SUP

PROJECT ID: 8998-00-36

WITH: N/A

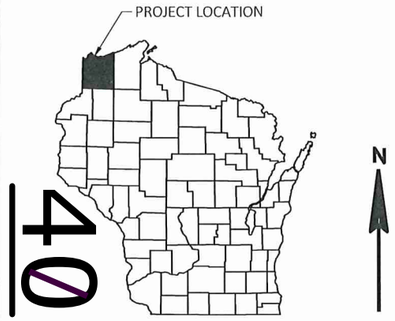
COUNTY: DOUGLAS

December 2024

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
~~Section No.~~	~~4~~	~~Right of Way Plat~~
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 242



DESIGN DESIGNATION

A.A.D.T.	2025	=	5,375
A.A.D.T.	2045	=	9,705
D.H.V.		=	806
D.D.		=	50/50
T.		=	2.0%
DESIGN SPEED		=	30 MPH
ESALS		=	280,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (955.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C SUPERIOR, HAMMOND AVE

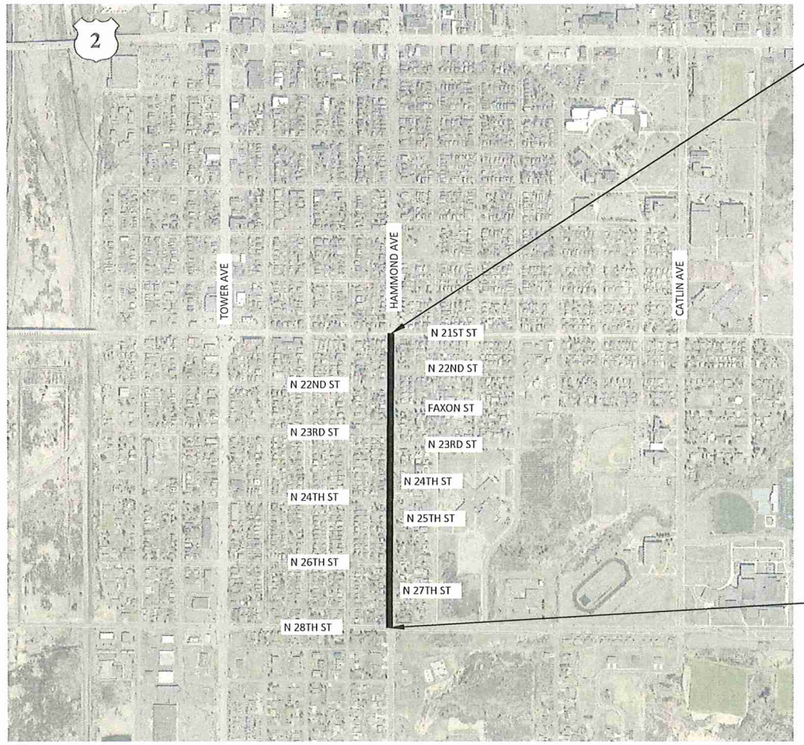
N 21ST STREET TO N 28TH STREET

LOCAL STREET

DOUGLAS COUNTY

STATE PROJECT NUMBER
8998-00-36

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8998-00-36	WISC 2025131	1



END CONSTRUCTION
STA 125+75.00
MATCH EXISTING
SAWCUT REQ'D

BEGIN CONSTRUCTION
STA 101+00.00
Y =300254.612
X = 148505.001
MATCH EXISTING
SAWCUT REQ'D

LAYOUT

SCALE 0 0.25 MI

TOTAL NET LENGTH OF CENTERLINE = 0.469 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DOUGLAS COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ACCEPTED FOR
DOUGLAS COUNTY
CITY OF SUPERIOR

Date 7/30/24 (Signature and Title of Official)

Original Plans Prepared by

SEH
Building a Better World for All of Us®
Short Elliott Hendrickson Inc.
10 North Bridge Street
Chippewa Falls, WI 54729
715.720.6200 | Main
www.sehinc.com

JARROD S. STARREN 38465 EAU CLAIRE, WI PROFESSIONAL ENGINEER

7/30/2024
(Signature) (Date)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SEH
Designer	SEH
Project Manager	PAULA GROOM
Regional Examiner	TOU YANG
Regional Supervisor	TOU YANG

APPROVED FOR THE DEPARTMENT

DATE: 7/31/2024 (Signature)

E

GENERAL NOTES:

1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
4. PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.
5. CONCRETE COLLAR REQUIRED AT JOINTS BETWEEN EXISTING AND NEW STORM SEWER PIPE.
6. INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
7. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.
8. BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.
9. CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.
10. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
11. REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.
12. THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
13. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
14. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED AND SEEDED.
15. A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE.

UTILITY CONTACT LIST:

CITY OF SUPERIOR PUBLIC WORKS - CAN NETWORK - FIBER OPTIC
1316 N 14TH STREET
SUPERIOR WISCONSIN 54880
TELEPHONE: 715.395.7334
ATTENTION: DAN SHEA
EMAIL: SHEAD@CI.SUPERIOR.WI.US

CITY OF SUPERIOR PUBLIC WORKS - CONNECT SUPERIOR - FIBER OPTIC
1316 N 14TH STREET
SUPERIOR WISCONSIN 54880
TELEPHONE: 715.395.7334
ATTENTION: TODD JANIGO
EMAIL: JANIGOT@CI.SUPERIOR.WI.US

CITY OF SUPERIOR PUBLIC WORKS - STORM/SANITARY SEWER
51 EAST FIRST STREET
SUPERIOR WISCONSIN 54880
TELEPHONE: 715.394.0392 EXT 1015
ATTENTION: ERIN ABRAMSON
EMAIL: ABRAMSONE@CI.SUPERIOR.WI.US

NORVADO - FIBER OPTIC
43705 US HIGHWAY 63
CABLE, WI 54821
TELEPHONE: 715.798.7123
ATTENTION: GUY FOLSOM
EMAIL: GFOLSOM@NORVADO.COM

SPECTRUM F/K/A CHARTER COMMUNICATIONS - COMMUNICATION LINE
640 GARFIELD AVENUE
DULUTH MN 55802
TELEPHONE: 218.529.8042
TELEPHONE SECONDARY: 218.260.6984
ATTENTION: CHAD LAWRENCE
EMAIL: CHAD.LAWRENCE@CHARTER.COM

SUPERIOR WATER, LIGHT & POWER CO.
2915 HILL AVENUE
P.O. BOX 519
SUPERIOR WISCONSIN 54880
TELEPHONE: 715.395.6315

GAS/PETROLEUM & WATER
TELEPHONE: 715.395.6236
ATTENTION: KEVIN DOUVILLE
EMAIL: KDOUVILLE@SWLP.COM

ELECTRIC
TELEPHONE: 715.394.2200
ATTENTION: KEVIN KOSKELA
EMAIL: KKOSKELA@SWLP.COM

DESIGN CONTACT:

SEH
10 NORTH BRIDGE STREET
CHIPPEWA FALLS WI 54729
TELEPHONE: 715.720.6261
ATTENTION: JARROD STARREN
EMAIL: JSTARREN@SEHINC.COM

DNR CONTACT:

STATE OF WISCONSIN
NORTHWEST DISTRICT
HWY 70 WEST
P.O. BOX 309
SPOONER WI 54801
TELEPHONE: 715.635.4229
ATTENTION: AMY CRONK
EMAIL: AMY.CRONK@WISCONSIN.GOV

DESIGN CONTACT:

CITY OF SUPERIOR PUBLIC WORKS
1316 N 14TH STREET
SUPERIOR WISCONSIN 54880
TELEPHONE: 715.395.7334
ATTENTION: TODD JANIGO
EMAIL: JANIGOT@CI.SUPERIOR.WI.US

2

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

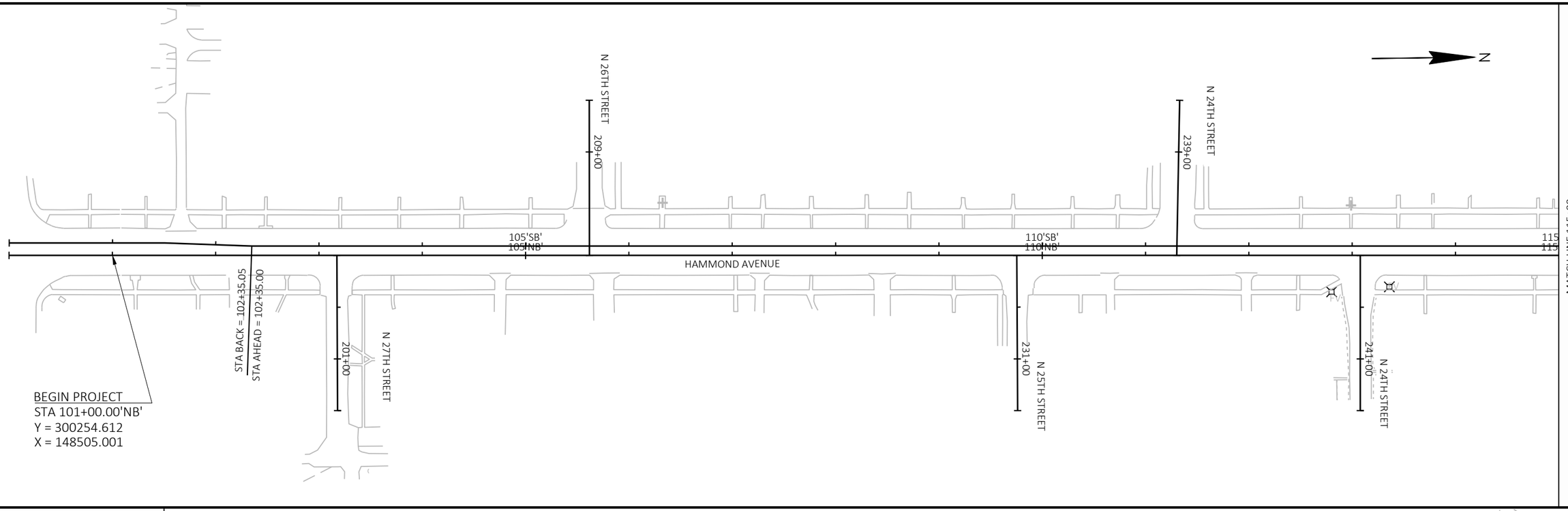
ORDER OF SHEETS - SECTION 2:

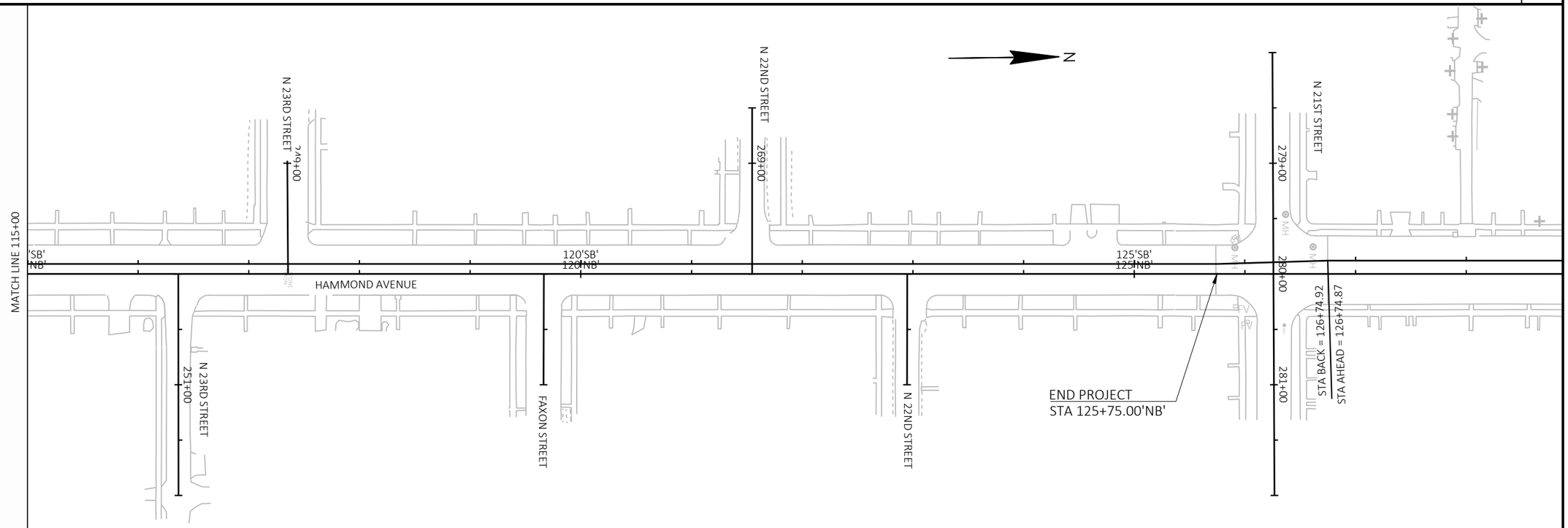
GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
LANDSCAPING PLAN
EROSION CONTROL
FIBER OPTIC CONDUIT
STORM SEWER
WATER MAIN
EXISTING GAS
PERMANENT SIGNING
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT DETAILS

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

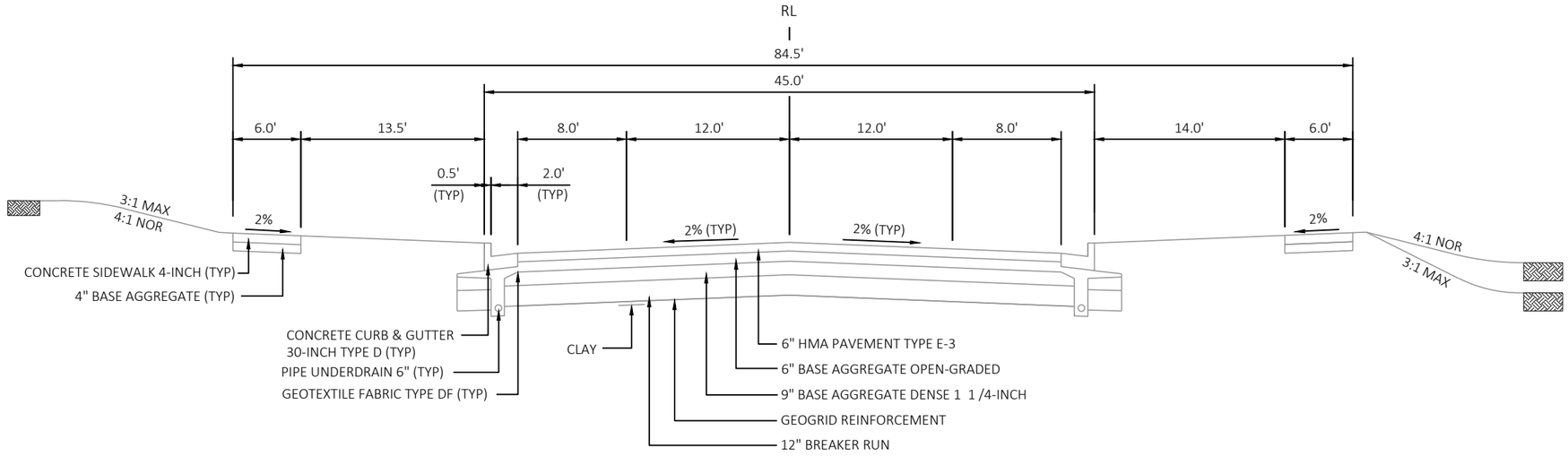
TOTAL PROJECT AREA = 6.46 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 5.73 ACRES





PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PROJECT OVERVIEW	SHEET 3	E

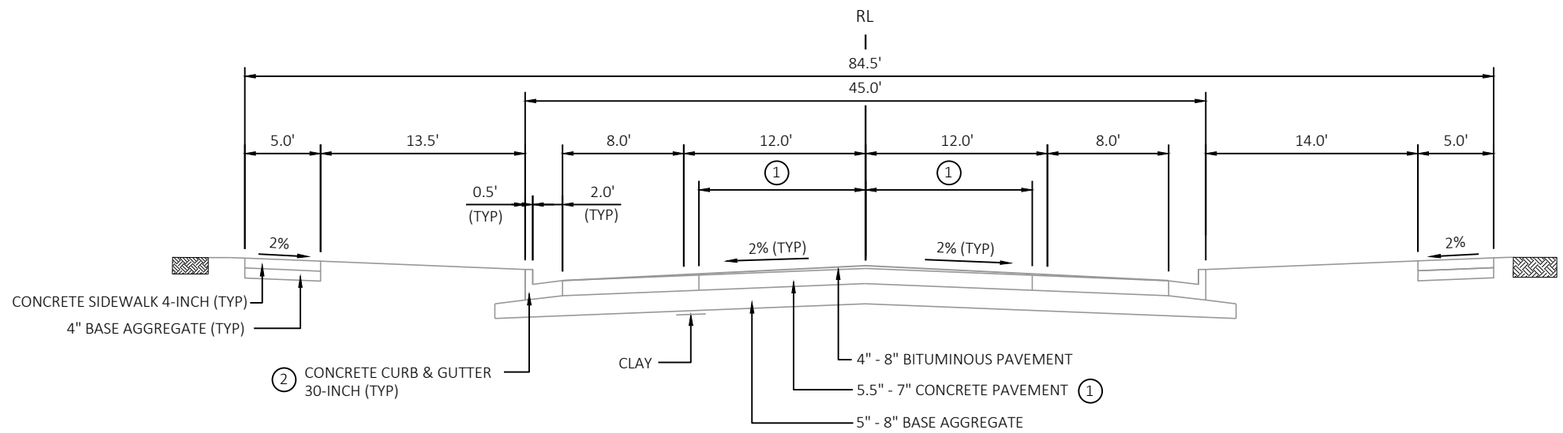
2



EXISTING TYPICAL SECTION

HAMMOND AVENUE
STA 100+50.00 TO STA 101+00.00

BORING LOCATIONS			
NO.	APPROX. STA AND OFFEST	BITUMINOUS	CONCRETE PAVEMENT
ST-1	103+81, 14' RT	8"	0"
ST-2	106+99, 14' LT	6"	5.5"
ST-3	102+24, 14' RT	2.5"	0"
ST-4	105+56, 13' RT	6"	7"
ST-5	120+90, 13' LT	7"	0"
ST-6	124+86, 14' RT	7"	0"



EXISTING TYPICAL SECTION

HAMMOND AVENUE
STA 101+00.00 TO STA 125+75.00

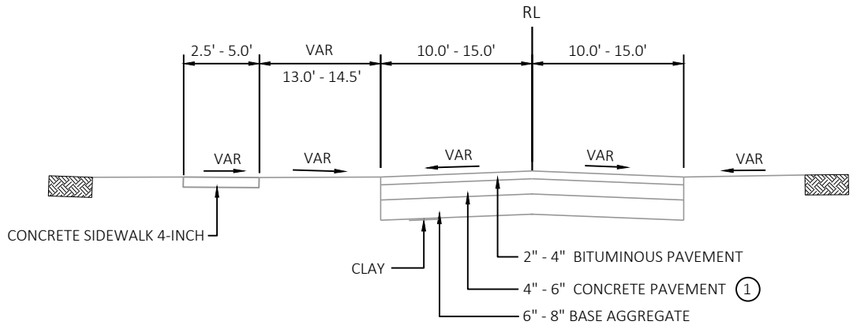
NOTES:

EXISTING CONCRETE PAVEMENT WAS ASSUMED 11.0' WIDE. FIELD VERIFY ACTUAL LOCATIONS FROM FIELD OBSERVATIONS AND SOIL BORINGS INFORMATION.

