) HIGHEST, TO (D) LOWEST.

**MAINTENANCE OF TRAFFIC SIGNAL INSTALLATIONS**

**A) PROPOSED TRAFFIC SIGNAL INSTALLATION**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PROPOSED TRAFFIC SIGNAL DEVICES UNDER THE FOLLOWING CONDITIONS FROM THE TIME OF INSTALLATION UNTIL THE DEVICE HAS BEEN ACCEPTED BY THE CITY.

THE CONTRACTOR SHALL PROVIDE 2 OR MORE CONTACTS WHO CAN RECEIVE ALL DEVICE OUT-OF-SERVICE CALLS THAT FALL UNDER THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL DISPATCH MAINTENANCE PERSONNEL TO CORRECT THE PROBLEM. THE CONTRACTOR SHALL PROVIDE THE CITY AND THE PROJECT ENGINEER WITH ADDRESSES AND PHONE NUMBERS OF THESE CONTACTS. MAINTENANCE PERSONNEL MAY BE USED TO PERFORM OTHER DUTIES AS LONG AS PROMPT ATTENTION IS GIVEN TO THESE CALLS AND A PERSON IS CONTINUOUSLY AVAILABLE 24 HOURS A DAY AND 7 DAYS A WEEK. THE CONTRACTOR SHALL PROVIDE MAINTENANCE SERVICE ENTIRELY WITH HIS PERSONNEL.

THE CONTRACTOR SHALL CORRECT ALL BULB OUTAGES, DEVICE MALFUNCTIONS OF ANY TYPE, INTERNAL CABINET POWER LOSSES, SPAN OR CABLE PROBLEMS AND MISALIGNED OR DAMAGED VEHICULAR OR PEDESTRIAN SIGNAL HEADS WITHIN 2 HOURS AFTER THE CONTRACTOR'S CONTACT PERSON HAS BEEN NOTIFIED OF ANY ONE OF THE ABOVE. IN THE EVENT A NEW SIGNAL DEVICE IS DAMAGED PRIOR TO ACCEPTANCE, THE DAMAGED DEVICE, EXCEPT POLES, SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY. ANY DAMAGED CABINET ASSEMBLY DEVICE IF REPAIRED SHALL BE TESTED ONCE AGAIN BY THE CITY BEFORE THE DEVICE CAN BE INSTALLED.

IN THE EVENT OF A LOSS OF POWER TO THE SIGNAL INDICATIONS OTHER THAN AN ELECTRIC COMPANY GENERAL POWER OUTAGE, THE CONTRACTOR, AT HIS EXPENSE, SHALL IMMEDIATELY TAKE ACTION (WITHIN 30 MINUTES) TO PROPERLY ERECT TEMPORARY STOP SIGN(S) AND PROVIDE POLICE OFFICER(S) TO DIRECT TRAFFIC UNTIL THE SIGNAL IS BACK ON "FLASH" OR OPERATING PROPERLY.

IF A TRAFFIC STRAIN, SUPPORT OR PEDESTAL POLE IS DAMAGED AND THAT DAMAGE CAUSES POLE INSTABILITY, THEN THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION (WITHIN 2 HOURS) TO STABILIZE IT. THE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR PROVIDING THE PROJECT WITH A NEW UNDAMAGED POLE.

WHERE OUT-OF-SERVICE CALLS ARE THE DIRECT RESULT OF A VEHICULAR ACCIDENT, THE RESPONSE OF THE CONTRACTOR SHALL BE AS OUTLINED ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COLLECTION OF ANY COMPENSATION FROM THOSE PARTIES RESPONSIBLE FOR THE DAMAGE TO THE CONTRACTOR'S MATERIALS.

WHERE THE CONTRACTOR HAS FAILED TO RESPOND OR CANNOT RESPOND TO AN OUT-OF-SERVICE CALL WITHIN THE TIME PERIOD SPECIFIED ABOVE AT LOCATIONS UNDER HIS RESPONSIBILITY, THE CITY MAY TAKE ACTION AS IT DEEMS NECESSARY TO CORRECT THE SITUATION. THIS ACTION MAY INCLUDE CONTROLLING THE INTERSECTION USING COLUMBUS POLICE OFFICERS, COMPLETELY REMOVING OR REPLACING ANY MALFUNCTIONING TRAFFIC CONTROL DEVICE, AND/OR INSTALLING ANY DEVICE(S) REQUIRED TO RETURN THE INTERSECTION TO REGULAR SIGNAL OPERATION. ALL COSTS ASSOCIATED WITH THESE ACTIONS SHALL BE BILLED DIRECTLY TO THE CONTRACTOR AND NOT INCLUDED IN ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN.

ANY NON-OPERATING VEHICULAR OR PEDESTRIAN SIGNAL HEAD OR PUSHBUTTON SHALL BE COVERED AS REFERENCED IN THESE PLANS. ALL SIGNAL HEADS, WHILE COVERED, SHALL BE DARK BY DISCONNECTING POWER TO THE SIGNAL INDICATIONS. NO COVERED HEAD SHALL BLOCK THE VIEW OF AN OPERATING HEAD. A MINIMUM OF 2 VEHICULAR SIGNAL HEADS PER TRAVELLED DIRECTION (SPACED 8 FT. APART MINIMUM AND 12 FT. MAXIMUM) SHALL BE OPERATING AT ALL TIMES.

**B) TEMPORARY CONTROLLER OR TRAFFIC SIGNALS**

IN ADDITION TO 614.10, THE FOLLOWING SHALL APPLY:

IF THE CONTRACTOR IS REQUIRED TO ERECT AND/OR INSTALL ANY TEMPORARY TRAFFIC CONTROL DEVICE OR TEMPORARY SIGNAL/SUPPORT POLE THAT IS NOT SPECIFIED IN THESE PLANS, THEN THE CONTRACTOR SHALL SUBMIT THE DESIGN CHANGE TO THE CITY OF COLUMBUS, FOR APPROVAL PRIOR TO THE INSTALLATION. THE CITY ALSO RESERVES THE RIGHT TO MAKE, OR HAVE THE CONTRACTOR MAKE, CHANGES TO THE TRAFFIC SIGNAL OPERATION.

IF A TEMPORARY CONTROLLER AND/OR A TSI CABINET ASSEMBLY IS REQUIRED AT ANY INTERSECTION, THEN THE EQUIPMENT SHALL MEET NEMA STANDARDS TS1-1989 OR TS2-1998 (TYPE 2) AND SHALL BE APPROVED BY THE CITY OF COLUMBUS.

**C) EXISTING TRAFFIC SIGNAL DEVICES**

THE CITY OF COLUMBUS, (ELECTRONICS MAINTENANCE SHOP, 645-7933), SHALL PERFORM ROUTINE MAINTENANCE ON ALL EXISTING CABINET ASSEMBLY ITEMS ONLY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL OTHER EXISTING TRAFFIC SIGNAL DEVICES ONCE ANY PROJECT SIGNAL WORK HAS STARTED. IF, IN THE COURSE OF WORK, THE GENERAL CONTRACTOR OR ANY PROJECT SUB-CONTRACTOR CAUSES DAMAGE TO ANY EXISTING TRAFFIC SIGNAL DEVICE OTHER THAN THE CABINET ASSEMBLY, THEN THE CONTRACTOR, AT THE CONTRACTOR'S COST, SHALL REPAIR AND/OR REPLACE THE DAMAGED DEVICE TO THE SATISFACTION OF THE CITY. DAMAGE TO THE CABINET ASSEMBLY BY ANY PROJECT CONTRACTOR SHALL BE REPAIRED BY THE CITY AND BILLED TO THE GENERAL CONTRACTOR.

ALL COSTS RESULTING FROM THE ABOVE REQUIREMENTS, EXCEPT AS NOTED, SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN.

**GROUNDING AND BONDING:**

REQUIREMENTS OF THE CURRENT EDITION OF THE CMSC AND THE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWINGS ARE MODIFIED AS FOLLOWS:

1. ALL NON-CURRENT CARRYING METALLIC PARTS CONTAINING ELECTRICAL CONDUCTORS SHALL BE PERMANENTLY JOINED TO FORM AN EFFECTIVE GROUND FAULT CURRENT PATH BACK TO THE GROUNDED CONDUCTOR AT THE TRAFFIC SIGNAL CONTROLLER CABINET OR POWER METER CABINET, AS NOTED BELOW.

A. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN METALLIC CONDUITS (725.04)/POLYVINYL CHLORIDE CONDUITS (725.051) AND POLYETHYLENE CONDUITS (725.052) IN ADDITION TO THE CONDUCTORS SPECIFIED.

B. METAL PULL BOX FRAMES SHALL BE BONDED BY ATTACHMENT OF THE EQUIPMENT GROUNDING CONDUCTOR TO THE FRAME AS ILLUSTRATED ON SCD 4021 THROUGH 4023.

C. IF MULTIPLE CONDUIT RUNS BEGIN AND END AT THE SAME POINTS, EQUIPMENT GROUNDING CONDUCTORS SHALL BE PROVIDED AS SHOWN IN THE DETAILS.

D. THE MESSENGER WIRE AT SIGNALIZED INTERSECTIONS SHALL BE USED AS THE CONDUCTIVE PATH FROM CORNER TO CORNER IF CONDUIT IS NOT PROVIDED UNDER THE ROADWAY. WHEN CONDUIT CONNECTS THE CORNERS OF AN INTERSECTION, AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE USED IN THE CONDUIT UNLESS OTHERWISE DIRECTED BY THE CITY.

**2. CONDUITS.**

A. THE 725.04 CONDUIT SHALL HAVE HEAVY DUTY GROUNDING BUSHINGS INSTALLED AT ALL TERMINATION POINTS. THE BUSHING MATERIAL SHALL BE COMPATIBLE WITH GALVANIZED STEEL CONDUIT AND THE GROUNDING LUG MATERIAL SHALL BE COMPATIBLE FOR USE WITH COPPER WIRE. THREADED OR COMPRESSION TYPE BUSHINGS MAY BE USED.

B. THE 725.05 CONDUIT SHALL HAVE THE INSIDE AND OUTSIDE DIAMETERS OF THE CONDUIT DEBURRED AT ALL TERMINATION POINTS.

C. BOTH ENDS OF METALLIC CONDUIT SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

**3. WIRE FOR GROUNDING AND BONDING.**

A. USE INSULATED COPPER WIRE FOR THE EQUIPMENT GROUNDING CONDUCTOR. BONDING JUMPERS IN BOXES AND ENCLOSURES MAY BE BARE OR INSULATED COPPER WIRE. WIRE SHALL BE AS FOLLOWS:

- i. USE 4 AWG BETWEEN THE POWER SERVICE AND SUPPORTS, POLES, PEDESTALS, CONTROLLER OR FLASHER CABINETS.
- ii. THE INSULATION SHALL BE GREEN WITH TWO (2) YELLOW STRIPES (TRACERS).
- iii. SPLICES IN THE GROUNDING AND BONDING CABLE SHALL NOT BE PERMITTED IN PULL BOXES.

**4. GROUND ROD.**

A. THE TYPICAL GROUNDING CONDUCTOR (GROUND WIRE) SHALL BE 4 AWG INSULATED COPPER.

**5. POWER SERVICE.**

FOR LOCATIONS WITHOUT A POWER METER CABINET:

A. AT THE TRAFFIC SIGNAL CABINET, THE GROUNDING ELECTRODE CONDUCTOR (GROUND WIRE) FROM THE CABINET NEUTRAL (AC-) BAR TO THE GROUND ROD SHALL BE A CONTINUOUS UN-SPLICED CONDUCTOR. B. THE SERVICE NEUTRAL (AC-) SHALL ONLY BE CONNECTED TO GROUND AT THE MAIN POWER SERVICE IN THE CONTROLLER CABINET.

C. POWER SERVICE DISCONNECT SWITCHES ARE NOT USED BETWEEN THE SECONDARY SIDE OF THE TRANSFORMER SUPPLYING POWER SERVICE AND THE CONTROLLER CABINET.

D. A POWER SERVICE MAIN CIRCUIT BREAKER IS USED IN THE CONTROLLER CABINET BETWEEN THE SECONDARY SIDE OF THE TRANSFORMER SUPPLYING POWER SERVICE AND THE CONTROLLER CABINET.

GROUNDING AND BONDING SHALL BE CONSIDERED INCIDENTAL TO ITEM 625, NO. 4 AWG, 600 VOLT DISTRIBUTION CABLE, AS PER PLAN. 3/1/18

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**ITEM 614 SPECIAL - WORK ZONE TRAFFIC SIGNAL**

UNDER THIS ITEM OF WORK, THE CONTRACTOR SHALL FURNISH, INSTALL, RELOCATE, MODIFY AND SUBSEQUENTLY REMOVE: TEMPORARY SIGNAL SUPPORTS, DOWN GUYS, GROUND RODS, SIGNAL CABLE, POWER CABLE, SERVICE CABLE, CONDUIT RISERS, MESSENGER WIRE, SIGNAL HEADS, COVERING OF VEHICULAR SIGNAL HEADS AND A TEMPORARY CONTROLLER AS NEEDED TO RENDER A FULLY FUNCTIONAL TEMPORARY SIGNALIZED INTERSECTION.

AS DETAILED WITHIN, TEMPORARY TRAFFIC SIGNALS OR TRAFFIC SIGNAL MODIFICATIONS TO ACCOMMODATE INDIVIDUAL MAINTENANCE OF TRAFFIC PHASES SHALL BE INSTALLED AT THE INTERSECTIONS LISTED BELOW.

- I 71 NB AT HUDSON ST
- MCGUFFEY RD AT HUDSON ST
- HAMILTON AVE AT HUDSON ST
- DRESDEN ST AT HUDSON ST
- CLEVELAND AVE AT HUDSON ST

ALL TEMPORARY TRAFFIC SIGNAL EQUIPMENT SHALL COMPLY WITH THE SPECIFICATIONS OUTLINED FOR THE PERMANENT SIGNAL INSTALLATION INCLUDING GROUNDING AND BONDING AND "TRAFFIC SIGNAL PLAN AND SPECIFICATION COMPLIANCE". ALL METHODS OF TRAFFIC CONTROL SHALL BE APPROVED BY THE ENGINEER AND SHALL BE IN PLACE AND OPERATING PRIOR TO THE DEACTIVATION AND REMOVAL AND/OR RELOCATION OF ANY EXISTING SIGNAL EQUIPMENT. REFERENCE IS MADE TO THE REQUIREMENTS OF ITEM 614. ALL MODIFICATIONS TO SIGNALIZATION SHALL BE DONE UNDER THE PROTECTION OF A LAW ENFORCEMENT OFFICER. REFERENCE IS MADE TO ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN.

ANY VEHICULAR TRAFFIC SIGNAL HEAD THAT WILL BE OUT OF OPERATION SHALL BE COVERED IN ACCORDANCE WITH 632.25. ANY EXISTING VEHICULAR OR PEDESTRIAN HEAD THAT IS NOT FUNCTIONAL SHALL BE REMOVED IMMEDIATELY OR COVERED. ANY PEDESTRIAN BUTTONS NOT IN USE SHALL ALSO BE COVERED.

EACH TEMPORARY SIGNAL POLE LOCATION SHALL BE STAKED AND THE LOCATION APPROVED BY THE CITY OF COLUMBUS. THE CONTRACTOR MAY REUSE EXISTING SPAN AND PIGTAILS OR INSTALL NEW AS REQUIRED. THE CONTRACTOR SHALL TRANSFER EXISTING SIGNAL ITEMS AND EXTEND EXISTING CABLE AS NEEDED. WEATHERPROOF CABLE SPLICING IS PERMITTED. DOWN GUYS SHALL BE SPECIFIED FOR ALL TEMPORARY WOOD POLES. ONE DOWN GUY PER POLE SHALL BE USED FOR A LAYOUT THAT CONTAINS A MAXIMUM OF 2 VEHICULAR SIGNAL HEADS PER SPAN. TWO DOWN GUYS PER POLE SHALL BE SPECIFIED FOR 3 OR MORE VEHICULAR SIGNAL HEADS PER SPAN. DOWN GUYS SHALL BE POSITIONED TO COUNTERACT THE MOMENT CREATED BY THE SPAN CONFIGURATION. ANY CHANGE TO THE PLANNED POLE LOCATION OR SPAN CONFIGURATION AS DETAILED IN THE PLAN SHALL BE APPROVED BY THE CITY OF COLUMBUS. THE CONTRACTOR SHALL SUBMIT A DIAGRAM TO THE CITY DOCUMENTING PROPOSED CHANGES.

INSTALL THE SPAN TO PROVIDE FOR A 5 TO 6 PERCENT SAG FOR WOOD POLES. ATTACH THE SPAN NO CLOSER THAN 2 FT. FROM THE TOP OF THE POLE. THE LOWEST VEHICULAR HEAD IN EACH DIRECTION SHALL BE 16.5 FT. ABOVE PAVEMENT SURFACE WITH THE REMAINING VEHICULAR HEADS MEETING THE REQUIREMENTS OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR SHALL SHIFT EXISTING SIGNAL HEADS TO ALIGN WITH LANES IN THE INDIVIDUAL MAINTENANCE OF TRAFFIC PHASES. DETAILED HEAD PLACEMENT HAS BEEN PROVIDED FOR EACH PHASE OF WORK IN THE MAINTENANCE OF TRAFFIC PLAN.

THIS ITEM SHALL CONSIST OF ADJUSTING THE LOCATION OF TEMPORARY TRAFFIC SIGNAL HEADS FOR EACH PHASE OF CONSTRUCTION INCLUDING UNLASHING AND RELASHING ALL WIRING. ALL TEMPORARY AERIAL WIRING SHALL BE A MINIMUM OF 21 FT. ABOVE THE ROADWAY SURFACE.

VEHICULAR DETECTION SHALL BE MAINTAINED AT ALL TIMES AND DURING ALL PHASES OF CONSTRUCTION USING EITHER EXISTING LOOP DETECTORS OR TEMPORARY VIDEO OR RADAR DETECTION.

LOCATE THE NON-FUSED POWER SUPPLY VOLTAGE (120 VOLT) IN A SEPARATE CONDUIT. IN ADDITION, LOCATE THE LOOP DETECTOR, PUSH BUTTON, AND VIDEO DETECTION CABLES IN A SEPARATE CONDUIT FROM ALL OTHER CABLES.

THIS ITEM OF WORK SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY TO PROVIDE POWER TO THE TRAFFIC SIGNAL CONTROLLER FROM THE PROPOSED OR EXISTING POWER SOURCES AS DETERMINED BY CONSTRUCTION SEQUENCING.

THIS ITEM OF WORK SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO FURNISH, INSTALL, MODIFY, REMOVE, STORE, ERECT, RELOCATE, ADJUST AND REPAIR TEMPORARY TRAFFIC SIGNAL ITEMS AS DESCRIBED ABOVE.

ALL COSTS FOR THE ABOVE WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 614 WORK ZONE TRAFFIC SIGNAL, AS PER PLAN AND SHALL BE PER EACH INTERSECTION. 3/24/20

**ITEM 625 TRENCH, AS PER PLAN  
ITEM 625 TRENCH IN PAVED AREA, TYPE A, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF 625.13, THE INSTALLATION DEPTH OF THE PROPOSED CONDUIT SHALL CORRELATE TO THE DEPTH OF THE PULL BOX STRUCTURE SERVICING THE CONDUIT RUN. CONDUIT ENTERING 18 INCH PULL BOXES SHALL BE 24 INCHES DEEP. CONDUIT ENTERING 27 INCH PULL BOXES SHALL BE 30 INCHES DEEP. CONDUIT ENTERING 32 INCH PULL BOXES SHALL BE 30 TO 36 INCHES DEEP. CONDUIT ENTERING 48 INCH PULL BOXES SHALL BE 39 INCHES DEEP. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MODIFY THE DEPTH OF THE CONDUIT TO ACCOMMODATE THE VARIOUS TERMINATION DEPTHS AND UTILITY CONFLICTS. SHARP CHANGES IN CONDUIT ELEVATION WILL NOT BE PERMITTED. IF BOTH ENDS OF A CONDUIT RUN ENTER THE SAME SIZE STRUCTURE, THEN THE ENTIRE LENGTH OF CONDUIT SHALL BE PLACED AT THAT DEPTH. IF THE TWO ENDS ENTER DIFFERENT DEPTH STRUCTURES, THE CHANGE IN ELEVATION SHALL BE MADE OVER THE ENTIRE LENGTH OF THE CONDUIT RUN. TRENCH UNDER PROPOSED ROADWAYS SHALL HAVE A MINIMUM OVERALL DEPTH OF 36 INCHES AND OR A MINIMUM DEPTH OF 24 INCHES UNDER THE FINAL PAVEMENT SUBGRADE, WHICHEVER IS DEEPEST. INCIDENTAL TO THIS ITEM IS THE REPAIR OF SIDEWALK, ROADWAY, BRICK, CURB, CURB RAMPS, AND LANDSCAPING. 5/17/16

**ITEM 630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN  
ITEM 630 SIGN, FLAT SHEET, AS PER PLAN**

ALL MOUNTING HARDWARE AND SUPPORT/HANGER ASSEMBLIES MOUNTED ON EITHER SIGNAL SUPPORTS, MAST ARMS OR PEDESTAL SUPPORTS SHALL BE COATED TO MATCH ITS RESPECTIVE SUPPORT. FINISH REQUIREMENTS SHALL BE IN ACCORDANCE WITH THOSE LISTED FOR THE SUPPORT OR PEDESTAL USED FOR ATTACHMENT. NUTS AND BOLTS NEED NOT BE PAINTED.

ALL PAINTING SHALL BE PERFORMED UNDER CONTROLLED ENVIRONMENTAL CONDITIONS, AND IN ACCORDANCE WITH ALL MANUFACTURERS' RECOMMENDATIONS PERTAINING TO SURFACE PREPARATION, MATERIAL HANDLING, AND APPLICATION. PRIOR TO PAINTING, PAINT CHIPS SHALL BE SUBMITTED TO THE CITY FOR REVIEW.

ALL REGULATORY AND TRAFFIC CONTROL SIGNS SHALL COMPLY WITH THE LATEST VERSION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTCD) AND LOCAL REQUIREMENTS.

PAYMENT SHALL BE AS PER ITEM 630. 11/13/15

**ITEM 630 SIGNING, MISC.: TRAFFIC SIGNAL SIGNS**

WHEN USED, THE CONTRACTOR SHALL INSTALL W3-3-36 "SIGNAL AHEAD" SIGNS WITH W16-15P-24 "NEW" SUPPLEMENTAL PLACARDS AND POSTS IF REQUIRED JUST PRIOR TO THE SIGNAL BEING PLACED ON FLASH. THE "NEW SIGNAL" AND "SIGNAL AHEAD" SIGNS SHALL BE COVERED UNTIL THE SIGNAL IS PLACED ON REGULAR OPERATION AT WHICH TIME THE CONTRACTOR SHALL UNCOVER THEM.

WHEN USED, THE CONTRACTOR SHALL INSTALL THE W23-H2B-30 "SIGNAL OPERATION CHANGED" SIGN JUST PRIOR TO ACTIVATING THE CHANGE IN SIGNAL OPERATION. THE "SIGNAL OPERATION CHANGED" SIGN SHALL BE COVERED UNTIL THE SIGNAL OPERATION CHANGE IS IN EFFECT AT WHICH TIME THE CONTRACTOR SHALL UNCOVER IT. IN ORDER TO INSTALL THE "SIGNAL OPERATION CHANGED" SIGN AS SHOWN IN THE PLANS, THE CONTRACTOR SHALL SHIFT AN ADJACENT PERMANENT SIGN, WHEN NECESSARY, TO CREATE ENOUGH SPACE TO INSTALL THE "SIGNAL OPERATION CHANGED" SIGN IN THE LOCATION SHOWN IN THE PLANS.

THE CONTRACTOR SHALL REMOVE THESE ITEMS 3 WEEKS AFTER THEY ARE UNCOVERED. AT THE SAME TIME, THE CONTRACTOR SHALL RETURN ANY PERMANENT SIGN, WHICH HAS BEEN TEMPORARILY SHIFTED IN ORDER TO ACCOMMODATE THE "SIGNAL OPERATION CHANGED" SIGN, TO THE LOCATION SPECIFIED IN THE PLANS. FAILURE TO REMOVE THESE ITEMS AND RELOCATE PERMANENT SIGNS SHALL RESULT IN THE CITY REMOVING THEM, ALONG WITH RELOCATING PERMANENT SIGNS, AND BILLING THE CONTRACTOR FOR ALL COSTS INVOLVED. ALL REMOVED MATERIAL SHALL BE CONSIDERED FORFEITED TO THE CITY. MOUNTING HARDWARE AND POSTS SHALL BE INCIDENTAL TO THIS BID ITEM.

PAYMENT SHALL BE PER THE UNIT PRICE BID TO INSTALL AND REMOVE ALL NECESSARY SIGNS AT EACH INTERSECTION. 11/5/15

**ITEM 632 SIGNALIZATION, MISC.: APS PUSHBUTTON STATION**

THE APS PUSHBUTTON STATION SHALL BE PER THE CITY'S OPL.

MOUNT THE CENTER OF THE PUSHBUTTON 42" ABOVE THE PEDESTRIAN PATHWAY SURFACE. A CLEAR BEAD OF SILICON SEALANT SHALL BE APPLIED BETWEEN THE POLE AND THE EDGE OF THE PUSHBUTTON HOUSING AGAINST THE POLE TO PREVENT WATER FROM ENTERING THE BACK OF THE PUSHBUTTON HOUSING.

ONE ALUMINUM SIGN, BLACK ON WHITE, SHALL BE INSTALLED WITH EACH PUSHBUTTON. THE BOTTOM OF THE SIGNS SHALL BE MOUNTED JUST ABOVE THE TOP OF THE PUSHBUTTON. THE SIGNS TO CROSS THE MAIN LINE SHALL BE PER SCD 4230. THE SIGNS TO CROSS THE SIDE STREET SHALL READ "PUSH BUTTON FOR AUDIBLE SIGNAL TO CROSS (STREET NAME)" (CMR-73C.03).

WHEN THE ACCESSIBLE PEDESTRIAN PUSHBUTTON SYSTEM IS CONFIGURED, DIVISION OF TRAFFIC MANAGEMENT PERSONNEL SHALL BE PRESENT TO DETERMINE THE SETTINGS TO BE USED. THE CONTRACTOR SHALL CONTACT THE DIVISION OF DESIGN AND CONSTRUCTION TRAFFIC SIGNAL CONSTRUCTION COORDINATOR 14 CALENDAR DAYS PRIOR TO INSTALLATION TO MAKE ARRANGEMENTS. ALL CONNECTIONS, WIRING, MISCELLANEOUS MATERIALS, AND CONFIGURATION FOR FULL OPERATION OF EACH APS PUSHBUTTON SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM. PAYMENT SHALL BE PER ITEM 632 AND SHALL BE MADE AT THE UNIT PRICE BID PER EACH APS PUSHBUTTON, COMPLETE IN PLACE, TESTED, AND ACCEPTED. 3/13/20

**ITEM 632 SIGNALIZATION, MISC.: FOUNDATION PRE-EXCAVATION**

THE SIGNAL SUPPORT OR PEDESTAL FOUNDATIONS FOR HAMILTON AVE AT HUDSON ST POLE S/W-1 & S/W-3 SHALL BE EXCAVATED OR VACUUM EXCAVATED TO TEST FOR CONFLICTS PRIOR TO SHOP DRAWINGS APPROVAL.

PAYMENT FOR ITEM 632 SIGNALIZATION, MISC.: FOUNDATION PRE-EXCAVATION SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH FOUNDATION REQUIRING PRE-EXCAVATION. 3/16/18

**ITEM 632 ITEM SPECIAL: COORDINATION WITH POLICE CAMERA AND WIRELESS RADIO RELOCATION**

THIS ITEM SHALL INCLUDE SUBCONTRACTING WITH THE DIVISION OF POLICE'S INTEGRATOR FOR POLICE CAMERA INSTALLATION. THE CONTRACTOR SHALL COORDINATE WITH JOHN JOHNSTON (614-645-0159, JCJOHNSTON@COLUMBUSPOLICE.ORG) AND SUBCONTRACT WITH THEIR CURRENT INTEGRATOR. THE INTEGRATOR WILL REMOVE, STORE, AND REINSTALL THE EXISTING CAMERAS AND RADIOS AT THE LOCATIONS SHOWN IN THE PLANS. THE BID ITEM SHALL INCLUDE COST OF REPOSITIONING EXISTING POWER OR INSTALLING NEW POWER TO THE RELOCATED CAMERAS AND RADIOS.

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TRAFFIC SIGNAL GENERAL NOTES

HUDSON ST

**ITEM 632 POWER SERVICE, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF 632.24, THE CONTRACTOR SHALL CONTACT THE SERVICE PROVIDER AND MAKE ARRANGEMENTS FOR THE CONNECTION OF POWER FOR THE TRAFFIC SIGNAL CONTROLLER CABINET. THE CONTRACTOR SHALL CONTACT THE POWER SERVICE PROVIDER A MINIMUM OF 120 CALENDAR DAYS IN ADVANCE OF THE NEED FOR POWER WITH THE ADDRESS(ES) OF THE TRAFFIC SIGNAL CONTROLLER CABINET(S) AS PROVIDED IN THE PLANS.

POWER SHALL BE SUPPLIED BY AMERICAN ELECTRIC POWER. POWER SHALL BE 120/240VAC. POWER SERVICE SHALL BE FROM THE APPROXIMATE LOCATIONS AS SHOWN ON THE PLANS. CONTACT AMERICAN ELECTRIC POWER CUSTOMER SOLUTION CENTER (1-800-672-2231).

INTERSECTION	INTERSECTION NUMBER	TRAFFIC SIGNAL CONTROLLER CABINET ADDRESS	POWER SERVICE PROVIDER
I 71 NB AT HUDSON ST	3042	657 E HUDSON ST	AEP
MCGUFFEY RD AT HUDSON ST	3132	2390 MCGUFFEY RD	AEP
HAMILTON AVE AT HUDSON ST	3133	1162 E HUDSON ST	AEP
DRESDEN ST AT HUDSON ST	3132	2313 DRESDEN ST	AEP

6/1/20

**ITEM 632 SIGNALIZATION, MISC.: POWER METER CABINET (TYPE I), BASE MOUNT, WITH FOUNDATION**

THIS ITEM SHALL INCLUDE THE POWER METER CABINET, POWER METER SOCKET, LOAD CENTER PANEL, CONCRETE FOUNDATION, GROUNDING, AND INCIDENTALS AS DESCRIBED HEREIN.

THE CONDUIT AND FOUR (4) ANCHOR BOLTS AND REQUIRED CONDUIT ELLS AND THEIR INSTALLATION SHALL BE INCIDENTAL TO THE COST OF THIS ITEM.

FOR TYPE I POWER CABINETS:

THE POWER METER CABINET SUPPLIED SHALL BE A MILBANK SLIMLINE SERIES COMMERCIAL PEDESTAL (CATALOG NO. CP3A5ICIVIAOSP3-CITY OF COLUMBUS).

THE POWER METER SOCKET SUPPLIED SHALL BE A MILBANK CATALOG NO. U955I-RR1, TALON CATALOG NO. 40405-02QG, OR APPROVED EQUAL. THE LOAD CENTER SHALL BE A SCHNEIDER ELECTRIC Q024L60NRNM, EATON CH2L70RP, OR APPROVED EQUIVALENT.

THE WORK AS DESCRIBED WILL BE MEASURED AS THE NUMBER OF POWER METER CABINETS FURNISHED AND INSTALLED AND SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS, INCLUDING HUBS, CONDUITS ELLS AND FLEXIBLE CONDUIT, AND WIRING IN THE POWER METER CABINET, NECESSARY TO COMPLETE THE WORK SPECIFIED, COMPLETE IN PLACE 10/1/20

**ITEM 632 SIGNALIZATION, MISC.: STOP LINE RADAR DETECTION SYSTEM**

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR MATRIX RADAR DETECTION SYSTEM. EACH RADAR DETECTOR UNIT SHALL BE MOUNTED DIRECTLY TO A POLE, MAST ARM, OR BRACKET ARM AS SHOWN ON THE PLAN OR AS RECOMMENDED BY THE MANUFACTURER. MOUNTING HARDWARE AND CABLE CONNECTIONS SHALL BE INSTALLED PER CURRENT MANUFACTURER SPECIFICATIONS. THE SENSOR SHALL BE GROUNDED TO THE GROUND LUG OF THE SIGNAL POLE PER CURRENT MANUFACTURER SPECIFICATIONS.

THE DETECTION SYSTEM SHALL INCLUDE THE FOLLOWING:

1. WAVETRONIX MATRIX DETECTOR UNITS AS SHOWN IN THE PLANS.
2. WAVETRONIX CLICK 650 CABINET INTERFACE DEVICE TO PROVIDE POWER, SURGE PROTECTION, AND ETHERNET CONNECTIVITY FOR THE RADAR DETECTOR UNITS.
3. CONTACT CLOSURE DEVICES IF NECESSARY OR AS RECOMMENDED BY THE MANUFACTURER TO CONNECT TO THE TRAFFIC CONTROLLER AND BE COMPATIBLE WITH CITY OF COLUMBUS SIGNAL CABINETS. IF USED, THE DEVICES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC SIGNAL CABINET.

4. SENSOR CABLE(S) SHALL BE PROVIDED AS REQUIRED AND AS RECOMMENDED BY THE MANUFACTURER. THE CABLE SHALL BE SUITABLE FOR INSTALLATION IN CONDUIT AND OVERHEAD WITH APPROPRIATE SPAN WIRE. THE DETECTOR CABLE SHALL BE RUN CONTINUOUSLY FROM THE DETECTOR UNIT TO THE CONTROLLER CABINET (NO SPLICES).

5. AN ETHERNET CABLE (MINIMUM 7 FEET).

A CITY SIGNAL MAINTENANCE REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING OF THE UNIT.

IN ADDITION TO THE MATERIALS THAT ARE MENTIONED ABOVE OR SHOWN IN THE PLANS, THE CONTRACTOR SHALL ALSO FURNISH ONE (1) SPARE STOP LINE RADAR DETECTOR (COMPLETE UNIT) WITH A MOUNTING ASSEMBLY.

PAYMENT FOR ITEM 632 SIGNALIZATION, MISC.: STOP LINE RADAR DETECTION SYSTEM SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH SYSTEM, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED DETECTOR UNITS, CABINET HARDWARE, MOUNTING BRACKETS, CABLES, AND CONNECTIONS TESTED AND ACCEPTED. 10/30/17

**ITEM 625 BRACKET ARM, 30', AS PER PLAN**

BRACKET ARM SHALL BE INSTALLED PER SCD 4110 ON SIGNAL POLES AT LOCATIONS AS SHOWN IN THE PLANS TO FACILITATE THE INSTALLATION OF VEHICULAR DETECTION, CCTV, AND WIRELESS RADIO EQUIPMENT IN AREAS CLEAR OF OBSTRUCTIONS.

BRACKET ARM SHALL BE MADE OF ALUMINUM ALLOY TUBING. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS OR VERIFY PLAN DETAILS TO DETERMINE THE SIZE AND CONFIGURATION OF REQUIRED CLAMPS PRIOR TO ORDERING - NO COMPENSATION WILL BE PROVIDED FOR MODIFICATIONS.

ALL STRUCTURAL STEEL PRODUCTS SHALL BE GALVANIZED ON THE INTERIOR AND THE EXTERIOR SURFACES AS PER ASTM A123. THE EXTERIOR SURFACE OF ALL STRUCTURAL STEEL AND ALUMINUM PRODUCTS SHALL BE PROPERLY PREPARED FOR THE APPLICATION OF AN EXTERIOR COATING. THE COATING COLOR ON BOTH STEEL AND ALUMINUM PRODUCTS SHALL MATCH EACH OTHER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT BOTH PRODUCT MANUFACTURERS MATCH COATING COLORS SO THAT A CONSISTENT END PRODUCT IS ACHIEVED.

ALL EXTERIOR SURFACES, ALL ATTACHMENT HARDWARE, AND ALL CLEVIS HANGERS SHALL HAVE A COATING APPLIED TO THEM. EXTERIOR SURFACES OF ALL BOLT AND SCREW FASTENERS, WASHER NUTS, AND OTHER ATTACHMENT HARDWARE SHALL HAVE A COATING APPLIED TO THEM. FASTENER THREADS SHALL NOT BE CLOGGED WITH COATING MATERIAL.

THE EXTERIOR COATING FOR ALL ITEMS ABOVE SHALL:

1. MEET FEDERAL SPEC #595B, BE SEMI-GLOSS AND CONFORM TO COLORS AS SHOWN IN THE PLANS; AND
2. BE APPLIED OVER PROPERLY PREPARED GALVANIZING MATERIAL ON STEEL PRODUCTS AND OVER PROPERLY PREPARED ALUMINUM FOR ALUMINUM PRODUCTS; AND
3. HAVE A MINIMUM 5-YEAR REPAIR WARRANTY OF COATING DELAMINATION, BLISTERING, OR CORROSION.

ANY ALTERNATIVE PROCESSES FOR FINISH COATING OF BRACKET ARM PROPOSED BY THE CONTRACTOR MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING WORK.

FOR ALUMINUM PARTS, EACH COATING LAYER SHALL BE PROPERLY CURED BEFORE THE APPLICATION OF THE NEXT COAT. THE APPLICATION PROCEDURE SHALL BE SUCH TO WARRANTY A FINISH WITHOUT DELAMINATION, BLISTERING, OR CORROSION AS PER THE MINIMUM (5) YEAR REPAIR WARRANTY.

THE COATING PROCESS SHALL INVOLVE SUCH STEPS AS THE FOLLOWING:

1. MECHANICAL PREPARATION - BRACKET ARM ASSEMBLY (BRACKET ARM AND ALL CONNECTION COMPONENTS) SHALL BE ROTARY-SANDED TO A SATIN-GROUND FINISH. BRACKETS SHALL BE ETCHED TO A MATTE FINISH. THIS TREATMENT WILL PLACE A ROUGH SURFACE ON THESE ITEMS SO THE BASE COATING LAYER WILL HAVE EXCELLENT ADHESION.
2. CLEANING - THE BRACKET ARM ASSEMBLY SHALL BE IMMERSSED IN AN ALCOHOLIC-PHOSPHORIC ACID SOLUTION THAT WILL CHEMICALLY CLEAN THESE ITEMS. THE CLEANING SOLUTIONS SHALL BE KEPT AT A NOMINAL 70 DEGREES FAHRENHEIT. THE BRACKET ARM ASSEMBLY SHALL BE IMMERSSED IN THE SOLVENT SOLUTION FOR 5 MINUTES AND THEN COLD-WATER RINSED UNTIL CHEMICALS ARE WASHED OFF.
3. CONVERSION COATING - THE BRACKET ARM ASSEMBLY SHALL THEN BE IMMERSSED IN AN AMORPHOUS CHROMATE CONVERSION COATING SOLUTION FOR 5 MINUTES. THE SOLUTION SHALL BE

MAINTAINED AT 700 F. THIS TREATMENT WILL RESULT IN THE FORMATION OF A SURFACE FILM IN WHICH THE FILM CHEMICALLY BONDS ITSELF TO THE BASE METAL BY DIFFUSION AND BECOMES A PART OF THE BASE METAL. THE BRACKET AND PEDESTAL ASSEMBLY SHALL BE COLD-WATER RINSED. THIS SURFACE WILL PROVIDE OPTIMUM ADHESION AND GOOD STABILITY FOR THE COLOR FILM SO THAT IT DOES NOT CHIP, PEEL, OR FLAKE.

4. PRIMER COATING - AN ALUMINUM PRIMER SHALL BE APPLIED AS REQUIRED TO THE BRACKET ARM ASSEMBLY TO FURTHER IMPROVE COATING ADHESION.

5. FINAL COATING - EACH COAT SHALL BE PROPERLY DRIED BEFORE ADDITIONAL COATS ARE APPLIED. THE FINISH COAT OF PAINT SHALL MEET FEDERAL STANDARD #595B AND CONFORM TO COLOR #27038 (SEMI-GLOSS BLACK). THE FINISH COAT SHALL HAVE A MINIMUM 5-YEAR REPAIR WARRANTY OF COATING DELAMINATION, BLISTERING, OR CORROSION.

6. DRYING - THE BRACKET ARM ASSEMBLY SHALL BE THOROUGHLY DRIED THEN PROTECTED FOR SHIPMENT AS OUTLINE BEFORE.

ALL COATED ITEMS SHALL BE SHIPPED IN A MANNER SELECTED BY THE MANUFACTURER, WHICH WILL PROTECT MATERIAL FROM DAMAGE DURING DELIVERY. MATERIALS DAMAGED IN TRANSIT SHALL BE REPAIRED OR REPLACED. ALL COSTS ASSOCIATED WITH CORRECTING DAMAGED MATERIAL SHALL BE BORNE BY THE CONTRACTOR.

THE WORK AS DESCRIBED WILL BE MEASURED AS THE NUMBER BRACKET ARMS FURNISHED AND INSTALLED, COMPLETE IN PLACE. 10/25/19

**ITEM 632 REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN**

ALL REMOVED ITEMS SHALL REMAIN THE PROPERTY OF THE CITY OF COLUMBUS WITH THE EXCEPTION OF FOUNDATIONS, SIGNAL CABLE, MESSENGER WIRE, CONDUIT, AND OTHER ITEMS AS PER THE REMOVAL CHART IN THE PLANS. THE CONTRACTOR SHALL PROPERLY DISPOSE OF THOSE ITEMS ONLY AND DELIVER THE OTHER REMOVED ITEMS TO THE DIVISION OF TRAFFIC MANAGEMENT, TRAFFIC MAINTENANCE SHOP AT 1820 EAST 17TH AVENUE, COLUMBUS, OHIO 43219. THE CONTRACTOR SHALL CONTACT THE CITY OF COLUMBUS, DIVISION OF TRAFFIC MANAGEMENT, TRAFFIC OPERATIONS MANAGER (645-7393) TWENTY-FOUR (24) HOURS, NOT INCLUDING SATURDAY AND SUNDAY, IN ADVANCE TO SCHEDULE DELIVERY. NO ITEM WILL BE ACCEPTED WITHOUT FOLLOWING THIS PROCEDURE. THE TRAFFIC OPERATIONS MANAGER SHALL INSPECT THE CONDITION OF ALL SALVAGED ITEMS BEING PRESENTED FOR DELIVERY. NO ITEM DAMAGED BY THE CONTRACTOR WILL BE ACCEPTED, AND NO ITEM SHALL BE CONSIDERED DELIVERED UNTIL THE TRAFFIC OPERATIONS MANAGER ISSUES A RECEIPT TO THE CONTRACTOR ACKNOWLEDGING ACCEPTANCE OF DELIVERY. 11/13/15

**ITEM 633 CONTROLLER UNIT TS2/A2, W/CABINET 16 CH, SIZE, MOUNTING TYPE, AS PER PLAN**

IN ADDITION TO THE OTHER REQUIREMENTS OF 633 & 733, THE CONTROLLER (TS2, TYPE 2/TS1 COMPATIBLE) SHALL BE PER THE CITY'S QPL AND INCLUDE AN ETHERNET MODULE AND TELEMETRY MODULE. THE CABINET ASSEMBLY SHALL MEET ALL CITY STANDARDS AS SET FORTH BETWEEN THE SUPPLIERS AND THE DIVISION OF TRAFFIC MANAGEMENT.

IN ADDITION TO THE OTHER SPECIFICATION DOCUMENTS, THE CABINET ASSEMBLY SHALL MEET THE FOLLOWING SPECIFICATIONS.

(A) ALL LABELS SHALL BE PERMANENTLY SECURED TO THE CABINET. PLASTIC LABEL MAKER TAPE IS NOT CONSIDERED TO BE PERMANENT. CROY TYPE LABELS ARE ACCEPTABLE.

(B) THE 120 VAC, CONVENIENCE OUTLET ASSEMBLY (GFI TYPE) SHALL BE MOUNTED ON THE RIGHT SIDE PANEL OF THE CABINET NEAR THE DOOR HINGE AREA OR THE CENTER PORTION OF THE DOOR. THE OUTLET SHALL NOT INTERFERE WITH THE REMOVAL OR INSTALLATION OF ANY EQUIPMENT.

(C) LOAD SWITCHES SHALL BE EDI MODEL 510 WITH LIGHTS PERMANENTLY LABELLED AS R, Y, G OR A, B, C. A LOAD SWITCH SHALL BE PROVIDED FOR EACH BACK PANEL LOAD SWITCH SOCKET POSITION WHETHER USED OR UNUSED. ALL LOAD SWITCHES SHALL REST IN A SUPPORT RACK. LOAD SWITCHES 9-12 SHALL BE USED FOR THE PEDESTRIAN SIGNAL HEADS AND LOAD SWITCHES 13-16 SHALL BE USED FOR OVERLAPS.

(D) LIGHTNING PROTECTION DEVICES SUCH AS ITT, SURRESTOR, GENERAL ELECTRIC, OR APPROVED EQUAL (AS DETERMINED BY THE DIVISION OF TRAFFIC MANAGEMENT) SHALL BE PROVIDED.

(E) THE NEMA TYPE 4 CABINET SHALL BE PER THE CITY'S QPL. ALL EXTERIOR CABINET SEAMS SHALL BE EITHER CONTINUOUSLY WELDED, TACK WELDED, SEALED WITH A 15 TO 20 YEAR SILICONE SEALER, AND/OR OVERLAPPED SUCH THAT WATER DOES NOT ENTER THE CABINET. ALL CABINET EDGES SHALL BE SMOOTH (FREE OF ANY SHARP EDGES). THE CABINET DOOR FRAME OPENING SHALL BE DOUBLE-FLANGED ON ALL FOUR SIDES. THE CABINET DOOR SHALL BE HINGED USING A HEAVY GAUGE CONTINUOUS HINGE THAT HAS A STAINLESS STEEL HINGE PIN. THE HINGE SHALL BE BOLTED TO THE CABINET SO THE DOOR CAN BE REMOVED. THE BOLTS AND NUTS SHALL BE MADE OF STAINLESS STEEL, TAMPERPROOF AND SECURELY FASTENED TO PREVENT VIBRATIONS FROM LOOSENING THE NUTS. THE DOOR SHALL BE EQUIPPED WITH A THREE (3) POINT LATCHING MECHANISM AND A HANDLE WHICH CAN BE PADLOCKED. IN ADDITION TO THE DOOR STOP POSITIONS LISTED IN NEMA TS-2, THE DOOR SHALL BE DESIGNED SUCH THAT IT INCLUDES A DOOR STOP AT 135 DEGREES. THE POLICE DOOR AND MAIN CABINET DOOR SHALL HAVE A KEYHOLE COVER. BOLT PATTERN SHALL CONSIST OF AN ANCHOR BOLT POSITIONED IN EACH CABINET CORNER.

(F) A THYRECTOR SURGE PROTECTOR WITH A RMS INPUT OF 150 VOLTS AND INPUT PEAK OF 210 VOLTS SHALL BE PROVIDED IN ADDITION TO ANY LIGHTNING PROTECTION DEVICE. THE THYRECTOR SHALL BE PLACED ACROSS THE INPUT AC POWER LINE.

(G) TWO (2) CIRCUIT SOLID STATE FLASHER, EDI MODEL 810, RATED AT 15 AMPS (MINIMUM) PER CIRCUIT SHALL BE PROVIDED (NEMA TYPE 3). CIRCUIT 1 SHALL CONTROL THE MAINLINE FLASHING SIGNAL INDICATIONS. CIRCUIT 2 SHALL CONTROL THE SIDE STREET FLASHING SIGNAL INDICATIONS.

(H) THE MAIN CIRCUIT BREAKER AND AUXILIARY CIRCUIT BREAKER, AS REQUIRED BY NEMA TS-2, SHALL BE LABELED AS "MAIN" AND "AUX," RESPECTIVELY.

(I) THE CABINET ASSEMBLY SHALL CONTAIN ALL PEDESTRIAN SIGNAL CIRCUITRY FOR EACH NEMA DEFINED THROUGH PHASE.

(J) A POLICE DOOR MOUNTED SIGNAL SHUTDOWN SWITCH WITH SWITCH POSITIONS LABELED AS "SIG ON" AND "SIG OFF" SHALL BE INSTALLED.

(K) A POLICE DOOR MOUNTED SIGNAL FLASH SWITCH WITH SWITCH POSITIONS LABELLED AS "ON SIG" AND "ON FLASH" SHALL NOT ONLY PLACE THE SIGNALS ON FLASH BUT ALSO STOP-TIME THE CONTROLLER UNIT. A RUN/STOP-TIME SWITCH WITH SWITCH POSITIONS LABELLED AS "CONT. RUN" AND "STOP-TIME" SHALL BE INSTALLED ON THE INSIDE OF THE CABINET DOOR. THE RUN/STOP-TIME SWITCH SHALL ALLOW THE CONTROLLER UNIT TO TIME NORMALLY BUT KEEP THE SIGNALS ON FLASH. THE SIGNAL FLASH SWITCH SHALL NOT RETURN THE SIGNALS TO NORMAL OPERATION UNLESS THE RUN/STOP-TIME SWITCH IS RESET TO THE STOP-TIME POSITION SO THE SIGNAL FLASH SWITCH CAN AGAIN STOP-TIME THE CONTROLLER UNIT. THE SIGNAL FLASH SWITCH SHALL NOT REMOVE POWER TO THE CONTROLLER UNIT OR ITS AUXILIARY EQUIPMENT.

(L) A POLICE DOOR MOUNTED AUTO MANUAL TRANSFER SWITCH WITH SWITCH POSITIONS LABELLED AS "AUTO" AND "MANUAL" SHALL BE INSTALLED. A MANUAL PUSH BUTTON CONTROL SHALL NOT BE INSTALLED UNLESS SPECIFIED, BUT WIRING FOR A PUSH BUTTON CONTROL SHALL BE PROVIDED UP TO THE POINT WHERE THE PUSH BUTTON WOULD HAVE BEEN CONNECTED.

(M) A CONTROLLER SHUTDOWN SWITCH WITH SWITCH POSITIONS LABELLED AS "CONT ON" AND "CONT OFF" AND A COORDINATED/FREE SWITCH WITH SWITCH POSITIONS LABELLED AS "COORD" AND "FREE" SHALL BE INSTALLED INSIDE THE CABINET NEXT TO THE RUN/STOP-TIME SWITCH. A COORDINATED/FREE SWITCH SHALL NOT BE REQUIRED IF THE CONTROLLER HAS A BUILT-IN COORD/FREE SWITCH.

(N) THE WATCH DOG TIMER SHALL CAUSE THE CONTROLLER TO GO INTO A FLASH OPERATION IF A MICROPROCESSOR FAILURE IS DETECTED.

(O) ALL BACK PANEL HARDWARE SHALL BE MOUNTED WITH SCREWS. ALL SCREWS SHALL BE COMPLETELY SCREWED DOWN. RIVETS OR OTHER NON REMOVABLE FASTENERS ARE NOT ACCEPTABLE. WIRE CONNECTIONS ON THE BACK PANEL SHALL BE MADE WITH CRIMP TERMINALS AND THREADED FASTENERS. TELEPHONE TYPE KNIFE CONNECTORS (SOLDERED OR OTHERWISE) ARE NOT ACCEPTABLE.

(P) ALL WIRES FASTENED TO THE LOAD SWITCH AND FLASHER PLUGS SHALL BE SOLDERED IN PLACE.

(Q) THE BACK PANEL AND POWER DISTRIBUTION PANEL SHALL HAVE SILK SCREENED TERMINAL/SOCKET FUNCTION IDENTIFICATION LABELS SUCH AS AC COM, PHASE 3 GREEN, 115 VAC, SIGNAL BUS, ETC. REFERENCE NUMBERS SHALL NOT BE ACCEPTABLE IN LIEU OF FUNCTION LABELS BUT THEY CAN SUPPLEMENT THEM. ADDITIONAL TERMINAL BLOCKS AND AUXILIARY PANELS SHALL USE SILK SCREENED REFERENCE NUMBERS TO IDENTIFY TERMINAL CONNECTIONS.

(R) ALL TERMINAL STRIPS IN CLOSE PROXIMITY OF SHELF MOUNTED CONTROL DEVICE EQUIPMENT SHALL BE COVERED WITH NON-CONDUCTIVE MATERIAL TO PREVENT ACCIDENTAL CONTACT WITH THE DEVICES. ALL TERMINAL STRIPS SHALL BE READILY ACCESSIBLE WITHOUT REMOVAL OF ANY EQUIPMENT.

(S) IN ADDITION TO THE ALUMINUM SHELF WITH INTERNAL STORAGE AS SPECIFIED BY 733 B.10, THE CABINET SHALL HAVE ONE NON VENTED (SOLID) SHELF. THE SHELVES SHALL BE SPACED AT LEAST 9" APART. BOTH SHELVES SHALL HAVE A WIDTH OF 13"

AND THE BACK EDGE OF THE SHELF SHALL BE LIPPED WITH THE LIP POINTING UP. THE FRONT EDGE OF THE SHELF SHALL BE LIPPED WITH THE LIP POINTING DOWN. ALL LIP EDGES SHALL BE ROUNDED. THE SHELVES SHALL BE ATTACHED TO THE CABINET SIDE PANELS. THE SHELF ARRANGEMENT SHALL BE DESIGNED SO ALL SHELF DEVICES FIT ON THEM.

(T) THERE SHALL BE A MINIMUM OF ONE (1) INCH EMPTY SPACE BETWEEN ALL ITEMS ATTACHED TO THE DOOR AND ALL SHELF-MOUNTED DEVICES INCLUDING ITS CONNECTING HARNESS(IES), ALL LOAD SWITCHES, FLASHER AND ALL SIDE-PANEL-MOUNTED ITEMS.

(U) ALL CABINETS SHALL HAVE TWO VENTILATION FANS. THE THERMOSTAT CONTROLLING THE VENTILATING FAN CIRCUIT SHALL BE SET AT 95 DEGREES FAHRENHEIT.

(V) ALL FLASH TRANSFER RELAYS SHALL BE WIRED FOR FAIL SAFE OPERATION (ENERGIZED DURING NORMAL OPERATION) AND WIRED WITH A MAXIMUM OF TWO PHASES PER RELAY.

(W) THE POWER CABLE SHALL BE CONNECTED TO AN ACCESSIBLE TERMINAL STRIP THAT SHALL BE OF SUFFICIENT SIZE TO ACCEPT THE GAUGE OF THE SUPPLIED POWER CABLE. THE TERMINAL STRIP SHALL BE COVERED OR SHIELDED TO MINIMIZE ACCIDENTAL CONTACT DURING NORMAL SERVICING OPERATIONS. THE COVER SHALL BE SNAPPED ON/OFF OR SECURED BY STANDARD SCREWS. THE POWER CABLE LUG TERMINAL CONNECTION SHALL BE LOCATED IMMEDIATELY BELOW THE MAIN POWER DISTRIBUTION BREAKER. THERE SHALL BE A MINIMUM OF TWO (2) INCHES CLEARANCE BETWEEN THE POWER TERMINAL AND THE BOTTOM OF THE CABINET.

X) A #4 WIRE LUG SHALL BE PROVIDED FOR ATTACHING A GROUNDING WIRE FROM A GROUND ROD.

1. FOR LOCATIONS WITHOUT A POWER METER CABINET: THE GROUNDING WIRE SHALL BE ATTACHED TO THE POWER DISTRIBUTION PANEL NEUTRAL BUS. THE NEUTRAL BUS SHALL BE DIRECTLY GROUND TO THE CABINET GROUND BUS.
2. FOR LOCATIONS WITH A POWER METER CABINET: THE GROUNDING WIRE SHALL BE ATTACHED TO THE POWER DISTRIBUTION PANEL GROUND BUS. THE NEUTRAL BUS SHALL ONLY BE CONNECTED TO THE GROUND BUS IN THE POWER METER CABINET, NOT THE TRAFFIC SIGNAL CABINET.

(Y) A SOLID STATE RELAY, CRYDOM PART NO. CWA2450, SHALL BE INSTALLED WHICH WILL ALLOW POWER TO BE REMOVED FROM THE VEHICULAR POWER BUS. THE SOLID STATE RELAY SHALL BE RATED AT 50 AMPS AND 120 VOLTS AND SHALL BE EQUIPPED WITH A PLASTIC COVER.

(Z) ALL EXTERNAL RELAY COILS SHALL HAVE NOISE SUPPRESSION DEVICES.

(AA) THE DOOR FILTER (U.L. LISTED CLASS 2, STANDARD 900) SHALL CONSIST OF THREE DISTINCT LAYERS OF FILTERING MEDIA. THE FIRST AIR ENTERING LAYER SHALL BE COMPOSED OF A DUAL FIBER BLEND OF 100% NON-WOVEN POLYESTER TO TRAP LARGER SIZED PARTICLES. THE NEXT LAYER SHALL BE A DUAL PLY, DUAL DENIER, 100% NON-WOVEN POLYESTER OF SMALLER SIZE TO TRAP FINER PARTICLES PASSING THROUGH THE FIRST LAYER. A NON-TOXIC, NON-MIGRATORY, ODORLESS TACKIFIER SHALL BE APPLIED TO THESE LAYERS. ADHESIVES SPRAYED ON THE LAYERS ARE NOT ACCEPTABLE. THE TACKIFIER SHALL BE INCORPORATED INTO THE LAYER MEDIA DURING THE MANUFACTURING PROCESS OF THE RAW MATERIAL. A 10 GAUGE MESH SHALL BE INCORPORATED IN THE FILTER DESIGN FOR RIGIDITY. SUFFICIENT MEDIA OVERLAP SHALL BE PRESENT ABOUT THE WIRE PERIMETER TO INSURE POSITIVE SELF SEAL. THE DOOR FILTER HOLDER SHALL BE DESIGNED SO THE FILTER MAKES POSITIVE CONTACT WITH THE CABINET DOOR AT ALL TIMES AND UNDER ALL CONDITIONS AND SITUATIONS.

(BB) AN OUTLET RECEPTACLE AND BOX SHALL BE INSTALLED IN THE CABINET TO PROTECT NETWORK EQUIPMENT FROM AN IMBALANCE FLOW OF CURRENT FROM THE HOT TO THE NEUTRAL. THE OUTLET SHALL BE A NEMA DUPLEX 5-15 RECEPTACLE, RATED AT 15 AMPS (MINIMUM) AT 120 VAC. THE OUTLET SHALL MEET OR EXCEED FEDERAL SPECIFICATIONS AND UL 498 STANDARDS AND SHALL BE RATED AS WEATHER-RESISTANT. THE RECEPTACLE SHALL BE INSTALLED WITHIN A METALLIC, SINGLE GANG ELECTRICAL BOX WITH A COVER PLATE. THE ELECTRICAL BOX SHALL BE STANDARD DEPTH (NOMINALLY 2-1/8 IN.) AND SHALL BE UL-LISTED. THE OUTLET SHALL BE INSTALLED INSIDE THE CABINET ALONG ONE OF THE SIDE WALLS AND SHALL BE WIRED FROM THE SAME CIRCUIT BREAKER AS THE OTHER OUTLETS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

(CC) A SURGE SUPPRESSION DEVICE SHALL BE INSTALLED IN THE CABINET TO PROVIDE PROTECTED POWER OUTLETS TO NETWORK EQUIPMENT. THE SURGE SUPPRESSION DEVICE SHALL BE SECURELY MOUNTED IN THE CABINET IN A METHOD APPROVED BY THE ENGINEER. THE SURGE SUPPRESSION DEVICE INSTALLED SHALL HAVE 6 NEMA 5-15 OUTLETS AND SHALL BE CAPABLE OF BEING PLUGGED INTO A STANDARD 5-15 OUTLET. THE OUTPUT CURRENT OF THE SURGE SUPPRESSION DEVICE SHALL BE 15 AMPS. THE SURGE SUPPRESSION DEVICE SHALL HAVE AN ENERGY HANDLING RATING OF 1280 JOULES, UL 1499 LET THROUGH RATING OF 330 VOLTS, AND SURGE CURRENT RATING OF 50,000 AMPS.

PROVIDE AN ARC FLASH HAZARD WARNING SIGN ON THE OUTSIDE OF THE FRONT DOOR OF THE CABINET IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE PARAGRAPH 110.16.

FOR LOCATIONS WITHOUT A POWER METER CABINET, PROVIDE AN AVAILABLE FAULT CURRENT SIGN ON THE OUTSIDE OF THE FRONT DOOR OF THE TRAFFIC SIGNAL CONTROLLER CABINET IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE PARAGRAPH 110.24. 3/20/20

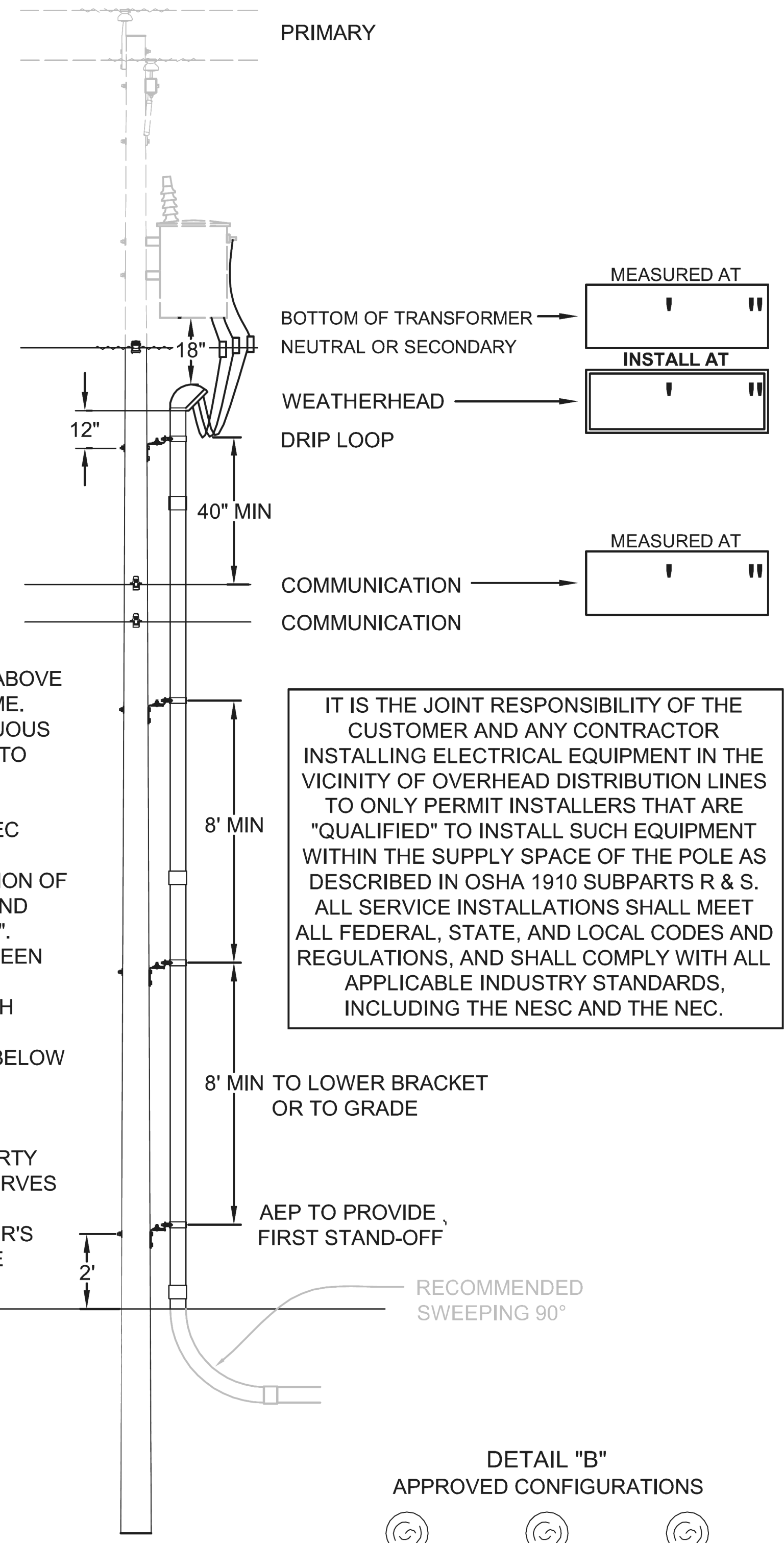
**DANGER - HIGH VOLTAGE**  
DO NOT CLIMB OR EXTEND CONDUIT ABOVE BOTTOM OF TRANSFORMER

**CAUTION**  
UNQUALIFIED PERSONNEL MUST REMAIN 10 FEET BELOW THE WEATHERHEAD ELEVATION

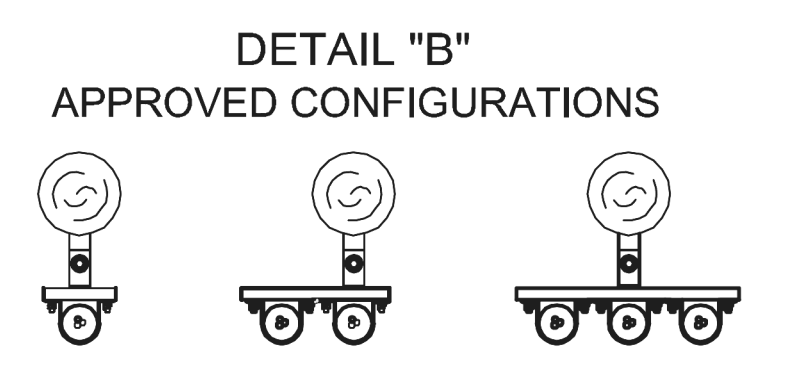
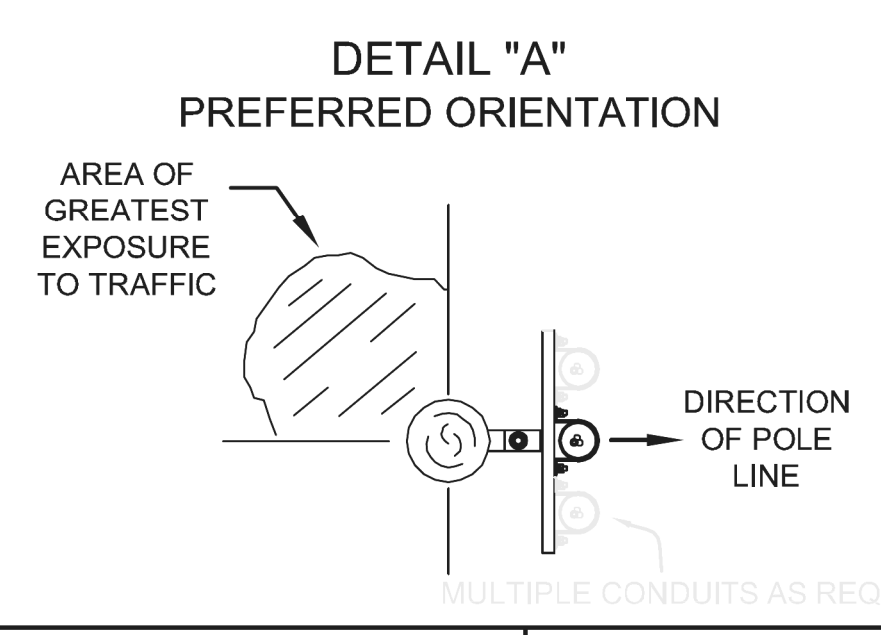
**NOTES:**

1. DO NOT EXTEND CONDUIT OR SERVICE WIRE ABOVE THE BOTTOM OF THE TRANSFORMER AT ANY TIME.
2. CUSTOMER TO PROVIDE ADDITIONAL CONTINUOUS CABLE WITH SUFFICIENT LENGTH (18" MINIMUM) TO CONNECT WITH OVERHEAD SOURCE.
3. AEP TO MAKE CONNECTIONS TO SOURCE.
4. CONDUIT ASSEMBLY TO BE INSTALLED PER NEC AND STATE/LOCAL REQUIREMENTS.
5. AEP SHALL DETERMINE THE LOCATION/ POSITION OF RISER ON THE POLE BASED ON TRAFFIC FLOW AND COMMUNICATION ATTACHMENTS. SEE DETAIL "A".
6. MAINTAIN A MINIMUM OF THREE INCHES BETWEEN RISER CONDUIT AND COMMUNICATION CABLE.
7. MULTIPLE CONDUITS REQUIRE STANDOFF WITH T-SLOT FOR SUPPORT. SEE DETAIL "B".
8. WHERE 40" ABOVE COMMUNICATION AND 18" BELOW BOTTOM OF TRANSFORMER CANNOT BOTH BE OBTAINED, AEP ENGINEERING WILL DETERMINE NECESSARY REMEDY
9. THE SERVICE RISER WILL REMAIN THE PROPERTY AND RESPONSIBILITY OF CUSTOMER. AEP RESERVES THE RIGHT TO REQUIRE RELOCATION AND/OR TRANSFER OF SERVICE RISER AT THE CUSTOMER'S EXPENSE, DUE TO FUTURE ATTACHEES OR POLE REPLACEMENT

PRIMARY



IT IS THE JOINT RESPONSIBILITY OF THE CUSTOMER AND ANY CONTRACTOR INSTALLING ELECTRICAL EQUIPMENT IN THE VICINITY OF OVERHEAD DISTRIBUTION LINES TO ONLY PERMIT INSTALLERS THAT ARE "QUALIFIED" TO INSTALL SUCH EQUIPMENT WITHIN THE SUPPLY SPACE OF THE POLE AS DESCRIBED IN OSHA 1910 SUBPARTS R & S. ALL SERVICE INSTALLATIONS SHALL MEET ALL FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS, AND SHALL COMPLY WITH ALL APPLICABLE INDUSTRY STANDARDS, INCLUDING THE NESC AND THE NEC.



**SPECIFICATION FOR PRIVATE RISER INSTALLED ON AEP POLE**

CREATED: 6/11/12  
REF: DS2007-B, DS2007-C

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TRAFFIC SIGNALS QUANTITIES

427	428	432	436	440	443	ITEM	UNIT	TOTAL	DESCRIPTION
1		1	1	1	1	614	EACH	5	SPECIAL - WORK ZONE TRAFFIC SIGNAL
12		15	11	11		625	EACH	49	GROUND ROD
592	116	320	354	155		625	FT	1537	NO. 4 AWG 600 VOLT DISTRIBUTION CABLE, AS PER PLAN
		1	2			625	EACH	3	PULL BOX, 725.06, 12"X18" (TRAFFIC)
		2	2	1		625	EACH	5	PULL BOX, 27"
		1		3		625	EACH	4	PULL BOX, 32"
1		1	1			625	EACH	3	PULL BOX, 48" TYPE I
160		219	94	119		625	FT	592	TRENCH, AS PER PLAN
268		375	140	189		625	FT	972	CONDUIT, 2", 725.051
56		40	32	37		625	FT	165	CONDUIT, 3", 725.051
12		23	28	18		625	FT	81	CONDUIT, CONCRETE ENCASED, 2", 725.051
			7			626	FT	7	TRENCH IN PAVED AREA, TYPE A, AS PER PLAN
		1				625	EACH	1	BRACKET ARM, 30', AS PER PLAN
1		4	3	4		630	EACH	12	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN
40		20	23	27		630	SF	110	SIGN, FLAT SHEET, AS PER PLAN
9		36	27	36		630	SF	108	STREET NAME SIGN
1		1	1	1	1	630	EACH	5	SIGNING, MISC.: TRAFFIC SIGNAL SIGNS
8		8	6	7		632	EACH	29	VEHICULAR SIGNAL HEAD, L.E.D., 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE
				1		632	EACH	1	VEHICULAR SIGNAL HEAD, L.E.D., 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE
6		8	6	8		632	EACH	28	PEDESTRIAN SIGNAL HEAD
2		4	-	4		632	EACH	10	PEDESTRIAN PUSHBUTTON
			6			632	EACH	6	SIGNALIZATION, MISC.: APS PUSHBUTTON STATION
1		1	1	1		632	EACH	4	SIGNALIZATION, MISC.: STOP LINE RADAR DETECTION SYSTEM
4		4	4	4		632	EACH	16	STRAIN POLE FOUNDATION
5		8	3	4		632	EACH	20	PEDESTAL FOUNDATION
			3			632	EACH	3	STRAIN POLE, TYPE 4170, DESIGN 7
			1			632	EACH	1	STRAIN POLE, TYPE 4170, DESIGN 8
				4		632	EACH	4	STRAIN POLE, TYPE 4170, DESIGN 9
		2				632	EACH	2	STRAIN POLE, TYPE 4170, DESIGN 10
4		1				632	EACH	5	STRAIN POLE, TYPE 4170, DESIGN 12
		1				632	EACH	1	COMBINATION STRAIN POLE, TYPE 4170, DESIGN 12
4		6	3	2		632	EACH	15	PEDESTAL SUPPORT, 10.7', TRANSFORMER BASE
1		2		2		632	EACH	5	PEDESTAL SUPPORT, 21', TRANSFORMER BASE
			239			632	FT	239	MESSENGER WIRE, 7 STRAND, 3/8 INCH DIAMETER, WITH ACCESSORIES
313		319				632	FT	632	MESSENGER WIRE, 7 STRAND, 1/2 INCH DIAMETER, WITH ACCESSORIES
				233		632	FT	233	MESSENGER WIRE, 7 STRAND, 7/16 INCH DIAMETER, WITH ACCESSORIES
			120			632	FT	120	SIGNAL CABLE, 4 CONDUCTOR, NO. 14 AWG
1166		1113	723	457		632	FT	3459	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
266		272	316	608		632	FT	1462	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG
256		741	833	608		632	FT	2438	LOOP DETECTOR LEAD-IN CABLE, IMSA 50-2
367		5	297	325		632	FT	994	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG
	5	18	6	6		632	FT	35	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
	1	1	1	1		632	EACH	4	SIGNALIZATION, MISC.: POWER METER CABINET (TYPE I), BASE MOUNT, WITH FOUNDATION
	1	1	1	1		632	EACH	4	POWER SERVICE, AS PER PLAN
313		319	239	233		632	FT	1104	TETHER WIRE, WITH ACCESSORIES
			2			632	EACH	2	SIGNALIZATION, MISC.: FOUNDATION PRE EXCAVATION

CALCULATED  
JSW  
CHECKED  
EMS

TRAFFIC SIGNAL INSTALLATION  
SUB SUMMARY

HUDSON ST

424  
535

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**TRAFFIC SIGNALS QUANTITIES**

427	428	432	436	440	443	ITEM	UNIT	TOTAL	DESCRIPTION
2	2	1	2	3		632	EACH	10	CONDUIT RISER, 2", SCH 80 (GRAY), 725.053
8		8	6	8		632	EACH	30	COVERING OF VEHICULAR SIGNAL HEAD
2		8	6	8		632	EACH	24	COVERING OF PEDESTRIAN SIGNAL HEAD
2		4	6	4		632	EACH	16	COVERING OF PEDESTRIAN PUSHBUTTON
1		1	1	1		632	EACH	4	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
					2	632	EACH	2	DETECTOR LOOP
		1				632	EACH	1	SPECIAL - COORDINATION WITH POLICE CAMERA AND WIRELESS RADIO RELOCATION
1		1	1	1		633	EACH	4	CONTROLLER UNIT TS2/A2, W/CABINET 16 CH, SIZE 6, GROUND MOUNTED, AS PER PLAN
1		1	1	1		633	EACH	4	CABINET FOUNDATION
1		1	1	1		633	EACH	4	CONTROLLER WORK PAD

CALCULATED  
 JSW  
 CHECKED  
 EMS

**TRAFFIC SIGNAL INSTALLATION  
 SUB SUMMARY**

**HUDSON ST**

**3575 - E**

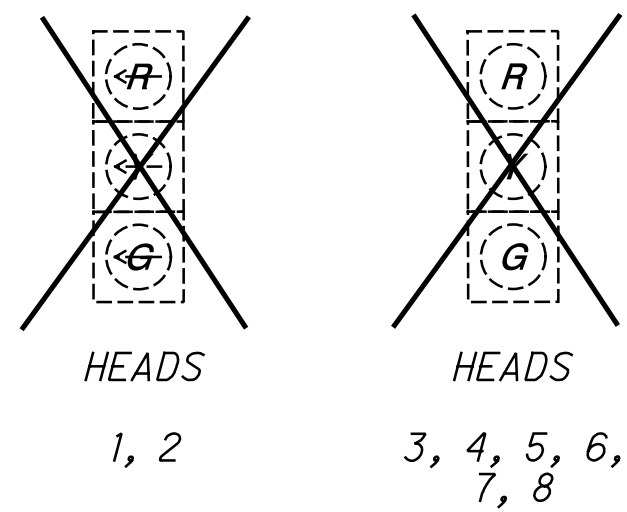
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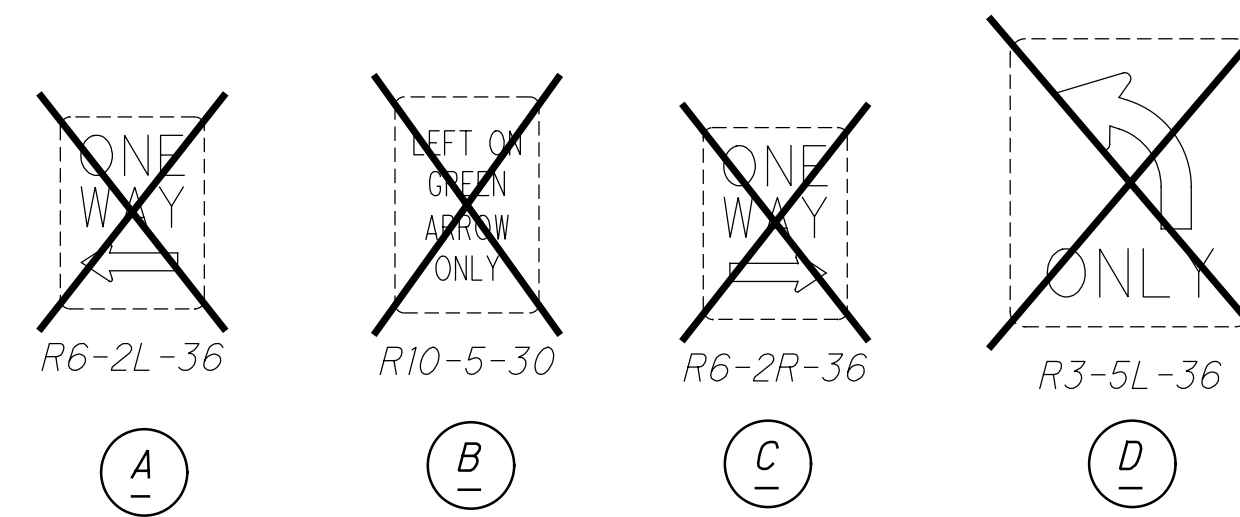
**LEGEND**

- SIGNAL HEADS:** PROP. VEHICULAR PROP. VEHICULAR PROP. PEDESTRIAN Ex. PEDESTRIAN   
**SIGNAL POLES:** PROP. ANCHOR/STRAIN POLE Ex. ANCHOR/STRAIN POLE   
 PROP. PEDESTAL Ex. PEDESTAL PROP. MESSANGER WIRE & TETHER   
**CONTROLLERS & CABINETS:** PROP. CABINET W/ PAD   
**PULL BOXES:** EX. PULL BOX PROP. PULL BOX   
**DETECTION:** STOP LINE RADAR DETECTION RADAR ZONE 21

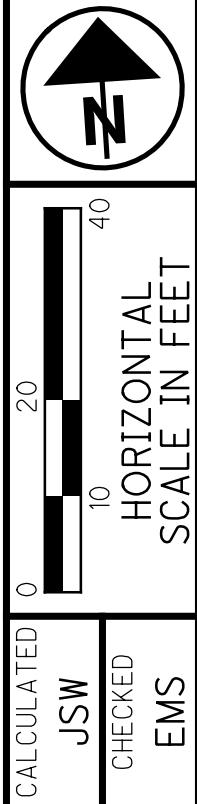
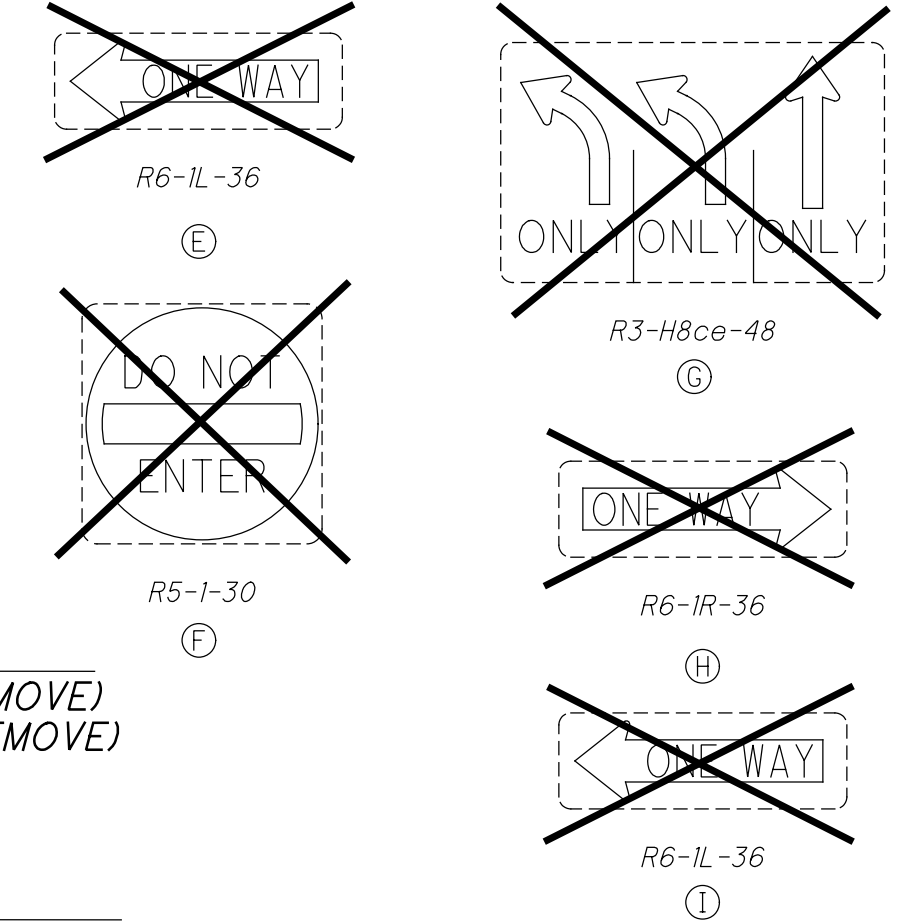
**EXISTING VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION**



**EXISTING OVERHEAD MOUNTED SIGN**



**EXISTING POLE MOUNTED SIGN**



Ex. Signal Support (REMOVE)  
 W/(1)-Ex. Pedestrian Signal Head (REMOVE)  
 STA. 18+82.2, 29.7' LT

Ex. Signal Support (REMOVE)  
 W/(2)-Ex. Pedestrian Signal Head (REMOVE)  
 w/(1)-Ex. Video Detection System (REMOVE)  
 STA. 19+63.9, 41.6' LT

Ex. Pedestal (REMOVE)  
 W/ Ex. (1) pushbutton (REMOVE)  
 STA. 19+75.4, 37.7' LT

Ex. Pedestal (REMOVE)  
 W/(1)-Ex. Pedestrian Signal Head (REMOVE)  
 STA. 19+76.3, 40.19' RT  
 W/ ex pushbutton (remove)

Ex. Conduit (ABANDON IN PLACE)  
 W/Ex. Signal Cables (REMOVE)

Ex. Pole Mounted Controller (REMOVE)  
 STA. 19+71.3, 41.6' RT

Ex. Signal Support (REMOVE)  
 STA. 19+69.4, 41.7' RT

Ex. Pull Box (REMOVE)  
 STA. 19+70.3, 44.3' RT

Ex. Pull Box (REMOVE)  
 STA. 15+66.7, 2.5' LT

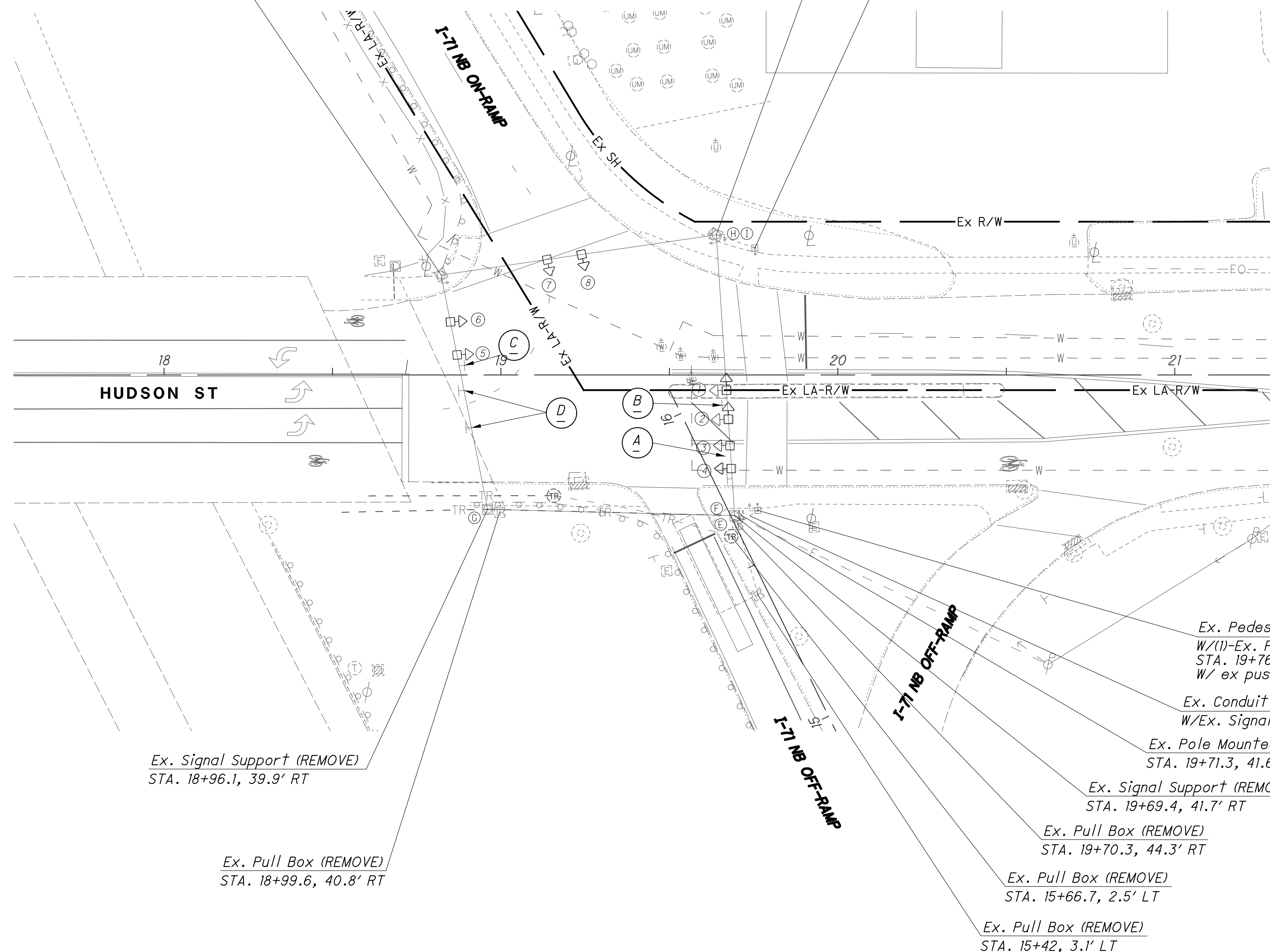
Ex. Pull Box (REMOVE)  
 STA. 15+42, 3.1' LT

Ex. Signal Support (REMOVE)  
 STA. 18+96.1, 39.9' RT

Ex. Pull Box (REMOVE)  
 STA. 18+99.6, 40.8' RT

**ITEM 632 REMOVAL OF TRAFFIC EXISTING SIGNAL INSTALLATION, AS PER PLAN**

QUANTITY	REMOVED ITEM DESCRIPTION	DELIVERED TO 1820 E. 17TH AVE.	DISPOSED OF BY PROJECT	RELOCATE TO NEW CABINET
3	PULL BOX (POLY-CONCRETE)		X	
3	PULL BOX LIDS AND FRAMES	X		
3	PULL BOX CASTING		X	
2	PEDESTRIAN PUSHBUTTON	X		
5	SPAN MOUNTED SIGN	X		
5	POLE MOUNTED SIGN	X		
1	SIGNAL WIRES (LUMP SUM)		X	
6	FOUNDATIONS		X	
1	SIGNAL CONDUIT (LUMP SUM)		X	
1	CONTROLLER	X		
1	SPAN WIRE (LUMP SUM)		X	
4	PEDESTRIAN SIGNAL HEAD	X		
8	VEHICULAR SIGNAL HEAD	X		
1	POWER SERVICE		X	
4	EMBEDDED POLES		X	
2	PEDESTALS	X		
1	VIDEO DETECTION SYSTEM	X		
1	LAYER 2 SWITCH			X
2	GBIC MODULES			X
1	TERMINATION PANEL			X
1	LOOP DETECTORS		X	



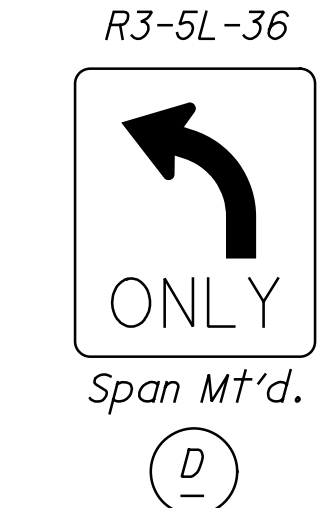
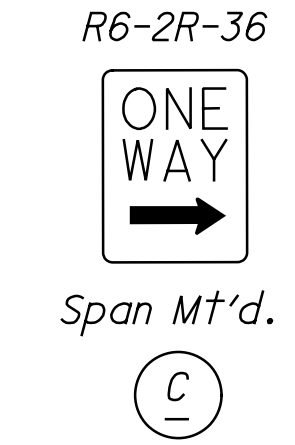
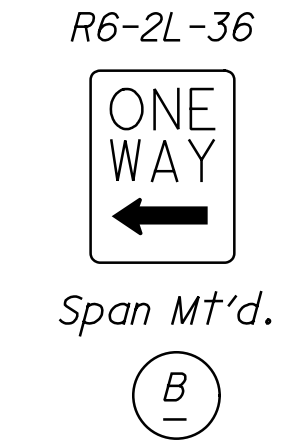
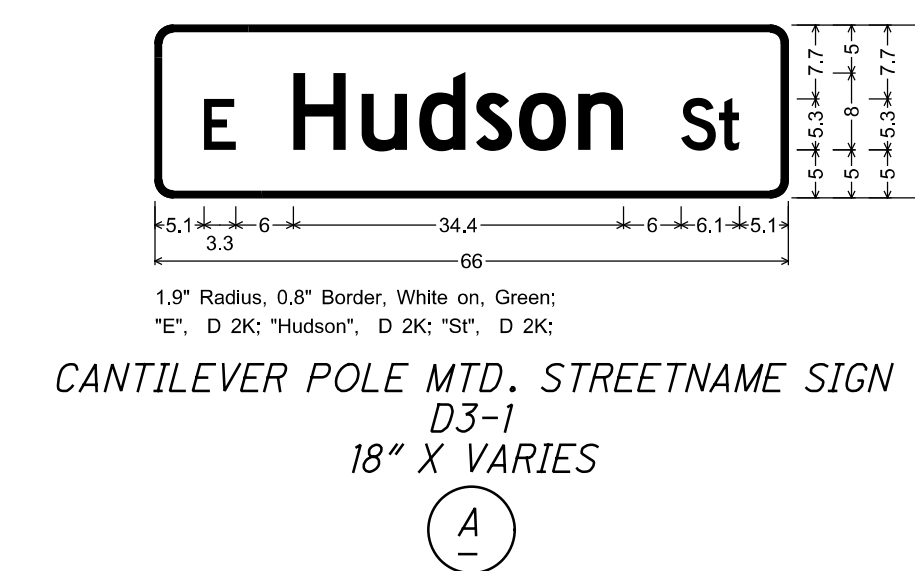
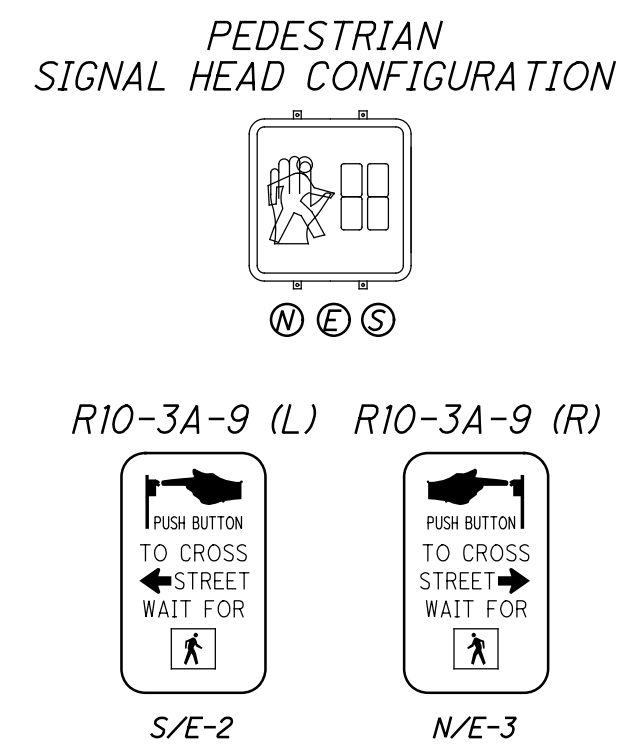
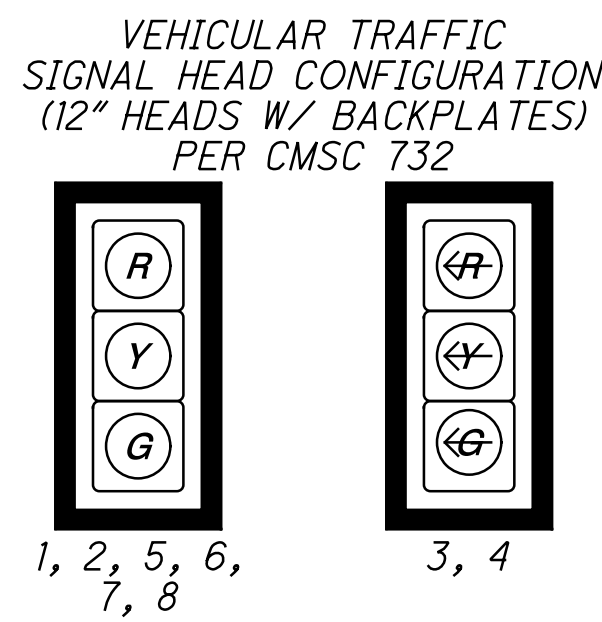
**TRAFFIC SIGNAL REMOVAL PLAN  
 HUDSON ST AT I-71 NB**

**HUDSON ST**

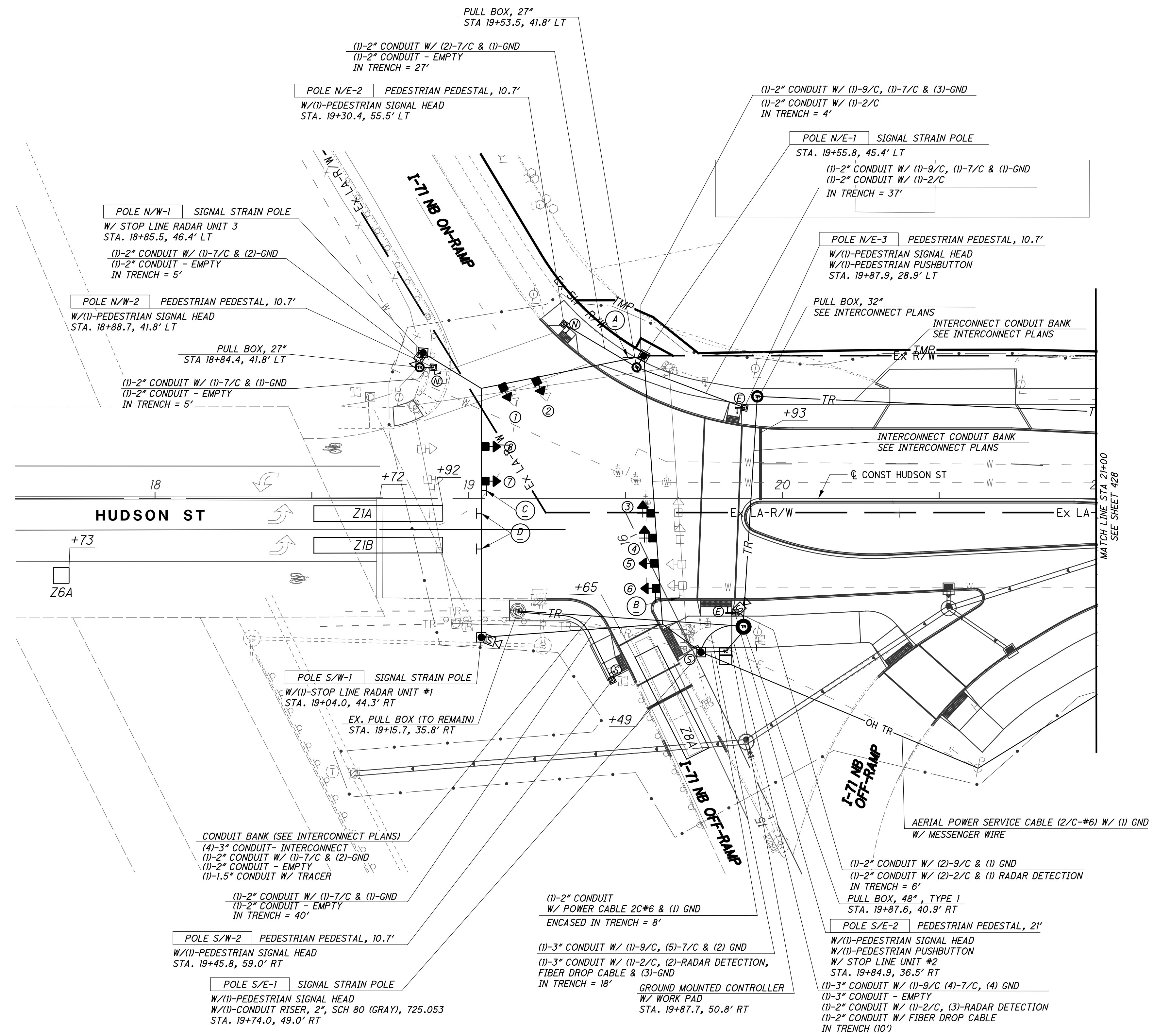
**3575-E**

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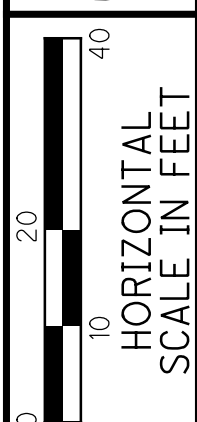
- LEGEND**
- SIGNAL HEADS: PROP. VEHICULAR PROP. PEDESTRIAN
- SIGNAL POLES: PROP. ANCHOR/STRAIN POLE PROP. PEDESTAL PUSHBUTTON PROP. MESSENGER WIRE & TETHER
- CONTROLLERS & CABINETS: PROP. CABINET W/ PAD
- PULL BOXES: EX. PULL BOX PROP. PULL BOX
- DETECTION: STOP LINE RADAR UNIT DILEMMA ZONE RADAR
- DETECTION ZONE Z1



- NOTES:**
- THE CONTRACTOR SHALL ENSURE THAT ALL PROPOSED SIDEWALKS/ PATHWAYS MEET ADA GUIDELINES PER CITY SPECIFICATIONS.
  - THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING SIDEWALKS/ PATHWAYS WITHIN THE PROJECT WORK LIMITS MEET ADA GUIDELINES PER CITY SPECIFICATIONS.
  - ALL CABLES, UNLESS SPECIFIED IN THE PLANS, ARE TO BE ROUTED INSIDE THE ANCHOR BASE SIGNAL SUPPORT POLE OR PEDESTAL. CABLES NOT SERVING A GIVEN POLE OR PEDESTAL SHALL NOT BE ROUTED THROUGH THE POLE.
  - POWER, SERVICE AND INTERCONNECT CABLE SHALL BE CONTINUOUS WITH NO SPLICES, EXCEPT AS NOTED.
  - FOR SIGNING AND PAVEMENT MARKINGS, SEE SHEETS 394-419.
  - N/A
  - FOR POLE BASE FOUNDATIONS NOT WITHIN SIDEWALK AREA, THE TOP OF THE POLE BASE FOUNDATION SHALL BE EDGED USING A 1/2" SIDEWALK EDGER INSTEAD OF BEING CHAMFERED.
  - THE CITY OF COLUMBUS SHALL APPROVE BOLT ALIGNMENT, POLE/PEDESTAL FOUNDATION LOCATION, AND ELEVATION PRIOR TO THE CONTRACTOR INSTALLING THE FOUNDATION.
  - TAGGING OF CABLE IN THE PULL BOX IMMEDIATELY ADJACENT TO THE CONTROL CABINET IS NOT REQUIRED EXCEPT FOR TAGGING OF CERTAIN CABLE AS DIRECTED BY THE PROJECT ENGINEER, OR AS PER PLAN.
  - DO NOT ENCASE THE GROUND ROD, THE GROUNDING WIRE, OR THE EMT CONDUIT ENDS IN CONCRETE THAT FALL OUTSIDE OF THE FOUNDATION. FULL ACCESS TO THESE ITEMS MUST BE MAINTAINED AT ALL TIMES. PERMANENTLY MARK THE TOP OF FOUNDATION CONCRETE, WITH A MARKER OR SYMBOL SO THE ROD LOCATION CAN BE IDENTIFIED BY OTHERS.
  - ANY SIGNAL POLE BASE FOUNDATION ADJACENT TO A SIDEWALK AREA SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK UNLESS OTHERWISE STATED. SIGNAL POLE FOUNDATIONS WITHIN SIDEWALK AREA SHALL BE PER STD DWG 4161.
  - THE CONTRACTOR SHALL NOT INSTALL POLE FOUNDATIONS UNTIL THE POLE LOCATION AREA IS AT FINISHED GRADE.
  - UNDERGROUND CONDUIT AND TRENCH THAT ARE UNDER PROPOSED SIDEWALK OR ROADWAY AREAS SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF SIDEWALKS OR ANY ASPHALT OR CONCRETE ROADWAY COURSE.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL POWER CABLE/CONDUIT FROM THE TRAFFIC SIGNAL CONTROLLER CABINET, THROUGH THE POWER METER CABINET (WHEN APPLICABLE), AND TO THE POWER/WOOD POLE AT STA. 22+09.4, 42.0' RT. COIL ENOUGH CABLE AT THE BOTTOM OF THE POWER POLE TO REACH THE POWER HOOK-UP POINT ON THE POLE.
  - N/A
  - SEE INTERCONNECT SCHEMATIC SHEETS 447 FOR INTERCONNECT ITEMS.
  - N/A
  - THE CONTROL CABINET DOOR SHALL BE LOCATED ON THE NORTH SIDE OF THE CABINET.
  - N/A
  - USE A SEPARATE CONDUIT FOR EACH GROUPING OF CABLES UNLESS OTHERWISE INDICATED: ONE CONDUIT FOR 120VAC SIGNAL CABLE (3/C, 7/C, 9/C); ONE CONDUIT FOR POWER; ONE CONDUIT FOR 2 CONDUCTOR CABLE (LOOP & PUSHBUTTON); AND ONE CONDUIT FOR INTERCONNECT/COMMUNICATIONS CABLE (TWISTED PAIR, FIBER OPTICS OR COAX). ANY OTHER LOW VOLTAGE CABLE NOT SPECIFIED ABOVE CAN BE PLACED IN THE 2 CONDUCTOR CABLE CONDUIT. POWER CABLE MUST BE PLACED IN ITS OWN CONDUIT.
  - UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY. A PREFORMED PVC CONDUIT ELBOW SHALL BE USED TO CHANGE THE PVC CONDUIT DIRECTION BEYOND WHAT ITS NATURAL BENDING FLEX WOULD YIELD. RIGID METAL CONDUIT CAN BE BENT TO FORM AN ELBOW OR ANY OTHER BENDING ANGLE REQUIRED ONLY IF A PROPER CONDUIT BENDING MACHINE IS USED. THE ELBOW RADIUS FOR ANY NON-INTERCONNECT CONDUIT SHALL BE 24" OR LARGER WHEN USED IN A HORIZONTAL OR VERTICAL MANNER. ANY TYPE OF ELBOW USED FOR INTERCONNECT CONDUIT SHALL HAVE A RADIUS OF 36" OR LARGER WHEN USED IN A HORIZONTAL DIRECTION OR IN A VERTICAL DIRECTION WHEN THE TRENCH IS 36" OR DEEPER. IF THE TRENCH IS LESS THAN 36" THEN THE VERTICAL ELBOW RADIUS SHALL BE 24".
  - ALL CLAMPS AND BANDING MATERIAL SHALL BE PAINTED TO MATCH THE SIGNAL SUPPORTS.
  - N/A
  - N/A



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TRAFFIC SIGNAL INSTALLATION PLAN  
HUDSON ST AT I-71 NB

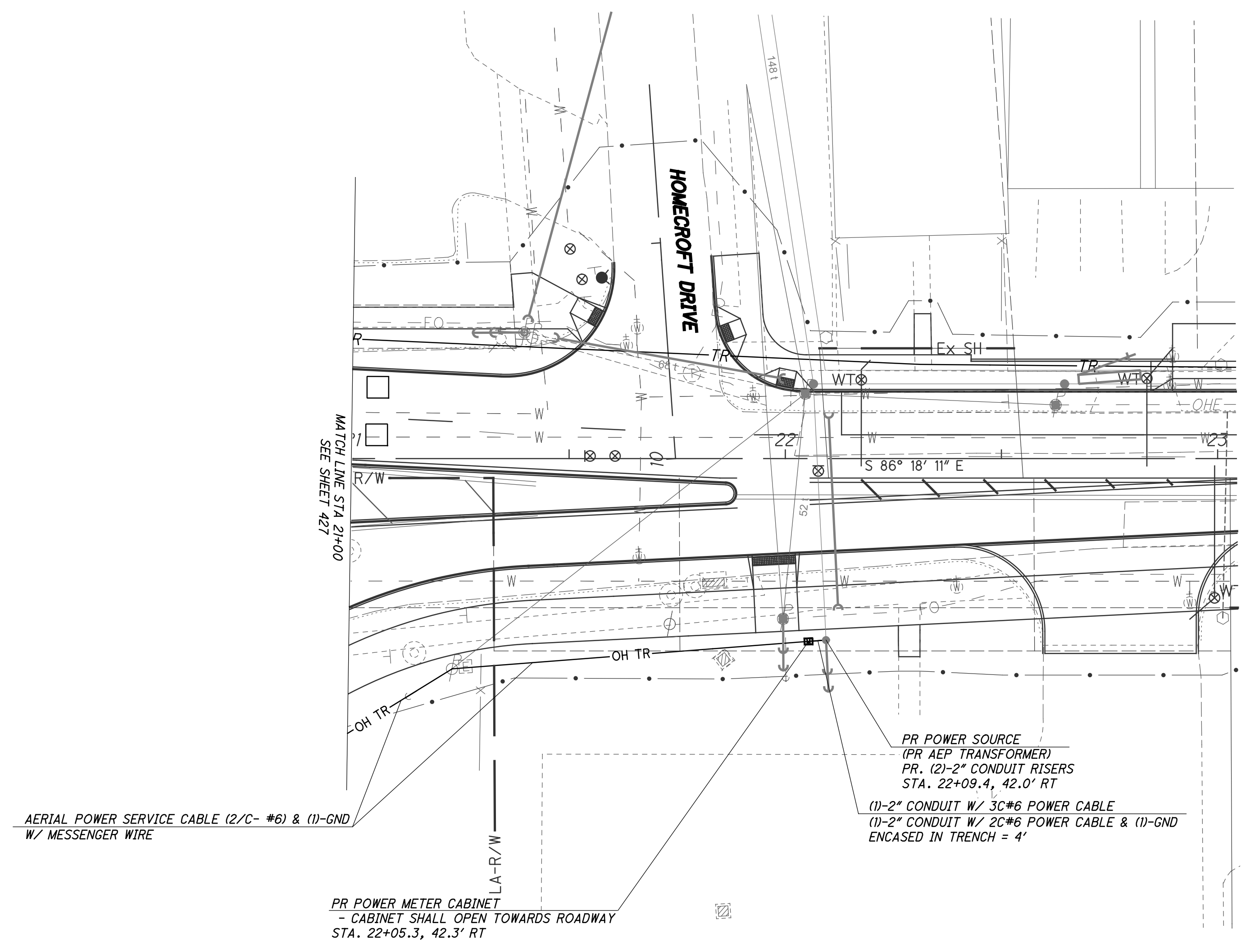
HUDSON ST

428  
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LEGEND

- SIGNAL HEADS: PROP. VEHICULAR
- PROP. PEDESTRIAN
- SIGNAL POLES: PROP. ANCHOR/STRAIN POLE
- PROP. PEDESTAL
- PROP. MESSANGER WIRE & TETHER
- CONTROLLERS & CABINETS: PROP. CABINET W/ PAD
- PULL BOXES: EX. PULL BOX
- PROP. PULL BOX
- DETECTION: STOP LINE RADAR UNIT
- DILEMMA ZONE RADAR
- DETECTION ZONE

- NOTES:
1. THE CONTRACTOR SHALL ENSURE THAT ALL PROPOSED SIDEWALKS/ PATHWAYS MEET ADA GUIDELINES PER CITY SPECIFICATIONS.
  2. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING SIDEWALKS/ PATHWAYS WITHIN THE PROJECT WORK LIMITS MEET ADA GUIDELINES PER CITY SPECIFICATIONS.
  3. ALL CABLES, UNLESS SPECIFIED IN THE PLANS, ARE TO BE ROUTED INSIDE THE ANCHOR BASE SIGNAL SUPPORT POLE OR PEDESTAL. CABLES NOT SERVING A GIVEN POLE OR PEDESTAL SHALL NOT BE ROUTED THROUGH THE POLE.
  4. POWER, SERVICE AND INTERCONNECT CABLE SHALL BE CONTINUOUS WITH NO SPLICES, EXCEPT AS NOTED.
  5. FOR SIGNING AND PAVEMENT MARKINGS, SEE SHEETS 394-419 .
  6. N/A
  7. FOR POLE BASE FOUNDATIONS NOT WITHIN SIDEWALK AREA, THE TOP OF THE POLE BASE FOUNDATION SHALL BE EDGED USING A 1/2" SIDEWALK EDGER INSTEAD OF BEING CHAMFERED.
  8. THE CITY OF COLUMBUS SHALL APPROVE BOLT ALIGNMENT, POLE/PEDESTAL FOUNDATION LOCATION, AND ELEVATION PRIOR TO THE CONTRACTOR INSTALLING THE FOUNDATION.
  9. TAGGING OF CABLE IN THE PULL BOX IMMEDIATELY ADJACENT TO THE CONTROL CABINET IS NOT REQUIRED EXCEPT FOR TAGGING OF CERTAIN CABLE AS DIRECTED BY THE PROJECT ENGINEER, OR AS PER PLAN.
  10. DO NOT ENCASE THE GROUND ROD, THE GROUNDING WIRE, OR THE EMT CONDUIT ENDS IN CONCRETE THAT FALL OUTSIDE OF THE FOUNDATION. FULL ACCESS TO THESE ITEMS MUST BE MAINTAINED AT ALL TIMES. PERMANENTLY MARK THE TOP OF FOUNDATION CONCRETE, WITH A MARKER OR SYMBOL SO THE ROD LOCATION CAN BE IDENTIFIED BY OTHERS.
  11. ANY SIGNAL POLE BASE FOUNDATION ADJACENT TO A SIDEWALK AREA SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK UNLESS OTHERWISE STATED. SIGNAL POLE FOUNDATIONS WITHIN SIDEWALK AREA SHALL BE PER STD DWG 4161.
  12. THE CONTRACTOR SHALL NOT INSTALL POLE FOUNDATIONS UNTIL THE POLE LOCATION AREA IS AT FINISHED GRADE.
  13. UNDERGROUND CONDUIT AND TRENCH THAT ARE UNDER PROPOSED SIDEWALK OR ROADWAY AREAS SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF SIDEWALKS OR ANY ASPHALT OR CONCRETE ROADWAY COURSE.
  14. THE CONTRACTOR SHALL PROVIDE AND INSTALL POWER CABLE/CONDUIT FROM THE TRAFFIC SIGNAL CONTROLLER CABINET, THROUGH THE POWER METER CABINET (WHEN APPLICABLE), AND TO THE POWER/WOOD POLE AT STA. 22+09.4, 42.0' RT. COIL ENOUGH CABLE AT THE BOTTOM OF THE POWER POLE TO REACH THE POWER HOOK-UP POINT ON THE POLE.
  15. N/A
  16. SEE INTERCONNECT SCHEMATIC SHEETS 447 FOR INTERCONNECT ITEMS.
  17. N/A
  18. THE CONTROL CABINET DOOR SHALL BE LOCATED ON THE NORTH SIDE OF THE CABINET.
  19. N/A
  20. USE A SEPARATE CONDUIT FOR EACH GROUPING OF CABLES UNLESS OTHERWISE INDICATED: ONE CONDUIT FOR 120VAC SIGNAL CABLE (3/C, 7/C, 9/C); ONE CONDUIT FOR POWER; ONE CONDUIT FOR 2 CONDUCTOR CABLE (LOOP & PUSHBUTTON); AND ONE CONDUIT FOR INTERCONNECT/COMMUNICATIONS CABLE (TWISTED PAIR, FIBER OPTICS OR COAX). ANY OTHER LOW VOLTAGE CABLE NOT SPECIFIED ABOVE CAN BE PLACED IN THE 2 CONDUCTOR CABLE CONDUIT. POWER CABLE MUST BE PLACED IN ITS OWN CONDUIT.
  21. UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY. A PREFORMED PVC CONDUIT ELBOW SHALL BE USED TO CHANGE THE PVC CONDUIT DIRECTION BEYOND WHAT ITS NATURAL BENDING FLEX WOULD YIELD. RIGID METAL CONDUIT CAN BE BENT TO FORM AN ELBOW OR ANY OTHER BENDING ANGLE REQUIRED ONLY IF A PROPER CONDUIT BENDING MACHINE IS USED. THE ELBOW RADIUS FOR ANY NON-INTERCONNECT CONDUIT SHALL BE 24" OR LARGER WHEN USED IN A HORIZONTAL OR VERTICAL MANNER. ANY TYPE OF ELBOW USED FOR INTERCONNECT CONDUIT SHALL HAVE A RADIUS OF 36" OR LARGER WHEN USED IN A HORIZONTAL DIRECTION OR IN A VERTICAL DIRECTION WHEN THE TRENCH IS 36" OR DEEPER. IF THE TRENCH IS LESS THAN 36" THEN THE VERTICAL ELBOW RADIUS SHALL BE 24".
  22. ALL CLAMPS AND BANDING MATERIAL SHALL BE PAINTED TO MATCH THE SIGNAL SUPPORTS.
  23. N/A
  24. N/A



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**FIELD WIRING HOOK-UP CHART**

SIGNAL HEAD #	INDICATION	FIELD TERMINAL	FLASH
1, 2 (NB)	R	φ8 R	R
	Y	φ8 Y	
	G	φ8 G	
3, 4 (EBLT)	<--R---	φ1 R	R
	<--Y---	φ1 Y	
	<--G---	φ1 G	
5, 6 (EB)	R	φ6 R	R
	Y	φ6 Y	
	G	φ6 G	
7, 8 (WB)	R	φ2 R	R
	Y	φ2 Y	
	G	φ2 G	
S (SOUTH)	WALK	G (φ6)-W	OFF
	DON'T WALK	R (φ6)-DW	
N (NORTH)	WALK	G (φ2)-W	OFF
	DON'T WALK	R (φ2)-DW	
E (EAST)	WALK	G (φ8)-W	OFF
	DON'T WALK	R (φ8)-DW	

**TIMING CHART**

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	EBLT	WB				EB		NB
MIN INITIAL	7	20				20		10
WALK		7				7		7
PED CHG		7				4		11
PASS/ EXT	3.7	3.7				3.7		3.7
YELLOW	3.2	4.1				4.1		3.5
RED CLR	1.4	1				1		2.2
MAX GRN 1	40	30				30		25
MAX GRN 2	50	60				60		60
PED RECALL	OFF	ON				ON		OFF
VEH RECALL	OFF	MIN				MIN		OFF
MEMORY	OFF	ON				ON		OFF

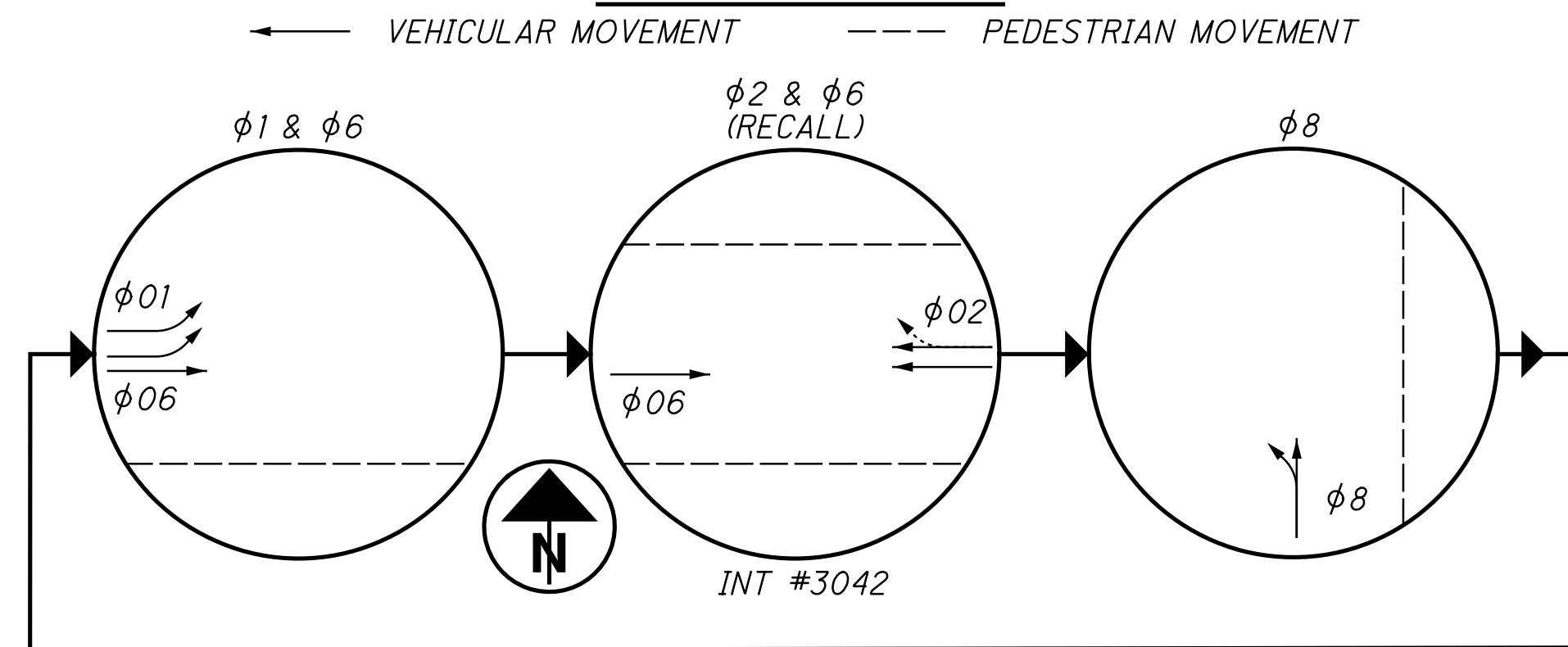
**RADAR DETECTION CHART**

DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	PURPOSE	DELAY DATA	
						DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z1A	3	φ1	5' x 40'	X	Call/Extend	3	φ1
Z1B	3	φ1	5' x 40'	X	Call/Extend	0	φ1
Z6A	3	φ6	5' x 5'	-	Call/Extend	0	φ6
Z8A	1	φ8	5' x 36'	X	Call/Extend	0	φ8
Z2A	2	φ2	5' x 5'	-	Call/Extend	0	φ2
Z2B	2	φ2	5' x 5'	-	Call/Extend	0	φ2

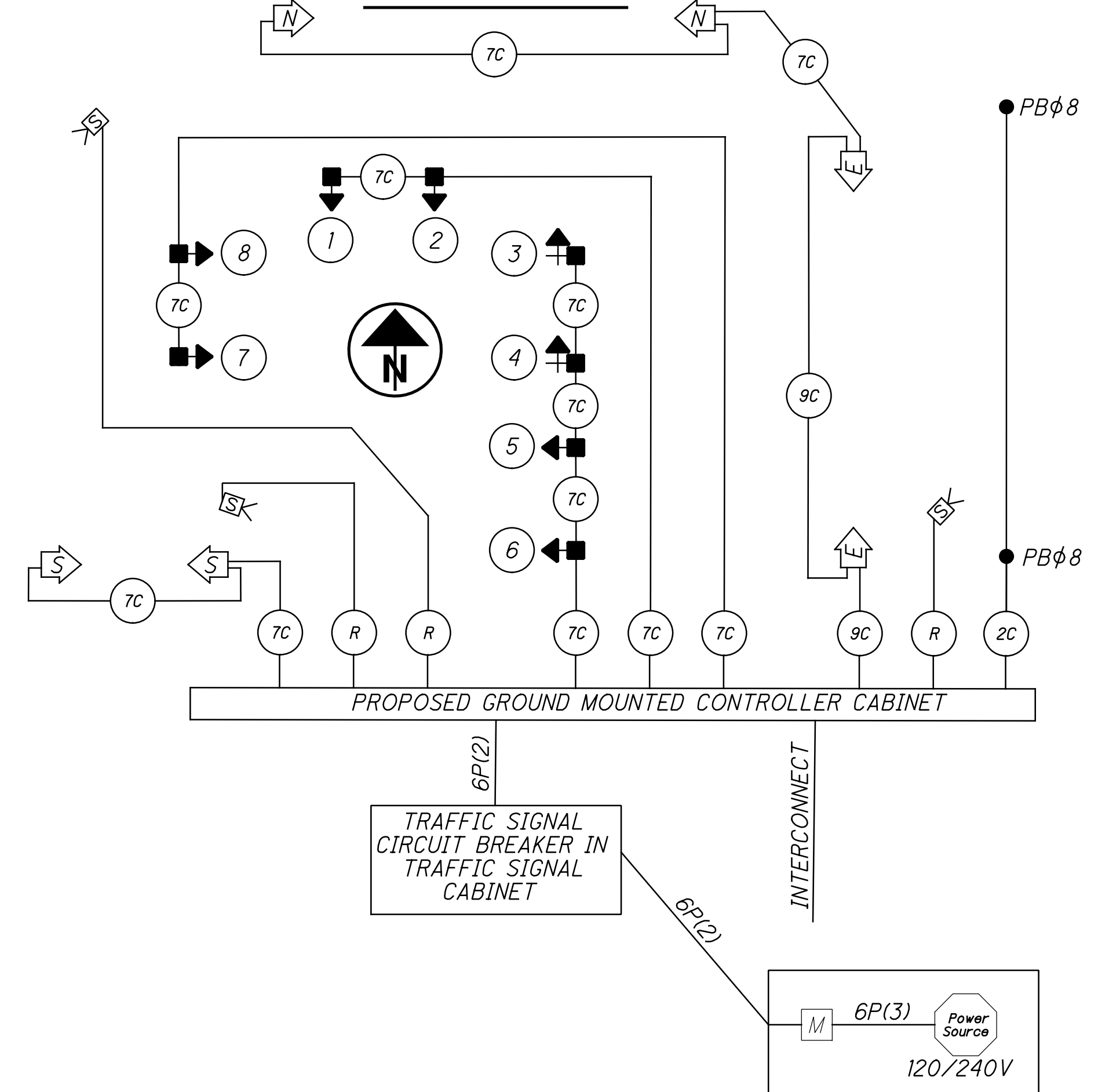
**WIRING DIAGRAM LEGEND**

- 3 SECTION VEHICULAR SIGNAL HEAD, 1-WAY
- 3 SECTION VEHICULAR SIGNAL HEAD, 1-WAY
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- STOP LINE RADAR UNIT
- POWER METER CABINET
- 3/C #6 AWG (Service)
- 2/C #6 AWG (Power)
- SIGNAL CABLE, # OF CONDUCTORS
- POWER SOURCE

**PHASING DIAGRAM**



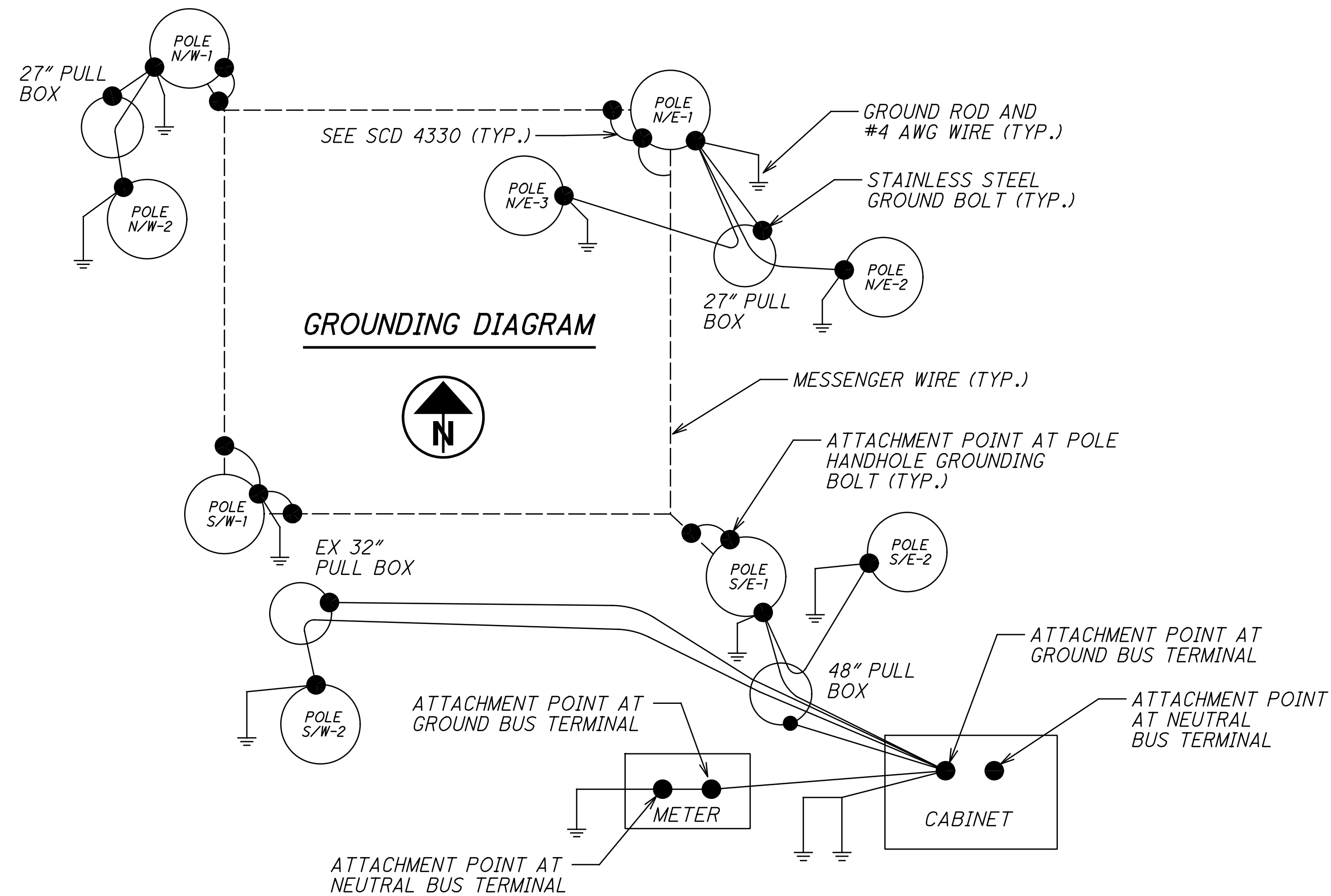
**WIRING DIAGRAM**



**NOTES:**

1. SET CONFLICT MONITOR FOR 10 SEC FLASH.
2. LOOP DETECTOR LEAD-IN CABLE SHALL BE USED FOR THE PEDESTRIAN PUSHBUTTONS. GROUND THE SHIELD ONLY AT THE CABINET.
3. SET ALL MAINLINE FAR (F) ZONE CHANNELS ON PRESENCE MODE. SET EXTENSION TIME TO 8 SECONDS ON ALL FAR (F) ZONE UNITS. SET ALL PRESENCE ZONE CHANNELS TO COUNT MODE. SET ALL 6'X6' ZONE CHANNELS TO PULSE MODE.
4. N/A
5. BACK PANEL WIRING (FRONT SIDE JUMPERS ONLY)
  - A1) HARD WIRE 'PED RECYCLE' TO GROUND.
  - A2) N/A
  - B) INSTALL A DIODE BETWEEN TERMINALS. φ2 'PHASE ON' OUTPUT AND φ1 'OMIT' INPUT, SO THE LEFT TURN PHASE φ1 IS OMITTED DURING THE THROUGH PHASE φ2.
  - C) N/A
  - D) USE DIODES TO PREVENT FEEDBACK ON MULTI-USE TERMINALS.
  - E) N/A
  - F) N/A
  - G) N/A
  - H) N/A
6. CONTROLLER SOFTWARE PROGRAMMING
  - A) INITIALIZE IN φ2 & φ6 GREEN
  - B) ENABLE ACTUATED REST-IN-WALK. ACTIVATE PHASE φ2 & φ6.
  - C) ENABLE DUAL ENTRY. ACTIVATE φ4 & φ8.
  - D) ENABLE SIMULTANEOUS GAP OUT. ACTIVATE φ2, φ4, φ6 & φ8.
  - E) N/A
7. N/A
8. N/A
9. INTERCONNECT CABLE SHALL BE CONTINUOUSLY RUN BETWEEN CONTROLLER CABINETS. NO SPLICES ARE PERMITTED EXCEPT WHERE NOTED.

**GROUNDING DIAGRAM**



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**TRAFFIC SIGNAL DETAILS**  
**HUDSON ST AT I-71 NB**

**HUDSON ST**

CALCULATED  
 JSW  
 CHECKED  
 EMS



**LEGEND**

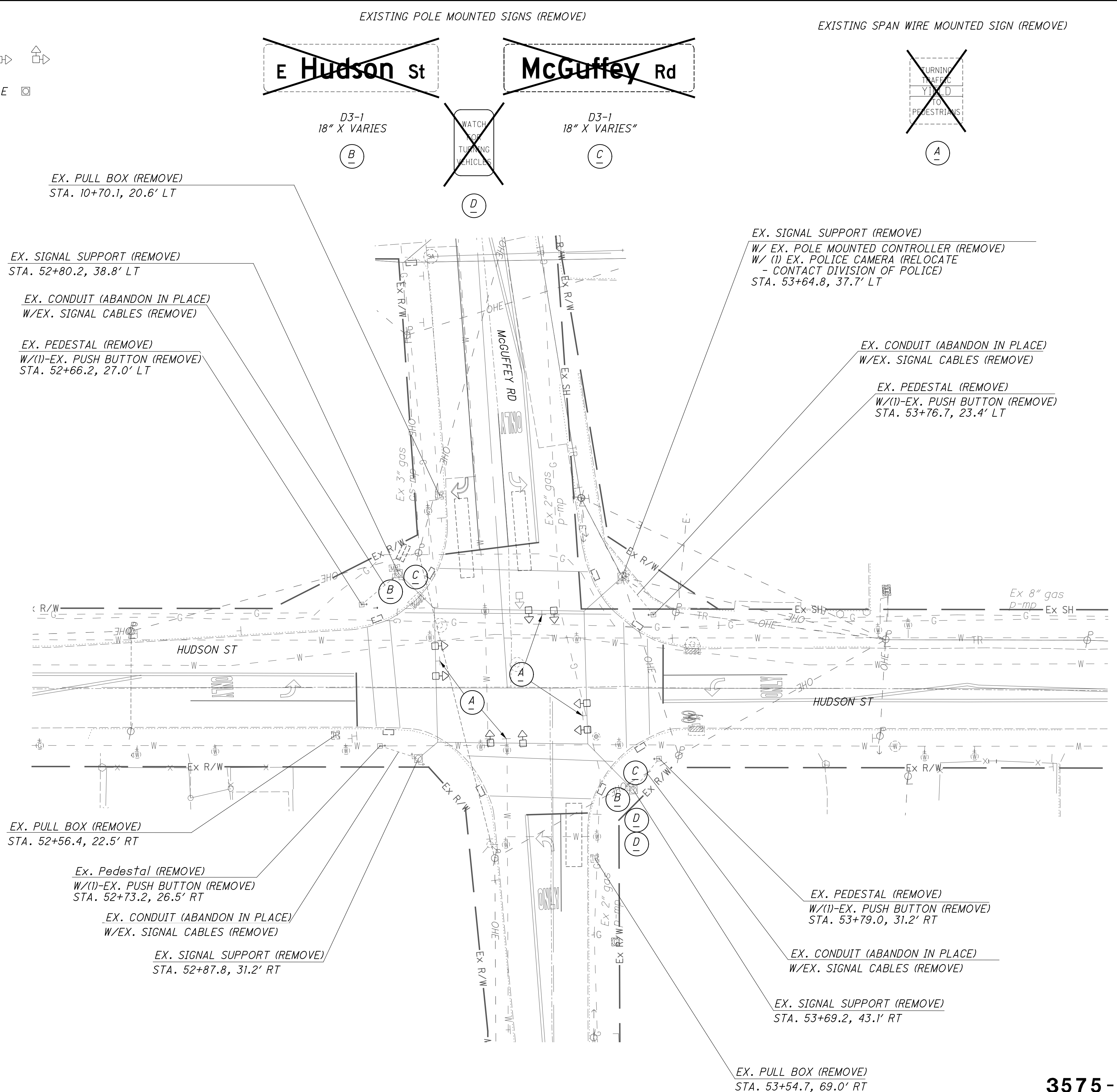
- SIGNAL HEADS:** PROP. VEHICULAR EX. VEHICULAR PROP. PEDESTRIAN EX. PEDESTRIAN
- SIGNAL POLES:** PROP. ANCHOR/STRAIN POLE EX. ANCHOR/STRAIN POLE PROP. PEDESTAL EX. PEDESTAL PROP. MESSANGER WIRE & TETHER
- CONTROLLERS & CABINETS:** PROP. CABINET W/ PAD
- PULL BOXES:** EX. PULL BOX PROP. PULL BOX
- DETECTION:** STOP LINE RADAR DETECTION RADAR ZONE

**NOTES:**

FULL EXTENT OF EXISTING TRAFFIC CONDUIT IS NOT SHOWN. EXISTING TRAFFIC CONDUIT SHALL BE REMOVED OR ABANDONED IN PLACE AS APPROPRIATE.

**ITEM 632 REMOVAL OF TRAFFIC EXISTING SIGNAL INSTALLATION, AS PER PLAN**

QUANTITY	REMOVED ITEM DESCRIPTION	DELIVERED TO 1820 E. 17TH AVE.	DISPOSED OF BY PROJECT	RELOCATE TO NEW CABINET
3	PULL BOX (POLY-CONCRETE)		X	
1	PULL BOX LIDS AND FRAMES	X		
1	PULL BOX CASTING		X	
4	PEDESTRIAN PUSHBUTTON	X		
4	SPAN MOUNTED SIGN	X		
LUMP	SIGNAL WIRES (LUMP SUM)		X	
8	FOUNDATIONS		X	
LUMP	SIGNAL CONDUIT (LUMP SUM)		X	
1	POLE MOUNTED CABINET AND CONTROLLER	X		
LUMP	SPAN WIRE (LUMP SUM)		X	
8	PEDESTRIAN SIGNAL HEAD	X		
8	VEHICULAR SIGNAL HEAD	X		
1	POWER SERVICE		X	
4	STRAIN POLES	X		
4	PEDESTALS	X		
1	LAYER 2 SWITCH			X
2	GBIC MODULES			X
1	TERMINATION PANEL			X
4	STREET NAME SIGN	X		



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CALCULATED  
 JSW  
 CHECKED  
 EMS

**TRAFFIC SIGNAL REMOVAL PLAN  
HUDSON ST AT MCGUFFEY RD**

**HUDSON ST**





**FIELD WIRING HOOK-UP CHART**

SIGNAL HEAD #	INDICATION	FIELD TERMINAL	FLASH
1, 2 (EB)	R	φ6 R	R
	Y	φ6 Y	
	G	φ6 G	
3, 4 (SB)	R	φ4 R	R
	Y	φ4 Y	
	G	φ4 G	
5, 6 (WB)	R	φ2 R	R
	Y	φ2 Y	
	G	φ2 G	
7, 8 (NB)	R	φ8 R	R
	Y	φ8 Y	
	G	φ8 G	
N (NORTH)	WALK	G (φ2)-W	OFF
	DON'T WALK	R (φ2)-DW	
W (WEST)	WALK	G (φ4)-W	OFF
	DON'T WALK	R (φ4)-DW	
S (SOUTH)	WALK	G (φ6)-W	OFF
	DON'T WALK	R (φ6)-DW	
E (EAST)	WALK	G (φ8)-W	OFF
	DON'T WALK	R (φ8)-DW	

**SIGNAL TIMING CHART**

PHASE	1	2	3	4	5	6	7	8
MOVEMENT		WB		SB		EB		NB
MIN INITIAL		20		15		20		15
WALK		7		7		7		7
PED CHG		8		7		12		6
PASS/ EXT		3.7		3.7		3.7		3.7
YELLOW		4.1		4.2		4.1		4.2
RED CLR		1		1		1		1
MAX GRN 1		40		25		40		25
MAX GRN 2		60		99		60		99
PED RECALL		ON		OFF		ON		OFF
VEH RECALL		MIN		OFF		MIN		OFF
MEMORY		ON		OFF		ON		OFF

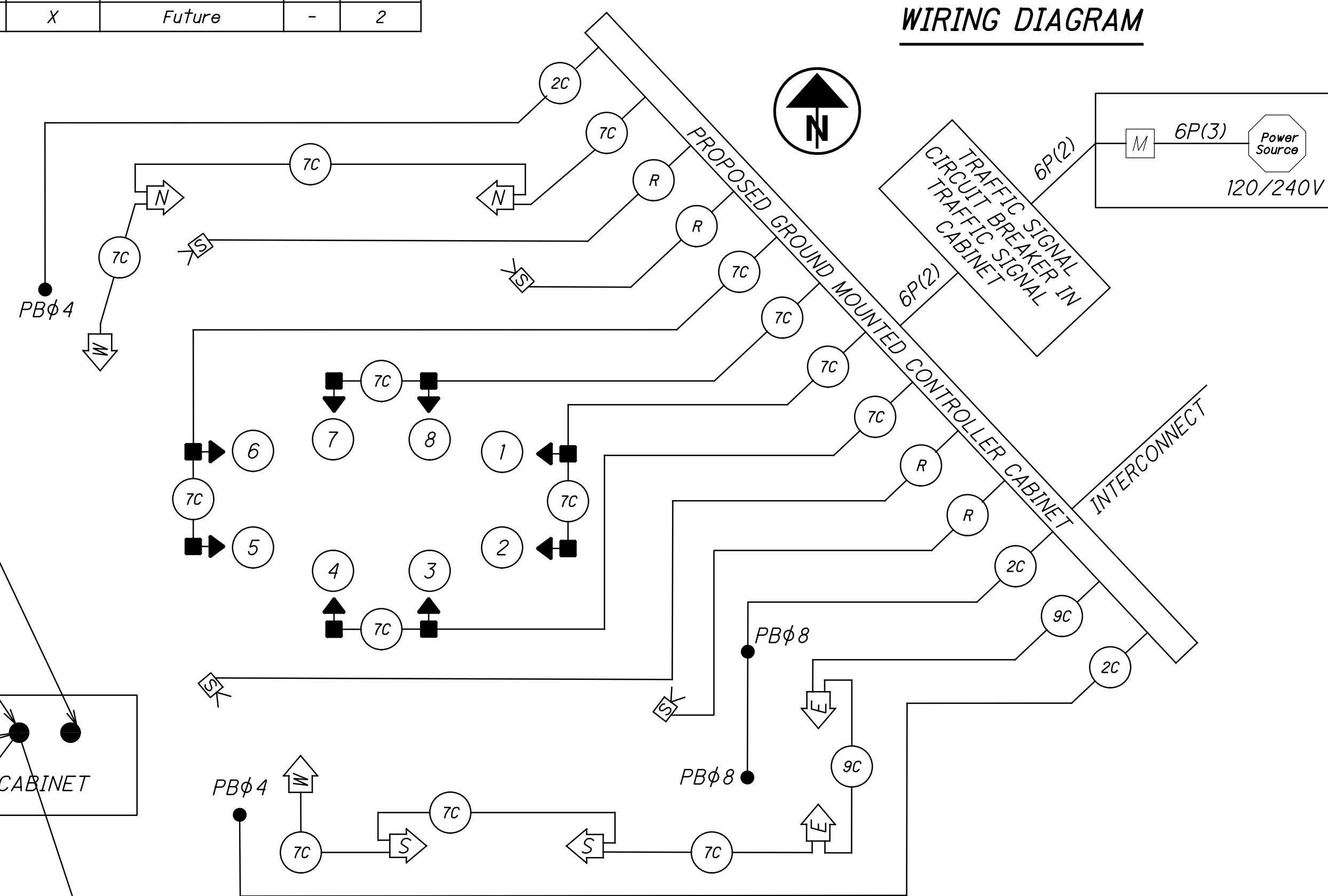
**RADAR DETECTION CHART**

DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	PURPOSE	DELAY DATA	
						DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z2A	2	φ2	5' X 5'	-	Call/Extend	--	2
Z8A	3	φ8	6' X 40'	X	Call/Extend	3	8
Z8B	3	φ8	6' X 40'	X	Call/Extend	5	8
Z6A	4	φ6	5' X 5'	-	Call/Extend	--	6
Z4A	1	φ4	6' X 40'	X	Call/Extend	3	4
Z4B	1	φ4	6' X 40'	X	Call/Extend	--	4
Z4C	1	φ4	6' X 40'	X	Call/Extend	12	4
Z6B	4	φ6	6' X 25'	X	Future	-	6
Z2B	2	φ2	6' X 25'	X	Future	-	2

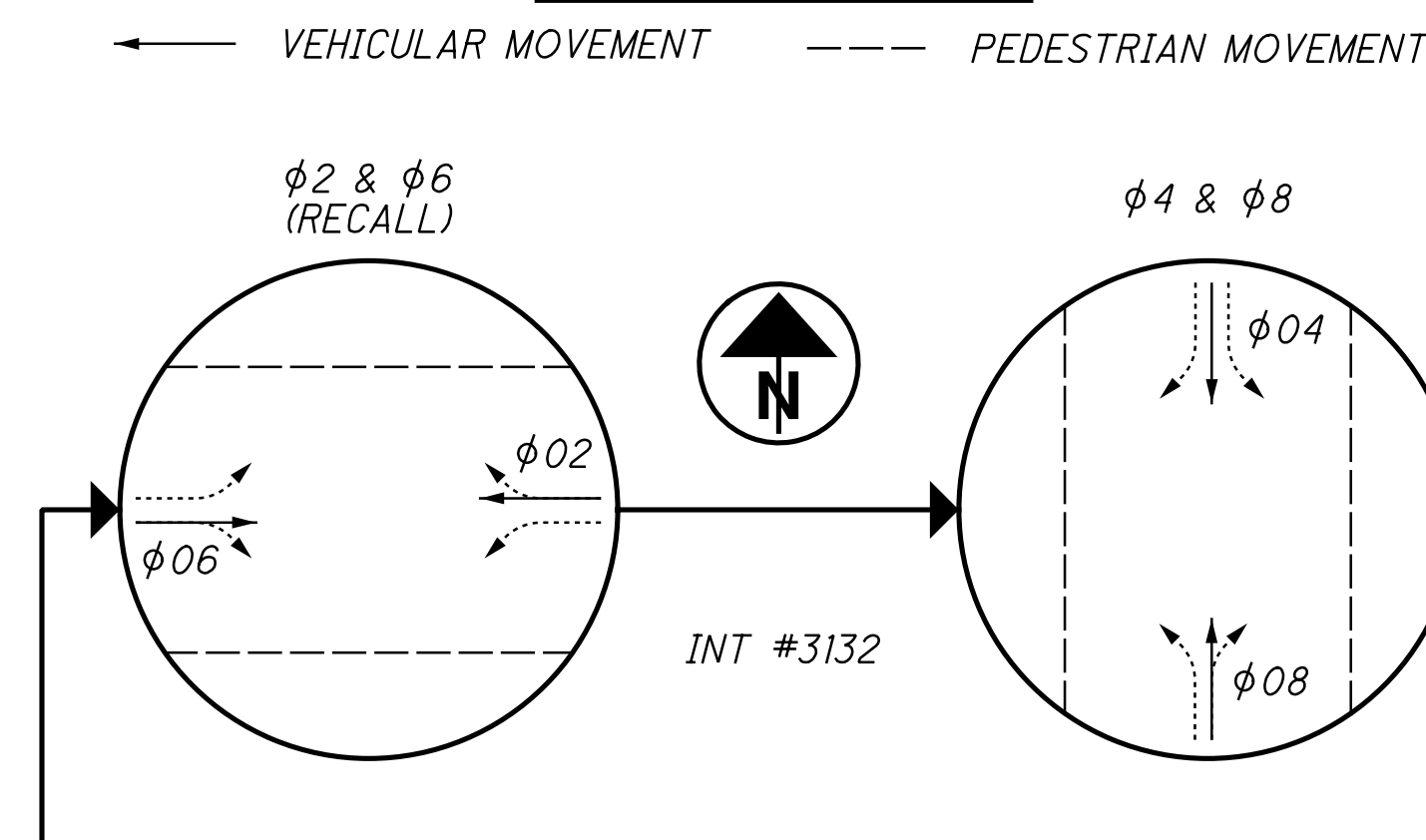
**WIRING DIAGRAM LEGEND**

- 3 SECTION VEHICULAR SIGNAL HEAD, 1-WAY
- 3 SECTION VEHICULAR SIGNAL HEAD, 1-WAY
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- STOP LINE RADAR UNIT
- POWER METER CABINET
- 6P(3) — 3/C #6 AWG (Service)
- 6P(2)— 2/C #6 AWG (Power)
- #C— SIGNAL CABLE, # OF CONDUCTORS
- POWER SOURCE

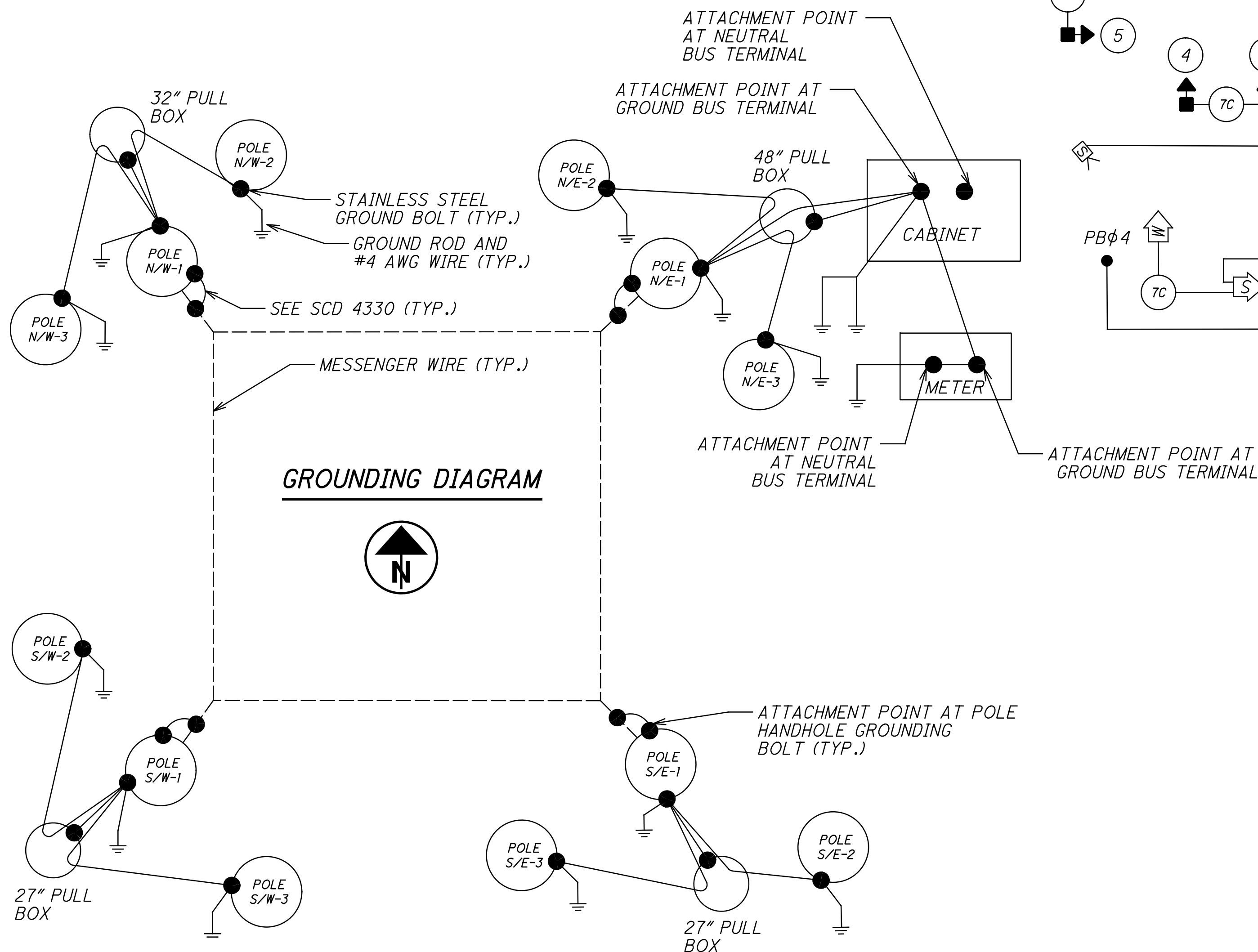
**WIRING DIAGRAM**



**PHASING DIAGRAM**



- NOTES:
- SET CONFLICT MONITOR FOR 10 SEC FLASH.
  - LOOP DETECTOR LEAD-IN CABLE SHALL BE USED FOR THE PEDESTRIAN PUSHBUTTONS. GROUND THE SHIELD ONLY AT THE CABINET.
  - SET ALL MAINLINE FAR (F) ZONE CHANNELS ON PRESENCE MODE. SET EXTENSION TIME TO 8 SECONDS ON ALL FAR (F) ZONE UNITS. SET ALL PRESENCE ZONE CHANNELS TO COUNT MODE. SET ALL 6'X6' ZONE CHANNELS TO PULSE MODE.
  - N/A
  - BACK PANEL WIRING (FRONT SIDE JUMPERS ONLY)
    - A) HARD WIRE "PED RECYCLE" TO GROUND.
    - A2) N/A
    - B) N/A
    - C) N/A
    - D) USE DIODES TO PREVENT FEEDBACK ON MULTI-USE TERMINALS.
    - E) N/A
    - F) N/A
    - G) N/A
    - H) N/A
  - CONTROLLER SOFTWARE PROGRAMMING
    - A) INITIALIZE IN φ2 & φ6 GREEN
    - B) ENABLE ACTUATED REST-IN-WALK. ACTIVATE PHASE φ2 & φ6.
    - C) ENABLE DUAL ENTRY. ACTIVATE φ4 & φ8.
    - D) ENABLE SIMULTANEOUS GAP OUT. ACTIVATE φ2, φ4, φ6 & φ8.
    - E) N/A
  - N/A
  - N/A
  - INTERCONNECT CABLE SHALL BE CONTINUOUSLY RUN BETWEEN CONTROLLER CABINETS. NO SPLICES ARE PERMITTED EXCEPT WHERE NOTED.



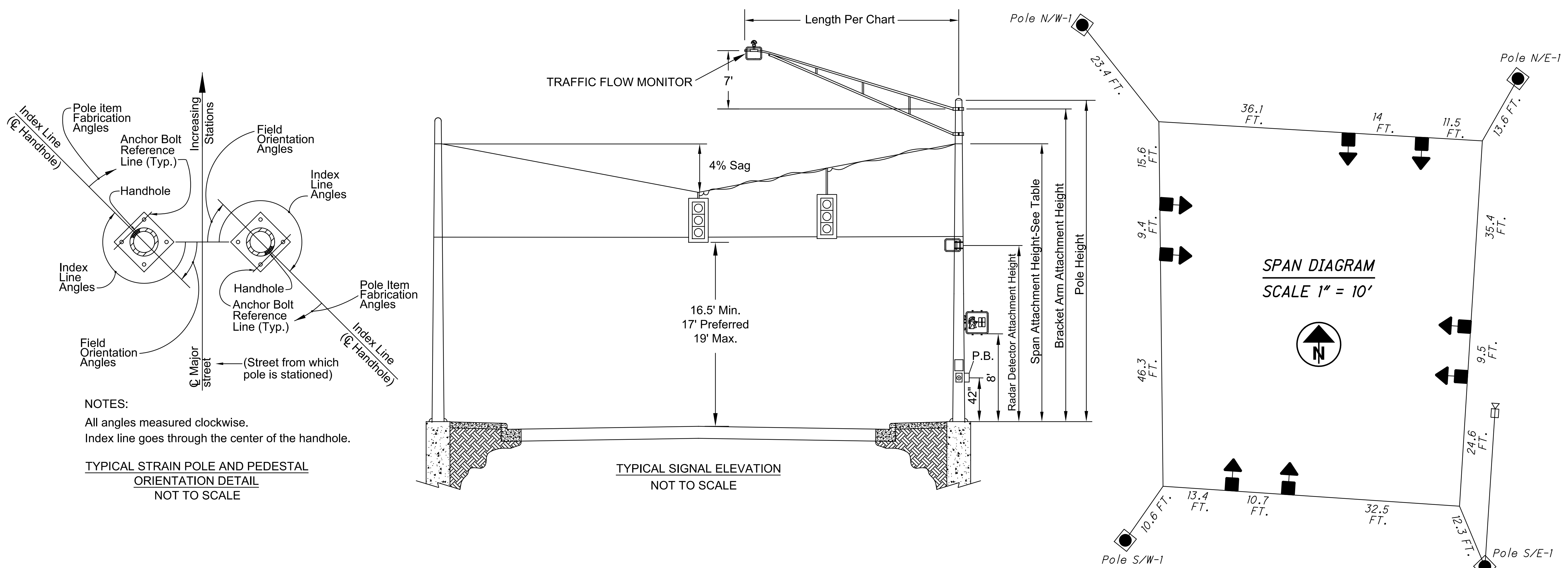
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CALCULATED  
 JSW  
 CHECKED  
 EMS

TRAFFIC SIGNAL PLAN DETAIL  
 MCGUFFEY RD AT HUDSON ST

HUDSON ST

INTERSECTION	SHEET NO.	POLE SIZES & SPAN ATTACHMENT HEIGHT					DETECTION BRACKET ARM			POLE FABRICATION DATA CLOCKWISE FROM HANDHOLE AT 0 DEGREES						FIELD ORIENTATION			
		POLE DESIGNATION	POLE COLOR/FEDERAL STANDARD 595B	POLE DESIGN NO.	POLE HT. (FT.)	SPAN ATTACHMENT HT. (FT.)	RADAR DETECTOR (FT)	ATTACHMENT HT. (FT.)	BRACKET ARM LENGTH (FT.)	BRACKET ARM	ANCHOR BOLT REF. LINE	2" BHC ANGLE-HT. DEG.-FT.	3" BHC ANGLE-HT. DEG.-FT.	PED. SIGNALS	PED. PUSH BUTTONS	STREET NAME SIGN	INDEX LINE ANGLE (HANDHOLE)	ANCHOR BOLT REF. LINE	CAPPED FOUNDATION COUDDUIT ELL 2" DIA.
		N/W-1	↑	10	31	27	-	-	-	90	180 - 28'	-	-	-	220	138	48	-	SEE SHEET 271
		N/W-2		PEDESTAL	10.7	-	-	-	-	90	-	-	160	-	-	207	117	-	SEE SHEET 271
		N/W-3		PEDESTAL	21	-	19	-	-	90	-	-	198	198	-	59	329	-	SEE SHEET 271
		S/W-1		10	29	26	19	-	-	90	180 - 27'	-	-	-	234	216	126	-	SEE SHEET 271
MCGUFFY RD		S/W-2		PEDESTAL	10.7	-	-	-	-	90	-	-	172	172	-	282	192	-	SEE SHEET 271
AT	432	S/W-3	SEMI-GLOSS BLACK #27038	PEDESTAL	10.7	-	-	-	-	90	-	-	190	-	-	156	66	-	SEE SHEET 271
HUDSON ST		S/E-1		12	32	25	-	31	30	205	90	180 - 26'	-	-	206	154	64	-	SEE SHEET 271
		S/E-2		PEDESTAL	21	-	19	-	-	90	-	-	190	190	-	67	337	-	SEE SHEET 271
		S/E-3		PEDESTAL	10.7	-	-	-	-	90	-	-	161	-	-	207	117	-	SEE SHEET 271
		N/E-1		12	29	26	19	-	-	90	-	180 - 27'	-	-	245	206	116	-	SEE SHEET 271
		N/E-2		PEDESTAL	10.7	-	-	-	-	90	-	-	195	-	-	154	64	-	SEE SHEET 271
		N/E-3	↓	PEDESTAL	10.7	-	-	-	-	90	-	-	150	150	-	295	205	-	SEE SHEET 271



NOTES:  
All angles measured clockwise.  
Index line goes through the center of the handhole.

TYPICAL STRAIN POLE AND PEDESTAL ORIENTATION DETAIL  
NOT TO SCALE

TYPICAL SIGNAL ELEVATION  
NOT TO SCALE

SPAN DIAGRAM  
SCALE 1" = 10'

NOTES:  
1. THE LOWEST SIGNAL HEAD HEIGHT IN EACH DIRECTION SHALL BE SET AT 16.5'. ADJUST THE SPAN ACCORDINGLY.

3575-E

LEGEND

- SIGNAL HEADS: PROP. VEHICULAR PROP. VEHICULAR PROP. PEDESTRIAN Ex. PEDESTRIAN
- SIGNAL POLES: PROP. ANCHOR/STRAIN POLE Ex. ANCHOR/STRAIN POLE   
 PROP. PEDESTAL Ex. PEDESTAL PUSHBUTTON   
 PROP. MESSENGER WIRE & TETHER
- CONTROLLERS & CABINETS: PROP. CABINET W/ PAD
- PULL BOXES: EX. PULL BOX PROP. PULL BOX
- DETECTION: STOP LINE RADAR DETECTION RADAR ZONE

NOTES:

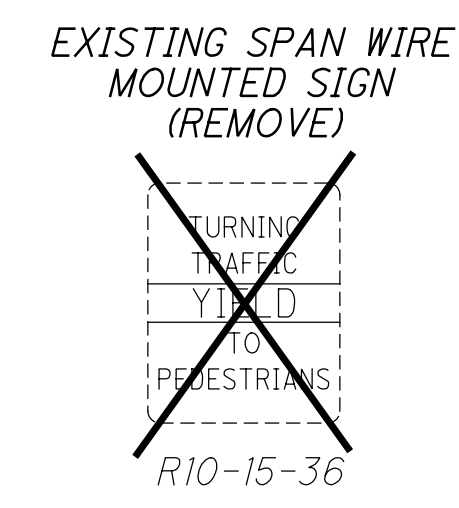
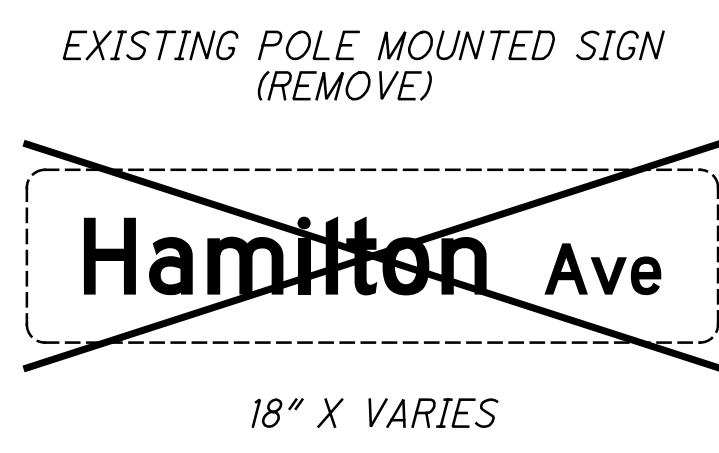
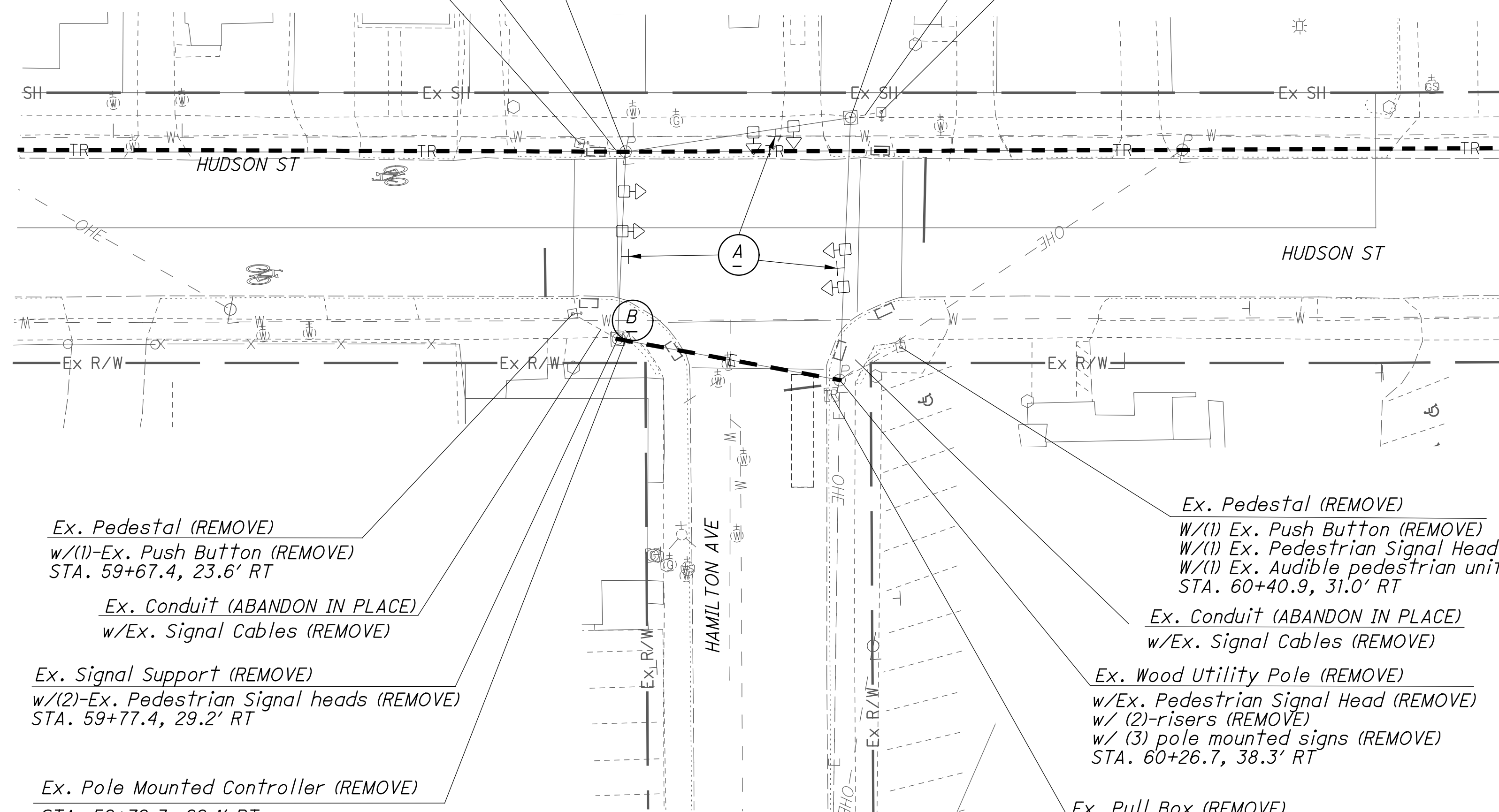
FULL EXTENT OF EXISTING TRAFFIC CONDUIT IS NOT SHOWN. EXISTING TRAFFIC CONDUIT SHALL BE REMOVED OR ABANDONED IN PLACE AS APPROPRIATE.

ITEM 632 REMOVAL OF TRAFFIC EXISTING SIGNAL INSTALLATION, AS PER PLAN			
QUANTITY	REMOVED ITEM DESCRIPTION	DELIVERED TO 1820 E. 17TH AVE.	DISPOSED OF BY PROJECT
1	PULL BOX (POLY-CONCRETE)		X
4	PEDESTIRAN PUSHBUTTON	X	
1	STREET NAME SIGN	X	
3	SPAN MOUNTED SIGN	X	
LUMP	SIGNAL WIRES (LUMP SUM)		X
6	POLE FOUNDATION		X
LUMP	SIGNAL CONDUIT (LUMP SUM)		X
10	POLE MOUNTED SIGN	X	
1	CONTROLLER	X	
LUMP	SPAN WIRE (LUMP SUM)		X
6	PEDESTRIAN SIGNAL HEAD	X	
2	AUDIBLE UNITS	X	
6	VEHICULAR SIGNAL HEAD	X	
1	POWER SERVICE		X
2	STRAIN POLE	X	
4	PEDESTRIAN PEDESTALS	X	
1	LAYER 2 SWITCH		X
2	GBIC MODULES		X
1	TERMINATION PANEL		X

Ex. Wood Utility Pole (REMOVE BY AEP)  
 w/Ex. (1) Pedestrian Signal Head (REMOVE)  
 w/ (2) pole mounted signs (REMOVE)  
 w/ (1) riser (REMOVE)  
 STA. 59+79.2, 12.4' LT

Ex. Conduit (ABANDON IN PLACE)  
 w/Ex. Signal Cables (REMOVE)

Ex. Pedestal (REMOVE)  
 w/(1)-Ex. Push Button (REMOVE)  
 STA. 59+68.9, 14.2' LT



CALCULATED JSW CHECKED EMS

0 20 40 HORIZONTAL SCALE IN FEET

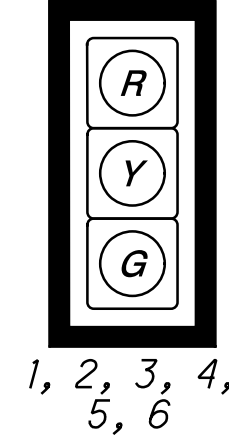
TRAFFIC SIGNAL REMOVAL PLAN  
 HAMILTON AVE AT HUDSON ST

TRAFFIC SIGNAL REMOVAL PLAN  
 HAMILTON AVE AT HUDSON ST

HUDSON ST

- LEGEND**
- SIGNAL HEADS: PROP. VEHICULAR PROP. PEDESTRIAN
- SIGNAL POLES: PROP. ANCHOR/STRAIN POLE PROP. PEDESTAL PUSHBUTTON
- CONTROLLERS & CABINETS: PROP. CABINET W/ PAD
- PULL BOXES: EX. PULL BOX PROP. PULL BOX
- DETECTION: STOP LINE RADAR DETECTION DILEMMA RADAR DETECTION RADAR ZONE

VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION (12" HEADS W/ BACKPLATES) PER CMSC 732

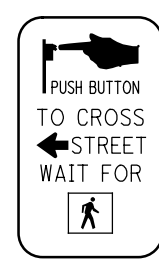


1, 2, 3, 4, 5, 6

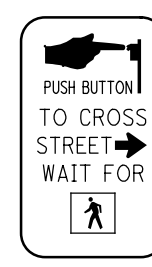
PEDESTRIAN SIGNAL HEAD CONFIGURATION



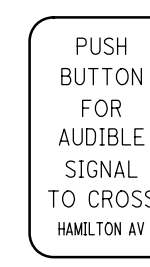
R10-4A-9 (L) 9"X15" R10-4A-9 (R) 9"X15" CM-R73C.03 9"X15"



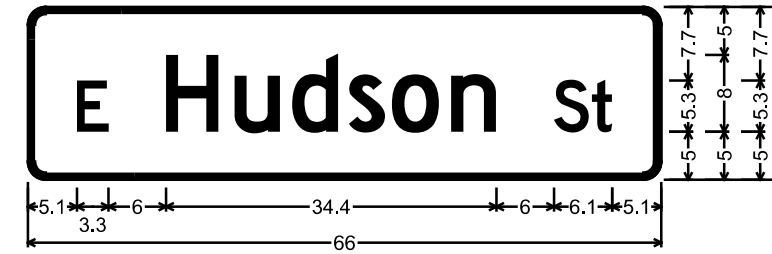
S/E-2 N/W-1



S/W-2 N/E-1



S/W-3 S/E-1



CANTILEVER POLE MTD. STREETNAME SIGN D3-1 18" X VARIES

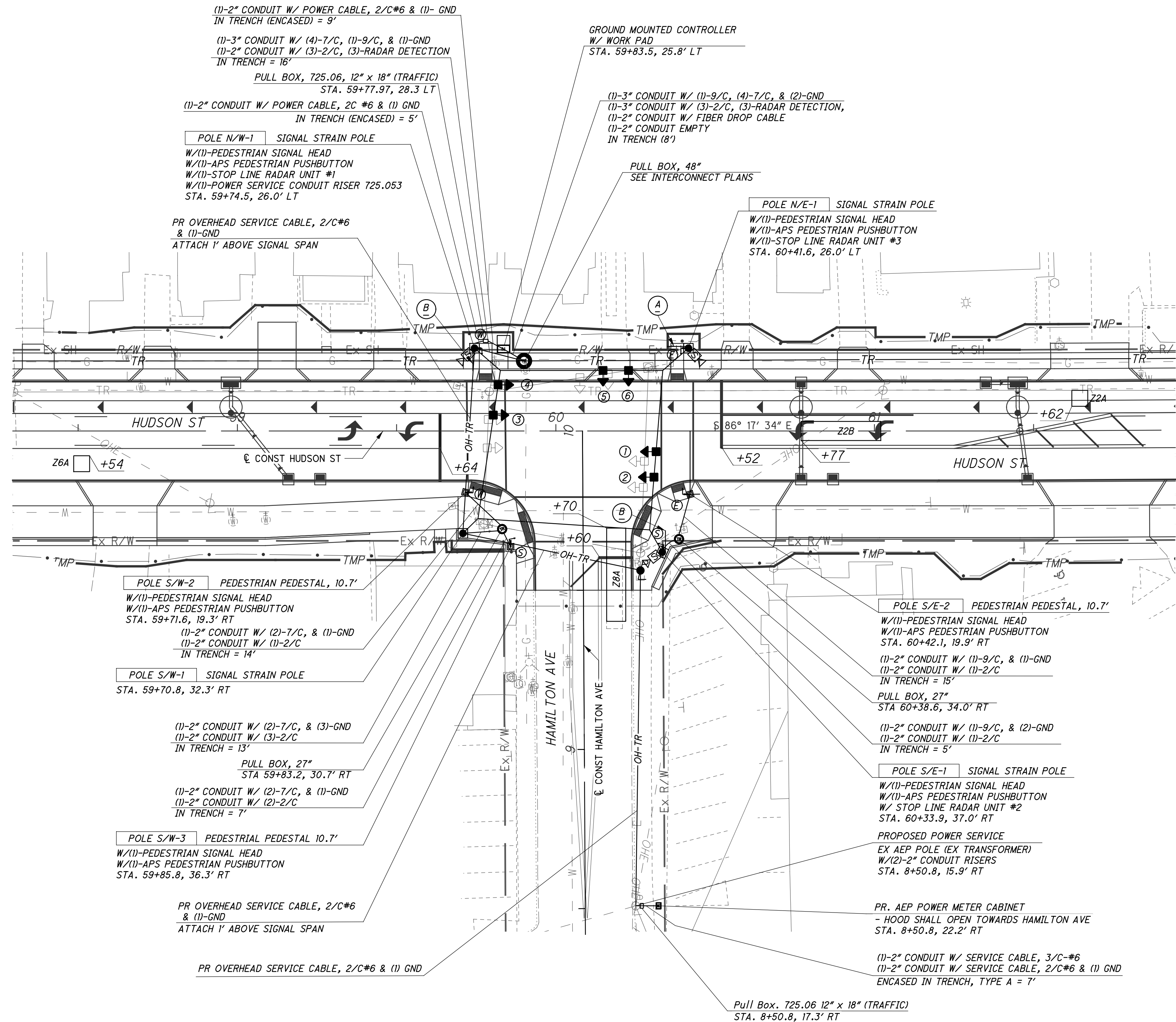
(A)



CANTILEVER POLE MTD. STREETNAME SIGN D3-1 18" X VARIES

(B)

- NOTES:**
- THE CONTRACTOR SHALL ENSURE THAT ALL PROPOSED SIDEWALKS/ PATHWAYS MEET ADA GUIDELINES PER CITY SPECIFICATIONS.
  - THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING SIDEWALKS/ PATHWAYS WITHIN THE PROJECT WORK LIMITS MEET ADA GUIDELINES PER CITY SPECIFICATIONS.
  - ALL CABLES, UNLESS SPECIFIED IN THE PLANS, ARE TO BE ROUTED INSIDE THE ANCHOR BASE SIGNAL SUPPORT POLE OR PEDESTAL. CABLES NOT SERVING A GIVEN POLE OR PEDESTAL SHALL NOT BE ROUTED THROUGH THE POLE.
  - POWER, SERVICE AND INTERCONNECT CABLE SHALL BE CONTINUOUS WITH NO SPLICES, EXCEPT AS NOTED.
  - FOR SIGNING AND PAVEMENT MARKINGS, SEE SHEETS 394-419.
  - N/A
  - FOR POLE BASE FOUNDATIONS NOT WITHIN SIDEWALK AREA, THE TOP OF THE POLE BASE FOUNDATION SHALL BE EDGED USING A 1/2" SIDEWALK EDGER INSTEAD OF BEING CHAMFERED.
  - THE CITY OF COLUMBUS SHALL APPROVE BOLT ALIGNMENT, POLE/PEDESTAL FOUNDATION LOCATION, AND ELEVATION PRIOR TO THE CONTRACTOR INSTALLING THE FOUNDATION.
  - TAGGING OF CABLE IN THE PULL BOX IMMEDIATELY ADJACENT TO THE CONTROL CABINET IS NOT REQUIRED EXCEPT FOR TAGGING OF CERTAIN CABLE AS DIRECTED BY THE PROJECT ENGINEER, OR AS PER PLAN.
  - DO NOT ENCASE THE GROUND ROD, THE GROUNDING WIRE, OR THE EMT CONDUIT ENDS IN CONCRETE THAT FALL OUTSIDE OF THE FOUNDATION. FULL ACCESS TO THESE ITEMS MUST BE MAINTAINED AT ALL TIMES. PERMANENTLY MARK THE TOP OF FOUNDATION CONCRETE, WITH A MARKER OR SYMBOL SO THE ROD LOCATION CAN BE IDENTIFIED BY OTHERS.
  - ANY SIGNAL POLE BASE FOUNDATION ADJACENT TO A SIDEWALK AREA SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK UNLESS OTHERWISE STATED. SIGNAL POLE FOUNDATIONS WITHIN SIDEWALK AREA SHALL BE PER STD DWG 4161.
  - THE CONTRACTOR SHALL NOT INSTALL POLE FOUNDATIONS UNTIL THE POLE LOCATION AREA IS AT FINISHED GRADE.
  - UNDERGROUND CONDUIT AND TRENCH THAT ARE UNDER PROPOSED SIDEWALK OR ROADWAY AREAS SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF SIDEWALKS OR ANY ASPHALT OR CONCRETE ROADWAY COURSE.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL POWER CABLE/CONDUIT FROM THE TRAFFIC SIGNAL CONTROLLER CABINET, THROUGH THE POWER METER CABINET (WHEN APPLICABLE), AND TO THE POWER WOOD POLE AT STA. 60+32.2, 149.1' RT. COIL ENOUGH CABLE AT THE BOTTOM OF THE POWER POLE TO REACH THE POWER HOOK-UP POINT ON THE POLE.
  - N/A
  - SEE INTERCONNECT SCHEMATIC SHEETS 451 FOR INTERCONNECT ITEMS.
  - N/A
  - THE CONTROL CABINET DOOR SHALL BE LOCATED ON THE NORTH SIDE OF THE CABINET.
  - N/A
  - USE A SEPARATE CONDUIT FOR EACH GROUPING OF CABLES UNLESS OTHERWISE INDICATED: ONE CONDUIT FOR SIGNAL CABLE (3/C, 7/C, 9/C); ONE CONDUIT FOR POWER; ONE CONDUIT FOR 2 CONDUCTOR CABLE (LOOP & PUSHBUTTON); AND ONE CONDUIT FOR INTERCONNECT/COMMUNICATIONS CABLE (TWISTED PAIR, FIBER OPTICS OR COAX). ANY OTHER LOW VOLTAGE CABLE NOT SPECIFIED ABOVE CAN BE PLACED IN THE 2 CONDUCTOR CABLE CONDUIT. POWER CABLE MUST BE PLACED IN ITS OWN CONDUIT.
  - UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY. A PREFORMED PVC CONDUIT ELBOW SHALL BE USED TO CHANGE THE PVC CONDUIT DIRECTION BEYOND WHAT ITS NATURAL BENDING FLEX WOULD YIELD. RIGID METAL CONDUIT CAN BE BENT TO FORM AN ELBOW OR ANY OTHER BENDING ANGLE REQUIRED ONLY IF A PROPER CONDUIT BENDING MACHINE IS USED. THE ELBOW RADIUS FOR ANY NON-INTERCONNECT CONDUIT SHALL BE 24" OR LARGER WHEN USED IN A HORIZONTAL OR VERTICAL MANNER. ANY TYPE OF ELBOW USED FOR INTERCONNECT CONDUIT SHALL HAVE A RADIUS OF 36" OR LARGER WHEN USED IN A HORIZONTAL DIRECTION OR IN A VERTICAL DIRECTION WHEN THE TRENCH IS 36" OR DEEPER. IF THE TRENCH IS LESS THAN 36" THEN THE VERTICAL ELBOW RADIUS SHALL BE 24".
  - ALL CLAMPS AND BANDING MATERIAL SHALL BE PAINTED TO MATCH THE SIGNAL SUPPORTS.
  - N/A
  - N/A



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TRAFFIC SIGNAL INSTALLATION PLAN  
HAMILTON AVE AT HUDSON ST

HUDSON ST

436  
535

3575-E

**FIELD WIRING HOOK-UP CHART**

SIGNAL HEAD #	INDICATION	FIELD TERMINAL	FLASH
1, 2 (EB)	R	φ6 R	R
	Y	φ6 Y	
	G	φ6 G	
3, 4 (WB)	R	φ2 R	R
	Y	φ2 Y	
	G	φ2 G	
5, 6 (NB)	R	φ4 R	R
	Y	φ4 Y	
	G	φ4 G	
S (SOUTH)	WALK	G (φ6)-W	OFF
	DON'T WALK	R (φ6)-DW	
E (EAST)	WALK	G (φ8)-W	OFF
	DON'T WALK	R (φ8)-DW	
W (WEST)	WALK	G (φ8)-W	OFF
	DON'T WALK	R (φ8)-DW	

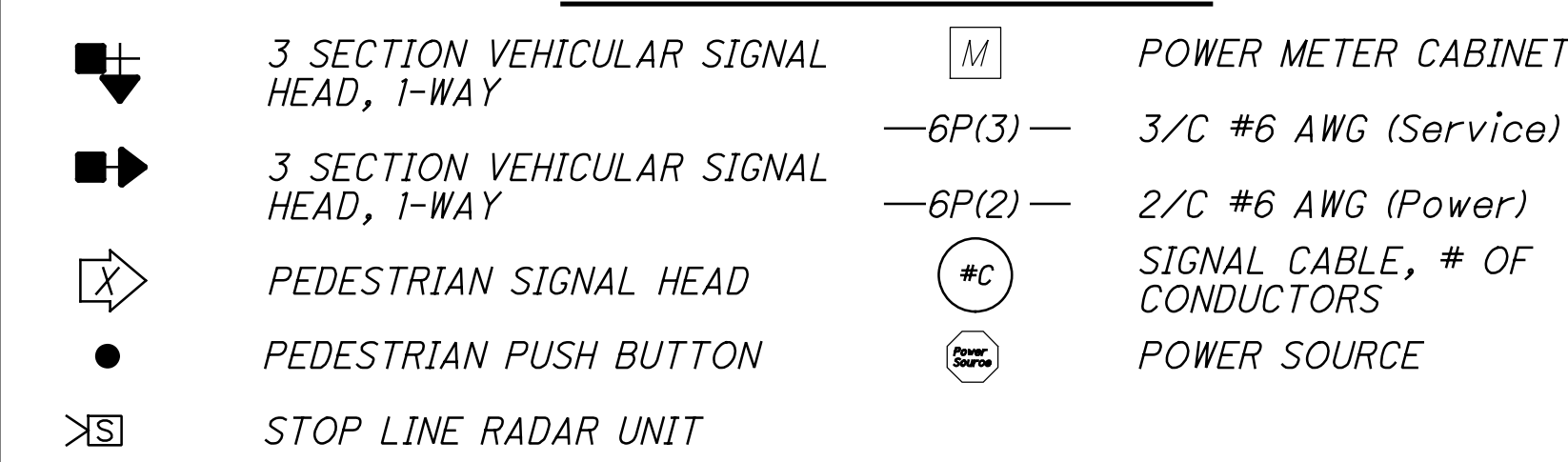
**SIGNAL TIMING CHART**

PHASE	1	2	3	4	5	6	7	8
MOVEMENT		WB				EB		NB
MIN INITIAL		25				25		10
WALK		-				10		10
PED CHG		-				5		5
PASS/ EXT		3.7				3.7		3.7
YELLOW		4.1				4.1		3.4
RED CLR		1				1		1
MAX GRN 1		60				60		20
MAX GRN 2		60				60		99
PED RECALL		OFF				ON		OFF
VEH RECALL		MIN				MIN		OFF
MEMORY		ON				ON		OFF

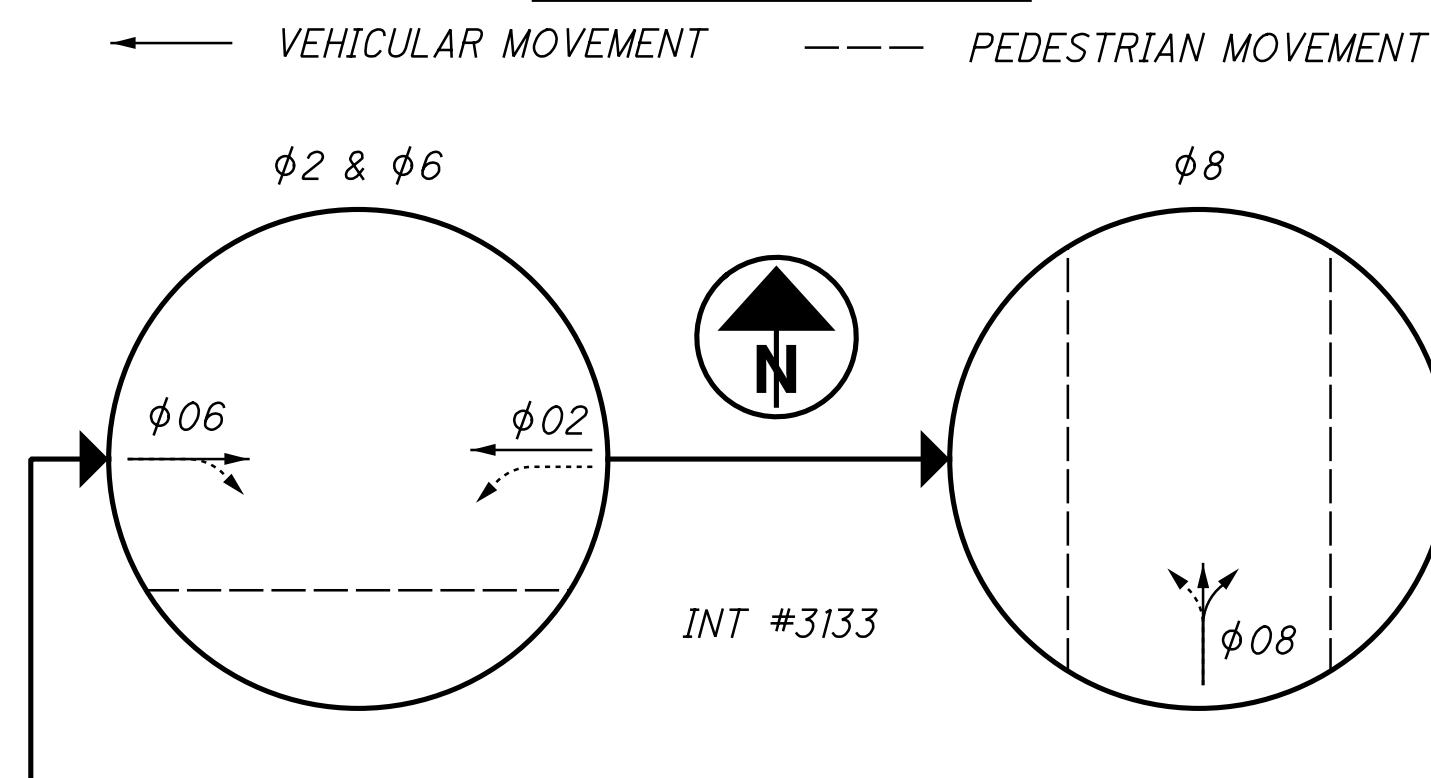
**RADAR DETECTION CHART**

DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	PURPOSE	DELAY DATA	
						DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z2A	3	φ2	5'X5'	-	Call/Extend	0	φ2
Z6A	1	φ6	5'X5'	-	Call/Extend	0	φ6
Z8A	2	φ8	5'X29'	X	Call/Extend	5	φ8
Z2B	3	φ2	5' X25'	X	Future	-	φ2

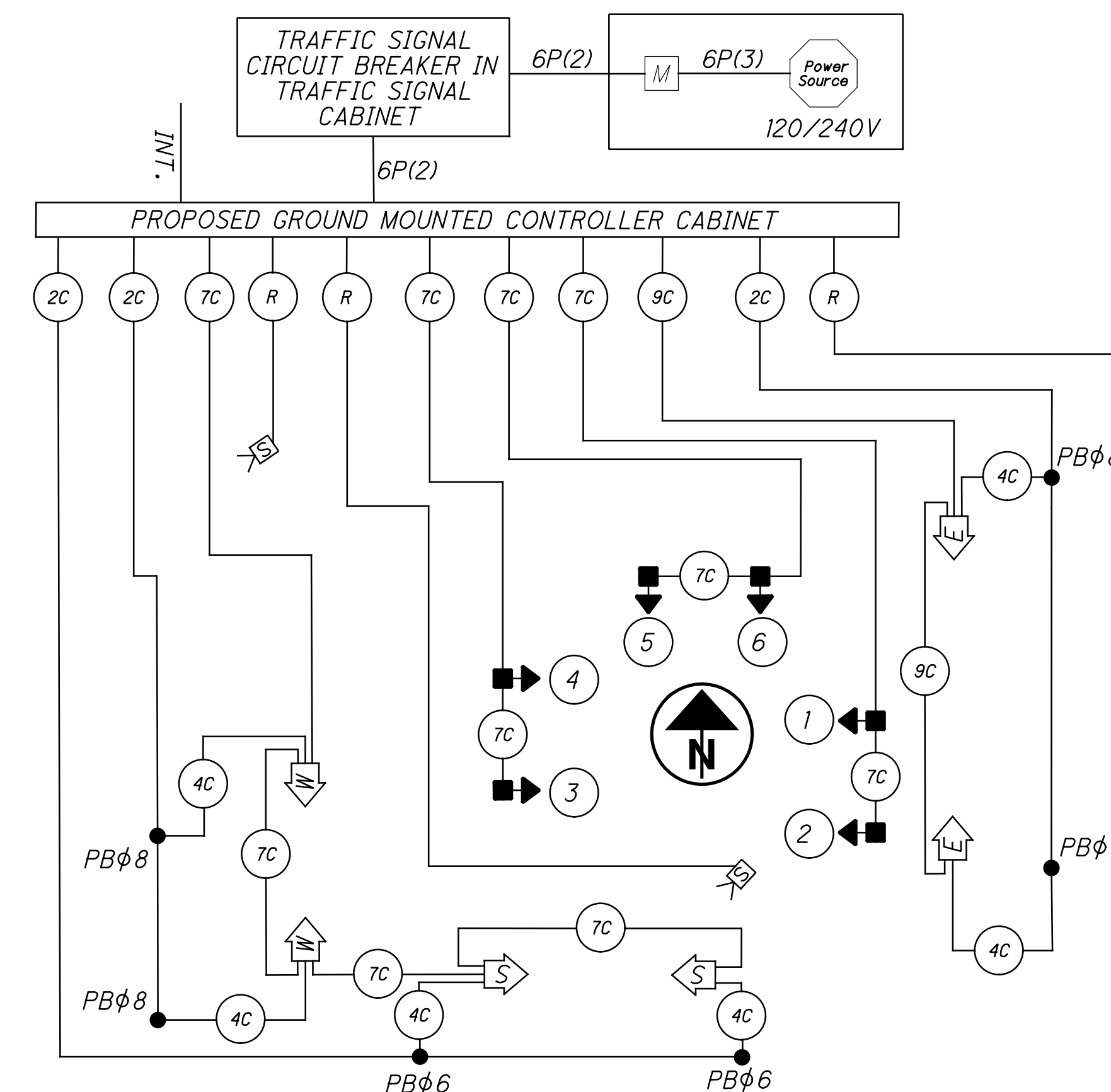
**WIRING DIAGRAM LEGEND**



**PHASING DIAGRAM**

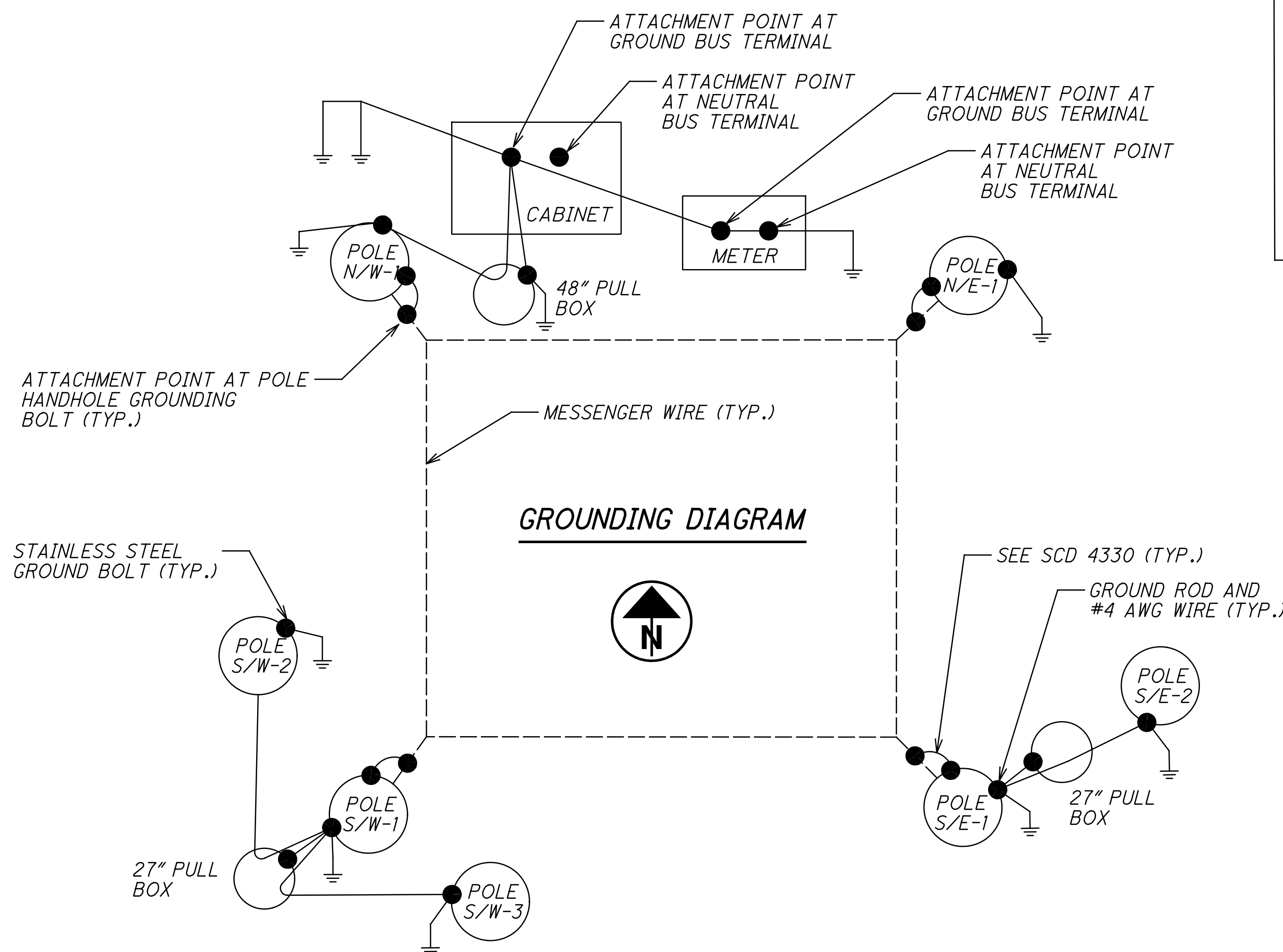


**WIRING DIAGRAM**



- NOTES:**
- SET CONFLICT MONITOR FOR 10 SEC FLASH.
  - LOOP DETECTOR LEAD-IN CABLE SHALL BE USED FOR THE PEDESTRIAN PUSHBUTTONS. GROUND THE SHIELD ONLY AT THE CABINET.
  - SET ALL MAINLINE FAR (F) ZONE CHANNELS ON PRESENCE MODE. SET EXTENSION TIME TO 8 SECONDS ON ALL FAR (F) ZONE UNITS. SET ALL PRESENCE ZONE CHANNELS TO COUNT MODE. SET ALL 6'X6' ZONE CHANNELS TO PULSE MODE.
  - N/A
  - BACK PANEL WIRING (FRONT SIDE JUMPERS ONLY)
    - A) HARD WIRE 'PED RECYCLE' TO GROUND.
    - A2) N/A
    - B) N/A
    - C) N/A
    - D) USE DIODES TO PREVENT FEEDBACK ON MULTI-USE TERMINALS.
    - E) N/A
    - F) N/A
    - G) N/A
    - H) N/A
  - CONTROLLER SOFTWARE PROGRAMMING
    - A) INITIALIZE IN φ2 & φ6 GREEN
    - B) ENABLE ACTUATED REST-IN-WALK. ACTIVATE PHASE φ2 & φ6.
    - C) N/A
    - D) ENABLE SIMULTANEOUS GAP OUT. ACTIVATE φ2, φ6 & φ8.
  - N/A
  - N/A
  - N/A
  - INTERCONNECT CABLE SHALL BE CONTINUOUSLY RUN BETWEEN CONTROLLER CABINETS. NO SPLICES ARE PERMITTED EXCEPT WHERE NOTED.

**GROUNDING DIAGRAM**



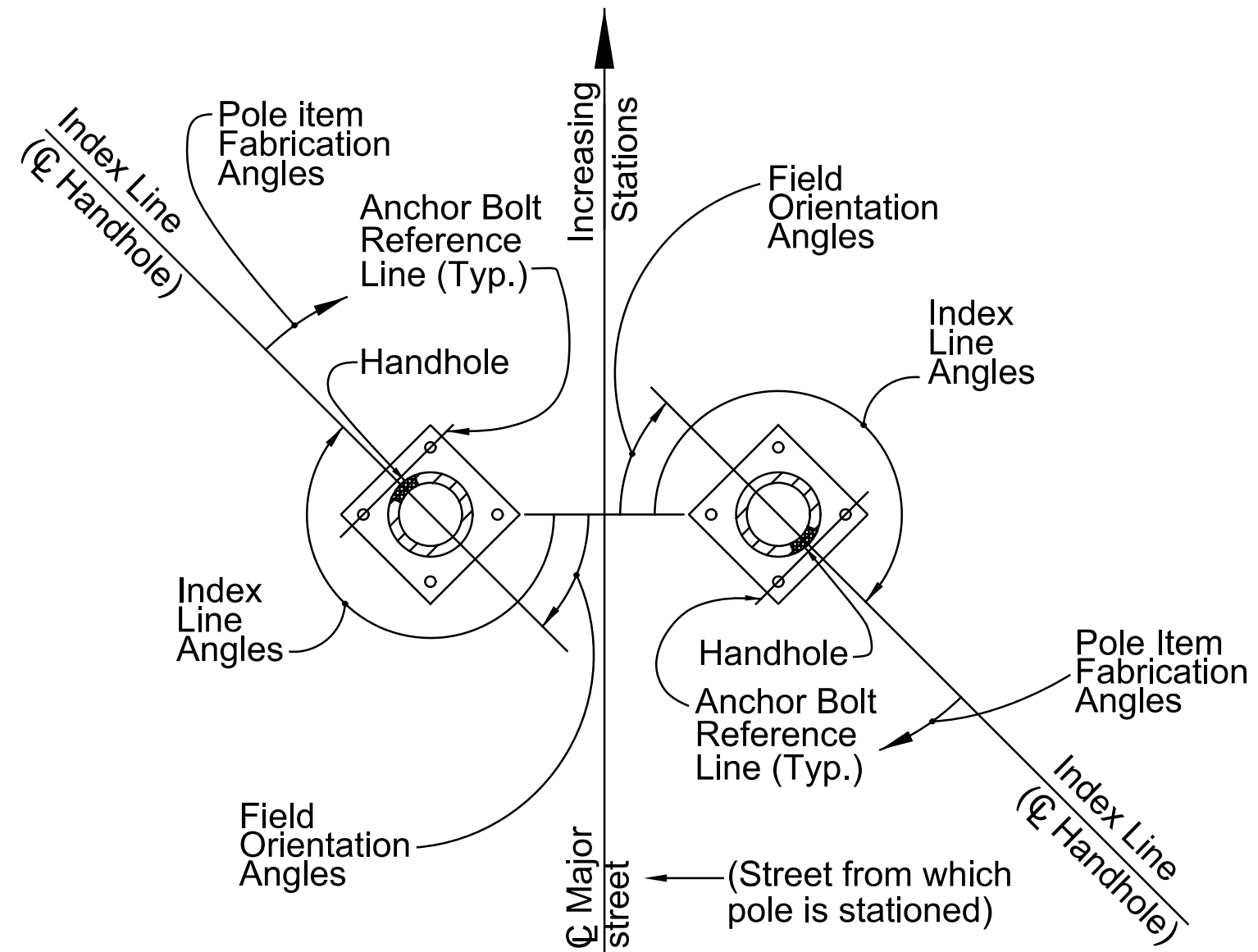
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CALCULATED  
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TRAFFIC SIGNAL PLAN DETAIL  
 HAMILTON AVE AT HUDSON ST

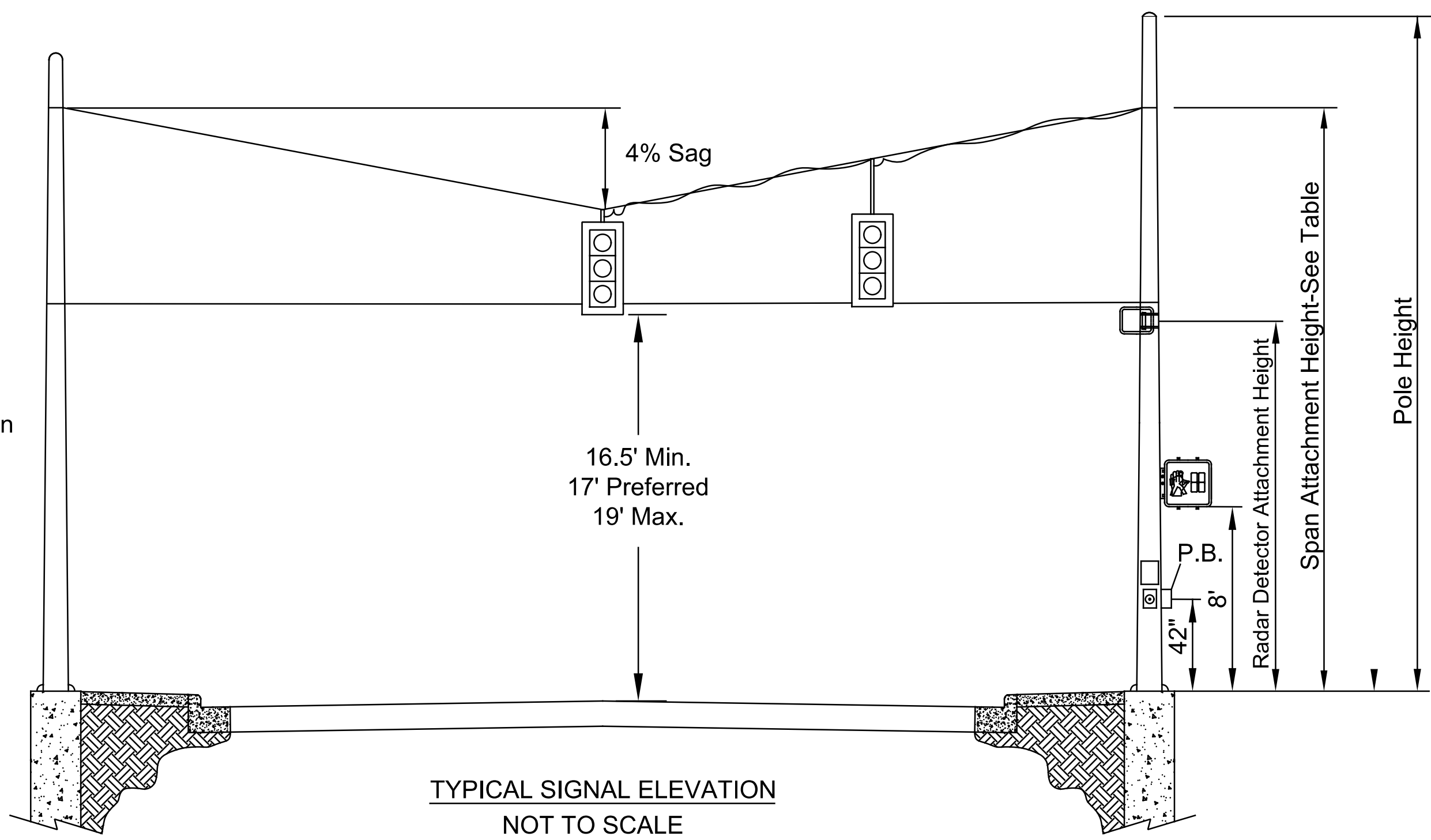
HUDSON ST

INTERSECTION	SHEET NO.	POLE SIZES & SPAN ATTACHMENT HEIGHT						POLE FABRICATION DATA CLOCKWISE FROM HANDHOLE AT 0 DEGREES						FIELD ORIENTATION				
		POLE DESIGNATION	POLE COLOR/FEDERAL STANDARD 595B	POLE DESIGN NO.	POLE HT. (FT.)	SPAN ATTACHMENT HT. (FT.)	POWER SERVICE SPAN ATTACHMENT HEIGHT (FT)	RADAR DETECTOR (FT)	ANCHOR BOLT REF. LINE	2" BHC ANGLE-HT. DEG.-FT.	3" BHC ANGLE-HT. DEG.-FT.	PED. SIGNALS	PED. PUSH BUTTONS	STREET NAME SIGN	INDEX LINE ANGLE (HANDHOLE)	ANCHOR BOLT REF. LINE	CAPPED FOUNDATION CONDUIT ELL 2-2" DIA.	FOUNDATION ELEVATION
		N/W-1		7	29	26	28	19	90	-	180 - 27'	139	139	229	131	221	-	SEE SHEET 273
		S/W-1		7	27	25	-	19	90	90 - 26'	-	-	-	-	315	45	-	SEE SHEET 273
HAMILTON AVE		S/W-2		PEDESTAL	10.7	-	-	-	90	-	-	169	165	-	285	195	-	SEE SHEET 273
AT	436	S/W-3	SEMI-GLOSS BLACK #27038	PEDESTAL	10.7	-	-	-	90	-	-	259	270	-	90	180	-	SEE SHEET 273
HUDSON ST		S/E-1		7	28	25	-	-	90	180 - 26'	-	222	210	210	150	60	-	SEE SHEET 273
		S/E-2		PEDESTAL	10.7	-	-	-	90	-	-	196	196	-	74	164	-	SEE SHEET 273
		N/E-1		8	28	25	-	19	90	180 - 26'	-	221	221	221	229	319	0	SEE SHEET 273

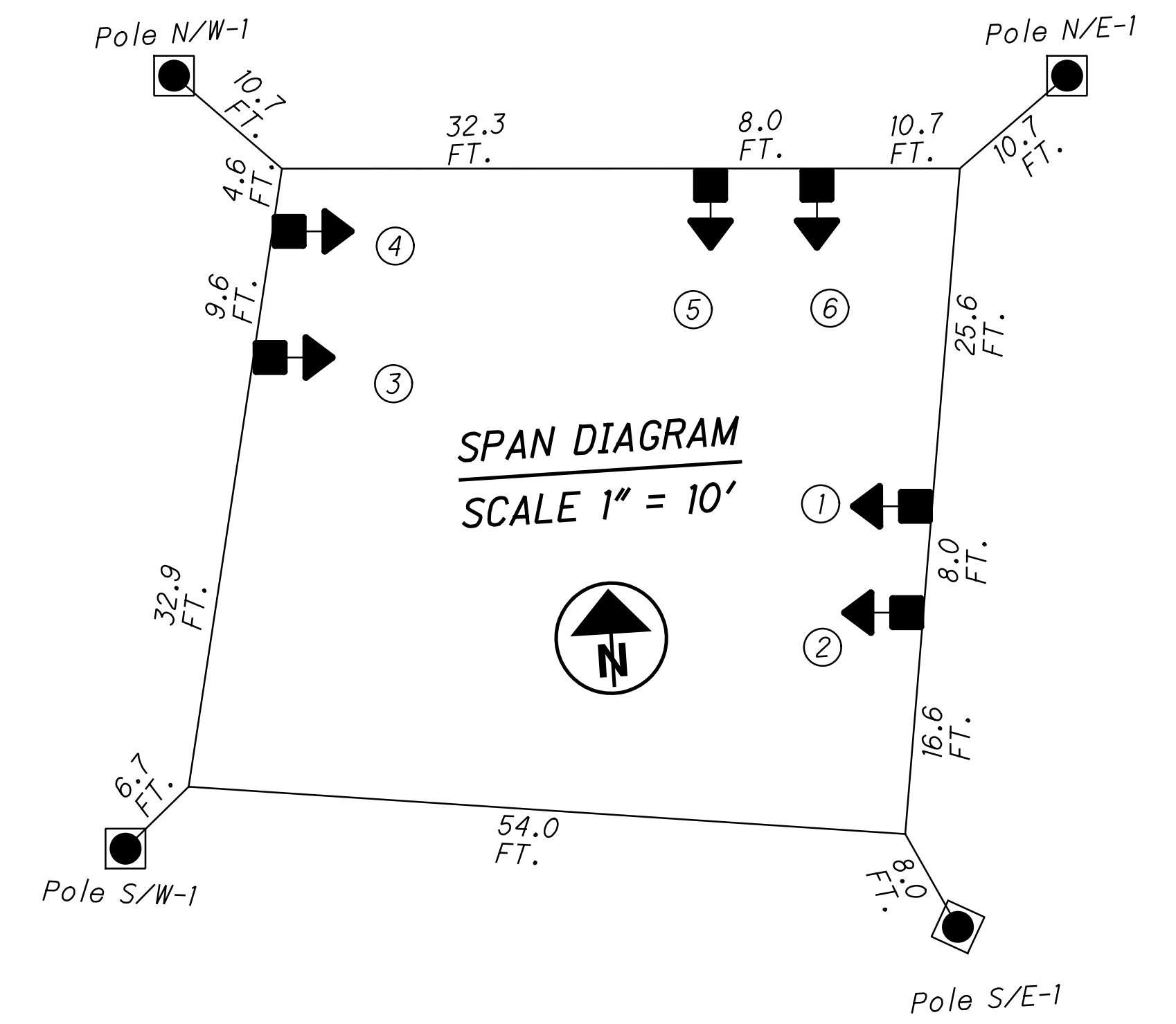


NOTES:  
All angles measured clockwise.  
Index line goes through the center of the handhole.