(1) FIELD VERIFY CONCRETE PAVEMENT LOCATIONS AND LIMITS.

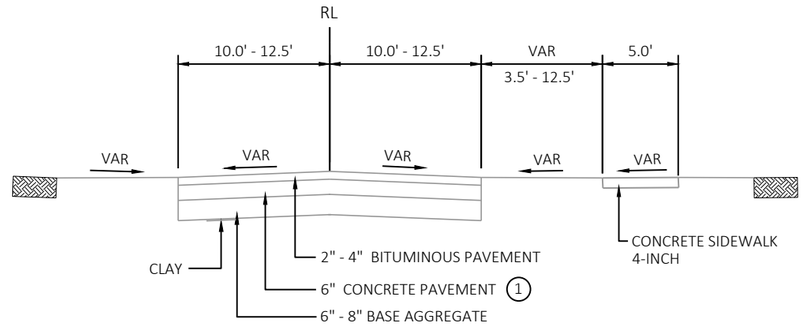
(2) EXISTING CONCRETE CURB & GUTTER SHALL BE PAID FOR UNDER ITEM "REMOVING CURB & GUTTER".

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	TYPICAL SECTION	SHEET 4	E



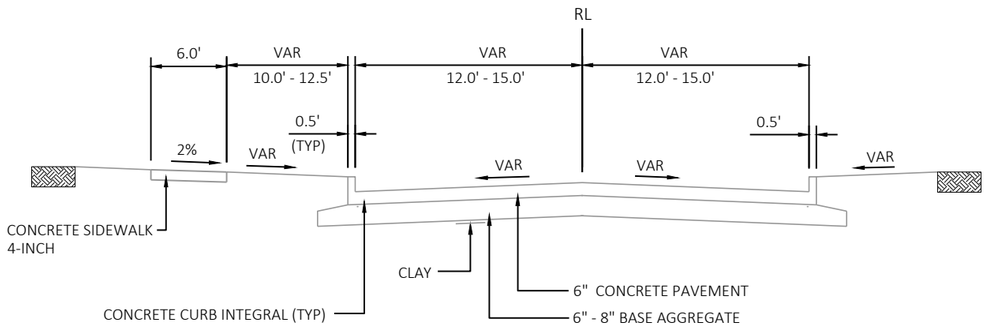
EXISTING TYPICAL SECTION

N 27TH STREET (EAST) - 3' SIDEWALK
N 24TH STREET (EAST) - NO SIDEWALK
N 22ND STREET (WEST) - 5' SIDEWALK LT & RT



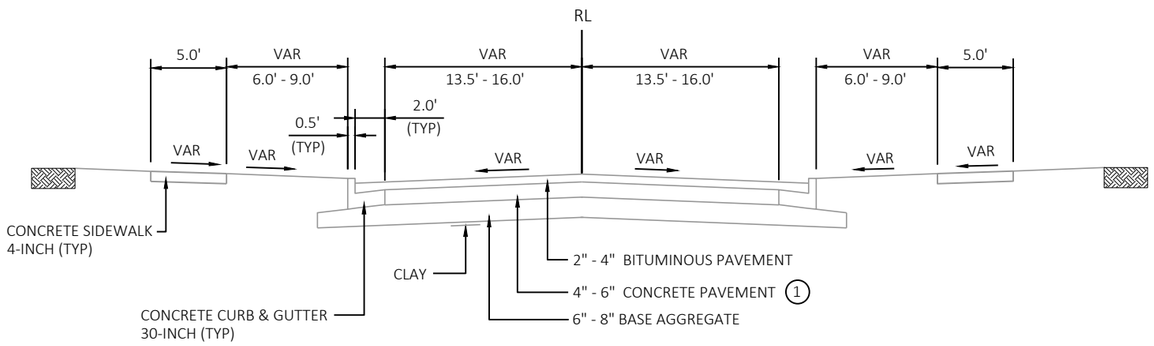
EXISTING TYPICAL SECTION

(EAST)
N 25TH STREET (EAST)
N 23RD STREET (EAST)
N 22ND STREET (EAST)



EXISTING TYPICAL SECTION

N 26TH STREET (WEST)

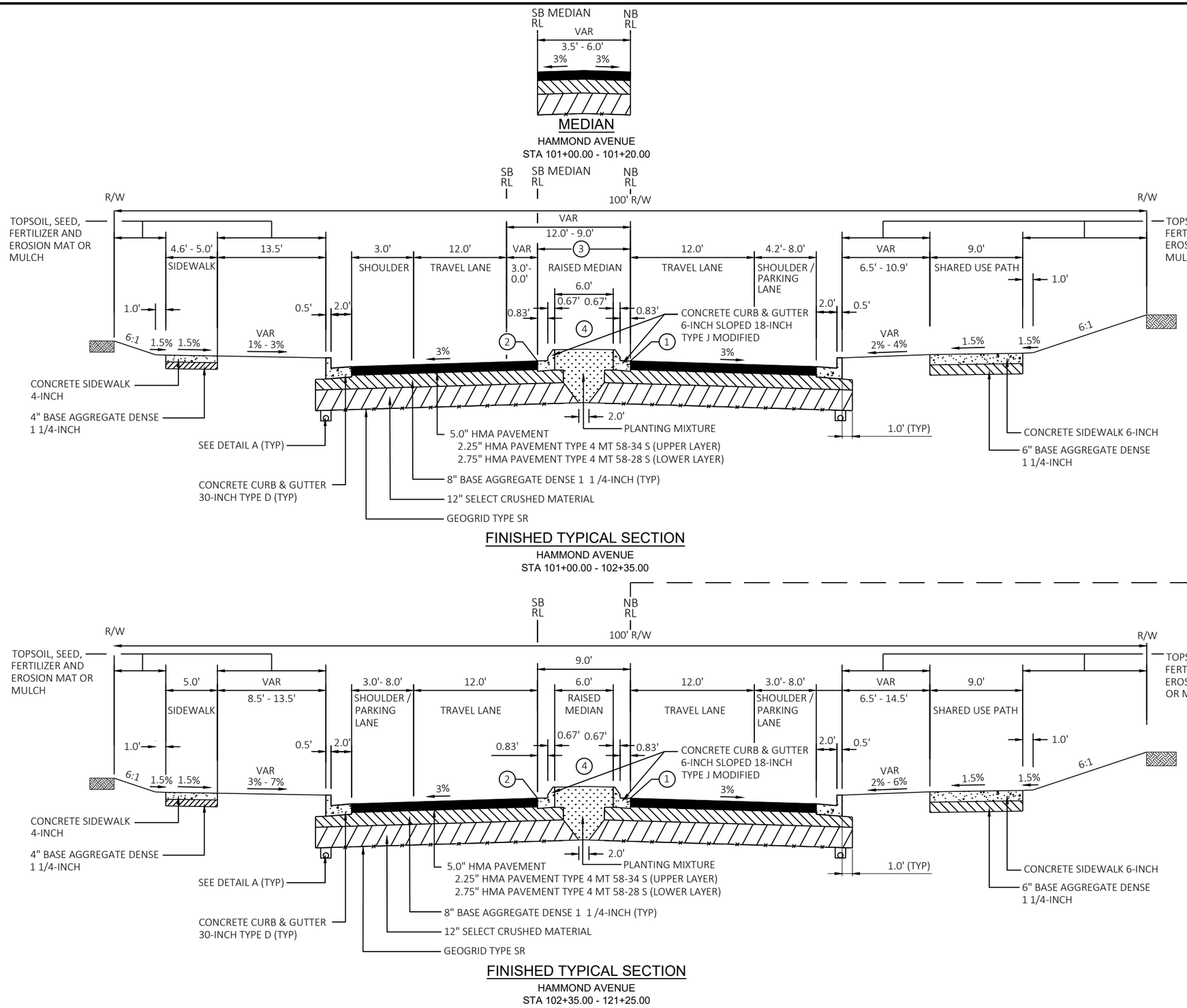


EXISTING TYPICAL SECTION

N 24TH STREET (WEST)
N 23RD STREET (WEST)
FAXON STREET (EAST) - 6' SIDEWALK RT

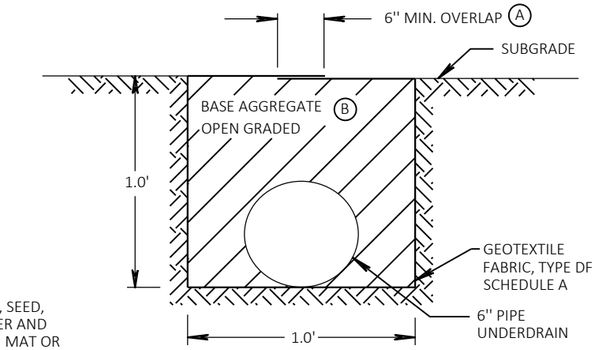
NOTES:

(1) FIELD VERIFY CONCRETE PAVEMENT LOCATIONS AND LIMITS.