TYPICAL STRAIN POLE AND PEDESTAL ORIENTATION DETAIL  
NOT TO SCALE



TYPICAL SIGNAL ELEVATION  
NOT TO SCALE



NOTES:  
1. THE LOWEST SIGNAL HEAD HEIGHT IN EACH DIRECTION SHALL BE SET AT 16.5'. ADJUST THE SPAN ACCORDINGLY.

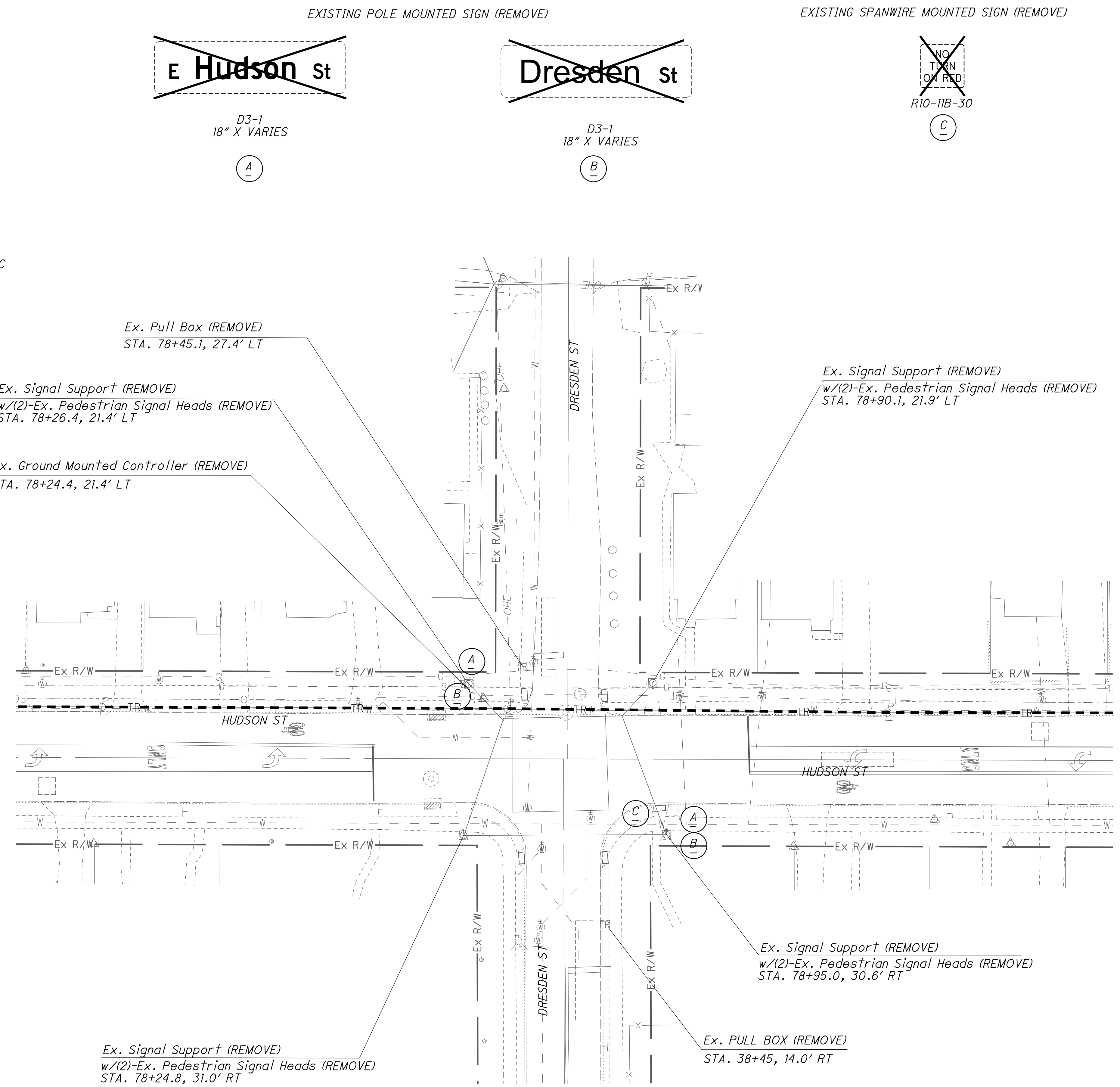
LEGEND

- SIGNAL HEADS: PROP. VEHICULAR PROP. VEHICULAR PROP. PEDESTRIAN Ex. PEDESTRIAN
- SIGNAL POLES: PROP. ANCHOR/STRAIN POLE Ex. ANCHOR/STRAIN POLE   
 PROP. PEDESTAL Ex. PEDESTAL PUSHBUTTON   
 PROP. MESSENGER WIRE & TETHER
- CONTROLLERS & CABINETS: PROP. CABINET W/ PAD
- PULL BOXES: EX. PULL BOX PROP. PULL BOX
- DETECTION: STOP LINE RADAR DETECTION RADAR ZONE Z1

NOTES:

FULL EXTENT OF EXISTING TRAFFIC CONDUIT IS NOT SHOWN. EXISTING TRAFFIC CONDUIT SHALL BE REMOVED OR ABANDONED IN PLACE AS APPROPRIATE.

ITEM 632 REMOVAL OF TRAFFIC EXISTING SIGNAL INSTALLATION, AS PER PLAN				
QUANTITY	REMOVED ITEM DESCRIPTION	DELIVERED TO 1820 E. 17TH AVE.	DISPOSED OF BY PROJECT	RELOCATE TO NEW CABINET
2	PULL BOX (POLY-CONCRETE)		X	
4	PEDESTRIAN PUSHBUTTON	X		
4	STREET NAME SIGN	X		
1	SPAN MOUNTED SIGN	X		
LUMP	SIGNAL WIRES (LUMP SUM)		X	
4	POLE FOUNDATION		X	
LUMP	SIGNAL CONDUIT (LUMP SUM)		X	
1	CONTROLLER	X		
LUMP	SPAN WIRE (LUMP SUM)		X	
8	PEDESTRIAN SIGNAL HEAD	X		
8	VEHICULAR SIGNAL HEAD	X		
1	POWER SERVICE		X	
4	STRAIN POLE	X		



EXISTING POLE MOUNTED SIGN (REMOVE)

EXISTING SPANWIRE MOUNTED SIGN (REMOVE)

~~E Hudson St~~

~~Dresden St~~

~~NO TURN ON RED~~  
R10-11B-30

D3-1  
18" X VARIES

D3-1  
18" X VARIES

(A)

(B)

(C)

CALCULATED  
JSW  
CHECKED  
EMS

0 20 40  
HORIZONTAL SCALE IN FEET

TRAFFIC SIGNAL REMOVAL PLAN  
DRESDEN ST AT HUDSON ST

HUDSON ST

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**FIELD WIRING HOOK-UP CHART**

SIGNAL HEAD #	INDICATION	FIELD TERMINAL	FLASH
1, 2 (EB)	R	φ6 R	R
	Y	φ6 Y	
	G	φ6 G	
3, 4 (SB)	R	φ4 R	R
	Y	φ4 Y	
	G	φ4 G	
5 (WBLT)	R	φ2 R	R
	Y	φ2 Y	
	G	φ2 G	
	←-Y---	φ5 Y	
	←-G---	φ5 G	
6 (WB)	R	φ2 R	R
	Y	φ2 Y	
	G	φ2 G	
7, 8 (NB)	R	φ8 R	R
	Y	φ8 Y	
	G	φ8 G	
N (NORTH)	WALK	G (φ2)-W	OFF
	DON'T WALK	R (φ2)-DW	
W (WEST)	WALK	G (φ4)-W	OFF
	DON'T WALK	R (φ4)-DW	
S (SOUTH)	WALK	G (φ6)-W	OFF
	DON'T WALK	R (φ6)-DW	
E (EAST)	WALK	G (φ8)-W	OFF
	DON'T WALK	R (φ8)-DW	

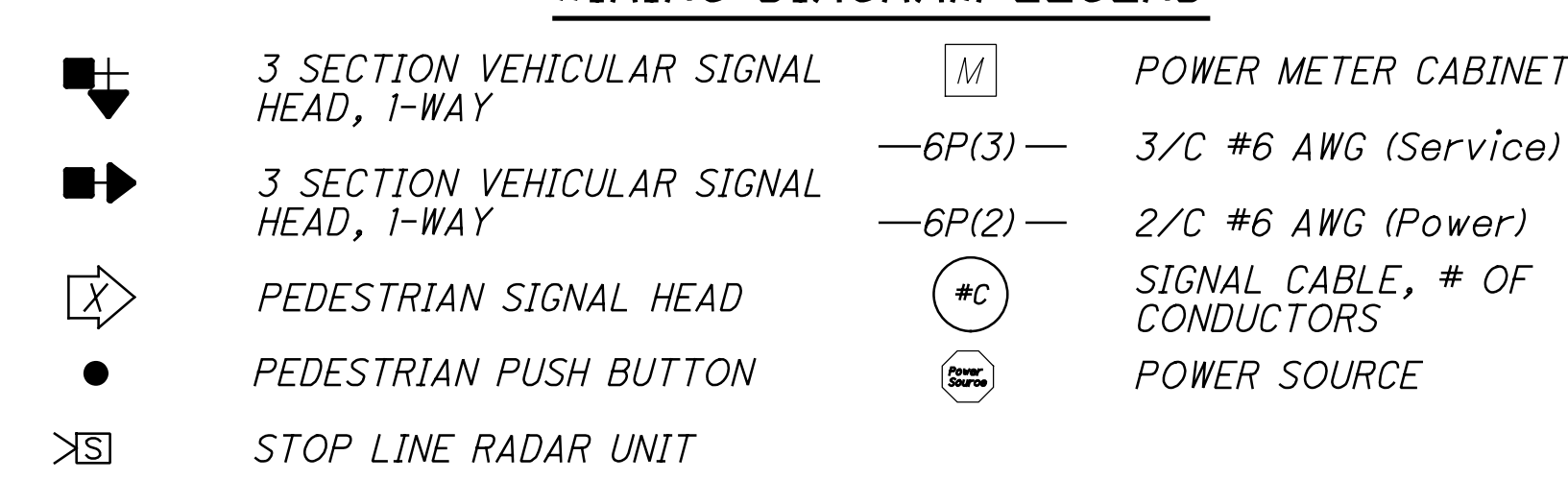
**SIGNAL TIMING CHART**

PHASE	1	2	3	4	5	6	7	8
MOVEMENT		WB		SB	WBLT	EB		NB
MIN INITIAL		20		10	10	20		10
WALK		7		7		7		7
PED CHG		3		5		4		5
PASS/ EXT		3.7		3.7	3.7	3.7		3.7
YELLOW		4.1		3.5	3.2	4.1		3.5
RED CLR		1		1.4	1.5	1		1.4
MAX GRN 1		45		25	20	45		25
MAX GRN 2		45		99	99	45		99
PED RECALL		ON		OFF	OFF	ON		OFF
VEH RECALL		MIN		OFF	OFF	MIN		OFF
MEMORY		ON		OFF	OFF	ON		OFF

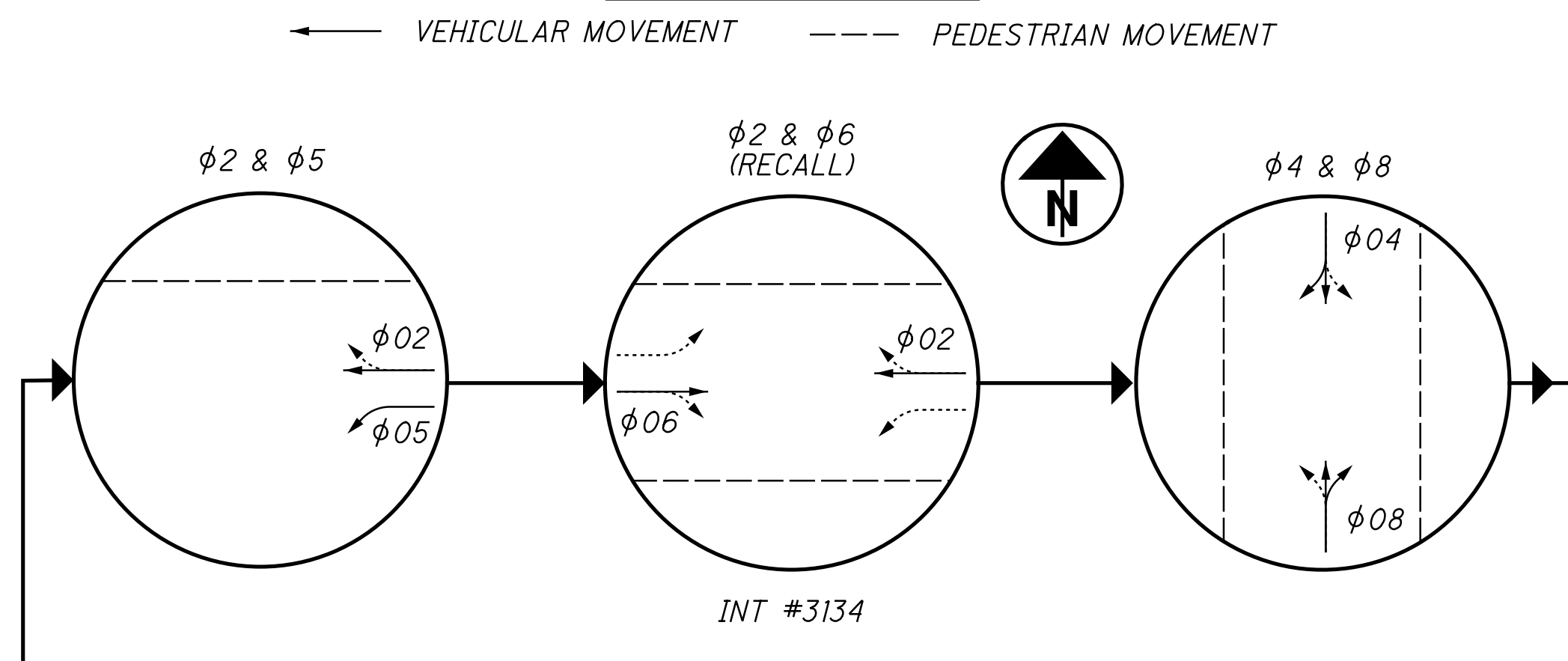
**RADAR DETECTION CHART**

DETECTION ZONE (#)	RADAR DETECTOR (#)	PHASE	DETECTION ZONE SIZE (W' X L')	PRESENCE	PURPOSE	DELAY DATA	
						DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)
Z2A	3	φ2	5'x5'	X	Call/Extend	0	φ2
Z4A	4	φ4	5'x24'	X	Call/Extend	5	φ4
Z5A	3	φ5	5'x25'	X	Call/Extend	3	φ5
Z6A	2	φ6	5'x5'	X	Call/Extend	0	φ6
Z8A	1	φ8	6'x30'	X	Call/Extend	5	φ8
Z8B	1	φ8	6'x30'	X	Call/Extend	5	φ8
Z6B	2	φ6	5'x25'	X	Future	-	φ6

**WIRING DIAGRAM LEGEND**

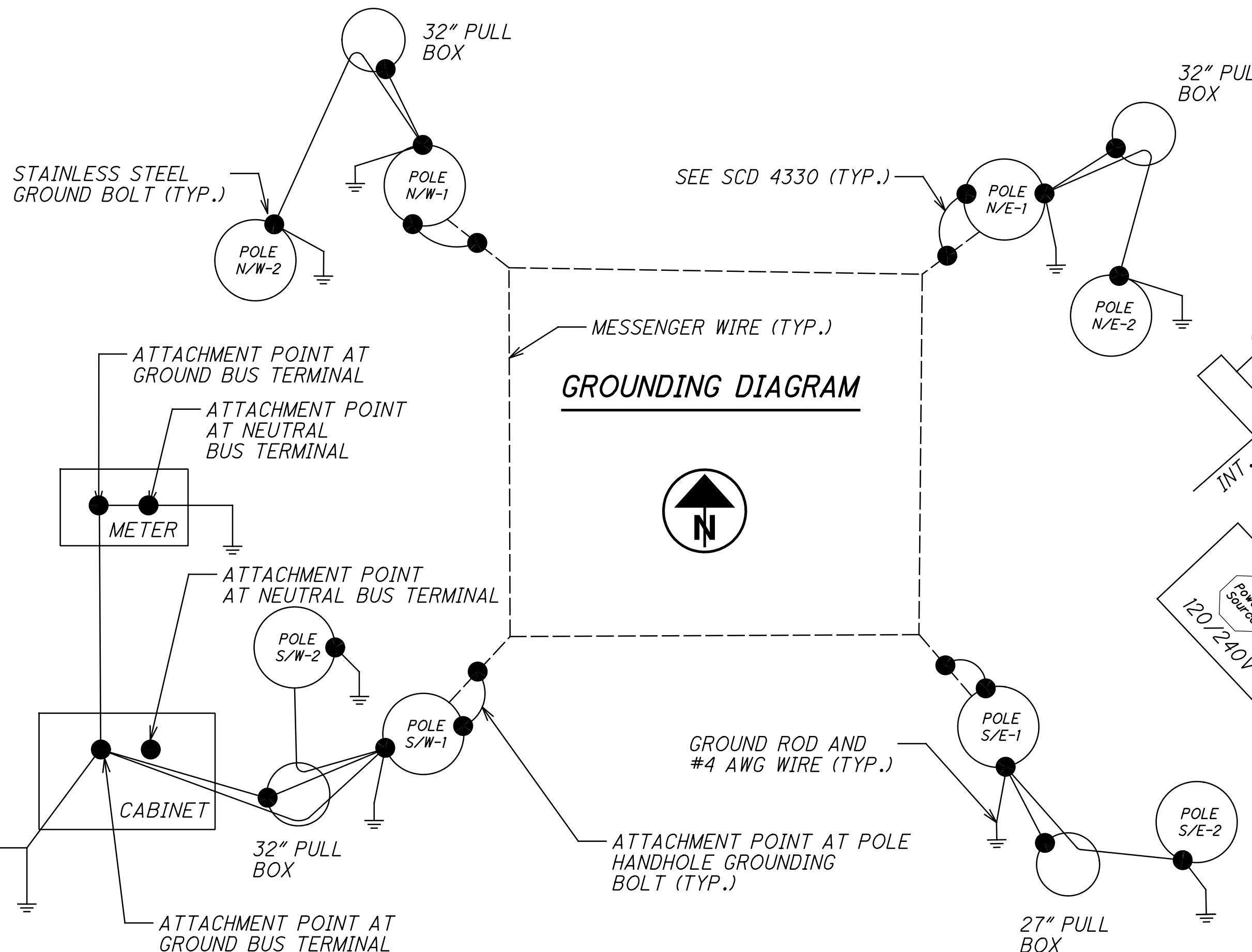


**PHASING DIAGRAM**

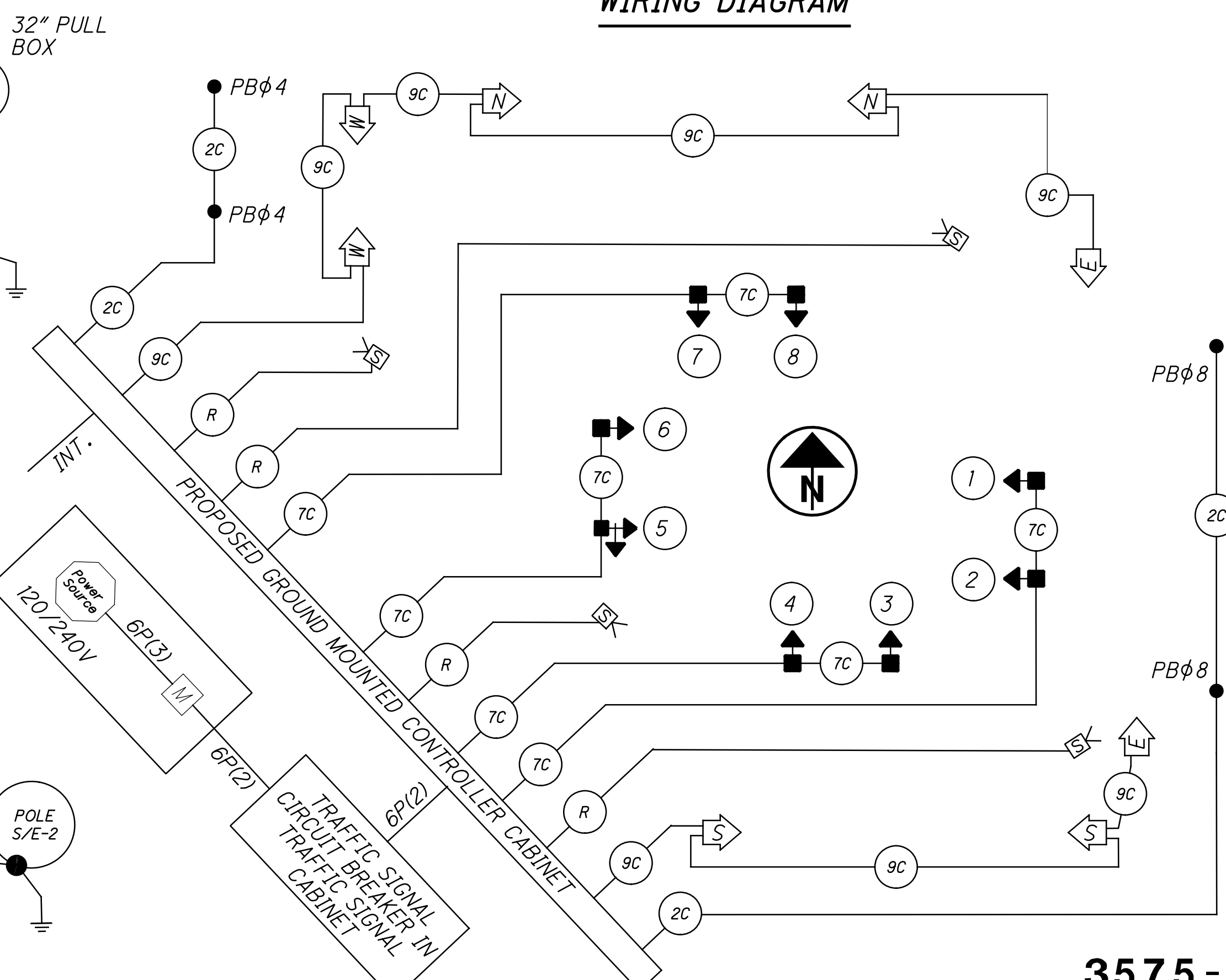


**NOTES:**

- SET CONFLICT MONITOR FOR 10 SEC FLASH.
- LOOP DETECTOR LEAD-IN CABLE SHALL BE USED FOR THE PEDESTRIAN PUSHBUTTONS. GROUND THE SHIELD ONLY AT THE CABINET.
- SET ALL MAINLINE FAR (F) ZONE CHANNELS ON PRESENCE MODE. SET EXTENSION TIME TO 8 SECONDS ON ALL FAR (F) ZONE UNITS. SET ALL PRESENCE ZONE CHANNELS TO COUNT MODE. SET ALL 6'X6' ZONE CHANNELS TO PULSE MODE.
- N/A
- BACK PANEL WIRING (FRONT SIDE JUMPERS ONLY)
  - A) HARD WIRE 'PED RECYCLE' TO GROUND.
  - A2) N/A
  - B) N/A
  - C) INSTALL A DIODE BETWEEN TERMINALS, φ6 'PHASE ON' OUTPUT AND φ5 'OMIT' INPUT, SO THE LEFT TURN PHASE (φ5) IS OMITTED DURING THE THROUGH PHASE (φ6).
  - D) USE DIODES TO PREVENT FEEDBACK ON MULTI-USE TERMINALS.
  - E) N/A
  - F) N/A
  - G) N/A
  - H) N/A
- CONTROLLER SOFTWARE PROGRAMMING
  - A) INITIALIZE IN φ2 & φ6 GREEN
  - B) ENABLE ACTUATED REST-IN-WALK. ACTIVATE PHASE φ2 & φ6.
  - C) ENABLE DUAL ENTRY. ACTIVATE φ4 & φ8.
  - D) ENABLE SIMULTANEOUS GAP OUT. ACTIVATE φ2, φ4, φ6 & φ8.
  - E) N/A
- N/A
- N/A
- INTERCONNECT CABLE SHALL BE CONTINUOUSLY RUN BETWEEN CONTROLLER CABINETS. NO SPLICES ARE PERMITTED EXCEPT WHERE NOTED.



**WIRING DIAGRAM**



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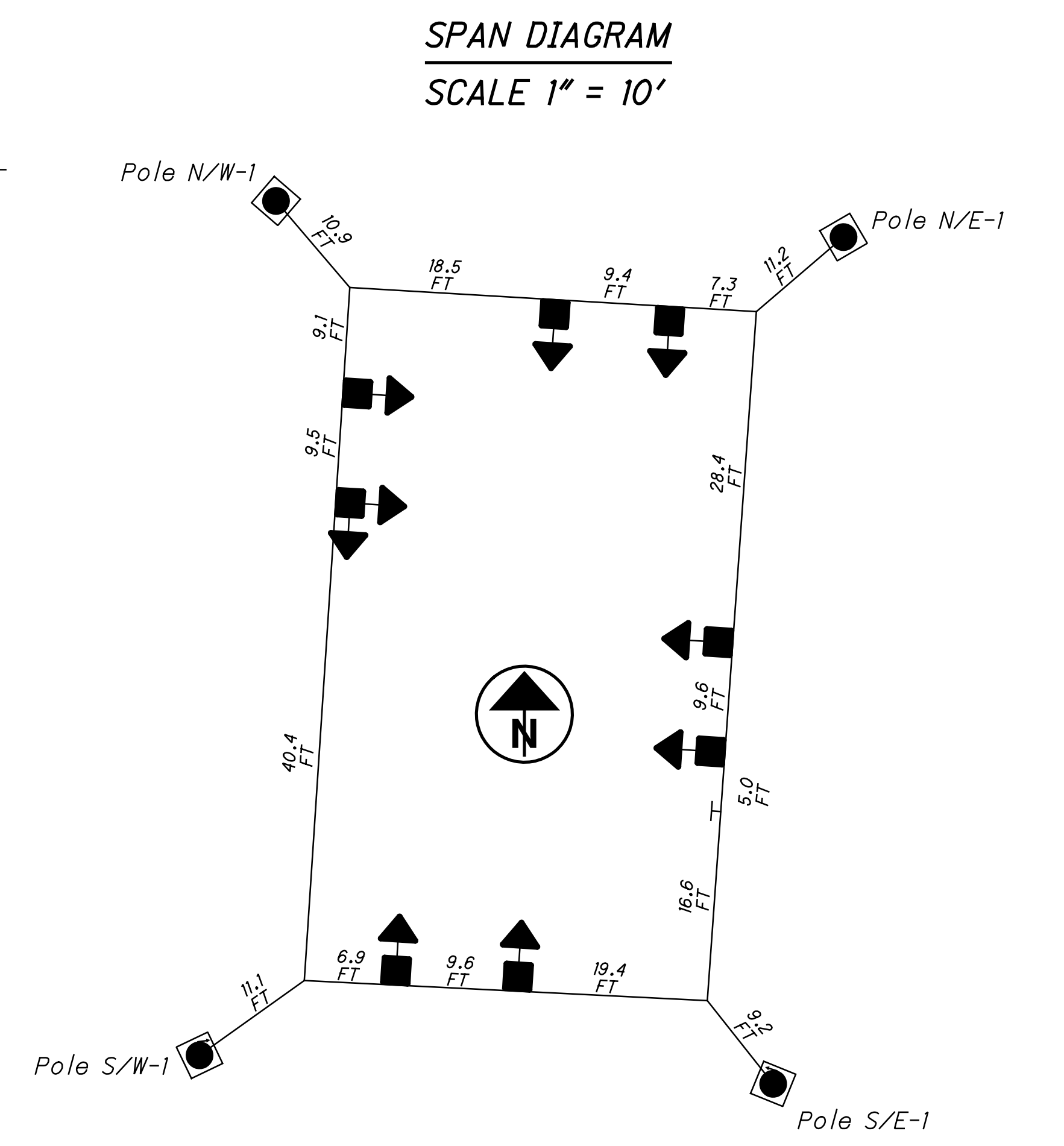
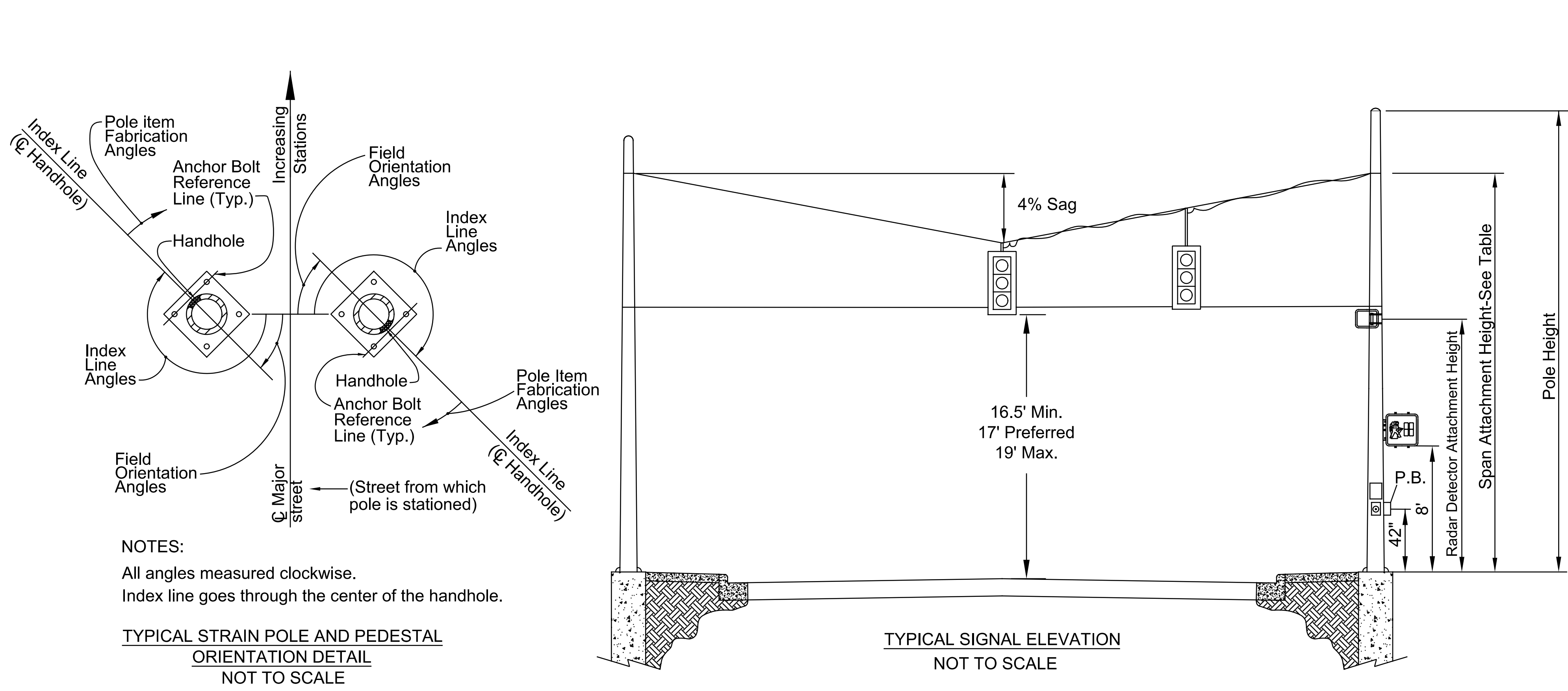
TRAFFIC SIGNAL PLAN DETAIL  
 DRESDEN ST AT HUDSON ST

HUDSON ST

3575-E

441  
535

INTERSECTION	SHEET NO.	POLE SIZES & SPAN ATTACHMENT HEIGHT								POLE FABRICATION DATA CLOCKWISE FROM HANDHOLE AT 0 DEGREES						FIELD ORIENTATION			
		POLE DESIGNATION	POLE COLOR/FEDERAL STANDARD 595B	POLE DESIGN NO.	POLE HT. (FT.)	SPAN ATTACHMENT HT. (FT.)	RADAR DETECTOR (FT)	POWER SERVICE SPAN ATTACHMENT HT. (FT.)	INTERCONNECT SPAN ATTACHMENT HT. (FT.)	ANCHOR BOLT REF. LINE	2" BHC ANGLE-HT. DEG.-FT.	3" BHC ANGLE-HT. DEG.-FT.	PED. SIGNALS	PED. PUSH BUTTONS	STREET NAME SIGN	INDEX LINE ANGLE (HANDHOLE)	ANCHOR BOLT REF. LINE	CAPPED FOUNDATION CONDUIT ELL 2" DIA.	FOUNDATION ELEVATION
		N/W-1	↑	9	29	26	19	28	27	90	180 - 27'	-	216	-	216	149	59	-	SEE SHEET 278
		N/W-2		PEDESTAL	10.7	-	-	-	-	90	-	-	202	202	-	80	350	-	SEE SHEET 278
DRESDEN ST		S/W-1	↑	9	29	25.5	19	27.5	26.5	90	-	180 - 26.5'	125	-	226	223	133	-	SEE SHEET 278
AT	440	S/W-2		SEMI-GLOSS BLACK	PEDESTAL	21	-	19	-	90	-	-	180	180	-	288	198	-	SEE SHEET 278
HUDSON ST		S/E-1	↓	#27038	9	28	25	-	-	90	180 - 26'	-	236	-	222	138	230	-	SEE SHEET 278
		S/E-2		PEDESTAL	21	-	19	-	-	90	-	-	180	180	-	72	342	-	SEE SHEET 278
		N/E-1		9	29	26	-	-	-	90	180 - 27'	-	142	-	236	212	122	-	SEE SHEET 278
		N/E-2	↓	PEDESTAL	10.7	-	-	-	-	90	-	-	160	160	-	283	193	-	SEE SHEET 278



NOTES:  
1. THE LOWEST SIGNAL HEAD HEIGHT IN EACH DIRECTION SHALL BE SET AT 16.5'. ADJUST THE SPAN ACCORDINGLY.

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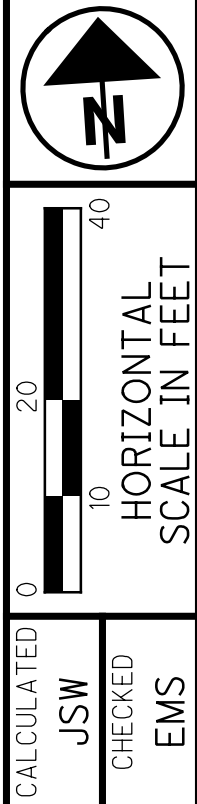
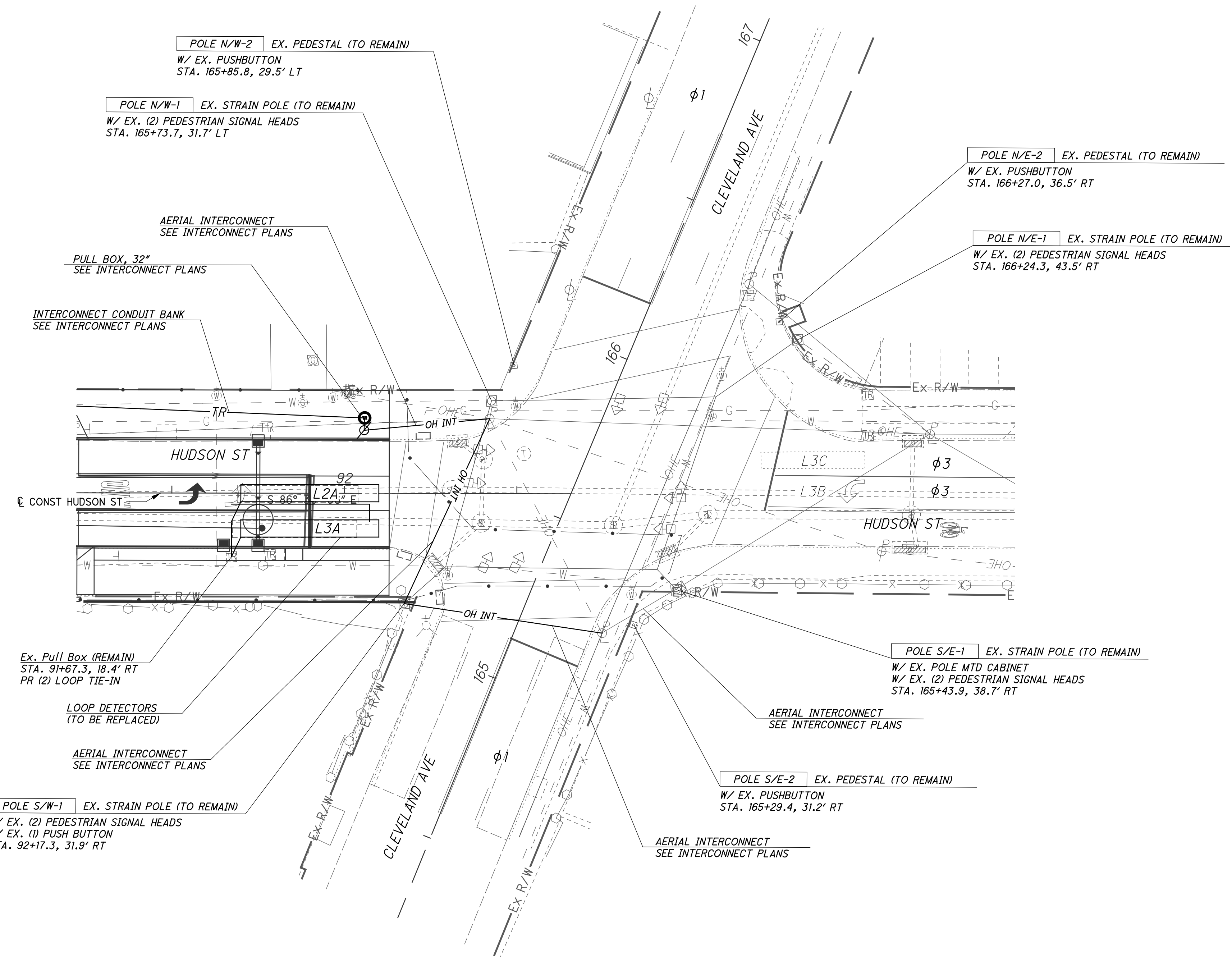
**LEGEND**

- SIGNAL HEADS: PROP. VEHICULAR PROP. PEDESTRIAN
- SIGNAL POLES: PROP. ANCHOR/STRAIN POLE PROP. PEDESTAL PUSHBUTTON
- CONTROLLERS & CABINETS: PROP. CABINET W/ PAD
- PULL BOXES: EX. PULL BOX PROP. PULL BOX
- DETECTION: STOP LINE RADAR DETECTION DILEMMA RADAR DETECTION RADAR ZONE

**DETECTION CHART**

DETECTOR (#)	DETECTOR ASSIGNMENT		PHASE	LOOP SIZE (W' X L')	LOOP DELAY DATA		DETECTOR UNIT RACK & CABLE LABEL
	UNIT (#)	CHANNEL (#)			DELAY (SEC)	INHIBIT DELAY DURING GREEN (PHASE)	
L2A	1	1	φ2	5' X 40'	3	φ2	EBLT
L3A	1	2	φ3	5' X 40'	5	φ3	EBT

- NOTES:**
- THE CONTRACTOR SHALL ENSURE THAT ALL PROPOSED SIDEWALKS/ PATHWAYS MEET ADA GUIDELINES PER CITY SPECIFICATIONS.
  - THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING SIDEWALKS/ PATHWAYS WITHIN THE PROJECT WORK LIMITS MEET ADA GUIDELINES PER CITY SPECIFICATIONS.
  - ALL CABLES, UNLESS SPECIFIED IN THE PLANS, ARE TO BE ROUTED INSIDE THE ANCHOR BASE SIGNAL SUPPORT POLE OR PEDESTAL. CABLES NOT SERVING A GIVEN POLE OR PEDESTAL SHALL NOT BE ROUTED THROUGH THE POLE.
  - POWER, SERVICE AND INTERCONNECT CABLE SHALL BE CONTINUOUS WITH NO SPLICES, EXCEPT AS NOTED.
  - FOR SIGNING AND PAVEMENT MARKINGS, SEE SHEETS 394-419 .
  - N/A
  - N/A
  - N/A
  - TAGGING OF CABLE IN THE PULL BOX IMMEDIATELY ADJACENT TO THE CONTROL CABINET IS NOT REQUIRED EXCEPT FOR TAGGING OF CERTAIN CABLE AS DIRECTED BY THE PROJECT ENGINEER, OR AS PER PLAN.
  - DO NOT ENCASE THE GROUND ROD, THE GROUNDING WIRE, OR THE EMT CONDUIT ENDS IN CONCRETE THAT FALL OUTSIDE OF THE FOUNDATION. FULL ACCESS TO THESE ITEMS MUST BE MAINTAINED AT ALL TIMES. PERMANENTLY MARK THE TOP OF FOUNDATION CONCRETE, WITH A MARKER OR SYMBOL SO THE ROD LOCATION CAN BE IDENTIFIED BY OTHERS.
  - N/A
  - N/A
  - UNDERGROUND CONDUIT AND TRENCH THAT ARE UNDER PROPOSED SIDEWALK OR ROADWAY AREAS SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF SIDEWALKS OR ANY ASPHALT OR CONCRETE ROADWAY COURSE.
  - N/A
  - N/A
  - SEE INTERCONNECT SCHEMATIC SHEETS 454 FOR INTERCONNECT ITEMS.
  - N/A
  - N/A
  - N/A
  - USE A SEPARATE CONDUIT FOR EACH GROUPING OF CABLES UNLESS OTHERWISE INDICATED: ONE CONDUIT FOR 120VAC SIGNAL CABLE (3/C, 7/C, 9/C); ONE CONDUIT FOR POWER; ONE CONDUIT FOR 2 CONDUCTOR CABLE (LOOP & PUSHBUTTON); AND ONE CONDUIT FOR INTERCONNECT/COMMUNICATIONS CABLE (TWISTED PAIR, FIBER OPTICS OR COAX). ANY OTHER LOW VOLTAGE CABLE NOT SPECIFIED ABOVE CAN BE PLACED IN THE 2 CONDUCTOR CABLE CONDUIT. POWER CABLE MUST BE PLACED IN ITS OWN CONDUIT.
  - UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY. A PREFORMED PVC CONDUIT ELBOW SHALL BE USED TO CHANGE THE PVC CONDUIT DIRECTION BEYOND WHAT ITS NATURAL BENDING FLEX WOULD YIELD. RIGID METAL CONDUIT CAN BE BENT TO FORM AN ELBOW OR ANY OTHER BENDING ANGLE REQUIRED ONLY IF A PROPER CONDUIT BENDING MACHINE IS USED. THE ELBOW RADIUS FOR ANY NON-INTERCONNECT CONDUIT SHALL BE 24" OR LARGER WHEN USED IN A HORIZONTAL OR VERTICAL MANNER. ANY TYPE OF ELBOW USED FOR INTERCONNECT CONDUIT SHALL HAVE A RADIUS OF 36" OR LARGER WHEN USED IN A HORIZONTAL DIRECTION OR IN A VERTICAL DIRECTION WHEN THE TRENCH IS 36" OR DEEPER. IF THE TRENCH IS LESS THAN 36" THEN THE VERTICAL ELBOW RADIUS SHALL BE 24".
  - ALL CLAMPS AND BANDING MATERIAL SHALL BE PAINTED TO MATCH THE SIGNAL SUPPORTS.
  - N/A
  - N/A



**TRAFFIC SIGNAL MODIFICATION PLAN  
CLEVELAND AVE AT HUDSON ST**

**HUDSON ST**

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**ITEM 625 TRACING WIRE, AS PER PLAN**

TRACING WIRE SHALL BE NO SMALLER THAN #10 AWG WIRE. THE WIRE SHALL BE INSULATED, ORANGE IN COLOR, AND CONSTRUCTED OF COPPER CLAD STEEL (STRANDED). TRACING WIRE JACKET SHALL BE HDPE OR HMWPE. TRACING WIRE SHALL BE INSTALLED THROUGH ALL CONDUITS AND DUCT BANKS WHICH CONTAIN FIBER OPTIC CABLE BUT ARE NON-METALLIC AND CONTAIN NO METALLIC OR OTHERWISE "TRACEABLE" COMPONENTS. TRACING WIRE SHALL BE INSTALLED ALONG WITH FIBER OPTIC CABLE IN THE FOLLOWING LOCATIONS: 1. THROUGH A 1-1/2 INCH CONDUIT WITHIN IN A DUCT BANK 2. THROUGH A SINGLE NEWLY INSTALLED COMMUNICATIONS CONDUIT, GIVEN CONDUIT IS NOT PART OF A DUCT BANK AND IS 3" OR GREATER DIAMETER 3. THROUGH EXISTING CONDUIT PATH WHERE NEW FIBER IS BEING INSTALLED AS PART OF THIS PROJECT, EXCLUDING LOCATIONS WITH EXISTING FUNCTIONAL TRACING WIRE AS DETERMINED BY THE ENGINEER.

APPROXIMATELY 10 FT. OF SLACK OF THE TRACING WIRE SHALL BE LEFT INSIDE THE ADJACENT PULL-BOXES CONNECTING THE CONDUIT RUNS. IN SITUATIONS WHERE A TYPE 2 FIBER OPTIC CABLE MARKER IS TO BE INSTALLED IN CONJUNCTION WITH THE TRACING WIRE, THE TRACING WIRE SHALL BE RUN THROUGH THE MARKER AND CONNECTED TO TERMINALS AT THE TOP OF THE MARKER. LABEL AND TERMINATE TRACING WIRE TO TERMINAL BLOCKS IN PULL BOXES APPROXIMATELY EVERY 1000 FT. (MAX). MOISTURE DISPLACEMENT CONNECTORS SHALL BE USED AT ALL CONNECTION POINTS. 3M DBR CONNECTORS, COPPERHEAD

SNAKEBITE CONNECTORS, OR APPROVED EQUAL SHALL BE USED. AFTER ALL CONNECTIONS ARE COMPLETED THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR A LOCATE OR CONDUCTIVITY TEST. THE TRACING WIRE SHALL ENTER A PULL BOX ON ONE SIDE AND BE ROUTED AROUND THE INSIDE PERIMETER OF THE PULL BOX TO THE OTHER SIDE AND THEN EXIT THE OPPOSING SIDE. THE TRACING WIRE SHALL BE CONTINUOUSLY RUN BETWEEN PULL BOXES (ABSOLUTELY NO SPLICES EXCEPT IN A PULL BOX). CONDUIT THAT BRANCHES OFF THE MAIN CONDUIT RUN SHALL HAVE ITS TRACING WIRE TERMINATED IN A PULL BOX OR CONTROLLER CABINET. THE WIRE SHALL BE TAGGED AS "TRACING WIRE", COILED (10 FEET IN LENGTH) AND LEFT DISCONNECTED AT EACH END (OPEN CIRCUIT). IF RIGID GALVANIZED STEEL CONDUIT IS USED TO JACK UNDER A ROADWAY, TRACING WIRE SHALL BE CONNECTED TO EACH END OF THE CONDUIT USING A HEAVY DUTY WIRE LUG BUSHING APPROVED BY ENGINEER SO THE CONDUIT WILL ACT AS A CONDUCTOR COMPLETING THE TRACING WIRE CIRCUIT. PAYMENT FOR ALL TRACING WIRE SHALL BE INCLUDED IN THE CONDUIT AND FIBER BID ITEMS. 9/1/15

**ITEM 632 MESSENGER WIRE, 7-STRAND, 0.25-IN. DIAMETER WITH ACCESSORIES, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF 632.22, THE CONTRACTOR SHALL FURNISH AND INSTALL MESSENGER WIRE AS SHOWN IN THE PLANS TO SUPPORT THE FIBER OPTIC CABLE SYSTEM. MESSENGER WIRE SHALL BE RATED AS EXTRA-HIGH STRENGTH AND MEET THE REQUIREMENTS OF 732.18. ACCESSORIES USED WITH MESSENGER WIRE SHALL INCLUDE THRU BOLTS, EYE BOLTS, SUSPENSION HANGERS, THIMBLES, PREFORMED GUY GRIPS, POLE CLAMPS, DEAD-ENDS, AND THREE BOLT CLAMPS AS SHOWN ON THE PLANS. THE MESSENGER WIRE SHALL BE DEAD-ENDED ON BOTH SIDES OF A STREET CROSSING. MESSENGER WIRE SHALL BE ATTACHED USING THIMBLES TO THE CLEAVES OF STRAIN POLE SPAN WIRE CLAMPS AND TO EYE BOLTS. ALL ACCESSORIES SHALL HAVE A RATED LOADING STRENGTH EQUAL TO OR GREATER THAN THE MESSENGER WIRE MINIMUM BREAKING STRENGTH AND SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.

FOR THE AERIAL INSTALLATION OF FIBER OPTIC CABLE, THE CABLE SHALL BE ATTACHED TO THE MESSENGER WIRE BY DOUBLE 0.045-INCH TYPE 316 STAINLESS STEEL LASHING WIRES, HAVING AN AVERAGE OF ONE WRAP PER LINEAR FOOT OF MESSENGER WIRE. LASHING WIRE SHALL MAINTAIN A CONSISTENT SPIRAL THROUGHOUT THE ENTIRE SPAN, WITHOUT EXCEPTION, AND MUST MAINTAIN A MINIMUM OF 40 LB. OF PULL DURING AND AFTER INSTALLATION. THERE SHALL BE NO VISIBLE SEPARATION OF MESSENGER WIRE AND CABLE IN MID SPAN LASHING. THE LASHED CABLE REQUIRES SUPPORT WHEN IT EXTENDS BEYOND THE POINTS OF TERMINATION OF THE LASHING WIRE. THIS SUPPORT IS NECESSARY TO KEEP THE CABLE IN PLACE AND TO MAINTAIN CLEARANCES BETWEEN THE CABLE SHEATH AND VARIOUS ITEMS OF HARDWARE. A POLYPROPYLENE AERIAL SUPPORT TIE WITH AN INTEGRAL 0.50-IN. SPACER SHALL BE USED TO FASTEN THE CABLE TO THE SUPPORTING MESSENGER WIRE AND MAINTAIN SEPARATION BETWEEN THE CABLE AND MESSENGER WIRE.

WHEN ATTACHING CABLE TO THE MESSENGER WIRE FOR DISTANCES OF 100 FEET OR LESS, THE METHOD OF ATTACHMENT SHALL BE GALVANIZED STEEL HELICAL LASHING RODS OF 5 OR 6 FOOT LENGTHS OF A PROPER INTERNAL DIAMETER TO TIGHTLY SECURE THE CABLE TO THE MESSENGER WIRE. THIS METHOD MAY ALSO BE USED AT LOCATIONS AS REQUESTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

THE WORK AS DESCRIBED WILL BE MEASURED AS THE NUMBER OF LINEAR FEET INSTALLED OF MESSENGER WIRE DOUBLE LASHED TOGETHER WITH CABLES INSTALLED COMPLETE.

MESSENGER WIRE WILL BE PAID FOR PER LINEAR FOOT, AND WILL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SPECIFIED. 8/26/15

**ITEM 633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE**

THE CONTRACTOR SHALL FURNISH AND INSTALL SINGLE MODE FIBER (SMF), SMALL FORM FACTOR PLUGGABLE (SFP) GIGABIT INTERFACE CONVERTER (GBIC) MODULES AT LOCATIONS AS SHOWN ON THE PLANS.

THE GBIC TRANSCEIVER SHALL BE 1000BASE LX/LH SFP-LC TRANSCEIVER (CISCO PART #GLC-LX-SM-RGD).

THE CONTRACTOR SHALL INSTALL THE SFP MODULE IN THE ETHERNET SWITCH SLOT AND CONFIGURE AS NECESSARY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE, FUNCTIONAL SYSTEM INCLUDING ALL NECESSARY CABLES AND CONNECTORS IN ACCORDANCE TO THE SPECIFICATIONS AND AS SPECIFIED ON THE PLANS. ALL MISCELLANEOUS PATCH AND INTERCONNECT CABLES SHALL MEET THE PROPOSED EQUIPMENT SPECIFICATION REQUIREMENTS AND SHALL MEET EIA/TIA TELECOMMUNICATIONS STANDARDS. THE WORK AS DESCRIBED WILL BE MEASURED AS ONE UNIT FOR EACH OF THE INSTALLATIONS SPECIFIED, AND SHALL INCLUDE ALL MATERIALS, EQUIPMENT AND INCIDENTALS, COMPLETE IN PLACE. PATCH CABLES, TERMINATIONS, CONNECTIONS, AND OTHER MISCELLANEOUS ITEMS AND MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THIS WORK AND NO SEPARATE PAYMENT WILL BE MADE. 12/2/15

**ITEM 625 CONDUIT, MISC.: ENCASED INTERCONNECT CONDUIT BANK, (BY CONFIGURATION/SIZE), TC-2, SCH 40**

IN ADDITION TO THE REQUIREMENTS OF 625.12,

ANY CONDUIT WITHOUT A SPACER ABOVE IT (I.E. ANY TOP ROW CONDUIT) SHALL BE WIRE-WRAPPED TO THE SPACER BENEATH IT IN ORDER TO BE HELD IN PLACE.

A NUMBER 10 GAUGE, STRANDED COPPER, POLYESTER OR CROSS LINKED POLYETHYLENE (XLPE) INSULATED TRACING WIRE SHALL BE INSTALLED IN THE 1-1/2" CONDUIT. THE WIRE INSULATION SHALL BE RESISTANT TO MOISTURE ABSORPTION AND ABRASIVE ACTIONS. THE TRACING WIRE JACKET SHALL BE ORANGE; NO OTHER JACKET COLOR IS ALLOWED. THE TRACING WIRE SHALL ENTER A PULLBOX THROUGH THE 1-1/2" CONDUIT AND SHALL BE ROUTED AROUND THE INSIDE PERIMETER OF THE PULLBOX TO THE OTHER SIDE AND THEN EXIT THE OPPOSING 1-1/2" CONDUIT. THE TRACING WIRE SHALL BE CONTINUOUSLY RUN BETWEEN PULLBOXES (ABSOLUTELY NO SPLICES EXCEPT IN A PULLBOX). CONDUIT THAT BRANCHES OFF THE MAIN CONDUIT RUN SHALL HAVE ITS TRACING WIRE TERMINATED IN A PULLBOX OR CONTROLLER CABINET. THE WIRE SHALL BE TAGGED AS "TRACING WIRE", COILED (3 FEET IN LENGTH) AND LEFT DISCONNECTED AT EACH END (OPEN CIRCUIT).

ENCASED CONDUIT BANK SHALL BE ORIENTED AS REPRESENTED IN THE PLANS AND INSTALLED AS SHOWN IN SCD 4001.

THIS ITEM OF WORK SHALL ALSO INCLUDE THE REMOVAL OF ABANDONED WATERLINES AND GAS LINES WHERE IN CONFLICT WITH THE DUCT BANK OR PULL BOXES.

THE COST FOR THE TRACING WIRE AND ITS INSTALLATION SHALL BE INCIDENTAL TO THE COST OF THIS PAY ITEM. 9/17/21-MOD

**ITEM 633 CONTROLLER ITEM MISC.: LAYER 2 ETHERNET SWITCH**

THE CONTRACTOR SHALL PURCHASE AND INSTALL ENVIRONMENTALLY HARDENED LAYER 2 ETHERNET SWITCHES AS SHOWN ON THE PLANS. LAYER 2 ETHERNET SWITCHES SHALL BE COMNET MODEL CNGE1FX3TX8MS THIS WORK IS THE FURNISHING AND INSTALLATION OF A LAYER 2 SWITCH WITH THREE 100/1000BASE-FX SFP PORTS AND EIGHT SWITCHED 10/100/1000BASE-TX RJ45 PORTS.

ALL EQUIPMENT SHALL BE NEW AND IN STRICT ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS AND THE SPECIFICATIONS.

TRAFFIC MAINTENANCE SHALL BE CONTACTED AT 645-7393 14 CALENDAR DAYS PRIOR TO INSTALLATION TO PROGRAM THE SWITCH. THE CONTRACTOR SHALL INSTALL THE SWITCH IN THE CABINET BUT SHALL NOT MAKE ANY CONNECTIONS TO THE SWITCH.

THE TRAFFIC MAINTENANCE MANAGER SHALL INSPECT THE CONDITION OF ALL COMPONENTS UPON INSTALLATION. NO DAMAGED COMPONENT WILL BE ACCEPTED, AND NO COMPONENT SHALL BE CONSIDERED INSTALLED UNTIL THE TRAFFIC MAINTENANCE MANAGER APPROVES OF THE SWITCH INSTALLATION. LAYER 2 ETHERNET SWITCHES SHALL SUPPORT DIRECT CONNECTIVITY TO PROPOSED AND EXISTING NETWORKS CONFIGURED IN RING AND MESH FAULT TOLERANT TOPOLOGIES ENABLING APPLICATIONS TO OPERATE RELIABLY, AND WITH LOW LATENCY.

ALL EQUIPMENT SHALL INCLUDE LICENSES, WHERE REQUIRED, FOR ANY SOFTWARE OR HARDWARE IN THE SYSTEM.

LAYER 2 ETHERNET SWITCHES SHALL SUPPORT DIRECT CONNECTIVITY TO PROPOSED AND EXISTING NETWORKS CONFIGURED IN RING AND MESH FAULT TOLERANT TOPOLOGIES ENABLING APPLICATIONS TO OPERATE RELIABLY, AND WITH LOW LATENCY.

1. INSTALL POWER ADAPTER, POWER CABLES, CATEGORY 5E OR CATEGORY 6 PATCH CORDS, AND SINGLE MODE PATCH CABLES AS REQUIRED AND DEPICTED ON COMMUNICATIONS DIAGRAMS.
2. SECURELY MOUNT THE SWITCH AND POWER SUPPLY IN THE CABINET.
3. MAKE POWER CONNECTION TO AN AVAILABLE OUTLET ON THE INSTALLED SURGE SUPPRESSOR.
4. MAKE THE COMMUNICATION CONNECTIONS.
5. ESTABLISH AND VERIFY COMMUNICATIONS TO THE NETWORK PRIOR TO TRANSITIONING SIGNAL CONTROLLER TO NEW SYSTEM.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE, FUNCTIONAL SYSTEM INCLUDING ALL NECESSARY CABLES AND CONNECTORS IN ACCORDANCE TO THE SPECIFICATIONS AND AS SPECIFIED ON THE PLANS. ALL MISCELLANEOUS PATCH AND INTERCONNECT CABLES SHALL MEET THE PROPOSED EQUIPMENT SPECIFICATION REQUIREMENTS AND SHALL MEET EIA/TIA TELECOMMUNICATIONS STANDARDS. ADDITIONALLY, FIBER OPTIC PATCH CABLES SHALL CONFORM TO THE PLAN REQUIREMENTS FOR PATCH CABLES. 5/12/20

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INTERCONNECT GENERAL NOTES

HUDSON ST

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**ITEM 632 SIGNALIZATION MISC.: DELASHING AND RELASHING OF CABLE**

WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, LEAD-IN CABLES AND/OR DROP CABLE ARE TO BE LASHED IN WITH EXISTING CABLES ON EXISTING MESSENGER WIRE. THE CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING LASHING ROD, REMOVE THE EXISTING CABLE, INSERT THE NEW CABLE IN THE EXISTING BUNDLE, AND RELASH THE BUNDLE. CARE SHALL BE TAKEN TO MAINTAIN A NEAT APPEARANCE OF THE LASHED CABLES. THE EXISTING LASHING ROD MAY BE REUSED UNLESS IT IS SHOWING RUST OR DAMAGE. ALL REPLACEMENT LASHING ROD SHALL BE FURNISHED BY THE CONTRACTOR.

PAYMENT FOR DELASHING AND RELASHING WILL BE MADE PER LINEAL FOOT OF CABLE INTEGRATED INTO THE EXISTING BUNDLE UNDER ITEM 632, "SIGNALIZATION MISC.: DELASHING AND RELASHING OF CABLE". MEASUREMENTS WILL BE MADE OF THE ACTUAL LENGTH OF CABLE OVER WHICH THIS OPERATION TAKES PLACE. OVERLASHING OR LASHING ON BARE MESSENGER WIRE IS NOT A PART OF THIS ITEM. PAYMENT FOR THE CABLE TO BE INSTALLED BY THIS METHOD WILL BE PAID FOR UNDER THE APPROPRIATE CABLE ITEM. 11/5/15

**ITEM 632 INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED**

THE CONTRACTOR SHALL INSTALL OUTDOOR RATED CATEGORY 5E CABLE FOR ALL OUTDOOR APPLICATIONS SUSCEPTIBLE TO WATER OR MOISTURE PENETRATION. OUTDOOR RATED CATEGORY 5E CABLE SHALL BE USED TO PROVIDE INTERCONNECTION BETWEEN THE ETHERNET SWITCHES, ITS DEVICES, AND NETWORK INTERFACES AS SHOWN ON THE PLANS.

THE SPECIFICATIONS FOR THE OUTDOOR RATED CATEGORY 5E CABLES SHALL MEET THE FOLLOWING SPECIFICATIONS:

- DOUBLE SHIELD
- ALUMINUM ARMORED
- BARE (AKA PURE) COPPER CONDUCTORS
- CM PVC JACKET
- BLACK COLOR
- 24 AWG
- SOLID CONDUCTOR
- TIA/EIA-568A,ISO/IEC11801,YD/T1019-2001

ALL COMPLETE CABLES (INCLUDING CABLE AND CONNECTORS) SHALL BE CAT 5E CERTIFIED AND TESTED. THE CONTRACTOR SHALL TEST AND CERTIFY EACH CAT 5E CABLE (EXCLUDING PATCH CABLES 10 FEET OR LESS).

ALL CABLING SHALL BE CUT TO PROPER LENGTH BEFORE ASSEMBLY. CABLES SHALL BE NEATLY LASHED TO THE MESSENGER WIRE CABLE WHERE SHOWN IN THE PLANS.

OUTDOOR RATED CATEGORY 5E CABLE WILL BE MEASURED TO THE CABINET, OR DEVICE, PLUS AN ALLOWANCE OF FIVE (5) FEET ON EACH END.

OUTDOOR RATED CATEGORY 5E CABLE WILL BE PAID FOR PER LINEAR FOOT, AND WILL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SPECIFIED. 3/4/16

**ITEM 1620 MISC.: TERMINATION PANEL, 24 FIBER**

THE TERMINATION PANEL SHALL BE FURNISHED AND INSTALLED IN THE TRAFFIC SIGNAL CONTROLLER CABINET AT THE LOCATION SHOWN ON THE PLANS. THE TERMINATION PANEL HOUSING SHALL BE CORNING MODEL SPH-01P AND SHALL INCLUDE ONE CLOSET CONNECTOR HOUSING, CORNING MODEL CCH-CP24-A9-P03RH. 4/22/19

**ITEM 632 INTERCONNECT, MISC.: FIBER OPTIC SPLICE ENCLOSURE, CLAMSHELL, 288 SPLICE**

FIBER OPTIC CABLE SPLICES SHALL BE PERFORMED IN SPLICE ENCLOSURES AS SHOWN ON THE PLANS. THE SPLICE ENCLOSURES SHALL BE CORROSION RESISTANT, RODENT PROOF, RE-ENTERABLE, AND MANUFACTURER CERTIFIED FOR UNDERGROUND INSTALLATION.

THE 288 CLAMSHELL SPLICE ENCLOSURES SHALL BE 8.5"X22" COYOTE CLAMSHELL ENCLOSURE, PLP CATALOG NUMBER 8006561 WITH COYOTE SPLICE TRAY NUMBER 80805514 AND ARE TO BE INSTALLED IN 32", 36", OR 48" PULL BOXES OR MOUNTED AERIALLY AS DIRECTED IN THE PLANS. CONTRACTOR SHALL ADVISE THE ENGINEER IN THE EVENT THAT CABLES CANNOT ENTER SPLICE ENCLOSURE PERPENDICULARLY TO CABLE PORT ENTRY PLATE, OR IF CABLE BENDS EXCEED MINIMUM INSTALLATION BEND RADIUS RATING AT THE ENCLOSURE ENTRY DUE TO EXISTING FIELD CONDITIONS SUCH AS INADEQUATE SPACE IN PULL BOX OR OTHER OBSTRUCTIONS. NO MORE THAN TWELVE (12) SPLICES SHALL OCCUR IN A SINGLE TRAY. ADDITIONALLY, CONTRACTOR SHALL ADVISE THE ENGINEER PRIOR TO BEGINNING SPLICING IF PLANNED NUMBER OF SPLICES CANNOT BE NEATLY AND SECURELY CONTAINED IN THE TYPE OF SPLICE ENCLOSURE CALLED OUT IN THE PLANS.

FOR UNDERGROUND INSTALLATION, SPLICE ENCLOSURE AND SLACK CABLE MUST FIT WITHIN PULL BOX TO AVOID DAMAGE TO THE ENCLOSURE OR CABLE UPON CLOSING THE PULL BOX LID.

FOR AERIAL INSTALLATION, AN EXTENDED STRENGTH MEMBER BRACKET, COYOTE NUMBER 80805431, SHALL BE INSTALLED WITH THE SPLICE ENCLOSURE TO ENSURE CABLE ENTRIES REMAIN PERPENDICULAR AND SECURELY FASTENED TO THE PORT ENTRY PLATE. AERIAL MOUNTED SLACK STORAGE RACKS ARE TO BE USED FOR ALL INSTALLATIONS WHERE CABLES ARE LOOPED OR BENT 1800. THE COST OF THE STRAIN RELIEF HARDWARE, EXTENDED STRENGTH MEMBER BRACKETS, TIES OR OTHER INSTALLATION HARDWARE IS CONSIDERED INCIDENTAL TO THIS PAY ITEM.

ALL BUFFER TUBES NOT SHOWN AS BEING SPLICED IN THE PLANS ARE TO BE SECURELY COILED WITHIN THE SPLICE ENCLOSURE. PLUG KITS AND BRACKETS SHALL BE INCIDENTAL TO PAY ITEM. ANY PROPOSED EQUIVALENT MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. FIBER OPTIC CABLE SPLICE ENCLOSURES MUST MEET THE REQUIREMENTS LISTED UNDER BELLCORE TESTING REQUIREMENT GR-771-CORE AND UL 1863.

THE WORK AS DESCRIBED WILL BE MEASURED AS ONE UNIT FOR EACH OF THE INSTALLATIONS SPECIFIED, AND SHALL INCLUDE ALL MATERIALS, EQUIPMENT AND INCIDENTALS, COMPLETE IN PLACE. TERMINATIONS, CONNECTIONS, AND OTHER MISCELLANEOUS ITEMS AND MATERIALS SHALL BE INCIDENTAL TO THIS WORK AND NO SEPARATE PAYMENT WILL BE MADE. 4/1/16

**ITEM 1620 MISC.: FIBER OPTIC CABLE, 144 STRAND**

IN ADDITION TO THE REQUIREMENTS OF SUPPLEMENTAL SPECIFICATION 1620, THE CONTRACTOR SHALL PROVIDE ALL MATERIALS REQUIRED FOR THE INSTALLATION, CONNECTORIZATION, AND SPLICING OF THE SPECIFIED COMMUNICATIONS CABLES. THE 144-STRAND CABLE SHALL BE CORNING PART NUMBER 144EU4-T4701D20. 4/22/19

**ITEM 1620 MISC.: FIBER OPTIC CABLE, 24 STRAND**

THE CONTRACTOR SHALL PROVIDE ALL MATERIALS REQUIRED FOR THE INSTALLATION, CONNECTORIZATION, AND SPLICING OF THE SPECIFIED COMMUNICATIONS CABLES. THE 24-STRAND CABLE SHALL BE CORNING PART NUMBER 024EU4-T4101D20. 4/22/19

**ITEM 632 SIGNALIZATION MISC.: CCTV IP-CAMERA SYSTEM**

CLOSED CIRCUIT TELEVISION (CCTV) POLE CAMERA ASSEMBLY - THE CCTV POLE CAMERA ASSEMBLY SHALL INCLUDE THE CAMERA, UNPRESSURIZED DOME/HOUSING, PTZ UNIT, CAMERA CONTROLLER, LOCAL CAMERA CONTROL UNIT (RACK MOUNTED IN CCTV CABINETS AND SHELF MOUNTED IN SIGNAL CABINETS), AND ALL MATERIALS, LABOR, WORKMANSHIP, EQUIPMENT, TESTING, DOCUMENTATION, CABLES, CONNECTORS, AND OTHER ITEMS IDENTIFIED IN THIS BID ITEM, AND INCIDENTAL ITEMS REQUIRED TO DELIVER A FULLY OPERATIONAL CCTV POLE CAMERA ASSEMBLY IN ACCORDANCE WITH THESE SPECIAL PROVISIONS AND THE PLANS.

THIS ITEM SHALL BE FURNISHED PER ODOT SUPPLEMENTAL SPECIFICATION SECTION 809.05.

FURNISH ALL TOOLS, EQUIPMENT, MATERIALS, SUPPLIES, AND MANUFACTURED ARTICLES, AND PERFORM ALL OPERATIONS AND EQUIPMENT INTEGRATION NECESSARY TO PROVIDE A COMPLETE, FULLY OPERATIONAL IP-CAMERA SITE AS DEPICTED HEREIN, WITHIN THE PLAN SET, AND/OR IN THE CONTRACT.

PROVIDE THE CITY WITH A WRITTEN INVENTORY BY LOCATION INCLUDING SERIAL NUMBERS OF ITEMS RECEIVED AND THE CONDITION IN WHICH THEY WERE RECEIVED. ONCE RECEIVED, THE EQUIPMENT BECOMES THE CONTRACTOR'S RESPONSIBILITY. PROVIDE ALL LABOR AND EQUIPMENT NECESSARY TO MOVE INVENTORY OUT OF THE DESIGNATED STORAGE FACILITY AND TO TRANSPORT IT TO THE INSTALLATION LOCATION. ALL ITEMS WILL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS OR AS DIRECTED BY THE DEPARTMENT.

MESSENGER WIRE (IF REQUIRED) WILL BE USED FOR ALL OVERHEAD WIRING OF IP-CAMERA CABLE. CABLES WILL BE ATTACHED TO MESSENGER WIRE AS PER SCD 4331 AND AS DEPICTED IN THE PLANS.

IF IT IS DETERMINED THAT RADIO FREQUENCY INTERFERENCE (RFI) IS INDUCING NOISE AND DEGRADING THE QUALITY OF THE VIDEO IMAGES BEING TRANSMITTED BY THE IP-CAMERA ASSEMBLY OR ITS COMPONENTS, IF REQUIRED BY THE CITY, FURNISH AND INSTALL FERRITE COILS OR OTHER RADIO FREQUENCY (RF) SUPPRESSION DEVICES FOR RFI DAMPENING. THIS INSTALLATION AND THE PLACEMENT OF THESE RF SUPPRESSION DEVICES WILL BE AS RECOMMENDED BY THE MANUFACTURER. THE FURNISHING AND INSTALLATION OF THESE DEVICES WILL BE AN ANCILLARY COST TO THE IP-CAMERA ASSEMBLY PAY ITEM.

THE CONTRACTOR SHALL ENSURE THAT ALL FUNCTIONS OF THE NEWLY INSTALLED CCTV SITE ARE FULLY COMPATIBLE WITH THE HEAD END MILESTONE SYSTEM AT THE TMC. CONFIGURATION AND INTEGRATION LABOR COSTS FOR THE PROPOSED CCTV SITE ARE CONSIDERED INCIDENTAL TO THIS PAY ITEM.

ADDITIONALLY, THE CONTRACTOR SHALL PURCHASE THE FOLLOWING LICENSES IN ORDER TO FULLY INTEGRATE CCTV FUNCTIONALITY INTO THE HEAD END MILESTONE SYSTEM, AND BY COMPLETION OF THE PROJECT TRANSFER OWNERSHIP OF ALL LICENSES TO THE CITY.

1. ONE (1) - CCTV SITE LICENSE - TO INCORPORATE INTO HEAD END MILESTONE SYSTEM. THIS IS TO INCLUDE THE FIVE YEAR SOFTWARE/FIRMWARE UPGRADE SUPPORT.
2. ONE (1) - INTERCONNECT LICENSE TO ENABLE ODOT - CITY OF COLUMBUS TMC SHARED USE OF VIDEO FROM CCTV SITE.

CONFIGURATION AND INTEGRATION LABOR COSTS FOR THE PROPOSED CCTV SITE, INCLUDING THE COST OF SOFTWARE LICENSES SPECIFIED ABOVE, ARE CONSIDERED INCIDENTAL TO THIS PAY ITEM.

THE VENDOR SHALL SUPPLY TO THE CITY COPIES OF THE COMPUTER SOFTWARE FOR SETUP, TESTING, AND CONTROL OF THE CCTV LOCALLY AND INTEGRATE INTO THE HEAD END MILESTONE SYSTEM WHEN NECESSARY.

EQUIPMENT FURNISHED UNDER THIS SPECIFICATION WILL BE GUARANTEED TO PERFORM ACCORDING TO THESE SPECIFICATIONS AND TO THE MANUFACTURER'S PUBLISHED SPECIFICATIONS. EQUIPMENT WILL BE WARRANTED FOR FIVE (5) YEARS EFFECTIVE ON THE DATE OF FINAL ACCEPTANCE OF THE PROJECT BY THE CITY. THE CCTV IP-CAMERA SYSTEM MANUFACTURER(S) WILL ASSIGN TO THE CITY ALL MANUFACTURER'S NORMAL WARRANTIES OR GUARANTEES, ON ALL SUCH ELECTRONIC, ELECTRICAL AND MECHANICAL EQUIPMENT, MATERIALS, TECHNICAL DATA, AND PRODUCTS FURNISHED FOR AND INSTALLED ON THE PROJECT. DEFECTIVE EQUIPMENT WILL BE REPAIRED OR REPLACED, AT THE MANUFACTURER'S OPTION, DURING THE WARRANTY PERIOD AT NO COST TO THE CITY. THE MANUFACTURER WILL PROVIDE REPLACEMENT PARTS AND/OR COMPLETE UNIT(S) WITHIN TEN (10) BUSINESS DAYS AFTER NOTIFICATION BY THE CITY. CONSTRUCTION

1. INSTALL CCTV IP-CAMERA ASSEMBLY AND EQUIPMENT ON THE MOUNT/POLE, EXISTING AND NEW BRACKET ARMS, AND IN THE CABINET. THIS WORK INCLUDES ANY UPGRADES TO THE CONNECTIONS TO MOUNTS/POLES OR BRACKET ARMS THAT MAY BE REQUIRED TO MAKE THE CCTV IP-CAMERA SYSTEM FUNCTIONAL LOCALLY AND TO THE EXISTING CENTRAL CAMERA CONTROL SOFTWARE.

2. MAKE POWER AND COMMUNICATION CONNECTIONS.

THE WORK AS DESCRIBED WILL BE MEASURED AS ONE UNIT FOR EACH OF THE INSTALLATIONS SPECIFIED, AND SHALL INCLUDE ALL MATERIALS, EQUIPMENT AND INCIDENTALS, COMPLETE IN PLACE. TERMINATIONS, CONNECTIONS, AND OTHER MISCELLANEOUS ITEMS AND MATERIALS SHALL BE INCIDENTAL TO THIS WORK AND NO SEPARATE PAYMENT WILL BE MADE.

PAYMENT SHALL BE FOR COMPLETE CAMERA OPERATIONAL ASSEMBLY WITH CONNECTION TO THE TRAFFIC MANAGEMENT CENTER. SOFTWARE LICENSES FOR EACH CAMERA SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.

THE ENGINEER SHALL PROVIDE FINAL ACCEPTANCE OF THIS ITEM BEFORE PAYMENT TO CONTRACTOR IS PROCESSED. 9/16/15

SHEET NO.	LOCATION	STATION		SIDE	ITEM DESCRIPTION																											
		FROM	TO		625	625	632	632	632	625	625	625	625	632	632	632	632	632	633	633	633	633	633	1620	1620	1620	1620					
					EACH	LF	EACH	LF	EACH	LF	LF	LF	LF	EACH	LF	LF	LUMP	LUMP	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	EACH					
447	☒ HUDSON ST	19+15	27+50	RT/LT	2	904					832	72																				
448	☒ HUDSON ST	27+50	37+00	LT	3	952					951																					
449	☒ HUDSON ST	37+00	47+00	LT	2	1001					1001																					
450	☒ HUDSON ST	47+00	56+00	LT	2	942	1		1		819			39	39	1	80					1	2	1	156	74	1019	1				
451	☒ HUDSON ST	56+00	67+00	LT	2	1100					1100					1						1	2	1	24		1300					
452	☒ HUDSON ST	67+00	77+50	LT	2	1050					1050																	1150				
453	☒ HUDSON ST	77+50	87+50	LT/RT	1	1000		78			1000					1					2	1			24	130	210	1				
454	☒ HUDSON ST	87+50	165+44	LT/RT	2	465		32	1		421			4											132		797					
TOTALS CARRIED TO GENERAL SUMMARY					16	7414	1	110	2		7174	72		43	39	3	80	140	LUMP	LUMP	2	1	3	6	3	492	286	7732	2			

INTERCONNECT INSTALLATION  
 SUB SUMMARY

HUDSON ST

CALCULATED  
 JSW  
 CHECKED  
 EMS



0 20 40  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
JWS  
CHECKED  
EMS

TRAFFIC SIGNAL INTERCONNECT PLAN  
BEGIN PROJECT TO STA 27+50

HUDSON ST

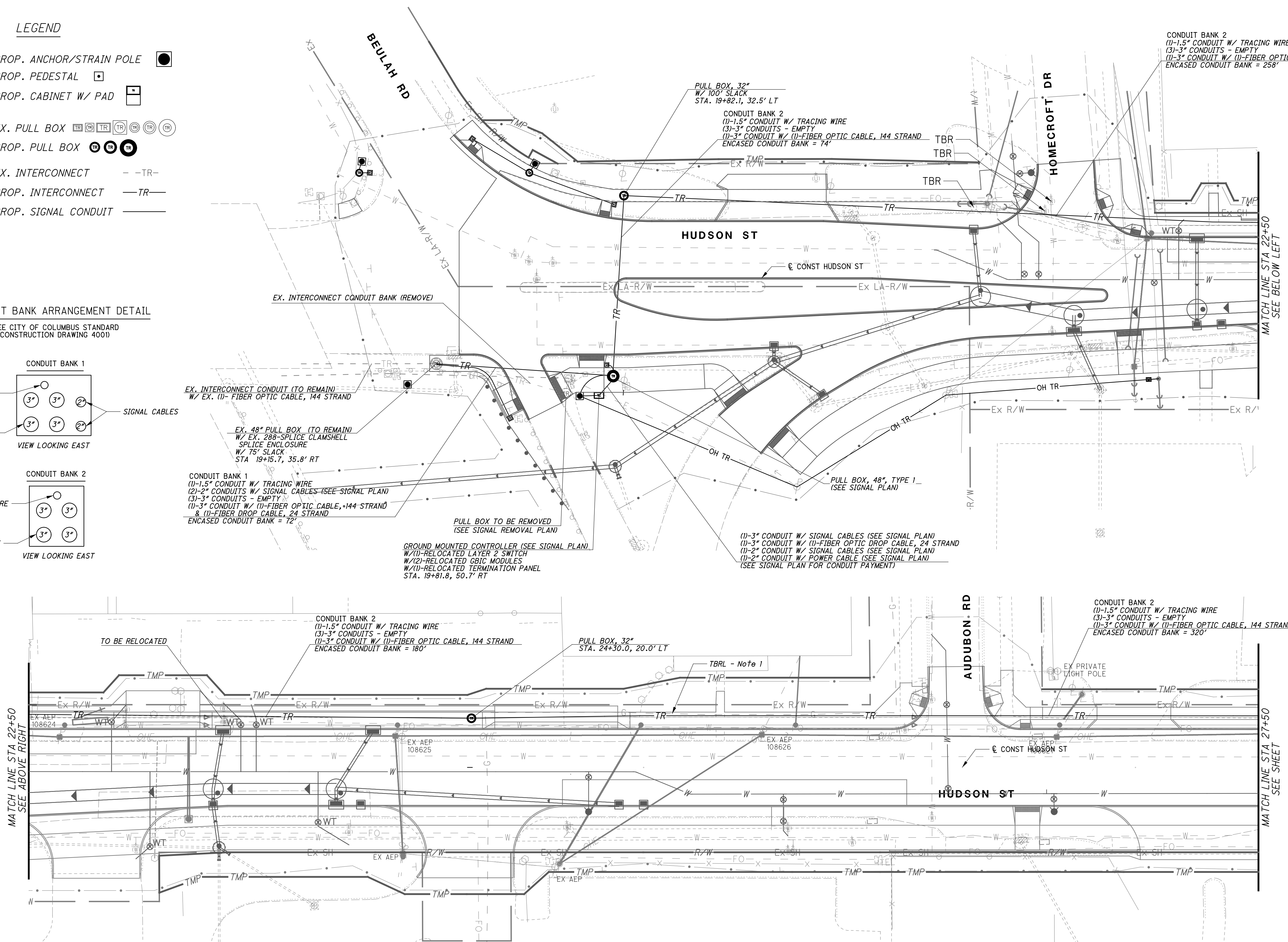
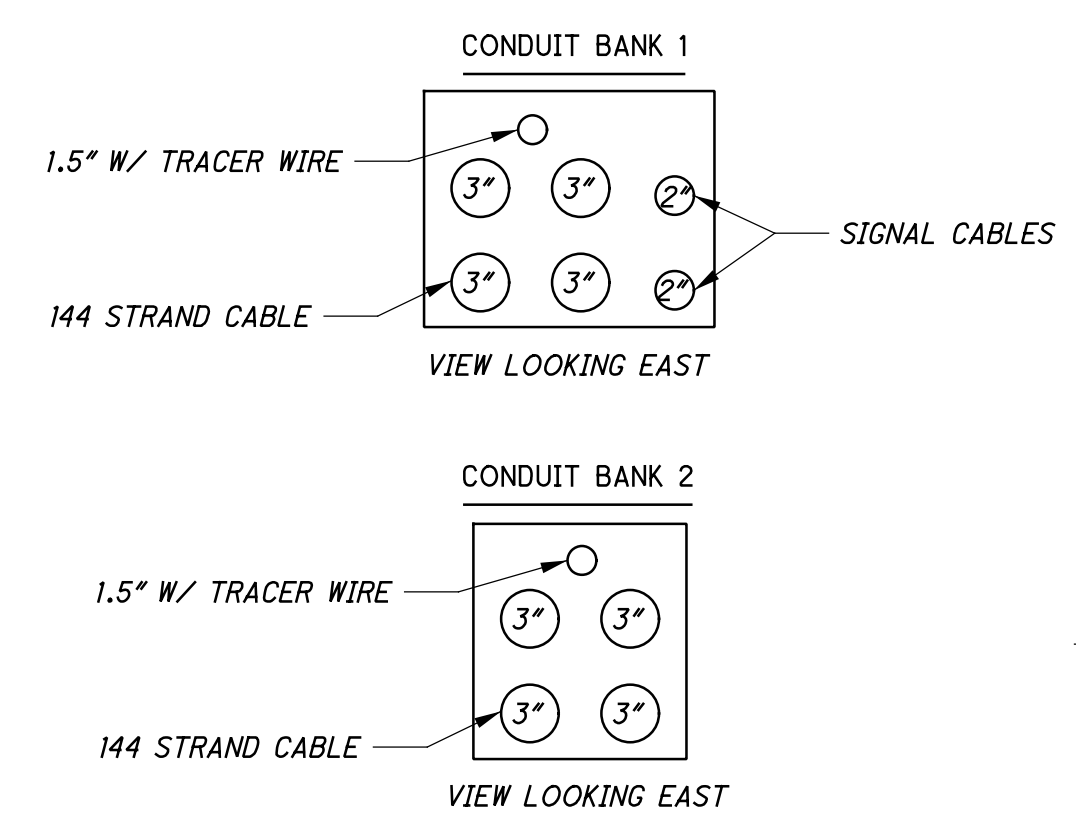
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LEGEND

- SIGNAL POLES: PROP. ANCHOR/STRAIN POLE
- PROP. PEDESTAL
- CONTROLLERS & CABINETS: PROP. CABINET W/ PAD
- PULL BOXES: EX. PULL BOX
- PROP. PULL BOX
- CONDUIT: EX. INTERCONNECT
- PROP. INTERCONNECT
- PROP. SIGNAL CONDUIT

CONDUIT BANK ARRANGEMENT DETAIL

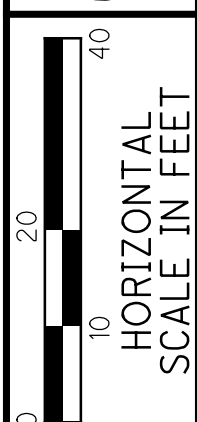
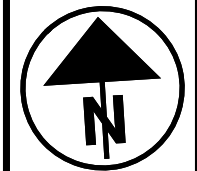
(SEE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 4001)



NOTE 1 - FOR REMOVAL OR ABANDONMENT OF EXISTING UTILITIES SEE REMOVAL PLANS. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER LINE ABANDONMENT. PROPOSED GAS MAIN PLANS TO BE PROVIDED BY COLUMBIA GAS. REMOVE EXISTING WATER MAIN AND GAS MAIN WHERE IN CONFLICT WITH PROPOSED INTERCONNECT DUCT BANK AND/OR PULL BOXES. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE INTERCONNECT CONDUIT BANK. NO SEPARATE PAYMENT SHALL BE MADE.

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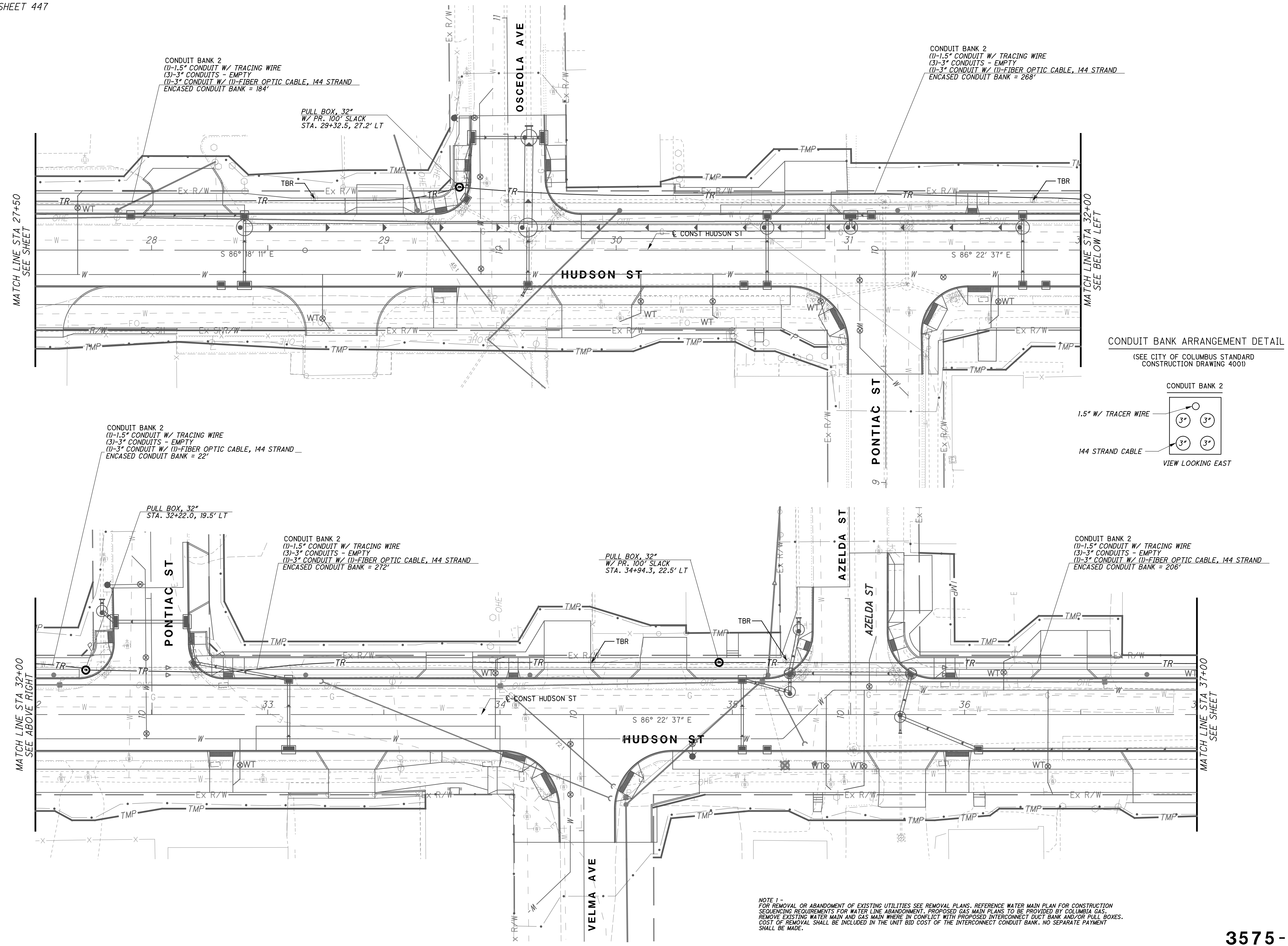
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CALCULATED  
JWS  
CHECKED  
EMS

TRAFFIC SIGNAL INTERCONNECT PLAN  
STA 27+50 TO STA 37+00

HUDSON ST



CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 22'

PULL BOX, 32"  
STA. 32+22.0, 19.5' LT

CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 272'

PULL BOX, 32"  
W/ PR. 100' SLACK  
STA. 34+94.3, 22.5' LT

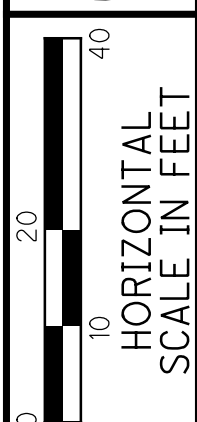
CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 206'

NOTE 1 -  
FOR REMOVAL OR ABANDONMENT OF EXISTING UTILITIES SEE REMOVAL PLANS. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER LINE ABANDONMENT. PROPOSED GAS MAIN PLANS TO BE PROVIDED BY COLUMBIA GAS. REMOVE EXISTING WATER MAIN AND GAS MAIN WHERE IN CONFLICT WITH PROPOSED INTERCONNECT DUCT BANK AND/OR PULL BOXES. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE INTERCONNECT CONDUIT BANK. NO SEPARATE PAYMENT SHALL BE MADE.

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FOR LEGEND SEE SHEET 447



CALCULATED  
JWS  
CHECKED  
EMS

TRAFFIC SIGNAL INTERCONNECT PLAN  
STA 37+00 TO STA 47+00

HUDSON ST

449  
535

CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 110'

PULL BOX, 32"  
STA. 38+10.0, 22.0' LT

CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 44'

CONTRACTOR SHALL VERIFY DOWN GUY  
WILL NOT OBSTRUCT PATH OF CONDUIT  
BANK AND SHALL RELOCATE IF NECESSARY

MATCH LINE STA 37+00  
SEE SHEET

MATCH LINE STA 42+50  
SEE BELOW LEFT

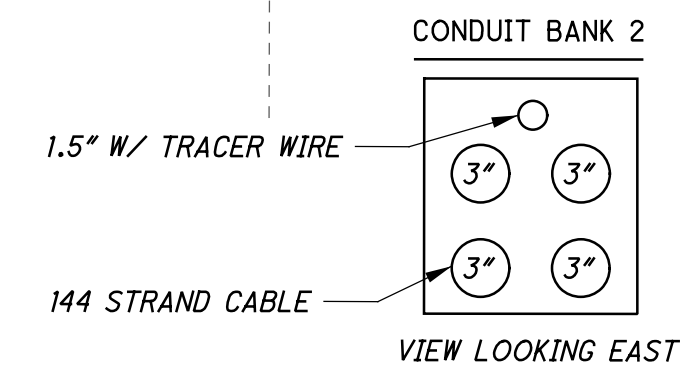
CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 60'

PULL BOX, 32"  
W/ PR. 100' SLACK  
STA. 43+10.0, 20.5' LT

CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 390'

CONDUIT BANK ARRANGEMENT DETAIL

(SEE CITY OF COLUMBUS STANDARD  
CONSTRUCTION DRAWING 4001)



MATCH LINE STA 42+50  
SEE ABOVE RIGHT

MATCH LINE STA 47+00  
SEE SHEET

NOTE 1 -  
FOR REMOVAL OR ABANDONMENT OF EXISTING UTILITIES SEE REMOVAL PLANS. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION  
SEQUENCING REQUIREMENTS FOR WATER LINE ABANDONMENT. PROPOSED GAS MAIN PLANS TO BE PROVIDED BY COLUMBIA GAS.  
REMOVE EXISTING WATER MAIN AND GAS MAIN WHERE IN CONFLICT WITH PROPOSED INTERCONNECT DUCT BANK AND/OR PULL BOXES.  
COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE INTERCONNECT CONDUIT BANK. NO SEPARATE PAYMENT  
SHALL BE MADE.

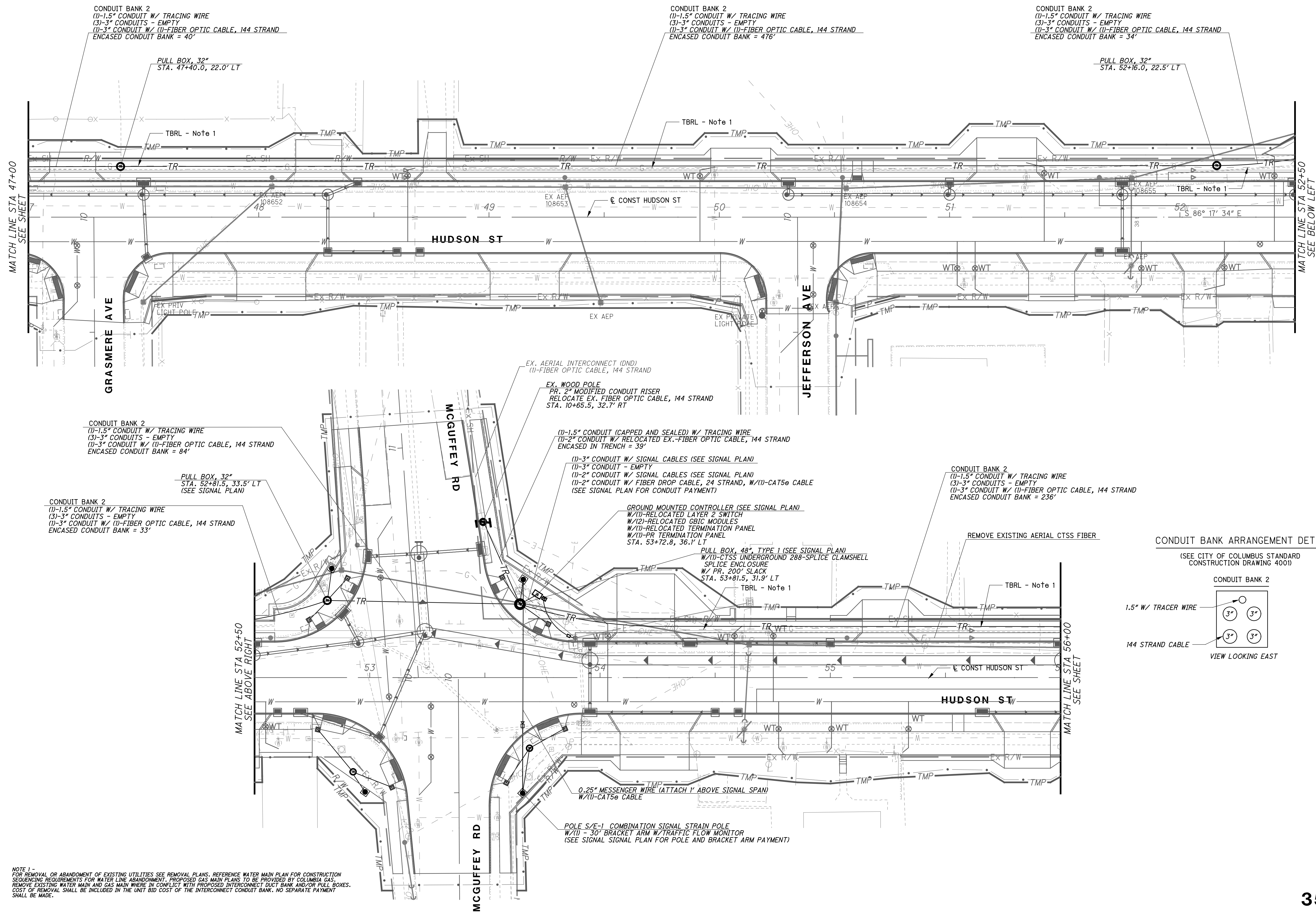
3575-E

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FOR LEGEND SEE SHEET 447

CALCULATED  
JWS  
CHECKED  
EMS

0 10 20 40  
HORIZONTAL  
SCALE IN FEET



NOTE 1 -  
FOR REMOVAL OR ABANDONMENT OF EXISTING UTILITIES SEE REMOVAL PLANS. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER LINE ABANDONMENT. PROPOSED GAS MAIN PLANS TO BE PROVIDED BY COLUMBIA GAS. REMOVE EXISTING WATER MAIN AND GAS MAIN WHERE IN CONFLICT WITH PROPOSED INTERCONNECT DUCT BANK AND/OR PULL BOXES. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE INTERCONNECT CONDUIT BANK. NO SEPARATE PAYMENT SHALL BE MADE.