FINISHED TYPICAL SECTION

HAMMOND AVENUE
STA 101+00.00 - 102+35.00



DETAIL A
PIPE UNDERDRAIN 6-INCH

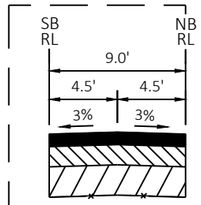
NOTES:

A FABRIC SHALL OVERLAP AT TOP OF SUBGRADE. 6-INCH MINIMUM OVERLAP

PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

PLACE UNDERDRAIN AFTER EXCAVATION OF SUBGRADE AND PRIOR TO THE PLACEMENT OF BASE LAYERS.

B TRENCH BACKFILL WILL BE PAID FOR AS BASE AGGREGATE OPEN GRADED.



MEDIAN

HAMMOND AVENUE
STA 111+07.55 - 111+66.07
STA 119+33.91 - 119+89.09

FINISHED TYPICAL SECTION

HAMMOND AVENUE
STA 102+35.00 - 121+25.00

NOTES:

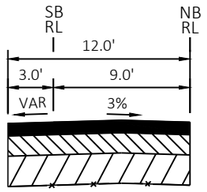
1 POINT REFERENCED TO ON NB PROFILE.

2 POINT REFERENCED TO ON SB PROFILE.

3 MEDIAN WIDTH VARIES 0' TO 9.0' SEE ALIGNMENT DIAGRAM.

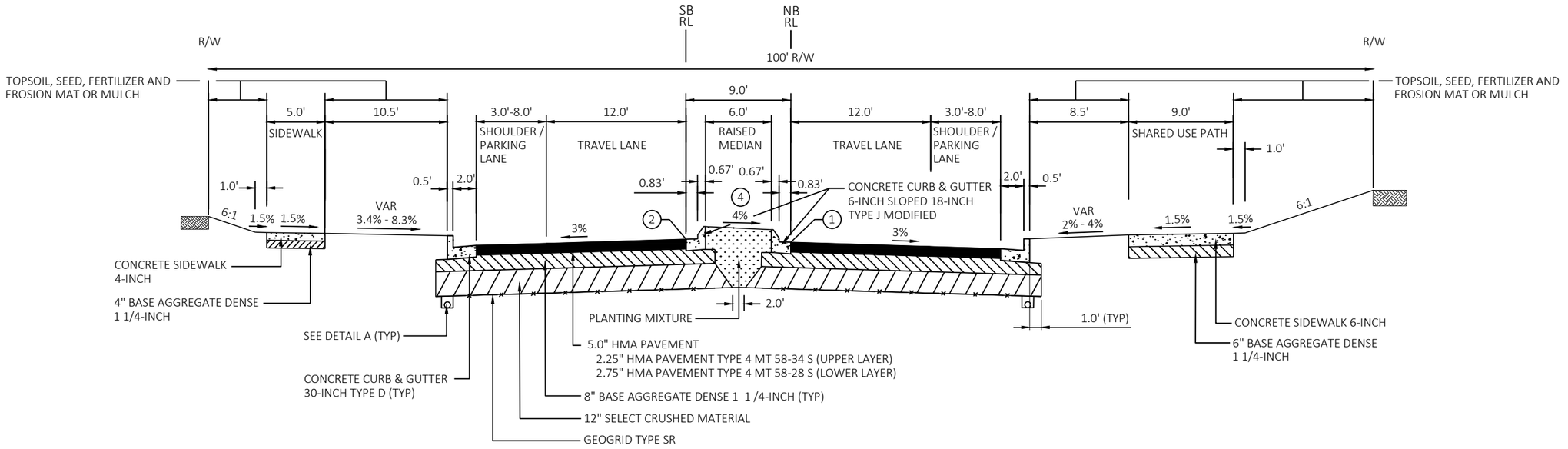
4 SEE LANDSCAPING PLANS FOR MEDIAN TREATMENTS.

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	TYPICAL SECTION	SHEET 6	E



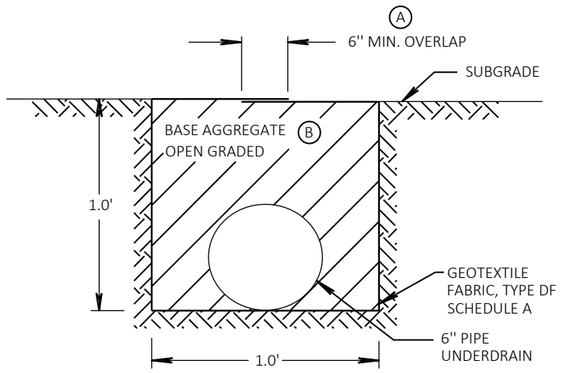
MEDIAN

HAMMOND AVENUE
STA 125+20.64 - 125+75.00



FINISHED TYPICAL SECTION

HAMMOND AVENUE
STA 121+25.00 - 125+75.00



DETAIL A
PIPE UNDERDRAIN 6-INCH

NOTES:

(A) FABRIC SHALL OVERLAP AT TOP OF SUBGRADE. 6-INCH MINIMUM OVERLAP

PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

PLACE UNDERDRAIN AFTER EXCAVATION OF SUBGRADE AND PRIOR TO THE PLACEMENT OF BASE LAYERS.

(B) TRENCH BACKFILL WILL BE PAID FOR AS BASE AGGREGATE OPEN GRADED.

NOTES:

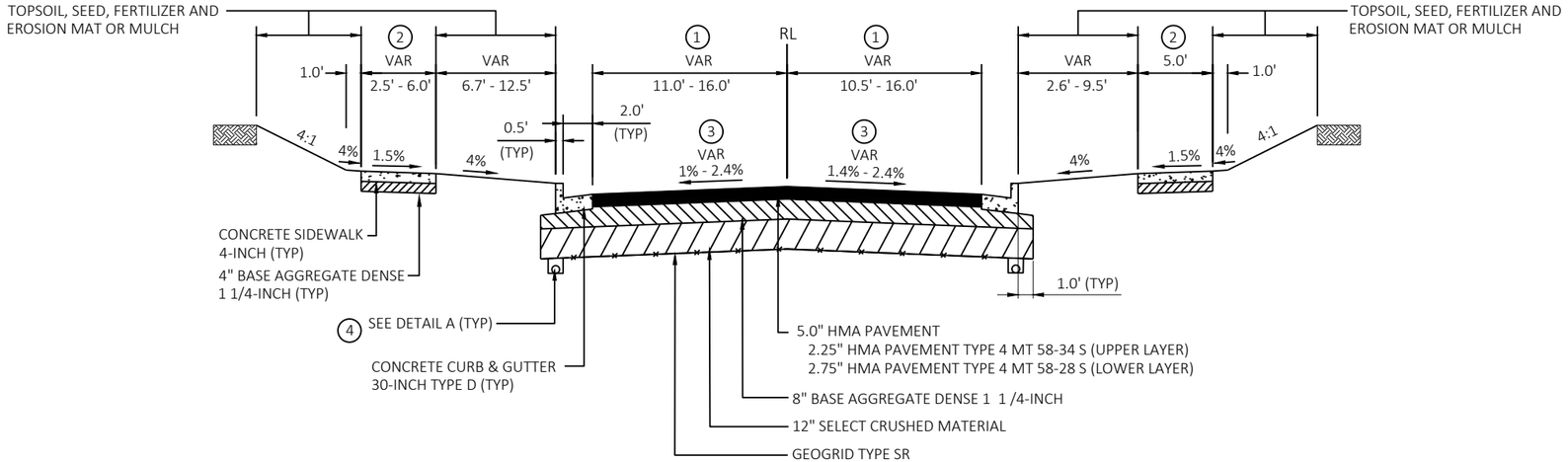
(1) POINT REFERENCED TO ON NB PROFILE.

(2) POINT REFERENCED TO ON SB PROFILE.

(3) MEDIAN WIDTH VARIES 0' TO 9.0' SEE ALIGNMENT DIAGRAM.

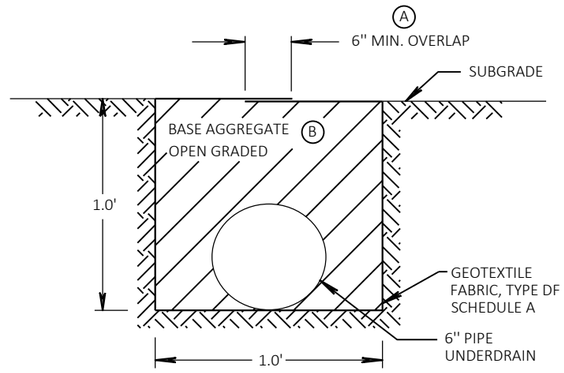
(4) SEE LANDSCAPING PLANS FOR MEDIAN TREATMENTS.