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TRAFFIC SIGNAL INTERCONNECT PLAN  
 STA 47+00 TO STA 56+00

HUDSON ST

450  
535

3575-E

FOR LEGEND SEE SHEET 447



0 20 40  
HORIZONTAL SCALE IN FEET

CALCULATED  
JWS  
CHECKED  
EMS

TRAFFIC SIGNAL INTERCONNECT PLAN  
STA 56+00 TO STA 67+00

HUDSON ST

451  
535

CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 76'

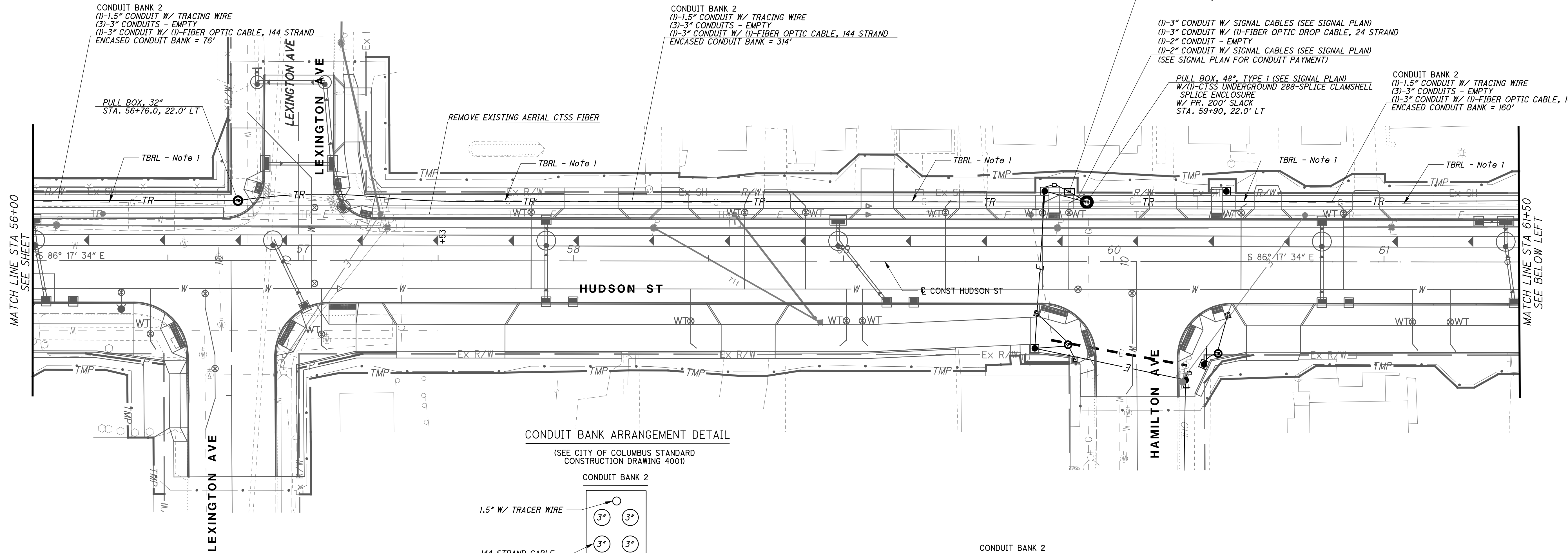
CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 314'

GROUND MOUNTED CONTROLLER (SEE SIGNAL PLAN)  
W/ (1)-RELOCATED LAYER 2 SWITCH  
W/ (2)-RELOCATED GBIC MODULES  
W/ (1)-RELOCATED TERMINATION PANEL  
STA. 59+83.5, 25.8' LT

(1)-3" CONDUIT W/ SIGNAL CABLES (SEE SIGNAL PLAN)  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC DROP CABLE, 24 STRAND  
(1)-2" CONDUIT - EMPTY  
(1)-2" CONDUIT W/ SIGNAL CABLES (SEE SIGNAL PLAN)  
(SEE SIGNAL PLAN FOR CONDUIT PAYMENT)

PULL BOX, 48" TYPE 1 (SEE SIGNAL PLAN)  
W/ (1)-CTSS UNDERGROUND 288-SPLICE CLAMSHELL  
SPLICE ENCLOSURE  
W/ PR: 200' SLACK  
STA. 59+90, 22.0' LT

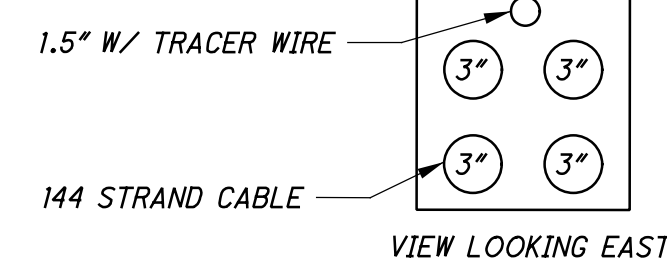
CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 160'



CONDUIT BANK ARRANGEMENT DETAIL

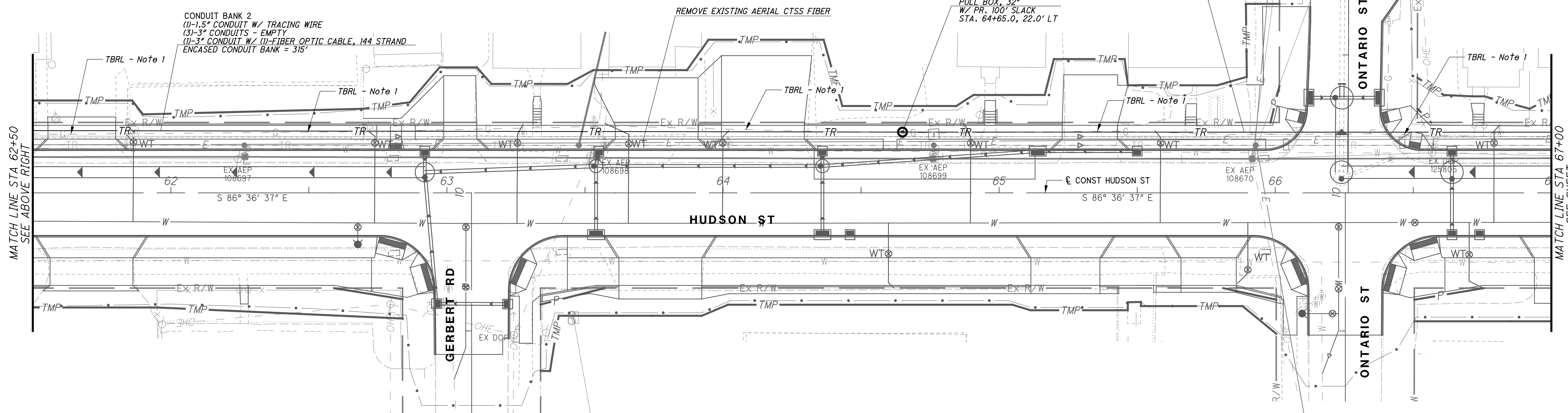
(SEE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 4001)

CONDUIT BANK 2



CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 235'

CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 315'

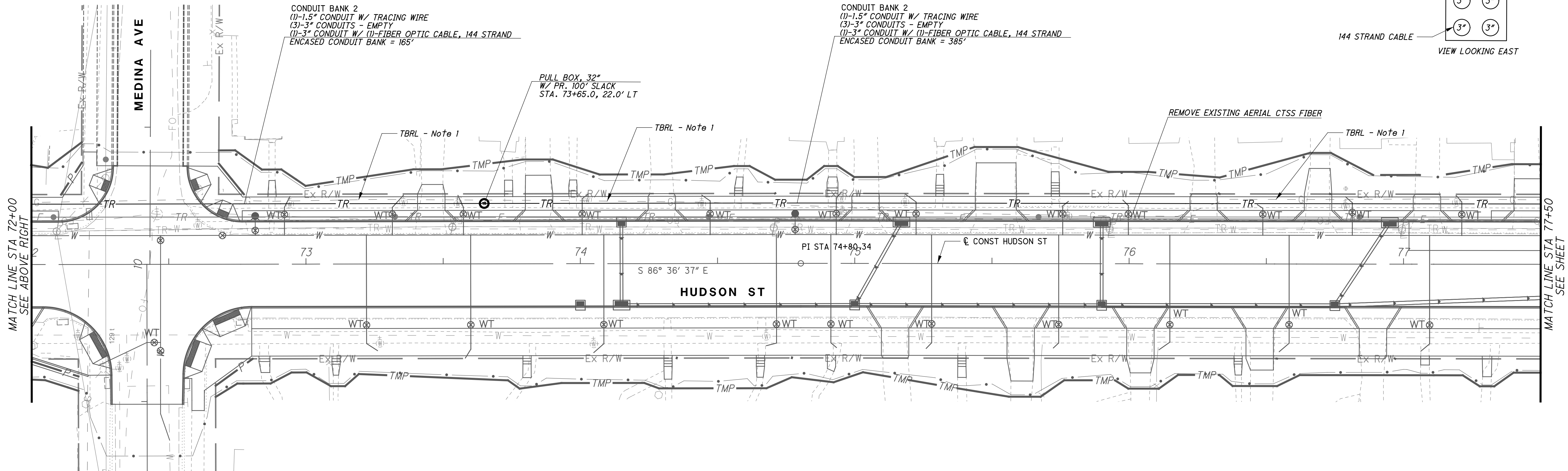
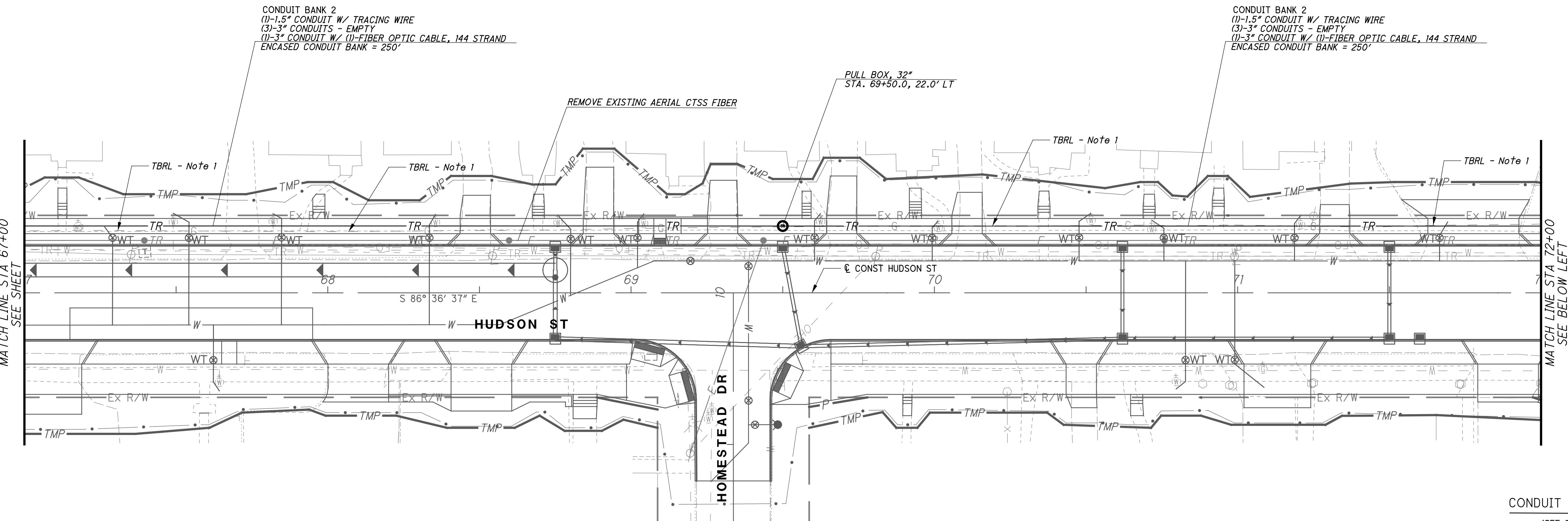


NOTE 1 - FOR REMOVAL OR ABANDONMENT OF EXISTING UTILITIES SEE REMOVAL PLANS. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER LINE ABANDONMENT. PROPOSED GAS MAIN PLANS TO BE PROVIDED BY COLUMBIA GAS. REMOVE EXISTING WATER MAIN AND GAS MAIN WHERE IN CONFLICT WITH PROPOSED INTERCONNECT DUCT BANK AND/OR PULL BOXES. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE INTERCONNECT CONDUIT BANK. NO SEPARATE PAYMENT SHALL BE MADE.

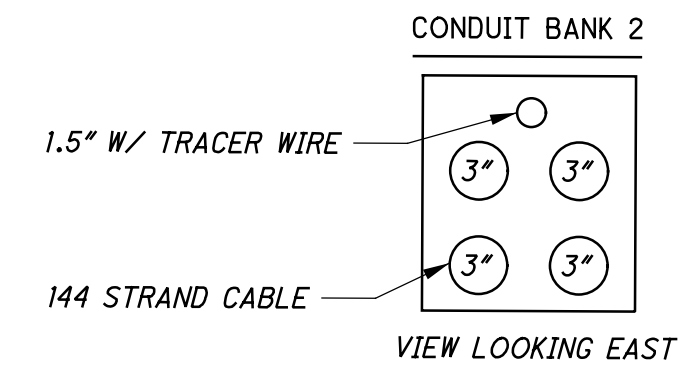
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FOR LEGEND SEE SHEET 447



CONDUIT BANK ARRANGEMENT DETAIL  
 (SEE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 4001)



NOTE 1 -  
 FOR REMOVAL OR ABANDONMENT OF EXISTING UTILITIES SEE REMOVAL PLANS. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER LINE ABANDONMENT. PROPOSED GAS MAIN PLANS TO BE PROVIDED BY COLUMBIA GAS. REMOVE EXISTING WATER MAIN AND GAS MAIN WHERE IN CONFLICT WITH PROPOSED INTERCONNECT DUCT BANK AND/OR PULL BOXES. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE INTERCONNECT CONDUIT BANK. NO SEPARATE PAYMENT SHALL BE MADE.

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CALCULATED  
 JSW  
 CHECKED  
 EMS

0 10 20 40  
 HORIZONTAL  
 SCALE IN FEET

**TRAFFIC SIGNAL INTERCONNECT PLAN**  
**STA 67+00 TO STA 77+50**

**HUDSON ST**

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FOR LEGEND SEE SHEET 447

CALCULATED  
JWS  
CHECKED  
EMS

0 20 40  
HORIZONTAL  
SCALE IN FEET

(1)-2" CONDUIT W/ SIGNAL CABLES (SEE SIGNAL PLAN)  
(1)-3" CONDUIT W/SIGNAL CABLES (SEE SIGNAL PLAN)  
AND (1)-FIBER OPTIC DROP CABLE, 24 STRAND  
(SEE SIGNAL PLAN FOR CONDUIT PAYMENT)

PULL BOX, 32" (SEE SIGNAL PLAN)  
W/ (1)-CTSS UNDERGROUND 288-SPLICE CLAMSHELL  
SPLICE ENCLOSURE  
W/ PR. 100' SLACK  
STA. 78+39.4, 24.2' LT

CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 90'

CONDUIT BANK 1  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 40'

PULL BOX, 32" (SEE SIGNAL PLAN)  
STA. 78+80.9, 24.6' LT

CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 370'

REMOVE EXISTING AERIAL CTSS FIBER

MATCH LINE STA 77+50  
SEE SHEET

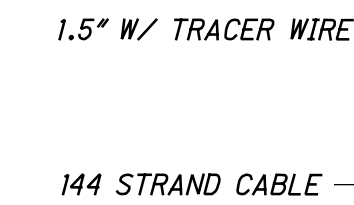
MATCH LINE STA 82+50  
SEE BELOW LEFT

PR OVERHEAD MESSENGER WIRE .25"  
W/ (1)-FIBER OPTIC DROP CABLE, 24 STRAND  
ATTACH 1' ABOVE SIGNAL SPAN

CONDUIT BANK ARRANGEMENT DETAIL

(SEE CITY OF COLUMBUS STANDARD  
CONSTRUCTION DRAWING 4001)

CONDUIT BANK 2



(1)-3" CONDUIT W/ SIGNAL CABLES (SEE SIGNAL PLAN)  
AND W/ (1)-FIBER OPTIC DROP CABLE, 24 STRAND  
(1)-3" CONDUIT W/ SIGNAL CABLES (SEE SIGNAL PLAN)  
(SEE SIGNAL PLAN FOR CONDUIT PAYMENT)

PULL BOX, 32" (SEE SIGNAL PLAN)  
STA. 78+41.6, 44.8' RT

(1)-3" CONDUIT W/ SIGNAL CABLES (SEE SIGNAL PLAN)  
(1)-3" - EMPTY  
(1)-2" CONDUIT W/ SIGNAL CABLES (SEE SIGNAL PLAN)  
(1)-2" CONDUIT W/ FIBER DROP CABLE, 24 STRAND  
(SEE SIGNAL PLAN FOR CONDUIT PAYMENT)

GROUND MOUNTED CONTROLLER (SEE SIGNAL PLAN)  
W/ (1)-PR. LAYER 2 SWITCH  
W/ (2)-PR. GBIC MODULES  
W/ (1)-PR. TERMINATION PANEL  
STA. 78+41.6, 46.0' RT

CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 65'

PULL BOX, 32"  
W/ PR. 100' SLACK  
STA. 83+15.0, 22.0' LT

CONDUIT BANK 2  
(1)-1.5" CONDUIT W/ TRACING WIRE  
(3)-3" CONDUITS - EMPTY  
(1)-3" CONDUIT W/ (1)-FIBER OPTIC CABLE, 144 STRAND  
ENCASED CONDUIT BANK = 435'

REMOVE EXISTING AERIAL CTSS FIBER

MATCH LINE STA 82+50  
SEE ABOVE RIGHT

MATCH LINE STA 87+50  
SEE SHEET

NOTE 1 -  
FOR REMOVAL OR ABANDONMENT OF EXISTING UTILITIES SEE REMOVAL PLANS. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION  
SEQUENCING REQUIREMENTS FOR WATER LINE ABANDONMENT. PROPOSED GAS MAIN PLANS TO BE PROVIDED BY COLUMBIA GAS.  
REMOVE EXISTING WATER MAIN AND GAS MAIN WHERE IN CONFLICT WITH PROPOSED INTERCONNECT DUCT BANK AND/OR PULL BOXES.  
COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE INTERCONNECT CONDUIT BANK. NO SEPARATE PAYMENT  
SHALL BE MADE.

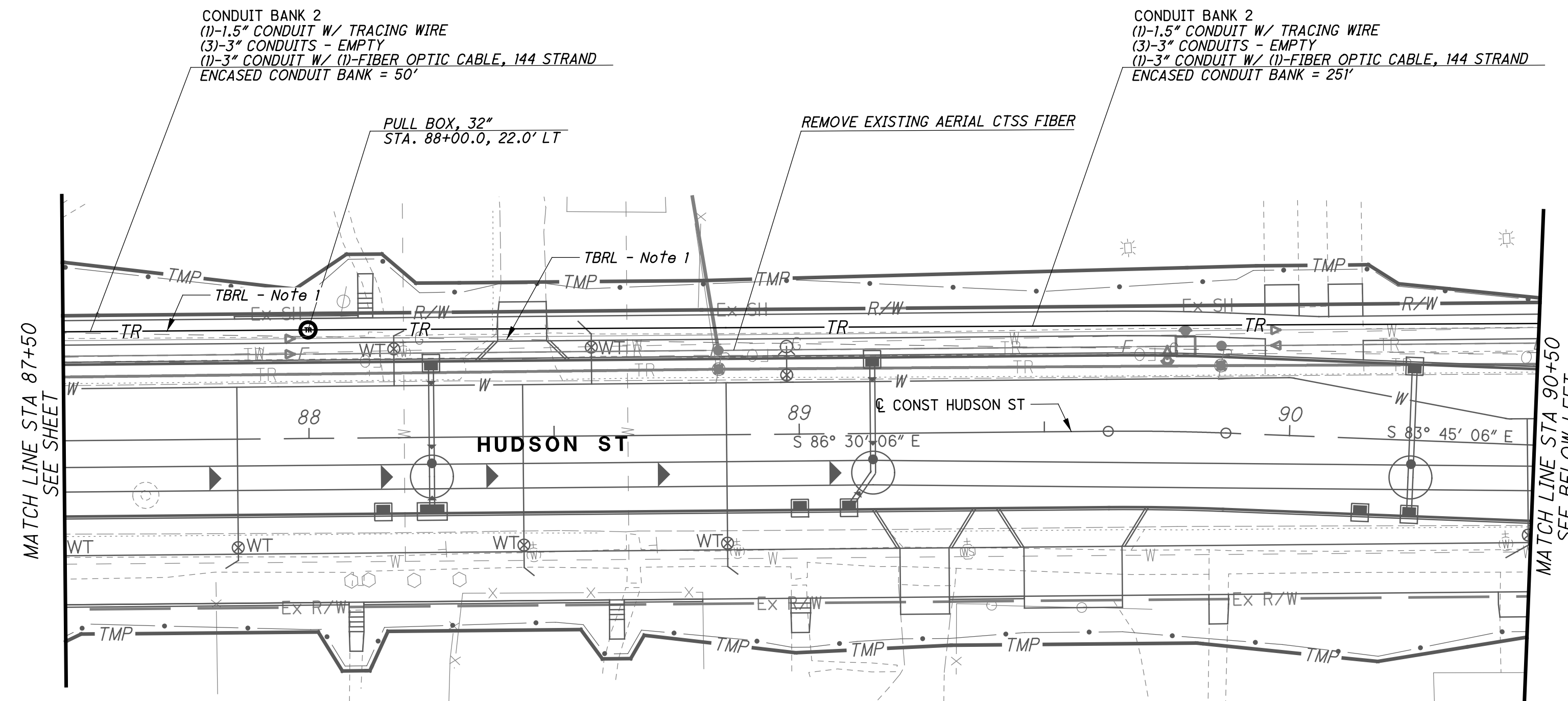
3575-E

TRAFFIC SIGNAL INTERCONNECT PLAN  
STA 77+50 TO STA 87+50

HUDSON ST

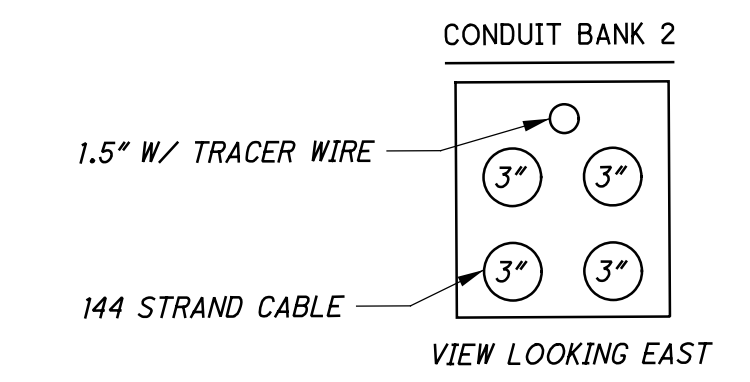
453  
535

FOR LEGEND SEE SHEET 447



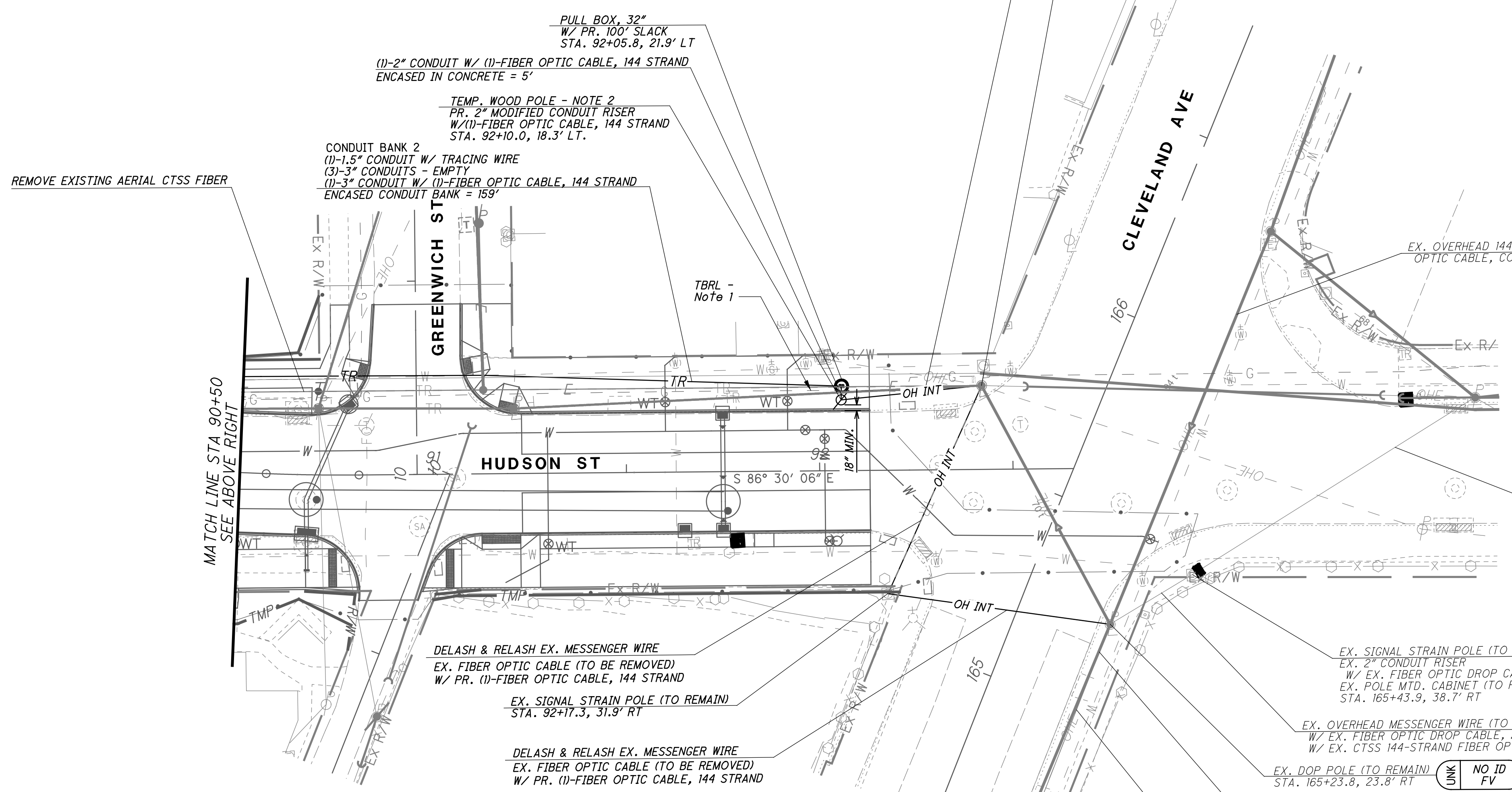
CONDUIT BANK ARRANGEMENT DETAIL

(SEE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 4001)



MATCH LINE STA 87+50  
SEE SHEET

MATCH LINE STA 90+50  
SEE BELOW LEFT



NOTE 1 -  
FOR REMOVAL OR ABANDONMENT OF EXISTING UTILITIES SEE REMOVAL PLANS. REFERENCE WATER MAIN PLAN FOR CONSTRUCTION SEQUENCING REQUIREMENTS FOR WATER LINE ABANDONMENT. PROPOSED GAS MAIN PLANS TO BE PROVIDED BY COLUMBIA GAS. REMOVE EXISTING WATER MAIN AND GAS MAIN WHERE IN CONFLICT WITH PROPOSED INTERCONNECT DUCT BANK AND/OR PULL BOXES. COST OF REMOVAL SHALL BE INCLUDED IN THE UNIT BID COST OF THE INTERCONNECT CONDUIT BANK. NO SEPARATE PAYMENT SHALL BE MADE.

NOTE 2 -  
TEMPORARY WOOD POLE IS INTENDED TO BE REMOVED BY FUTURE PROJECT.



TRAFFIC SIGNAL INTERCONNECT PLAN  
STA 87+50 TO STA 92+65

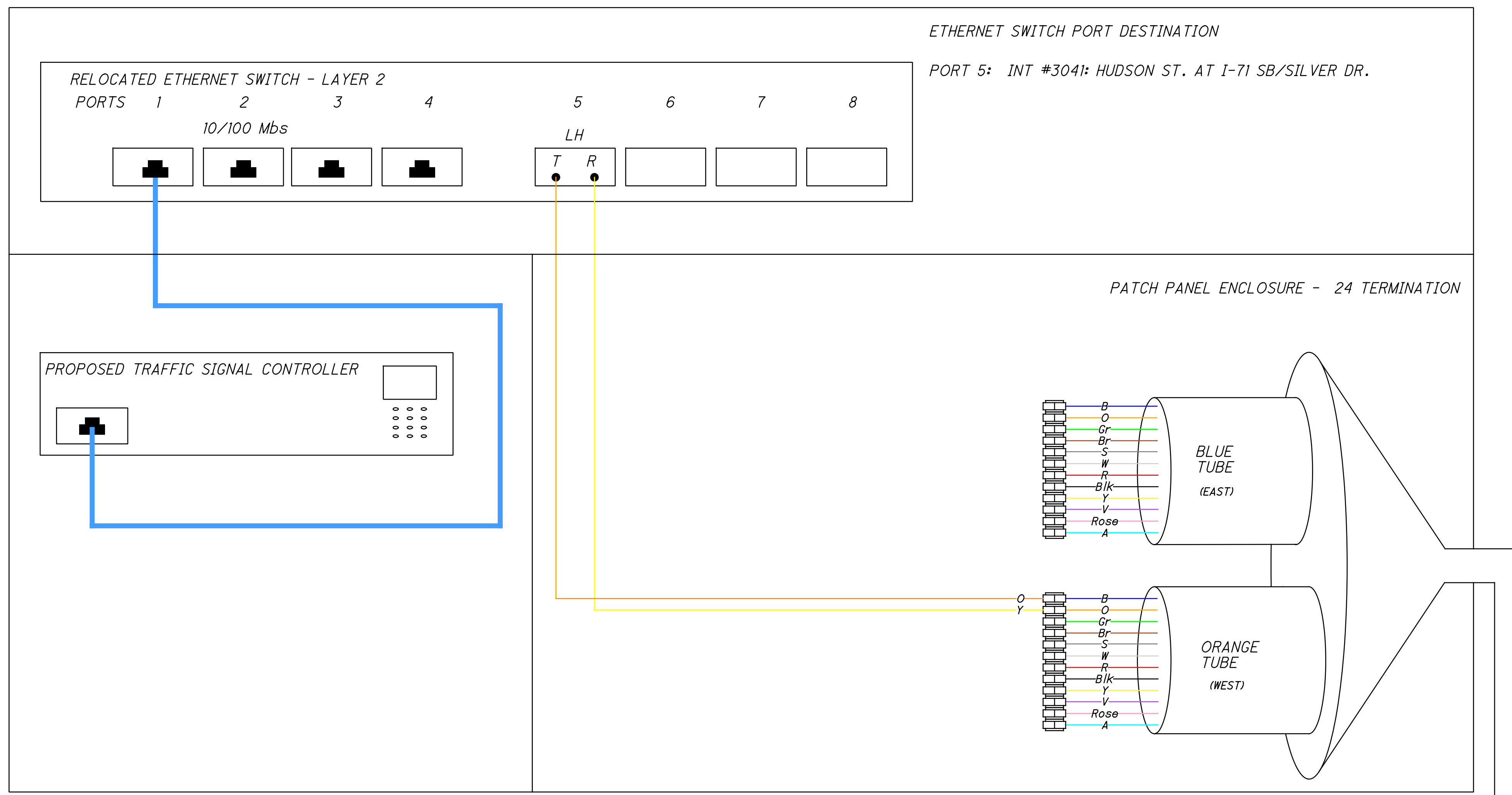
HUDSON ST

454  
535

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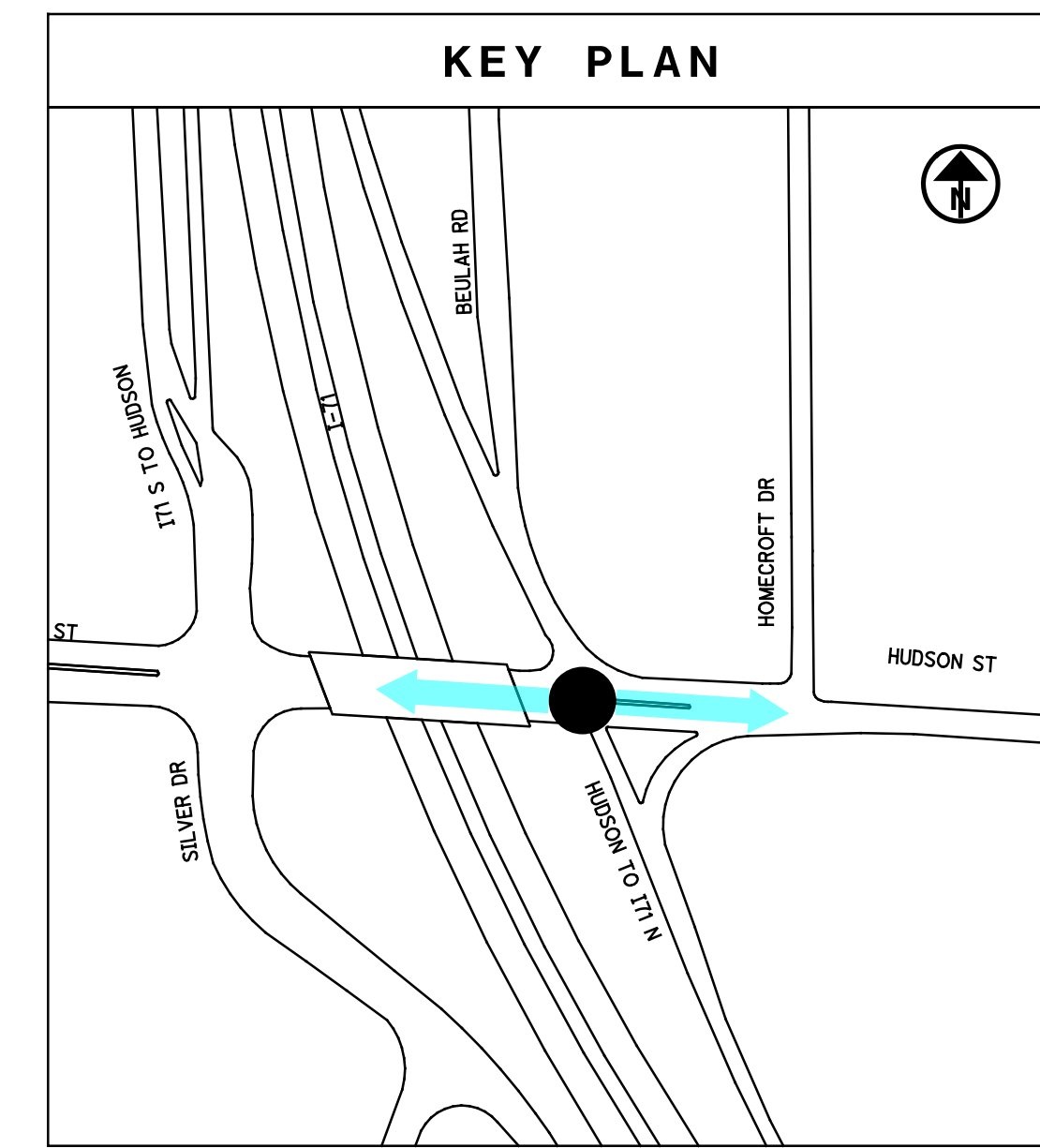
3575-E

**TRAFFIC SIGNAL CABINET ASSEMBLY**

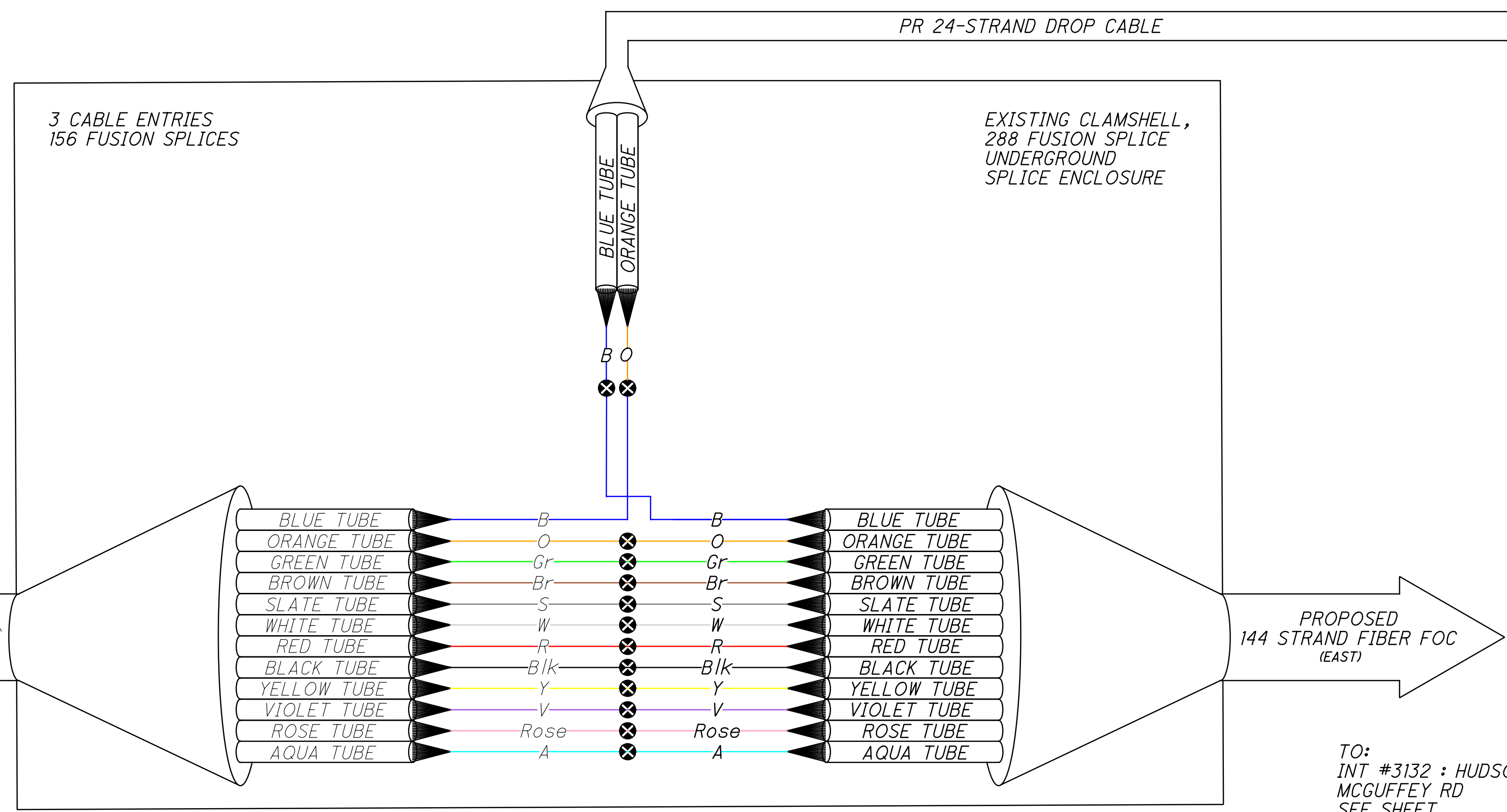


**LEGEND**

- O FIBER PATCH CABLES
- Y T/R STRAND
- R FIBER PATCH CABLES
- Br R/T CROSSOVER
- CAT 5E CABLE
- PATCH PANEL
- LH GBIC OPTICAL TRANSCEIVER  
 LH - SHORT HAUL LED  
 ZX - LONG HAUL LASER
- FUSION SPLICE - 12 FIBER BUFFER TUBE
- 8P8C CONNECTOR
- 144 STRAND SMF
- INTERSECTION W/ CONTROL CABINET AND SPLICE ENCLOSURE



NOTE:  
 LINK BETWEEN INT #3042 I-71 NB RAMP AND INT #3132 MCGUFFEY RD SHALL REMAIN DARK.  
 RESERVED FOR FUTURE CONNECTIONS.



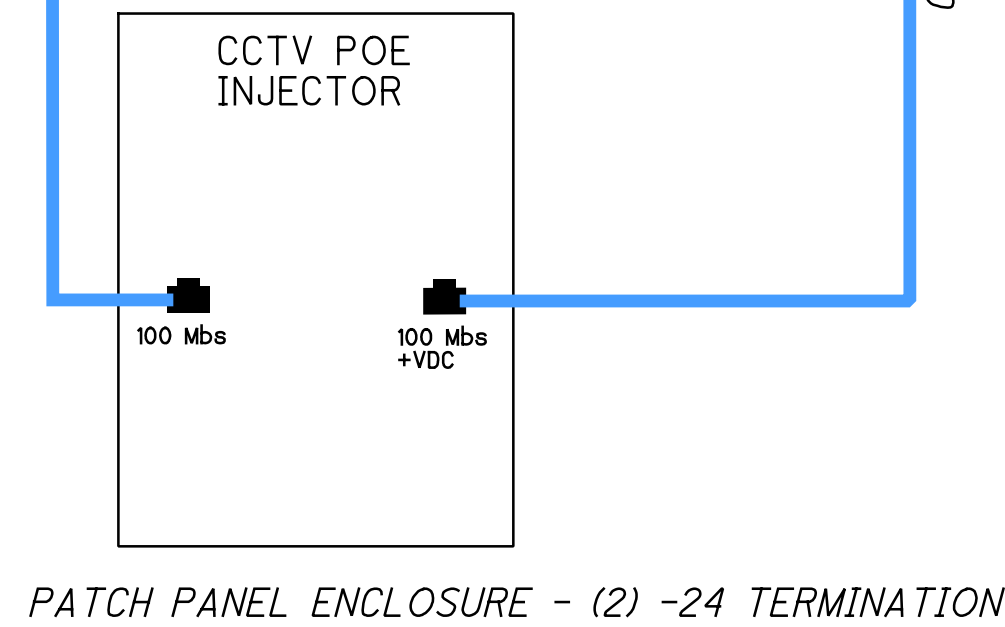
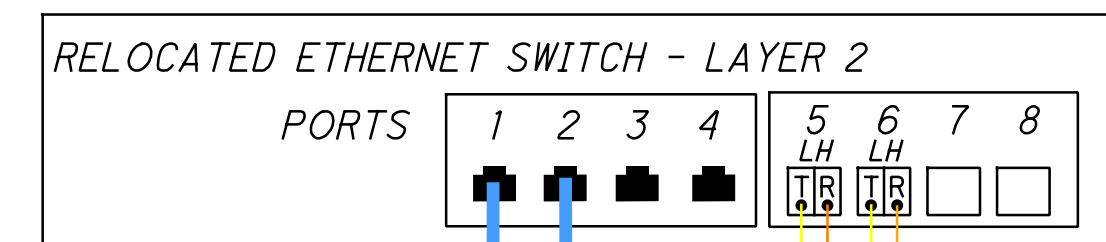
TO:  
 INT # 3041: HUDSON ST. AT  
 SILVER DR./I-71  
 SB OFF RAMP

TO:  
 INT #3132 : HUDSON ST. AT  
 MCGUFFEY RD  
 SEE SHEET

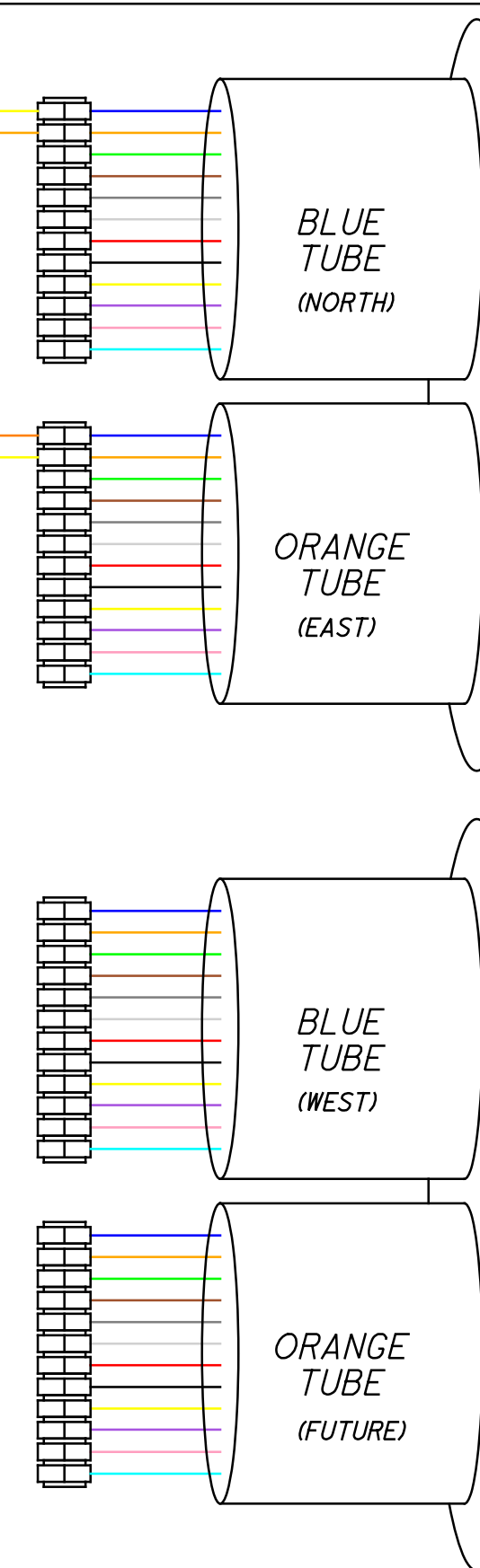
INTERSECTION # 3042  
 REFER TO SHEET 447 FOR CONSTRUCTION PLAN DETAILS

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**TRAFFIC SIGNAL CABINET ASSEMBLY**

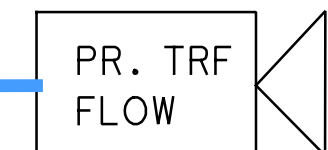


ETHERNET SWITCH PORT DESTINATION  
 PORT 5: INT #3133 HAMILTON AVE. AT HUDSON ST.  
 PORT 6: INT #3142: MCGUFFEY RD. AT WEBER RD.



PR 24-STRAND DROP CABLE

PR 24-STRAND DROP CABLE



INTERSECTION # 3032  
 REFER TO SHEET FOR CONSTRUCTION PLAN DETAILS

**LEGEND**

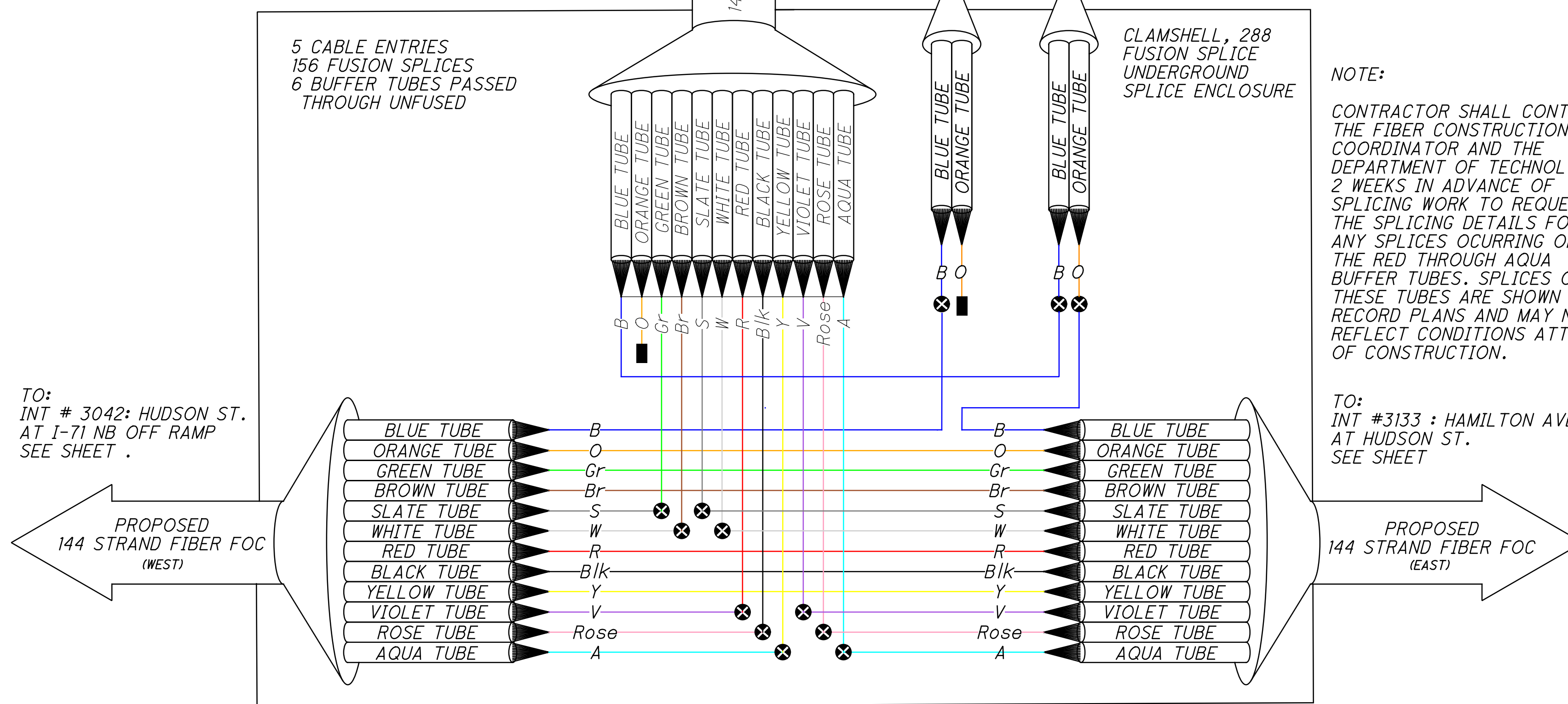
- FIBER PATCH CABLES
- T/R STRAND
- FIBER PATCH CABLES
- R/T CROSSOVER
- CAT 5E CABLE
- PATCH PANEL
- GBIC OPTICAL TRANSCEIVER  
 LH - SHORT HAUL LED  
 ZX - LONG HAUL LASER
- FUSION SPLICE - 12 FIBER BUFFER TUBE
- 8P8C CONNECTOR
- 144 STRAND SMF
- INTERSECTION W/ CONTROL CABINET AND SPLICE ENCLOSURE

**KEY PLAN**



NOTE:  
 LINK BETWEEN INT #3042 I-71 NB RAMP AND INT #3132 MCGUFFEY RD SHALL REMAIN DARK. RESERVED FOR FUTURE CONNECTIONS.

5 CABLE ENTRIES  
 156 FUSION SPLICES  
 6 BUFFER TUBES PASSED THROUGH UNFUSED



CLAMSHELL, 288 FUSION SPLICE UNDERGROUND SPLICE ENCLOSURE

NOTE:  
 CONTRACTOR SHALL CONTACT THE FIBER CONSTRUCTION COORDINATOR AND THE DEPARTMENT OF TECHNOLOGY 2 WEEKS IN ADVANCE OF SPLICING WORK TO REQUEST THE SPLICING DETAILS FOR ANY SPLICES OCCURRING ON THE RED THROUGH AQUA BUFFER TUBES. SPLICES ON THESE TUBES ARE SHOWN PER RECORD PLANS AND MAY NOT REFLECT CONDITIONS AT TIME OF CONSTRUCTION.

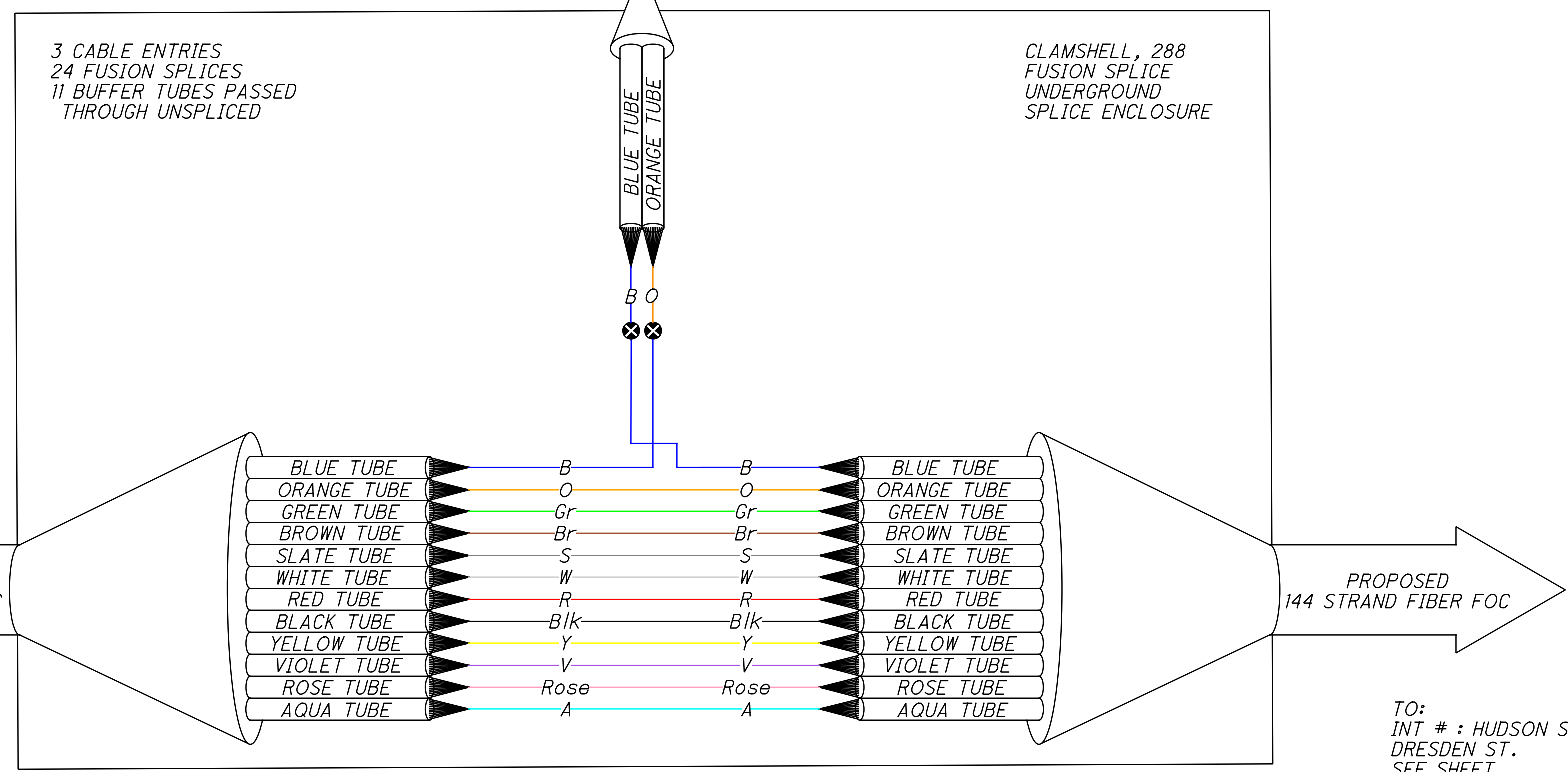
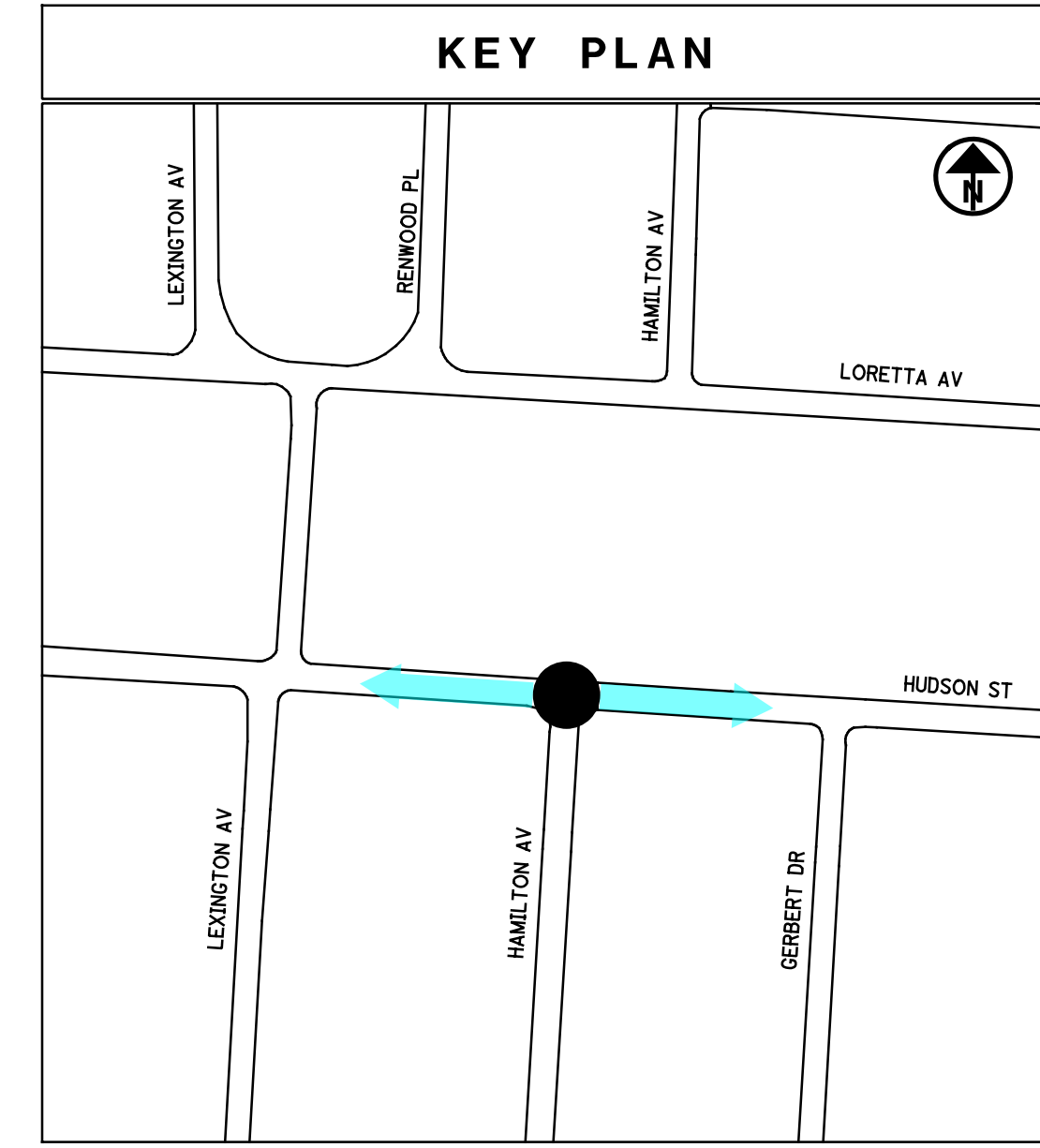
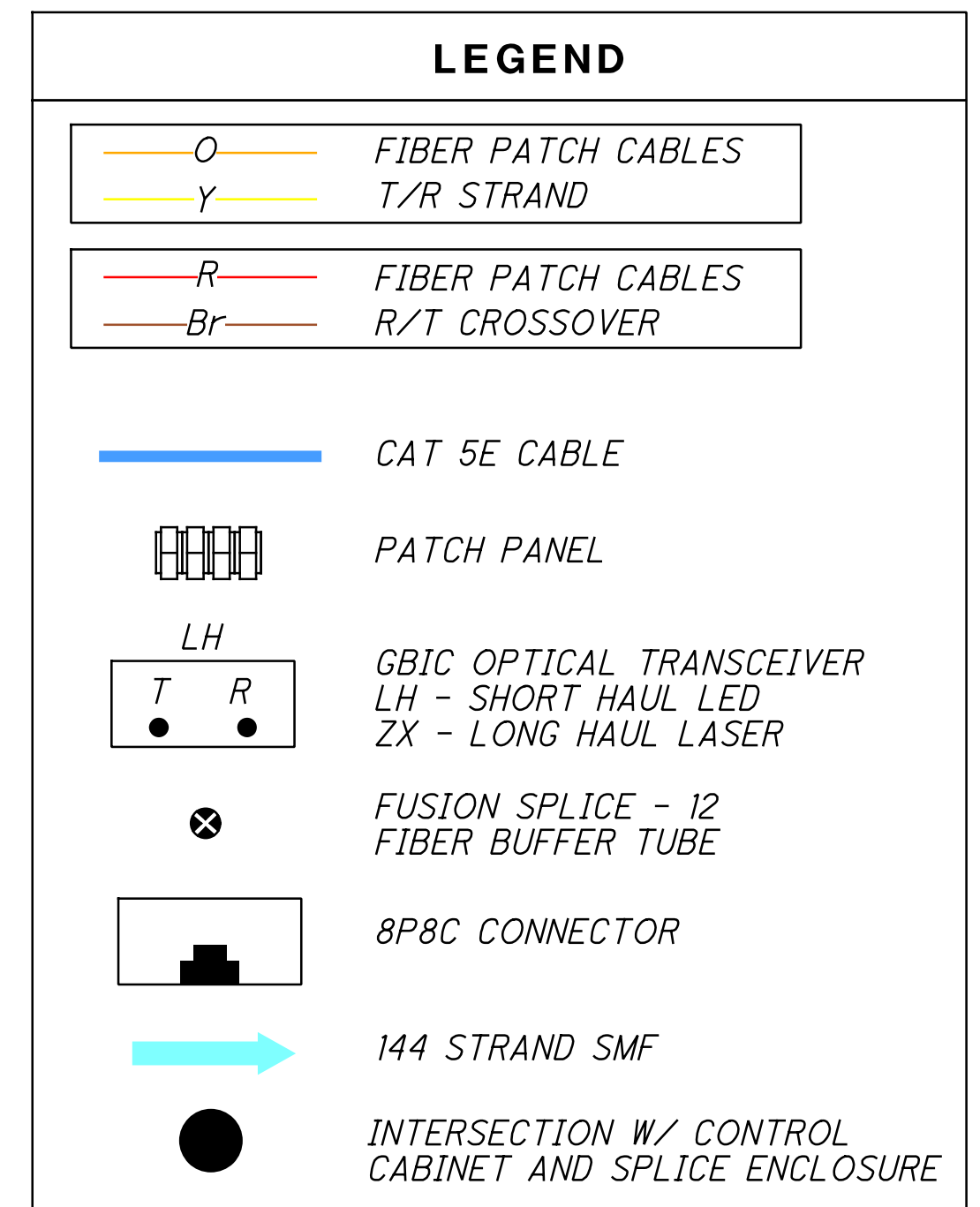
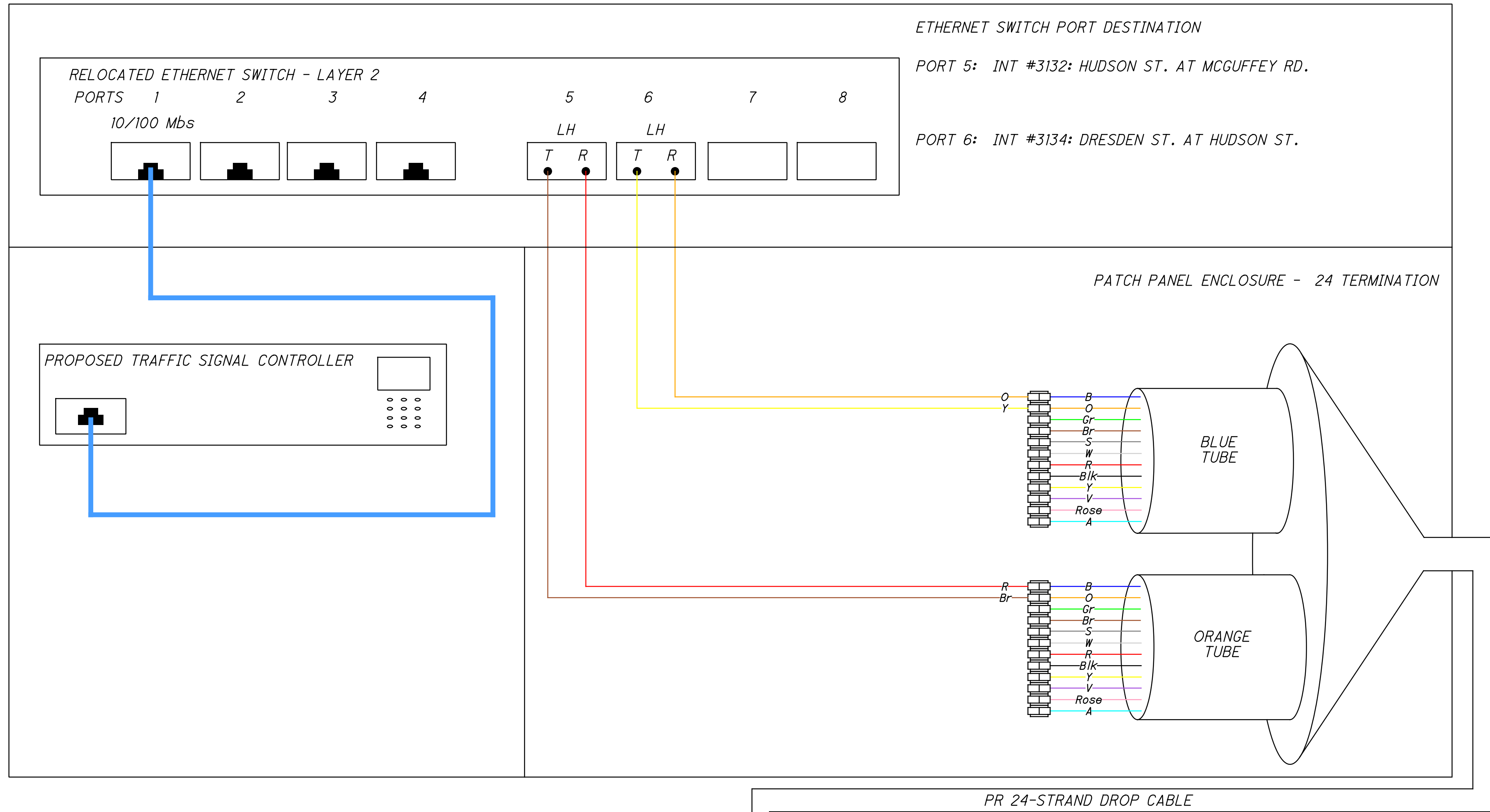
TO:  
 INT #3133 : HAMILTON AVE. AT HUDSON ST. SEE SHEET

TO:  
 INT # 3042: HUDSON ST. AT I-71 NB OFF RAMP SEE SHEET .

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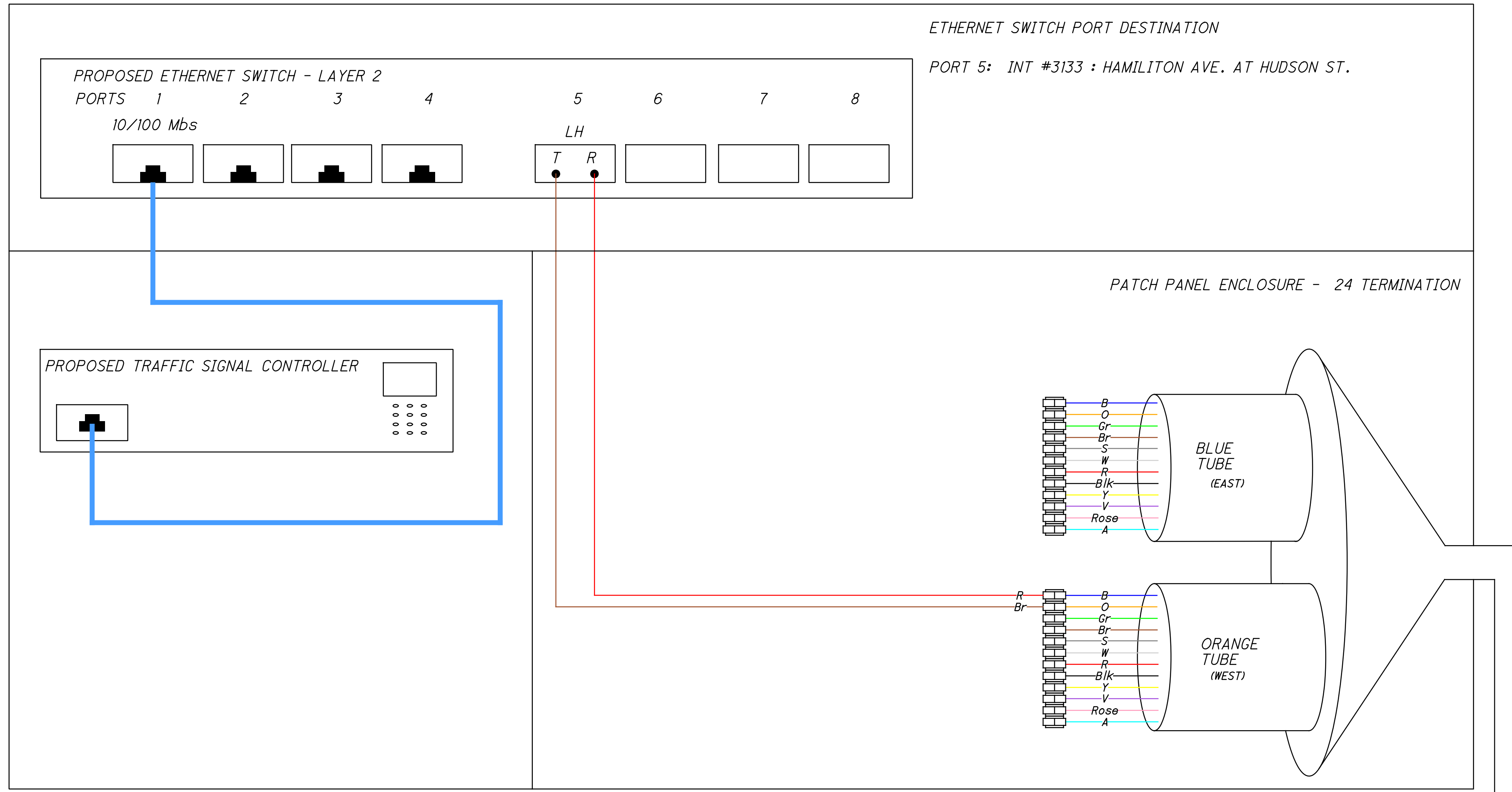
**TRAFFIC SIGNAL CABINET ASSEMBLY**



INTERSECTION # 3133  
 REFER TO SHEET 451 FOR CONSTRUCTION PLAN DETAILS

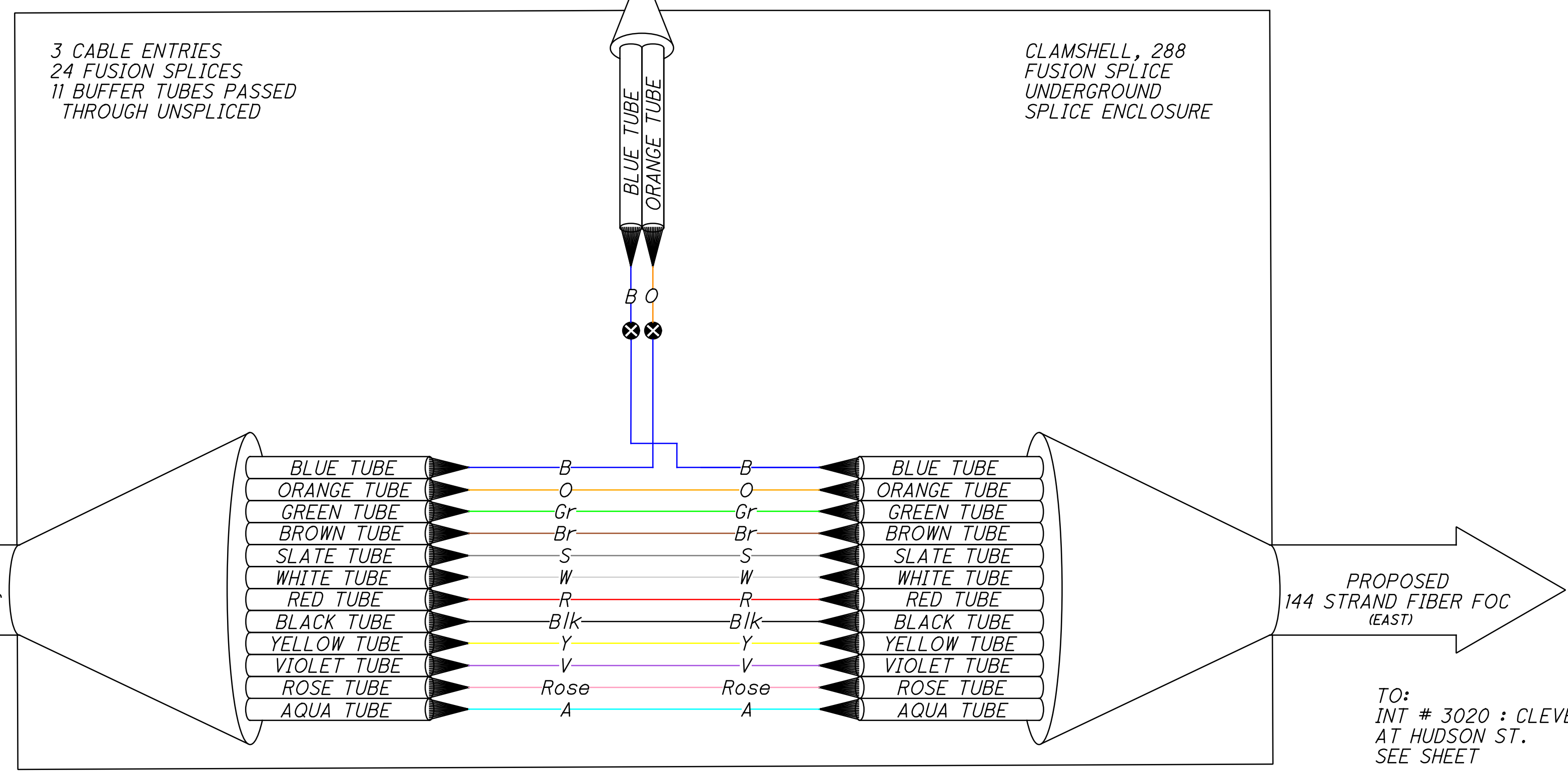
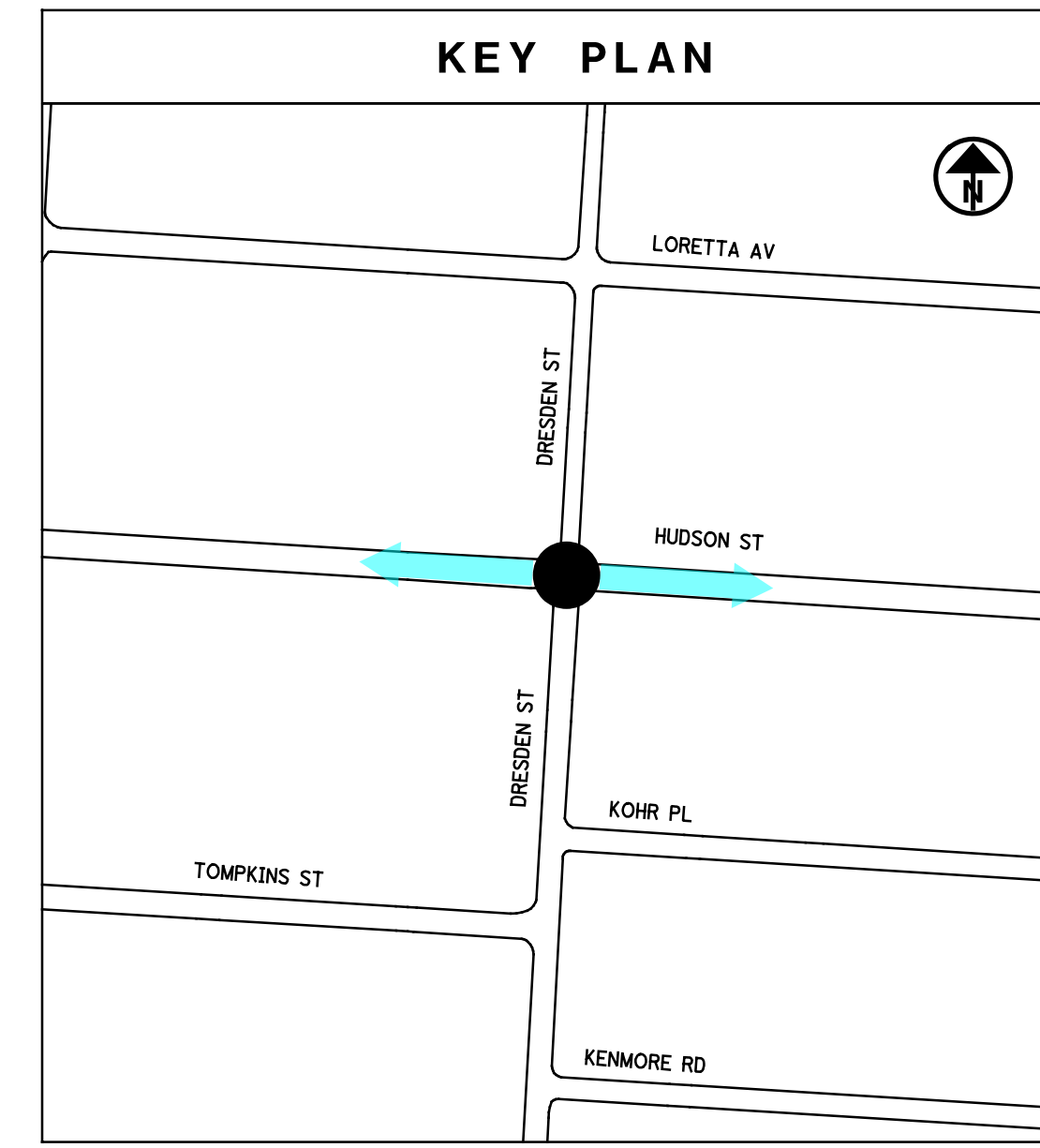
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**TRAFFIC SIGNAL CABINET ASSEMBLY**









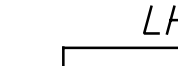







**LEGEND**

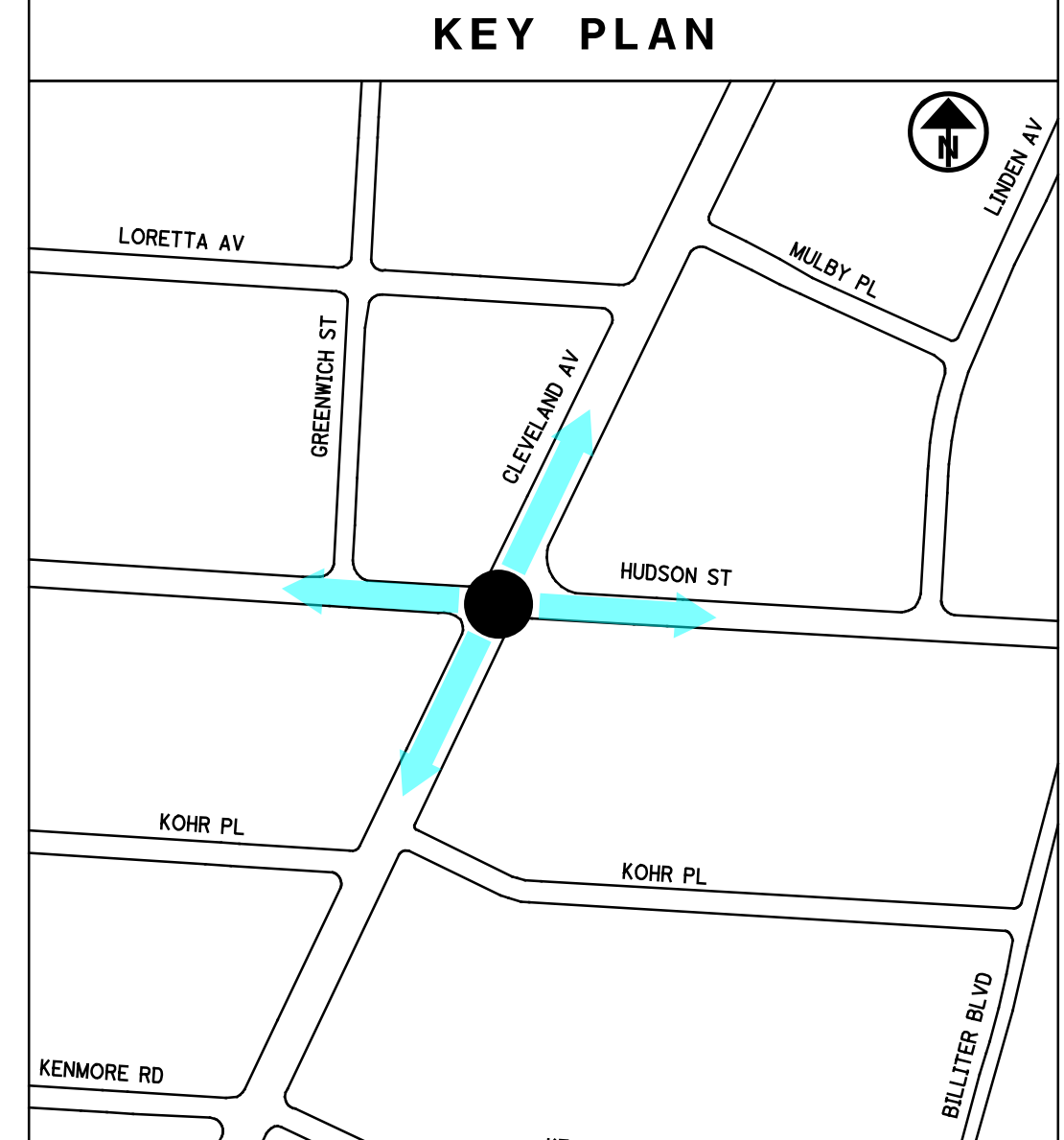
- O FIBER PATCH CABLES
- Y T/R STRAND
- R FIBER PATCH CABLES
- Br R/T CROSSOVER
- CAT 5E CABLE
- PATCH PANEL
- LH GBIC OPTICAL TRANSCEIVER  
 LH - SHORT HAUL LED  
 ZX - LONG HAUL LASER
- FUSION SPLICE - 12 FIBER BUFFER TUBE
- 8P8C CONNECTOR
- 144 STRAND SMF
- INTERSECTION W/ CONTROL CABINET AND SPLICE ENCLOSURE



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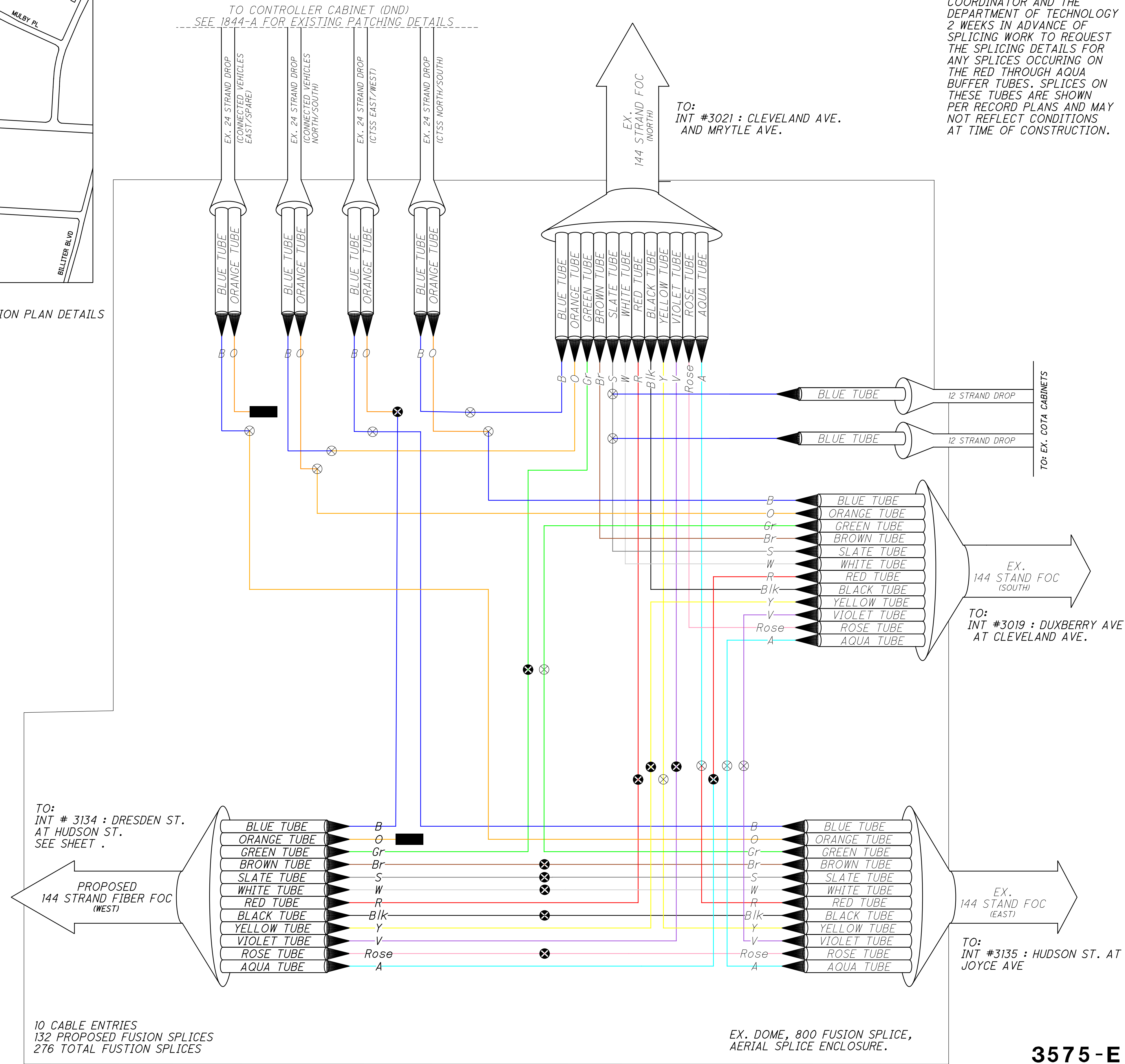
**LEGEND**

-  FIBER PATCH CABLES
-  T/R STRAND
-  FIBER PATCH CABLES
-  R/T CROSSOVER
-  CAT 5E CABLE
-  PATCH PANEL
-  GBIC OPTICAL TRANSCEIVER
-  LH - SHORT HAUL LED
-  ZX - LONG HAUL LASER
-  PROPOSED FUSION SPLICE - 12 FIBER BUFFER TUBE
-  EXISTING FUSION SPLICE - 12 FIBER BUFFER TUBE
-  8P8C CONNECTOR
-  144 STRAND SMF
-  INTERSECTION W/ CONTROL CABINET AND SPLICE ENCLOSURE



INTERSECTION # 3020  
REFER TO SHEET 454 FOR CONSTRUCTION PLAN DETAILS

NOTES:  
CONTRACTOR SHALL CONTACT THE FIBER CONSTRUCTION COORDINATOR AND THE DEPARTMENT OF TECHNOLOGY 2 WEEKS IN ADVANCE OF SPLICING WORK TO REQUEST THE SPLICING DETAILS FOR ANY SPLICES OCCURRING ON THE RED THROUGH AQUA BUFFER TUBES. SPLICES ON THESE TUBES ARE SHOWN PER RECORD PLANS AND MAY NOT REFLECT CONDITIONS AT TIME OF CONSTRUCTION.



TO:  
INT # 3134 : DRESDEN ST.  
AT HUDSON ST.  
SEE SHEET .

PROPOSED  
144 STRAND FIBER FOC  
(WEST)

10 CABLE ENTRIES  
132 PROPOSED FUSION SPLICES  
276 TOTAL FUSTION SPLICES

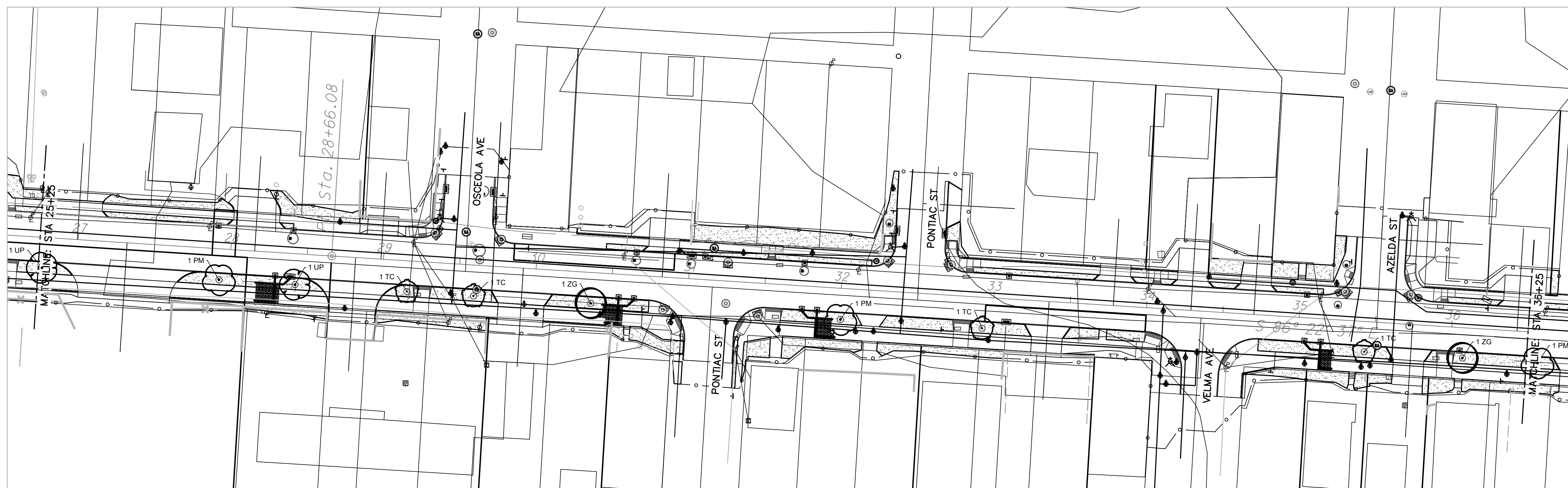
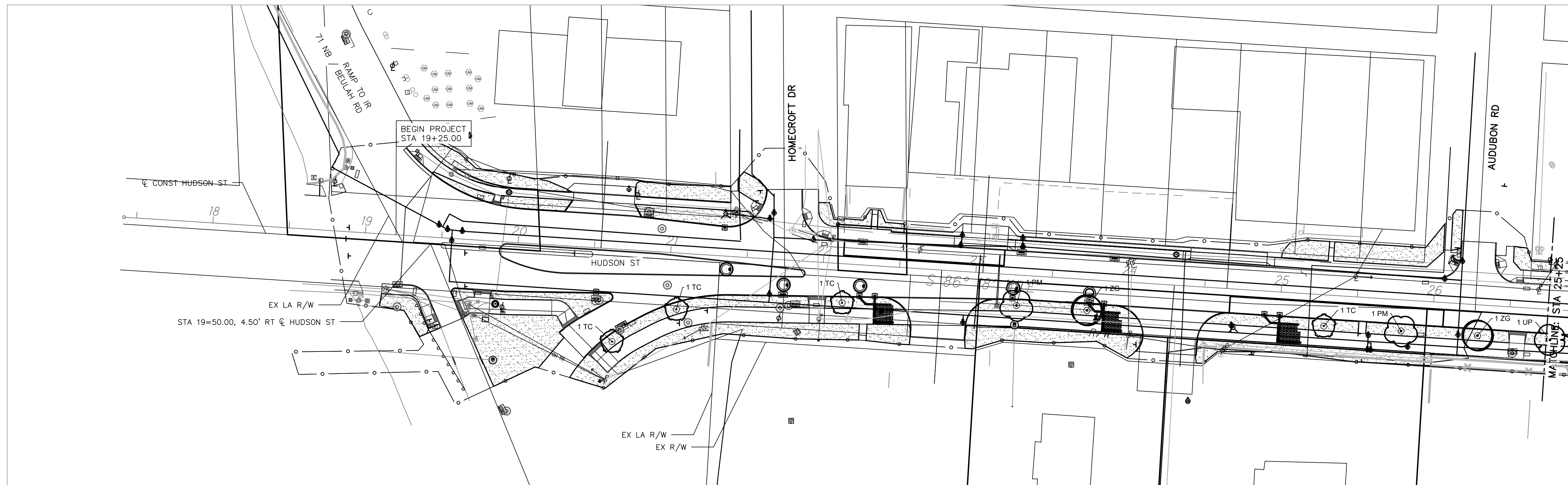
TO:  
INT #3021 : CLEVELAND AVE.  
AND MRYTLE AVE.

EX.  
144 STAND FOC  
(SOUTH)  
TO:  
INT #3019 : DUXBERRY AVE  
AT CLEVELAND AVE.

EX.  
144 STAND FOC  
(EAST)  
TO:  
INT #3135 : HUDSON ST. AT  
JOYCE AVE

EX. DOME, 800 FUSION SPLICE,  
AERIAL SPLICE ENCLOSURE.

3575-E



### TREE SCHEDULE

TREES	TOTAL PROJECT QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
PM	19	Platanus x acerifolia 'Morton Circle' TM / Exclamation! London Plane Tree	B&B	2.5" Cal.	As Shown
TC	13	Tilia cordata 'Corzam' TM / Corinthian Littleleaf Linden	B&B	2.5" Cal.	As Shown
UP	20	Ulmus x 'Princeton' / Princeton Elm	B&B	2.5" Cal.	As Shown
ZG	21	Zelkova serrata 'Green Vase' / Green Vase Sawleaf Zelkova	B&B	2.5" Cal.	As Shown

### CONCEPT PLANT SCHEDULE

	LAWN SEED - SUN AND PARTIAL SHADE MIX	118,683 sf
	See specifications for additional lawn seed mixes and installation requirements. Seed mix is to be 80% Turf Type Fescue and 20% Kentucky Bluegrass. Hybrid species to be selected which tolerate drought and heavy foot traffic.	
	<i>Festuca arundinacea</i> / Tall Fescue	94,946 sf
	<i>Poa pratensis</i> / Kentucky Bluegrass	23,737 sf

### GENERAL NOTES:

- CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO BEGINNING WORK. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES ASSOCIATED WITH WORK. UTILITIES SHALL BE REPAIRED TO SATISFACTION OF THE UTILITY OWNER AND/OR OPERATING AUTHORITY AT NO ADDITIONAL COST.
- PLANTING SOIL MIX TO CONSIST OF 6" TOPSOIL, 4" MULCH AND SOIL CONDITIONER SHALL BE PLACED ON ALL LANDSCAPE AREAS. PLANTING SOIL MIX SHALL BE FREE FROM SUBSOIL, VEGETATION, WEEDS OR ANY EXTRANEOUS OR DELETERIOUS MATERIALS LARGER THAN 1". REMOVE ANY UNSUITABLE AND EXCESS TOPSOIL, AS DETERMINED BY SOILS ENGINEER, FROM THE SITE. FURNISH ANY ADDITIONAL TOPSOIL NEEDED AT NO ADDITIONAL COST. ADDED TOPSOIL SHALL BE INCORPORATED INTO EXISTING SOIL.
- REMOVE ALL ROPE, WIRE BASKET, TWINE, AND BURLAP FROM TOP HALF OF ALL TREE ROOTBALLS.
- REMOVE ALL EXCESS SOIL COVERING TREE ROOTS SO THAT ROOT FLARE IS EXPOSED PRIOR TO SETTING.
- IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. IF IN QUESTION, CONTACT THE LANDSCAPE ARCHITECT.
- ALL PLANTING BEDS SHALL HAVE A 3" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED. ALL PLANTING BEDS SHALL HAVE PRE-EMERGENT HERBICIDE APPLIED AS PER MANUFACTURERS RECOMMENDATION, AFTER INSTALLATION IS COMPLETE.
- FINAL PLACEMENT OF PLANT MATERIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING OPERATIONS ARE TO PROCEED. ALL TREE LOCATIONS SHALL BE MARKED WITH A WOODEN STAKE INDICATING VARIETY AND SIZE OF TREE.
- NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT PRIOR TO BID DATE IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT IDENTIFICATION AT NURSERY OR CONTRACTORS OPERATION PRIOR TO MOVING TO JOB SITE. PLANTS MAY ALSO BE INSPECTED AND APPROVED OR REJECTED ON THE JOB SITE.
- ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, CURRENT EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN.
- PLANTS AND ALL OTHER MATERIALS TO BE STORED ON SITE WILL BE PLACED WHERE THEY WILL NOT CONFLICT WITH CONSTRUCTION. PLANTS ARE NOT TO BE STORED FOR LONGER THAN 24 HRS ON-SITE PRIOR TO INSTALLATION AND SHALL BE WATERED REGULARLY.
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- SEE ROADWAY PLANS FOR ALL TURF AND SEEDING DETAILS/SPECIFICATIONS.

### LANDSCAPE LEGEND

- DECIDUOUS SHADE TREE
- EVERGREEN TREE
- SHRUBS AND ORNAMENTAL GRASSES
- MULCH BED / TREE RING

### KEYNOTES:

- TURF LAWN: SEE MATERIALS SCHEDULE
- NARROW PLANTING STRIP: DUE TO NARROW PLANTING AREAS, NO TREES ARE PROPOSED ALONG THE NORTH SIDE OF HUDSON ST.
- ALL TURF AREAS TO HAVE 12" MIN. DEPTH TOPSOIL BELOW FINISH GRADE.
- ALL TREE PLANTING LOCATIONS ARE TO BE OVERDUG TO A MIN. DEPTH OF 36" BELOW FINISHED GRADE TO PROVIDE ADEQUATE SOIL BENEATH PLANTING AREAS
- NO PLANTINGS ARE TO BE PROVIDED WITHIN 50' IN FRONT OF PROPOSED STREET SIGNAGE
- TREES ARE TO MAINTAIN 10' FROM ALL UTILITIES, WHERE POSSIBLE.



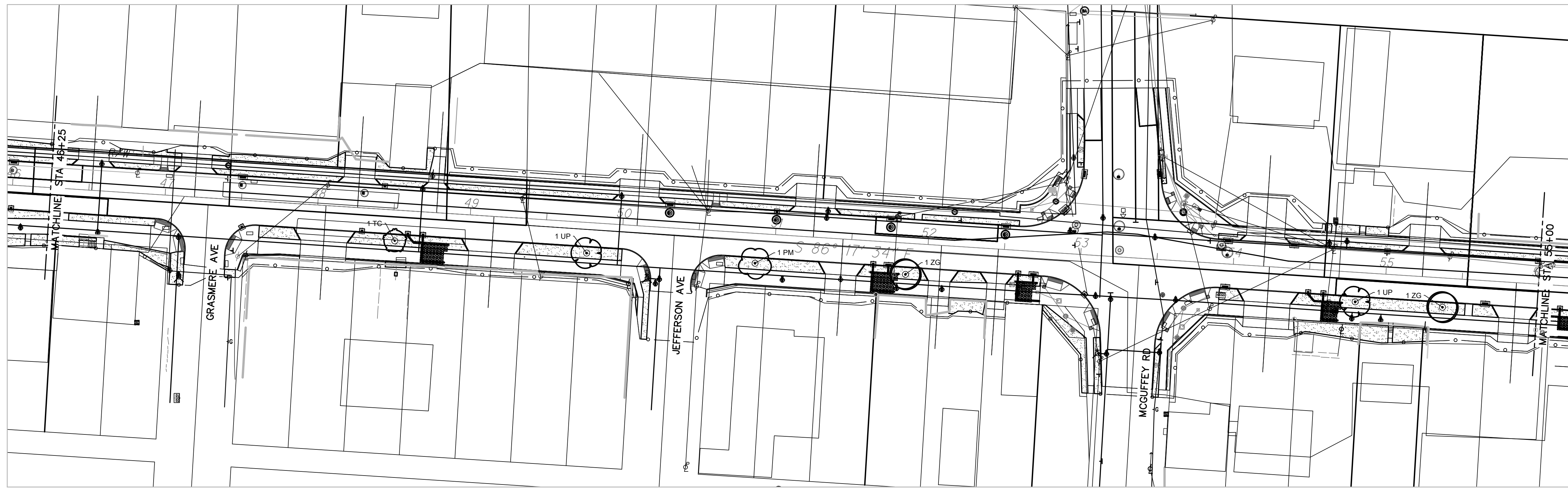
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HORIZONTAL SCALE IN FEET

CALCULATED TB  
CHECKED TB

LANDSCAPE PLAN  
STA 19+25 TO 36+25

HUDSON ST

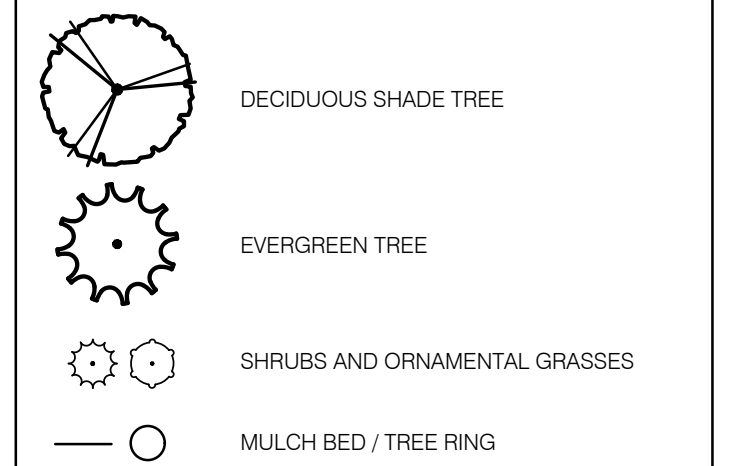
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**GENERAL NOTES:**

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3. REMOVE ALL ROPE, WIRE BASKET, TWINE, AND BURLAP FROM TOP HALF OF ALL TREE ROOTBALLS.
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5. IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. IF IN QUESTION, CONTACT THE LANDSCAPE ARCHITECT.
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9. ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, CURRENT EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN.
10. PLANTS AND ALL OTHER MATERIALS TO BE STORED ON SITE WILL BE PLACED WHERE THEY WILL NOT CONFLICT WITH CONSTRUCTION. PLANTS ARE NOT TO BE STORED FOR LONGER THAN 24 HRS ON-SITE PRIOR TO INSTALLATION AND SHALL BE WATERED REGULARLY.
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12. SEE ROADWAY PLANS FOR ALL TURF AND SEEDING DETAILS/SPECIFICATIONS.