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	TYPICAL SECTION	SHEET 7	E



FINISHED TYPICAL SECTION - SIDEROADS - URBAN

N 27TH STREET (EAST) STA 200+19.00 - STA 200+53.18	N 23RD STREET (EAST) STA 250+17.47 - STA 250+53.04
N 26TH STREET (WEST) STA 209+12.97 - STA 209+71.00	N 23RD STREET (WEST) STA 248+75.00 - STA 249+76.00
N 25TH STREET (EAST) STA 230+18.00 - STA 230+54.00	FAXON STREET (EAST) STA 260+20.00 - STA 260+54.64
N 24TH STREET (WEST) STA 239+15.00 - STA 239+71.00	N 22ND STREET (WEST) STA 269+38.00 - STA 269+73.00
N 24TH STREET (EAST) STA 240+20.00 - STA 240+54.00	N 22ND STREET (EAST) STA 270+15.00 - STA 270+54.00



DETAIL A
PIPE UNDERDRAIN 6-INCH

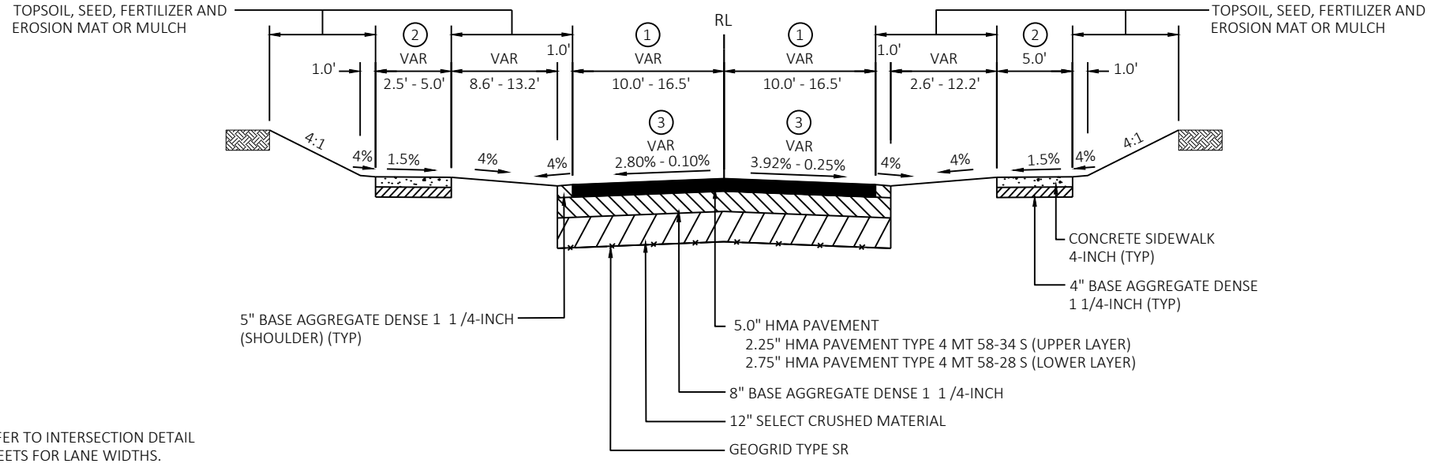
NOTES:

(A) FABRIC SHALL OVERLAP AT TOP OF SUBGRADE. 6-INCH MINIMUM OVERLAP

PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

PLACE UNDERDRAIN AFTER EXCAVATION OF SUBGRADE AND PRIOR TO THE PLACEMENT OF BASE LAYERS.

(B) TRENCH BACKFILL WILL BE PAID FOR AS BASE AGGREGATE OPEN GRADED.



NOTES:

(1) REFER TO INTERSECTION DETAIL SHEETS FOR LANE WIDTHS.

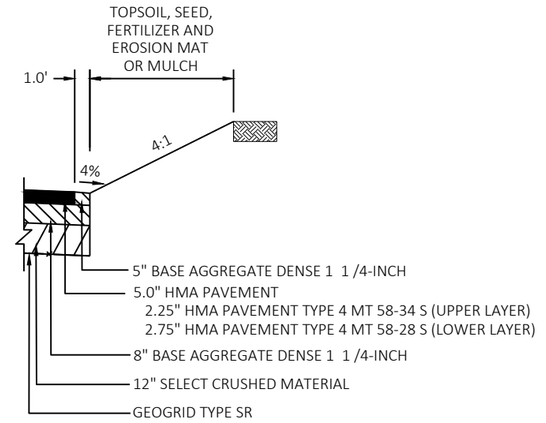
(2) REFER TO INTERSECTION DETAIL SHEETS FOR SIDEWALK LOCATIONS AND SIDEWALK WIDTHS.

(3) REFER TO CROSS SECTION SHEETS FOR PAVEMENT SLOPES.

(4) EXTEND PIPE UNDERDRAIN 6-INCH 5' BEYOND CURB AND GUTTER AND CAP.

FINISHED TYPICAL SECTION - SIDEROADS - RURAL

N 27TH STREET (EAST) STA 200+53.18 - STA 201+03.00	FAXON STREET (EAST) STA 260+54.64 - STA 260+90.00
N 25TH STREET (WEST) STA 230+54.00 - STA 230+87.00	N 22ND STREET (WEST) STA 268+80.00 - STA 269+38.00
N 24TH STREET (EAST) STA 240+54.00 - STA 241+06.00	N 22ND STREET (EAST) STA 270+54.00 - STA 270+90.00
N 23RD STREET (EAST) STA 250+53.04 - STA 250+82.00	

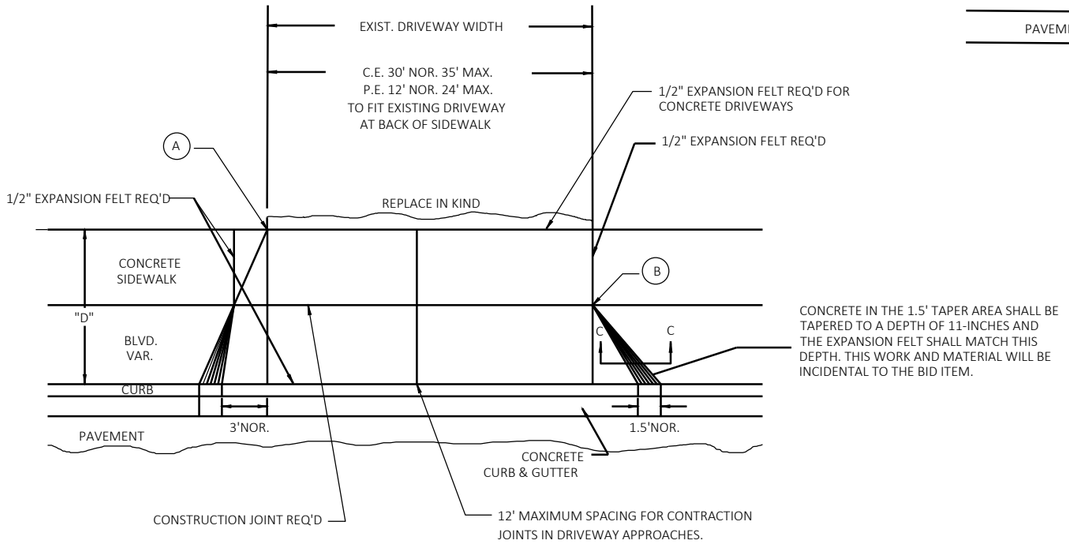


FINISHED TYPICAL SECTION - WITHOUT SIDEWALK

SIDEROADS (TYP)

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	TYPICAL SECTION	SHEET 8	E

2

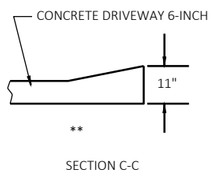


CONCRETE IN THE 1.5' TAPER AREA SHALL BE TAPERED TO A DEPTH OF 11-INCHES AND THE EXPANSION FELT SHALL MATCH THIS DEPTH. THIS WORK AND MATERIAL WILL BE INCIDENTAL TO THE BID ITEM.

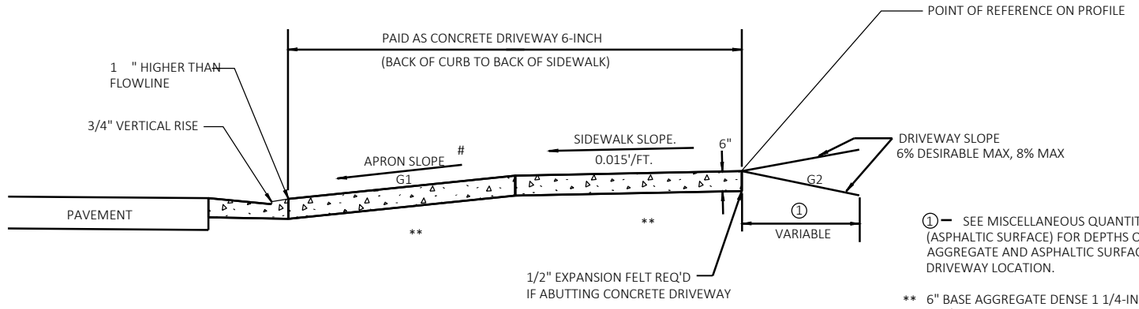
PLAN VIEW

(A) WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

(B) WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK



SECTION C-C



1 – SEE MISCELLANEOUS QUANTITY SHEET (ASPHALTIC SURFACE) FOR DEPTHS OF BASE AGGREGATE AND ASPHALTIC SURFACE AT EACH DRIVEWAY LOCATION.