**LANDSCAPE LEGEND**



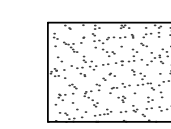

**KEYNOTES:**

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- NARROW PLANTING STRIP: DUE TO NARROW PLANTING AREAS, NO TREES ARE PROPOSED ALONG THE NORTH SIDE OF HUDSON ST.
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**TREE SCHEDULE**

TREES	TOTAL PROJECT QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
PM	19	Platanus x acerifolia 'Morton Circle'™ / Exclamation! London Plane Tree	B&B	2.5" Cal.	As Shown
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ZG	21	Zelkova serrata 'Green Vase' / Green Vase Sawleaf Zelkova	B&B	2.5" Cal.	As Shown

**CONCEPT PLANT SCHEDULE**

	LAWN SEED - SUN AND PARTIAL SHADE MIX See specifications for additional lawn seed mixes and installation requirements. Seed mix is to be 80% Turf Type Fescue and 20% Kentucky Bluegrass. Hybrid species to be selected which tolerate drought and heavy foot traffic.	118,683 sf
	<i>Festuca arundinacea</i> / Tall Fescue	94,946 sf
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CALCULATED 0  
CHECKED TB

LANDSCAPE PLAN  
STA 36+25 TO 55+00

HUDSON ST

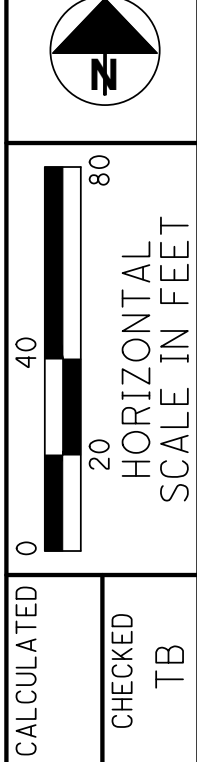
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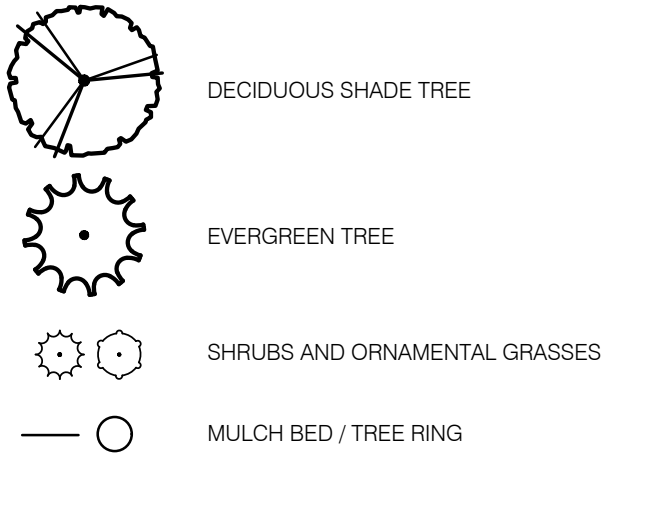
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**LANDSCAPE PLAN  
STA 75+00 TO 75+50**

**LANDSCAPE LEGEND**



**KEYNOTES:**

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- ALL TURF AREAS TO HAVE 12" MIN. DEPTH TOPSOIL BELOW FINISH GRADE.
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**TREE SCHEDULE**

TREES	TOTAL PROJECT QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
PM	19	Platanus x acerifolia 'Morton Circle' TM / Exclamation! London Plane Tree	B&B	2.5" Cal.	As Shown
TC	13	Tilia cordata 'Corzam' TM / Corinthian Littleleaf Linden	B&B	2.5" Cal.	As Shown
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**CONCEPT PLANT SCHEDULE**

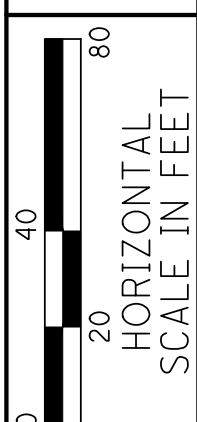
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	Festuca arundinacea / Tall Fescue Poa pratensis / Kentucky Bluegrass	94,946 sf 23,737 sf

**HUDSON ST**



**GENERAL NOTES:**

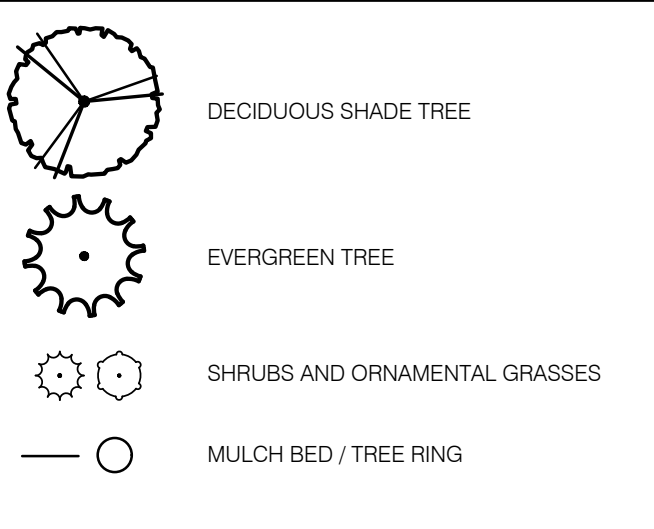
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9. ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, CURRENT EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSEYMEN.
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CALCULATED TB  
CHECKED TB

**LANDSCAPE PLAN**  
STA 75+50 TO 91+00

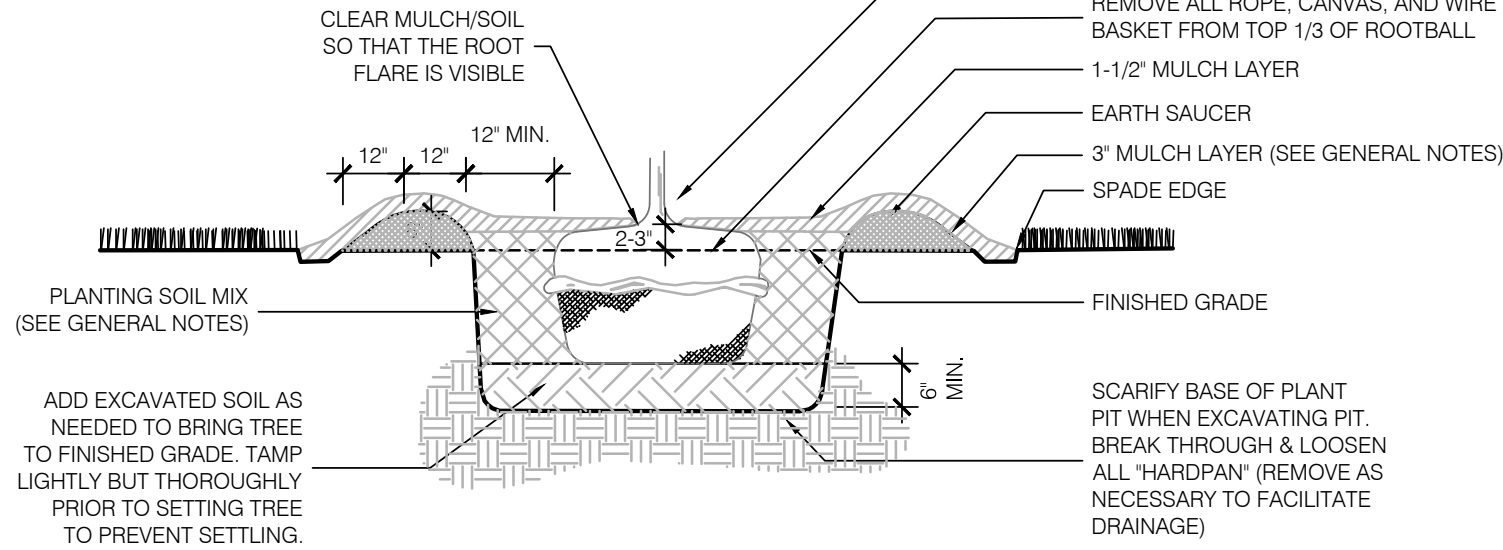
**LANDSCAPE LEGEND**



**KEYNOTES:**

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- NOTES:**
1. SEE SPECIFICATIONS FOR DRAINAGE REQUIREMENTS PRIOR TO PLANTING.
  2. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
  3. IMMEDIATELY SOAK WITH WATER.
  4. DO NOT BREAK ROOTBALL.



- PLANTING PROCEDURE**
1. EXCAVATE ROOTBALL PIT
  2. ADD EXCAVATED SOIL & TAMP. SET TREE SUCH THAT TOP OF ROOTBALL IS 2-3" HIGHER THAN FINISHED GRADE.
  3. REMOVE ALL TWINE, ROPE, BURLAP AND WIRE BASKET FROM TOP 1/2 OF ROOTBALL.
  4. BACKFILL WITH SOIL MIX & "WATER IN"
  5. COMPLETE BACKFILLING. CONSTRUCT SAUCER, SPADE EDGE, & ADD MULCH
  6. STAKE & GUY SECURELY (AS REQUIRED)

**TREE SCHEDULE**

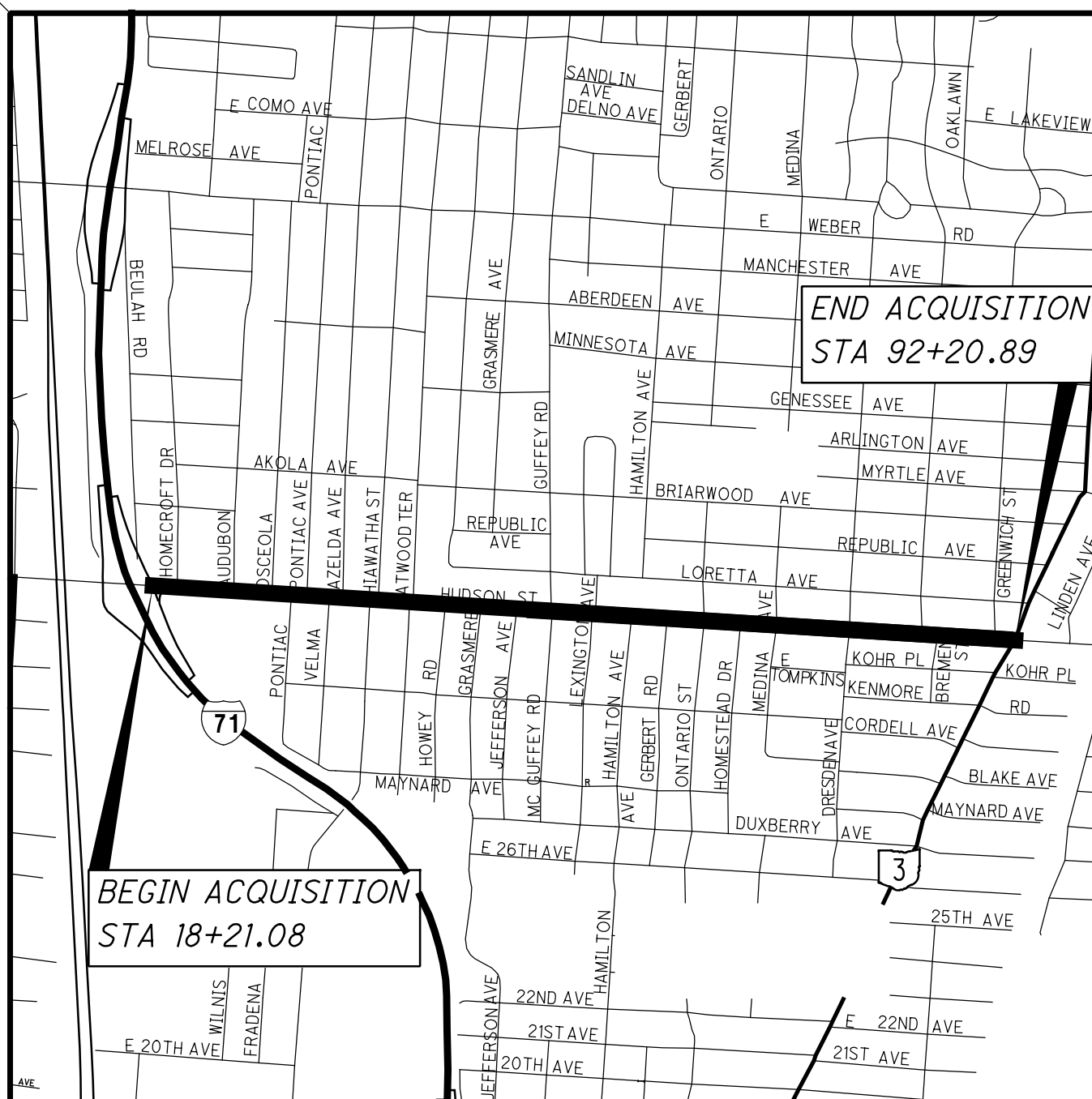
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ZG	21	Zelkova serrata 'Green Vase' / Green Vase Sawleaf Zelkova	B&B	2.5" Cal.	As Shown

**01 TREE PLANTING DETAIL**

SCALE: NTS

**HUDSON ST**

FEDERAL PROJECT NO. N/A  
 PID NO. N/A  
 CALCULATED BY JBY CHECKED ATJ  
 RIGHT OF WAY LEGEND SHEET  
 HUDSON ST  
 1 / 72  
 464  
 535



**LOCATION MAP**

LATITUDE: 40° 00' 50" LONGITUDE: 82° 58' 21"



NOTES: THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE OBTAINED FROM THE OWNER OF THE UTILITIES AS REQUIRED BY SECTION 153.64 O.R.C.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
 T = TEMPORARY CONSTRUCTION EASEMENT  
 P = PERMANENT EASEMENT

- STRUCTURE KEY**
- RESIDENTIAL
  - COMMERCIAL
  - OUT-BUILDING

**UNDERGROUND UTILITIES**  
 Contact Two Working Days  
 Before You Dig

**OHIO811, 8-1-1, or 1-800-362-2764**  
 (Non-members must be called directly)

**CONVENTIONAL SYMBOLS**

- |   |  |
|---|--|
| County Line _____                           | Edge of Shoulder (Ex) -----  |
| Township Line -----                         | Edge of Shoulder (Pr) -----  |
| Section Line -----                          | Ditch / Creek (Ex) -----   |
| Lot Line -----                              | Ditch / Creek (Pr) -----   |
| Corporation Line -----                      | Tree Line (Ex) -----   |
| Fence Line (Ex) ---x---x---(Pr) ---x---x--- | Ownership Hook Symbol $\curvearrowright$ , Example $\curvearrowleft$ |
| Center Line -----                           | Property Line Symbol $\mathcal{P}$ , Example $\mathcal{P}$           |
| Right of Way (Ex) -----                     | Break Line Symbol $\nabla$ , Example $\nabla$                        |
| Right of Way (Pr) -----                     | Tree (Pr) , Tree (Ex) , Shrub (Ex)                                   |
| Standard Highway Ease.(Ex) -----            | Tree (Remove) , Shrub (Remove)                                       |
| Permanent Ease.(Pr) -----                   | Evergreen (Ex) , Stump   |
| Temporary Const. Ease. -----                | Evergreen (Remove) , Stump (Remove)                                  |
| Channel Ease. (Pr) -----                    | Wetland (Pr) , Grass (Pr) , Aerial Target $\triangle$                |
| Utility Ease. (Ex) -----                    | Post (Ex) $\circ$ , Mailbox (Ex) $\square$ , Mailbox (Pr) $\square$  |
| Railroad ----- or -----                     | Light (Ex) $\star$ , Telephone Marker (Ex) $\square$ TEL             |
| Guardrail (Ex) -----                        | Fire Hydrant (Ex) $\triangle$ , Water Meter (Ex) $\square$           |
| Construction Limits -----                   | Water Valve (Ex) $\oplus$ , Utility Valve Unknown (Ex.) $\oplus$     |
| Edge of Pavement (Ex) -----                 | Telephone Pole (Ex) $\phi$ , Power Pole (Ex) $\phi$                  |
| Edge of Pavement (Pr) -----                 | Light Pole (Ex) $\phi$   |

# IMPROVEMENTS OF HUDSON STREET RIGHT-OF-WAY

STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE 18  
 UNITED STATES MILITARY LANDS

**FINAL TRACINGS RIGHT-OF-WAY**  
**DATE OF SUBMITTAL: JUNE 05, 2020**

**INDEX OF SHEETS:**

LEGEND SHEET	1
CENTERLINE PLAT	2-6
PROPERTY MAP	7-10
SUMMARY OF ADDITIONAL R/W	11-39 (ODD SHEETS)
SUMMARY OF R/W ENCROACHMENTS	12-40 (EVEN SHEETS)
R/W TOPO SHEETS	41-71 (ODD SHEETS)
R/W BOUNDARY SHEETS	42-72 (EVEN SHEETS)

**PLANS PREPARED BY:**

FIRM NAME : AMERICAN STRUCTUREPOINT, INC.

R/W DESIGNER: JONATHAN B. YOUMANS

R/W REVIEWER: ANDREW T. JORDAN

FIELD REVIEWER: ANDREW T. JORDAN

PRELIMINARY FIELD REVIEW DATE: 03/08/19

TRACINGS FIELD REVIEW DATE: 06/04/20

OWNERSHIP UPDATED BY: ANDREW T. JORDAN

DATE COMPLETED: MAY 12, 2020

PLAN COMPLETION DATE: JUNE 05, 2020

I, Andrew T. Jordan, P. S. have established the proposed property lines, calculated the Gross Take, Present Roadway Occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire these parcels as shown herein. As a part of this work I have set right of way monuments at the property corners, property line intersections, points along the right of way and/or angle points on the right of way, Section Corners and other points as shown herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as used herein are to mean either myself or someone working under my direct supervision.

Andrew T. Jordan, Professional Land Surveyor No. 8759,

Date:

**3575-E**

SURVEYORS SEAL

**PROJECT DESCRIPTION**

IMPROVEMENT OF HUDSON STREET BETWEEN I-71 AND CLEVELAND AVE IN THE LINDEN NEIGHBORHOOD OF COLUMBUS, JUST SOUTH OF LINDEN PARK. RECONSTRUCTION INCLUDES PAVEMENT REPLACEMENT, NEW CURBING, SIDEWALKS, AND THE REPLACEMENT OF THE EXISTING WATERLINES. ALSO INCLUDED IS AN URBAN GREENWAY MULTIMODAL PATHWAY TO SERVE AS AN EAST-WEST CONNECTION IN THE CENTRAL OHIO GREENWAYS NETWORK.

**UTILITIES**

UTILITIES KNOWN TO BE LOCATED WITH THE LIMITS OF THIS PROJECT ARE LISTED BELOW WITH CONTACT INFORMATION.

COLUMBUS DIVISION OF SEWERAGE AND DRAINAGE  
 1250 FAIRWOOD AVENUE  
 COLUMBUS, OH 43206  
 PH: (614) 645-7102

COLUMBUS DIVISION OF POWER  
 3500 INDIANOLA AVENUE  
 COLUMBUS, OHIO 43214  
 PH: (614) 645-7627 VOICE

COLUMBUS DIVISION OF WATER  
 910 DUBLIN ROAD  
 COLUMBUS, OH 43215  
 PH: (614) 645-7788

CITY OF COLUMBUS DEPARTMENT OF TECHNOLOGY  
 1355 MCKINLEY AVE  
 BUILDING C  
 COLUMBUS, OH 43222  
 CONTRACTOR LINE: (614) 645-7756

CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE  
 TRAFFIC MANAGEMENT  
 1820 EAST 17TH AVE  
 COLUMBUS, OH 43219  
 OFFICE: (614) 645-7393

CITY OF COLUMBUS SUPPORT SERVICES  
 DIVISION-COMMUNICATIONS  
 421 GROVES RD  
 COLUMBUS, OH 43232  
 TELE: (614) 724-7047  
 RADIO ROOM: (614) 724-4006

AMERICAN ELECTRIC POWER  
 700 MORRISON ROAD  
 GAHANNA, OH 43230  
 PH: (614) 883-6817  
 CELL: (614) 301-4977  
 AEP SOLUTION CENTER: (800) 277-2177  
 ATTN: ROD SLONEKER  
 rsloneker@aep.com

COLUMBIA GAS OF OHIO  
 3350 JOHNNY APPLESEED CT  
 COLUMBUS, OHIO 43231  
 OFFICE: (614) 818-2104  
 CELL: (614) 370-1906  
 DAMAGE PREVENTION: (866) 632-6243  
 CUSTOMER SERVICE: (800) 344-4077  
 ATTN: ROB CALDWELL  
 rcaldwell@nsource.com

SPRINT  
 11370 ENTERPRISE PARK DR.  
 SHARONVILLE, OH 45241  
 OFFICE: (513) 459-5796  
 CELL: (513) 462-7221  
 ATTN: STEVEN HUGHES  
 steven.hughes@sprint.com

CHARTER COMMUNICATIONS / SPECTRUM  
 (AKA TIME WARNER)  
 3760 INTERCHANGE RD  
 COLUMBUS, OH 43204  
 OFFICE: (614) 481-5047  
 CELL: (614) 348-2966  
 ATTN: SAM LUTZ  
 samuel.lutz@charter.com

AT&T - OHIO (FKA SBC)  
 111 NORTH 4TH ST  
 COLUMBUS, OHIO 43215  
 OFFICE: (614) 223-7276  
 ATTN: GARY VANALMSICK  
 gv2758@att.com

AT&T - TRANSMISSION  
 155 COMMERCE PARK DR SUITE 1  
 WESTERVILLE, OH 43082  
 OFFICE: (614) 392-2873  
 CELL: (770) 584-7083  
 ATTN: CHAD HARKNESS  
 chad.harkness@cgfiber.com

AT&T - OHIO (FKA SBC)  
 2932 6TH ST  
 IRONTON, OH 45638  
 OFFICE: (740) 532-9943  
 CELL: (740) 601-4380  
 AT&T REPAIR SERVICE: (888) 611-4466  
 DAMAGE PREVENTION: (937) 296-3929  
 ATTN: CHARLES JOHNSON  
 cj3237@att.com



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 COUNTY RECORDER

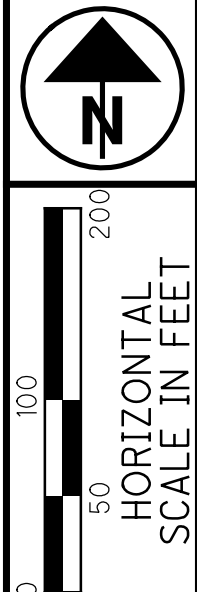
# HUDSON STREET

STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE 18  
 UNITED STATES MILITARY LANDS

- SURVEY CONTROL POINTS (FOUND)
- SURVEY CONTROL POINTS (SET)
- EXISTING ALIGNMENT POINTS
- CONSTRUCTION ALIGNMENT POINTS

### MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET
- MAG NAIL FOUND
- MAG NAIL SET
- MAG SPIKE SET



## BASIS FOR BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON GRID NORTH AS (REFERENCE SOUTH 86 DEGREES 18 MINUTES 11 SECONDS EAST FOR HUDSON STREET EAST OF INTERSTATE ROUTE 71 (FRA-1-25.33) AS REFERENCED TO THE OHIO STATE PLANE COORDINATE SYSTEM (SOUTH ZONE) AND THE NORTH AMERICAN DATUM OF 1983, AS ESTABLISHED UTILIZING A GPS SURVEY AND NGS OPUS SOLUTION.

SETTING OF ALL MONUMENTS SHALL BE PERFORMED UNDER THE SUPERVISION OF THE UNDERSIGNED. THE MONUMENT ASSEMBLIES WILL BE INSTALLED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE IRON PINS AND CAPS (WHEN REQUIRED) ARE TO BE INSTALLED BY THE UNDERSIGNED.

THE EXISTING RIGHT-OF-WAY WIDTH AND LOCATION WERE ESTABLISHED USING RECORD DEEDS AND PLATS ON FILE WITH THE OFFICE OF THE RECORDER FOR FRANKLIN COUNTY, OHIO AND RIGHT-OF-WAY PLANS ON FILE WITH OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 6 INCLUDING THE FOLLOWING:

FRA-1-25.33  
 FRA-CLEVELAND AVENUE IMPROVEMENTS C.I.P. 048  
 RR 7, PG 96  
 RR 11, PG 17

PB 1, PG 11, PB 3, PG 257, PB 7, PG 414, PB 8, PG 4-B  
 PB 8, PG 15B, PB 9, PG 28, PB 13, PG 18, PB 14, PG 13,  
 PB 14, PG 14, PB 14, PG 32, PB 15, PG 2, PB 15, PG 3,  
 PB 15, PG 7, PB 16, PG 19, PB 17, PG 354, PB 18, PG 14,  
 PB 20, PG 65, PB 21, PG 29, PB 24, PG 18, PB 14, PG 9,

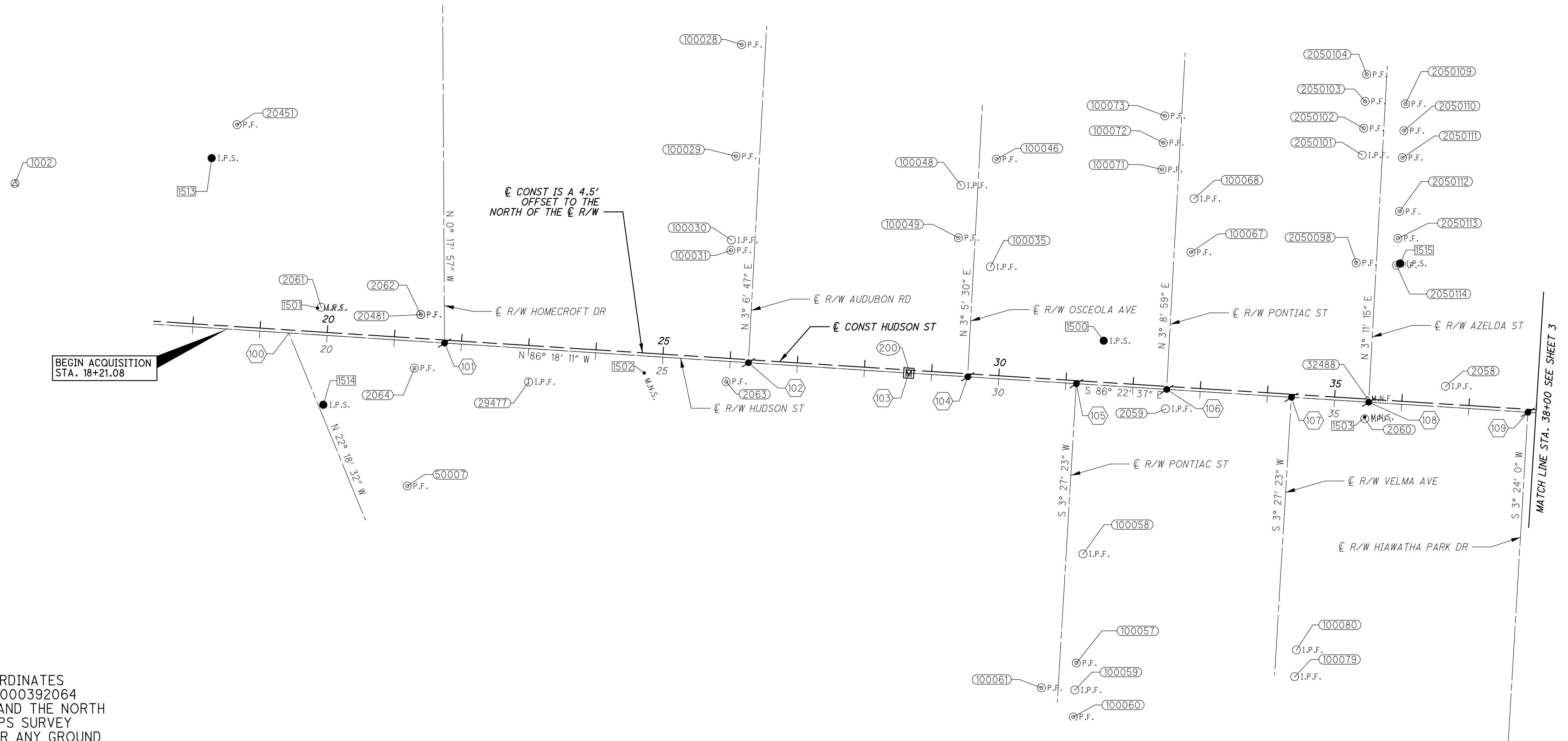
DB 326, PG 464, DB 1374, PG 85, DB 1632, PG 121,  
 DB 1632, PG 124, DB 2164, PG 78, DB 2164, PG 80,  
 DB 2377, PG 83, DB 2517, PG 13, DB 3340, PG 521,  
 DB 238, PG 554, OR 30175, PG 119,  
 IN 200004130071864, IN 200004170074337,  
 IN 200004250079990, IN 200007070134562,  
 IN 200009060179571, IN 200010180212049,  
 IN 200202060034111, IN 20103120029591,  
 IN 201109020110288, IN 201505150063301

NOTE: COORDINATES LISTED HEREIN ARE PROJECTS GROUND COORDINATES REFERENCED BY WAY OF A PROJECT ADJUSTMENT FACTOR OF 1.0000392064 TO THE OHIO STATE PLANE COORDINATE SYSTEM (SOUTH ZONE) AND THE NORTH AMERICAN DATUM OF 1983 (2011), AS ESTABLISHED UTILIZING A GPS SURVEY AND AN NGS OPUS SOLUTION. TO OBTAIN GRID COORDINATES FOR ANY GROUND COORDINATE LISTED APPLY THE INVERSE OF THE PROJECT ADJUSTMENT FACTOR ABOUT CONTROL POINT #1500

I, Andrew T. Jordan, P. S. have conducted a survey of the existing conditions for the City of Columbus, Ohio on East Hudson Street. The results of that survey are contained herein. The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinates system NAD 83, South Zone using (2011) adjustment, by ties to the Franklin County Engineer Control network using Monuments Frank 62 and Frank 162. The Project Adjustment Factor used for this project is 1.0000392064. As a part of this project I have reestablished the locations of the existing property lines and centerline of existing Right of Way for property takes contained herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "A Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as used herein are to mean either myself or someone working under my direct supervision.

Andrew T. Jordan, Professional Land Surveyor No. 8759,

Date:



PID NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ

CENTERLINE PLAT

HUDSON ST

SURVEYORS SEAL

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 COUNTY RECORDER \_\_\_\_\_

# HUDSON STREET

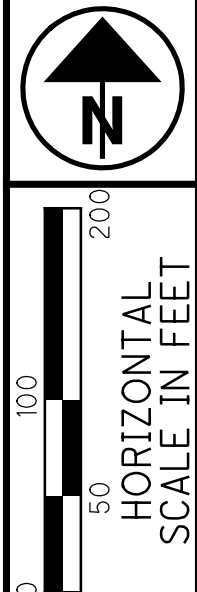
STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE 18  
 UNITED STATES MILITARY LANDS

- SURVEY CONTROL POINTS (FOUND)
- SURVEY CONTROL POINTS (SET)
- EXISTING ALIGNMENT POINTS
- CONSTRUCTION ALIGNMENT POINTS

- MONUMENT LEGEND**
- EXISTING R/W MONUMENT BOX
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  - IRON PIPE SET
  - P.K. NAIL FOUND
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  - MAG NAIL FOUND
  - MAG NAIL SET
  - MAG SPIKE SET

## BASIS FOR BEARINGS:

BEARINGS SHOWN HEREON ARE BASED ON GRID NORTH AS (REFERENCE SOUTH 86 DEGREES 18 MINUTES 11 SECONDS EAST FOR HUDSON STREET EAST OF INTERSTATE ROUTE 71 (FRA-1-25.33) AS REFERENCED TO THE OHIO STATE PLANE COORDINATE SYSTEM (SOUTH ZONE) AND THE NORTH AMERICAN DATUM OF 1983, AS ESTABLISHED UTILIZING A GPS SURVEY AND NGS OPUS SOLUTION.



R/W DESIGNER: JBY  
 R/W REVIEWER: ATJ  
 PID NO.: 0

CENTERLINE PLAT

HUDSON ST

SURVEYORS SEAL

3575-E

4 / 72

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**EXISTING ALIGNMENT POINTS**

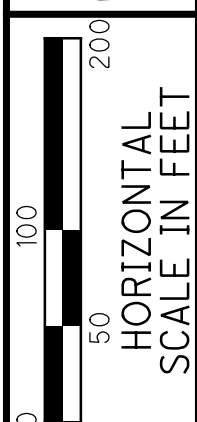
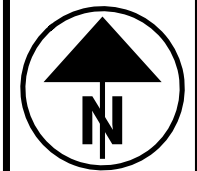
POINT #	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
100	734229.490	1830273.682	19+43.00	0.00'	MAG SPIKE SET - INT W/ CL R/W 71 RAMP
101	734214.536	1830505.122	21+74.92	0.00'	MAG SPIKE SET - INT W/ CL R/W HOMECROFT
102	734185.358	1830956.697	26+27.44	0.00'	MAG SPIKE SET - INT W/ CL R/W AUDUBON
103	734169.971	1831194.841	28+66.08	0.00'	MON BOX SET - PI
104	734164.417	1831282.550	29+53.96	0.00'	MAG SPIKE SET - INT W/ CL R/W OSCEOLA
105	734154.194	1831444.015	31+15.75	0.00'	MAG SPIKE SET - INT W/ CL R/W PONTIAC (S)
106	734145.694	1831578.263	32+50.27	0.00'	MAG SPIKE SET - INT W/ CL R/W PONTIAC (N)
107	734133.959	1831763.593	34+35.97	0.00'	MAG SPIKE SET - INT W/ CL R/W VELMA
108	734126.691	1831878.386	35+50.99	0.00'	MAG SPIKE SET - INT W/ CL R/W AZELDA
109	734111.707	1832115.030	37+88.11	0.00'	MAG SPIKE SET - INT W/ CL R/W HIAWATHA PARK
110	734107.628	1832179.452	38+52.66	0.00'	MAG SPIKE SET - INT W/ CL R/W HIAWATHA
111	734090.860	1832444.286	41+18.02	0.00'	MAG SPIKE SET - INT W/ CL R/W ATWOOD (S)
112	734088.345	1832484.016	41+57.84	0.00'	MON BOX SET - PI & INT W/ CL R/W ATWOOD (N)
113	734071.206	1832748.540	44+22.91	0.00'	MAG SPIKE SET - INT W/ CL R/W HOWEY
114	734051.451	1833053.431	47+28.44	0.00'	MAG SPIKE SET - INT W/ CL R/W GRASMERE
115	734031.698	1833358.309	50+33.96	0.00'	MAG SPIKE SET - INT W/ CL R/W JEFFERSON
116	734013.111	1833645.187	53+21.44	0.00'	MAG SPIKE SET - INT W/ CL R/W MCGUFFEY (N)
117	734012.007	1833662.215	53+38.50	0.00'	MAG SPIKE SET - INT W/ CL R/W MCGUFFEY (S)
118	733990.355	1833996.404	56+73.39	0.00'	MAG SPIKE SET - INT W/ CL R/W LEXINGTON (N)
119	733988.735	1834021.401	56+98.44	0.00'	MAG SPIKE SET - INT W/ CL R/W LEXINGTON (S)
120	733968.696	1834330.694	60+08.38	0.00'	MAG SPIKE SET - INT W/ CL R/W HAMILTON
121	733959.818	1834467.712	61+45.69	0.00'	MON BOX SET - PI
122	733950.166	1834630.660	63+08.92	0.00'	MAG SPIKE SET - INT W/ CL R/W GERBERT
123	733931.453	1834946.580	66+25.40	0.00'	MAG SPIKE SET - INT W/ CL R/W ONTARIO (S)
124	733931.391	1834947.626	66+26.45	0.00'	MAG SPIKE SET - INT W/ CL R/W ONTARIO (N)
125	733913.221	1835254.380	69+33.74	0.00'	MAG SPIKE SET - INT W/ CL R/W HOMESTEAD
126	733894.991	1835562.161	72+42.06	0.00'	MAG SPIKE SET - INT W/ CL R/W MEDINA (S)
127	733894.928	1835563.220	72+43.12	0.00'	MAG SPIKE SET - INT W/ CL R/W MEDINA (N)
128	733880.900	1835800.047	74+80.36	0.00'	MON BOX SET - PI
129	733857.409	1836178.269	78+59.31	0.00'	MAG SPIKE SET - INT W/ CL R/W DRESDEN (S)
130	733857.321	1836179.685	78+60.73	0.00'	MAG SPIKE SET - INT W/ CL R/W DRESDEN (N)
131	733843.725	1836398.588	80+80.06	0.00'	MON BOX SET - PI
132	733819.018	1836769.033	84+51.32	0.00'	MON BOX SET - PI
133	733817.482	1836794.154	84+76.49	0.00'	MAG SPIKE SET - INT W/ CL R/W BREMEN (N)
134	733809.468	1836925.247	86+07.83	0.00'	MAG SPIKE SET - INT W/ CL R/W BREMEN (S)
135	733779.692	1837412.297	90+95.79	0.00'	MAG SPIKE SET - INT W/ CL R/W GREENWICH
136	733769.331	1837581.779	92+65.59	0.00'	MON BOX SET - INT W/ CL R/W CLEVE
			165+57.81	0.00'	(CL R/W CLEVE)
137	730415.95	1835979.856	128+41.45	0.00'	1" IRON PIN FOUND - PI (CL R/W CLEVE)
138	733751.270	1837572.952	165+37.56	0.00'	1" IRON PIN FOUND - PI (CL R/W CLEVE)
139	735067.285	1838216.122	180+02.48	0.00'	1" IRON PIN FOUND - PI (CL R/W CLEVE)

**CONSTRUCTION ALIGNMENT POINTS**

POINT #	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
200	734174.461	1831195.129	28+66.08	4.50' LT	PI
201	734092.835	1832484.304	41+57.84	4.50' LT	PI
202	733964.309	1834467.991	61+45.68	4.50' LT	PI
203	733885.392	1835800.320	74+80.36	4.50' LT	PI
204	733848.216	1836398.878	80+80.06	4.50' LT	PI
205	733823.509	1836769.321	84+51.34	4.50' LT	PI
206	733792.284	1837280.074	89+63.04	4.50' LT	PC
207	733790.245	1837303.983	89+87.03	3.92' LT	PT
208	733782.649	1837373.359	90+56.74	0.58' LT	PC
209	733780.611	1837397.268	90+80.73	0.00'	PT & INT W/ CL R/W HUDSON

**SURVEY CONTROL POINTS (SET)**

POINT #	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
1500	734217.976	1831484.755	31+52.38	66.23' LT	5/8" IRON PIN SET W/ CAP "ASI CONTROL POINT"
1501	734266.504	1830316.386	19+83.23	39.69' LT	MAG NAIL SET
1502	734170.045	1830801.961	24+74.01	25.26' RT	MAG NAIL SET
1503	734104.622	1831872.628	35+46.64	22.39' RT	MAG NAIL SET
1504	734027.094	1833075.678	47+52.22	22.87' RT	MAG NAIL SET
1505	733946.738	1834365.029	60+44.07	19.69' RT	MAG NAIL SET
1506	733872.936	1835532.446	72+13.70	23.77' RT	MAG NAIL SET
1507	733838.222	1836820.000	85+01.05	22.26' LT	MAG NAIL SET
1508	733747.945	1837627.200	93+20.65	20.07' RT	MAG NAIL SET
1510	733942.876	1837442.587	91+16.06	164.73' LT	5/8" IRON PIN SET W/ CAP "ASI CONTROL POINT"
1511	734387.342	1833622.743	52+74.85	372.00' LT	5/8" IRON PIN SET W/ CAP "ASI CONTROL POINT"
1512	733663.417	1833626.498	53+25.40	350.17' RT	5/8" IRON PIN SET W/ CAP "ASI CONTROL POINT"
1513	734489.206	1830159.149	18+11.96	251.79' LT	5/8" IRON PIN SET W/ CAP "ASI CONTROL POINT"
1514	734122.871	1830325.070	20+01.15	103.08' RT	5/8" IRON PIN SET W/ CAP "ASI CONTROL POINT"
1515	734332.705	1831925.325	35+84.82	208.57' LT	5/8" IRON PIN SET W/ CAP "ASI CONTROL POINT"
1550	733879.956	1836151.837	78+31.53	20.87' LT	MAG NAIL SET
1551	733910.424	1834964.152	66+44.18	19.95' RT	MAG NAIL SET
10921	733838.207	1836820.023	85+01.05	22.26' LT	MAG NAIL SET
21799	733805.831	1837640.132	93+29.54	38.57' RT	MAG NAIL SET
28474	733991.936	1833618.670	52+96.35	22.84' RT	MAG NAIL SET
40185	734050.716	1833600.747	52+74.66	34.65' LT	MAG NAIL SET
40462	733993.347	1833376.692	50+54.78	37.08' RT	MAG NAIL SET
40583	734021.239	1833213.001	48+89.63	19.83' RT	MAG NAIL SET



PID NO. **0**

R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

**CENTERLINE PLAT**

**HUDSON ST**

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535

SURVEYORS SEAL

**3575-E**

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SURVEY CONTROL POINTS (FOUND)

Table with 6 columns: POINT #, NORTHING, EASTING, STATION, OFFSET, DESCRIPTION. Contains survey data for points 1000 to 50101.

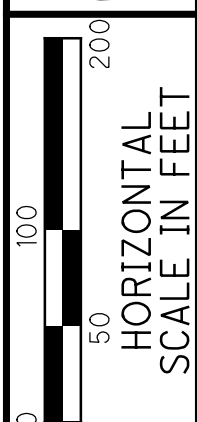
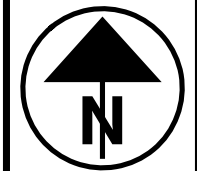
SURVEY CONTROL POINTS (FOUND)

Table with 6 columns: POINT #, NORTHING, EASTING, STATION, OFFSET, DESCRIPTION. Contains survey data for points 50102 to 50599.

SURVEY CONTROL POINTS (FOUND)

Table with 6 columns: POINT #, NORTHING, EASTING, STATION, OFFSET, DESCRIPTION. Contains survey data for points 50600 to 100091.

SURVEYORS SEAL



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R/W DESIGNER JBY  
R/W REVIEWER ATJ

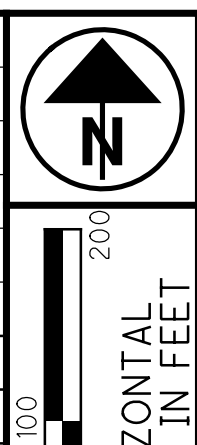
CENTERLINE PLAT

HUDSON ST

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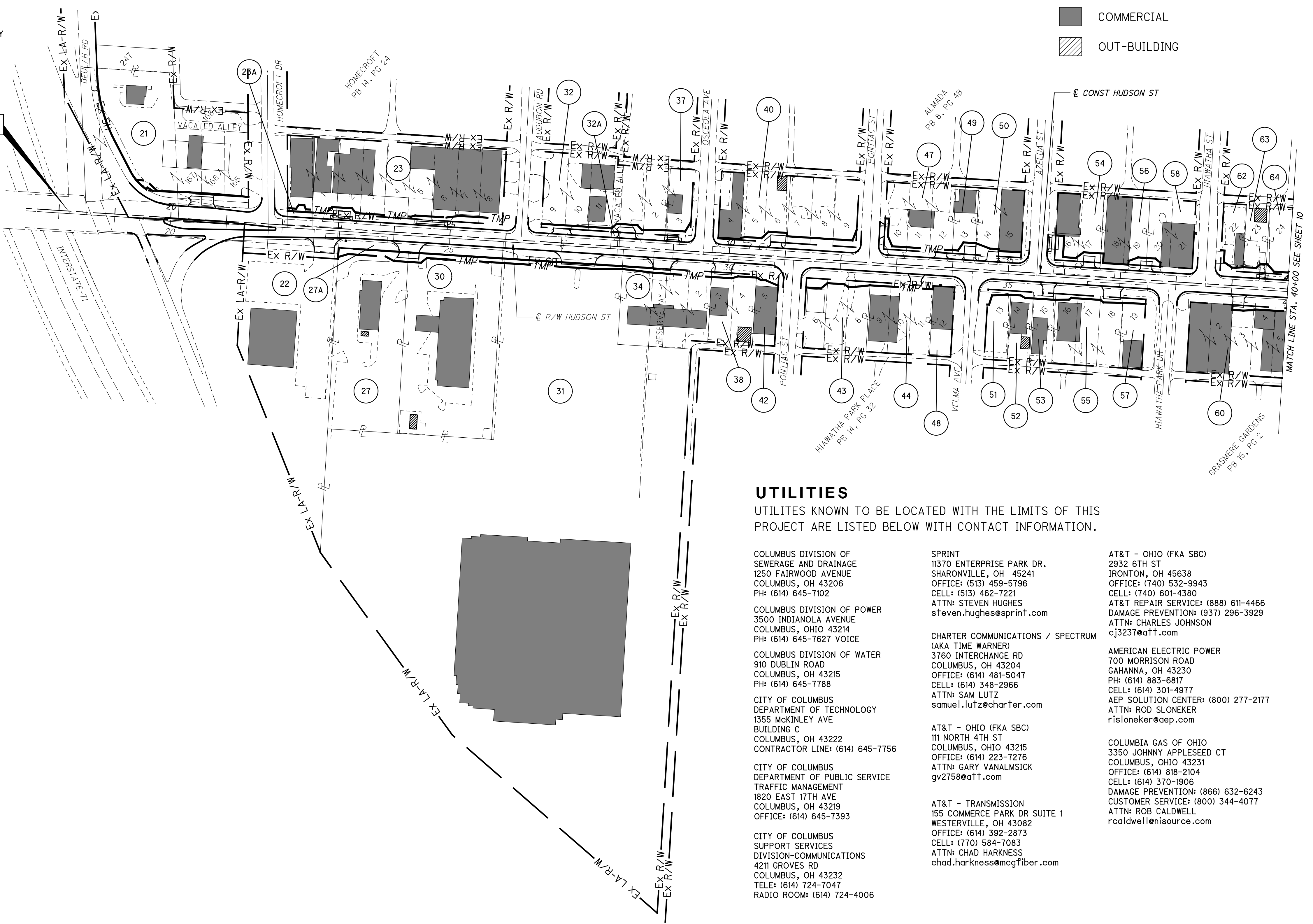
STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE 18  
 UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



- 21 010-076530  
SSA BROTHERS, LLC, AN OHIO LIMITED LIABILITY COMPANY
- 22 010-076526  
EXCHANGE NET LEASED PORTFOLIO 2, LLC, AN IOWA LIMITED LIABILITY COMPANY
- 23A NO PID  
DEILA MYER
- 23 010-076527, 010-010405, 010-072505, 010-072515, 010-072516, 010-072549  
NORMA J. CAMERON AND THOMAS C. CAMERON, TRUSTEES OF THE NORMA J. CAMERON LIVING TRUST
- 27A NO PID  
CITY NATIONAL BANK AND TRUST COMPANY OF COLUMBUS, OHIO, TRUSTEE, A NATIONAL BANKING ASSOCIATION
- 27 010-190408  
THOMAS 22 LIMITED
- 30 010-076919  
FRANKLIN HOTEL GROUP, LLC, AN OHIO LIMITED LIABILITY COMPANY
- 31 010-136765  
BOARD OF EDUCATION OF THE CITY SCHOOL DISTRICT OF COLUMBUS, OHIO
- 32A NO PID  
THE CITIZENS TRUST AND SAVINGS BANK, AS TRUSTEE
- 32 010-072552, 010-038108  
NIZAR H. AL KAMHAWI AND RIHAB R. AL KAMHAWI
- 34 010-136571, 010-072502, 010-072509  
NHAN TROUG LE AND PHUONG BACH NGUYEN
- 37 010-073088  
766 EAST HUDSON ST., LLC
- 38 010-074274, 010-074277  
NAM VAN HUYNH
- 40 010-073793, 010-074076  
EL MEHDI MECHKOUR, RACHID MECHKOUR, OMAR MECHKOUR
- 42 010-074286  
L.L.I.J. COMPANY, AN OHIO PARTNERSHIP
- 43 010-074289  
795 EAST HUDSON LLC, AN OHIO LIMITED LIABILITY COMPANY
- 44 010-074299, 010-074300, 010-074301  
FRANKLIN REALTY MANAGEMENT, LLC, AN OHIO LIMITED LIABILITY COMPANY
- 47 010-072930  
CERTIFIED REAL ESTATE, INC. AN OHIO CORPORATION
- 48 010-074302  
MAURICE CARDWELL
- 49 010-072729  
KEENAN AUSTIN
- 50 010-073173  
JUAN DIAZ DELROSARIO
- 51 010-074303  
MAURICE CARDWELL
- 52 010-074305  
FRANK A. MASCARI
- 53 010-074306  
JAMES A. SMITH
- 54 010-074079  
EDDIE J. SCARBERRY AND ELISSA A. SCARBERRY
- 55 010-074307  
GREEN COAST LION, LTD., AN OHIO LIMITED LIABILITY COMPANY
- 56 010-072637  
SAM S. LAW AND KATHY F. LAW
- 57 010-074310  
JAMES V. METHENEY AND DONNA S. METHENEY
- 58 010-072871, 010-072828  
JAYCAR GROUP, LLC
- 60 010-072524, 010-074772  
JAMES V. MEHENEY AND DONNA S. MEHENEY
- 62 010-072721  
JOSEPH F. FARWOR, SAMUEL L. FARWOR AND ROBERT K. KERKULA
- 63 010-073772  
DEAL REALTY, LLC
- 64 010-072831, 010-073008  
BILLA SINGH AND NARINDER P. KAUR

BEGIN ACQUISITION STA. 18+21.08



**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

**UTILITIES**

UTILITES KNOWN TO BE LOCATED WITH THE LIMITS OF THIS PROJECT ARE LISTED BELOW WITH CONTACT INFORMATION.

- |   |  |   |
|---|--|---|
| <p><b>COLUMBUS DIVISION OF SEWERAGE AND DRAINAGE</b><br/>1250 FAIRWOOD AVENUE<br/>COLUMBUS, OH 43206<br/>PH: (614) 645-7102</p> <p><b>COLUMBUS DIVISION OF POWER</b><br/>3500 INDIANOLA AVENUE<br/>COLUMBUS, OHIO 43214<br/>PH: (614) 645-7627 VOICE</p> <p><b>COLUMBUS DIVISION OF WATER</b><br/>910 DUBLIN ROAD<br/>COLUMBUS, OH 43215<br/>PH: (614) 645-7788</p> <p><b>CITY OF COLUMBUS DEPARTMENT OF TECHNOLOGY</b><br/>1355 MCKINLEY AVE<br/>BUILDING C<br/>COLUMBUS, OH 43222<br/>CONTRACTOR LINE: (614) 645-7756</p> <p><b>CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE TRAFFIC MANAGEMENT</b><br/>1820 EAST 17TH AVE<br/>COLUMBUS, OH 43219<br/>OFFICE: (614) 645-7393</p> <p><b>CITY OF COLUMBUS SUPPORT SERVICES DIVISION-COMMUNICATIONS</b><br/>4211 GROVES RD<br/>COLUMBUS, OH 43232<br/>TELE: (614) 724-7047<br/>RADIO ROOM: (614) 724-4006</p> | <p><b>SPRINT</b><br/>11370 ENTERPRISE PARK DR.<br/>SHARONVILLE, OH 45241<br/>OFFICE: (513) 459-5796<br/>CELL: (513) 462-7221<br/>ATTN: STEVEN HUGHES<br/>steven.hughes@sprint.com</p> <p><b>CHARTER COMMUNICATIONS / SPECTRUM (AKA TIME WARNER)</b><br/>3760 INTERCHANGE RD<br/>COLUMBUS, OH 43204<br/>OFFICE: (614) 481-5047<br/>CELL: (614) 348-2966<br/>ATTN: SAM LUTZ<br/>samuel.lutz@charter.com</p> <p><b>AT&amp;T - OHIO (FKA SBC)</b><br/>11 NORTH 4TH ST<br/>COLUMBUS, OHIO 43215<br/>OFFICE: (614) 223-7276<br/>ATTN: GARY VANALMSICK<br/>gv2758@att.com</p> <p><b>AT&amp;T - TRANSMISSION</b><br/>155 COMMERCE PARK DR SUITE 1<br/>WESTERVILLE, OH 43082<br/>OFFICE: (614) 392-2873<br/>CELL: (770) 584-7083<br/>ATTN: CHAD HARKNESS<br/>chad.harkness@mcgfiber.com</p> | <p><b>AT&amp;T - OHIO (FKA SBC)</b><br/>2932 6TH ST<br/>IRONTON, OH 45638<br/>OFFICE: (740) 532-9943<br/>CELL: (740) 601-4380<br/>AT&amp;T REPAIR SERVICE: (888) 611-4466<br/>DAMAGE PREVENTION: (937) 296-3929<br/>ATTN: CHARLES JOHNSON<br/>cj3237@att.com</p> <p><b>AMERICAN ELECTRIC POWER</b><br/>700 MORRISON ROAD<br/>GAHANNA, OH 43230<br/>PH: (614) 883-6817<br/>CELL: (614) 301-4977<br/>AEP SOLUTION CENTER: (800) 277-2177<br/>ATTN: ROD SLONEKER<br/>rsloneker@aep.com</p> <p><b>COLUMBIA GAS OF OHIO</b><br/>3350 JOHNNY APPLESEED CT<br/>COLUMBUS, OHIO 43231<br/>OFFICE: (614) 818-2104<br/>CELL: (614) 370-1906<br/>DAMAGE PREVENTION: (866) 632-6243<br/>CUSTOMER SERVICE: (800) 344-4077<br/>ATTN: ROB CALDWELL<br/>rcaldwell@source.com</p> |
|---|--|---|

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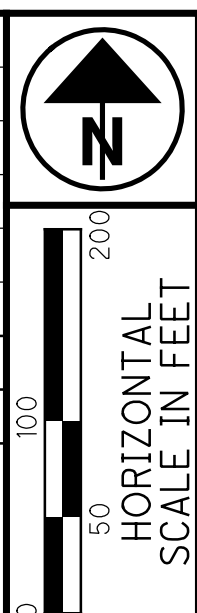
R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
 PID NO. 0

PROPERTY MAP

HUDSON ST

STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE 18  
 UNITED STATES MILITARY LANDS

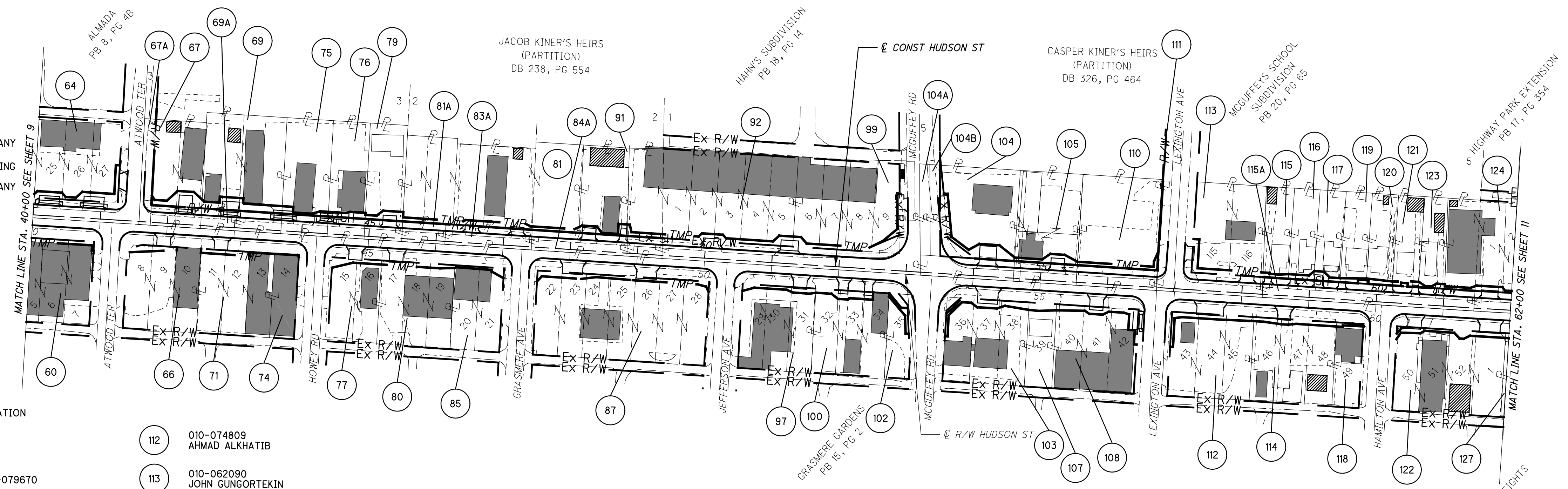
REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

- 60 010-072524, 010-074772  
JAMES VE MEHENEY AND DONNA S. MEHENEY
- 64 010-072831, 010-073008  
BILLA SINGH AND NARINDER P. KAUR
- 66 010-074776  
WORD AT WORK MINISTRIES, INC.  
AN OHIO CORPORATION
- 67A NO PID  
ALVAY ATWOOD
- 67 010-022223, 010-022226  
MAHMOUD AHMADI AND LESLIE POWELL AHMADI
- 69A NO PID  
BILLIE JEAN WARD
- 69 010-022224, 010-022225  
RICHARD D. BLUME
- 71 010-074777, 010-074778, 010-074779  
ANTHONEY REAL ESTATE INVESTMENTS, LLC,  
AN OHIO LIMITED LIABILITY COMPANY
- 74 010-074780  
ALL SEASONS AUTO MAINT. LLC, AN  
OHIO LIMITED LIABILITY COMPANY
- 75 010-088950  
PEACHTREE LTD., AN OHIO  
LIMITED LIABILITY COMPANY
- 76 010-093957  
RICHARD D. BLUME
- 77 010-074781, 010-074782  
YADIRA HAWKINS
- 79 010-022222  
PLEASANT MOVE LLC, AN  
OHIO LIMITED LIABILITY COMPANY
- 80 010-074784  
HYDRA BASEMENT WATERPROOFING  
STRUCTURAL REPAIR LLC, AN  
OHIO LIMITED LIABILITY COMPANY
- 81A NO PID  
THE BRYDEN REALTY COMPANY
- 81 010-053988, 010-933399,  
010-076505, 010-126285  
THE NEW PALISTINE  
BAPTIST CHURCH
- 83A NO PID  
LAURA J. HAAG
- 84A NO PID  
CHARLES A. EVERITT
- 85 010-074786, 010-074787  
JERRY BRIGGS
- 87 010-074788, 010-074789,  
010-074790, 010-074794  
LEENA INC., AN OHIO CORPORATION
- 91 010-076503  
MARGIE A. COOK
- 92 010-095792, 010-076506,  
010-079668, 010-079669, 010-079670  
JERRY RAAB
- 97 010-074795, 010-074795  
UNDEFEATED INVESTMENTS LLC
- 99 010-079672  
NOOR REALTY INVESTMENT, INC.
- 100 010-074799, 010-074800  
HOHAMMED BARZINGI
- 102 010-074801  
L&N - UP ALUM CREEK, LLC, AN  
OHIO LIMITED LIABILITY COMPANY
- 103 010-074802  
HOUSE OF PRAYER (CHURCH OF  
ANCIENT HEBREWS)
- 104A NO PID  
JAMES D. BEEKMAN AND JUNE L. BEEKMAN
- 104B NO PID  
HENRIETTA W. KINER, THE  
CITY OF COLUMBUS, OHIO
- 104 010-062655  
JAMILEH ASSAF
- 105 010-100769, 010-04885, 010-05468, 010-051669  
GOLDMAN PROPERTIES
- 107 010-074805, 010-074806  
GENEVA ANN BEE
- 108 010-074806, 010-074808  
MIDWEST REAL ESTATE HOLDINGS, LLC, AN  
OHIO LIMITED LIABILITY COMPANY
- 110 010-062566  
OHIO WHOLESALE AUTO SALES, LLC
- 111 010-093789  
REFLECTIONS II, INC.



**UTILITIES**

UTILITES KNOWN TO BE LOCATED WITH THE LIMITS OF THIS PROJECT ARE LISTED BELOW WITH CONTACT INFORMATION.

- 112 010-074809  
AHMAD ALKHATIB
- 113 010-062090  
JOHN GUNGORTEKIN
- 114 010-074812  
MEGUEL ESCOBAR
- 115A NO PID  
ARTHUR H. KINER
- 115 010-063104  
MARY J. CUNNINGHAM AKA MARY SHARP  
CUNNINGHAM, AKA MARY J. SHARP CUNNINGHAM,  
AND AKA MARY J. SHARP-CUNNINGHAM
- 116 010-062782  
SOA PROPERTIES, LLC, AN OHIO LIMITED LIABILITY COMPANY
- 117 010-087975  
TIFFANIE CARDANI
- 118 010-074815  
BALIYABHE RELIABLE SERVICES LLC
- 119 010-058320  
MICHAEL SANDERS
- 120 010-058319  
SUZANNE GEHRING
- 121 010-029460  
BERNADETTE DAVIS
- 122 010-074817, 010-074818, 010-072504  
UMMAT-RUSSUL, AN OHIO  
CORPORATION NOT FOR PROFIT
- 123 010-029463  
KEITH GEHRING
- 124 010-093773  
CENTRAL CONGREGATION OF JEHOVAH'S  
WITNESSES, COLUMBUS, OHIO, AN OHIO CORPORATION
- 127 010-075340, 010-075341  
CENTRAL CONGREGATION OF JEHOVAH'S  
WITNESSES, COLUMBUS, OHIO, AN OHIO CORPORATION

- COLUMBUS DIVISION OF SEWERAGE AND DRAINAGE  
1250 FAIRWOOD AVENUE  
COLUMBUS, OH 43206  
PH: (614) 645-7102
- COLUMBUS DIVISION OF POWER  
3500 INDIANOLA AVENUE  
COLUMBUS, OHIO 43214  
PH: (614) 645-7627 VOICE
- COLUMBUS DIVISION OF WATER  
910 DUBLIN ROAD  
COLUMBUS, OH 43215  
PH: (614) 645-7788
- CITY OF COLUMBUS  
DEPARTMENT OF TECHNOLOGY  
1355 MCKINLEY AVE  
BUILDING C  
COLUMBUS, OH 43222  
CONTRACTOR LINE: (614) 645-7756
- CITY OF COLUMBUS  
DEPARTMENT OF PUBLIC SERVICE  
TRAFFIC MANAGEMENT  
1820 EAST 17TH AVE  
COLUMBUS, OH 43219  
OFFICE: (614) 645-7393
- CITY OF COLUMBUS  
SUPPORT SERVICES  
DIVISION-COMMUNICATIONS  
4211 GROVES RD  
COLUMBUS, OH 43232  
TELE: (614) 724-7047  
RADIO ROOM: (614) 724-4006
- SPRINT  
11370 ENTERPRISE PARK DR.  
SHARONVILLE, OH 45241  
OFFICE: (513) 459-5796  
CELL: (513) 462-7221  
ATTN: STEVEN HUGHES  
steven.hughes@sprint.com
- CHARTER COMMUNICATIONS / SPECTRUM  
(AKA TIME WARNER)  
3760 INTERCHANGE RD  
COLUMBUS, OH 43204  
OFFICE: (614) 481-5047  
CELL: (614) 348-2966  
ATTN: SAM LUTZ  
samuel.lutz@charter.com
- AT&T - OHIO (FKA SBC)  
111 NORTH 4TH ST  
COLUMBUS, OHIO 43215  
OFFICE: (614) 223-7276  
ATTN: GARY VANALMSICK  
gv2758@aatt.com
- AT&T - TRANSMISSION  
155 COMMERCE PARK DR SUITE 1  
WESTERVILLE, OH 43082  
OFFICE: (614) 392-2873  
CELL: (770) 584-7083  
ATTN: CHAD HARKNESS  
chad.harkness@mcgfiber.com
- AT&T - OHIO (FKA SBC)  
2932 6TH ST  
IRONTON, OH 45638  
OFFICE: (740) 532-9943  
CELL: (740) 601-4380  
AT&T REPAIR SERVICE: (888) 611-4466  
DAMAGE PREVENTION: (937) 296-3929  
ATTN: CHARLES JOHNSON  
cj3237@aatt.com
- AMERICAN ELECTRIC POWER  
700 MORRISON ROAD  
GAHANNA, OH 43230  
PH: (614) 883-6817  
CELL: (614) 301-4977  
AEP SOLUTION CENTER: (800) 277-2177  
ATTN: ROD SLONEKER  
rsloneker@aep.com
- COLUMBIA GAS OF OHIO  
3350 JOHNNY APPLESEED CT  
COLUMBUS, OHIO 43231  
OFFICE: (614) 818-2104  
CELL: (614) 370-1906  
DAMAGE PREVENTION: (866) 632-6243  
CUSTOMER SERVICE: (800) 344-4077  
ATTN: ROB CALDWELL  
rcaldwell@source.com

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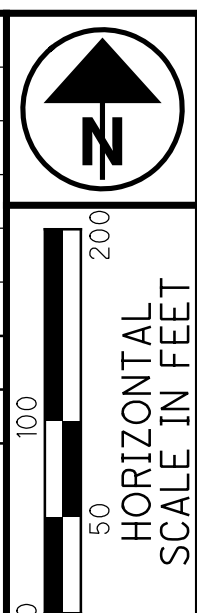
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 R/W DESIGNER JBY  
 R/W REVIEWER ATJ

PROPERTY MAP

HUDSON ST

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED :		JUNE 05, 2020



- 124 010-093773  
CENTRAL CONGREGATION OF JEHOVAH'S WITNESSES, COLUMBUS, OHIO, AN OHIO CORPORATION
- 127 010-075340, 010-075341  
CENTRAL CONGREGATION OF JEHOVAH'S WITNESSES, COLUMBUS, OHIO, AN OHIO CORPORATION
- 129 010-093776  
THE OLD TIME RELIGION HALL
- 130 010-072508  
CRAIG EUGENE NULL AND KRISTEN LYNN SCHURICHT
- 131 010-075342, 010-075343, 010-075344, 010-075345, 010-075346  
MAYSOON SHAKER ABUAWAD
- 136 010-072510  
JOHN GUNGORTEKIN
- 137 010-072511  
MATTHEW T. HILDEBRAND
- 138 010-074458, 010-074459  
GRANT AVENUE PROPERTIES, LTD. AN OHIO LIMITED LIABILITY COMPANY
- 140 010-075347  
KAYED NABABTA
- 141 010-074461  
YIUNG WEI WU, AND HONG HONG WU
- 143 010-075348  
AMIR ALQABAE
- 144 010-074462  
HARRY SOWERS
- 145 010-074463  
BB'S PROPERTY, LLC, AN OHIO LIMITED LIABILITY COMPANY
- 146 010-075350  
COLUMBUS CHOICE RENTALS LLC, A LIMITED LIABILITY COMPANY
- 147 010-074464  
CITY OF COLUMBUS
- 148 010-074465  
TERI L. MULLENS AND WENDELL G. MULLENS
- 149 010-074466  
HORIZON PROPERTY MANAGEMENT
- 150 010-075352, 010-075353  
QAIM QABLE
- 152 010-074467  
JERRY ROBERT GRUBB
- 153 010-074468  
JOHNATHAN S. HUTSON
- 154 010-074469  
FRANCINE LEWIS
- 155 010-075354  
DESMONA R. CLARK
- 156 010-074470  
THOMAS GESSELLS
- 157 010-074471  
CLARENCE O. MARTIN, SR.
- 158 010-075355, 010-075356  
ST. JAMES BIBLICAL CHRISTIAN CHURCH
- 160 010-074472  
CRAMP CONSULTING SERVICES, LLC
- 161 010-075358  
ST. JAMES BAPTIST CHURCH, AN OHIO CORPORATION
- 162 010-074473  
TEATIME INVESTMENTS LLC AN OHIO LIMITED LIABILITY COMPANY
- 163 010-074474  
1320 EAST HUDSON INC., AN OHIO CORPORATION
- 164 010-075360  
VIVIAN C. JAMISON
- 165 010-074476  
JOHNATHAN BRYAN
- 166 010-075361  
GRADY FRANKLIN EVANS, TRUSTEE OF THE DECLARATION OF FAMILY TRUST DATED DECEMBER 23, 2003, AND AMENDED JUNE 20, 2005
- 167 010-074477  
BRIAN L. SHARP
- 168 010-075362  
BRENDA ARGUETA
- 169 010-074478  
GOLDMAN PROPERTIES, LTD.

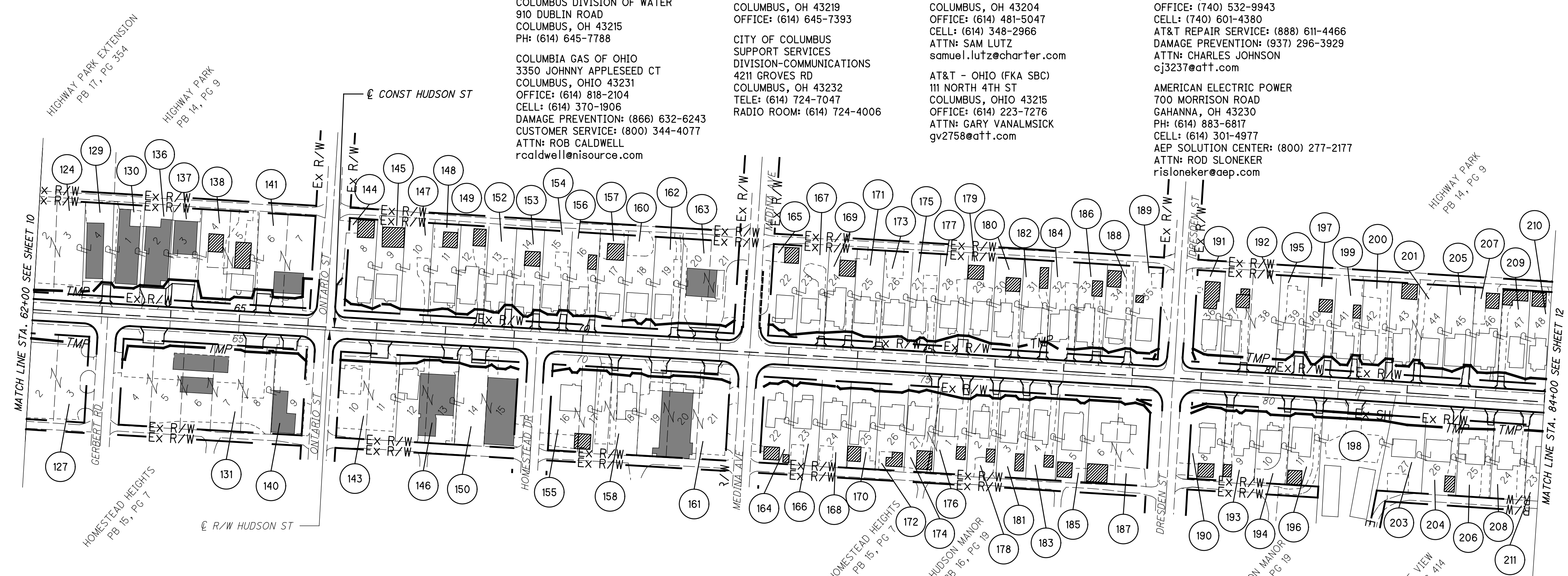
**UTILITIES**

UTILITES KNOWN TO BE LOCATED WITH THE LIMITS OF THIS PROJECT ARE LISTED BELOW WITH CONTACT INFORMATION.

- COLUMBUS DIVISION OF SEWERAGE AND DRAINAGE  
1250 FAIRWOOD AVENUE  
COLUMBUS, OH 43206  
PH: (614) 645-7102
- COLUMBUS DIVISION OF POWER  
3500 INDIANOLA AVENUE  
COLUMBUS, OHIO 43214  
PH: (614) 645-7627 VOICE
- COLUMBUS DIVISION OF WATER  
910 DUBLIN ROAD  
COLUMBUS, OH 43215  
PH: (614) 645-7788
- COLUMBIA GAS OF OHIO  
3350 JOHNNY APPELSEED CT  
COLUMBUS, OHIO 43231  
OFFICE: (614) 818-2104  
CELL: (614) 370-1906  
DAMAGE PREVENTION: (866) 632-6243  
CUSTOMER SERVICE: (800) 344-4077  
ATTN: ROB CALDWELL  
rcaldwell@nisource.com
- CITY OF COLUMBUS DEPARTMENT OF TECHNOLOGY  
1355 MCKINLEY AVE  
BUILDING C  
COLUMBUS, OH 43222  
CONTRACTOR LINE: (614) 645-7756
- CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE TRAFFIC MANAGEMENT  
1820 EAST 17TH AVE  
COLUMBUS, OH 43219  
OFFICE: (614) 645-7393
- CITY OF COLUMBUS SUPPORT SERVICES DIVISION-COMMUNICATIONS  
4211 GROVES RD  
COLUMBUS, OH 43232  
TELE: (614) 724-7047  
RADIO ROOM: (614) 724-4006
- SPRINT  
11370 ENTERPRISE PARK DR.  
SHARONVILLE, OH 45241  
OFFICE: (513) 459-5796  
CELL: (513) 462-7221  
ATTN: STEVEN HUGHES  
steven.hughes@sprint.com
- CHARTER COMMUNICATIONS / SPECTRUM (AKA TIME WARNER)  
3760 INTERCHANGE RD  
COLUMBUS, OH 43204  
OFFICE: (614) 481-5047  
CELL: (614) 348-2966  
ATTN: SAM LUTZ  
samuel.lutz@charter.com
- AT&T - OHIO (FKA SBC)  
111 NORTH 4TH ST  
COLUMBUS, OHIO 43215  
OFFICE: (614) 223-7276  
ATTN: GARY VANALMSICK  
gv2758@att.com
- AT&T - TRANSMISSION  
155 COMMERCE PARK DR SUITE 1  
WESTERVILLE, OH 43082  
OFFICE: (614) 392-2873  
CELL: (770) 584-7083  
ATTN: CHAD HARKNESS  
chad.harkness@mcgfiber.com
- AT&T - OHIO (FKA SBC)  
2932 6TH ST  
IRONTON, OH 45638  
OFFICE: (740) 532-9943  
CELL: (740) 601-4380  
AT&T REPAIR SERVICE: (888) 611-4466  
DAMAGE PREVENTION: (937) 296-3929  
ATTN: CHARLES JOHNSON  
cj3237@att.com
- AMERICAN ELECTRIC POWER  
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GAHANNA, OH 43230  
PH: (614) 883-6817  
CELL: (614) 301-4977  
AEP SOLUTION CENTER: (800) 277-2177  
ATTN: ROD SLONEKER  
risloneker@aep.com

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING



- 170 010-075363  
DAISY L. JONES
- 171 010-074479  
E & J FIVE LLC, A LIMITED LIABILITY COMPANY
- 172 010-075364  
JOSE LUIS DIAZ
- 173 010-074480  
GOLDMAN PROPERTIES, LTD.
- 174 010-060163  
GRADY F. EVANS, SR, TRUSTEE OF THE R. BERNICE GRADY AND GRADY F. EVANS, SR, TRUST DATED DECEMBER 23, 2003, AMENDED JUNE 21, 2005
- 175 010-060170  
DAVID J. RAMIREZ AND COLLEEN D. RAMIREZ
- 176 010-065083  
FIXABLE REAL ESTATE LLC, AN OHIO LIMITED LIABILITY COMPANY
- 177 010-060171  
GRIFFIN D. PIERCE
- 178 010-069740  
CYNTHIA Y. JEFFREY AND TIFFANY JEFFREY
- 179 010-060173  
MAURICIO ARITA
- 180 010-061278  
MS. JILL'S RENTAL PROPERTIES, LLC, AN OHIO LIMITED LIABILITY COMPANY
- 181 010-069741  
SHARRON V. HOLLOWAY NKA SHARRON V. BLACKBURN
- 182 010-061279  
JAMES H. SOCKS
- 183 010-069742  
HENRY A. RICHARDSON AND CAMILLE RICHARDSON
- 184 010-061280  
EVANS R. SMITH AND ROBERTA J. SMITH
- 185 010-069743  
BUENA GENTE LIVING I LLC, A LIMITED LIABILITY COMPANY
- 186 010-061281  
MARIA M. RAMIREZ RIVAS
- 187 010-069744  
OLGA MARQUEZ CABRERA
- 188 010-061282  
BASILIO DOMINGUEZ
- 189 010-061283  
IACOVETTA-MAXWELL ENTERPRISES, A PARTNERSHIP
- 190 010-069746  
YEN CHU FRANCH AND CYNTHIA ANN FORD
- 191 010-061284  
CALVIN B. ESKRIDGE
- 192 010-061286  
SHANNON GHLIJKHANI
- 193 010-069747  
MOHAMMED GHIATH AMMAR
- 194 010-069748  
LEONIDES A. MADONADO
- 195 010-061287  
ANN T. NGUYEN AKA ANHNHUYET T. NGUYEN
- 196 010-069749  
DARLENE DAVIS
- 197 010-061288  
KENDRA V. LESLEY
- 198 010-060164  
LIGGETT LIMITED PARTNERSHIP, AN OHIO LIMITED PARTNERSHIP
- 199 010-061289  
JLP INVESTMENTS, LCC
- 200 010-061290  
MICHAEL J. PORTER AND CALLIE M. MCKINNON
- 201 010-061291, 010-061292  
FREDERICK D. FEREBEE
- 201 010-061291, 010-061292  
FREDERICK D. FEREBEE
- 203 010-060960  
WAYNE MARTIN
- 204 010-060979  
RICHARD H. ANDERSON AND MALINDA R. ANDERSON
- 205 010-061293  
GOLDMAN PROPERTIES, LTD., AN OHIO LIMITED LIABILITY COMPANY
- 206 010-060978  
J & F AUTO SALES LLC
- 207 010-061294  
STELLA V. COLES
- 208 010-060977  
GARY L EVANS
- 209 JOSEPH F. SCHMITZ
- 210 010-061296  
ANTHONY L. HILLMAN
- 211 010-060976  
MUSICK PROPERTIES, LLC, AN OHIO LIMITED LIABILITY COMPANY

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R/W DESIGNER JBY  
R/W REVIEWER ATJ  
PID NO. 0

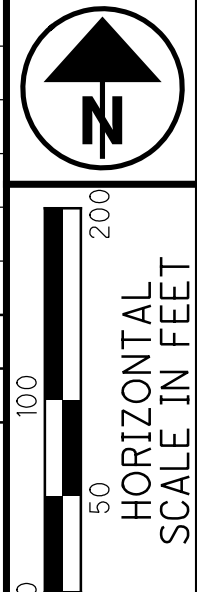
PROPERTY MAP

HUDSON ST

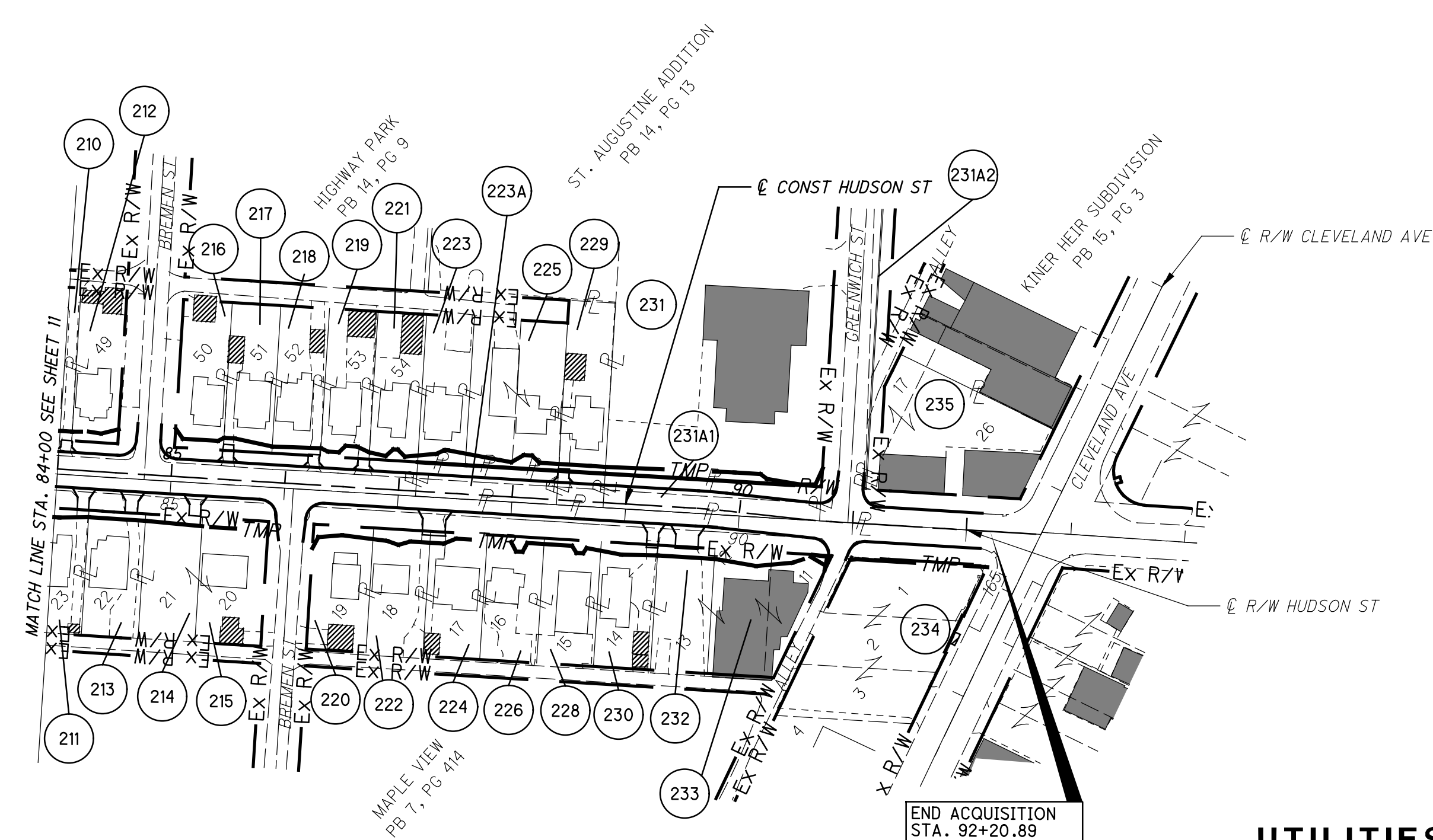


STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE 18  
 UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



- 210 010-061296 ANTHONY L. HILLMAN
- 211 010-060976 MUSICK PROPERTIES, LLC, AN OHIO LIMITED LIABILITY COMPANY
- 212 010-061297 ANTONIO MALONE
- 213 010-060975 TYRONE JAMAR
- 214 010-060974 JAMES E. CATES, TRUSTEE, CATES FAMILY FOUNDATION TRUST
- 215 010-060973 JAMES E. CATES, TRUSTEE, THE CATES FAMILY FOUNDATION TRUST
- 216 010-061298 FARADONIA INVESTMENTS LLC
- 217 010-061299 JACOB H. LUTEYN AND SARA ELIZABETH BACE
- 218 010-061300 WALTER L. THOMAS JR.
- 219 010-061301 ANGELA L. HICKMAN
- 220 010-060972 MEISSOO LLC
- 221 010-061302 ANDRE L. JONES
- 222 010-060971 GHIYATH ALNAJAR
- 223A VPN UNKNOWN CLARENCE M. KINER, HENRY KINER HAROLD R. RIPPLE
- 223 010-060169 LANETTE D. HUGHES
- 224 010-060970 XU WEN
- 225 010-077367 DEBORAH ANN WHEAT, DONITA D. JUDGE, TOYA L. JORDAN, DONALD E. JUDGE, JR., DUANE M. JUDGE, DARRYL V. JUDGE, KEVEN J. JUDGE
- 226 010-060969 SLHF LIMITED, AN OHIO LIMITED LIABILITY COMPANY
- 228 010-060968 DELLA JOHNSON
- 229 010-064960 RICHARD M SAUNDERS AND BETTY L. SAUNDERS
- 230 010-060967 CRAIG C. DERSTINE
- 231A1 NO PID PATRICK MCALLISTER
- 231A2 NO PID REVEREND JAMES J. HARTLEY, BISHOP OF COLUMBUS, OHIO
- 231 010-061277 EDWARD J. HERRMANN SUCCESSOR TO CLARENCE E. ELWELL SUCCESSOR TO JOHN J. CARBERRY SUCCESSOR TO CLARENCE G. ISSMANN SUCCESSOR TO MICHAEL JOSEPH READY SUCCESSOR TO RIGHT REVEREND JAMES J. HARTLEY, BISHOP OF COLUMBUS, OHIO
- 232 010-060208 THE GOOD SHEPHERD BAPTIST CHURCH
- 233 010-067127 GOOD SHEPHERD BAPTIST CHURCH, INC., A NON-PROFIT RELIGIOUS CORPORATION
- 234 010-060958 THE GOOD SHEPHERD BAPTIST CHURCH
- 235 010-060174 JO ANNE R. DENNISON



**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

PID NO. **0**  
 R/W DESIGNER: JBY  
 R/W REVIEWER: ATJ

**PROPERTY MAP**

**HUDSON ST**

**UTILITIES**

UTILITES KNOWN TO BE LOCATED WITH THE LIMITS OF THIS PROJECT ARE LISTED BELOW WITH CONTACT INFORMATION.

- COLUMBUS DIVISION OF SEWERAGE AND DRAINAGE  
1250 FAIRWOOD AVENUE  
COLUMBUS, OH 43206  
PH: (614) 645-7102
- COLUMBUS DIVISION OF POWER  
3500 INDIANOLA AVENUE  
COLUMBUS, OHIO 43214  
PH: (614) 645-7627 VOICE
- COLUMBUS DIVISION OF WATER  
910 DUBLIN ROAD  
COLUMBUS, OH 43215  
PH: (614) 645-7788
- CITY OF COLUMBUS DEPARTMENT OF TECHNOLOGY  
1355 MCKINLEY AVE BUILDING C  
COLUMBUS, OH 43222  
CONTRACTOR LINE: (614) 645-7756
- CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE TRAFFIC MANAGEMENT  
1820 EAST 17TH AVE  
COLUMBUS, OH 43219  
OFFICE: (614) 645-7393
- CITY OF COLUMBUS SUPPORT SERVICES DIVISION-COMMUNICATIONS  
4211 GROVES RD  
COLUMBUS, OH 43232  
TELE: (614) 724-7047  
RADIO ROOM: (614) 724-4006
- SPRINT  
11370 ENTERPRISE PARK DR.  
SHARONVILLE, OH 45241  
OFFICE: (513) 459-5796  
CELL: (513) 462-7221  
ATTN: STEVEN HUGHES  
steven.hughes@sprint.com
- CHARTER COMMUNICATIONS / SPECTRUM (AKA TIME WARNER)  
3760 INTERCHANGE RD  
COLUMBUS, OH 43204  
OFFICE: (614) 481-5047  
CELL: (614) 348-2966  
ATTN: SAM LUTZ  
samuel.lutz@charter.com
- AT&T - OHIO (FKA SBC)  
111 NORTH 4TH ST  
COLUMBUS, OHIO 43215  
OFFICE: (614) 223-7276  
ATTN: GARY VANALMSICK  
gy2758@att.com
- AT&T - TRANSMISSION  
155 COMMERCE PARK DR SUITE 1  
WESTERVILLE, OH 43082  
OFFICE: (614) 392-2873  
CELL: (770) 584-7083  
ATTN: CHAD HARKNESS  
chad.harkness@mgfiber.com
- AT&T - OHIO (FKA SBC)  
2932 6TH ST  
IRONTON, OH 45638  
OFFICE: (740) 532-9943  
CELL: (740) 601-4380  
AT&T REPAIR SERVICE: (888) 611-4466  
DAMAGE PREVENTION: (937) 296-3929  
ATTN: CHARLES JOHNSON  
cj3237@att.com
- AMERICAN ELECTRIC POWER  
700 MORRISON ROAD  
GAHANNA, OH 43230  
PH: (614) 883-6817  
CELL: (614) 301-4977  
AEP SOLUTION CENTER: (800) 277-2177  
ATTN: ROD SLONEKER  
risloneker@aep.com
- COLUMBIA GAS OF OHIO  
3350 JOHNNY APPLESEED CT  
COLUMBUS, OHIO 43231  
OFFICE: (614) 818-2104  
CELL: (614) 370-1906  
DAMAGE PREVENTION: (866) 632-6243  
CUSTOMER SERVICE: (800) 344-4077  
ATTN: ROB CALDWELL  
rcaldwell@nisource.com

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**TOTAL NUMBER OF :**

178 OWNERSHIPS                    1 TOTAL TAKES  
237 PARCELS                      0 OWNERSHIPS W/ STRUCTURES INVOLVED            14 MISSED SPLITS - BALANCE R/W

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
NET TAKE = GROSS TAKE - PRO IN TAKE  
ALL AREAS ARE IN ACRES

**GRANTEE :**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
THE CITY OF COLUMBUS, OHIO  
UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
1-20	NOT USED												100% LOCAL		
21-WD T	SSA BROTHERS, LLC, AN OHIO LIMITED LIABILITY COMPANY	41, 42 41, 42	IN 201912270173942	010-076530	1.610 (C)	0.446	0.447	0.446	0.001			1.160		(21-WD = 32 SF) TO CONSTRUCT ONE DRIVEWAY AND TO GRADE 2 SHRUBS (TBR)	
22	EXCHANGERIGHT NET LEASED PORTFOLIO 2, LLC, AN IOWA LIMITED LIABILITY COMPANY	41, 42	IN 201209270145071	010-076526	1.350									NO TAKE REQUIRED	
23-T	NORMA J. CAMERON AND THOMAS C. CAMERON, TRUSTEES OF THE NORMA J. CAMERON LIVING TRUST	41, 42 43, 44	IN 201106280080147 IN 201106280080155	010-076527 010-010405 010-072505 010-072515 010-072516 010-072549 TOTAL	0.139 (C) 0.136 (C) 0.131 (C) 0.131 (C) 0.262 (C) 0.393 (C) 1.192 (C)	0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.007 0.007 0.010 0.004 0.010 0.027 0.065	0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.007 0.007 0.010 0.004 0.010 0.027 0.065					6" STEEL POST (TBR), (3) 4" BOLLARDS (TBR) (1) 8" STEEL BOLLARD (TBR) 9.5' SIGN W/POWER (TBR) (*4.5') TO CONSTRUCT TWO DRIVEWAYS AND TO GRADE	
23A-WD	DEILA MYER, ETAL	41, 42	DB 657, PG 178	NO PID	0.031 (C)	0.031	0.031	0.031	0.000			0.000			
24-26	NOT USED														
27A-WD	CITY NATIONAL BANK AND TRUST COMPANY OF COLUMBUS, OHIO, TRUSTEE, A NATIONAL BANKING ASSOCIATION		DB 2795, PG 142	NO PID	0.202 (C)	0.202	0.202	0.202	0.000			0.000			
27-P T	THOMAS 22 LIMITED	43, 44 43, 44	IN 200811030161676	010-190408	0.930	0.000	0.001	0.000	0.001					(27-P = 20 SF) (REC. AC. = 0.9295) 1 SIGN (TBR), TO CONSTRUCT ONE DRIVEWAY AND TO GRADE	
28-29	NOT USED														
30-T	FRANKLIN HOTEL GROUP, LLC, AN OHIO LIMITED LIABILITY COMPANY	43, 44	IN 201807310102258	010-076919	1.252	0.000	0.037	0.000	0.037					(2) 3" BOLLARDS (TBR), 154 LF FENCE (TBR), (REC. AC = 1.2515) TO CONSTRUCT ONE DRIVEWAY AND TO GRADE	
31-WD T	BOARD OF EDUCATION OF THE CITY SCHOOL DISTRICT OF COLUMBUS, OHIO	43-46 43-46	OR 13964, PG 617	010-136765	10.515	0.148	0.148	0.148	0.000			10.367		142 LF FENCE (TBR), 21 LF GATE (TBR), 1 BUSH (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO GRADE	
32A-WD	THE CITIZENS TRUST AND SAVINGS BANK, AS TRUSTEE		DB 645, PG 460	NO PID	0.010 (C)	0.010	0.010	0.010	0.000			0.000			
32-T	NIZAR H. AL KAMHAWI AND RIHAB R. AL KAMHAWI	43-46	IN 199806030134946	010-072552 010-038108 TOTAL	0.543 (C) 0.110 (C) 0.653 (C)	0.000 0.000 0.000	0.036 0.007 0.043	0.000 0.000 0.000	0.036 0.007 0.043					1 TREE (TBR), (1) 4" STEEL POSTS (TBR), 1 LIGHT POLE (TBR) 10 LF FENCE (TBR), 2 STEEL SIGN BASE POSTS (TBR) 5' SIGN W/POWER (TBR) (*1') TO CONSTRUCT TWO DRIVEWAYS AND TO GRADE	
33	NOT USED														
34-WD T	NHAN TROUG LE AND PHUONG BACH NGUYEN	45, 46	IN 201202030016050	010-136571 010-136571 010-072502 010-072509 010-213089 TOTAL	0.215 (C) 0.215 (C) 0.187 (C) 0.115 (C) 0.026 (C) 0.543 (C)	0.038 0.038 0.000 0.000 0.000 0.000	0.038 0.008 0.013 0.008 0.000 0.029	0.038 0.000 0.000 0.000 0.000 0.000	0.000 0.008 0.013 0.000 0.000 0.290			0.177		AUDITOR DOES NOT SHOW PARCEL TO HAVE P.R.O. 2 LIGHT POLES (TBR) 145 LF FENCE (TBR), 145 LF CURB (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO GRADE	
35-36	NOT USED														
37-P T	766 EAST HUDSON ST., LLC	45, 46	IN 201005210063318	010-073088	0.121 (C)	0.000	0.001	0.000	0.001					3 LF FENCE (TBR) (37-P = 13 SF) 29 LF GATE (TBR), 14 LF FENCE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO GRADE	

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
WD = WARRANTY DEED  
T = TEMPORARY CONSTRUCTION EASEMENT  
P = PERMANENT EASEMENT

(c) = CALCULATED AREA

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED :		06/05/2020

FEDERAL PROJECT NO. 0

PID NO. 0

STATE JOB NO. 0

R/W DESIGNER: JBY

R/W REVIEWER: ATJ

**SUMMARY OF ADDITIONAL RIGHT OF WAY**

**HUDSON ST**

11 / 72

474

535

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/ W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
1-20	NOT USED						
21-T	SSA BROTHERS, LLC, AN OHIO LIMITED LIABILITY COMPANY	101	41, 42	IN 201912270173942	010-076530	666 E. HUDSON ST., COLUMBUS, OH 43231	12 SHRUBS (TBR), 2 LIGHT POLES (TBR)
22	EXCHANGERIGHT NET LEASED PORTFOLIO 2, LLC, AN IOWA LIMITED LIABILITY COMPANY	101, 103	41, 42, 43, 44	IN 201209270145071	010-076526	675 E. HUDSON ST., COLUMBUS, OH 43231	
23-T	NORMA J. CAMERON AND THOMAS C. CAMERON, TRUSTEES OF THE NORMA J. CAMERON LIVING TRUST	101	41, 42, 43, 44	IN 201106280080147 IN 201106280080155 IN 201106280080154	010-076527 010-010405 010-072505 010-072515 010-072516 010-072549	682, 686, 696, 724 E. HUDSON ST., COLUMBUS, OH 43231	2 BOLLARDS (TBR), (1) 6" STEEL POST (TBR) 2 BUMPER BLOCKS (TBR) 9.5' SIGN W/POWER (TBR) (*4.5')
23A-WD	DEILA MYER, ETAL	101	41, 42, 43, 44	DB 657, PG 178	NO PID	682 E. HUDSON ST., COLUMBUS, OH 43231	
24-26	NOT USED						
27A-WD	CITY NATIONAL BANK AND TRUST COMPANY OF COLUMBUS, OHIO, TRUSTEE, A NATIONAL BANKING ASSOCIATION	103	43, 44	DB 2795, PG 142	NO PID	685 E. HUDSON ST., COLUMBUS, OH 43231	
27-P T	THOMAS 22 LIMITED	103	43, 44	IN 200811030161676	010-190408	685 E. HUDSON ST., COLUMBUS, OH 43231	3 TREES (TBR)
28-29	NOT USED						
30-T	FRANKLIN HOTEL GROUP, LLC, AN OHIO LIMITED LIABILITY COMPANY	103	43, 44	IN 201807310102258	010-076919	701 E. HUDSON ST., COLUMBUS, OH 43231	3 TREES (TBR)
31-WD T	BOARD OF EDUCATION OF THE CITY SCHOOL DISTRICT OF COLUMBUS, OHIO	103, 105	43, 44, 45, 46	OR 13964, PG G17	010-136765	737 E. HUDSON ST., COLUMBUS, OH 43231	
32A-WD	THE CITIZENS TRUST AND SAVINGS BANK, AS TRUSTEE	103, 105		DB 645, PG 460	NO PID	744 E. HUDSON ST., COLUMBUS, OH 43231	
32-T	NIZAR H. AL KAMHAWI AND RIHAB R. AL KAMHAWI	103, 105	43, 44, 45, 46	IN 199806030134946	010-072552 010-038108	744 E. HUDSON ST., COLUMBUS, OH 43231	2 TREES (TBR) 5' SIGN W/POWER (TBR) (*1')
33	NOT USED						
34-WD T	NHAN TROUG LE AND PHUONG BACH NGUYEN	105	45, 46	IN 20120230016050	010-136571 010-072502 010-213089 010-072509	759 E. HUDSON ST., COLUMBUS, OH 43231	4 TREES (TBR),
35-36	NOT USED						
37-P T	766 EAST HUDSON ST., LLC	105	45, 46	IN 201005210063318	010-073088	766 E. HUDSON ST., COLUMBUS, OH 43231	38 LF FENCE (TBR)

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY : ANDREW JORDAN	DATE: 06/04/2020	
OWNERSHIP VERIFIED BY : ANDREW JORDAN	DATE: 05/12/2020	
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO. **0**  
 PID NO. **0**  
 STATE JOB NO. **0**  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS**  
**HUDSON ST**  
 12 / 72  
 475  
 535

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
38-T	NAN VAN HUYNH	45, 46	IN 199809020224348	010-074274 010-074277	0.115 (C) 0.115 (C) 0.230 (C)	0.000 0.000 0.000	0.008 0.005 0.013	0.000 0.000 0.000	0.008 0.005 0.013			100% LOCAL	8" STEEL POLE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO GRADE PAY PHONE (TBR)		
39	NOT USED														
40-P	EL MEHDI MECHKOUR, RACHID MECHKOUR	45, 46	IN 201907010078982	010-074076	0.339 (C)	0.000	0.001	0.000	0.001				(40-P = 13 SF), 5 LF CONC WALL (TBR)		
T	OMAR MECHKOUR	45, 46	IN 201610110137538	010-073793 010-074076	0.339 (C) 0.339 (C) 0.678 (C)	0.000 0.000 0.000	0.024 0.035 0.059	0.000 0.000 0.000	0.024 0.035 0.059				6 LF CONC WALL (TBR) 7' SIGN W/POWER (TBR) (*1') TO CONSTRUCT ONE DRIVEWAY AND TO GRADE		
41	NOT USED														
42-P	L.L.I.J. COMPANY, AN OHIO	45, 46	OR 25834, PG 116	010-074286	0.114 (C)	0.000	0.002	0.000	0.002				4 BOLLARDS (TBR), 5LF FENCE (TBR)		
T	PARTNERSHIP	45, 46					0.008	0.000	0.008				TO PERFORM GRADING		
43-P	795 EAST HUDSON LLC, AN OHIO	45, 46	IN 201501020000289	010-074289	0.326 (C)	0.000	0.001	0.000	0.001				(43-P = 52 SF)		
T	LIMITED LIABILITY COMPANY	45, 46					0.027	0.000	0.027				1 WOOD SIGN (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO GRADE		
44-T	FRANKLIN REALTY MANAGEMENT, LLC, AN OHIO LIMITED LIABILITY COMPANY	45-48	IN 201704170051124	010-074299 010-074300 010-074301	0.109 (C) 0.109 (C) 0.109 (C) 0.327 (C)	0.000	0.006 0.005 0.005 0.016	0.000 0.000 0.000 0.000	0.006 0.005 0.005 0.016				47 LF FENCE (TBR), 1 GATE (TBR) 2 PARKING STALLS (TBR), 2 BUMPER BLOCKS (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO GRADE		
45-46	NOT USED														
47-P	CERTIFIED REAL ESTATE, INC. AN OHIO	45-48	IN 200611270236030	010-072930	0.339 (C)	0.000	0.001	0.000	0.001				(47-P = 13 SF)		
T	CORPORATION	45-48					0.026	0.000	0.026				1 POST (TBR), 4' SIGN (TBR) (*3') TO CONSTRUCT ONE DRIVEWAY AND TO GRADE		
48	MAURICE CARDWELL	47, 48	IN 201908050097516	010-074302	0.109 (C)								NO TAKE REQUIRED		
49-T	KEENAN AUSTIN	47, 48	IN 201905230060397	010-072729	0.113 (C)	0.000	0.015	0.000	0.015				TO CONSTRUCT ONE DRIVEWAY AND TO GRADE		
50-T	JUAN DIAZ AND LAIME DELROSARIO	47, 48	IN 200708230148668	010-073713	0.226 (C)	0.000	0.024	0.000	0.024				40 LF FENCE (TBR), 12 LF GATE (TBR), 6" STEEL POST 6' SIGN W/POWER (TBR) (*1') TO CONSTRUCT ONE DRIVEWAY AND TO GRADE		
51-P	MAURICE CARDWELL	47, 48	IN 201910030130777	010-074303	0.118 (C)	0.000	0.001	0.000	0.001				(51-P = 61 SF)		
T		47, 48					0.009	0.000	0.009				1 PARKING STALL (TBR), 1 PARKING SIGN (TBR) TO PERFORM GRADING		
52-T	FRANK A. MASCARI	47, 48	OR 13123, PG E03	010-074305	0.115 (C)	0.000	0.008	0.000	0.008				6' SIGN (TBR) (*2') TO PERFORM GRADING		
53-T	JAMES A. SMITH	47, 48	OR 12959, PG F17	010-074306	0.115 (C)	0.000	0.010	0.000	0.010				5' SIGN (TBR) (*1.5') TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING		

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
 SUMMARY OF ADDITIONAL RIGHT OF WAY  
 HUDSON ST

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
 T = TEMPORARY CONSTRUCTION EASEMENT  
 P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575-E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED :		06/05/2020

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
38-T	NAN VAN HUYNH	105	45, 46	IN 199809020224348	010-074274 010-074277	773 & 779 E. HUDSON ST., COLUMBUS, OH 43231	
39	NOT USED						
40-P T	EL MEHDI MECHKOUR, RACHID MECHKOUR OMAR MECHKOUR	105	45, 46	IN 201907010078982 IN 201610110137538	010-073793 010-074076	778 & 804 E. HUDSON ST., COLUMBUS, OH 43231	7' SIGN W/POWER (TBR) (*1'), 3 LF CONC WALL (TBR)
41	NOT USED						
42-P T	L.L.I.J. COMPANY, AN OHIO PARTNERSHIP	105	45, 46 45, 46	OR 25834, PG I16	010-074286	785 E. HUDSON ST., COLUMBUS, OH 43231	2 LF FENCE (TBR)
43-P T	795 EAST HUDSON LLC, AN OHIO LIMITED LIABILITY COMPANY	105	45, 46 45, 46	IN 201501020000289	010-074289	795 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
44-T	FRANKLIN REALTY MANAGEMENT, LLC, AN OHIO LIMITED LIABILITY COMPANY	105, 107	45, 46, 47, 48 45, 46, 47, 48	IN 201704170051124	010-074299 010-074300 010-074301	815 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
45-46	NOT USED						
47-P T	CERTIFIED REAL ESTATE, INC. AN OHIO CORPORATION	105, 107	45, 46, 47, 48 45, 46, 47, 48	IN 200611270236030	010-072930	820 E. HUDSON ST., COLUMBUS, OH 43231	4' SIGN (TBR) (*3') 1 POST (TBR), 1 BUMPER BLOCK (TBR)
48	MAURICE CARDWELL	107	47, 48	IN 201908050097516	010-074302	823 E. HUDSON ST., COLUMBUS, OH 43231	NO TAKE REQUIRED
49-T	KEENAN AUSTIN	107	47, 48	IN 201905230060397	010-072729	832 E. HUDSON ST., COLUMBUS, OH 43231	3 BUMPER BLOCKS (TBR)
50-T	JUAN DIAZ AND LAIME DELROSARIO	107	47, 48	IN 200708230148668	010-073713	840 E. HUDSON ST., COLUMBUS, OH 43231	6' SIGN W/POWER (TBR) (*1')
51-P T	MAURICE CARDWELL	107	47, 48 47, 48	IN 201910030130777	010-074303	837 E. HUDSON ST., COLUMBUS, OH 43231	6 PARKING STALLS (DND)
52-T	FRANK A. MASCARI	107	47, 48	OR 13123, PG E03	010-074305	841 E. HUDSON ST., COLUMBUS, OH 43231	6' SIGN (TBR) (*2')
53-T	JAMES A. SMITH	107	47, 48	OR 12959, PG F17	010-074306	847 E. HUDSON ST., COLUMBUS, OH 43231	5' SIGN (TBR) (*1.5')

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY : ANDREW JORDAN	DATE: 06/04/2020	
OWNERSHIP VERIFIED BY : ANDREW JORDAN	DATE: 05/12/2020	
DATE COMPLETED : 06/05/2020		

**SUMMARY OR RIGHT-OF-WAY ENCROACHMENTS**  
 HUDSON ST  
 FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
 14 / 72  
 477  
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NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**  
 ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
													100% LOCAL		
54-T	EDDIE J. SCARBERRY AND ELISSA A. SCARBERRY	47, 48	IN 200308070248989	010-074079	0.226 (C)	0.000	0.034	0.000	0.034					2 PARKING STALLS (TBR) TO CONSTRUCT TWO DRIVEWAYS AND TO GRADE	
55-T	GREEN COAST LION, LTD., AN OHIO LIMITED LIABILITY COMPANY	47-50	IN 200608310173302	010-074307	0.344 (C)	0.000	0.022	0.000	0.022					1 PARKING STALL (TBR), 1 BUMPER BLOCK (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
56-T	SAM S. LAW AND KATHY F. LAW	47-50	OR 14895, PG H03	010-072637	0.226 (C)	0.000	0.011	0.000	0.011					TO CONSTRUCT ONE DRIVEWAY AND TO GRADE	
57-P T	JAMES V. METHENEY AND DONNA S. METHENEY	49, 50 49, 50	DB 3757, PG 188	010-074310	0.118 (C)	0.000	0.001 0.008	0.000	0.001 0.008					(57-P = 20 SF) 9 LF FENCE (TBR), 4.5' SIGN (TBR) (*4') TO PERFORM GRADING	
58-T	JAYCAR GROUP, LLC	49, 50	IN 201204100049252	010-072871	0.113 (C)	0.000	0.007	0.000	0.007					TO CONSTRUCT ONE DRIVEWAY AND TO GRADE	
				010-072828	0.113 (C)	0.000	0.000	0.000	0.000						
				TOTAL	0.226 (C)	0.000	0.007	0.000	0.007						
59	NOT USED														
60-P T	JAMES V. METHENEY AND DONNA S. METHENEY	49, 50 49, 50	OR 8718, PG B03	010-074772	0.543 (C)	0.000	0.001 0.026	0.000	0.001 0.026					(60-P = 3 SF) 7.5' SIGN (TBR) (*3.5') TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
				010-072524	0.218 (C)	0.000	0.001	0.000	0.001						
				TOTAL	0.761 (C)	0.000	0.027	0.000	0.027						
61	NOT USED														
62-P T	JOSEPH F. FARWOR, SAMUEL L. FARWOR AND ROBERT K. KERKULA	49, 50 49, 50	IN 200702140027084	010-072721	0.113 (C)	0.000	0.001 0.012	0.000	0.001 0.012					(62-P = 12 SF) 11 LF FENCE (TBR), 1 FLAG (TBR), 2 BUMPER BLOCKS (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO GRADE	
				IN 200702140027083											
63-T	DEAL REALTY, LLC	49, 50	IN 201011160153863	010-073772	0.113 (C)	0.000	0.010	0.000	0.010					1 TREE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO GRADE	
64-P T	BILLA SINGH AND NARINDER P. KAUR	49, 50 49, 50	IN 199904200098407	010-073008	0.343 (C)	0.000	0.001 0.006 0.035	0.000	0.001 0.006 0.035					(64-P = 10 SF), 1 SIGN (DND) 16 LF FENCE (TBR) TO CONSTRUCT THREE DRIVEWAYS AND TO PERFORM GRADING	
				010-072831	0.113 (C)	0.000	0.006	0.000	0.006						
				010-073008	0.343 (C)	0.000	0.035	0.000	0.035						
				TOTAL	0.456 (C)	0.000	0.041	0.000	0.041						
65	NOT USED														
66-T	WORD AT WORK MINISTRIES, INC. AN OHIO CORPORATION	49-52	IN 200402200037036	010-074776	0.306 (C)	0.000	0.011	0.000	0.011					6' SIGN (DND) (*1') TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
67A-WD	ALVAY ATWOOD	49, 50	DB 312, PG 41	NO PID	0.061 (C)	N/A	0.061	0.061	0.000						
67-WD T	MAHMOUD AHMADI, AND LESLIE POWELL AHMADI	49-52 49-52	IN 201906270077960	010-022223	0.136 (C)	0.026	0.000	0.026	0.000					(67-WD CONTAINS 3 SF NOT WITHIN P.R.O. WITHIN 022223)	
				010-022226	0.136 (C)	0.026	0.000	0.026	0.000						
				TOTAL	0.272 (C)	0.052	0.000	0.052	0.000						
				010-022223	0.136 (C)	0.026	0.010	0.000	0.010					46 LF FENCE (TBR), 1 SIGN (TBR), 14 LF BLOCK WALL TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
				010-022226	0.136 (C)	0.0260	0.018	0.000	0.018						
				TOTAL	0.272 (C)	0.052	0.028	0.000	0.028						

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER: JBY  
 R/W REVIEWER: ATJ  
 SUMMARY OF ADDITIONAL RIGHT OF WAY  
 HUDSON ST

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
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NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
54-T	EDDIE J. SCARBERRY AND ELISSA A. SCARBERRY	107	47, 48	IN 200308070248989	010-074079	852 E. HUDSON ST., COLUMBUS, OH 43231	3' SIGN (TBR), 2 PARKING STALL (TBR)
55-T	GREEN COAST LION, LTD., AN OHIO LIMITED LIABILITY COMPANY	107	47, 48, 49, 50	IN 200608310173302	010-074307	853 E. HUDSON ST., COLUMBUS, OH 43231	1 SMALL SIGN (TBR), 2 TREES (TBR)
56-T	SAM S. LAW AND KATHY F. LAW	107	49, 50	OR 14895, PG H03	0140-072637	866 E. HUDSON ST., COLUMBUS, OH 43231	
57-P T	JAMES V. METHENEY AND DONNA S. METHENEY	107	49, 50 49, 50	DB 3757, PG 188	010-074310	867 E. HUDSON ST., COLUMBUS, OH 43231	82 LF FENCE (TBR), 4.5' SIGN (TBR) (*4') 7 BUMPER BLOCKS (TBR)
58-T	JAYCAR GROUP, LLC	107, 109	49, 50	IN 201204100049252	010-072871 010-072828	882 & 884 E. HUDSON ST., COLUMBUS, OH 43231	1 BUSH (TBR)
59	NOT USED						
60-P T	JAMES V. METHENEY AND DONNA S. METHENEY	109	49, 50 49, 50	OR 8718, PG B03	010-072524 010-074772 010-075292	907 E. HUDSON ST., COLUMBUS, OH 43231	7.5' SIGN (TBR) (*3.5')
61	NOT USED						
62-P T	JOSEPH F. FARWOR, SAMUEL L. FARWOR AND ROBERT K. KERKULA	109	49, 50 49, 50	IN 200702140027084 IN 200702140027083	010-072721	892 E. HUDSON ST., COLUMBUS, OH 43231	5 LF FENCE (TBR)
63-T	DEAL REALTY, LLC	109	49, 50	IN 201011160153863	010-073772	896 E. HUDSON ST., COLUMBUS, OH 43231	16 LF FENCE (TBR)
64-P T	BILLA SINGH AND NARINDER P. KAUR	109	49, 50 49, 50	IN 199904200098407	010-073008	910 E. HUDSON ST., COLUMBUS, OH 43231	1 PAY PHONE (#3) (TBR), 2 BOLLARDS (TBR)
65	NOT USED						
66-T	WORD AT WORK MINISTRIES, INC. AN OHIO CORPORATION	109	49, 50, 51, 52	IN 200402200037036	010-074776	931 E. HUDSON ST., COLUMBUS, OH 43231	6' SIGN (DND) (*1')
67A-WD	ALVAY ATWOOD	109	49, 50	DB 312, PG 41	NO PID	930 E. HUDSON ST., COLUMBUS, OH 43231	
67-WD T	MAHMOUD AHMADI, AND LESLIE POWELL AHMADI	109	49, 50, 51, 52 49, 50, 51, 52	IN 201906270077960	010-022223 010-022226	930-934 E. HUDSON ST., COLUMBUS, OH 43231	9 LF FENCE (TBR), 5 LF BLOCK WALL (TBR)

**3575 - E**

REV. BY	DATE	DESCRIPTION
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DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO. **0**  
 PID NO. **0**  
 STATE JOB NO. **0**  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS**  
**HUDSON ST**  
 16 / 72  
 479  
 535

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
NET TAKE = GROSS TAKE - PRO IN TAKE  
ALL AREAS ARE IN ACRES

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
THE CITY OF COLUMBUS, OHIO  
UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
68	NOT USED												100% LOCAL		
69A-WD	BILLIE JEAN WARD	51, 52	DB 3427, PG 140	010-022224	0.040 (C)	0.040	0.040	0.040	0.000			0.000			
69-WD	RICHARD D. BLUME	51, 52	IN 199805290131005	010-022225	0.235	0.044	0.044	0.044	0.000			0.191			
T		51, 52	OR 7666, PG J20	010-022224	0.202	0.000	0.019	0.000	0.019					(2) 8" BRICK LANDSCAPING WALLS (TBR), 2 YARD LIGHTS (TBR)	
				010-022225	0.235	0.000	0.017	0.000	0.017					1 BUMPER BLOCK (TBR), 2 PARKING STALLS (TBR)	
				TOTAL	0.437	0.000	0.036	0.000	0.036					1 PRIVATE POLE (TBR)	
70	NOT USED													TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING	
71-T	ANTHONY REAL ESTATE INVESTMENTS, LLC, AN OHIO LIMITED LIABILITY COMPANY	51, 52	IN 200510200220888	010-074777	0.104 (C)	0.000	0.005	0.000	0.005					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
				010-074778	0.104 (C)	0.000	0.004	0.000	0.004						
				010-074779	0.104 (C)	0.000	0.001	0.000	0.001						
				TOTAL	0.312 (C)	0.000	0.010	0.000	0.010						
72-73	NOT USED														
74-T	ALL SEASON AUTO MAINT. LLC, AN OHIO LIMITED LIABILITY COMPANY	51, 52	IN 201508030106480	010-074780	0.105 (C)	0.000	0.001	0.000	0.001					(74-T = 15 SF) TO PERFORM GRADING	
75-WD	PEACHTREE LTD., AN OHIO LIMITED LIABILITY COMPANY	51, 52	IN 201903220032489	010-088950	0.237	0.048	0.048	0.048	0.000			0.189		1 BUMPER BLOCK (TBR)	
T		51, 52						0.009	0.009					TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING	
76-WD	RICHARD D. BLUME	51, 52	IN 200808140124103	010-093957	0.199	0.038	0.038	0.038	0.000			0.161		(REC. AC. = .1988) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
T		51, 52						0.010	0.010						
77-P	YADIRA HAWKINS	51, 52	IN 201204230055528	010-074781	0.105 (C)	0.000	0.001	0.000	0.001					(3) 3" BOLLARDS, 1 PARKING STALLS (TBR)	
T		51, 52		010-074781	0.105 (C)	0.000	0.008	0.000	0.008					(1) 4" BOLLARD, 2 BUMPER BLOCK, 1 PARKING STALL (TBR)	
				010-074782	0.104 (C)	0.000	0.005	0.000	0.005					12 LF FENCE (TBR)	
				TOTAL	0.209 (C)	0.000	0.013	0.000	0.013					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
78	NOT USED														
79-WD	PLEASANT MOVE LLC, AN OHIO LIMITED LIABILITY COMPANY	51, 52	IN 201512090172183	010-022222	0.183	0.039	0.039	0.039	0.000			0.144		48 LF FENCE (TBR), (1) 23 LF GATE (TBR)	
T		51, 52						0.014	0.014					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
80-T	HYDRA BASEMENT WATERPROOFING STRUCTURAL REPAIR, LLC, AN OHIO LIMITED LIABILITY COMPANY	51-54	IN 201908090100687	010-074784	0.313 (C)	0.000	0.015	0.000	0.015					6' SIGN (TBR) (*1) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
81A-WD	THE BRYDEN REALTY COMPANY	51-54	DB 1048, PG 259	NO PID	0.044 (C)	0.044	0.044	0.044	0.000			0.000			
81-T	THE NEW PALISTINE BAPTIST CHURCH	51-54	OR 28377, PG B01	010-053988	0.099	0.000	0.004	0.000	0.004					6 LF GUARDRAIL (TBR)	
				010-093339	0.135	0.000	0.006	0.000	0.006					3' SIGN (TBR)	
			OR 25654, PG I14	010-076505	0.321	0.000	0.021	0.000	0.021					6.5' SIGN (TBR) (*1)	
				010-126285	0.212	0.000	0.008	0.000	0.008					TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING	
				TOTAL	0.767	0.000	0.039	0.000	0.039						
82-83	NOT USED														

FEDERAL PROJECT NO. 0  
PID NO. 0  
STATE JOB NO. 0  
R/W DESIGNER JBY  
R/W REVIEWER ATJ  
SUMMARY OF ADDITIONAL RIGHT OF WAY  
HUDSON ST

3575-E

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.  
NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.  
(c) = CALCULATED AREA

TYPES OF TITLE LEGEND:  
WD = WARRANTY DEED  
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REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
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DATE COMPLETED :	06/05/2020	

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
68	NOT USED						
69A-WD	BLLIE JEAN WARD	109, 111	51, 52	DB 3427, PG 140	NO PID	948 E. HUDSON ST., COLUMBUS, OH 43231	
69-WD T	RICHARD D. BLUME	109, 111 220, 221	51, 52 51, 52	OR 7666, PG J20 IN 199805290131005	010-022224 010-022225	948 E. HUDSON ST., COLUMBUS, OH 43231	3 TREES (TBR), 1 FLAG POLE (TBR)
70	NOT USED						
71-T	ANTHONY REAL ESTATE INVESTMENTS, LLC, AN OHIO LIMITED LIABILITY COMPANY	109, 111	51, 52	IN 200510200220888	010-074777 010-074778 010-074779	947 E. HUDSON ST., COLUMBUS, OH 43231	1 SIGN (TBR)
72-73	NOT USED						
74-T	ALL SEASON AUTO MAINT. LLC, AN OHIO LIMITED LIABILITY COMPANY	111	51, 52	IN 201508030106480	010-074780	951 E. HUDSON ST., COLUMBUS, OH 43231	4.5 SIGN (DND) (*4.5')
75-WD T	PEACHTREE LTD., AN OHIO LIMITED LIABILITY COMPANY	111	51, 52 51, 52	IN 201903220032489	010-088950	954 E. HUDSON ST., COLUMBUS, OH 43231	4' SIGN (DND) (*1')
76-WD T	RICHARD D. BLUME	111	51, 52	IN 200808140124103	010-093957	962 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
77-P T	YADIRA HAWKINS	111	51, 52 51, 52	IN 201204230055528	010-074781 010-074782	967 E. HUDSON ST., COLUMBUS, OH 43231	34 LF FENCE (TBR), 6' SIGN (TBR) (*6'), (2) 4" BOLLARD (TBR) 3 BUMPER BLOCKS (TBR)
78	NOT USED						
79-WD T	PLEASANT MOVE LLC, AN OHIO LIMITED LIABILITY COMPANY	111	51, 52 51, 52	IN 201512090172183	010-022222	970 E. HUDSON ST., COLUMBUS, OH 43231	
80-T	HYDRA BASEMENT WATERPROOFING STRUCTURAL REPAIR, LLC, AN OHIO LIMITED LIABILITY COMPANY	111	51, 52, 53, 54	IN 201908090100687	010-074784	975-981 E. HUDSON ST., COLUMBUS, OH 43231	1 SHRUB (TBR), 1 TREE (TBR)
81A-WD	THE BRYDEN REALTY COMPANY	111	51, 52, 53, 54	DB 1048, PG 259	NO PID	1000 E. HUDSON ST., COLUMBUS, OH 43231	
81-T	THE NEW PALISTINE BAPTIST CHURCH	111, 113	51, 52, 53, 54	OR 28377, PG B01 OR 25654, PG I14	010-053988 010-933399 010-076505 010-126285	1000 E. HUDSON ST., COLUMBUS, OH 43231	6.5' SIGN (TBR) (*1')
82-83	NOT USED						

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED :		06/05/2020

FEDERAL PROJECT NO. **0**  
 PID NO. **0**  
 STATE JOB NO. **0**  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS**  
**HUDSON ST**  
 18 / 72  
 481  
 535

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**  
 ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
													100% LOCAL		
83A-WD	LAURA J. HAAG	53, 54	DB 495, PG 367	NO PID	0.089 (C)	0.089	0.089	0.089	0.000		0.000				
84A-WD	CHARLES A. EVERITT	53, 54	DB 1444, PG 518 DB 1444, PG 547	NO PID	0.098 (C)	0.098	0.098	0.098	0.000		0.000				
84	NOT USED														
85-P T	JERRY BRIGGS	53, 54	IN 200010230214448	010-074787 010-074786 010-074787 TOTAL	0.105 (C) 0.104 (C) 0.105 (C) 0.209 (C)	0.000 0.000 0.000 0.000	0.001 0.003 0.004 0.007	0.000 0.000 0.000 0.000	0.001 0.003 0.004 0.007				5' SIGN (DND) (*2.5') TO PERFORM GRADING		
86	NOT USED														
87-P1 P2 T	LEENA INC., AN OHIO CORPORATION	53, 54	IN 202002040016593	010-074788 010-074794 010-074788 010-074789 010-074790 010-074794 TOTAL	0.105 (C) 0.104 (C) 0.105 (C) 0.104 (C) 0.104 (C) 0.418 (C) 0.731 (C)	0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.001 0.001 0.007 0.007 0.004 0.016 0.034	0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.001 0.001 0.007 0.007 0.004 0.016 0.034				(87-P1 = 24 SF), 1 LIGHT POLE (TBR) (87-P2 = 43 SF), 1 LIGHT POLE & 23 LF FENCE (TBR) 183 LF FENCE (TBR), (2) 45 LF SLIDING DOUBLE GATES (TBR), 2 LIGHT POLES (TBR), 4 BUMPER BLOCKS (TBR) TO CONSTRUCT TWO DRIVEWAYS AND PERFORM GRADING'		
88-90	NOT USED														
91-T	MARGIE A. COOK	53, 54	IN 201002090016167 OR 5439, PG F05	010-076503	0.288	0.000	0.014	0.000	0.014				11 LF GATE (TBR), 14 LF FENCE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING		
92-WD T	JERRY RAAB	53-56	OR 341, PG B18	010-095792 010-095792 010-076506 010-079668 010-079669 010-079670 TOTAL	0.190 0.190 0.125 (C) 0.119 (C) 0.119 (C) 0.237 (C) 0.790 (C)	0.036 0.036 0.000 0.008 0.000 0.000 0.000	0.036 0.008 0.005 0.008 0.007 0.016 0.044	0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.008 0.005 0.008 0.007 0.016 0.044		0.154		(REC. AC. = 0.19) (REC. AC. = 0.19) TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING		
93-96	NOT USED														
97-P T	UNDEFEATED INVESTMENTS LLC	53-56 53-56	IN 201505290070513	010-074795 010-074795 010-074797 TOTAL	0.209 (C) 0.209 (C) 0.104 (C) 0.313 (C)	0.000 0.000 0.000 0.000	0.001 0.008 0.006 0.014	0.000 0.000 0.000 0.000	0.001 0.008 0.006 0.014				9 TOT. PARK. STALLS (TBR) , (8) PERMANENTLY DUE TO PROJECT IMPROVEMENTS, 5 WITHIN R/W TAKES 1 BOLLARD (TBR) TO CONSTRUCT ONE DRIVEWAY AND PERFORM GRADING		
98	NOT USED														
99-T	NOOR REALTY INVESTMENT, INC.	55, 56	IN 200805050068948	010-079672	0.453 (C)	0.000	0.027	0.000	0.027				1 PARKING STALLS (TBR) TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING		

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
 SUMMARY OF ADDITIONAL RIGHT OF WAY  
 HUDSON ST  
 19 / 72

**3575 - E**

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
 T = TEMPORARY CONSTRUCTION EASEMENT  
 P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED :		06/05/2020

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482  
535

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
83A-WD	LAURA J. HAAG	111	53, 54	DB 495, PG 367	VPN UNKNOWN	1000 E. HUDSON ST., COLUMBUS, OH 43231	
84A-WD	CHARLES A. EVERITT	111, 113	53, 54	DB 1444, PG 518 DB 1444, PG 547	VPN UNKOWN	1014 E. HUDSON ST., COLUMBUS, OH 43231	
84	NOT USED						
85-P T	JERRY BRIGGS	111	53, 54 53, 54	IN 200010230214448	010-074786 010-074787	985 E. HUDSON ST., COLUMBUS, OH 43231	5' SIGN (DND) (*2.5'), 12 LF BLOCK WALL (TBR)
86	NOT USED						
87-P1 P2 T	LEENA INC., AN OHIO CORPORATION	111, 113	53, 54 53, 54 53, 54	IN 201112020157287	010-074788 010-074789 010-074790 010-074794	1015 E. HUDSON ST., COLUMBUS, OH 43231	
88-90	NOT USED						
91-T	MARGIE A. COOK	113	53, 54	IN 201002090016167 OR 5439, PG F05	010-076503	1014 E. HUDSON ST., COLUMBUS, OH 43231	
92-WD T	JERRY RAAB	113	53, 54, 55, 56 53, 54, 55, 56	OR 341, PG B18	010-095792 010-076506 010-079668 010-079669 010-079670	1036-1044 E. HUDSON ST., COLUMBUS, OH 43231	
93-96	NOT USED						
97-P T	UNDEFEATED INVESTMENTS LLC	113	53, 54, 55, 56 53, 54, 55, 56	IN 201505290070513	010-074795 010-074797	1041 E. HUDSON ST., COLUMBUS, OH 43231	
98	NOT USED						
99-T	NOOR REALTY INVESTMENT, INC.	113, 115	53, 54, 55, 56	IN 200805050068948	010-079672	1062-1066 E. HUDSON ST., COLUMBUS, OH 43231	11 PARKING STALLS (TBR)

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO. **0**  
 PID NO. **0**  
 STATE JOB NO. **0**  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS**  
**HUDSON ST**  
 20/72  
 483  
 535

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**  
 ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
100-T	MOHAMMED BARZINJI	55, 56	IN 201004140044603	010-074799	0.209 (C)	0.000	0.016	0.000	0.016				100% LOCAL	91 LF FENCE (TBR), (1) 16 LF GATE (TBR)	
			IN 200708220147912	010-074800	0.104 (C)	0.000	0.003	0.000	0.003					4" STEEL POST (TBR)	
				TOTAL	0.313 (C)	0.000	0.019	0.000	0.019					TO CONSTRUCT TWO DRIVEWAYS AND PERFORM GRADING	
101	NOT USED														
102-WD	L&N - UP ALUM CREEK, LLC, AN OHIO LIMITED LIABILITY COMPANY	55, 56	IN 201107250091710	010-074801	0.092 (C)	0.000	0.006	0.000	0.006					0.086	TO PERFORM GRADING
103-WD	HOUSE OF PRAYER (CHURCH OF ANCIENT HEBREWS)	55, 56	IN 200608110159078	010-074802	0.345 (C)	0.000	0.002	0.000	0.002					0.343	(103-WD = 78 SF) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING
104A-WD	JAMES D. BEEKMAN AND JUNE L. BEEKMAN	55, 56	DB 3340, PG 521	NO PID	0.047 (C)	0.047	0.047	0.047	0.000						
104B-WD	HENRIETTA W. KINER (1/6 INT.) THE CITY OF COLUMBUS, OHIO (5/6 INT.)	55, 56	DB 1374, PG 85 DB 1632, PG 121 DB 1632, PG 124	NO PID	0.047 (C)	0.047	0.047	0.047	0.000						
104-WD	JAMILEH ASSAF	55, 56	IN 201303080038798	010-062655	0.441	0.096	0.096	0.096	0.000			0.224		(REC. AC. = 0.4407) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
105-WD	GOLDMAN PROPERTIES	55, 56	IN 200512070258131	010-048882	0.011	0.007	0.007	0.007	0.000			0.004			
				010-100769	0.155	0.057	0.057	0.057	0.000			0.098		1 PARKING STALLS (TBR), 1 BUMPER BLOCK (TBR)	
				010-050468	0.087	0.000	0.000	0.000	0.000					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
				010-051669	0.087	0.000	0.000	0.000	0.000						
				TOTAL	0.340	0.064	0.064	0.064	0.000			0.276			
				010-048882	0.011	0.000	0.001	0.000	0.001						
				010-100769	0.155	0.000	0.018	0.000	0.018						
				010-050468	0.087	0.000	0.000	0.000	0.000						
				010-051669	0.087	0.000	0.000	0.000	0.000						
106	NOT USED			TOTAL	0.340	0.000	0.019	0.000	0.019						
107-T	GENEVA ANN BEE	55, 56	IN 200706200107968	010-074805	0.118 (C)	0.000	0.010	0.000	0.010					11 LF FENCE (TBR) PERFORM GRADING	
108-P	MIDWEST REAL ESTATE HOLDINGS, LLC, AN OHIO LIMITED LIABILITY CORPORATION	55-58	IN 200412170285786	010-074808	0.235 (C)	0.000	0.001	0.000	0.001					(108-P = 57 SF)	
				010-074806	0.118 (C)	0.000	0.008	0.000	0.008					2 PARKING STALLS, 2 BOLLARDS & 9 LF FENCE (TBR)	
				010-074808	0.235 (C)	0.000	0.023	0.000	0.023					9 LF BLOCK WALL (TBR)	
				TOTAL	0.353 (C)	0.000	0.031	0.000	0.031					TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING	
109	NOT USED														
110-WD	OHIO WHOLESALE AUTO SALES, LLC	55-58	IN 201505150063301	010-062566	0.450	0.082	0.082	0.082	0.000			0.368		142 LF FENCE (TBR) TO PERFORM GRADING	
111-WD	REFLECTIONS II, INC.	57, 58	OR 15880, PG J09	010-093789	0.006 (C)	0.000	0.006	0.000	0.006			0.000		TOTAL TAKE, NOTE (AUDITOR ACREAGE REPRESENTS A DIFFERENT AREA)	
112-P	AHMAD ALKHATIB	57, 58	IN 201905030051415	010-074809	0.350 (C)	0.000	0.001	0.000	0.001					(112-P = 63 SF) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
113-T	JOHN GUNGORTEKIN	57, 58	IN 201706260086174	010-062090	0.328 (C)	0.000	0.026	0.000	0.026					4" POST (TBR), 4" SIGN POST (TBR) TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING	

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
 T = TEMPORARY CONSTRUCTION EASEMENT  
 P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575 - E**

REV. BY	DATE	DESCRIPTION
ATJ	9/29/20	REMOVED LIGHT POLE TBR ON 103-T
FIELD REVIEW BY : ANDREW JORDAN DATE: 06/04/2020		
OWNERSHIP VERIFIED BY : ANDREW JORDAN DATE: 05/12/2020		
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**HUDSON ST**

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
100-T	MOHAMMED BARZINJI	113, 115	55, 56	IN 201004140044603 IN 200708220147912	010-074799 010-074800	1061-1065 E. HUDSON ST., COLUMBUS, OH 43231	
101	NOT USED						
102-WD T	L&N - UP ALUM CREEK, LLC, AN OHIO LIMITED LIABILITY COMPANY	115	55, 56 55, 56	IN 201107250091710	010-074801	E. HUDSON ST., COLUMBUS, OH 43231	
103-WD T	HOUSE OF PRAYER (CHURCH OF ANCIENT HEBREWS)	115	55, 56 55, 56	IN 200608110159078	010-074802	1091 E. HUDSON ST., COLUMBUS, OH 43231	5 BUMPER BLOCKS (TBR), 1 SIGN POST (TBR)
104A-WD	JAMES D. BEEKMAN AND JUNE L. BEEKMAN	115	55, 56 55, 56	DB 3340, PG 521	NO PID	1080 E. HUDSON ST., COLUMBUS, OH 43231	
104B-WD	HENRIETTA W. KINER (1/6 INT.) THE CITY OF COLUMBUS, OHIO (5/6 INT.)	115	55, 56 55, 56	DB 1374, PG 85 DB 1632, PG 121 DB 1632, PG 124	NO PID	1080 E. HUDSON ST., COLUMBUS, OH 43231	
104-WD T	JAMILEH ASSAF	115	55, 56 55, 56	IN 201303080038798	010-062655	1080 E. HUDSON ST., COLUMBUS, OH 43231	2 BOLLARDS (TBR), 1 SIGN (TBR)
105-WD T	GOLDMAN PROPERTIES	115	55, 56 55, 56	IN 200512070258131	010-048882 010-100769 010-050468 010-051669	1084-1086 E. HUDSON ST., COLUMBUS, OH 43231	
106	NOT USED						
107-T	GENEVA ANN BEE	115	55, 56	IN 200706200107968	010-074805	1095-1097 E. HUDSON ST., COLUMBUS, OH 43231	44 LF FENCE (TBR)
108-P T	MIDWEST REAL ESTATE HOLDINGS, LLC, AN OHIO LIMITED LIABILITY CORPORATION	115	55, 56, 57, 58 55, 56, 57, 58	IN 200412170285786	010-074806 010-074808	1101-1115 E. HUDSON ST., COLUMBUS, OH 43231	4' SIGN (TBR) (*4'), 2 FOOT STONE COLUMN (TBR), 1 STUMP (TBR) 1 SIGN POLE (TBR), 1.5 LF BLOCK WALL (TBR)
109	NOT USED						
110-WD T	OHIO WHOLESALE AUTO SALES, LLC	115	55, 56, 57, 58 55, 56, 57, 58	IN 201505150063301	010-062566	1116 E. HUDSON ST., COLUMBUS, OH 43231	
111-WD	REFLECTIONS II, INC.	115	57, 58	OR 15880, PG J09	010-093789	E. HUDSON ST., COLUMBUS, OH 43231	
112-P T	AHMAD ALKHATIB	115, 117	57, 58	IN 201905030051415	010-074809	1125 E. HUDSON ST., COLUMBUS, OH 43231	1 BUMPER BLOCK (TBR)
113-T	JOHN GUNGORTEKIN	115, 117	57, 58	IN 201706260086174	010-062090	1138 E. HUDSON ST., COLUMBUS, OH 43231	

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY : ANDREW JORDAN	DATE: 06/04/2020	
OWNERSHIP VERIFIED BY : ANDREW JORDAN	DATE: 05/12/2020	
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO.	0
PID NO.	0
STATE JOB NO.	0
R/W DESIGNER JBY	
R/W REVIEWER ATJ	
<b>SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS</b>	
<b>HUDSON ST</b>	
22/72	485 535

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
													100% LOCAL		
114-T	MIGUEL ESCOBAR	57, 58	IN 201905080053660	010-074812	0.353 (C)	0.000	0.018	0.000	0.018					12 LF FENCE (TBR) 6.5' SIGN (TBR) (*2.5') TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
115A-WD	ARTHUR H. KINER	57, 58	DB 326, PG 464	NO PID	0.217 (C)	0.217	0.217	0.217	0.000		0.000				
115-T	MARY J. CUNNINGHAM AKA MARY SHARP CUNNINGHAM, AKA MARY J. SHARP CUNNINGHAM, AND AKA MARY J. SHARP-CUNNINGHAM	57, 58	IN 201505290070529 IN 200803270046498	010-063104	0.118	0.000	0.005	0.000	0.005					1 TREE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
116-T	SOA PROPERTIES, LLC, AN OHIO LIMITED LIABILITY COMPANY	57, 58	IN 201912130167878	010-062782	0.118	0.000	0.007	0.000	0.007					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
117-T	TIFFANIE CARDANI	57, 58	IN 201604120044154	010-087975	0.120	0.000	0.009	0.000	0.009					13 LF HANDRAIL (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
118-WD T	BALIYABHE RELIABLE SERVICES LLC	57, 58 57, 58	IN 201312300211313	010-074815	0.115 (C)	0.000	0.001 0.002	0.000 0.000	0.001 0.002				0.114	1 POST (TBR), (118-WD = 44 SF) TO PERFORM GRADING	
119-WD T	MICHAEL SANDERS	57, 58 57, 58	IN 201607010084914	010-058320	0.120	0.000	0.002 0.005	0.000 0.000	0.002 0.005		0.118			(119-WD = 69 SF) 1 STUMP (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
120-WD T	SUZANNE GEHRING	57, 58 57, 58	IN 199911050278648 DB 3491, PG 102	010-058319	0.120	0.000	0.001 0.006	0.000 0.000	0.001 0.006		0.119			(120-WD = 17 SF) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
121-WD T	BERNADETTE DAVIS	57, 58 57, 58	OR 13640, PG B16	010-029460	0.120	0.000	0.001 0.005	0.000 0.000	0.001 0.005		0.119			(121-WD = 50 SF) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
122-WD T	UMMAT-RASSUL, AN OHIO CORPORATION, NOT FOR PROFIT	57-60 57-60	IN 201205240073749	010-074817 010-074817 010-074818 010-072504 TOTAL	0.225 (C) 0.225 (C) 0.113 (C) 0.126 (C) 0.464 (C)	0.000 0.000 0.000 0.000 0.000	0.001 0.011 0.007 0.007 0.025	0.000 0.000 0.000 0.000 0.000	0.001 0.011 0.007 0.007 0.025			0.226	1 POST (TBR), (122-WD = 56 SF), 1 PARKING STALL (TBR) 1 PARKING STALLS (TBR) 3.5' x 3.5' SIGN (TBR) (*2') TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING		
123-T	KEITH GEHRING	57, 58	IN 200709200165902	010-029463	0.120	0.000	0.005	0.000	0.005					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
124-T	CENTRAL CONGREGATION OF JEHOVAH'S WITNESSES, COLUMBUS, OHIO, AN OHIO CORPORATION	59, 60	IN 20120170156684	010-093773	0.524 (C)	0.000	0.020	0.000	0.020					1 SHRUBS (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
125-126	NOT USED														
127-P T	CENTRAL CONGREGATION OF JEHOVAH'S WITNESSES, COLUMBUS, OHIO, AN OHIO CORPORATION	59, 60 59, 60	IN 201210170156684	010-075341 010-075340 010-075341 TOTAL	0.126 (C) 0.126 (C) 0.126 (C) 0.252 (C)	0.000 0.000 0.000 0.000	0.001 0.008 0.009 0.017	0.000 0.000 0.000 0.000	0.001 0.008 0.009 0.017					(127-P = 50 SF), 22 LF FENCE (TBR) 3 SHRUBS (TBR), 1 TREE (TBR), 83 LF FENCE (TBR) 1 LIGHT POLE (TBR) TO PERFORM GRADING	

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**HUDSON ST**

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
 T = TEMPORARY CONSTRUCTION EASEMENT  
 P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
114-T	MIGUEL ESCOBAR	117	57, 58	IN 201905080053660	010-074812	1141 E. HUDSON ST., COLUMBUS, OH 43231	110 LF FENCE (TBR), (1) 19 LF GATE (TBR) 6.5' SIGN (TBR) (*2.5')
115A-WD	ARTHUR H. KINER	115, 117	57, 58	DB 326, PG 464	NO PID	1144 E. HUDSON ST., COLUMBUS, OH 43231	
115-T	MARJ J. CUNNINGHAM AKA MARY SHARP CUNNINGHAM, AKA MARY J. SHARP CUNNINGHAM, AND AKA MARY J. SHARP-CUNNINGHAM	117	57, 58	IN 201505290070529 IN 200803270046498	010-063104	1144 E. HUDSON ST., COLUMBUS, OH 43231	
116-T	SOA PROPERTIES, LLC, AN OHIO LIMITED LIABILITY COMPANY	117	57, 58	IN 201912130167878	010-062782	1148 E. HUDSON ST., COLUMBUS, OH 43231	
117-T	TIFFANIE CARDANI	117	57, 58	IN 201604120044154	010-087975	1154 E. HUDSON ST., COLUMBUS, OH 43231	
118-WD T	BALIYABHE RELIABLE SERVICES LLC	117	57, 58 57, 58	IN 201312300211313	010-074815	1155 E. HUDSON ST., COLUMBUS, OH 43231	BLOCK WALL (TBR)
119-WD T	MICHAEL SANDERS	117	57, 58 57, 58	IN 201607010084914	010-058320	1160 E. HUDSON ST., COLUMBUS, OH 43231	1 POST (TBR)
120-WD T	SUZANNE GEHRING	117	57, 58 57, 58	IN 199911050278648 DB 3491, PG 102	010-058319	1164 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
121-WD T	BERNADETTE DAVIS	117	57, 58 57, 58	OR 13640, PG B16	010-029460	1170 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR), 1 SHRUB (TBR)
122-WD T	UMMAT-RASSUL, AN OHIO CORPORATION, NOT FOR PROFIT	117	57, 58, 59, 60 57, 58, 59, 60	IN 201205240073749	010-074817 010-074818 010-072504	1173 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR), BLOCK WALL (TBR) 1 PARKING STALL (TBR), 1 SIGN (TBR) 3.5' x 3.5' SIGN (TBR) (*2')
123-T	KEITH GEHRING	117	57, 58, 59, 60	IN 200709200165902	010-029463	1176 E. HUDSON ST., COLUMBUS, OH 43231	
124-T	CENTRAL CONGREGATION OF JEHOVAH'S WITNESSES, COLUMBUS, OHIO, AN OHIO CORPORATION	117	59,60	IN 20120170156684	010-093773	1190 E. HUDSON ST., COLUMBUS, OH 43231	
125-126	NOT USED						
127-P T	CENTRAL CONGREGATION OF JEHOVAH'S WITNESSES, COLUMBUS, OHIO, AN OHIO CORPORATION	117	59,60 59,60	IN 20120170156684	010-075340 010-075341	E. HUDSON ST., COLUMBUS, OH 43231	7 SHRUBS (TBR)

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS**  
**HUDSON ST**  
 24/72

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		

487  
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NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
128	NOT USED												100% LOCAL		
129-T	THE OLD TIME RELIGION HALL	59, 60	OR 14152, PG E07	010-093776	0.128 (C)	0.000	0.012	0.000	0.012					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
130-T	CRAIG EUGENE NULL AND KRISTEN LYNN SCHURICHT	59, 60	IN 202003030032020	010-072508	0.133 (C)	0.000	0.014	0.000	0.014					TO PERFORM GRADING	
131-P T	MAYSOON SHAKER ABUAWAD	59-62	IN 200901150005852	010-075342	0.129 (C)	0.000	0.002	0.000	0.002					1 LIGHT POLE (TBR)	
				010-075342	0.129 (C)	0.000	0.011	0.000	0.011					TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING	
				010-075343	0.126 (C)	0.000	0.008	0.000	0.008						
				010-075344	0.126 (C)	0.000	0.006	0.000	0.006						
				010-075345	0.126 (C)	0.000	0.006	0.000	0.006						
				010-075346	0.126 (C)	0.000	0.008	0.000	0.008						
				TOTAL	0.633 (C)	0.000	0.039	0.000	0.039						
132-135	NOT USED														
136-T	JOHN GUNGORTEKIN	59, 60	IN 201306130098515	010-072510	0.129 (C)	0.000	0.019	0.000	0.019					1 SIGN (TBR)	
														TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
137-T	MATTHEW T.HILDEBRAND	59, 60	IN 201611230161533	010-072511	0.129 (C)	0.000	0.029	0.000	0.029					19 LF FENCE (TBR)	
														TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
138-T	GRANT AVENUE PROPERTIES, LTD. AN OHIO LIMITED LIABILITY COMPANY	59-62	IN 201802220024587	010-074458	0.129 (C)	0.000	0.008	0.000	0.008					1 LIGHT POST (TBR)	
				010-074459	0.129 (C)	0.000	0.009	0.000	0.009					TO PERFORM GRADING	
				TOTAL	0.258 (C)	0.000	0.017	0.000	0.017						
139	NOT USED														
140-P T	KAYED NABABTA	61, 62	IN 200804040051448	010-075347	0.129 (C)	0.000	0.001	0.000	0.001					(140-P = 40 SF), 1 PARKING STALL & 1 CONC BLOCK (TBR)	
		61, 62	IN 199906180155702				0.007	0.000	0.007					1 PARKING STALL (TBR)	
														TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
141-P T	YING WEI WU, AND HONG HONG WU	61, 62	IN 200907020096600	010-074461	0.124 (C)	0.000	0.001	0.000	0.001					(141-P = 21 SF)	
		61, 62		010-074460	0.129 (C)	0.000	0.019	0.000	0.019					1 SHRUB (TBR), 2 PARKING STALLS (TBR)	
				010-074461	0.124 (C)	0.000	0.020	0.000	0.020					5 BUMPER BLOCKS (TBR)	
				TOTAL	0.253 (C)	0.000	0.039	0.000	0.039					8.5' SIGN (TBR) (*2.5')	
														TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
142	NOT USED														
143-P T	AMIR ALQABAE	61, 62	IN 201111150147986	010-075348	0.247 (C)	0.000	0.001	0.000	0.001					(143-P = 53 SF)	
		61, 62					0.023	0.000	0.023					1 TREE (TBR)	
														TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
144-P T	HARRY SOWERS	61, 62	IN 201408010099812	010-074462	0.125 (C)	0.000	0.001	0.000	0.001					(144-P = 13 SF), CONC SIGN BASE (TBR)	
		61, 62					0.009	0.000	0.009					5 LF FENCE (TBR)	
														TO PERFORM GRADING	
145-T	BB'S PROPERTY, LLC, AN OHIO LIMITED LIABILITY COMPANY	61, 62	IN 201206080081545	010-074463	0.125 (C)	0.000	0.009	0.000	0.009					TO PERFORM GRADING	

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**HUDSON ST**

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

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 WD = WARRANTY DEED  
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NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

**3575 - E**

REV. BY	DATE	DESCRIPTION
ATJ	9/9/20	ADDITIONAL AREA FOR 141-T
FIELD REVIEW BY : ANDREW JORDAN		DATE: 06/04/2020
OWNERSHIP VERIFIED BY : ANDREW JORDAN		DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		

25/72  
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PARCEL NO.	OWNER	CONST. SHEET NO.	R/W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
128	NOT USED					1323 E. HUDSON ST., COLUMBUS, OH 43231	
129-T	THE OLD TIME RELIGION HALL	117, 119	59,60	OR 14152, PG E07	010-093776	1200 E. HUDSON ST., COLUMBUS, OH 43231	
130-T	CRAIG EUGENE NULL AND KRISTEN LYNN SCHURICHT	119	59,60	IN 202003030032020	010-072508	1208 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
131-P T	MAYSOON SHAKER ABUAWAD	119	59, 60, 61, 62	IN 200901150005852	010-075342 010-075343 010-075344 010-075345 010-075346	1221 E. HUDSON ST., COLUMBUS, OH 43231	4 TREES (TBR)
132-135	NOT USED						
136-T	JOHN GUNGORTEKIN	119	59, 60	IN 201306130098515	010-072510	1212 E. HUDSON ST., COLUMBUS, OH 43231	
137-T	MATTHEW T.HILDEBRAND	119	59, 60	IN 201611230161533	010-072511	1218 E. HUDSON ST., COLUMBUS, OH 43231	
138-T	GRANT AVENUE PROPERTIES, LTD. AN OHIO LIMITED LIABILITY COMPANY	119	59, 60, 61, 62	IN 201802220024587	010-074458 010-074459	1230 E. HUDSON ST., COLUMBUS, OH 43231	1 STUMP (TBR)
139	NOT USED						
140-P T	KAYED NABABTA	119	61, 62 61, 62	IN 200804040051448 IN 199906180155702	010-075347	1235 E. HUDSON ST., COLUMBUS, OH 43231	1 PARKING STALL (TBR), 1 CONCRETE BLOCK (TBR)
141-P T	YING WEI WU, AND HONG HONG WU	119	61, 62 61, 62	IN 200907020096600	010-074460 010-074461	1236 E. HUDSON ST., COLUMBUS, OH 43231	5 SHRUBS (TBR), 1 TREE (TBR) 5 PARKING STALLS (TBR) 8.5' SIGN (TBR) (*2.5')
142	NOT USED						
143-P T	AMIR ALQABAE	119	61, 62 61, 62	IN 20111150147986	010-075348	1249 E. HUDSON ST., COLUMBUS, OH 43231	
144-P T	HARRY SOWERS	119	61, 62 61, 62	IN 201408010099812	010-074462	1250 E. HUDSON ST., COLUMBUS, OH 43231	76 LF FENCE (TBR)
145-T	BB'S PROPERTY, LLC, AN OHIO LIMITED LIABILITY COMPANY	119	61, 62	IN 201206080081545	010074463	1256 E. HUDSON ST., COLUMBUS, OH 43231	2 TREES (TBR)

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY : ANDREW JORDAN	DATE: 06/04/2020	
OWNERSHIP VERIFIED BY : ANDREW JORDAN	DATE: 05/12/2020	
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO.	0
PID NO.	0
STATE JOB NO.	0
R/W DESIGNER JBY	
R/W REVIEWER ATJ	
<b>SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS</b>	
<b>HUDSON ST</b>	
26	72
489	535

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
													100% LOCAL		
146-T	COLUMBUS CHOICE RENTALS LLC, A LIMITED LIABILITY COMPANY	61, 62	IN 201810250145973	010-075350	0.247 (C)	0.000	0.014	0.000	0.014					1 STUMP (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
147-T	CITY OF COLUMBUS	61, 62	IN 201402280024889	010-074464	0.125 (C)	0.000	0.007	0.000	0.007					TO PERFORM GRADING	
148-T	TERI L. MULLENS AND WENDELL G. MULLENS	61, 62	IN 200406080131455	010-074465	0.125 (C)	0.000	0.008	0.000	0.008					TO PERFORM GRADING	
149-T	HORIZON PROPERTY MANAGEMENT	61, 62	IN 201412180168431	010-074466	0.125 (C)	0.000	0.008	0.000	0.008					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
150-P T	QASIM QABIE	61, 62 61, 62	IN 201903060025490	010-075353 010-075352 010-075353	0.124 (C) 0.123 (C) 0.124 (C)	0.000 0.000 0.000	0.001 0.009 0.008	0.000 0.000 0.000	0.001 0.009 0.008					(150-P = 40 SF) 1 BUMPER BLOCK (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
151	NOT USED				TOTAL 0.247 (C)	0.000	0.017	0.000	0.017						
152-T	JERRY ROBERT GRUBB	61, 62	DB 3386, PG 631	010-074467	0.124 (C)	0.000	0.014	0.000	0.014					1 STUMP (TBR), 2 SHRUBS (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
153-T	JOHNATHAN S. HUTSON	61, 62	IN 200110230243724	010-074468	0.124 (C)	0.000	0.012	0.000	0.012					2 TREES (TBR), 1 SHRUB (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
154-T	FRANCINE LEWIS	61, 62	OR 28353, PG C17	010-074469	0.124 (C)	0.000	0.014	0.000	0.014					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
155-P T	DESMONA R. CLARK	61-64 61-64	IN 200805130073722	010-075354	0.183 (C)	0.000	0.001 0.009	0.000 0.000	0.001 0.009					(155-P = 30 SF) TO PERFORM GRADING	
156-T	THOMAS GESSELLS	61-64	IN 201808310118997	010-074470	0.124 (C)	0.000	0.012	0.000	0.012					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
157-T	CLARENCE O. MARTIN, SR.	63, 64	IN 201404250050884	010-074471	0.124 (C)	0.000	0.010	0.000	0.010					1 STUMP (TBR) TO PERFORM GRADING	
158-T	ST. JAMES BIBLICAL CHRISTIAN CHURCH	63, 64	IN 201402240022534	010-075355 010-075356	0.062 (C) 0.123 (C)	0.000 0.000	0.003 0.008	0.000 0.000	0.003 0.008					5 LF FENCE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
159	NOT USED				TOTAL 0.185 (C)	0.000	0.011	0.000	0.011						
160-T	CRAMP CONSULTING SERVICES, LLC	63, 64	IN 200706220109140	010-074472	0.124 (C)	0.000	0.009	0.000	0.009					TO PERFORM GRADING	
161-P T	ST. JAMES BAPTIST CHURCH, AN OHIO CORPORATION	63, 64 63, 64	DB 3695, PG 497	010-075358	0.124 (C)	0.000	0.001 0.021	0.000 0.000	0.001 0.021					1 PARKING STALL (TBR), (161-P = 62 SF) 1 PARKING STALL (TBR) TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING	

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**HUDSON ST**

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
 T = TEMPORARY CONSTRUCTION EASEMENT  
 P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575 - E**

REV. BY	DATE	DESCRIPTION
JBY	8/5/20	147 & 148: REMOVE CONSTRUCT DRIVE
FIELD REVIEW BY : ANDREW JORDAN		DATE: 06/04/2020
OWNERSHIP VERIFIED BY : ANDREW JORDAN		DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/ W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
146-T	COLUMBUS CHOICE RENTALS LLC, A LIMITED LIABILITY COMPANY	119, 121	61, 62	IN 201810250145973	010-075350	1259 E. HUDSON ST., COLUMBUS, OH 43231	
147-T	CITY OF COLUMBUS	119	61, 62	IN 201402280024889	010-074464	1262 E. HUDSON ST., COLUMBUS, OH 43231	
148-T	TERI L. MULLENS AND WENDELL G. MULLENS	119, 121	61, 62	IN 200406080131455	010-074465	1268 E. HUDSON ST., COLUMBUS, OH 43231	
149-T	HORIZON PROPERTY MANAGEMENT	121	61, 62	IN 201412180168431	010-074466	1272 E. HUDSON ST., COLUMBUS, OH 43231	
150-P T	QASIM QABLE	121	61, 62 61, 62	IN 201903060025490	010-075352 010-075353	1277 E. HUDSON ST., COLUMBUS, OH 43231	1 WOOD SIGN (TBR) 2 BUMPER BLOCKS (TBR)
151	NOT USED						
152-T	JERRY ROBERT GRUBB	121	61, 62	DB 3386, PG 631	010-074467	1278 E. HUDSON ST., COLUMBUS, OH 43231	
153-T	JOHNATHAN S. HUTSON	121	61, 62	IN 200110230243724	010-074468	1282 E. HUDSON ST., COLUMBUS, OH 43231	
154-T	FRANCINE LEWIS	121	61, 62	OR 28353, PG C17	010-074469	1288 E. HUDSON ST., COLUMBUS, OH 43231	
155-P T	DEMONA R. CLARK	121	61, 62, 63, 64 61, 62, 63, 64	IN 200805130073722	010-075354	1289 E. HUDSON ST., COLUMBUS, OH 43231	2 TREES (TBR), 1 POST (TBR)
156-T	THOMAS GESSELLS	121	61, 62, 63, 64	IN 201808310118997	010-074470	1294 E. HUDSON ST., COLUMBUS, OH 43231	
157-T	CLARENCE O. MARTIN, SR.	121	63, 64	IN 201404250050884	010-074471	1298 E. HUDSON ST., COLUMBUS, OH 43231	
158-T	ST. JAMES BIBLICAL CHRISTIAN CHURCH	121	63, 64	IN 201402240022534	010-075355 010-075356	1301 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR) 1.5 LF FENCE (TBR)
159	NOT USED						
160-T	CRAMP CONSULTING SERVICES, LLC	121	63, 64	IN 200706220109140	010-074472	1304-1306 E. HUDSON ST., COLUMBUS, OH 43231	
161-P T	ST. JAMES BAPTIST CHURCH, AN OHIO CORPORATION	121	63, 64 63, 64	DB 3695, PG 497	010-075358	1311 E. HUDSON ST., COLUMBUS, OH 43231	2 BOLLARDS (TBR), 2 TREES (TBR), 4 BUMPER BLOCKS (TBR) 4 POSTS W/ 4 SWING GATE (TBR)

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY : ANDREW JORDAN	DATE: 06/04/2020	
OWNERSHIP VERIFIED BY : ANDREW JORDAN	DATE: 05/12/2020	
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS**  
**HUDSON ST**  
 28/72  
 491  
 535

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
													100% LOCAL		
162-T	TEATIME INVESTMENTS LLC AN OHIO LIMITED LIABILITY COMPANY	63, 64	IN 201604070041696	010-074473	0.124 (C)	0.000	0.008	0.000	0.008					1 LIGHT POST (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
163-P T	1320 EAST HUDSON INC., AN OHIO CORPORATION	63, 64 63, 64	IN 201902220020547	010-074474	0.252 (C)	0.000	0.001 0.020	0.000	0.001 0.020					1 MOVEABLE SIGN (TBR), (163-P = 43 SF) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
164-P T	VIVIAN C. JAMISON	63, 64 63, 64	IN 200710150179860 DB 2924, PG 229	010-075360	0.121 (C)	0.000	0.002 0.006	0.000	0.002 0.006					(164-P = 66 SF) 10 LF FENCE (TBR) TO PERFORM GRADING	
165-P T	JOHNATHAN BRYAN	63, 64 63, 64	IN 201606130074379	010-074476	0.124 (C)	0.000	0.001 0.007	0.000	0.001 0.007					(165-P = 52 SF), 1 BRICK BASE (TBR) 1 TREE (TBR) TO PERFORM GRADING	
166-T	GRADY FRANKLIN EVANS, TRUSTEE OF THE DECLARATION OF FAMILY TRUST DATED DECEMBER 23, 2003 AND AMENDED JUNE 20, 2005	63, 64	IN 20101180156048	010-075361	0.121 (C)	0.000	0.007	0.000	0.007					1 SHRUB (TBR) TO PERFORM GRADING	
167-T	BRIAN L. SHARP	63, 64	IN 200605160093809	010-074477	0.124 (C)	0.000	0.007	0.000	0.007					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
168-T	BRENDA ARGUETA	63, 64	IN 201406090071104	010-075362	0.121 (C)	0.000	0.008	0.000	0.008					1 SHRUB (TBR) TO PERFORM GRADING	
169-T	GOLDMAN PROPERTIES, LTD.	63, 64	IN 200012280261313	010-074478	0.124 (C)	0.000	0.010	0.000	0.010					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
170-T	DAISY L JONES	63, 64	IN 200211260302733	010-075363	0.121 (C)	0.000	0.009	0.000	0.009					TO PERFORM GRADING	
171-T	E & J FIVE LLC, A LIMITED LIABILITY COMPANY	63, 64	IN 201508210116786	010-074479	0.124 (C)	0.000	0.008	0.000	0.008					1 STUMP (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
172-T	JOSE LUIS DIAZ	63, 64	IN 201410020130264	010-075364	0.121 (C)	0.000	0.010	0.000	0.010					TO PERFORM GRADING	
173-T	GOLDMAN PROPERTIES, LTD.	63, 64	IN 200110120236342	010-074480	0.124 (C)	0.000	0.008	0.000	0.008					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
174-T	GRADY F. EVANS, SR, TRUSTEE, OF THE R. BERNICE EVANS AND GRADY R. EVANS, SR. TRUST DATED DECEMBER 23, 2003, AMENDED JUNE 21, 2005	63-66	IN 201811290161237 IN 200801240011655	010-060163	0.122 (C)	0.000	0.007	0.000	0.007					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
175-T	DAVID J. RAMIREZ AND COLLEEN D. RAMIREZ	63-66	IN 201701130007318	010-060170	0.124 (C)	0.000	0.006	0.000	0.006					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
 T = TEMPORARY CONSTRUCTION EASEMENT  
 P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575-E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**HUDSON ST**  
 29/72  
 492  
 535

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isoltasz 10/5/2021 10:09:51 AM  
 \\01\2018\02392\C\_Design\02392\_Hudson\_Design\_RW\_Sheets\02392\_RS210.dgn

PARCEL NO.	OWNER	CONST. SHEET NO.	R/ W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
162-T	TEATIME INVESTMENTS LLC AN OHIO LIMITED LIABILITY COMPANY	121	63, 64	IN 201604070041696	010-074473	1310 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
163-P T	1320 EAST HUDSON INC., AN OHIO CORPORATION	121	63, 64 63, 64	IN 201902220020547	010-074474	1320 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
164-P T	VIVIAN C. JAMISON	121, 123	63, 64 63, 64	IN 200710150179860 DB 2924, PG 229	010-0758360	1329 E. HUDSON ST., COLUMBUS, OH 43231	4 LF FENCE (TBR)
165-P T	JOHNATHAN BRYAN	121, 123	63, 64 63, 64	IN 201606130074379	010-074476	1332 E. HUDSON ST., COLUMBUS, OH 43231	20 LF HEDGE ROW (TBR)
166-T	GRADY FRANKLIN EVANS, TRUSTEE OF THE DECLARATION OF FAMILY TRUST DATED DECEMBER 23, 2003 AND AMENDED JUNE 20, 2005	123	63, 64	IN 201011180156048	010-075361	1337 E. HUDSON ST., COLUMBUS, OH 43231	
167-T	BRIAN L. SHARP	123	63, 64	IN 200605160093809	010-074477	1336 E. HUDSON ST., COLUMBUS, OH 43231	
168-T	BRENDA ARGUETA	123	63, 64	IN 201406090071104	010-075362	1341 E. HUDSON ST., COLUMBUS, OH 43231	
169-T	GOLDMAN PROPERTIES, LTD.	123	63, 64	IN 200012280261313	010-074478	1340-1342 E. HUDSON ST., COLUMBUS, OH 43231	
170-T	DAISY L JONES	123	63, 64	IN 200211260302733	010-075363	1345 E. HUDSON ST., COLUMBUS, OH 43231	
171-T	E & J FIVE LLC, A LIMITED LIABILITY COMPANY	123	63, 64	IN 201508210116786	010-074479	1346-1348 E. HUDSON ST., COLUMBUS, OH 43231	
172-T	JOSE LUIS DIAZ	123	63, 64	IN 201410020130264	010-075364	1351 E. HUDSON ST., COLUMBUS, OH 43231	
173-T	GOLDMAN PROPERTIES, LTD.	123	63, 64	IN 200110120236342	010-074480	1352-1354 E. HUDSON ST., COLUMBUS, OH 43231	
174-T	GRADY F. EVANS, SR, TRUSTEE, OF THE R. BERNICE EVANS AND GRADY R. EVANS, SR. TRUST DATED DECEMBER 23, 2003, AMENDED JUNE 21, 2005	123	63, 64, 65, 66	IN 201811290161237 IN 200801240011655	010-060163	1357 E. HUDSON ST., COLUMBUS, OH 43231	
175-T	DAVID J. RAMIREZ AND COLLEEN D. RAMIREZ	123	63, 64, 65, 66	IN 201701130007318	010-060170	1358 E. HUDSON ST., COLUMBUS, OH 43231	

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		

**SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS**  
 HUDSON ST  
 FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
176-T	FIXABLE REAL ESTATE LLC, AN OHIO LIMITED LIABILITY COMPANY	65, 66	IN 201807020087003	010-065083	0.138 (C)	0.000	0.013	0.000	0.013				100% LOCAL	TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
177-T	GRIFFIN D. PIERCE	65, 66	IN 201910040131554	010-060171	0.124 (C)	0.000	0.012	0.000	0.012					2 STUMPS (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
178-T	CYNTHIA Y. JEFFREY AND TIFFANY JEFFREY	65, 66	OR 13003, PG J12 IN 202001300014331	010-069740	0.123 (C)	0.000	0.009	0.000	0.009					25 LF FENCE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
179-T	MAURICIO ARITA	65, 66	IN 201808310118480	010-060173	0.124 (C)	0.000	0.012	0.000	0.012					7 LF ROCK WALL (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
180-T	MS. JILL'S RENTAL PROPERTIES, LLC, AN OHIO LIMITED LIABILITY COMPANY	65, 66	IN 201201270011996	010-061278	0.124 (C)	0.000	0.007	0.000	0.007					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
181-T	SHARRON V. HOLLOWAY NKA SHARRON V. BLACKBURN	65, 66	IN 200403160057600 OR 15064, PG H04	010-069741	0.123 (C)	0.000	0.008	0.000	0.008					1 SHRUB (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
182-T	JAMES H. STOCKS	65, 66	OR 10346, PG D06	010-061279	0.124 (C)	0.000	0.011	0.000	0.011					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
183-T	HENRY A. RICHARDSON AND CAMILLE RICHARDSON	65, 66	IN 200508090160567	010-069742	0.123 (C)	0.000	0.006	0.000	0.006					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
184-T	EVANS R. SMITH AND ROBERTA J. SMITH	65, 66	DB 3666, PG 779 DB 3666, PG 781 DB 3666, PG 783	010-061280	0.124 (C)	0.000	0.008	0.000	0.008					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
185-T	BUENA GENTE LIVING I LLC, A LIMITED LIABILITY COMPANY	65, 66	IN 202004280055117	010-069743	0.123 (C)	0.000	0.007	0.000	0.007					TO PERFORM GRADING	
186-T	MARIA M. RAMIREZ RIVAS	65, 66	IN 201704170051276	010-061281	0.124 (C)	0.000	0.009	0.000	0.009					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
187-WD T	OLGA MARQUEZ CABRERA	65, 66 65, 66	IN 201711160162911	010-069744	0.256 (C)	0.000	0.002 0.012	0.000 0.000	0.002 0.012					(187-WD = 71 SF) TO PERFORM GRADING	
188-T	BASILIO DOMINGUEZ	65, 66	IN 201307160119091	010-061282	0.124 (C)	0.000	0.009	0.000	0.009					1 TREE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
189-WD T	IACOVETTA-MAXWELL ENTERPRISES, A PARTNERSHIP	65, 66 65, 66	OR 13964, PG I05 OR 13964, PG I04	010-061283	0.124 (C)	0.000	0.001 0.008	0.000 0.000	0.001 0.008			0.123		TO PERFORM GRADING	

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
 T = TEMPORARY CONSTRUCTION EASEMENT  
 P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575-E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED :		06/05/2020

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**HUDSON ST**  
 31/72  
 494  
 535

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
176-T	FIXABLE REAL ESTATE LLC, AN OHIO LIMITED LIABILITY COMPANY	123	65, 66	IN 201807020087003	010-065083	1363 E. HUDSON ST., COLUMBUS, OH 43231	
177-T	GRIFFIN D. PIERCE 23, 2003, AMEDNDED JUNE 21, 2005	123	65, 66	IN 201910040131554	010-060171	1364 E. HUDSON ST., COLUMBUS, OH 43231	
178-T	CYNTHIA Y. JEFFREY AND TIFFANY JEFFREY	123	65, 66	OR 13003, PG J12 IN 202001300014331	010-069740	1367 E. HUDSON ST., COLUMBUS, OH 43231	10 LF FENCE (TBR)
179-T	MAURICIO ARITA	123	65, 66	IN 201808310118480	010-060173	1368 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR), 50 LF ROCK WALL (TBR)
180-T	MS. JILL'S RENTAL PROPERTIES, LLC, AN OHIO LIMITED LIABILITY COMPANY	123	65, 66	IN 201201270011996	010-061278	1374 E. HUDSON ST., COLUMBUS, OH 43231	
181-T	SHARRON V. HOLLOWAY NKA SHARRON V. BLACKBURN	123	65, 66	IN 200403160057600 OR 15064, PG H04	010-069741	1373 E. HUDSON ST., COLUMBUS, OH 43231	
182-T	JAMES H. STOCKS	123	65, 66	OR 10346, PG D06	010-061279	1378 E. HUDSON ST., COLUMBUS, OH 43231	
183-T	HENRY A. RICHARDSON AND CAMILLE RICHARDSON	123	65, 66	IN 200508090160567	010-069742	1379 E. HUDSON ST., COLUMBUS, OH 43231	
184-T	EVANS R. SMITH AND ROBERTA J. SMITH	123	65, 66	DB 3666, PG 779 DB 3666, PG 781 DB 3666, PG 783	010-061280	1384 E. HUDSON ST., COLUMBUS, OH 43231	
185-T	BUENA GENTE LIVING I LLC, A LIMITED LIABILITY COMPANY	123	65, 66	IN 202004280055117	010-069743	1383-1385 E. HUDSON ST., COLUMBUS, OH 43231	
186-T	MARIA M. RAMIREZ RIVAS	123	65, 66	IN 201704170051276	010-061281	1390 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
187-WD T	OLGA MARQUEZ CABRERA	123, 125	65, 66 65, 66	IN 201711160162911	010-069744	1393 E. HUDSON ST., COLUMBUS, OH 43231	
188-T	BASILIO DOMINGUEZ	123	65, 66	IN 201307160119091	010-061282	1394 E. HUDSON ST., COLUMBUS, OH 43231	
189-WD T	IACOVETTA-MAXWELL ENTERPRISES, A PARTNERSHIP	123, 125	65, 66 65, 66	OR 13964, PG I05 OR 13964, PG I04	010-061283	1400 E. HUDSON ST., COLUMBUS, OH 43231	

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY : ANDREW JORDAN	DATE: 06/04/2020	
OWNERSHIP VERIFIED BY : ANDREW JORDAN	DATE: 05/12/2020	
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OR RIGHT-OF-WAY ENCROACHMENTS**  
**HUDSON ST**  
 32/72  
 495  
 535

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
NET TAKE = GROSS TAKE - PRO IN TAKE  
ALL AREAS ARE IN ACRES

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
THE CITY OF COLUMBUS, OHIO  
UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
													100% LOCAL		
190-WD T	YEN CHU FRANCH AND CYNTHIA ANN FORD	65, 66 65, 66	IN 200712210218101	010-069746	0.103 (C)	0.000	0.002 0.014	0.000 0.000	0.002 0.014			0.101		TO PERFORM GRADING	
191-WD T	CALVIN B. ESKRIDGE	65, 66 65, 66	OR 34556, PG 105 OR 19708, PG H15	010-061284	0.124 (C)	0.000	0.001 0.011	0.000 0.000	0.001 0.011			0.123		(191-WD = 38 SF) 1 TREE (TBR) TO PERFORM GRADING	
192-T	SHANNON GHLIKHANI	65-68	IN 201306070094672	010-061286	0.247 (C)	0.000	0.020	0.000	0.020					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
193-T	MOHAMMED GHIATH AMMAR	65, 66	IN 201607250095663	010-069747	0.119 (C)	0.000	0.008	0.000	0.008					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
194-T	LEONIDES A. MALDONADO	65-68	IN 202002050017523	010-069748	0.119 (C)	0.000	0.009	0.000	0.009					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
195-T	ANN T. NGUYEN AKA ANNHTUYET T. NGUYEN	67, 68	IN 200504260077682 DB 3616, PG 287	010-061287	0.124 (C)	0.000	0.015	0.000	0.015					27 LF CONC WALL (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
196-T	DARLENE DAVIS	67, 68	IN 201804160049656	010-069749	0.119 (C)	0.000	0.008	0.000	0.008					19 LF HEDGE ROW (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
197-T	KENDRA V. LESLEY	67, 68	IN 201907100083754	010-061288	0.124 (C)	0.000	0.013	0.000	0.013					19 LF CONC WALL (TBR), 1 TREE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
198-WD T	LIGGETT LIMITED PARTNERSHIP, AN OHIO LIMITED PARTNERSHIP	67, 68 67, 68	OR 30715, PG 119	010-060164	0.520	0.070	0.070 0.019	0.070 0.000	0.000 0.019			0.450		(REC. AC. = 0.52) 2 BUMPER BLOCKS (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
199-T	JLP INVESTMENTS, LLC	67, 68	IN 201205100066237	010-061289	0.124 (C)	0.000	0.015	0.000	0.015					14 LF HEDGE ROW (TBR), 1 SHRUB (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
200-T	MICHAEL J. PORTER AND CALLIE M. MCKINNON	67, 68	OR 19559, PG A08	010-061290	0.118 (C)	0.000	0.013	0.000	0.013					23 LF CONC WALL (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
201-T	FREDERICK D. FEREBEE	67, 68	IN 200211140289790	010-061291 010-061292 TOTAL	0.129 (C) 0.124 (C) 0.253 (C)	0.000	0.016 0.014 0.030	0.000	0.016 0.014 0.030					1 TREE (TBR), 1 YARD LIGHT (TBR) TO CONSTRUCT TWO DRIVEWAYS AND TO PERFORM GRADING	
202	NOT USED														
203-T	WAYNE MARTIN	67, 68	IN 200504070065033	010-060960	0.144 (C)	0.000	0.013	0.000	0.013					TO PERFORM GRADING	
204-T	RICHARD H. ANDERSON AND MALINDA R. ANDERSON	67, 68	OR 32044, PG B01 OR 31229, PG J13	010-060979	0.126 (C)	0.000	0.014	0.000	0.014					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	

FEDERAL PROJECT NO. 0  
PID NO. 0  
STATE JOB NO. 0  
SUMMARY OF ADDITIONAL RIGHT OF WAY  
HUDSON ST  
33/72  
496  
535

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
WD = WARRANTY DEED  
T = TEMPORARY CONSTRUCTION EASEMENT  
P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		



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PARCEL NO.	OWNER	CONST. SHEET NO.	R/ W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
190-WD T	YEN CHU FRANCH AND CYNTHIA ANN FORD	125	65, 66 65, 66	IN 200712210218101	010-069746	1411 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
191-WD T	CALVIN B. ESKRIDGE	125	65, 66 65, 66	OR 34556, PG I05 OR 19708, PG H15	010-061284	1412 E. HUDSON ST., COLUMBUS, OH 43231	2 BOLLARDS (TBR) 1 TREE (TBR)
192-T	SHANNON GHLIKHANI	125	65, 66, 67, 68	IN 201306070094672	010-061286	1416 E. HUDSON ST., COLUMBUS, OH 43231	
193-T	MOHAMMED GHIATH AMMAR	125	65, 66	IN 201607250095663	010-069747	1417 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
194-T	LEONIDES A. MALDONADO	125	65, 66, 67, 68	IN 202002050017523	010-069748	1423 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
195-T	ANN T. NGUYEN AKA ANNHTUYET T. NGUYEN	125	67,68	IN 200504260077682 DB 3616, PG 287	010-061287	1428 E. HUDSON ST., COLUMBUS, OH 43231	34 LF CONC WALL (TBR)
196-T	DARLENE DAVIS	125	67,68	IN 201804160049656	010-069749	1429 E. HUDSON ST., COLUMBUS, OH 43231	37 LF HEDGE ROW (TBR), 2 SHRUBS (TBR)
197-T	KENDRA V. LESLEY	125	67,68	IN 201907100083754	010-061288	1432 E. HUDSON ST., COLUMBUS, OH 43231	3 LF CONC WALL (TBR)
198-WD T	LIGGETT LIMITED PARTNERSHIP, AN OHIO LIMITED PARTNERSHIP	125	67,68 67,68	OR 30715, PG I19	010-060164	1437-1439 E. HUDSON ST., COLUMBUS, OH 43231	3 BUMPER BLOCKS (TBR)
199-T	JLP INVESTMENTS, LLC	125	67,68	IN 201205100066237	010-061289	1438 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)
200-T	MICHAEL J. PORTER AND CALLIE M. MCKINNON	125	67,68	OR 19559, PG A08	010-061290	1442 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR), 56 LF CONC WALL (TBR)
201-T	FREDERICK D. FEREBEE	125	67,68	IN 200211140289790	010-061291 010-061292	1448-1454 E. HUDSON ST., COLUMBUS, OH 43231	
202	NOT USED						
203-T	WAYNE MARTIN	125	67,68	IN 200504070065033	010-060960	1449 E. HUDSON ST., COLUMBUS, OH 43231	
204-T	RICHARD H. ANDERSON AND MALINDA R. ANDERSON	125	67,68	OR 32044, PG B01 OR 31229, PG J13	010-060979	1453 E. HUDSON ST., COLUMBUS, OH 43231	1 TREE (TBR)

3575 - E

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY : ANDREW JORDAN	DATE: 06/04/2020	
OWNERSHIP VERIFIED BY : ANDREW JORDAN	DATE: 05/12/2020	
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO.	0
PID NO.	0
STATE JOB NO.	0
R/W DESIGNER JBY	
R/W REVIEWER ATJ	
<b>SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS</b>	
<b>HUDSON ST</b>	
34/72	497 535

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
													100% LOCAL		
205-T	GOLDMAN PROPERTIES, LTD., AN OHIO LIMITED LIABILITY COMPANY	67, 68	IN 200508020155002	010-061293	0.124 (C)	0.000	0.013	0.000	0.013					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
206-T	J & F AUTO SALES LLC	67, 68	IN 201708110110937	010-060978	0.126 (C)	0.000	0.013	0.000	0.013					1 POST (TBR), 1 SHRUB (TBR), 1 TREE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
207-T	STELLA V. COLES	67, 68	OR 498, PG J16 DB 3268, PG 92	010-061294	0.124 (C)	0.000	0.015	0.000	0.015					33 LF FENCE (TBR), 6 LF WOOD RAMP (TBR) TO PERFORM GRADING	
208-T	GARY L. EVANS	67, 68	IN 200508010152837 OR 1074, PG E02	010-060977	0.126 (C)	0.000	0.010	0.000	0.010					1 SHRUB (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
209-T	JOSEPH F. SCHMITZ	67, 68	IN 201901080002716	010-061295	0.124 (C)	0.000	0.010	0.000	0.010					6 LF HEDGE ROW (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
210-T	ANTHONY L. HILLMAN	67-70	IN 200402190035899	010-061296	0.124 (C)	0.000	0.007	0.000	0.007					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
211-T	MUSICK PROPERTIES, LLC, AN OHIO LIMITED LIABILITY COMPANY	67-70	IN 201911130150859	010-060976	0.126 (C)	0.000	0.009	0.000	0.009					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
212-T	ANTONIO MALONE	69, 70	IN 201907090083146	010-061297	0.124 (C)	0.000	0.009	0.000	0.009					9 LF FENCE (TBR), 2'X2' CONC PAD (TBR) TO PERFORM GRADING	
213-T	TYRONE JAMAR	69, 70	IN 201310240180026 IN 200309250306395	010-060975	0.126 (C)	0.000	0.007	0.000	0.007					6 LF FENCE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
214-T	JAMES E. CATES, TRUSTEE, CATES FAMILY FOUNDATION TRUST	69, 70	IN 200907150103469	010-060974	0.126 (C)	0.000	0.008	0.000	0.008					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
215-T	JAMES E. CATES, TRUSTEE, THE CATES FAMILY FOUNDATION TRUST	69, 70	IN 200907150103472	010-060973	0.146 (C)	0.000	0.011	0.000	0.011					TO PERFORM GRADING	
216-P T	FARADONIA INVESTMENT LLC	69, 70	IN 201812210173049	010-061298	0.131 (C)	0.000	0.001 0.008	0.000 0.000	0.001 0.008					(216-P = 18 SF) 13 LF FENCE (TBR), 1 BRICK POST (TBR) TO PERFORM GRADING	
217-T	JACOB H. LUTEYN AND SARA ELIZABETH BACE	69, 70	IN 201909130118940	010-061299	0.131 (C)	0.000	0.009	0.000	0.009					1 TREE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
218-T	WALTER L. THOMAS JR.	69, 70	OR 12877, PG J16	010-061300	0.131 (C)	0.000	0.006	0.000	0.006					1 TREE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
 T = TEMPORARY CONSTRUCTION EASEMENT  
 P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY : ANDREW JORDAN	DATE: 06/04/2020	
OWNERSHIP VERIFIED BY : ANDREW JORDAN	DATE: 05/12/2020	
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**HUDSON ST**  
 35/72  
 498  
 535

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
205-T	GOLDMAN PROPERTIES, LTD., AN OHIO LIMITED LIABILITY COMPANY	125	67,68	IN 200508020155002	010-061293	1458 E. HUDSON ST., COLUMBUS, OH 43231	
206-T	J & F AUTO SALES LLC	125, 127	67,68	IN 201708110110937	010-060978	1461 E. HUDSON ST., COLUMBUS, OH 43231	
207-T	STELLA V. COLES	125, 127	67,68	OR 498, PG J16 DB 3268, PG 92	010-061294	1464 E. HUDSON ST., COLUMBUS, OH 43231	4 LF FENCE (TBR), 1 MECHANICAL LIFT (TBR)
208-T	GARY L. EVANS	127	67,68	IN 200508010152837 OR 1074, PG E02	010-060977	1467 E. HUDSON ST., COLUMBUS, OH 43231	8 SHRUBS (TBR)
209-T	JOSEPH F. SCHMITZ	127	67,68	IN 201901080002716	010-061295	1470 E. HUDSON ST., COLUMBUS, OH 43231	2.5 LF HEDGE ROW (TBR)
210-T	ANTHONY L. HILLMAN	127	67, 68, 69, 70	IN 200402190035899	010-061296	1474 E. HUDSON ST., COLUMBUS, OH 43231	
211-T	MUSICK PROPERTIES, LLC, AN OHIO LIMITED LIABILITY COMPANY	127	67, 68, 69, 70	IN 201911130150859	010-060976	1475 E. HUDSON ST., COLUMBUS, OH 43231	2 SHRUBS (TBR)
212-T	ANTONIO MALONE	127	69, 70	IN 201907090083146	010-061297	1480 E. HUDSON ST., COLUMBUS, OH 43231	
213-T	TYRONE JAMAR	127	69, 70	IN 201310240180026 IN 200309250306395	010-060975	1481 E. HUDSON ST., COLUMBUS, OH 43231	4 LF FENCE (TBR)
214-T	JAMES E. CATES, TRUSTEE, CATES FAMILY FOUNDATION TRUST	127	69, 70	IN 200907150103469	010-060974	1495 E. HUDSON ST., COLUMBUS, OH 43231	
215-T	JAMES E. CATES, TRUSTEE, THE CATES FAMILY FOUNDATION TRUST	127	69, 70	IN 200907150103472	010-060973	1495 E. HUDSON ST., COLUMBUS, OH 43231	
216-P T	FARADONIA INVESTMENT LLC	127	69, 70 69, 70	IN 201812210173049	010-061298	1492 E. HUDSON ST., COLUMBUS, OH 43231	
217-T	JACOB H. LUTEYN AND SARA ELIZABETH BACE	127	69, 70	IN 201909130118940	010-061299	1498 E. HUDSON ST., COLUMBUS, OH 43231	
218-T	WALTER L. THOMAS JR.	127	69, 70	OR 12877, PG J16	010-061300	1504 E. HUDSON ST., COLUMBUS, OH 43231	

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY : ANDREW JORDAN	DATE: 06/04/2020	
OWNERSHIP VERIFIED BY : ANDREW JORDAN	DATE: 05/12/2020	
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO.	0
PID NO.	0
STATE JOB NO.	0
R/W DESIGNER	JBY
R/W REVIEWER	ATJ
<b>SUMMARY OR RIGHT-OF-WAY ENCROACHMENTS</b>	
<b>HUDSON ST</b>	
36 / 72	499
	535

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
NET TAKE = GROSS TAKE - PRO IN TAKE  
ALL AREAS ARE IN ACRES

**GRANTEE:**  
ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
THE CITY OF COLUMBUS, OHIO  
UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
													100% LOCAL		
219-T	ANGELA L. HICKMAN	69, 70	IN 200009010176804 OR 23486, PG J07	010-061301	0.131 (C)	0.000	0.007	0.000	0.007					7 LF FENCE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
220-P T	MEISOO LLC	69, 70 69, 70	IN 201706160081666	010-060972	0.133 (C)	0.000	0.001 0.011	0.000 0.000	0.001 0.011					(220-P = 19 SF) TO PERFORM GRADING	
221-T	ANDRE L. JONES	69, 70	IN 201311210194350	010-061302	0.131 (C)	0.000	0.006	0.000	0.006					6 LF FENCE (TBR) TO PERFORM GRADING	
222-T	GHIYATH ALNAJAR	69, 70	IN 201907310094987	010-060971	0.126 (C)	0.000	0.012	0.000	0.012					1 POST (TBR), 1 HANDRAIL (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
223A-WD	CLARENCE M. KINER, HENRY KINER HAROLD F. RIPPL	69, 70	DB 1946, PG 298 DB 2699, PG 91	NO PID	0.085 (C)	0.085	0.085	0.085	0.000			0.000			
223-T	LANETTE D. HUGHES	69, 70	IN 199802260042092	010-060169	0.125 (C)	0.000	0.009	0.000	0.009					2 SHRUBS (TBR) TO PERFORM GRADING	
224-T	XU WEN	69, 70	IN 201404300053116	010-060970	0.126 (C)	0.000	0.008	0.000	0.008					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
225-T	DEBORAH ANN WHEAT, DONITA D. JUDGE, TOYA L. JORDAN, DONALD E. JUDGE, JR., DUANE M. JUDGE, DARRYL V. JUDGE, KEVEN J. JUDGE	69, 70	OR 22046, PG C12	010-077368 010-077367 TOTAL	0.122 (C) 0.122 (C) 0.244 (C)	0.000	0.007 0.008 0.015	0.000 0.000 0.000	0.007 0.008 0.015					1 LIGHT POST (TBR), 1 SHRUB (TBR) 6 LF CONC WALL (TBR) TO PERFORM GRADING	
226-T	SLHF LIMITED, AN OHIO LIMITED LIABILITY COMPANY	69, 70	IN 201301030001265	010-060969	0.126 (C)	0.000	0.008	0.000	0.008					1 TREES (TBR), 5 LF FENCE (TBR) TO PERFORM GRADING	
227	NOT USED														
228-T	DELLA JOHNSON	69, 70	OR 14383, PG D15 OR 14383, PG D12	010-060968	0.126 (C)	0.000	0.008	0.000	0.008					13 LF FENCE (TBR) TO PERFORM GRADING	
229-WD T	RICHARD M. SAUNDERS AND BETTY L. SAUNDERS	69, 70 69, 70	OR 6531, PG H17	010-064960	0.198 (C)	0.028	0.028 0.006	0.028 0.000	0.000 0.006			0.170		6 LF FENCE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
230-T	CRAIG C. DERSTINE	69-72	IN 200705170086846	010-060967	0.122 (C)	0.000	0.011	0.000	0.011					TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
231A1- WD	PATRICK MCALLISTER	69-72	DB 663, PG 638	NO PID	0.131 (C)	0.131	0.131	0.131	0.000						
231A2- WD	RIGHT REVEREND JAMES J. HARTLEY, BISHOP OF COLUMBUS, OHIO	71, 72	DB 682, PG 573	NO PID	0.023 (C)	0.022	0.023	0.022	0.000						

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
WD = WARRANTY DEED  
T = TEMPORARY CONSTRUCTION EASEMENT  
P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		

FEDERAL PROJECT NO. 0  
PID NO. 0  
STATE JOB NO. 0  
SUMMARY OF ADDITIONAL RIGHT OF WAY  
HUDSON ST  
R/W DESIGNER JBY  
R/W REVIEWER ATJ  
37/72  
500  
535

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PARCEL NO.	OWNER	CONST. SHEET NO.	R/ W SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	ADDRESS	REMARKS
219-T	ANGELA L. HICKMAN	127	69, 70	IN 200009010176804 OR 23486, PG J07	010-061301	1508 E. HUDSON ST., COLUMBUS, OH 43231	2 SHRUBS (TBR)
220-P T	MEISOO LLC	127	69, 70 69, 70	IN 201706160081666	010-060972	1507 E. HUDSON ST., COLUMBUS, OH 43231	
221-T	ANDRE L. JONES	127	69, 70	IN 201311210194350	010-061302	1514 E. HUDSON ST., COLUMBUS, OH 43231	
222-T	GHIYATH ALNAJAR	127	69, 70	IN 201907310094987	010-060971	1513 E. HUDSON ST., COLUMBUS, OH 43231	1 HAND RAIL (TBR)
223A-WD	CLARENCE M. KINER, HENRY KINER HAROLD F. RIPPL	127, 129	69, 70	DB 1946, PG 298 DB 2699, PG 91	NO PID		
223-T	LANETTE D. HUGHES	127	69, 70	IN 199802260042092	010-060169	1520 E. HUDSON ST., COLUMBUS, OH 43231	
224-T	XU WEN	127	69, 70	IN 201404300053116	010-060970	1519 E. HUDSON ST., COLUMBUS, OH 43231	
225-T	DEBORAH ANN WHEAT, DONITA D. JUDGE, TOYA L. JORDAN, DONALD E. JUDGE, JR., DUANE M. JUDGE, DARRYL V. JUDGE, KEVEN J. JUDGE	127, 129	69, 70	OR 22046, PG C12	010-077368 010-077367	1530 E. HUDSON ST., COLUMBUS, OH 43231	4 LF CONC WALL (TBR)
226-T	SLHF LIMITED, AN OHIO LIMITED LIABILITY COMPANY	127, 129	69, 70	IN 201301030001265	010-060969	1527 E. HUDSON ST., COLUMBUS, OH 43231	4 POSTS (TBR), 4 LF FENCE (TBR)
227	NOT USED						
228-T	DELLA JOHNSON	129	69, 70	OR 14383, PG D15 OR 14383, PG D12	010-060968	1533 E. HUDSON ST., COLUMBUS, OH 43231	54 LF FENCE (TBR), 1 TREE (TBR)
229-WD T	RICHARD M. SAUNDERS AND BETTY L. SAUNDERS	129	69, 70 69, 70	OR 6531, PG H17	010-064960	1536 E. HUDSON ST., COLUMBUS, OH 43231	
230-T	CRAIG C. DERSTINE	129	69, 70, 71, 72	IN 200705170086846	010-060967	1539 E. HUDSON ST., COLUMBUS, OH 43231	
231A1- WD	PATRICK MCALLISTER	129	69, 70, 71, 72 69, 70, 71, 72	DB 663, PG 638	NO PID		
231A2- WD	PATRICK MCALLISTER	129	69, 70, 71, 72 69, 70, 71, 72	DB 663, PG 638	NO PID		
		1					

**3575 - E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED : 06/05/2020		

**SUMMARY OF RIGHT-OF-WAY ENCROACHMENTS**  
 HUDSON ST  
 FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
 ALL AREAS ARE IN ACRES

**GRANTEE:**  
 ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE CITY OF COLUMBUS, OHIO  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
											LEFT	RIGHT			
231-T	RIGHT REVEREND JAMES J. HARTLEY, BISHOP OF COLUMBUS, OHIO	71, 72	DB 3377, PG 404 DB 2938, PG 557 DB 2663, PG 534 DB 2100, PG 496 DB 1302, PG 35 DB 682, PG 573	010-061277	1.439 (C)	0.000	0.026	0.000	0.026				100% LOCAL	1 TREES (TBR), 3 SHRUBS (TBR) TO PERFORM GRADING	
232-T	THE GOOD SHEPHERD BAPTIST CHRUCH	71, 72	IN 200802130022545	010-060208	0.126 (C)	0.000	0.010	0.000	0.010					1 TREE (TBR), 18 LF GATE (TBR), 22 LF FENCE (TBR) TO CONSTRUCT ONE DRIVEWAY AND TO PERFORM GRADING	
233-WD T	GOOD SHEPHERD BAPTIST CHURCH, INC., A NON-PROFIT RELIGIOUS CORPORATION	71, 72 71, 72	DB 3507, PG 322 DB 3507, PG 319	010-067127	0.203 (C)	0.000	0.001 0.020	0.000 0.000	0.001 0.020					(233-WD = 36 SF) TO PERFORM GRADING	
234-P T	THE GOOD SHEPHERD BAPTIST CHURCH	71, 72	DB 3555, PG 192	010-060958	0.294 (C)	0.000	0.001 0.005	0.000 0.000	0.001 0.005					(234-P = 14 SF) 5 LF FENCE (TBR) TO PERFORM GRADING	
235	JO ANNE R. DENNISON	71, 72	IN 201609230129126	010-060174	0.301									NO TAKE REQUIRED	

FEDERAL PROJECT NO. 0  
 PID NO. 0  
 STATE JOB NO. 0  
 R/W DESIGNER: JBY  
 R/W REVIEWER: ATJ  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**HUDSON ST**  
 39/72  
 502  
 535

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: MISSED SPLIT - BALANCE R/W INDICATES ALTERNATE OWNERSHIP WITHIN THE P.R.O.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
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 P = PERMANENT EASEMENT

NOTE: ALL TEMPORARY CONSTRUCTION EASEMENTS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

**3575-E**

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY :	ANDREW JORDAN	DATE: 06/04/2020
OWNERSHIP VERIFIED BY :	ANDREW JORDAN	DATE: 05/12/2020
DATE COMPLETED :		06/05/2020

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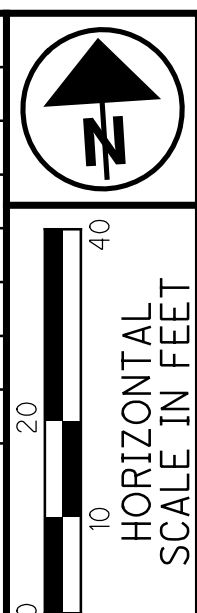
**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: JUNE 05, 2020



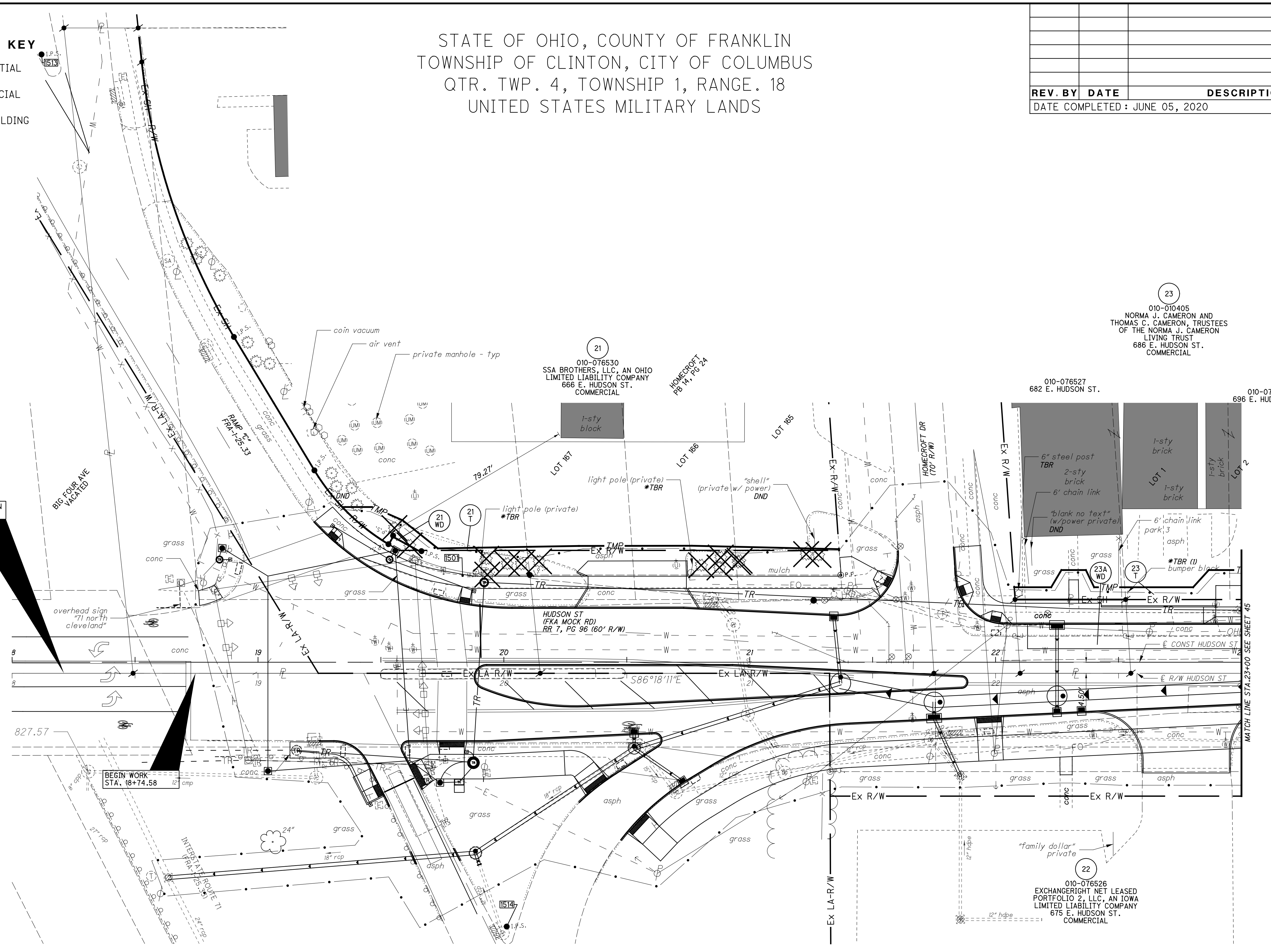
PID NO. \_\_\_\_\_  
 R/W DESIGNER: JBY  
 R/W REVIEWER: ATJ

RIGHT OF WAY TOPO SHEET  
 STA. 18+00 TO STA. 23+00

HUDSON ST

41 / 72

504  
535



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**3575-E**



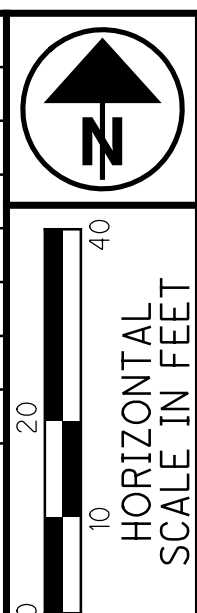
**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ☐ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊙ RAILROAD SPIKE FOUND
- ⊙ RAILROAD SPIKE SET
- ⊙ I.R.F. IRON PIN FOUND
- ⊙ I.R.F. IRON PIN FOUND W/ ID CAP
- I.R.S. IRON PIN SET W/ ID CAP
- ⊙ I.R.P. IRON PIPE FOUND
- ⊙ I.R.P. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET
- ⊙ M.N.F. MAG NAIL FOUND
- M.N.S. MAG NAIL SET
- ⊙ MAG SPIKE SET

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		

PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
21-WD	COM - 1.0	POC -1	N86° 18' 11"W 851.27'	20+14.81	0.00'
23A-WD	COM - 2.0	POC -1	N86° 18' 11"W 611.07'	22+55.01	0.00'



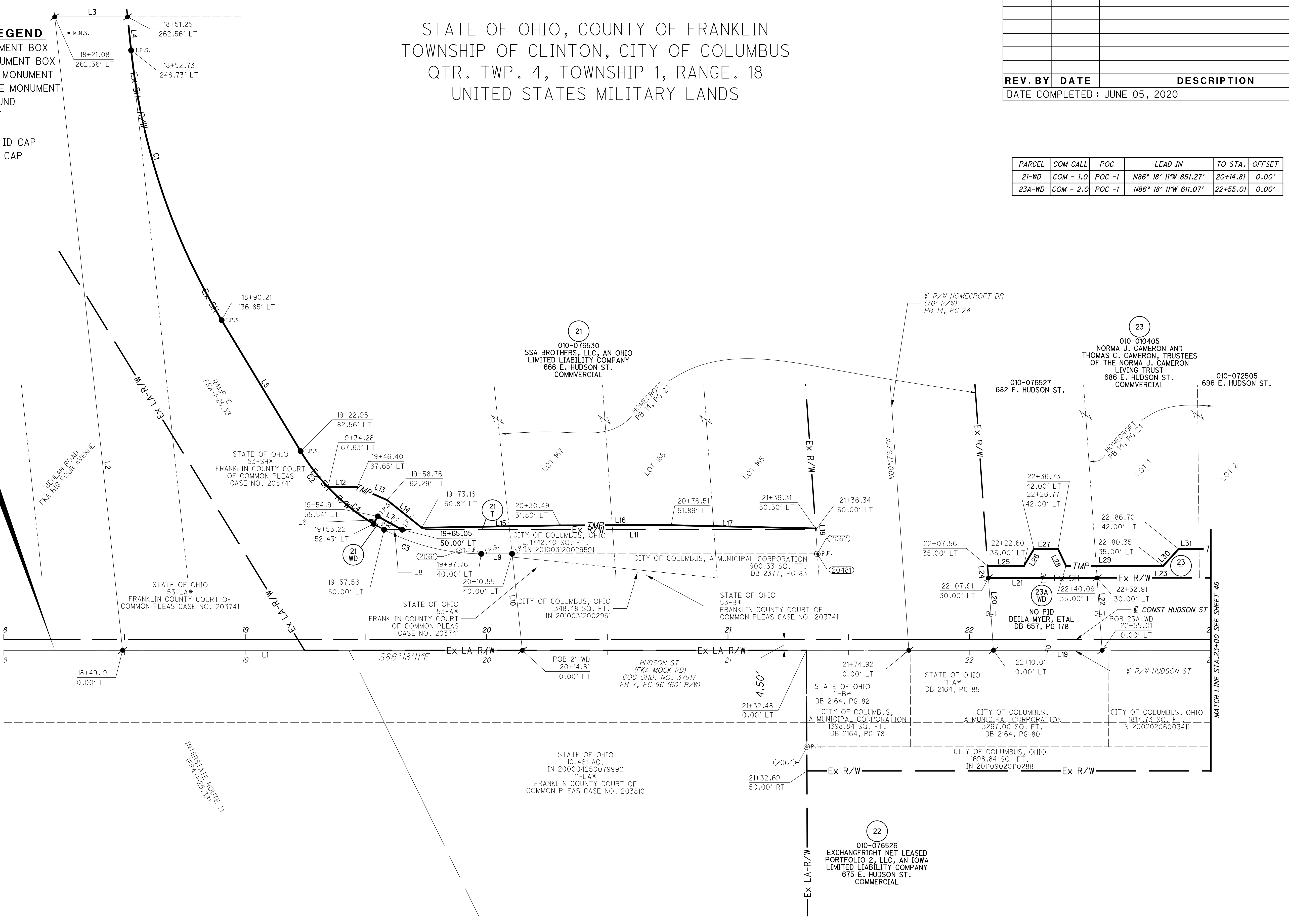
PID NO. 0  
 R/W DESIGNER: JBY  
 R/W REVIEWER: ATJ

RIGHT OF WAY BOUNDARY SHEET  
 STA 18+00 TO STA. 23+00

HUDSON ST  
 42/72  
 505  
 535

L#	Bearing	Distance
L1	N86° 18' 11"W	165.62'
L2	N02° 24' 51"W	264.06'
L3	S86° 18' 11"E	30.17'
L4	S02° 24' 51"E	13.91'
L5	S27° 23' 29"E	63.40'
L6	N32° 20' 14"E	3.54'
L7	S57° 39' 46"E	11.55'
L8	N86° 18' 11"W	7.49'
L9	N86° 18' 11"W	12.79'
L10	S02° 22' 38"E	40.23'
L11	N86° 18' 11"W	171.29'
L12	S86° 24' 27"E	12.12'
L13	S62° 51' 42"E	13.48'
L14	S47° 44' 29"E	18.41'
L15	S87° 17' 27"E	57.35'
L16	S86° 24' 27"E	46.02'
L17	S84° 58' 29"E	59.81'
L18	S00° 17' 57"E	0.50'
L19	N86° 18' 11"W	45.00'
L20	N00° 17' 57"W	30.07'
L21	S86° 18' 11"E	45.00'
L22	S00° 17' 57"E	30.07'
L23	N86° 18' 11"W	384.22'
L24	N00° 17' 57"W	5.01'
L25	S86° 18' 11"E	15.04'
L26	N34° 29' 42"E	8.15'
L27	S86° 18' 11"E	9.96'
L28	S21° 56' 20"E	7.76'
L29	S86° 18' 11"E	40.26'
L30	N45° 54' 54"E	9.45'
L31	S86° 18' 11"E	35.73'
L32	NOT USED	

Curve #	Length	Radius	Delta	Chord Length	Chord Bearing
C1	118.92'	274.48'	024°49'25"	117.99'	S14°49'26"E
C2	43.14'	88.00'	028°05'09"	42.71'	S41°26'08"E
C3	41.82'	88.00'	027°13'35"	41.42'	S72°20'01"E
C4	24.36'	88.00'	015°51'30"	24.28'	S47°32'58"E



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\*FRA-1-25.33

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS SEE SHEETS 5 THRU 8

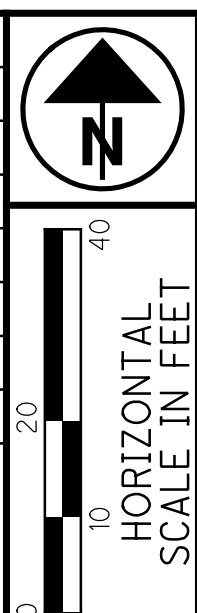
**3575-E**

**STRUCTURE KEY**

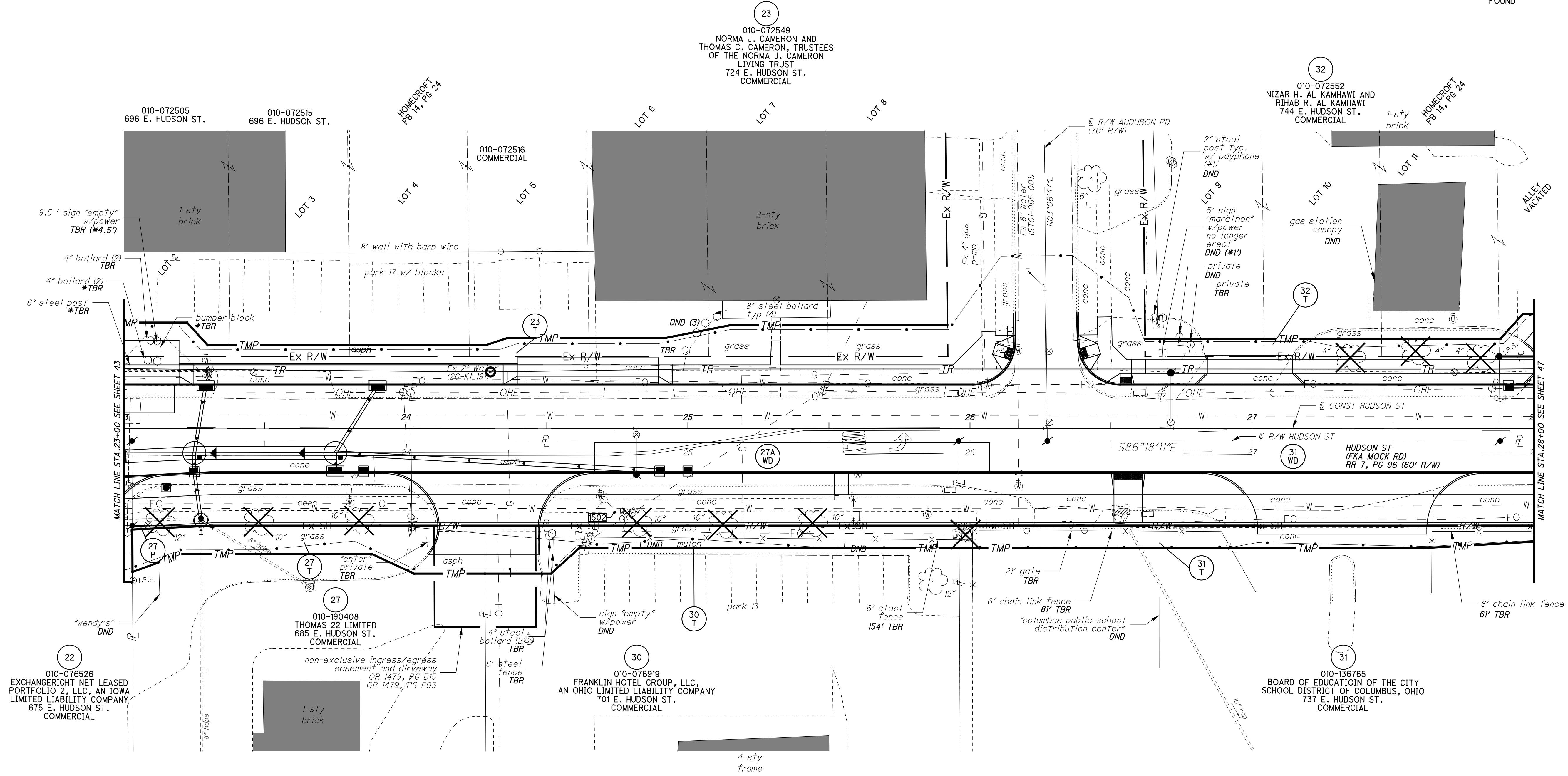
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