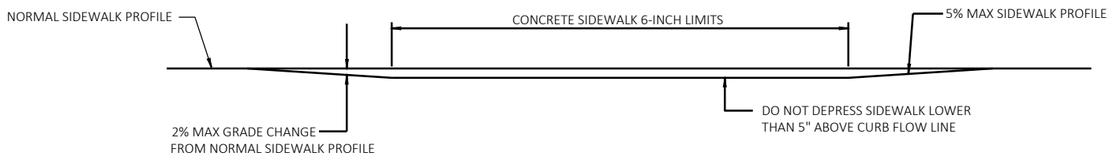
** 6" BASE AGGREGATE DENSE 1 1/4-INCH REQ'D UNDER CONCRETE DRIVEWAY

TYPICAL SIDEWALK SECTION

TERRACE WIDTH	APRON SLOPE (G1) MIN %	DESIRABLE %	MAX %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0

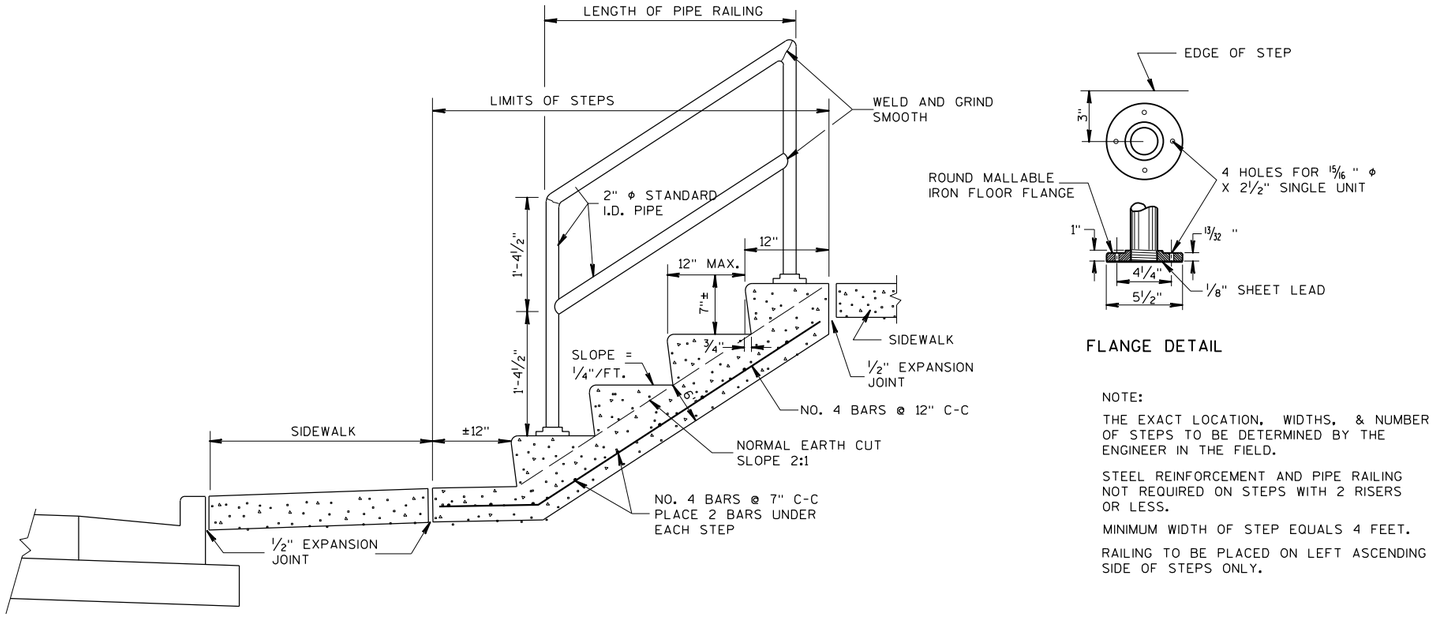
NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE



DEPRESSED SIDEWALK PROFILE DETAIL

DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER



CONCRETE STEPS DETAIL

FLANGE DETAIL

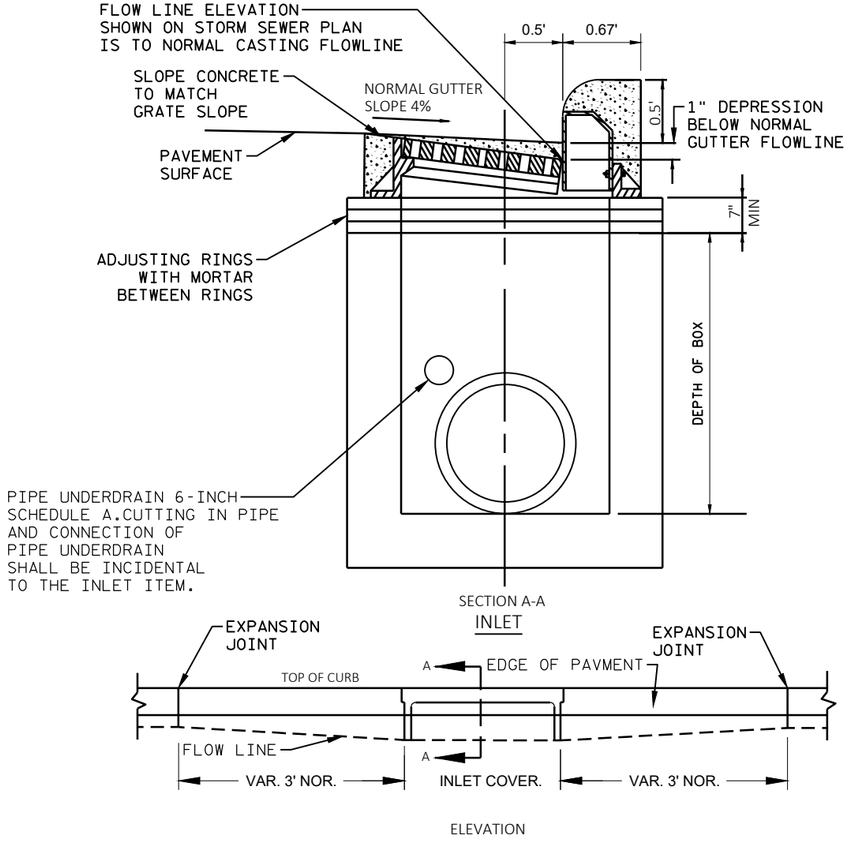
NOTE:

THE EXACT LOCATION, WIDTHS, & NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

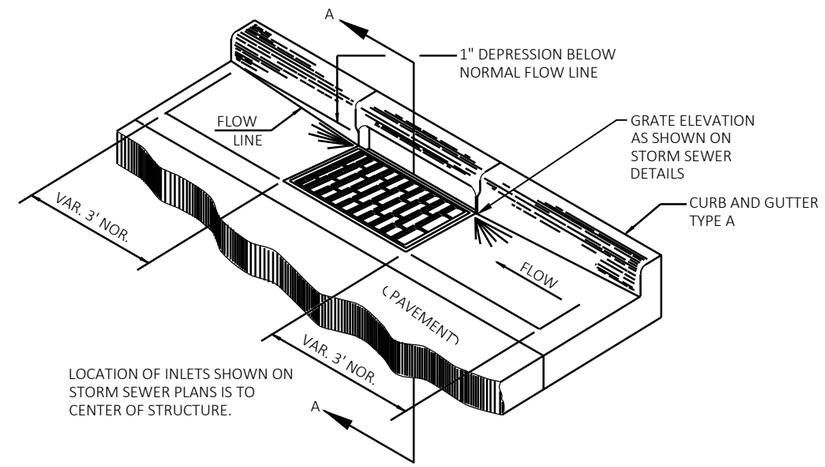
STEEL REINFORCEMENT AND PIPE RAILING NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS.

MINIMUM WIDTH OF STEP EQUALS 4 FEET.

RAILING TO BE PLACED ON LEFT ASCENDING SIDE OF STEPS ONLY.



ELEVATION

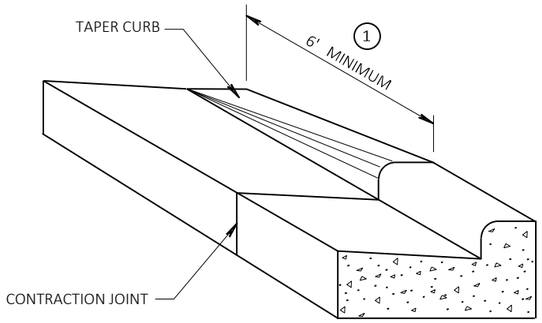


DETAIL OF CURB AND GUTTER AT INLETS

CHANNELL
City of Superior
ConnectSuperior
715-395-7200
MADE IN U.S.A.

CUSTOM LOGO PUCK - CITY FIBER OPTIC VAULTS

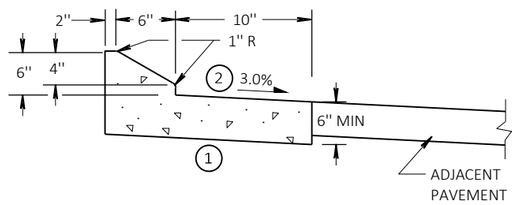
(1) PROVIDE TAPERED CURB HEAD AT APPROACH ENDS. INCIDENTAL TO CONCRETE CURB & GUTTER ITEMS TO WITH IT APPLIES.



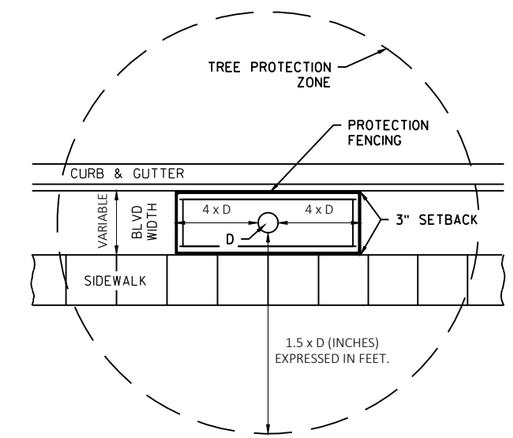
DETAIL OF CURB & GUTTER TERMINI

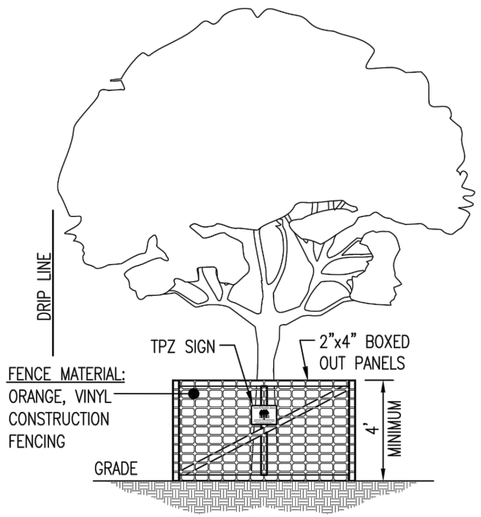
(1) THE BOTTOM OF CURB & GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(2) REVERSE SLOPE GUTTER - SAME SLOPE SLOPE AS ADJACENT PAVEMENT.



CONCRETE CURB & GUTTER 6-INCH SLOPED 18-INCH TYPE J MODIFIED



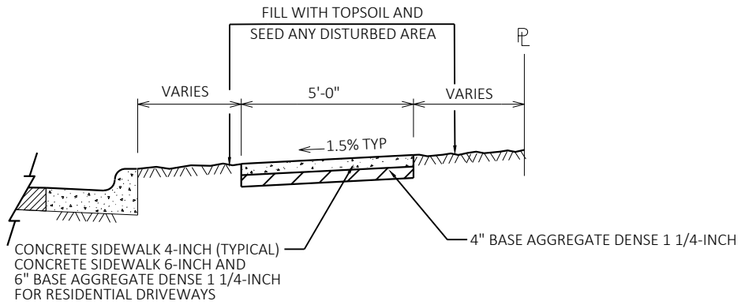


CONTRACTOR IS TO AVOID EQUIPMENT, MATERIAL STORAGE AND SOIL COMPACTION IN THE TREE PROTECTION ZONE.

PROTECTION BEHIND SIDEWALK - FENCING AND PROTECTION WORK TO BE COMPLETED WITHIN THE EXISTING R/W ONLY.

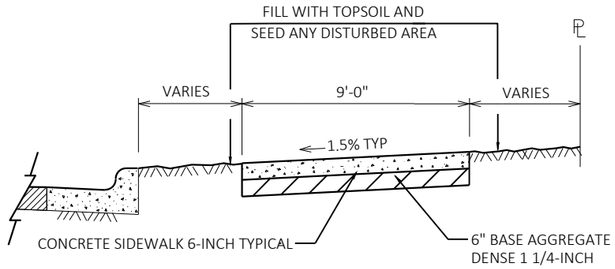
TREE PROTECTION ZONE TYPE 1

(NO SCALE)

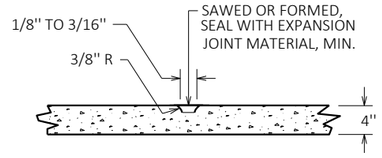


TYPICAL CONCRETE SIDEWALK SECTION

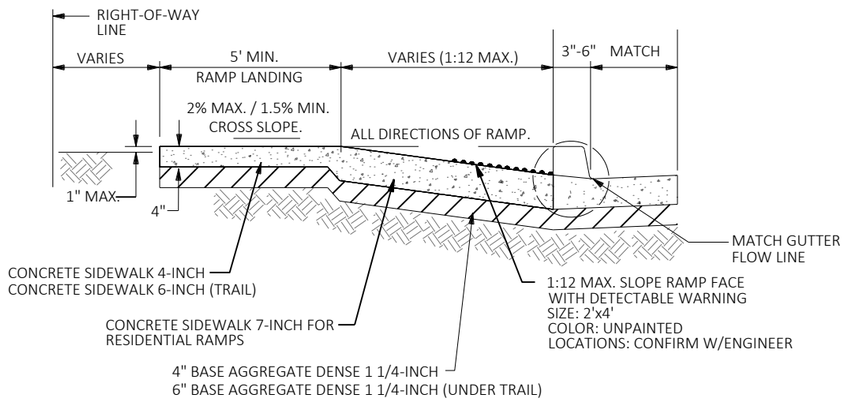
* SIDEWALK PROFILE MAY BE ADJUSTED BY THE ENGINEER TO A MAX. 1:12 SLOPE TO AVOID TREE ROOTS AND MAY BE NARROWED TO MIN. 4' WIDTH, MAINTAINING A MIN. 1.5% CROSS SLOPE.



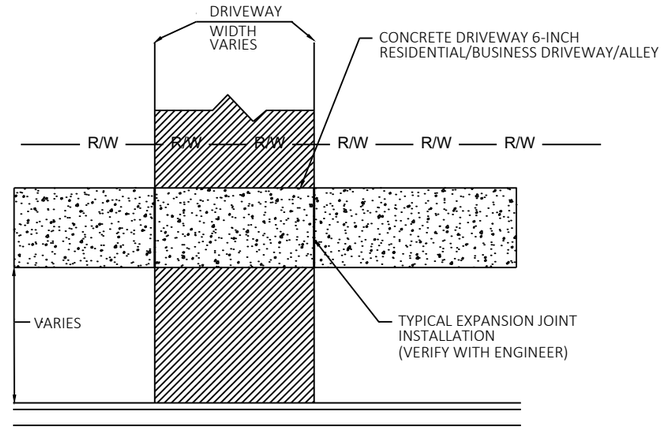
TYPICAL CONCRETE SIDEWALK/TRAIL SECTION



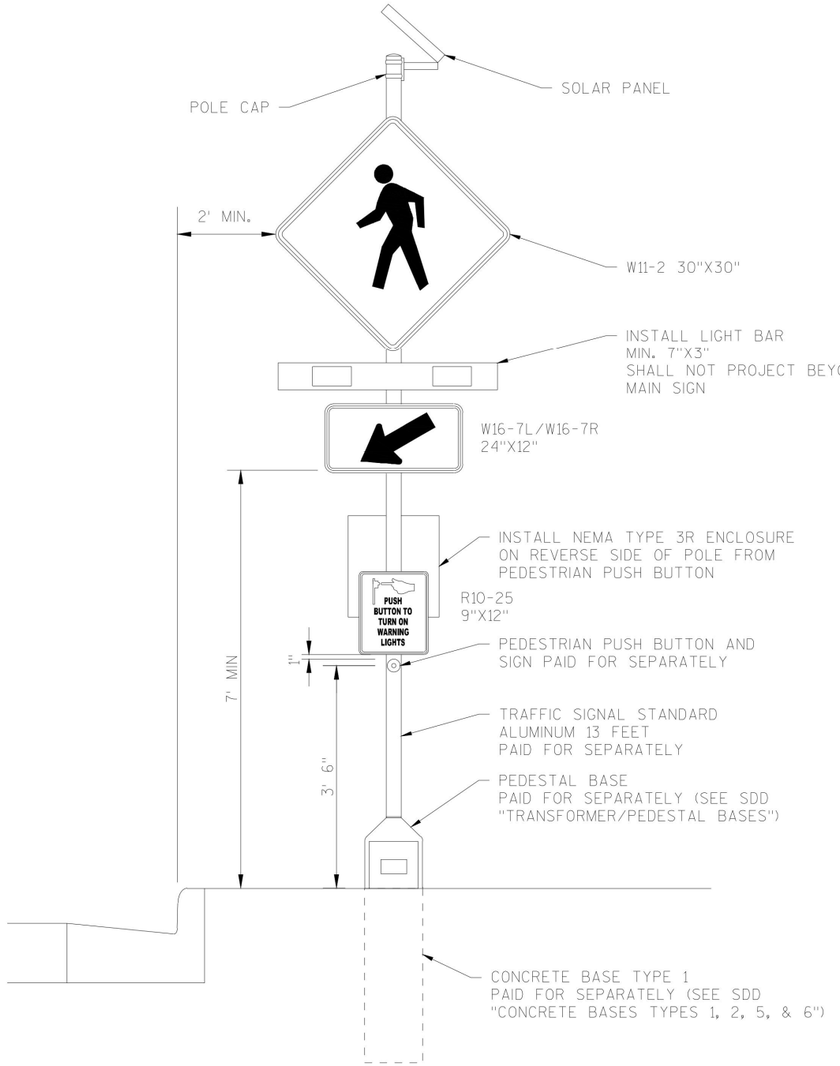
SIDEWALK CONTRACTION JOINT
(NO SCALE)



PED-RAMP CROSS-SECTION
(NO SCALE)