#1 PAY PHONE NOTE: NO EASEMENT/LEASE FOUND



PID NO. **0**  
R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

RIGHT OF WAY TOPO SHEET  
STA 23+00 TO STA. 28+00

HUDSON ST

43 / 72

506  
535

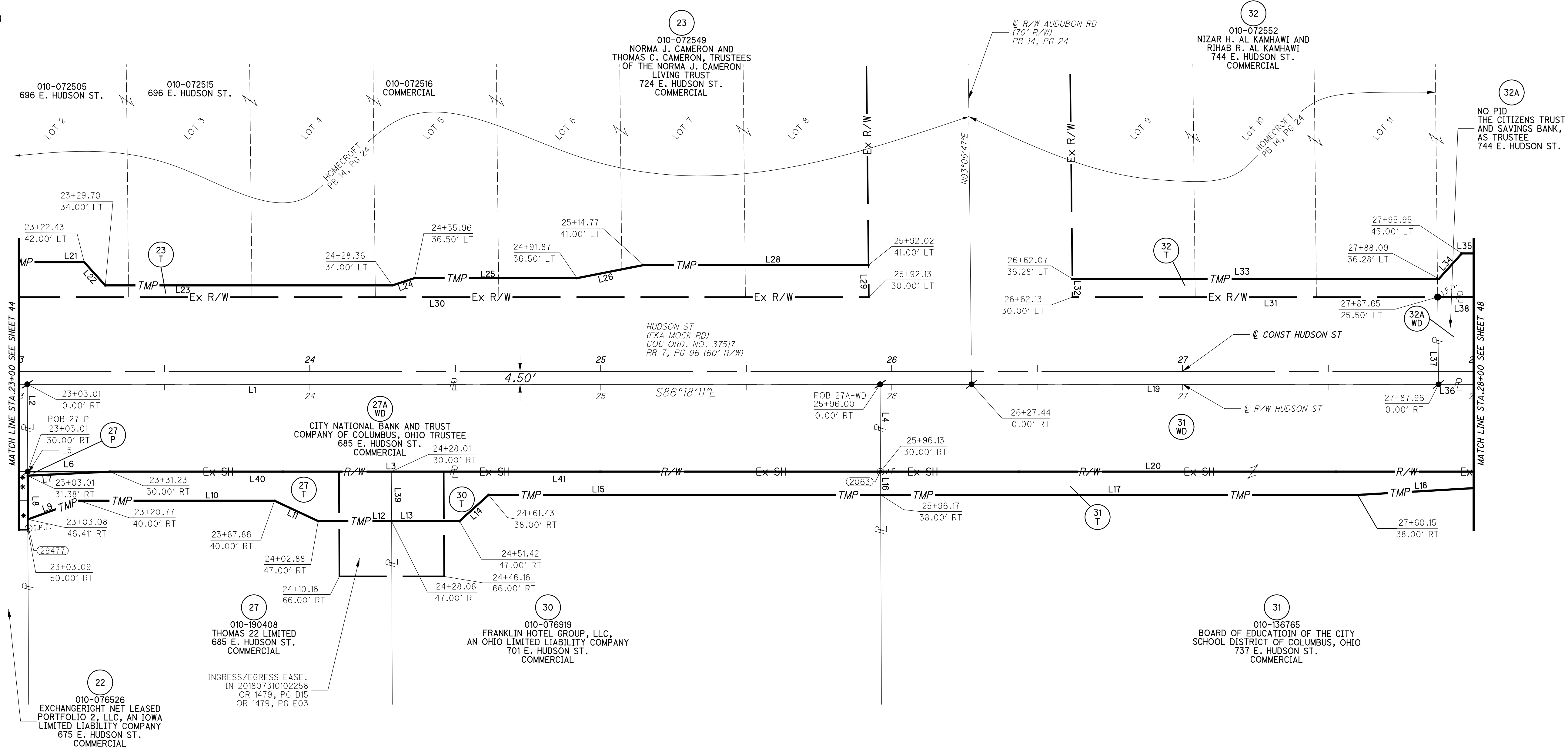
STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
 UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		

**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊗ RAILROAD SPIKE FOUND
- ✱ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- R.K.F. P.K. NAIL FOUND
- ✱ R.K.S. P.K. NAIL SET
- M.N.F. MAG NAIL FOUND
- ✱ M.N.S. MAG NAIL SET
- ✱ M.S. MAG SPIKE SET

L1	S86° 18' 11"E	293.12'
L2	N03° 27' 04"E	30.00'
L3	N86° 18' 11"W	293.12'
L4	S03° 27' 04"W	30.00'
L5	N03° 27' 04"E	1.38'
L6	S86° 18' 11"E	28.23'
L7	N89° 06' 26"W	28.25'
L8	N03° 27' 04"E	15.03'
L9	S73° 46' 41"W	18.82'
L10	N86° 18' 11"W	67.08'
L11	N61° 18' 51"W	16.57'
L12	N86° 18' 11"W	25.20'
L13	N86° 18' 11"W	23.34'
L14	S51° 43' 06"W	13.46'
L15	N86° 18' 11"W	134.74'
L16	N03° 27' 04"E	8.00'
L17	N86° 18' 11"W	163.99'
L18	N89° 39' 56"W	51.15'
L19	S86° 18' 11"E	215.06'
L20	N86° 18' 11"W	215.06'
L21	S86° 18' 11"E	35.73'
L22	S38° 34' 17"E	10.81'
L23	N86° 18' 11"E	98.66'
L24	N75° 28' 50"E	8.00'
L25	S86° 18' 11"E	55.91'
L26	N82° 34' 56"E	23.34'
L27	NOT USED	
L28	S86° 18' 11"E	77.24'
L29	S03° 06' 47"W	11.00'
L30	N86° 18' 11"W	384.22'
L31	N86° 18' 11"W	203.93'
L32	N03° 06' 47"E	6.28'
L33	S86° 18' 11"E	126.02'
L34	N45° 45' 22"E	11.74'
L35	S86° 18' 11"E	37.26'
L36	N86° 18' 11"W	15.00'
L37	N03° 05' 30"E	30.00'
L38	S86° 18' 11"E	15.00'
L39	N03° 27' 04"E	17.00'
L40	S86° 18' 11"E	96.77'
L41	S86° 18' 11"E	168.12'



\* CITY OF COLUMBUS, OHIO  
 1617.73 SQ. FT.  
 IN 200202060034111

\* CITY OF COLUMBUS, OHIO  
 1698.84 SQ. FT.  
 IN 201109020110288

POC = POINT OF COMMENCEMENT  
 POB = TRUE POINT OF BEGINNING

FOR FOUND MONUMENT DESCRIPTIONS  
 SEE SHEETS 5 THRU 8

RIGHT OF WAY BOUNDARY SHEET  
 STA. 28+00 TO STA 33+00

HUDSON ST

44/72

507  
535

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**STRUCTURE KEY**

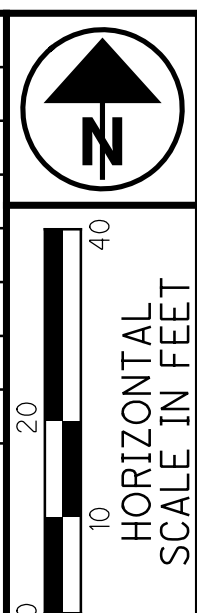
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		

#1 BENCH NOTE: BENCHES ARE PERMITTED AND WILL TEMPORARILY BE REMOVED BY OWNER DURING CONSTRUCTION, IN THE EVENT THE BENCHES ARE NOT REMOVED, CONTACT THE FOLLOWING PARTIES: PATSY OR BRUCE (BENCH BILLBOARDS) 1-800-541-7368

#2 PAY PHONE NOTE: NO EASEMENT/LEASE FOUND



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R/W REVIEWER: ATJ

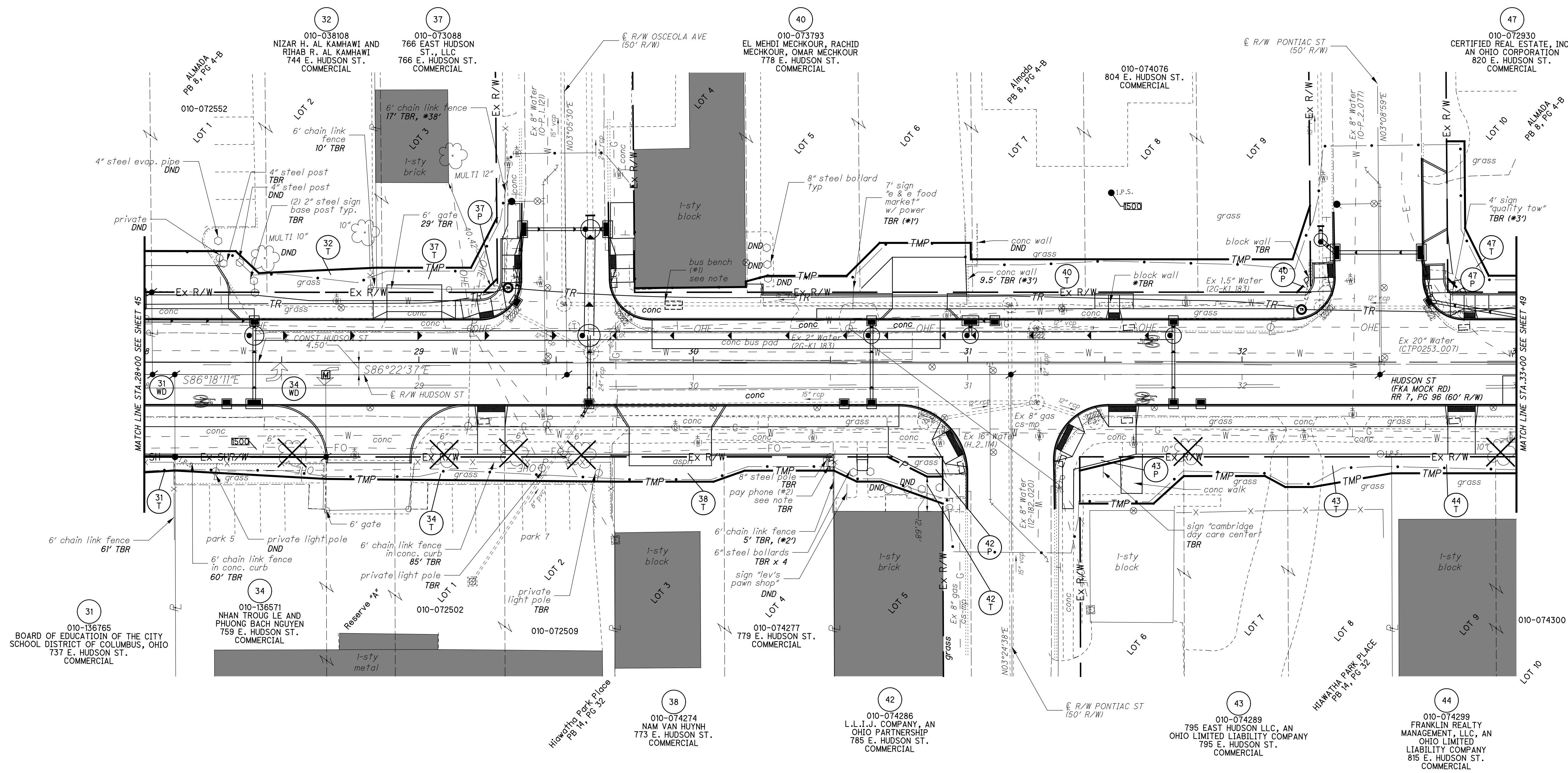
RIGHT OF WAY TOPO SHEET  
STA. 28+00 TO STA. 33+00

HUDSON ST

45 / 72

508  
535

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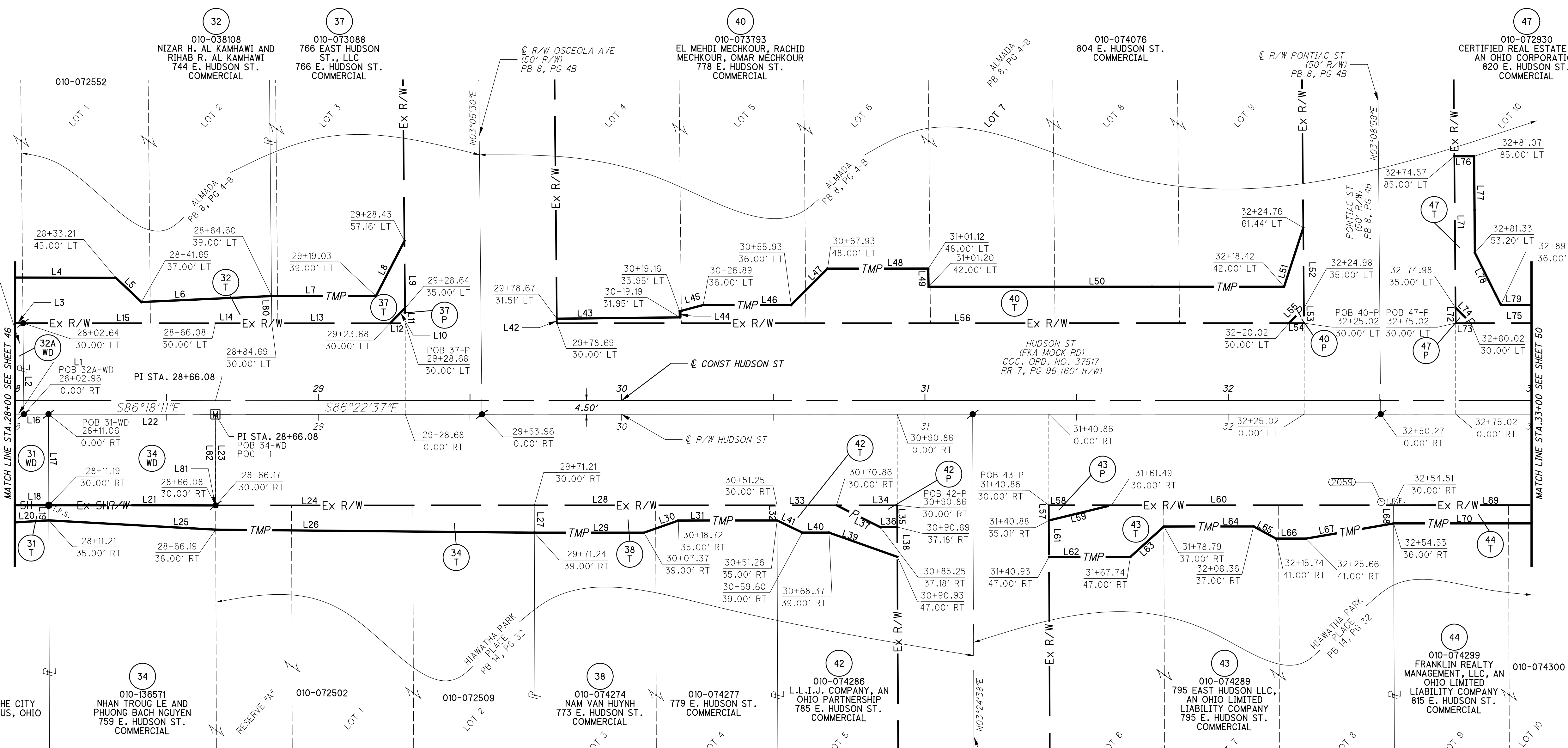
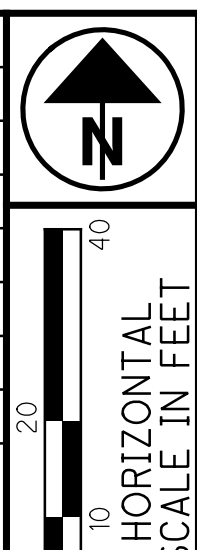


STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

**MONUMENT LEGEND**

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET
- MAG NAIL FOUND
- MAG NAIL SET
- MAG SPIKE SET

REV.	BY	DATE	DESCRIPTION
DATE COMPLETED:			JUNE 05, 2020



L1	N86° 18' 11"W	15.00'
L2	S03° 05' 30"W	30.00'
L3	S86° 18' 11"E	15.00'
L4	S86° 18' 11"E	37.28'
L5	S42° 49' 01"E	11.63'
L6	S89° 00' 22"E	42.95'
L7	S86° 22' 37"E	34.42'
L8	N31° 00' 19"E	20.45'
L9	S03° 05' 30"W	22.16'
L10	N48° 21' 28"E	7.04'
L11	S03° 05' 30"W	5.00'
L12	N86° 22' 37"W	5.00'
L13	N86° 22' 37"W	39.00'
L14	S86° 22' 37"E	18.59'
L15	N86° 18' 11"W	203.93'
L16	S86° 18' 11"E	215.06'
L17	N03° 27' 04"E	30.00'
L18	S86° 18' 11"E	215.06'
L19	S03° 27' 04"W	5.00'
L20	N89° 39' 56"W	51.15'
L21	S86° 18' 11"E	54.91'
L22	S86° 18' 11"E	55.02'
L23	N03° 27' 04"E	30.00'
L24	S86° 22' 37"E	105.15'
L25	N83° 10' 53"W	55.09'
L26	N85° 49' 54"W	105.08'
L27	N03° 27' 04"E	9.00'
L28	N86° 22' 37"W	80.03'
L29	N86° 22' 37"W	36.13'
L30	S74° 12' 42"W	12.04'
L31	N86° 22' 37"W	32.54'
L32	S03° 27' 04"W	5.00'
L33	S86° 22' 37"E	19.62'
L34	S86° 22' 37"E	20.00'
L35	S03° 24' 38"W	7.18'
L36	S86° 22' 37"E	5.64'
L37	S59° 51' 16"E	16.07'
L38	S03° 24' 38"W	9.82'
L39	N66° 50' 53"W	23.93'
L40	N86° 22' 37"W	8.77'
L41	N60° 44' 46"W	9.25'
L42	N03° 05' 30"E	1.51'
L43	S86° 59' 28"E	40.52'
L44	N02° 57' 07"E	2.01'
L45	N78° 47' 58"E	7.99'
L46	S86° 22' 36"E	29.03'
L47	N48° 37' 23"E	16.97'
L48	S86° 22' 38"E	33.19'
L49	S02° 49' 01"W	6.00'
L50	S86° 22' 37"E	117.22'
L51	N21° 41' 26"E	20.45'
L52	S03° 08' 59"W	26.44'
L53	N03° 08' 59"E	5.00'
L54	S86° 22' 37"E	5.00'
L55	N48° 23' 11"E	7.04'
L56	N86° 22' 37"W	241.33'
L57	N66° 50' 53"W	23.93'
L58	S86° 22' 37"E	20.63'
L59	S79° 56' 54"W	21.21'
L60	S86° 22' 37"E	93.03'
L61	N03° 24' 38"E	11.99'
L62	N86° 22' 37"W	26.82'
L63	S51° 28' 06"W	14.90'
L64	N86° 22' 37"W	29.57'
L65	N57° 55' 24"W	8.40'
L66	N86° 22' 37"W	9.93'
L67	S83° 47' 51"W	29.30'
L68	S03° 25' 48"W	6.00'
L69	S86° 22' 37"E	113.37'
L70	N86° 22' 37"W	113.39'
L71	N03° 08' 59"E	50.00'
L72	N03° 08' 59"E	5.00'
L73	N86° 22' 37"W	5.00'
L74	S41° 36' 49"E	7.10'
L75	N86° 22' 37"W	117.87'
L76	S86° 22' 37"E	6.50'
L77	S03° 08' 59"W	31.81'
L78	S22° 51' 20"E	19.21'
L79	S86° 22' 37"E	107.95'
L80	S30° 05' 30"W	9.00'
L81	N86° 22' 37"W	0.11'
L82	S03° 39' 36"W	30.00'

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
31-WD	COM - 5.0	POC - 1	N86° 18' 11"W 55.02'	28+11.06	0.00'
32A-WD	COM - 6.0	POC - 1	N86° 18' 11"W 63.12'	28+02.96	0.00'
37-P	COM - 7.1	POC - 1	S86° 22' 37"E 62.61'	29+28.68	0.00'
37-P	COM - 7.2	POC - 1	N03° 37' 23"E 30.00'	29+28.68	30.00' LT
40-P	COM - 8.1	POC - 1	S86° 22' 37"E 358.94'	32+25.02	0.00'
40-P	COM - 8.2	POC - 1	N03° 37' 23"E 30.00'	32+25.02	30.00' LT
42-P	COM - 9.1	POC - 1	S86° 22' 37"E 224.78'	30+90.86	0.00'
42-P	COM - 9.2	POC - 1	S03° 37' 23"W 30.00'	30+90.86	30.00' RT
43-P	COM - 10.1	POC - 1	S86° 22' 37"E 274.78'	31+40.86	0.00'
43-P	COM - 10.2	POC - 1	S03° 37' 23"W 30.00'	31+40.86	30.00' RT
47-P	COM - 11.1	POC - 1	S86° 22' 37"E 408.94'	32+75.02	0.00'
47-P	COM - 11.2	POC - 1	N03° 37' 23"E 30.00'	32+75.02	30.00' LT

PID NO. 0  
R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

RIGHT OF WAY BOUNDARY SHEET  
STA. 28+00 TO STA. 33+00

HUDSON ST

46/72

509  
535

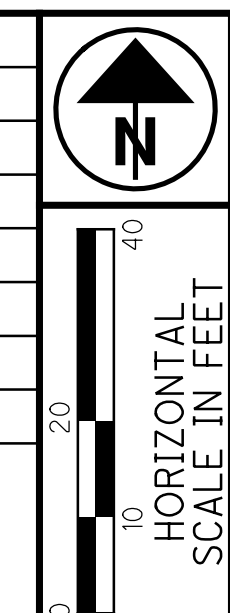
3575-E

**STRUCTURE KEY**

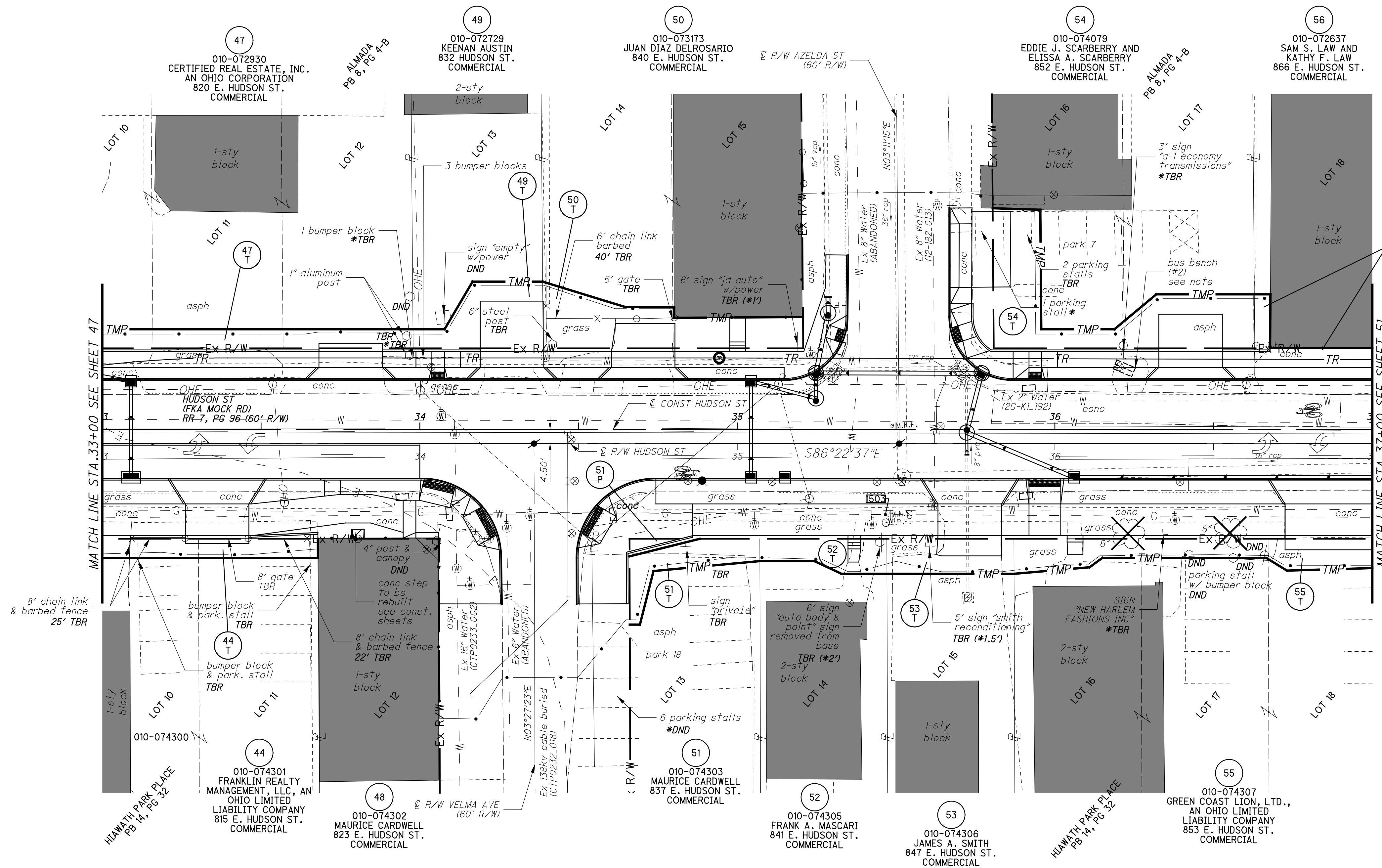
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
 UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED : JUNE 05, 2020		



#2 BENCH NOTE: BENCHES ARE PERMITTED AND WILL TEMPORARILY BE REMOVED BY OWNER DURING CONSTRUCTION, IN THE EVENT THE BENCHES ARE NOT REMOVED, CONTACT THE FOLLOWING PARTIES: PATSY OR BRUCE (BENCH BILLBOARDS) 1-800-541-7368



PID NO. **0**

R/W DESIGNER: **JBY**

R/W REVIEWER: **ATJ**

**RIGHT OF WAY TOPO SHEET**

**STA. 33+00 TO STA. 37+00**

**HUDSON ST**

47/72

510  
535

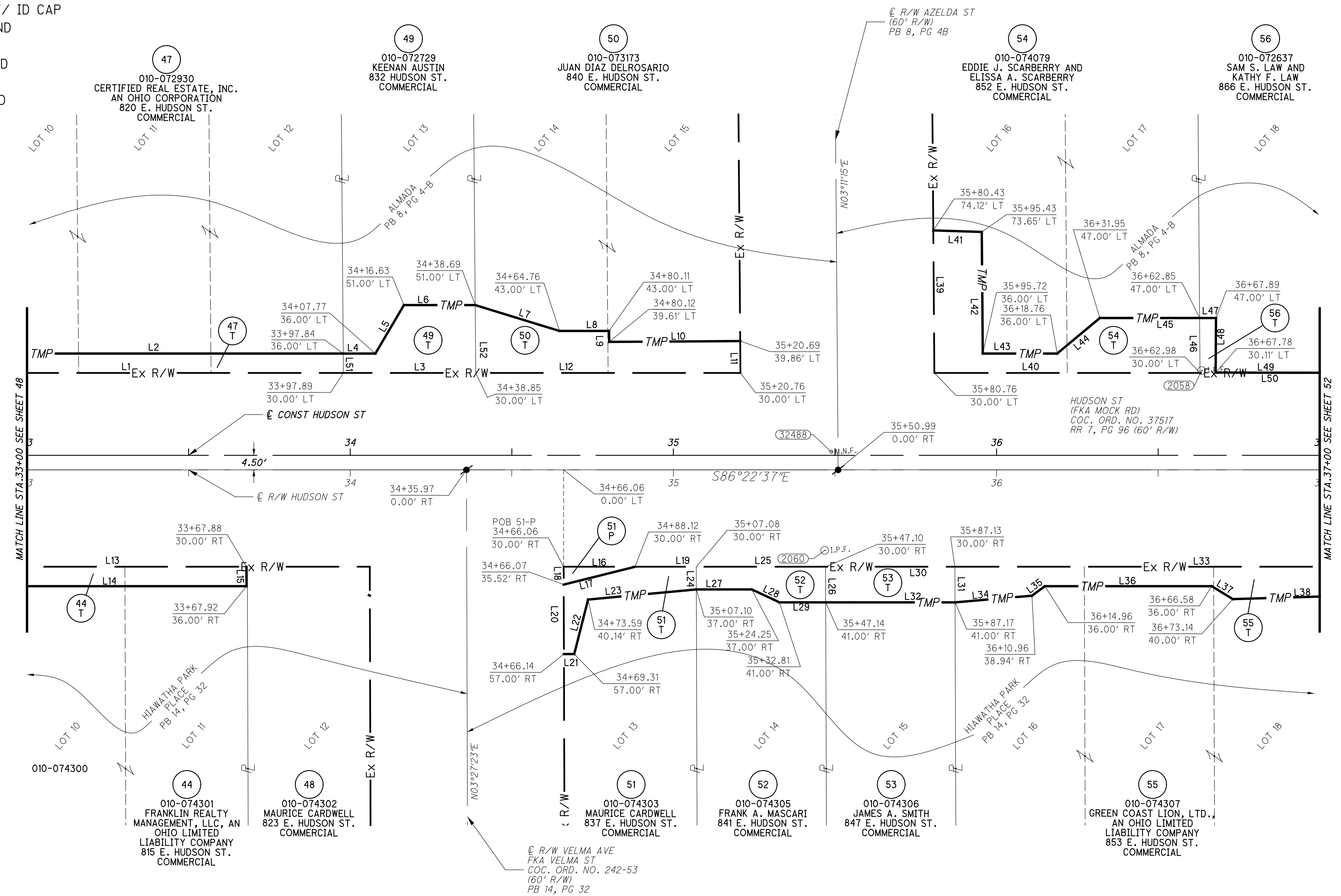
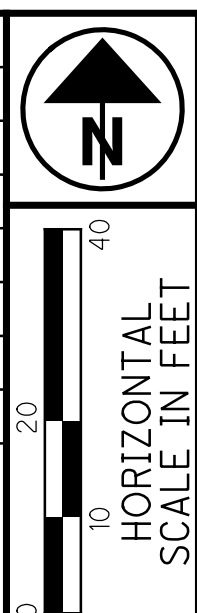
**3575-E**

**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ☐ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊗ RAILROAD SPIKE FOUND
- ⊗ RAILROAD SPIKE SET
- ⊙ I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET
- ⊙ M.N.F. MAG NAIL FOUND
- M.N.S. MAG NAIL SET
- ⊗ M.S. MAG SPIKE SET

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



L1	N86° 22' 37"W	117.87'
L2	S86° 22' 37"E	107.95'
L3	N86° 22' 37"W	40.96'
L4	S86° 22' 37"E	9.93'
L5	N34° 10' 25"E	17.42'
L6	S86° 22' 37"E	22.06'
L7	S69° 19' 07"E	27.27'
L8	S86° 22' 37"E	15.35'
L9	S03° 20' 25"W	3.39'
L10	S86° 44' 20"E	40.57'
L11	S03° 11' 15"W	9.86'
L12	N86° 22' 37"W	81.91'
L13	S86° 22' 37"E	113.37'
L14	N86° 22' 37"W	113.39'
L15	S03° 14' 58"W	6.00'
L16	S86° 22' 37"E	22.06'
L17	S79° 34' 37"W	22.72'
L18	N03° 27' 23"E	5.52'
L19	S86° 22' 37"E	18.96'
L20	N03° 27' 23"E	21.49'
L21	N86° 22' 37"W	3.18'
L22	S17° 51' 04"W	17.40'
L23	S88° 16' 25"W	33.66'
L24	S03° 26' 48"W	7.00'
L25	S86° 22' 37"E	40.02'
L26	S03° 26' 20"W	11.00'
L27	N86° 22' 37"W	17.15'
L28	N61° 20' 11"W	9.45'
L29	N86° 22' 37"W	14.33'
L30	S86° 22' 37"E	40.02'
L31	S03° 25' 52"W	11.00'
L32	N86° 22' 37"W	40.03'
L33	S86° 22' 37"E	120.07'
L34	S88° 40' 41"W	23.88'
L35	S57° 16' 16"W	4.96'
L36	N86° 22' 37"W	51.62'
L37	N55° 01' 19"W	7.69'
L38	N88° 03' 25"W	34.11'
L39	N03° 11' 15"E	44.12'
L40	N86° 22' 37"W	82.22'
L41	S84° 33' 17"E	15.01'
L42	S03° 11' 15"W	37.65'
L43	S86° 22' 37"E	23.04'
L44	N53° 47' 46"E	17.17'
L45	S86° 22' 37"E	30.90'
L46	N03° 10' 31"E	17.00'
L47	S86° 22' 37"E	5.05'
L48	S03° 59' 46"W	16.89'
L49	S86° 18' 16"E	45.32'
L50	N86° 22' 37"W	82.22'
L51	S03° 10' 08"W	6.00'
L52	S03° 10' 30"W	21.00'

PID NO. **0**

R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

**RIGHT OF WAY BOUNDARY SHEET**

**STA. 33+00 TO STA. 37+00**

**HUDSON ST**

48 / 72

511  
535

PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
51-P	COM - 13.1	POC - 2	S86° 22' 37"E 599.98'	37+48.23	0.00'
51-P	COM - 13.2	POC - 2	S03° 37' 23"W 30.00'	37+48.23	30.00' RT

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

isotasz 10/5/2021 10:11:02 AM  
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**3575-E**

**STRUCTURE KEY**

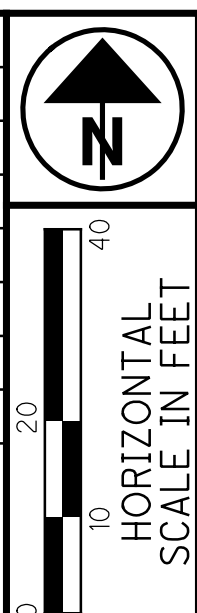
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: JUNE 05, 2020

\*3 PAY PHONE NOTE: NO EASEMENT/LEASE FOUND



PID NO. **0**

R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

**RIGHT OF WAY TOPO SHEET**

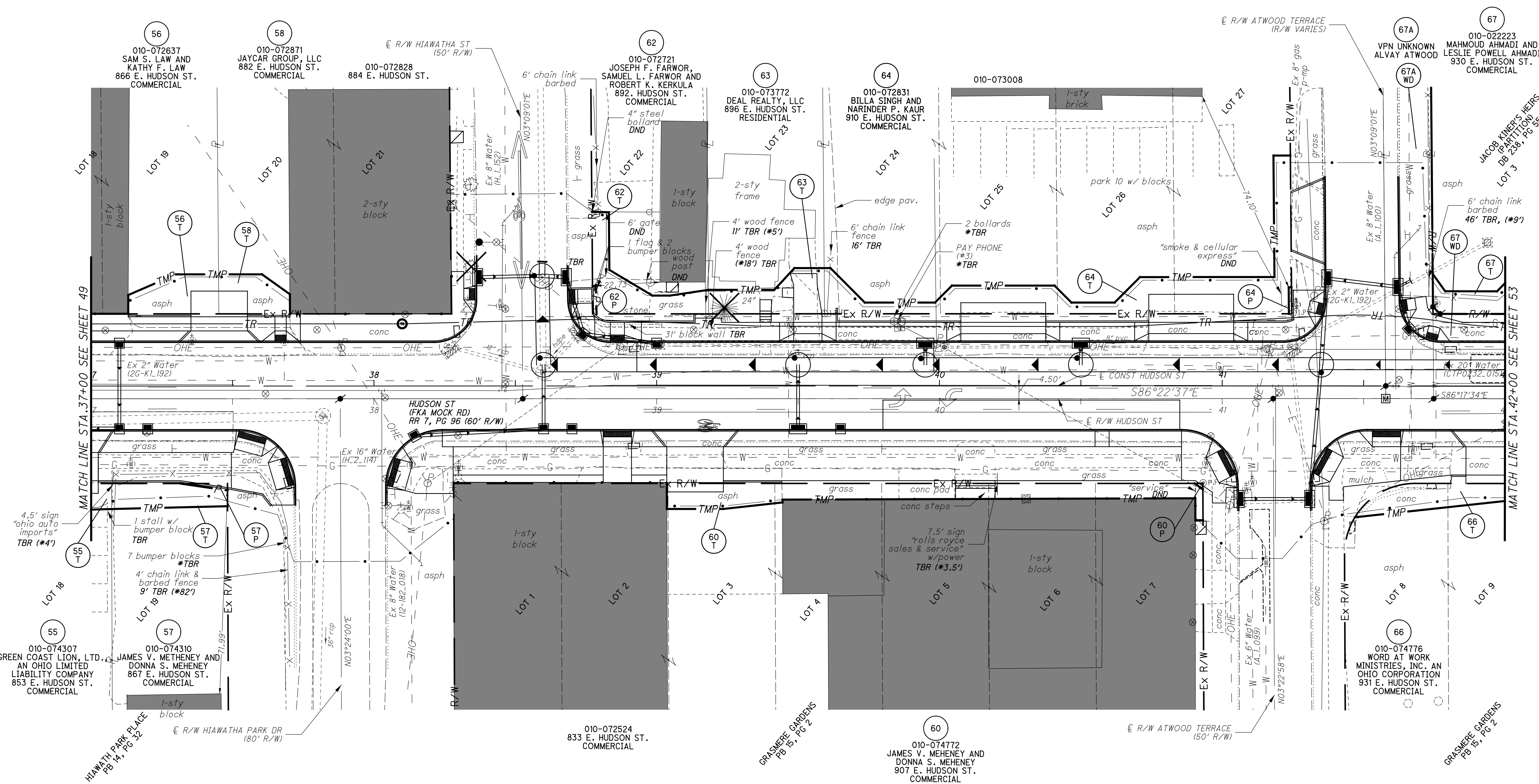
**STA 37+00 TO STA. 42+00**

**HUDSON ST**

49/72

512  
535

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3575-E



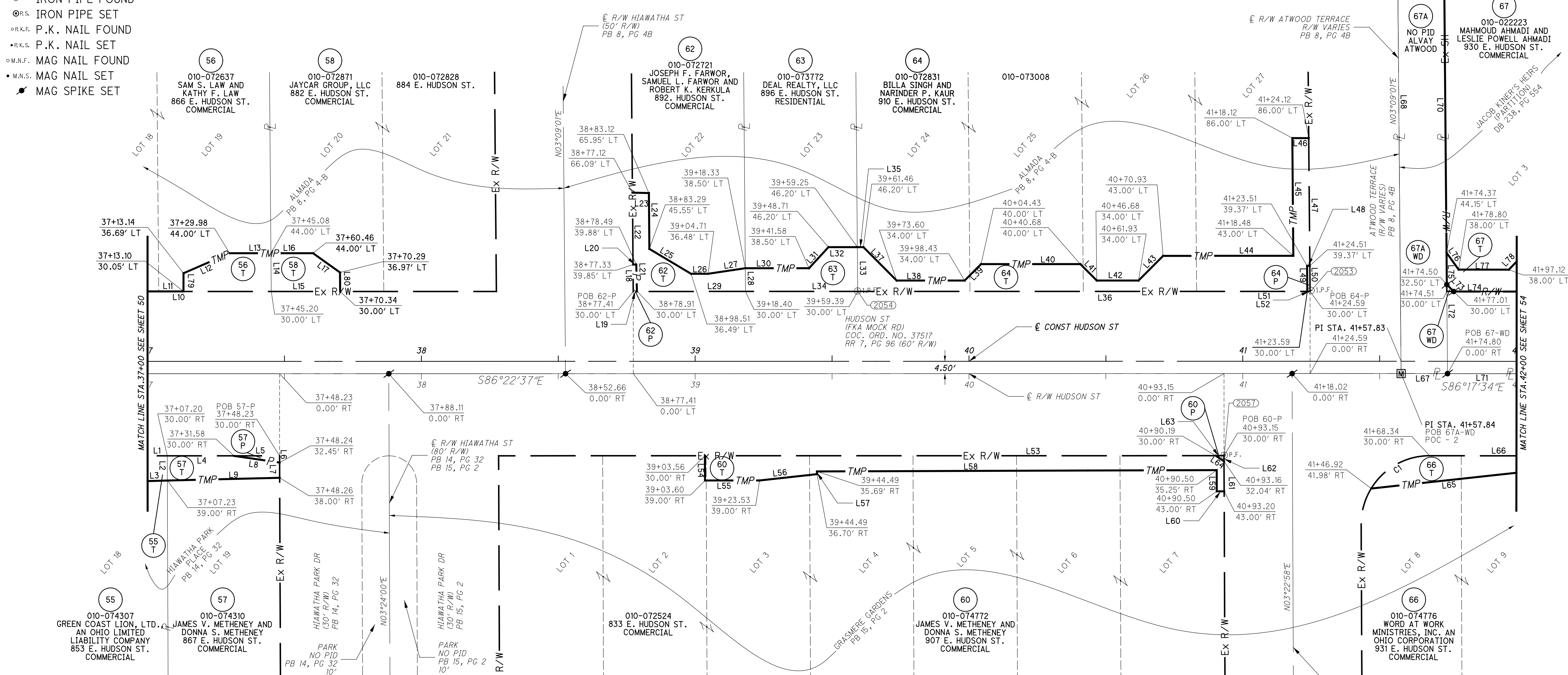
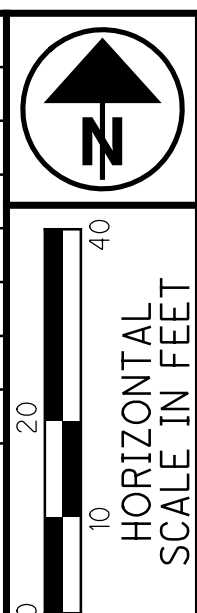
**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- ⊙ I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ R.K.F. P.K. NAIL FOUND
- ⊙ R.K.S. P.K. NAIL SET
- ⊙ M.N.F. MAG NAIL FOUND
- ⊙ M.N.S. MAG NAIL SET
- ⚡ MAG SPIKE SET

Curve #	Length	Radius	Delta	Chord Length	Chord Bearing
C1	25.60'	25.00'	058°39'59"	24.50'	N64°22'24"E

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



L1	S86° 22' 37"E	120.07'
L2	S03° 24' 28"W	9.00'
L3	N88° 03' 25"W	34.11'
L4	S86° 22' 37"E	24.38'
L5	S86° 22' 37"E	16.65'
L6	S03° 24' 00"W	2.45'
L7	S03° 24' 00"W	5.55'
L8	N78° 01' 30"W	16.84'
L9	N87° 46' 25"W	41.03'
L10	N86° 22' 37"W	82.22'
L11	S86° 18' 16"E	45.32'
L12	N70° 08' 21"E	18.35'
L13	S86° 22' 37"E	15.12'
L14	N03° 09' 46"E	14.00'
L15	N86° 21' 23"W	25.15'
L16	S86° 22' 37"E	15.37'
L17	S50° 49' 20"E	12.09'
L18	N03° 09' 01"E	9.85'
L19	N86° 22' 37"W	1.32'
L20	S87° 47' 11"E	1.16'
L21	S02° 12' 49"W	9.88'
L22	N03° 09' 01"E	26.25'
L23	S85° 00' 30"E	6.00'
L24	S03° 09' 01"W	20.40'
L25	S55° 36' 48"E	17.71'
L26	S86° 15' 10"E	6.21'
L27	N85° 11' 10"E	13.77'
L28	S03° 09' 01"W	8.50'
L29	N86° 22' 37"W	39.67'
L30	S86° 22' 37"E	23.25'
L31	N46° 24' 39"E	10.49'
L32	S86° 22' 37"E	10.55'
L33	S03° 09' 01"W	16.20'
L34	N86° 22' 37"W	40.99'
L35	S86° 22' 37"E	2.21'
L36	N86° 22' 37"W	164.20'

L37	S41° 14' 29"E	17.21'
L38	S86° 22' 37"E	24.83'
L39	N48° 37' 23"E	8.49'
L40	S86° 22' 37"E	36.25'
L41	S41° 22' 37"E	8.49'
L42	S86° 22' 37"E	15.24'
L43	N48° 37' 23"E	12.73'
L44	S86° 22' 37"E	47.55'
L45	N03° 09' 01"E	43.00'
L46	S86° 22' 37"E	6.00'
L47	S03° 09' 01"W	46.63'
L48	N86° 22' 37"W	1.00'
L49	S03° 09' 01"W	9.37'
L50	S03° 09' 01"W	9.37'
L51	S86° 22' 37"E	1.00'
L52	N86° 22' 37"W	1.00'
L53	S86° 22' 37"E	186.63'
L54	N03° 22' 24"E	9.00'
L55	N86° 22' 37"W	19.93'
L56	S87° 21' 32"W	21.09'
L57	S03° 26' 30"W	1.01'
L58	N86° 33' 05"W	146.01'
L59	N03° 36' 55"E	7.75'
L60	N86° 22' 37"W	2.70'
L61	S03° 22' 58"W	10.96'
L62	S03° 22' 58"W	2.04'
L63	S86° 22' 37"E	2.96'
L64	N51° 53' 55"W	3.60'
L65	S87° 26' 01"W	69.80'
L66	S86° 17' 34"E	48.04'
L67	S86° 17' 34"E	16.96'
L68	N03° 09' 01"E	157.50'
L69	S86° 17' 34"E	16.96'
L70	S03° 09' 01"W	157.50'
L71	N86° 17' 34"W	75.00'
L72	N03° 09' 01"E	32.52'

L73	S41° 20' 06"E	3.57'
L74	N86° 17' 34"W	72.50'
L75	N03° 09' 01"E	11.63'
L76	S32° 01' 16"E	7.58'
L77	S86° 17' 34"E	18.32'
L78	N47° 41' 48"E	21.54'
L79	N03° 57' 24"E	6.64'
L80	S03° 10' 37"W	6.97'

PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
57-P	COM - 13.1	POC -2	N86° 22' 37"W 409.61'	37+48.23	0.00'
57-P	COM - 13.2	POC -2	S03° 37' 23"W 30.00'	37+48.23	30.00' RT
60-P	COM - 14.1	POC -2	N86° 22' 37"W 64.69'	40+93.15	0.00'
60-P	COM - 14.2	POC -2	S03° 37' 23"W 30.00'	40+93.15	30.00' RT
62-P	COM - 15.1	POC -2	N86° 22' 37"W 280.42'	38+77.41	0.00'
62-P	COM - 15.2	POC -2	N03° 37' 23"E 30.00'	38+77.41	30.00' LT
64-P	COM - 16.1	POC -2	N86° 22' 37"W 33.25'	41+24.59	0.00'
64-P	COM - 16.2	POC -2	N03° 37' 23"E 30.00'	41+24.59	30.00' LT
67-WD	COM - 17.0	POC -2	L67	41+74.80	0.00'

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

PID NO. 0  
R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

RIGHT OF WAY BOUNDARY SHEET  
STA. 37+00 TO STA. 42+00

HUDSON ST

50/72

513  
535

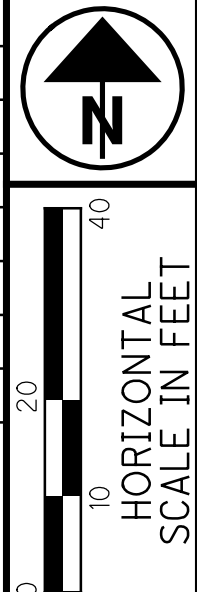
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STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

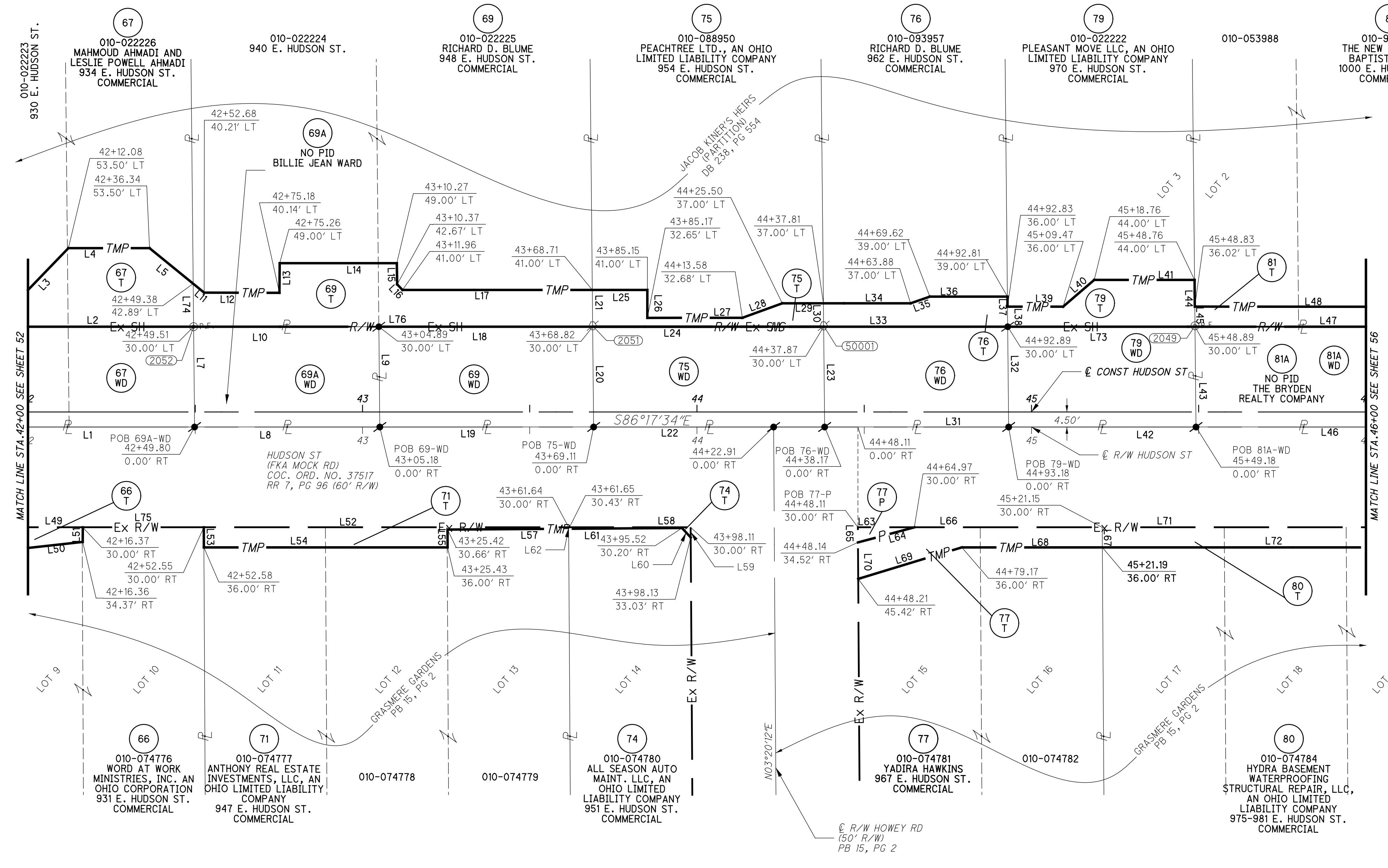
REV. BY	DATE	DESCRIPTION
DATE COMPLETED : JUNE 05, 2020		



**MONUMENT LEGEND**

- ◻ EXISTING R/W MONUMENT BOX
- ◻ PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIPE FOUND
- I.P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.F. P.K. NAIL SET
- M.N.F. MAG NAIL FOUND
- M.N.S. MAG NAIL SET
- ⚡ MAG SPIKE SET

L1	N86° 17' 34"W	75.00'
L2	S86° 17' 34"E	72.50'
L3	N47° 41' 48"E	21.54'
L4	S86° 17' 34"E	24.26'
L5	S47° 09' 57"E	16.81'
L6	S03° 09' 01"W	12.89'
L7	S03° 09' 01"W	30.00'
L8	N86° 17' 34"W	55.39'
L9	S03° 09' 01"W	30.00'
L10	S86° 17' 34"E	55.39'
L11	S47° 09' 57"E	4.25'
L12	S86° 06' 34"E	22.50'
L13	N04° 15' 06"E	8.86'
L14	S86° 17' 34"E	35.01'
L15	S02° 50' 22"W	6.34'
L16	S40° 00' 47"E	2.30'
L17	S86° 17' 34"E	56.75'
L18	S86° 17' 34"E	63.92'
L19	N86° 17' 34"W	63.92'
L20	S03° 09' 01"W	30.00'
L21	S03° 09' 01"W	11.00'
L22	N86° 17' 34"W	69.06'
L23	S03° 09' 01"W	30.00'
L24	S86° 17' 34"E	69.06'
L25	S86° 17' 34"E	16.44'
L26	S03° 36' 57"W	8.35'
L27	S86° 21' 45"E	28.41'
L28	N73° 48' 16"E	12.68'
L29	S86° 17' 34"E	12.30'
L30	S03° 09' 01"W	7.00'
L31	N86° 17' 34"W	55.02'
L32	S03° 09' 01"W	30.00'
L33	S86° 17' 34"E	55.02'
L34	S86° 17' 34"E	26.07'
L35	N74° 29' 51"E	6.08'
L36	S86° 17' 34"E	23.19'
L37	S03° 09' 01"W	9.00'
L38	N03° 09' 01"E	6.00'
L39	S86° 17' 34"E	16.63'
L40	N52° 58' 11"E	12.26'
L41	S86° 17' 34"E	30.00'
L42	N86° 17' 34"W	56.00'
L43	S03° 09' 01"W	30.00'
L44	S03° 09' 01"W	14.00'
L45	N03° 09' 01"E	6.02'
L46	N86° 17' 34"W	64.34'
L47	S86° 17' 34"E	64.34'
L48	S86° 15' 16"E	89.74'
L49	S86° 17' 34"E	48.04'
L50	S87° 26' 01"W	69.80'
L51	S03° 50' 34"W	4.37'
L52	S86° 17' 34"E	109.09'
L53	S03° 24' 25"W	6.00'
L54	N86° 17' 34"W	72.85'
L55	S03° 34' 24"W	5.34'
L56	N86° 40' 10"W	36.23'
L57	S86° 17' 34"E	36.46'
L58	S03° 20' 12"W	3.03'
L59	N39° 00' 32"W	3.85'
L60	N86° 40' 10"W	33.87'
L61	S03° 21' 17"W	0.43'
L62	S86° 17' 34"E	16.87'
L63	S78° 41' 36"W	17.43'
L64	N03° 20' 12"E	4.52'
L65	S86° 17' 34"E	56.18'
L66	S03° 20' 46"W	6.00'
L67	N86° 17' 34"W	42.02'
L68	S76° 47' 42"W	32.37'
L69	N03° 20' 12"E	10.90'
L70	S86° 17' 34"E	109.42'
L71	S86° 17' 34"E	87.76'
L72	S86° 17' 34"E	56.00'
L73	S03° 09' 01"W	12.89'
L74	N86° 17' 34"W	36.18'
L75	N86° 17' 34"W	119.31'



PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
69A-WD	COM - 18.0	POC -2	S86° 17' 34"E 91.96'	42+49.80	0.00'
69-WD	COM - 19.0	POC -2	S86° 17' 34"E 147.35'	43+05.18	0.00'
75-WD	COM - 20.0	POC -2	S86° 17' 34"E 211.27'	43+69.11	0.00'
76-WD	COM - 21.0	POC -2	S86° 17' 34"E 280.33'	44+38.17	0.00'
77-P	COM - 22.1	POC -2	S86° 17' 34"E 290.27'	44+48.11	0.00'
77-P	COM - 22.2	POC -2	S03° 42' 26"W 30.00'	44+48.11	30.00' RT
79-WD	COM - 23.0	POC -2	S86° 17' 34"E 335.35'	44+93.18	0.00'
81A-WD	COM - 24.0	POC -2	S86° 17' 34"E 391.35'	45+49.18	0.00'

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

10/5/2021 10:11:06 AM  
10:01:2018\02392.C.Design\02392\_Hudson\_RW\_Sheets\_02392\_RB106.dgn

PID NO. 0  
R/W DESIGNER JBY  
R/W REVIEWER ATJ

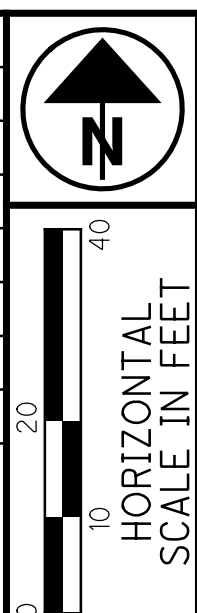
RIGHT OF WAY BOUNDARY SHEET  
STA. 42+00 TO STA. 46+00

HUDSON ST



STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
 UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



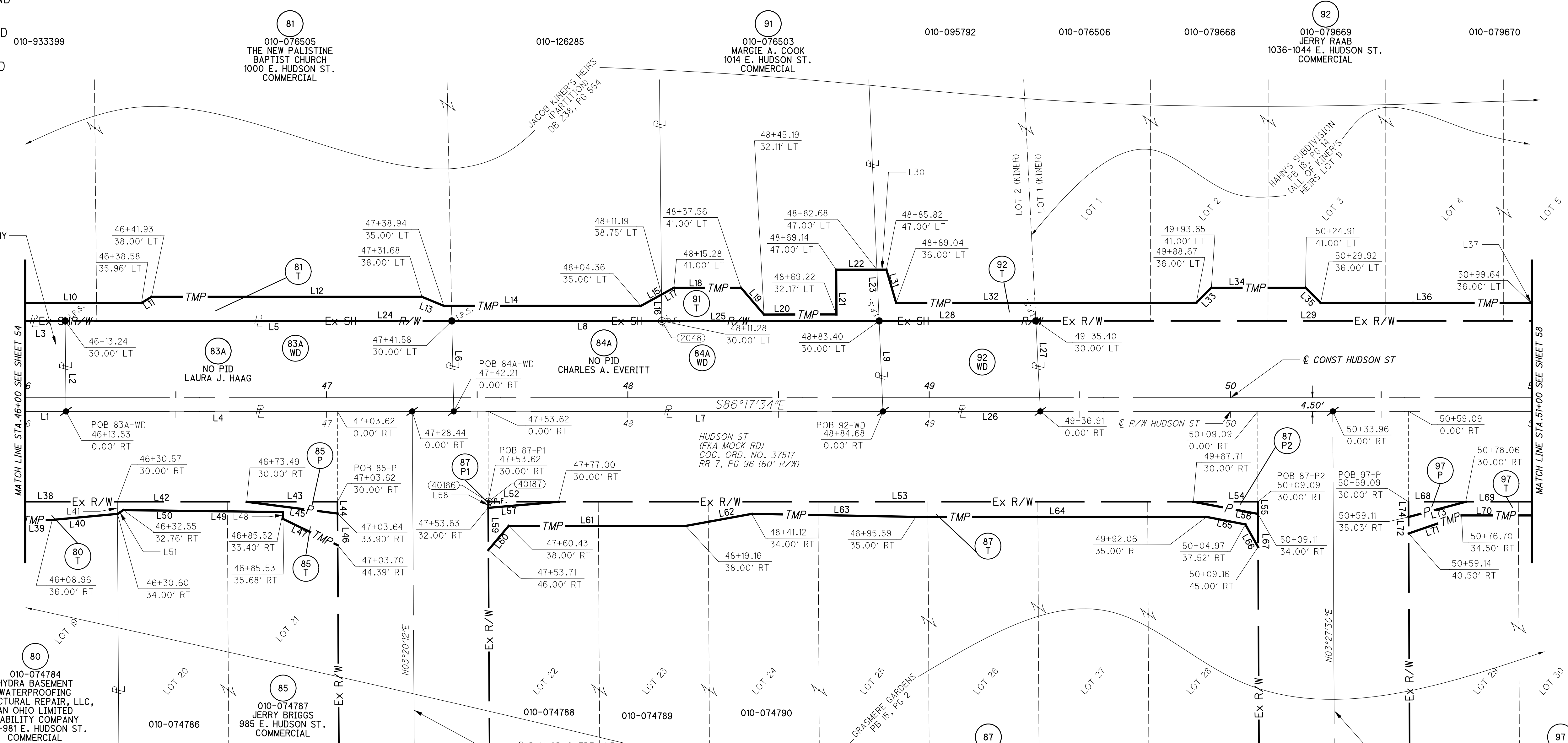
**MONUMENT LEGEND**

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET
- MAG NAIL FOUND
- MAG NAIL SET
- MAG SPIKE SET

PID NO. 0  
 R/W DESIGNER: JBY  
 R/W REVIEWER: ATJ

RIGHT OF WAY BOUNDARY SHEET  
 STA. 46+00 TO STA. 51+00

HUDSON ST  
 54/72  
 517  
 535



L1	N86° 17' 34"W	64.34'
L2	N03° 09' 01"E	30.00'
L3	S86° 17' 34"E	64.34'
L4	N86° 17' 34"W	128.69'
L5	S86° 17' 34"E	128.35'
L6	N02° 30' 25"E	30.01'
L7	N86° 17' 34"W	142.47'
L8	S86° 17' 34"E	141.82'
L9	S01° 15' 43"W	30.03'
L10	S86° 15' 16"E	89.74'
L11	N62° 22' 30"E	3.92'
L12	S86° 17' 34"E	89.75'
L13	S63° 50' 17"E	7.85'
L14	S86° 17' 34"E	65.43'
L15	N64° 54' 53"E	7.79'
L16	S03° 09' 01"W	8.75'
L17	N64° 54' 53"E	4.66'
L18	S86° 17' 34"E	22.28'

L19	S36° 55' 40"E	11.72'
L20	S86° 26' 35"E	24.03'
L21	N03° 23' 12"E	14.83'
L22	S86° 17' 34"E	13.54'
L23	S01° 15' 43"W	17.02'
L24	N86° 17' 34"W	262.39'
L25	N86° 17' 34"W	72.12'
L26	N86° 17' 34"W	52.23'
L27	S00° 49' 26"W	30.04'
L28	S86° 17' 34"E	52.00'
L29	N86° 17' 34"W	194.19'
L30	S86° 17' 34"E	3.15'
L31	S12° 35' 37"E	11.46'
L32	S86° 17' 34"E	99.63'
L33	N48° 37' 23"E	7.06'
L34	S86° 17' 34"E	31.25'
L35	S41° 22' 37"E	7.08'
L36	S86° 17' 34"E	69.72'

L37	N48° 37' 23"E	12.71'
L38	S86° 17' 34"E	109.42'
L39	N86° 17' 34"W	87.76'
L40	S88° 25' 37"W	21.73'
L41	S03° 21' 40"W	4.00'
L42	S86° 17' 34"E	42.92'
L43	S86° 17' 34"E	30.12'
L44	S03° 22' 17"W	3.90'
L45	S78° 55' 12"E	30.40'
L46	S03° 22' 17"W	10.49'
L47	N60° 40' 26"W	20.16'
L48	N03° 32' 32"E	2.28'
L49	N85° 35' 42"W	52.97'
L50	NOT USED	
L51	S61° 12' 34"W	2.32'
L52	S86° 17' 34"E	23.38'
L53	S86° 17' 34"E	210.72'
L54	S86° 17' 34"E	21.38'

L55	S03° 27' 30"W	4.00'
L56	S75° 42' 10"E	21.76'
L57	N88° 48' 52"E	23.45'
L58	N03° 21' 17"E	2.00'
L59	N03° 22' 17"E	14.00'
L60	S43° 42' 56"W	10.44'
L61	N86° 17' 34"W	58.73'
L62	S83° 22' 58"W	22.32'
L63	N85° 14' 29"W	54.49'
L64	N86° 17' 34"E	96.47'
L65	N75° 15' 59"W	13.15'
L66	N25° 30' 04"W	8.57'
L67	S03° 27' 30"W	11.00'
L68	S86° 17' 34"E	18.97'
L69	S86° 17' 34"E	90.15'
L70	N86° 17' 34"W	47.60'
L71	S74° 50' 39"W	18.56'
L72	N03° 27' 30"E	5.47'

L73	N78° 49' 41"E	19.60'
L74	N03° 27' 30"E	5.03'

PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
83A-WD	COM - 25.0	POC -2	S86° 17' 34"E 455.69'	46+13.53	0.00'
84A-WD	COM - 26.0	POC -2	S86° 17' 34"E 584.38'	47+42.21	0.00'
85-P	COM - 27.1	POC -2	S86° 17' 34"E 545.78'	47+03.62	0.00'
85-P	COM - 27.2	POC -2	S03° 42' 26"W 30.00'	47+03.62	30.00' RT
87-P1	COM - 28.1	POC -2	S86° 17' 34"E 595.79'	47+53.62	0.00'
87-P1	COM - 28.2	POC -2	S03° 42' 26"W 30.00'	47+53.62	30.00' RT
87-P2	COM - 29.1	POC -2	S86° 17' 34"E 851.26'	50+09.09	0.00'
87-P2	COM - 29.2	POC -2	S03° 42' 26"W 30.00'	50+09.09	30.00' RT
92-WD	COM - 30.0	POC -2	S86° 17' 34"E 726.85'	48+84.68	0.00'
97-P	COM - 31.1	POC -2	S86° 17' 34"E 901.26'	50+59.09	0.00'
97-P	COM - 31.2	POC -2	S03° 42' 26"W 30.00'	50+59.09	30.00' RT

POC = POINT OF COMMENCEMENT  
 POB = TRUE POINT OF BEGINNING  
 FOR FOUND MONUMENT DESCRIPTIONS  
 SEE SHEETS 5 THRU 8

3575-E

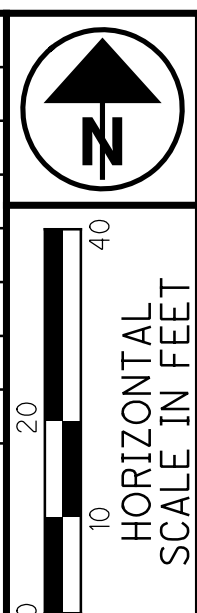
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**STRUCTURE KEY**

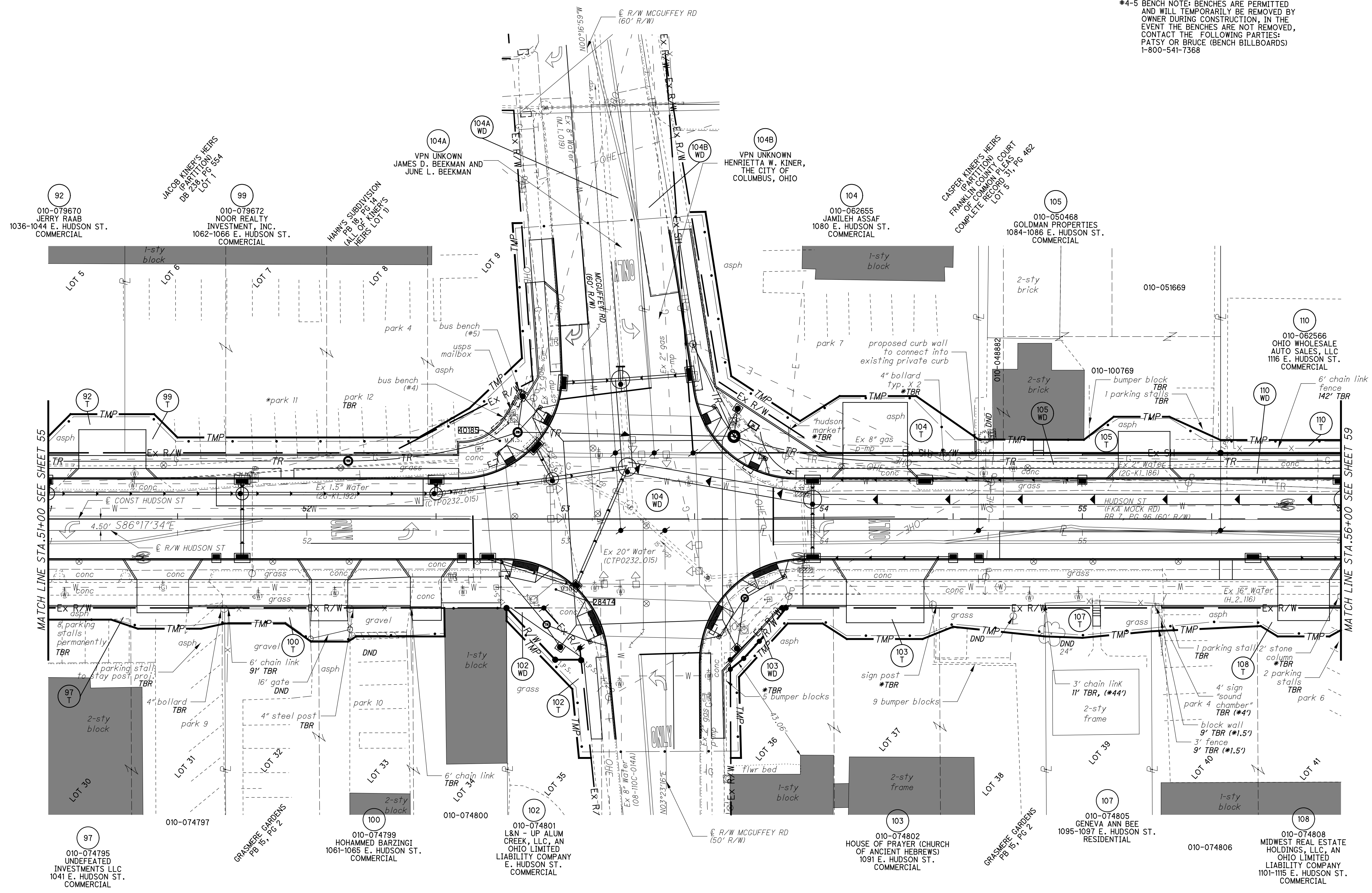
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

	ATJ	9/29/20	103-T LIGHT POLE FROM TBR TO DND
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>	
DATE COMPLETED: JUNE 05, 2020			



#4-5 BENCH NOTE: BENCHES ARE PERMITTED AND WILL TEMPORARILY BE REMOVED BY OWNER DURING CONSTRUCTION, IN THE EVENT THE BENCHES ARE NOT REMOVED, CONTACT THE FOLLOWING PARTIES:  
PATSY OR BRUCE (BENCH BILLBOARDS)  
1-800-541-7368



isoltasz 10/5/2021 10:11:08 AM  
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PID NO. 0  
 R/W DESIGNER: JBY  
 R/W REVIEWER: ATJ

RIGHT OF WAY TOPO SHEET  
 STA. 51+00 TO STA. 56+00

HUDSON ST

55/72

518  
535

3575-E

**MONUMENT LEGEND**

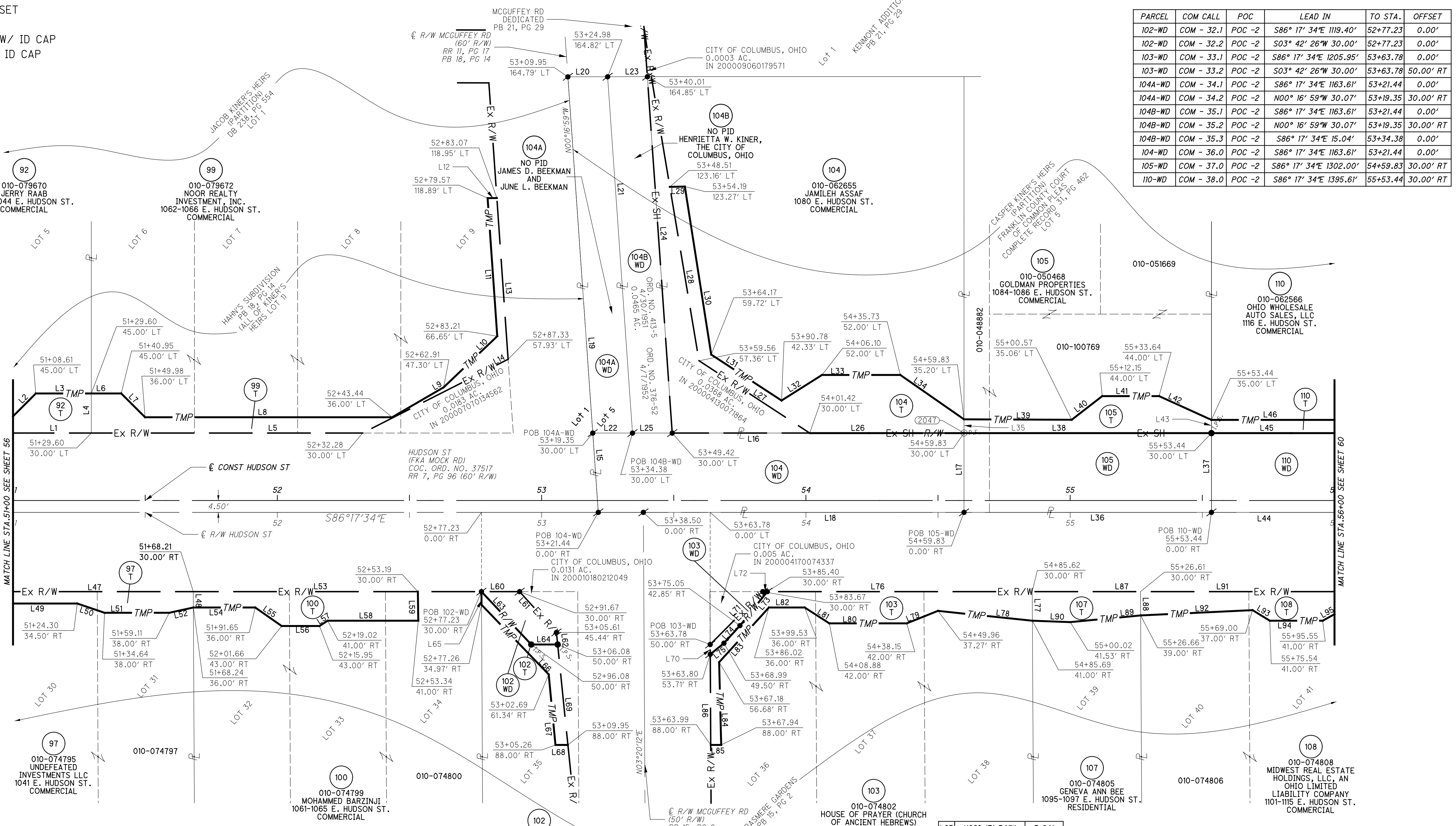
- ◻ EXISTING R/W MONUMENT BOX
- ◻ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊙ RAILROAD SPIKE FOUND
- ✶ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- I.P.F. IRON PIPE FOUND
- I.P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET
- M.N.F. MAG NAIL FOUND
- M.N.S. MAG NAIL SET
- ✶ MAG SPIKE SET

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
	JUNE 05, 2020	DATE COMPLETED

PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
102-WD	COM - 32.1	POC - 2	S86° 17' 34"E 119.40'	52+77.23	0.00'
102-WD	COM - 32.2	POC - 2	S03° 42' 26"W 30.00'	52+77.23	0.00'
103-WD	COM - 33.1	POC - 2	S86° 17' 34"E 1205.95'	53+63.78	0.00'
103-WD	COM - 33.2	POC - 2	S03° 42' 26"W 30.00'	53+63.78	50.00' RT
104A-WD	COM - 34.1	POC - 2	S86° 17' 34"E 1163.61'	53+21.44	0.00'
104A-WD	COM - 34.2	POC - 2	N00° 16' 59"W 30.07'	53+19.35	30.00' RT
104B-WD	COM - 35.1	POC - 2	S86° 17' 34"E 1163.61'	53+21.44	0.00'
104B-WD	COM - 35.2	POC - 2	N00° 16' 59"W 30.07'	53+19.35	30.00' RT
104B-WD	COM - 35.3	POC - 2	S86° 17' 34"E 15.04'	53+34.38	0.00'
104-WD	COM - 36.0	POC - 2	S86° 17' 34"E 1163.61'	53+21.44	0.00'
105-WD	COM - 37.0	POC - 2	S86° 17' 34"E 1302.00'	54+59.83	30.00' RT
110-WD	COM - 38.0	POC - 2	S86° 17' 34"E 1395.61'	55+53.44	30.00' RT

L1	N86° 17' 34"W	194.19'
L2	N48° 37' 23"E	12.71'
L3	S86° 17' 34"E	20.98'
L4	S03° 42' 49"W	15.00'
L5	N86° 17' 34"W	102.68'
L6	S86° 17' 34"E	11.36'
L7	S41° 22' 37"E	12.75'
L8	S86° 17' 34"E	93.45'
L9	N63° 34' 39"E	22.51'
L10	N50° 04' 57"E	28.05'
L11	N00° 16' 58"W	52.36'
L12	S87° 21' 06"E	3.50'
L13	S00° 16' 58"E	61.17'
L14	S66° 48' 17"W	61.73'
L15	N00° 16' 58"W	30.07'
L16	S86° 17' 34"E	140.48'
L17	S03° 42' 26"W	30.00'
L18	N86° 17' 34"W	138.39'
L19	N00° 16' 58"W	135.12'
L20	S86° 24' 16"E	15.03'
L21	S00° 16' 58"E	135.15'
L22	N86° 17' 34"W	15.04'
L23	S86° 24' 16"E	15.03'
L24	S00° 16' 58"E	135.18'
L25	S86° 17' 34"E	15.04'
L26	N86° 17' 34"W	58.41'
L27	N53° 07' 36"W	50.01'
L28	N05° 49' 17"W	66.73'
L29	S87° 21' 06"E	5.68'
L30	S05° 12' 58"E	64.33'
L31	S53° 07' 36"E	31.79'
L32	N61° 25' 39"E	18.11'
L33	S86° 17' 34"E	29.64'
L34	S51° 25' 10"E	29.38'
L35	S03° 42' 26"W	5.20'
L36	N86° 17' 34"W	93.61'
L37	S03° 42' 26"W	30.00'
L38	S86° 17' 34"E	93.61'
L39	S86° 05' 20"E	40.74'
L40	N56° 01' 13"E	14.63'
L41	S86° 17' 34"E	21.50'
L42	S61° 50' 54"E	21.75'
L43	S03° 42' 26"W	5.00'
L44	N86° 17' 34"W	119.00'
L45	S86° 17' 34"E	118.92'
L46	S86° 17' 34"E	113.12'
L47	S86° 17' 34"E	90.15'
L48	N03° 25' 41"E	6.00'
L49	N86° 17' 34"W	47.60'
L50	N67° 35' 41"W	10.92'
L51	N86° 17' 34"W	24.48'
L52	S81° 20' 57"W	9.34'
L53	N86° 17' 34"W	84.98'
L54	N86° 17' 34"W	23.41'
L55	N51° 18' 57"W	12.21'
L56	N86° 17' 34"W	14.29'
L57	S60° 40' 36"W	3.67'
L58	N86° 17' 34"W	34.32'
L59	S02° 55' 08"W	11.00'
L60	S86° 17' 34"E	14.44'
L61	S38° 22' 48"E	20.80'
L62	S02° 06' 38"E	4.59'
L63	S39° 35' 26"E	27.48'
L64	S86° 17' 34"E	10.00'
L65	N03° 23' 53"E	4.97'
L66	N40° 15' 06"W	36.63'
L67	N01° 47' 55"W	26.79'
L68	N86° 17' 34"W	4.69'
L69	S02° 06' 38"E	38.20'
L70	N03° 23' 16"E	3.71'
L71	N48° 32' 51"E	28.21'
L72	S86° 17' 34"E	1.73'
L73	N42° 33' 30"E	16.50'
L74	N46° 01' 58"E	9.00'
L75	N54° 38' 58"E	6.67'
L76	S86° 17' 34"E	100.23'
L77	S03° 23' 16"W	11.00'
L78	N80° 20' 23"W	35.92'
L79	S71° 53' 29"W	12.72'
L80	N86° 17' 34"W	29.27'
L81	N53° 37' 18"W	11.11'
L82	N86° 17' 34"W	13.51'
L83	S46° 01' 58"W	27.97'
L84	N02° 19' 29"E	31.33'
L85	N86° 17' 34"W	3.94'
L86	N03° 23' 16"E	34.29'
L87	S86° 17' 34"E	40.98'
L88	S03° 23' 16"W	9.00'
L89	S88° 16' 46"W	26.76'
L90	N84° 10' 17"W	14.34'
L91	S86° 17' 34"E	93.24'
L92	N88° 59' 49"W	42.39'
L93	N54° 49' 23"W	7.66'
L94	N86° 17' 34"W	20.01'
L95	S64° 33' 34"W	10.27'



**RIGHT OF WAY BOUNDARY SHEET**

**HUDSON ST**

STA. 51+00 TO STA. 56+00

PID NO. **0**

R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

56/72

519  
535

10/5/2021 10:11:09 AM  
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POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

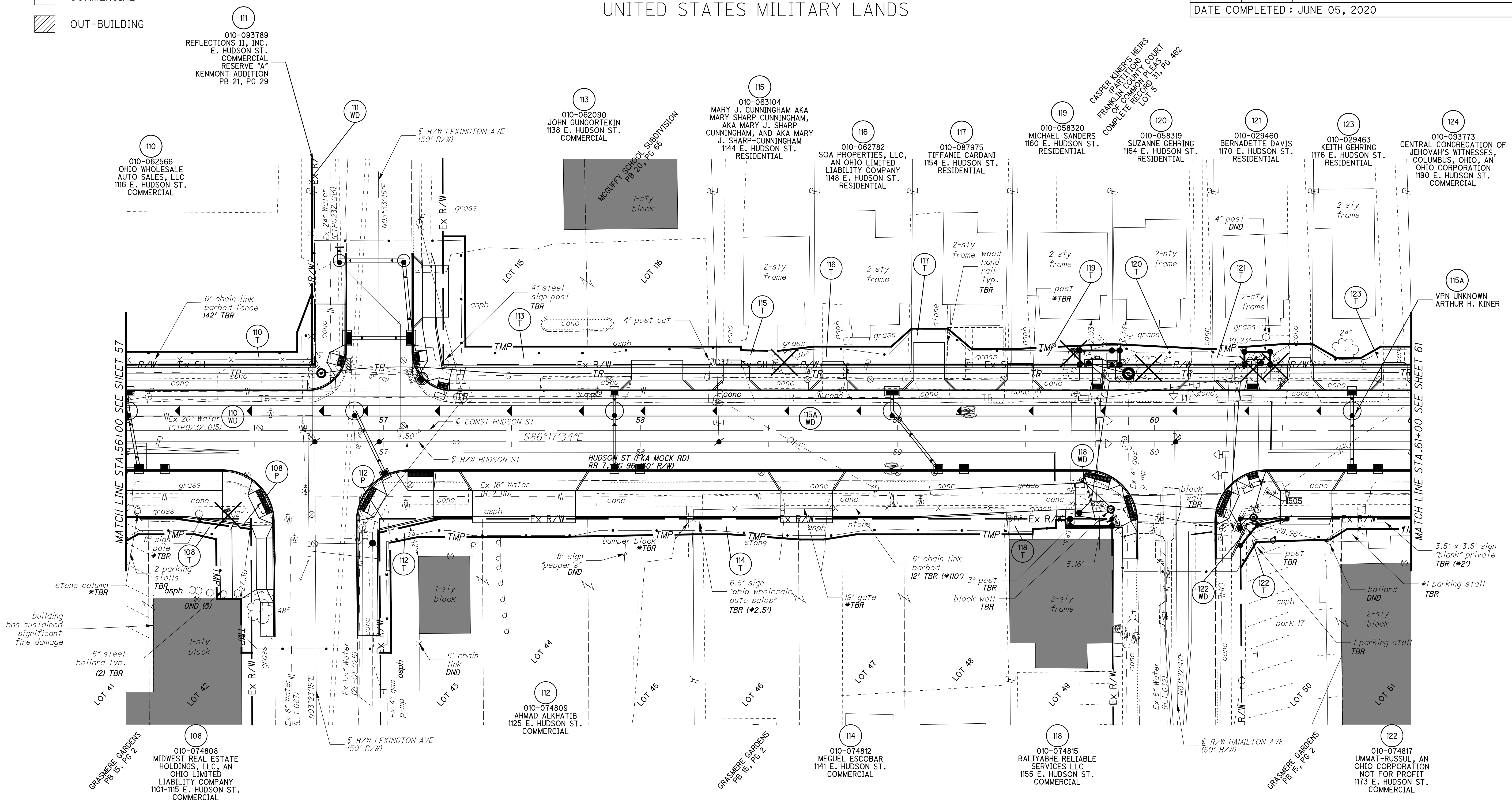
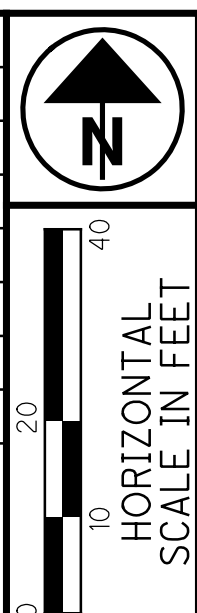
**3575-E**

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



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PID NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ

RIGHT OF WAY TOPO SHEET  
 STA. 56+00 TO STA. 61+00

HUDSON ST

57/72

520  
535

**3575-E**

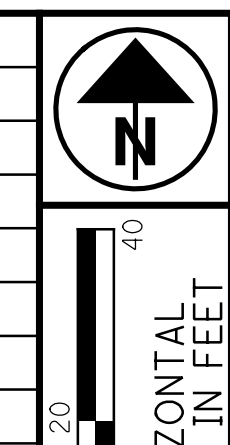


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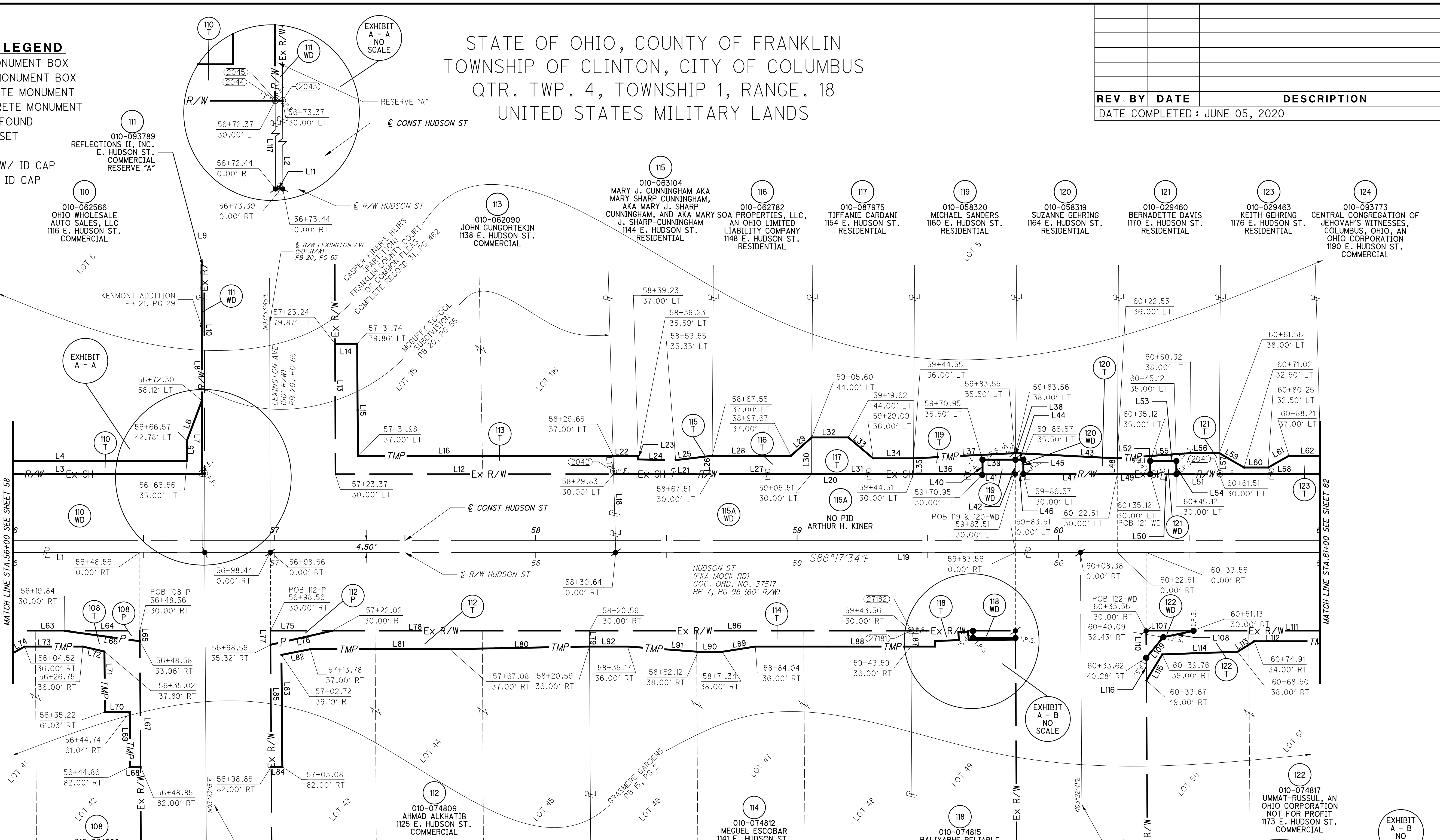
- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET
- MAG NAIL FOUND
- MAG NAIL SET
- MAG SPIKE SET

STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
 UNITED STATES MILITARY LANDS

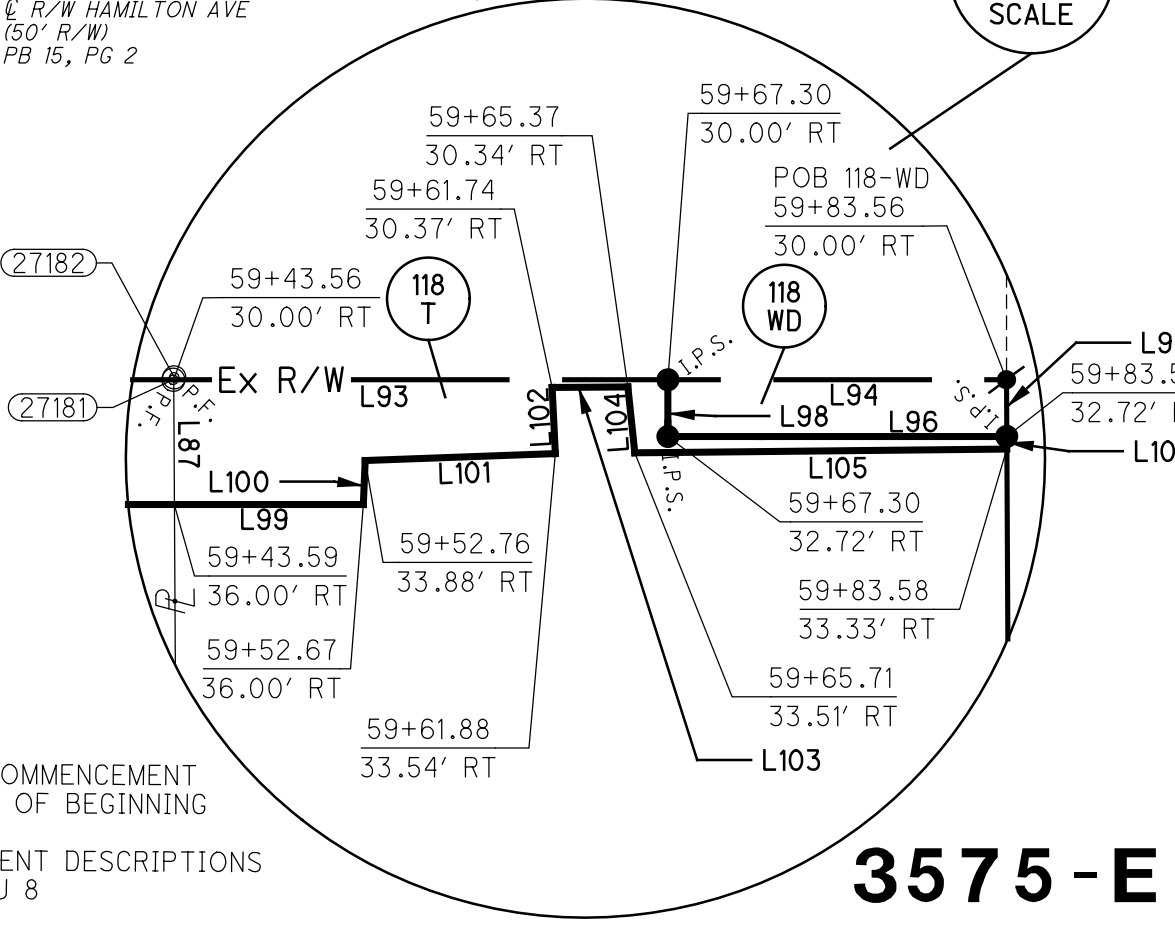
REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



L1	N86° 17' 34"W	119.00'
L2	S03° 33' 45"W	30.00'
L3	S86° 17' 34"E	118.92'
L4	S86° 17' 34"E	113.12'
L5	N03° 46' 29"E	7.78'
L6	N24° 09' 55"E	16.37'
L7	S03° 33' 45"W	28.12'
L8	N03° 33' 45"E	311.27'
L9	N86° 08' 32"W	1.00'
L10	S03° 33' 45"W	311.28'
L11	N86° 17' 34"W	1.00'
L12	N86° 17' 34"W	106.47'
L13	N03° 33' 45"E	49.87'
L14	S86° 15' 40"E	8.50'
L15	S03° 23' 23"W	42.86'
L16	S86° 17' 34"E	97.67'
L17	N02° 10' 24"E	7.00'
L18	S02° 10' 24"W	30.01'
L19	S86° 17' 34"E	315.05'
L20	S86° 17' 34"E	315.68'
L21	N86° 17' 34"W	37.68'
L22	S86° 17' 34"E	9.59'
L23	S03° 55' 17"W	1.41'
L24	S85° 14' 46"E	14.32'
L25	N86° 53' 34"E	14.11'
L26	S04° 02' 26"W	7.00'
L27	N86° 17' 34"W	38.00'
L28	S86° 17' 34"E	30.12'
L29	N52° 15' 03"E	10.57'
L30	S04° 02' 26"W	14.00'
L31	N86° 17' 34"W	39.00'
L32	S86° 17' 34"E	14.02'
L33	S46° 06' 00"E	12.40'
L34	S86° 17' 34"E	15.46'
L35	S04° 02' 26"W	6.00'
L36	N86° 17' 34"W	26.44'
L37	S89° 13' 40"E	39.06'
L38	S04° 02' 26"W	2.50'
L39	S86° 17' 34"E	12.59'
L40	N03° 42' 26"E	5.50'
L41	N86° 17' 34"W	12.56'
L42	S04° 02' 26"W	5.50'
L43	S83° 21' 23"E	39.04'
L44	S86° 17' 34"E	3.03'
L45	S03° 42' 26"W	5.50'
L46	S86° 17' 34"E	3.06'
L47	N86° 17' 34"W	35.94'
L48	S04° 02' 26"W	6.00'
L49	N86° 17' 34"W	12.60'
L50	S86° 17' 34"E	10.00'
L51	N86° 17' 34"W	16.40'
L52	N03° 42' 26"E	5.00'
L53	S86° 17' 34"E	10.00'
L54	S03° 42' 26"W	5.00'
L55	N89° 35' 17"E	27.84'
L56	S86° 17' 34"E	11.24'
L57	S04° 02' 26"W	8.00'
L58	N86° 17' 34"W	39.00'
L59	S56° 07' 33"E	10.94'
L60	S86° 17' 34"E	9.22'
L61	N64° 13' 41"E	9.14'
L62	S86° 17' 34"E	12.11'
L63	S86° 17' 34"E	93.24'
L64	N86° 17' 34"W	28.72'
L65	N03° 23' 15"E	3.96'
L66	S78° 26' 32"E	29.01'
L67	S03° 23' 15"W	48.04'
L68	N86° 17' 34"W	3.99'
L69	N03° 22' 58"E	20.96'
L70	N86° 15' 43"W	9.52'
L71	N03° 12' 23"E	23.14'
L72	N73° 24' 49"W	8.48'
L73	N86° 17' 34"W	22.24'
L74	S64° 33' 34"W	10.27'
L75	S86° 17' 34"E	23.46'
L76	N80° 54' 31"E	24.03'
L77	N03° 23' 15"E	5.32'
L78	S86° 17' 34"E	98.54'
L79	S03° 23' 00"W	6.00'
L80	N87° 21' 49"W	53.52'
L81	N86° 17' 34"W	53.30'
L82	S82° 30' 52"W	11.27'
L83	S03° 13' 36"W	42.81'
L84	N86° 17' 34"W	4.23'
L85	N03° 23' 15"E	46.68'
L86	S86° 17' 34"E	123.00'
L87	S03° 22' 46"W	6.00'
L88	N86° 17' 34"W	59.55'
L89	S84° 45' 25"W	12.86'
L90	N86° 17' 34"W	9.22'
L91	N82° 02' 54"W	27.02'
L92	N86° 17' 34"W	14.58'
L93	S86° 17' 34"E	23.74'
L94	S86° 17' 34"E	16.26'
L95	S03° 22' 41"W	2.72'
L96	S86° 17' 34"E	16.27'
L97	NOT USED	
L98	N03° 42' 26"E	2.72'
L99	N86° 17' 34"W	9.08'
L100	S06° 10' 04"W	2.12'
L101	N88° 25' 52"W	9.13'
L102	S01° 03' 50"W	3.18'
L103	N86° 43' 11"W	3.63'
L104	N02° 23' 23"W	3.19'
L105	N86° 53' 28"W	17.87'
L106	S03° 22' 41"W	0.60'
L107	S86° 17' 34"E	18.11'
L108	N81° 50' 22"E	11.83'
L109	N43° 15' 21"E	10.17'
L110	N03° 22' 41"E	10.28'
L111	S86° 17' 34"E	94.10'
L112	N86° 17' 34"W	43.85'
L113	S61° 45' 10"W	7.56'
L114	N88° 17' 07"W	28.76'
L115	S35° 02' 43"W	11.71'
L116	N03° 22' 41"E	8.72'
L117	N03° 33' 45"E	30.00'



PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
108-P	COM - 39.1	POC -2	S86° 17' 34"E 1490.73'	56+48.56	0.00'
108-P	COM - 39.2	POC -2	S03° 42' 26"W 30.00'	56+48.56	30.00' RT
112-P	COM - 40.1	POC -2	S86° 17' 34"E 1540.73'	56+98.56	0.00'
112-P	COM - 40.2	POC -2	S03° 42' 26"W 30.00'	56+98.56	30.00' RT
118-WD	COM - 41.1	POC -3	N86° 17' 34"W 162.13'	59.83.56	0.00'
118-WD	COM - 41.2	POC -3	S03° 42' 26"W 30.00'	59.83.56	30.00' RT
119-WD	COM - 42.1	POC -3	N86° 17' 34"W 162.18'	59+83.51	0.00'
119-WD	COM - 42.2	POC -3	N03° 42' 26"E 30.00'	59+83.51	30.00' LT
120-WD	COM - 43.1	POC -3	N86° 17' 34"W 162.18'	59+83.51	0.00'
120-WD	COM - 43.2	POC -3	N03° 42' 26"E 30.00'	59+83.51	30.00' LT
121-WD	COM - 44.1	POC -3	N86° 17' 34"W 107.57'	60+22.51	0.00'
121-WD	COM - 44.2	POC -3	N03° 42' 26"E 30.00'	60+22.51	30.00' LT
121-WD	COM - 44.3	POC -3	L49	60+38.12	30.00' LT
122-WD	COM - 45.1	POC -3	N86° 17' 34"W 112.13'	60+33.56	0.00'
122-WD	COM - 45.2	POC -3	S03° 42' 26"W 30.00'	60+33.56	30.00' RT



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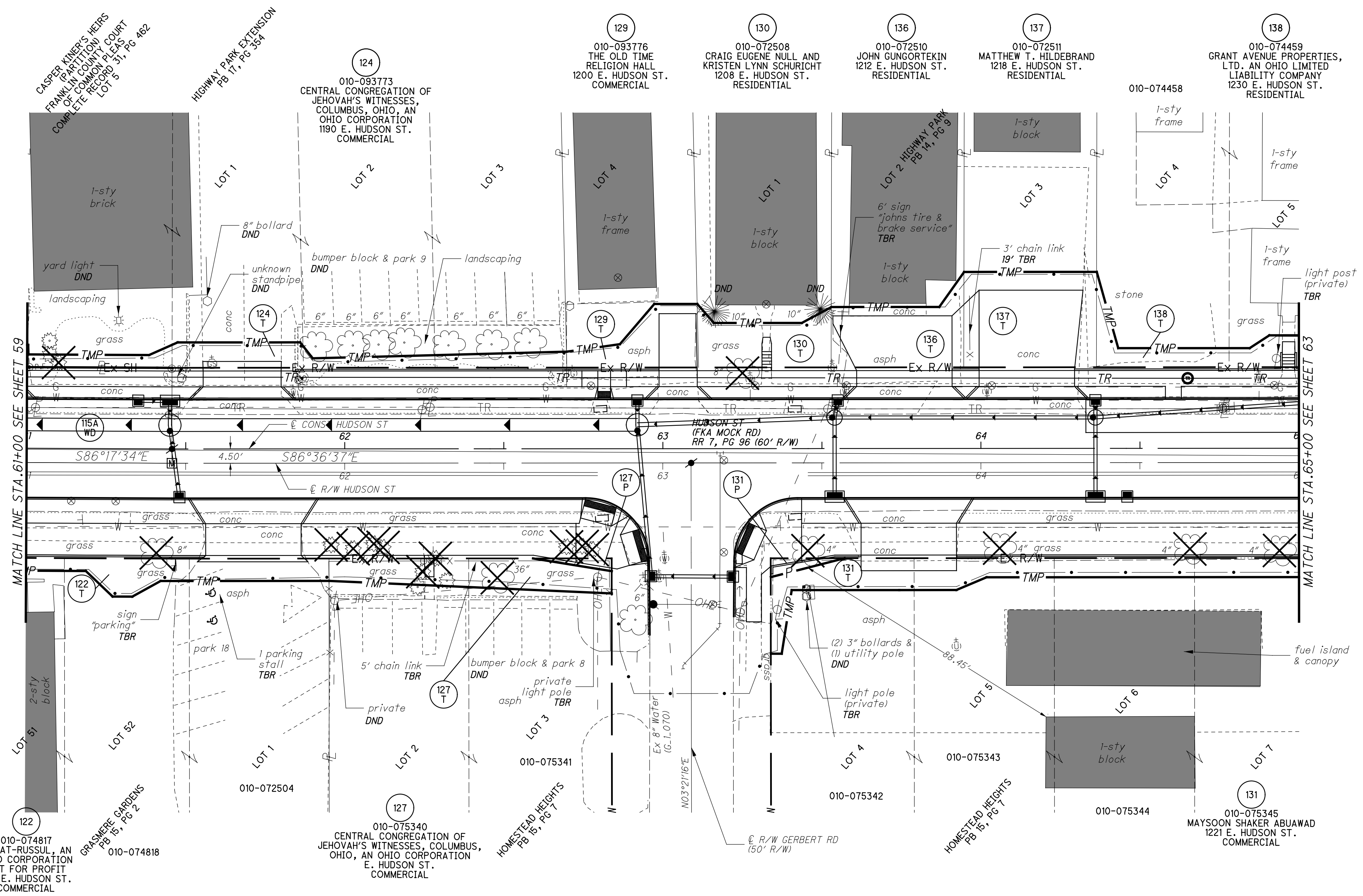
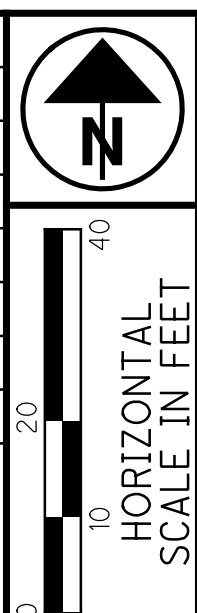
RIGHT OF WAY BOUNDARY SHEET  
 STA. 56+00 TO STA. 61+00  
 HUDSON ST  
 PID NO. 0  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ  
 58/72  
 521  
 535

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
DATE COMPLETED : JUNE 05, 2020		



PID NO. **0**  
 R/W DESIGNER: JBY  
 R/W REVIEWER: ATJ

**RIGHT OF WAY TOPO SHEET**  
**STA. 61+00 TO STA. 65+00**

**HUDSON ST**

59/72

522  
535

**3575-E**

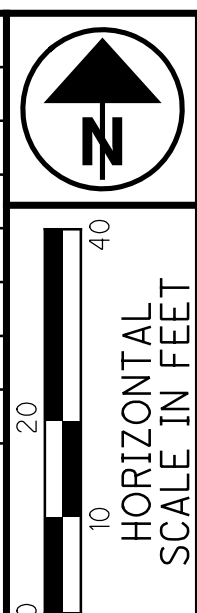
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**MONUMENT LEGEND**

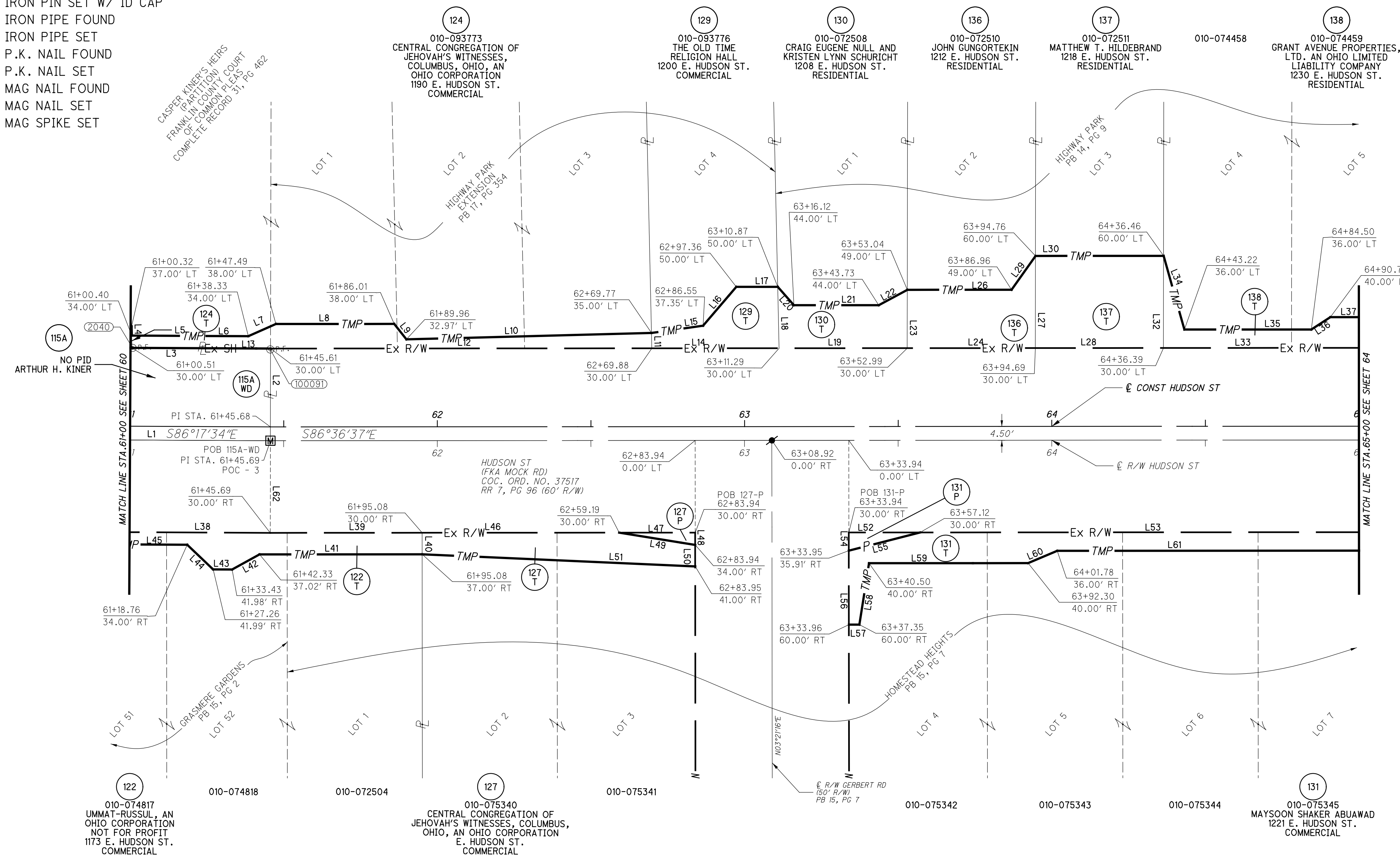
- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊗ RAILROAD SPIKE FOUND
- ✱ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET
- M.N.F. MAG NAIL FOUND
- M.N.S. MAG NAIL SET
- ✱ MAG SPIKE SET

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



L1	N86° 17' 34"W	315.05'
L2	N03° 22' 13"E	30.00'
L3	S86° 17' 34"E	315.68'
L4	S02° 05' 09"W	7.00'
L5	N02° 05' 09"E	4.00'
L6	S86° 17' 34"E	37.93'
L7	N69° 34' 35"E	9.81'
L8	S86° 36' 34"E	38.52'
L9	S34° 42' 01"E	6.39'
L10	S88° 04' 06"E	79.84'
L11	N02° 09' 07"E	5.00'
L12	N86° 36' 37"W	124.19'
L13	N86° 17' 34"W	45.00'
L14	N86° 36' 37"W	41.41'
L15	N85° 23' 59"E	16.94'
L16	N43° 55' 18"E	16.64'
L17	S86° 36' 37"E	13.51'
L18	S02° 10' 24"W	20.00'
L19	N86° 36' 37"W	41.70'
L20	S37° 47' 59"E	7.97'
L21	S86° 36' 37"E	27.61'
L22	N65° 08' 31"E	10.56'
L23	S03° 31' 41"W	19.00'
L24	N86° 36' 37"W	41.70'
L25	NOT USED	
L26	S86° 36' 37"E	33.92'
L27	S03° 31' 23"W	30.00'
L28	N86° 36' 37"W	41.70'
L29	N38° 44' 46"E	13.49'
L30	S86° 36' 37"E	41.70'
L31	NOT USED	
L32	S03° 31' 05"W	30.00'
L33	N86° 36' 37"W	83.40'
L34	S12° 20' 15"E	24.93'
L35	S86° 36' 37"E	41.28'
L36	N60° 35' 05"E	7.38'
L37	S86° 36' 37"E	25.82'
L38	N86° 17' 34"E	94.10'
L39	S86° 36' 37"E	49.47'
L40	S03° 22' 10"W	7.00'
L41	N86° 36' 37"W	52.96'
L42	S64° 32' 12"W	10.18'
L43	N86° 20' 15"W	6.18'
L44	N43° 03' 46"W	11.66'
L45	N86° 17' 34"W	43.85'
L46	S86° 36' 37"E	64.11'
L47	S86° 36' 37"E	24.75'
L48	S03° 21' 16"W	4.00'
L49	S77° 25' 53"E	25.08'
L50	S03° 21' 16"W	7.00'
L51	N84° 01' 59"W	88.96'
L52	S86° 36' 37"E	23.17'
L53	S86° 36' 37"E	198.21'
L54	N03° 21' 16"E	5.91'
L55	N79° 05' 04"E	23.91'
L56	N03° 21' 16"E	24.09'
L57	N86° 36' 37"W	3.39'
L58	S12° 20' 03"W	20.25'
L59	N86° 36' 37"W	51.80'
L60	S70° 30' 19"W	10.29'
L61	N86° 36' 37"W	103.03'
L62	N86° 32' 55"W	30.00'



PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
127-P	COM - 46.1	POC -3	S86° 36' 37"E 138.25'	62+83.94	0.00'
127-P	COM - 46.2	POC -3	S03° 23' 23"W 30.00'	62+83.94	30.00' RT
131-P	COM - 47.1	POC -3	S86° 36' 37"E 188.25'	63+33.94	0.00'
131-P	COM - 47.2	POC -3	S03° 23' 23"W 30.00'	63+33.94	30.00' RT

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

PID NO. 0  
R/W DESIGNER JBY  
R/W REVIEWER ATJ

RIGHT OF WAY BOUNDARY SHEET  
STA 61+00 TO STA. 65+00

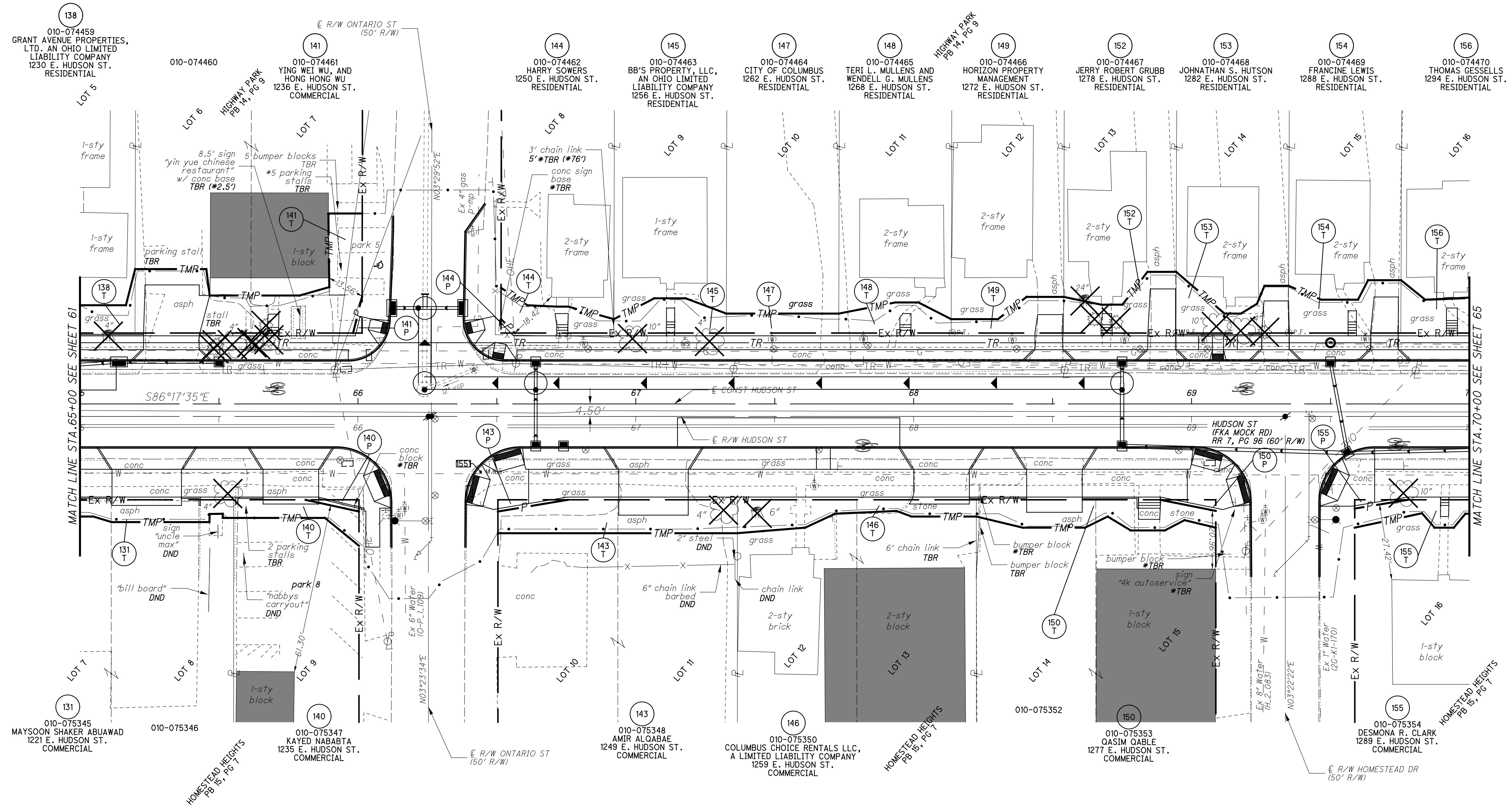
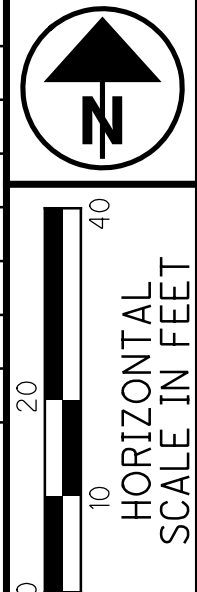
HUDSON ST

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

ATJ	9/9/20	ADDITIONAL AREA FOR 141-T
JBY	8/5/20	147 & 148: REMOVE PROP. DRIVE
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
DATE COMPLETED: JUNE 05, 2020		



PID NO. **0**  
R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

**RIGHT OF WAY TOPO SHEET**  
**STA. 65+00 TO STA. 70+00**

**HUDSON ST**

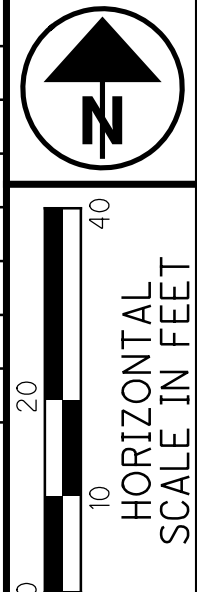
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**MONUMENT LEGEND**

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET
- MAG NAIL FOUND
- MAG NAIL SET
- MAG SPIKE SET

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

ATJ	9/9/20	ADDITIONAL AREA FOR 141-T
REV. BY	DATE	DESCRIPTION
DATE COMPLETED : JUNE 05, 2020		

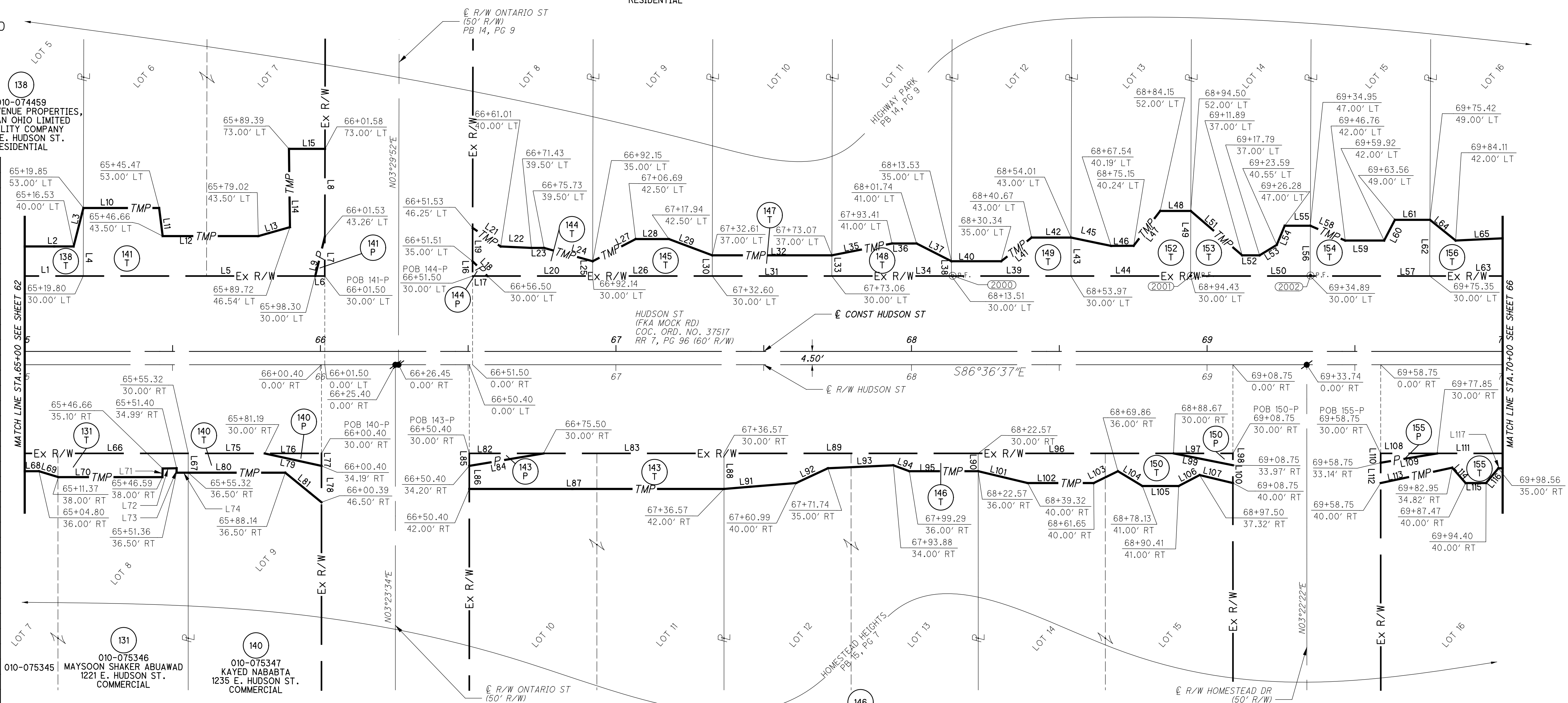


PID NO. 0  
R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

RIGHT OF WAY BOUNDARY SHEET  
STA. 65+00 TO STA. 70+00

HUDSON ST  
62/72  
525  
535

L1	N86° 36' 37"W	83.40'
L2	S86° 36' 37"E	25.82'
L3	N17° 04' 29"E	13.42'
L4	S03° 30' 28"W	23.00'
L5	N86° 36' 37"W	78.50'
L6	N86° 36' 37"W	3.20'
L7	S03° 29' 52"W	13.26'
L8	S03° 29' 52"W	29.74'
L9	N17° 04' 27"E	13.65'
L10	S86° 36' 37"E	25.62'
L11	S03° 47' 09"E	9.58'
L12	S86° 36' 37"E	32.36'
L13	N77° 31' 23"E	11.13'
L14	N02° 40' 23"E	26.46'
L15	S86° 36' 37"E	12.19'
L16	N03° 29' 52"E	5.00'
L17	N86° 36' 37"W	5.00'
L18	S41° 33' 22"E	7.06'
L19	N03° 29' 52"E	11.25'
L20	N86° 36' 37"W	35.64'
L21	S53° 13' 23"E	11.35'
L22	S83° 51' 41"E	10.43'
L23	S86° 36' 37"E	4.30'
L24	S71° 17' 19"E	17.03'
L25	N03° 30' 42"E	5.00'
L26	N86° 36' 37"W	40.46'
L27	N66° 06' 37"E	16.36'
L28	S86° 36' 37"E	11.24'
L29	S66° 04' 11"E	15.68'
L30	N03° 31' 33"E	7.00'
L31	N86° 36' 37"W	40.46'
L32	S86° 36' 37"E	40.46'
L33	N03° 32' 24"E	7.00'
L34	N86° 36' 37"W	40.46'
L35	N82° 15' 51"E	20.73'
L36	S86° 36' 37"E	8.32'
L37	S59° 38' 24"E	13.23'
L38	N03° 33' 15"E	5.00'
L39	N86° 36' 37"W	40.46'
L40	S86° 36' 37"E	16.82'
L41	N55° 36' 49"E	13.06'
L42	S86° 36' 37"E	13.35'
L43	N03° 34' 06"E	13.00'
L44	N86° 36' 37"W	40.46'
L45	S74° 52' 38"E	13.81'
L46	S86° 59' 14"E	7.61'
L47	N40° 50' 20"E	14.81'
L48	S86° 36' 37"E	10.35'
L49	N03° 34' 57"E	22.00'
L50	N86° 36' 37"W	40.46'
L51	S45° 49' 33"E	22.96'
L52	S86° 36' 37"E	5.90'
L53	N61° 58' 07"E	6.80'
L54	N26° 00' 48"E	6.99'
L55	S86° 36' 37"E	8.67'
L56	N03° 35' 45"E	17.00'
L57	N86° 36' 37"W	40.46'
L58	S63° 40' 08"E	12.83'
L59	S86° 36' 37"E	13.16'
L60	N30° 51' 10"E	7.89'
L61	S86° 36' 37"E	11.86'
L62	N03° 36' 37"E	19.00'
L63	N86° 36' 37"W	40.46'
L64	S47° 44' 58"E	11.16'
L65	S89° 18' 53"E	31.79'
L66	S86° 36' 37"E	198.21'
L67	S03° 23' 19"W	6.50'
L68	N86° 36' 37"W	103.03'
L69	N69° 40' 58"W	6.87'
L70	N86° 36' 37"W	35.21'
L71	S04° 51' 13"W	2.90'
L72	N87° 56' 04"W	4.74'
L73	N04° 47' 46"E	1.51'
L74	N86° 36' 37"W	3.95'
L75	S86° 36' 37"E	25.88'
L76	S86° 36' 37"E	19.20'
L77	S03° 23' 34"W	4.19'
L78	S03° 23' 34"W	12.31'
L79	S74° 18' 34"E	19.65'
L80	N86° 36' 37"W	32.82'
L81	N47° 23' 40"W	15.82'
L82	S86° 36' 37"E	25.10'
L83	S86° 36' 37"E	61.07'
L84	N83° 53' 53"E	25.45'
L85	N03° 23' 34"E	4.20'
L86	N03° 23' 34"E	7.80'
L87	N86° 36' 37"W	86.17'
L88	S03° 23' 08"W	12.00'
L89	S86° 36' 37"E	86.00'
L90	S03° 22' 45"W	6.00'
L91	S88° 42' 28"W	24.50'
L92	S68° 26' 44"W	11.86'
L93	N89° 11' 48"W	22.16'
L94	N66° 20' 50"W	5.77'
L95	N86° 36' 37"W	23.28'
L96	S86° 36' 37"E	66.21'
L97	S86° 36' 37"E	19.96'
L98	S03° 22' 21"W	3.97'
L99	S75° 21' 04"E	20.36'
L100	S03° 22' 21"W	6.03'
L101	N73° 10' 29"W	17.22'
L102	N86° 36' 37"W	22.34'
L103	S67° 24' 53"W	9.13'
L104	N55° 26' 00"W	9.66'
L105	N86° 36' 37"W	12.28'
L106	S65° 58' 07"W	7.99'
L107	N73° 12' 00"W	11.56'
L108	S86° 36' 37"E	19.10'
L109	N84° 02' 38"E	19.36'
L110	N03° 22' 21"E	3.14'
L111	S86° 36' 37"E	45.56'
L112	N03° 22' 21"E	6.86'
L113	S81° 18' 55"W	24.75'
L114	N37° 44' 56"W	6.87'
L115	N86° 36' 37"W	6.93'
L116	S43° 08' 38"W	6.50'
L117	N86° 36' 37"W	24.84'



PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
140-P	COM - 48.1	POC - 3	S86° 36' 37"E 454.71'	66+00.40	0.00'
140-P	COM - 48.2	POC - 3	S03° 23' 23"W 30.00'	66+00.40	30.00' RT
141-P	COM - 49.1	POC - 3	S86° 36' 37"E 455.81'	66+01.50	0.00'
141-P	COM - 49.2	POC - 3	N03° 23' 23"E 30.00'	66+01.50	30.00' LT
143-P	COM - 50.1	POC - 3	S86° 36' 37"E 504.71'	66+50.40	0.00'
143-P	COM - 50.2	POC - 3	S03° 23' 23"W 30.00'	66+50.40	30.00' RT
144-P	COM - 51.1	POC - 3	S86° 36' 37"E 505.81'	66+51.50	0.00'
144-P	COM - 51.2	POC - 3	N03° 23' 23"E 30.00'	66+51.50	30.00' LT
150-P	COM - 52.1	POC - 3	S86° 36' 37"E 763.06'	69+08.75	0.00'
150-P	COM - 52.2	POC - 3	S03° 23' 23"W 30.00'	69+08.75	30.00' RT
155-P	COM - 53.1	POC - 3	S86° 36' 37"E 813.06'	69+58.75	0.00'
155-P	COM - 53.2	POC - 3	S03° 23' 23"W 30.00'	69+58.75	30.00' RT

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

3575-E

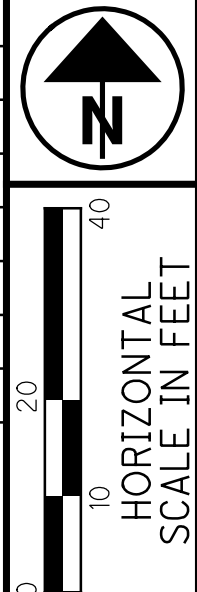
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**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		

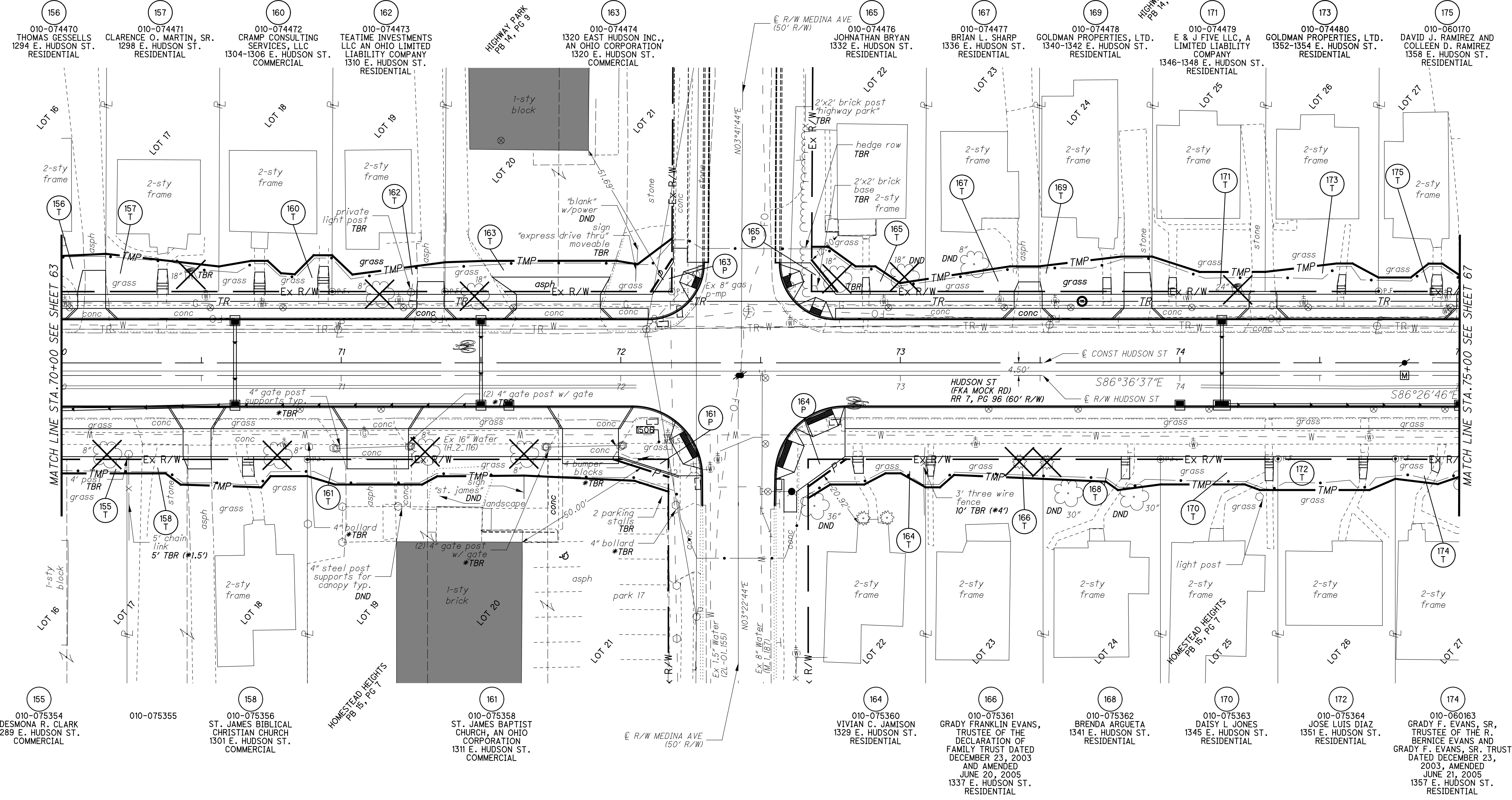


PID NO. **0**

R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

**RIGHT OF WAY TOPO SHEET**  
**STA. 70+00 TO STA. 75+00**

**HUDSON ST**



155 010-075354  
DESMONA R. CLARK  
1289 E. HUDSON ST.  
COMMERCIAL

010-075355

158 010-075356  
ST. JAMES BIBLICAL  
CHRISTIAN CHURCH  
1301 E. HUDSON ST.  
COMMERCIAL

HOMESTEAD HEIGHTS  
PB 9, PG 9

161 010-075358  
ST. JAMES BAPTIST  
CHURCH, AN OHIO  
CORPORATION  
1311 E. HUDSON ST.  
COMMERCIAL

164 010-075360  
VIVIAN C. JAMISON  
1329 E. HUDSON ST.  
RESIDENTIAL

166 010-075361  
GRADY FRANKLIN EVANS,  
TRUSTEE OF THE  
DECLARATION OF  
FAMILY TRUST DATED  
DECEMBER 23, 2003  
AND AMENDED  
JUNE 20, 2005  
1337 E. HUDSON ST.  
RESIDENTIAL

168 010-075362  
BRENDA ARGUETA  
1341 E. HUDSON ST.  
RESIDENTIAL

170 010-075363  
DAISY L JONES  
1345 E. HUDSON ST.  
RESIDENTIAL

172 010-075364  
JOSE LUIS DIAZ  
1351 E. HUDSON ST.  
RESIDENTIAL

174 010-060163  
GRADY F. EVANS, SR.  
TRUSTEE OF THE R.  
BERNICE EVANS AND  
GRADY F. EVANS, SR. TRUST  
DATED DECEMBER 23,  
2003, AMENDED  
JUNE 21, 2005  
1357 E. HUDSON ST.  
RESIDENTIAL

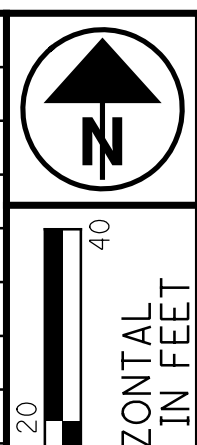
soltesz  
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**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ✕ RAILROAD SPIKE FOUND
- ✖ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET
- M.N.F. MAG NAIL FOUND
- M.N.S. MAG NAIL SET
- ✖ M.S. MAG SPIKE SET

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

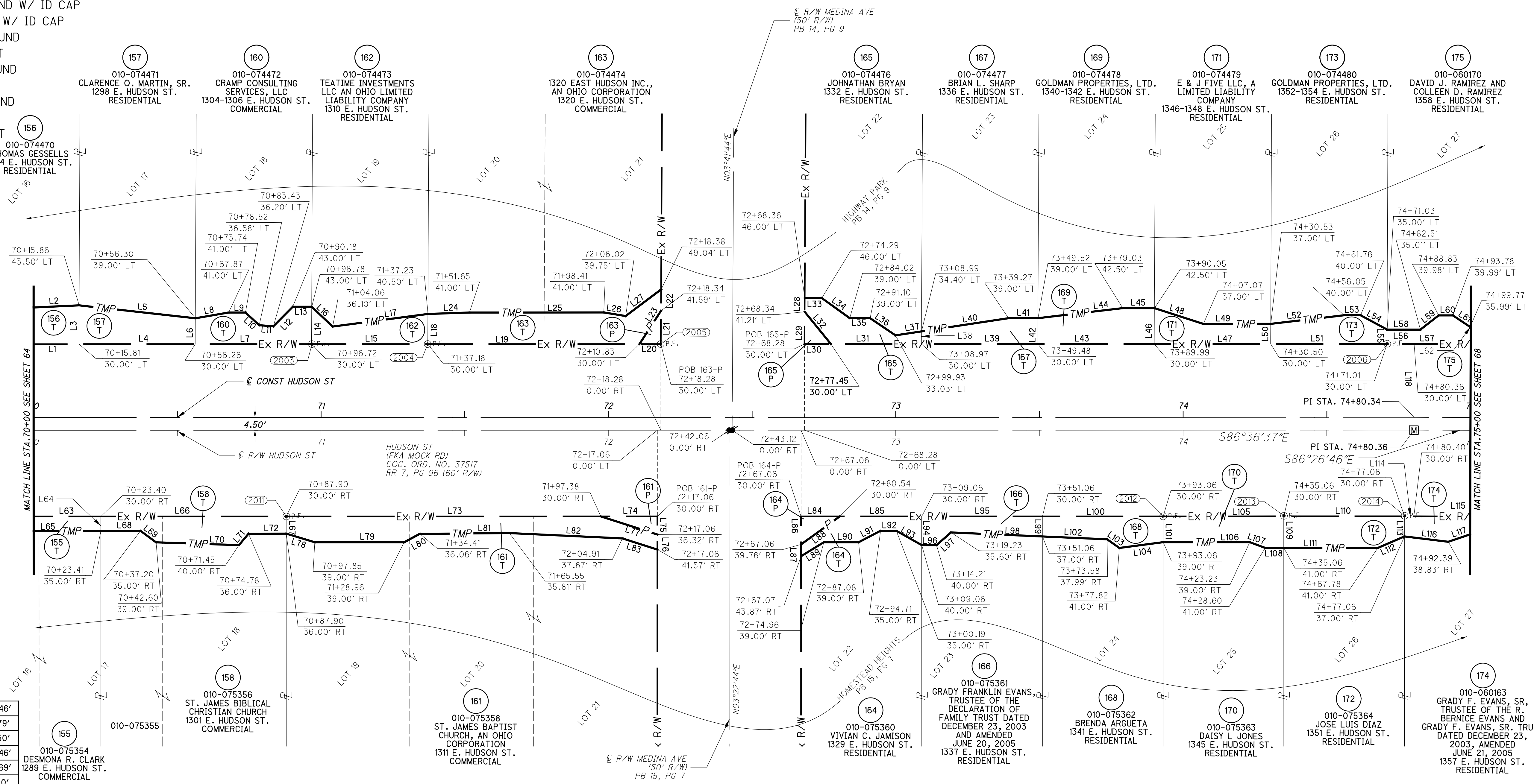
REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



PID NO. 0  
R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

**RIGHT OF WAY BOUNDARY SHEET  
STA. 70+00 TO STA. 75+00**

**HUDSON ST**



L1	N86° 36' 37"W	40.46'
L2	S89° 18' 53"E	31.79'
L3	N03° 37' 28"E	13.50'
L4	N86° 36' 37"W	40.46'
L5	S80° 15' 39"E	40.69'
L6	N03° 38' 19"E	9.00'
L7	N86° 36' 37"W	40.46'
L8	N83° 34' 42"E	11.74'
L9	S86° 36' 37"E	5.87'
L10	S43° 51' 33"E	6.51'
L11	S82° 12' 11"E	4.93'
L12	N48° 09' 19"E	9.57'
L13	S86° 36' 37"E	6.61'
L14	N03° 39' 11"E	13.00'
L15	N86° 36' 37"W	40.46'
L16	S43° 07' 41"E	10.03'
L17	N85° 49' 58"E	33.46'
L18	N03° 40' 02"E	10.50'
L19	N86° 36' 37"W	73.64'
L20	N86° 36' 37"W	7.46'
L21	S03° 41' 44"W	11.59'
L22	S03° 41' 44"W	7.45'

L23	N36° 22' 31"E	13.81'
L24	S88° 35' 44"E	14.43'
L25	S86° 36' 37"E	46.75'
L26	S77° 18' 48"E	7.72'
L27	N56° 28' 41"E	15.46'
L28	N03° 41' 44"E	4.79'
L29	N03° 41' 44"E	11.21'
L30	N86° 36' 37"W	9.17'
L31	N86° 36' 37"W	31.52'
L32	S35° 42' 48"E	14.45'
L33	S86° 36' 37"E	5.93'
L34	S50° 53' 11"E	11.99'
L35	S86° 36' 37"E	7.07'
L36	S52° 31' 51"E	10.66'
L37	N84° 45' 16"E	9.17'
L38	N03° 40' 50"E	4.40'

L39	N86° 36' 37"W	40.51'
L40	N84° 45' 16"E	30.63'
L41	S86° 36' 37"E	10.25'
L42	N03° 39' 57"E	9.00'
L43	N86° 36' 37"W	40.51'
L44	N86° 37' 26"E	29.71'
L45	S86° 36' 37"E	11.02'
L46	N03° 39' 04"E	12.50'
L47	N86° 36' 37"W	40.51'
L48	S68° 42' 14"E	17.89'
L49	S86° 36' 37"E	23.46'
L50	N03° 38' 12"E	7.00'
L51	N86° 36' 37"W	40.51'
L52	N86° 41' 06"E	25.69'
L53	S86° 36' 37"E	5.71'
L54	S58° 16' 27"E	10.53'

L55	N03° 37' 19"E	5.00'
L56	N86° 36' 37"W	9.39'
L57	N86° 26' 46"W	31.12'
L58	S86° 36' 37"E	11.58'
L59	N55° 21' 15"E	8.05'
L60	S86° 29' 03"E	4.95'
L61	S52° 44' 21"E	7.20'
L62	S86° 29' 03"E	11.67'
L63	S86° 36' 37"E	45.56'
L64	S03° 22' 26"W	5.00'
L65	N86° 36' 37"W	24.84'
L66	S86° 36' 37"E	64.50'
L67	S03° 22' 31"W	6.00'
L68	N86° 36' 37"W	13.79'
L69	N50° 06' 59"W	6.73'
L70	N84° 37' 29"W	28.87'

L71	S43° 09' 07"W	5.20'
L72	N86° 36' 37"W	13.12'
L73	S86° 36' 37"E	109.48'
L74	S86° 36' 37"E	19.68'
L75	S03° 22' 44"W	6.32'
L76	S03° 22' 44"W	5.25'
L77	S68° 48' 42"E	20.67'
L78	N69° 49' 11"W	10.39'
L79	N86° 36' 37"W	31.11'
L80	S65° 02' 46"W	6.19'
L81	N87° 04' 25"W	31.14'
L82	N83° 54' 23"W	39.41'
L83	N88° 48' 42"W	12.77'
L84	S86° 36' 37"E	13.48'
L85	S86° 36' 37"E	28.52'
L86	N03° 22' 44"E	9.76'

L87	N03° 22' 44"E	4.11'
L88	N57° 29' 25"E	16.64'
L89	S61° 44' 29"W	9.28'
L90	N86° 36' 37"W	12.11'
L91	S65° 44' 53"W	8.62'
L92	N86° 36' 37"W	5.48'
L93	N57° 12' 37"W	10.19'
L94	N03° 22' 44"E	10.00'
L95	S86° 36' 37"E	42.00'
L96	N86° 36' 37"W	5.14'
L97	S52° 11' 47"W	6.68'
L98	N84° 05' 40"W	31.86'
L99	N03° 22' 44"E	7.00'
L100	S86° 36' 37"E	42.00'
L101	N03° 22' 44"E	9.00'
L102	N84° 05' 40"W	22.54'

L103	N51° 11' 41"W	5.20'
L104	S85° 55' 01"W	15.38'
L105	S86° 36' 37"E	42.00'
L106	N86° 36' 37"W	30.17'
L107	N66° 11' 00"W	5.73'
L108	N86° 36' 37"W	6.46'
L109	N03° 22' 44"E	11.00'
L110	S86° 36' 37"E	42.00'
L111	N86° 36' 37"W	32.71'
L112	S70° 04' 56"W	10.11'
L113	N03° 22' 44"E	7.00'
L114	S86° 36' 37"E	3.25'
L115	S86° 26' 46"E	39.34'
L116	N79° 36' 43"W	15.33'
L117	S74° 37' 34"W	11.27'
L118	N03° 28' 19"E	30.00'

PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
161-P	COM - 54.1	POC - 3	S86° 36' 37"E 1071.37'	72+17.06	0.00'
161-P	COM - 54.2	POC - 3	S03° 23' 23"W 30.00'	72+17.06	30.00' RT
163-P	COM - 55.1	POC - 3	S86° 36' 37"E 1072.59'	72+18.28	0.00'
163-P	COM - 55.2	POC - 3	N03° 23' 23"E 30.00'	72+18.28	30.00' LT
164-P	COM - 56.1	POC - 3	S86° 36' 37"E 1121.37'	72+67.06	0.00'
164-P	COM - 56.2	POC - 3	S03° 23' 23"W 30.00'	72+67.06	30.00' RT
165-P	COM - 57.1	POC - 3	S86° 36' 37"E 1122.59'	72+68.28	0.00'
165-P	COM - 57.2	POC - 3	N03° 23' 23"E 30.00'	72+68.28	30.00' LT

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

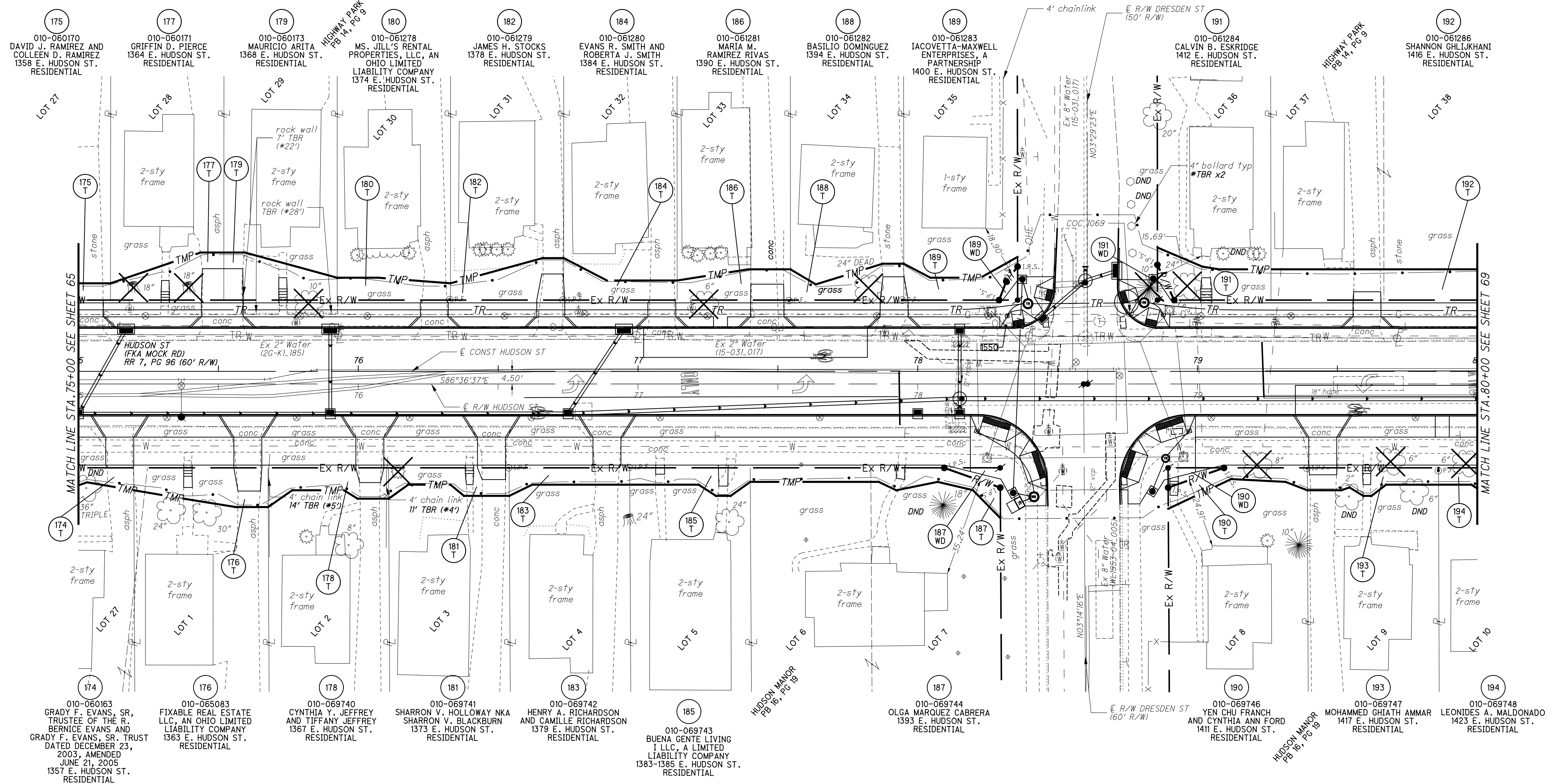
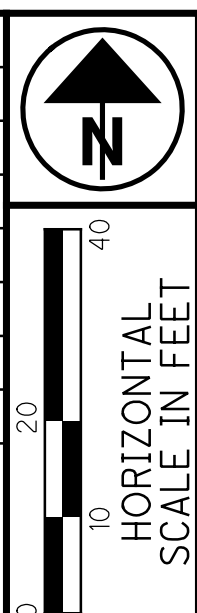
3575-E

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
 TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
 QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
 UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



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PID NO. **0**  
 R/W DESIGNER JBY  
 R/W REVIEWER ATJ

RIGHT OF WAY TOPO SHEET  
 STA. 75+00 TO STA. 80+00

HUDSON ST

65/72

528  
535

3575-E

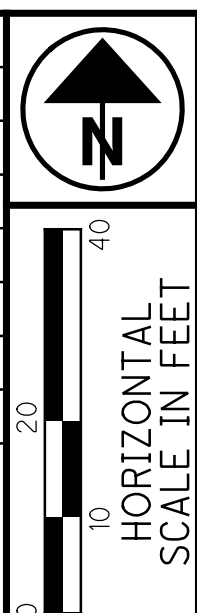


**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊗ RAILROAD SPIKE FOUND
- ✱ RAILROAD SPIKE SET
- ⊙ I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ R.K.F. P.K. NAIL FOUND
- ⊙ R.K.S. P.K. NAIL SET
- ⊙ M.N.F. MAG NAIL FOUND
- ⊙ M.N.S. MAG NAIL SET
- ✱ MAG SPIKE SET

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

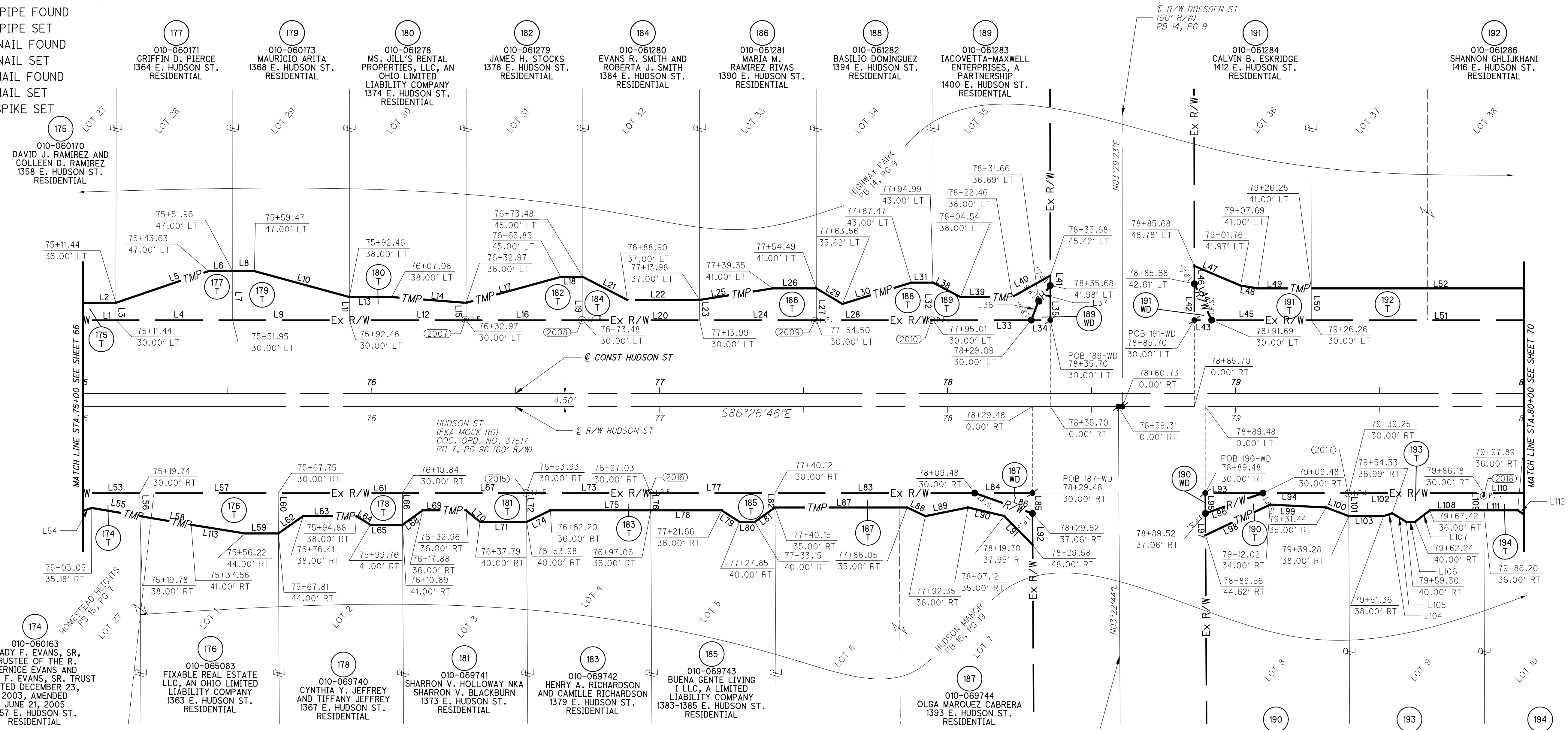
REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



PID NO. **0**  
R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 75+00 TO STA. 80+00**

**HUDSON ST**  
66/72  
529  
535



L1	N86° 26' 46"W	31.12'
L2	S86° 29' 03"E	11.67'
L3	N03° 36' 26"E	6.00'
L4	N86° 26' 46"W	40.51'
L5	N74° 41' 13"E	34.02'
L6	S86° 26' 46"E	8.33'
L7	N03° 35' 34"E	17.00'
L8	S86° 26' 46"E	7.52'
L9	N86° 26' 46"W	40.51'
L10	S71° 11' 05"E	34.19'
L11	N03° 34' 41"E	8.00'
L12	N86° 26' 46"W	40.51'
L13	S86° 26' 46"E	14.62'
L14	S82° 01' 42"E	25.96'
L15	N03° 33' 48"E	6.00'
L16	N86° 26' 46"W	40.51'
L17	N78° 14' 53"E	34.09'
L18	S86° 26' 46"E	7.62'

L19	N03° 33' 14"E	15.00'
L20	N86° 26' 46"W	40.51'
L21	S59° 01' 43"E	17.37'
L22	S86° 26' 46"E	25.09'
L23	N03° 32' 03"E	7.00'
L24	N86° 26' 46"W	40.51'
L25	N84° 35' 41"E	25.68'
L26	S86° 26' 46"E	15.13'
L27	N03° 31' 10"E	11.00'
L28	N86° 26' 46"W	40.51'
L29	S55° 47' 50"E	10.55'
L30	N76° 24' 20"E	25.02'
L31	S86° 26' 46"E	7.53'
L32	N03° 30' 18"E	13.00'
L33	N86° 26' 46"W	34.08'
L34	N86° 26' 46"W	6.61'
L35	S03° 29' 23"W	11.98'
L36	N24° 36' 45"E	7.17'

L37	N40° 48' 27"E	6.64'
L38	S58° 48' 25"E	10.78'
L39	S86° 26' 46"E	17.91'
L40	N64° 14' 29"E	15.16'
L41	S03° 29' 23"W	3.45'
L42	N03° 29' 23"E	12.61'
L43	N86° 26' 46"W	6.00'
L44	S21° 55' 38"E	13.97'
L45	N86° 26' 46"W	34.57'
L46	N03° 29' 23"E	6.17'
L47	S63° 30' 00"E	17.47'
L48	S77° 07' 13"E	6.01'
L49	S86° 26' 46"E	18.56'
L50	N03° 29' 17"E	11.00'
L51	N86° 26' 46"W	80.77'
L52	S86° 26' 46"E	80.77'
L53	S86° 26' 46"E	39.34'
L54	S74° 37' 34"W	11.27'

L55	N76° 51' 56"W	16.97'
L56	N03° 16' 04"E	8.00'
L57	S86° 26' 46"E	48.00'
L58	N76° 51' 56"W	18.03'
L59	N86° 26' 46"W	11.59'
L60	N03° 16' 04"E	14.00'
L61	S86° 26' 46"E	43.09'
L62	S58° 38' 15"W	10.48'
L63	N86° 26' 46"W	18.47'
L64	N54° 51' 40"W	5.73'
L65	N86° 26' 46"W	11.13'
L66	N03° 15' 46"E	11.00'
L67	S86° 26' 46"E	43.09'
L68	S57° 56' 59"W	8.59'
L69	N86° 26' 46"W	15.08'
L70	N46° 49' 08"W	6.27'
L71	N86° 26' 46"W	16.20'
L72	S03° 15' 28"W	10.00'

L73	S86° 26' 46"E	43.09'
L74	S67° 35' 14"W	9.14'
L75	N86° 26' 46"W	34.86'
L76	S03° 15' 10"W	6.00'
L77	S86° 26' 46"E	43.09'
L78	N86° 26' 46"W	24.60'
L79	N53° 34' 06"W	7.37'
L80	N86° 26' 46"W	5.30'
L81	S58° 00' 59"W	8.60'
L82	S03° 14' 52"W	5.00'
L83	S86° 26' 46"E	69.36'
L84	S86° 26' 46"E	20.00'
L85	S03° 14' 16"W	7.06'
L86	S67° 01' 38"E	21.25'
L87	N86° 26' 46"W	45.90'
L88	N60° 59' 56"W	6.98'

L89	S82° 04' 30"W	15.07'
L90	N73° 13' 17"W	12.92'
L91	N40° 57' 53"W	14.09'
L92	S03° 15' 10"W	10.94'
L93	S86° 26' 46"E	20.00'
L94	S86° 26' 46"E	29.77'
L95	N03° 14' 16"E	7.06'
L96	N74° 04' 43"E	21.17'
L97	N03° 14' 16"E	7.56'
L98	S68° 14' 41"W	24.85'
L99	N83° 29' 56"W	19.45'
L100	N65° 30' 00"W	8.39'
L101	S03° 19' 16"W	8.00'
L102	S86° 26' 46"E	46.93'
L103	N86° 26' 46"W	12.08'
L104	S74° 50' 00"W	3.13'

L105	N55° 16' 09"W	5.81'
L106	N86° 26' 46"W	2.95'
L107	S55° 50' 44"W	6.54'
L108	N86° 26' 46"W	18.78'
L109	S03° 24' 01"W	6.00'
L110	S86° 26' 46"E	46.93'
L111	N86° 26' 46"W	11.69'
L112	N53° 47' 34"W	7.41'
L113	N77° 18' 55"W	18.91'

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
187-WD	COM - 58.1	POC -4	N86° 26' 46"W 250.58'	78+29.48	0.00'
187-WD	COM - 58.2	POC -4	S03° 33' 14"W 30.00'	78+29.48	30.00' RT
189-WD	COM - 59.1	POC -4	N86° 26' 46"W 244.36'	78+35.70	0.00'
189-WD	COM - 59.2	POC -4	N03° 33' 14"E 30.00'	78+35.70	30.00' LT
190-WD	COM - 60.1	POC -4	N86° 26' 46"W 190.58'	78+89.48	0.00'
190-WD	COM - 60.2	POC -4	S03° 33' 14"W 30.00'	78+89.48	30.00' RT
191-WD	COM - 61.1	POC -4	N86° 26' 46"W 194.36'	78+85.70	0.00'
191-WD	COM - 61.2	POC -4	N03° 33' 14"E 30.00'	78+85.70	30.00' LT

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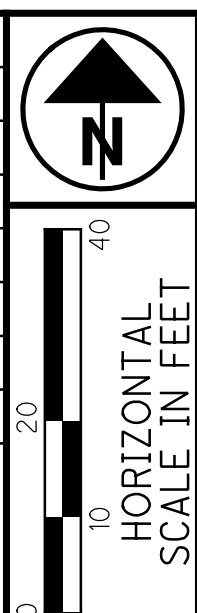
**3575-E**

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



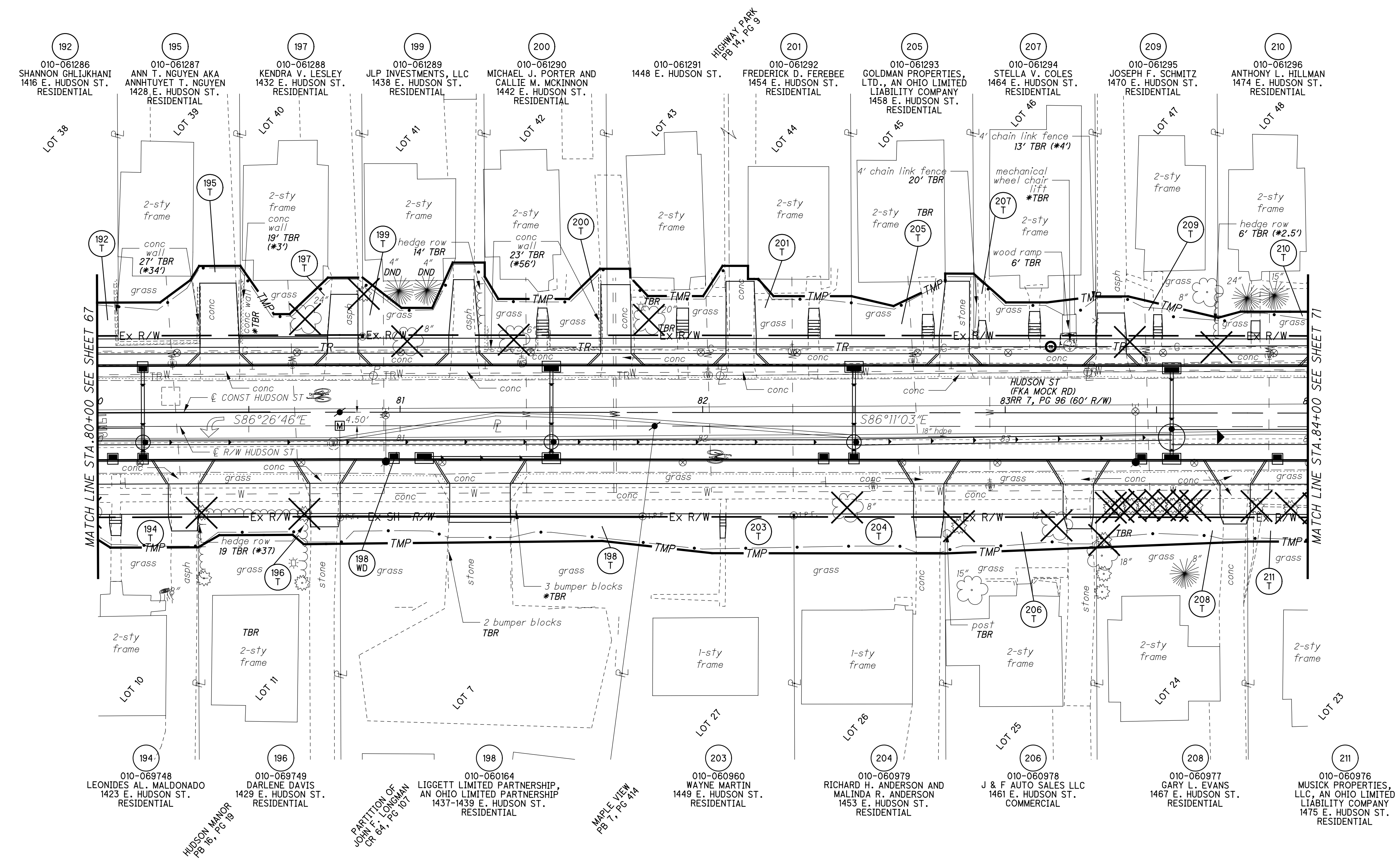
PID NO. **0**  
R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

**RIGHT OF WAY TOPO SHEET**  
**STA. 80+00 TO STA. 84+00**

**HUDSON ST**

67/72

530  
535



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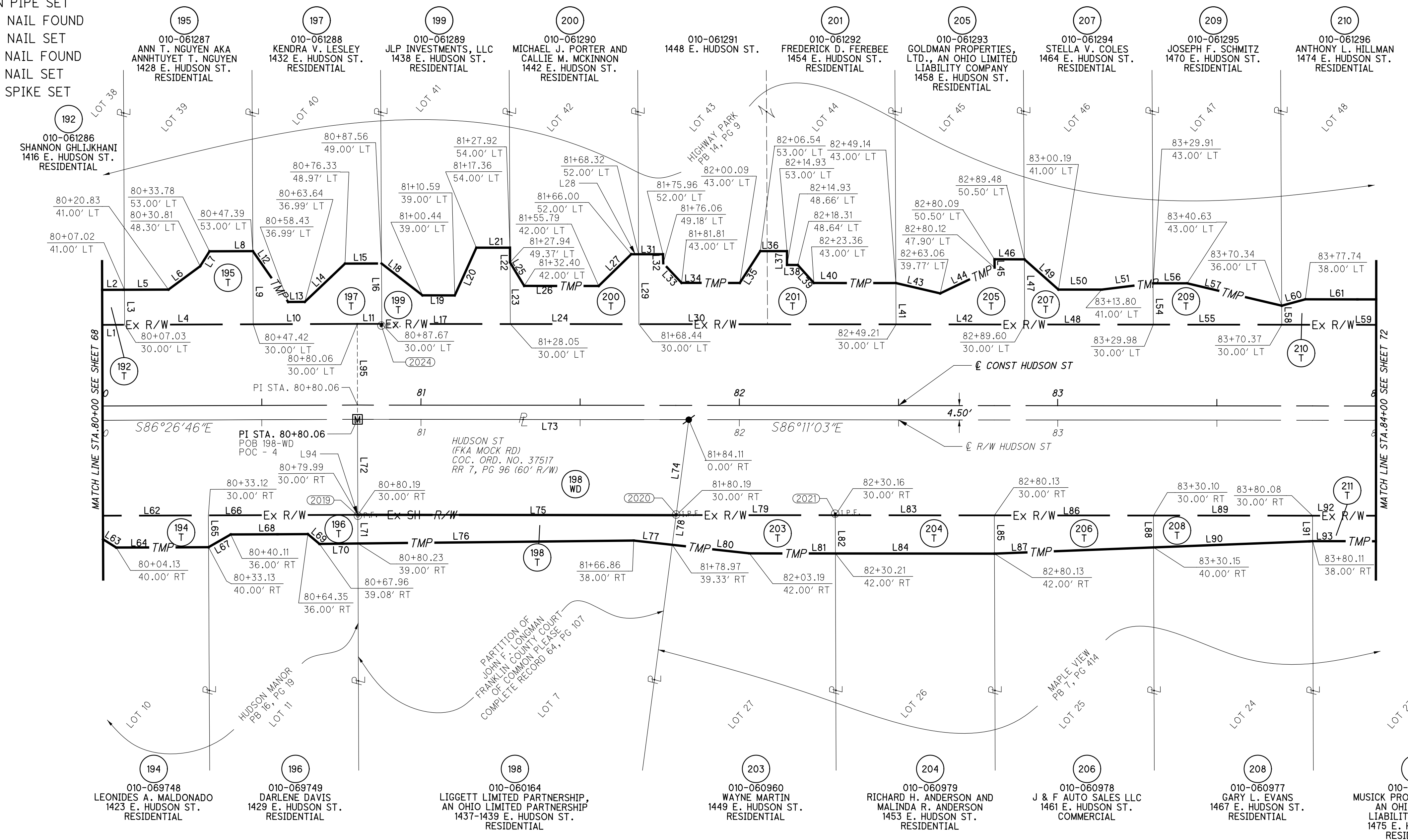
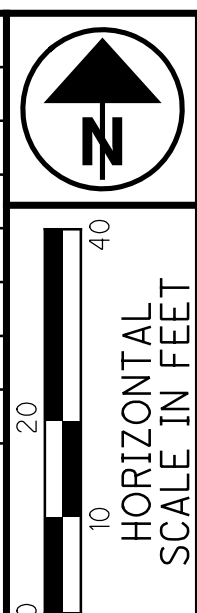
**3575-E**

**MONUMENT LEGEND**

- ◻ EXISTING R/W MONUMENT BOX
- ◻ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊗ RAILROAD SPIKE FOUND
- ✱ RAILROAD SPIKE SET
- ⊙ I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ R.K.F. P.K. NAIL FOUND
- ⊙ R.K.S. P.K. NAIL SET
- ⊙ M.N.F. MAG NAIL FOUND
- ⊙ M.N.S. MAG NAIL SET
- ✱ MAG SPIKE SET

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



L1	N86° 26' 46"W	80.77'	L48	N86° 11' 03"W	40.39'
L2	S86° 26' 46"E	80.77'	L49	S44° 35' 50"E	14.31'
L3	N03° 29' 20"E	11.00'	L50	S86° 11' 03"E	13.61'
L4	N86° 26' 46"W	40.39'	L51	N86° 44' 18"E	16.23'
L5	S86° 26' 46"E	13.81'	L52	NOT USED	
L6	N57° 22' 02"E	12.37'	L53	NOT USED	
L7	N35° 53' 37"E	5.56'	L54	N03° 29' 38"E	13.00'
L8	S86° 26' 46"E	13.61'	L55	N86° 11' 03"W	40.39'
L9	N03° 29' 22"E	23.00'	L56	S86° 11' 03"E	10.72'
L10	N86° 26' 46"W	32.70'	L57	S72° 55' 34"E	30.52'
L11	N86° 11' 03"W	7.68'	L58	N03° 29' 41"E	6.00'
L12	S31° 01' 10"E	19.44'	L59	N86° 11' 03"W	40.39'
L13	S86° 23' 46"E	5.22'	L60	N78° 42' 07"E	7.67'
L14	N50° 10' 37"E	17.46'	L61	S86° 11' 03"E	32.97'
L15	S86° 23' 46"E	11.45'	L62	S86° 26' 46"E	46.93'
L16	N03° 29' 23"E	19.00'	L63	N53° 47' 34"W	7.41'
L17	N86° 11' 03"W	40.39'	L64	N86° 26' 46"W	29.00'
L18	S48° 21' 48"E	16.31'	L65	S03° 28' 46"W	10.00'
L19	S86° 11' 03"E	10.15'	L66	S86° 26' 46"E	46.87'
L20	N28° 04' 56"E	16.45'	L67	S63° 43' 55"W	8.04'
L21	S86° 11' 03"E	10.56'	L68	N86° 26' 44"W	24.24'
L22	S03° 29' 26"W	24.00'	L69	N45° 57' 05"W	4.75'
L23	N03° 29' 26"E	19.37'	L70	N86° 50' 43"W	12.09'
L24	N86° 11' 03"W	40.39'	L71	S03° 34' 13"W	9.00'
L25	S27° 21' 07"E	8.61'	L72	N03° 33' 34"E	30.00'
L26	S86° 11' 03"E	23.39'	L73	S86° 11' 03"E	104.06'
L27	N49° 24' 14"E	14.29'	L74	S11° 16' 29"W	30.26'
L28	S86° 11' 03"E	2.32'	L75	N86° 11' 03"W	100.00'
L29	S03° 29' 26"W	22.00'	L76	N86° 50' 43"W	86.63'
L30	N86° 11' 03"W	80.77'	L77	N79° 54' 07"W	12.18'
L31	S86° 11' 03"E	7.65'	L78	S11° 15' 35"W	9.41'
L32	S01° 43' 40"W	2.83'	L79	S86° 11' 03"E	49.97'
L33	S39° 07' 04"E	8.44'	L80	N79° 54' 07"W	24.37'
L34	S86° 11' 03"E	18.28'	L81	N86° 11' 03"W	27.02'
L35	N36° 39' 17"E	11.90'	L82	N03° 34' 04"E	12.00'
L36	S86° 11' 03"E	8.39'	L83	S86° 11' 03"E	49.97'
L37	S03° 51' 18"W	4.34'	L84	N86° 11' 03"W	49.97'
L38	S85° 55' 47"E	3.39'	L85	N03° 34' 04"E	12.00'
L39	S38° 00' 43"E	7.57'	L86	S86° 11' 03"E	49.97'
L40	S86° 11' 03"E	25.77'	L87	N88° 28' 40"W	50.00'
L41	N03° 29' 33"E	13.00'	L88	S03° 34' 04"W	10.00'
L42	N86° 11' 03"W	40.39'	L89	S86° 11' 03"E	49.97'
L43	S73° 08' 13"E	14.29'	L90	N88° 28' 31"W	50.00'
L44	N68° 22' 15"E	18.90'	L91	S03° 34' 04"W	8.00'
L45	N03° 11' 12"E	2.60'	L92	S86° 11' 03"E	49.97'
L46	S86° 11' 03"E	9.39'	L93	N86° 11' 03"W	24.40'
L47	N03° 29' 36"E	20.50'	L94	S86° 11' 03"E	0.06'
			L95	N03° 41' 06"E	30.00'

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PID NO. 0  
R/W DESIGNER JBY  
R/W REVIEWER ATJ

RIGHT OF WAY BOUNDARY SHEET  
STA. 80+00 TO STA. 84+00

HUDSON ST

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

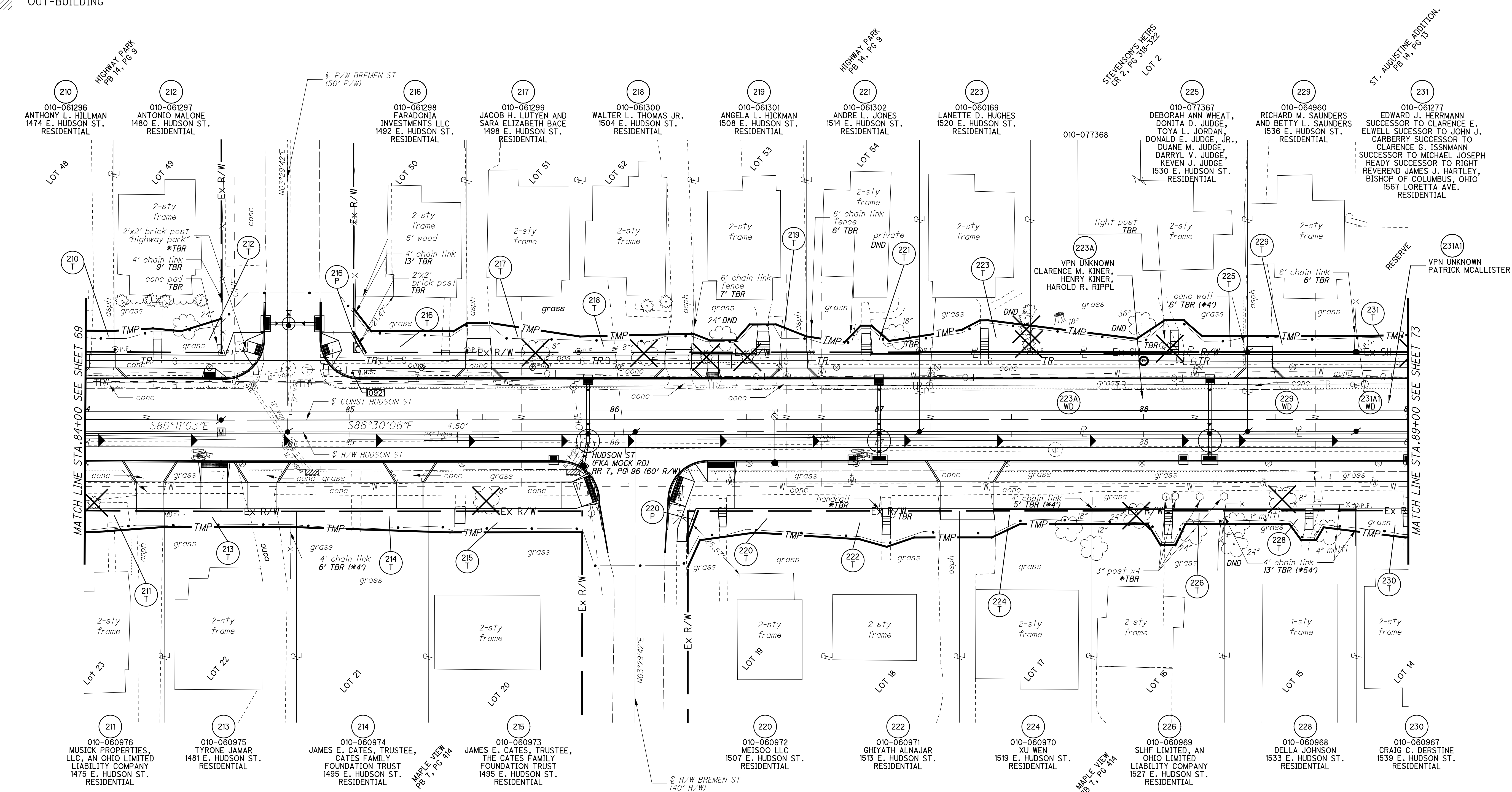
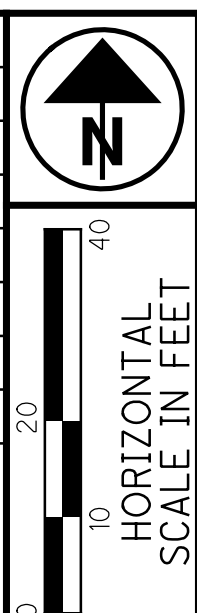
**3575-E**

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



R/W DESIGNER JBY	PID NO. 0
R/W REVIEWER ATJ	

**RIGHT OF WAY TOPO SHEET**  
**STA. 84+00 TO STA. 89+00**

**HUDSON ST**

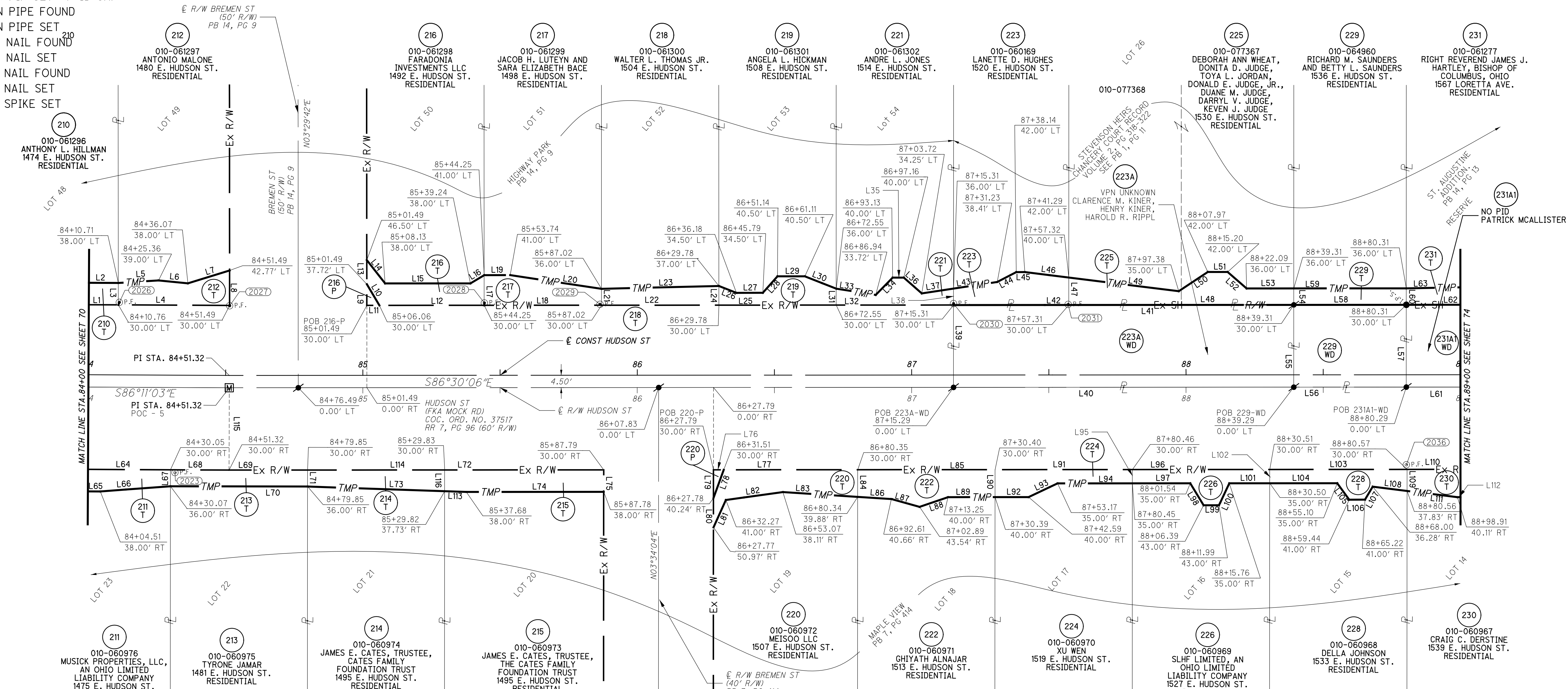
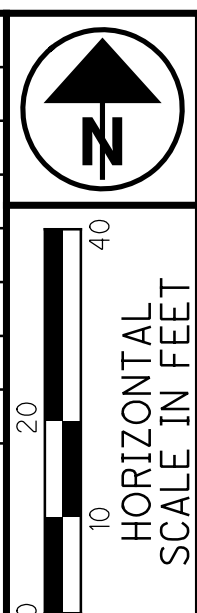
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**MONUMENT LEGEND**

- ◻ EXISTING R/W MONUMENT BOX
- ◻ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊗ RAILROAD SPIKE FOUND
- ⊗ RAILROAD SPIKE SET
- ⊙ I.P.F. IRON PIN FOUND
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- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ R.K.F. P.K. NAIL FOUND
- ⊙ R.K.S. P.K. NAIL SET
- ⊙ M.N.F. MAG NAIL FOUND
- M.N.S. MAG NAIL SET
- ⊗ M.S. MAG SPIKE SET

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
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REV. BY	DATE	DESCRIPTION
DATE COMPLETED: JUNE 05, 2020		



L1	N86° 11' 03"W	40.39'
L2	S86° 11' 03"E	32.97'
L3	N03° 29' 42"E	8.00'
L4	N86° 11' 03"W	40.57'
L5	N89° 54' 39"E	14.68'
L6	S80° 50' 52"E	10.75'
L7	N76° 22' 15"E	15.92'
L8	S03° 29' 42"W	12.77'
L9	N03° 29' 42"E	7.72'
L10	S27° 07' 03"E	8.97'
L11	N86° 30' 06"W	4.57'
L12	N86° 30' 06"W	38.20'
L13	N03° 29' 42"E	8.78'
L14	S34° 31' 11"E	10.79'
L15	S86° 30' 06"E	31.11'
L16	N62° 37' 22"E	5.85'
L17	N03° 30' 19"E	11.00'
L18	N86° 30' 06"W	42.78'

L19	S86° 30' 06"E	9.49'
L20	S77° 57' 21"E	33.65'
L21	N03° 29' 54"E	6.00'
L22	N86° 30' 06"W	42.78'
L23	S87° 50' 28"E	42.78'
L24	N03° 31' 25"E	7.00'
L25	N86° 30' 06"W	42.76'
L26	S65° 09' 08"E	6.87'
L27	S86° 30' 06"E	9.61'
L28	N45° 12' 40"E	8.04'
L29	S86° 30' 06"E	9.96'
L30	S65° 01' 55"E	12.29'
L31	S03° 31' 59"W	6.00'
L32	N86° 30' 06"W	42.76'
L33	S77° 29' 07"E	14.57'
L34	N48° 03' 26"E	8.82'
L35	S86° 30' 06"E	4.03'
L36	S45° 15' 41"E	8.73'

L37	N84° 53' 32"E	11.72'
L38	N03° 32' 32"E	6.00'
L39	N03° 32' 32"E	30.00'
L40	S86° 30' 06"E	124.00'
L41	S86° 30' 06"E	124.00'
L42	N86° 30' 06"W	42.00'
L43	N84° 53' 32"E	16.10'
L44	N66° 01' 43"E	7.78'
L45	S86° 30' 06"E	3.15'
L46	S79° 23' 14"E	16.15'
L47	N03° 32' 32"E	10.00'
L48	N86° 30' 06"W	82.00'
L49	S79° 23' 14"E	40.37'
L50	S79° 23' 14"E	12.69'
L51	S86° 30' 06"E	7.23'
L52	S45° 27' 20"E	9.14'
L53	S86° 30' 06"E	17.22'
L54	N03° 32' 32"E	6.00'

L55	N03° 32' 32"E	30.00'
L56	N86° 30' 06"W	41.00'
L57	S03° 32' 32"W	30.00'
L58	N86° 30' 06"W	41.00'
L59	S86° 30' 06"E	41.00'
L60	S03° 32' 32"W	6.00'
L61	S86° 30' 06"E	190.50'
L62	S86° 30' 06"E	190.44'
L63	S87° 30' 46"E	113.32'
L64	S86° 11' 03"E	49.97'
L65	N86° 11' 03"W	24.40'
L66	S89° 20' 27"W	25.64'
L67	S03° 34' 04"W	6.00'
L68	S86° 11' 03"E	21.36'
L69	S86° 30' 06"E	28.61'
L70	N86° 21' 57"W	49.98'
L71	S03° 34' 04"W	6.00'
L72	N86° 30' 06"W	57.97'

L73	N84° 31' 16"W	50.00'
L74	N86° 30' 06"W	50.10'
L75	S03° 34' 04"W	8.00'
L76	S86° 30' 06"E	3.72'
L77	S86° 30' 06"E	48.84'
L78	N23° 31' 07"E	10.90'
L79	N03° 34' 04"E	10.24'
L80	N03° 34' 04"E	10.73'
L81	S27° 48' 58"W	10.94'
L82	S85° 35' 35"W	20.99'
L83	N82° 47' 00"W	27.33'
L84	S03° 34' 04"W	9.88'
L85	S86° 30' 06"E	50.05'
L86	N82° 47' 00"W	12.39'
L87	N70° 51' 12"W	10.68'
L88	S74° 38' 43"W	10.95'
L89	N86° 30' 06"W	17.14'
L90	N03° 34' 04"E	10.00'

L91	S86° 30' 06"E	50.05'
L92	N86° 30' 06"W	12.20'
L93	S68° 11' 00"W	11.69'
L94	S86° 30' 06"E	27.29'
L95	S03° 34' 04"W	5.00'
L96	S86° 30' 06"E	50.05'
L97	N86° 30' 06"W	21.09'
L98	N27° 42' 10"W	9.35'
L99	N86° 30' 06"W	5.60'
L100	S28° 45' 25"W	8.85'
L101	N86° 30' 06"W	14.74'
L102	S03° 34' 04"W	5.00'
L103	N86° 30' 06"W	50.05'
L104	N86° 30' 06"W	24.59'
L105	N32° 24' 05"W	7.41'
L106	N86° 30' 06"W	5.77'
L107	S34° 00' 54"W	5.48'
L108	S79° 26' 12"E	12.65'

L109	S03° 34' 04"W	7.83'
L110	S86° 30' 06"E	50.05'
L111	N79° 26' 12"W	18.49'
L112	S88° 44' 00"E	31.72'
L113	N84° 31' 16"E	7.87'
L114	N86° 30' 06"W	49.97'
L115	S03° 39' 26"E	30.00'
L116	S03° 34' 04"E	7.73'

PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
216-P	COM - 62.1	POC - 5	S86° 30' 06"E 50.17'	85+01.49	0.00'
216-P	COM - 58.2	POC - 5	N03° 29' 54"E 30.00'	85+01.49	30.00' LT
220-P	COM - 63.1	POC - 5	S86° 30' 06"E 176.47'	86+27.79	0.00'
220-P	COM - 59.2	POC - 5	S03° 29' 54"W 30.00'	86+27.79	30.00' RT
223A-WD	COM - 64.0	POC - 5	S86° 30' 06"E 263.96'	87+15.29	0.00'
229-WD	COM - 65.0	POC - 5	S86° 30' 06"E 387.96'	88+39.29	0.00'
231A1-WD	COM - 66.0	POC - 5	S86° 30' 06"E 428.96'	88+80.29	0.00'

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS SEE SHEETS 5 THRU 8

**3575-E**

10/5/2021 10:11:22 AM  
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R/W DESIGNER JBY  
R/W REVIEWER ATJ  
PID NO. 0

RIGHT OF WAY BOUNDARY SHEET  
HUDSON ST  
STA 84+00 TO STA. 89+00

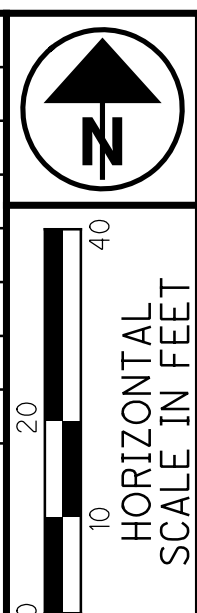
70/72  
3575-E  
333  
535

**STRUCTURE KEY**

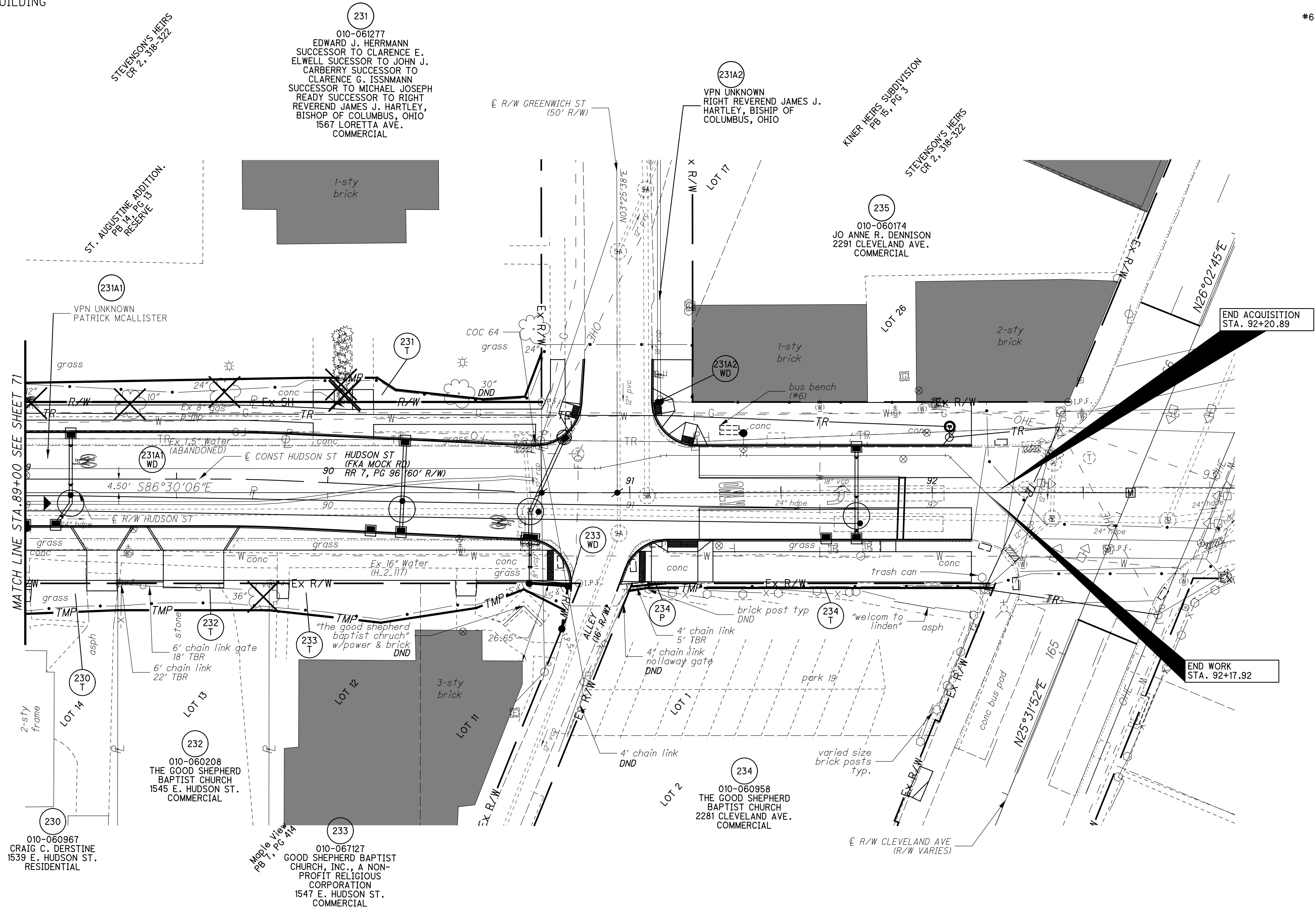
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
DATE COMPLETED: JUNE 05, 2020		



#6 BENCH NOTE: BENCHES ARE PERMITTED AND WILL TEMPORARILY BE REMOVED BY OWNER DURING CONSTRUCTION. IN THE EVENT THE BENCHES ARE NOT REMOVED, CONTACT THE FOLLOWING PARTIES: PATSY OR BRUCE (BENCH BILLBOARDS) 1-800-541-7368



MATCH LINE STA. 89+00. SEE SHEET 71

END ACQUISITION STA. 92+20.89

END WORK STA. 92+17.92

R/W DESIGNER JBY	PID NO. 0
R/W REVIEWER ATJ	

**RIGHT OF WAY TOPO SHEET**  
**STA. 89+00 TO STA. 93+00**

**HUDSON ST**

isoltasz 10/5/2021 10:11:24 AM  
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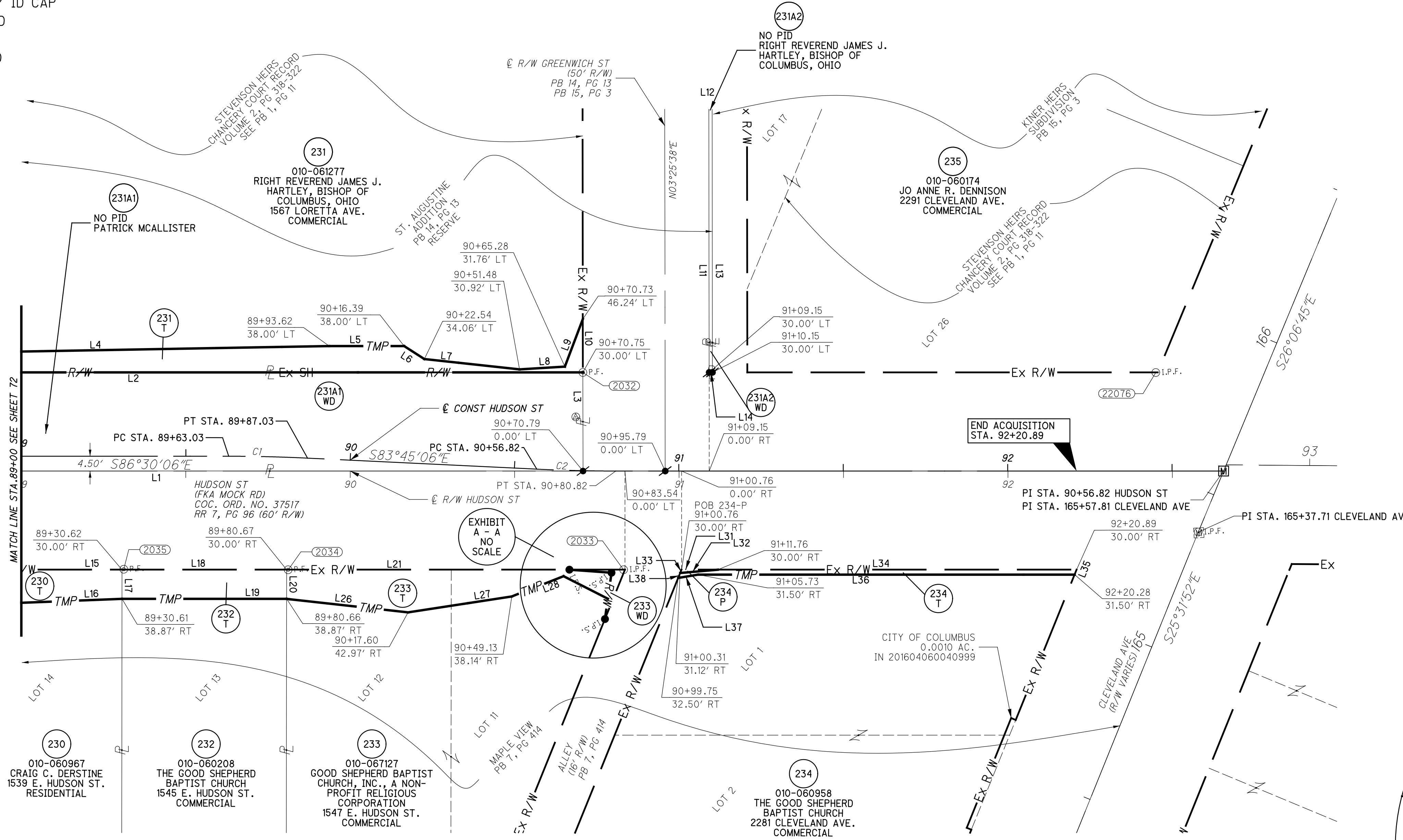
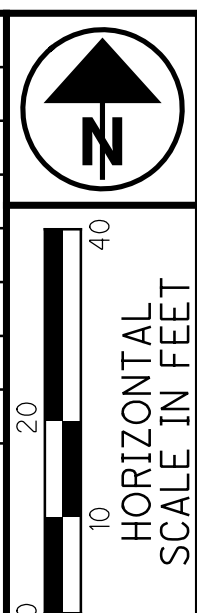
**MONUMENT LEGEND**

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET
- MAG NAIL FOUND
- MAG NAIL SET
- MAG SPIKE SET

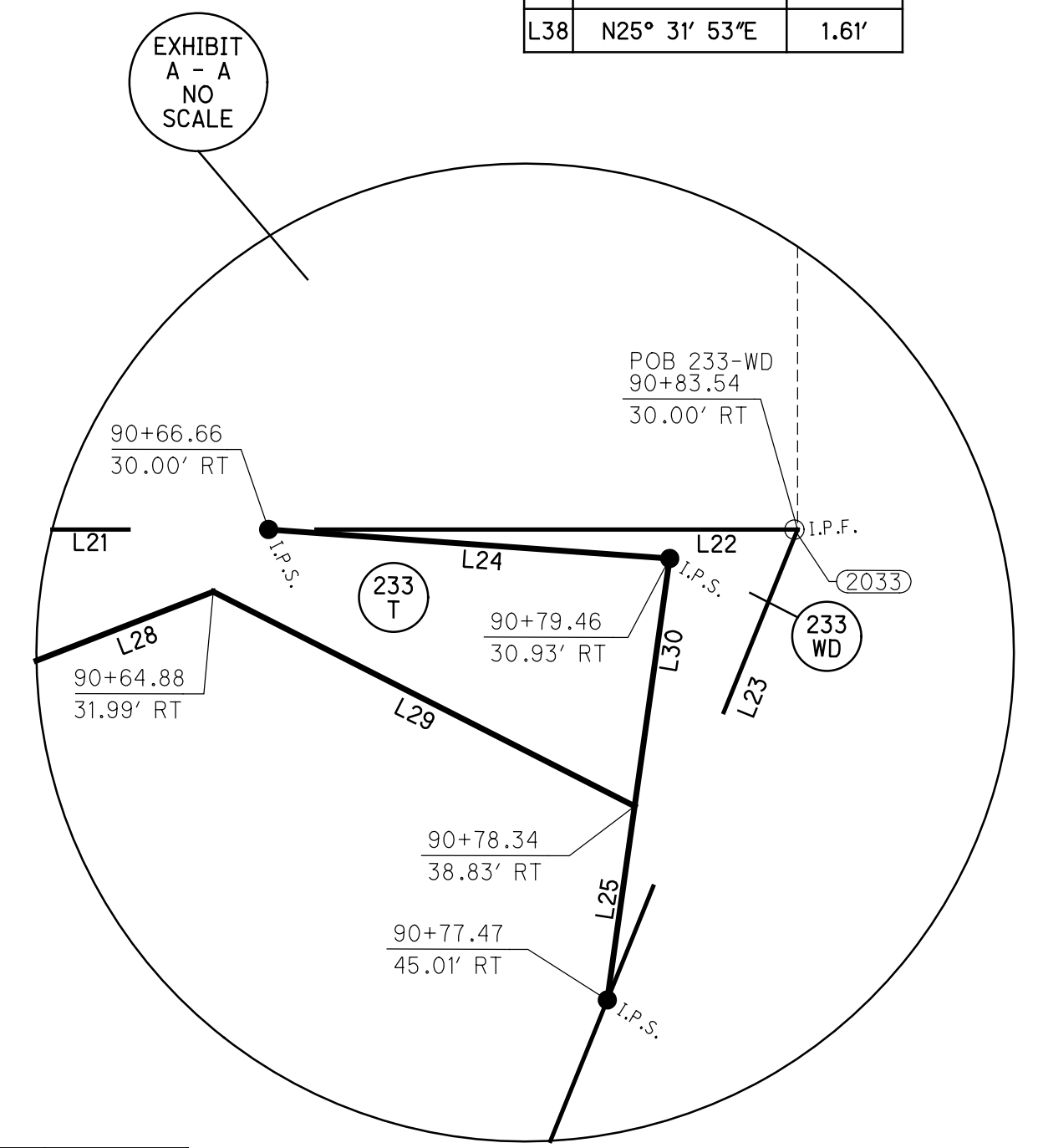
<i>C1</i>	<i>C2</i>
R = 500.00'	R = 500.00'
Δ = 2° 45' 0"	Δ = 2° 45' 0"
L = 24.00'	L = 24.00'
C = 24.00'	C = 24.00'
CB = S 85° 7' 36" E	CB = S 85° 7' 36" E

STATE OF OHIO, COUNTY OF FRANKLIN  
TOWNSHIP OF CLINTON, CITY OF COLUMBUS  
QTR. TWP. 4, TOWNSHIP 1, RANGE. 18  
UNITED STATES MILITARY LANDS

<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
DATE COMPLETED: JUNE 05, 2020		



L1	S86° 30' 06"E	190.50'
L2	N86° 30' 06"W	190.44'
L3	N03° 25' 38"E	30.00'
L4	S87° 30' 46"E	113.32'
L5	S86° 30' 06"E	22.77'
L6	S53° 53' 06"E	7.30'
L7	S80° 17' 49"E	29.11'
L8	N90° 00' 00"E	13.82'
L9	N24° 08' 05"E	15.47'
L10	S03° 25' 38"W	16.24'
L11	S03° 25' 38"W	962.30'
L12	S86° 34' 22"E	1.00'
L13	S03° 25' 38"W	962.30'
L14	S86° 30' 06"E	1.00'
L15	S86° 30' 06"E	50.05'
L16	N88° 44' 00"W	31.72'
L17	S03° 34' 04"W	8.87'
L18	S86° 30' 06"E	50.05'
L19	N86° 30' 06"W	50.05'
L20	S03° 34' 04"W	8.87'
L21	S86° 30' 06"E	85.98'
L22	S86° 30' 06"E	16.89'
L23	S25° 31' 53"W	16.20'
L24	S82° 22' 06"E	12.84'
L25	S11° 32' 38"W	14.23'
L26	N80° 10' 36"W	37.16'
L27	S84° 47' 17"W	31.90'
L28	S72° 10' 14"W	16.91'
L29	N59° 32' 53"W	15.10'
L30	N11° 32' 38"E	7.98'
L31	S86° 30' 06"E	11.00'
L32	N88° 25' 58"E	11.46'
L33	N25° 31' 53"E	1.09'
L34	S86° 30' 06"E	109.12'
L35	S25° 31' 53"W	1.62'
L36	N86° 30' 06"W	114.55'
L37	S84° 00' 36"W	6.07'
L38	N25° 31' 53"E	1.61'



PARCEL	COM CALL	POC	LEAD IN	TO STA.	OFFSET
233-WD	COM - 67.1	POC -5	S86° 30' 06"E 632.22'	90+83.54	0.00'
233-WD	COM - 67.2	POC -5	S03° 29' 54"W 30.00'	90+83.54	30.00' RT
234-P	COM - 68.1	POC -5	S86° 30' 06"E 649.44'	91+00.76	0.00'
234-P	COM - 68.2	POC -5	S03° 29' 54"W 30.00'	91+00.76	30.00' RT

POC = POINT OF COMMENCEMENT  
POB = TRUE POINT OF BEGINNING  
FOR FOUND MONUMENT DESCRIPTIONS  
SEE SHEETS 5 THRU 8

R/W DESIGNER: JBY  
R/W REVIEWER: ATJ

**RIGHT OF WAY BOUNDARY SHEET**  
**STA 89+00 TO STA. 93+00**

**HUDSON ST**