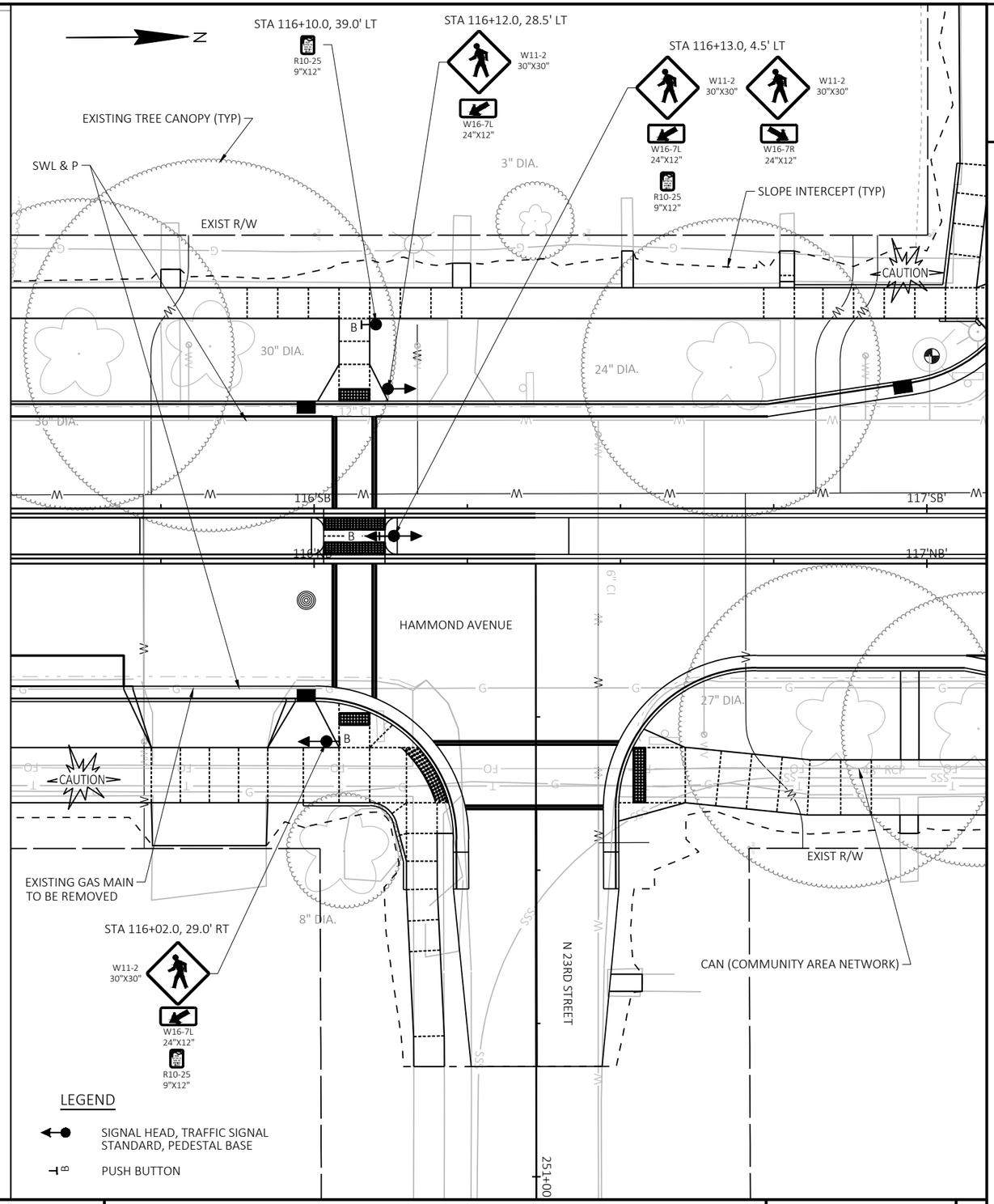
SIDEWALK THROUGH DRIVEWAY OR ALLEY
(NO SCALE)



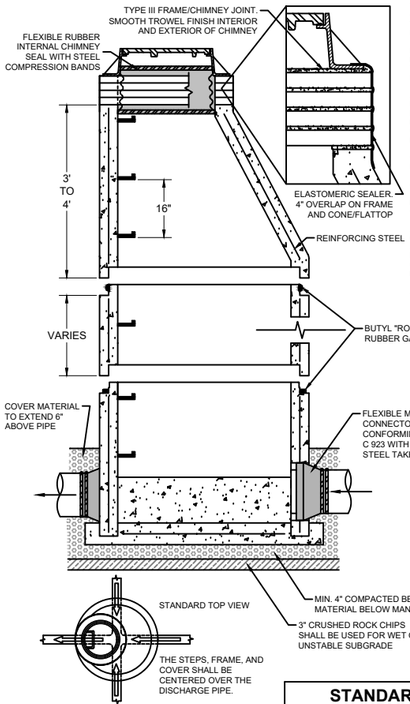
DETAIL FOR RECTANGULAR RAPID FLASHING BEACON (RRFB)

GENERAL NOTES:

(1) SEE PLAN DETAIL SHEETS FOR BEACON AND PUSH BUTTON LOCATIONS
(2) EACH RRFB POLE SHALL HAVE ONE (1) W16-7L SIGN OR ONE (1) W16-7R SIGN, DEPENDING ON LOCATION. THE ARROW SHALL BE DIRECTED TOWARDS THE CROSSWALK. REFER TO SIGNING PLANS FOR LOCATIONS.
(3) LOCATE R10-25 SIGN ABOVE PUSH BUTTON.
(4) LIGHT BAR, CONTROLS, SOLAR PANEL, WIRELESS RADIO, HARDWARE, WIRING, AND INCIDENTALS ARE CONSIDERED PART OF THE "SYSTEM" BID ITEM. ALL OTHER ITEMS SHALL BE CONSIDERED SEPARATELY.
(5) FIELD LOCATE ALL BASES TO PROVIDE 1.5' MAXIMUM REACH FROM ACCESSIBLE SLOPED AREA.



PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	RRFB DETAIL	SHEET 13	E



TYPE III FRAME/CHIMNEY JOINT REQUIRED ON ALL SANITARY MANHOLES UNLESS OTHERWISE SPECIFIED. ELASTOMERIC WATERPROOFING SEALER SHALL BE APPLIED TO EXTERIOR OF CHIMNEY, OVERLAPPING FRAME FLANGE AND PRECAST SECTION OR FLATTOP.

FLAT TOP SLAB MAY ONLY BE USED FOR 5'-0" AND 6'-0" DIA. MANHOLES AND WITH PERMISSION OF THE ENVIRONMENTAL SERVICES DIVISION OF PUBLIC WORKS OR WHERE SHOWN ON THE PLANS. FLAT TOP SLAB MUST HAVE A MINIMUM 6" ADJUSTING RING (1 FULL RING) INSTALLED.

ADJUST FRAME TO GRADE WITH CONCRETE RINGS OF VARIABLE THICKNESS, MAXIMUM RING HEIGHT = 6", MINIMUM RING HEIGHT = 2". CONCRETE RINGS SHALL BE REINFORCED WITH ONE LINE OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY, RINGS SHALL BE GROOVED TO RECEIVE STEP. THE CHIMNEY SHALL BE CONSTRUCTED SO THAT AS FEW ADJUSTING RINGS AS POSSIBLE SHALL BE USED TO BRING MANHOLE TO GRADE.

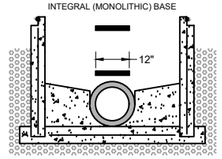
CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.

4" MIN. 3/4" DENSE GRADED BASE UNDER CONCRETE BASE.

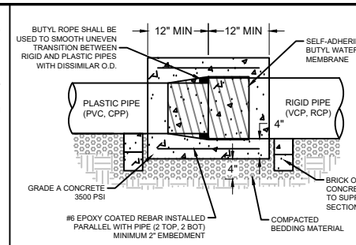
PRECAST BASE RISER SECTION WITH A SEPARATE PRECAST BASE SLAB SHALL NOT BE CONSIDERED GENERALLY ACCEPTABLE UNDER THIS SPECIFICATION.

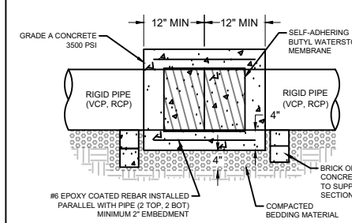
ALL JOINTS SHALL BE WATERTIGHT AND SEALED USING BUTYL RUBBER, RUBBER GASKETS CONFORMING TO ASTM-C443, OR OTHER MATERIAL APPROVED BY ENGINEER. ALL SEALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURE RECOMMENDATION. VARIATIONS IN DIAMETER, DEFECTIVE OR DAMAGED ENDS, OR OTHER CONDITIONS WHICH, IN THE OPINION OF THE PROJECT ENGINEER, PREVENT MAKING A SATISFACTORY JOINT SHALL BE CONSIDERED CAUSE FOR REJECTION.

AREA OF CIRCUMFERENTIAL STEEL = 0.12 SQ INCH PER LINEAL FOOT.

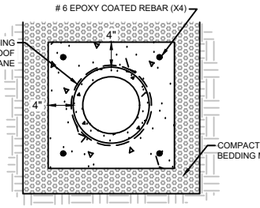


STANDARD PRECAST CONCRETE MANHOLE

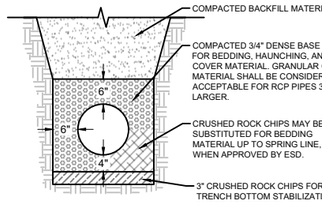




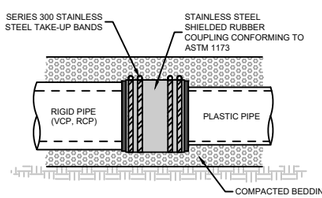
CONCRETE COLLAR DETAIL



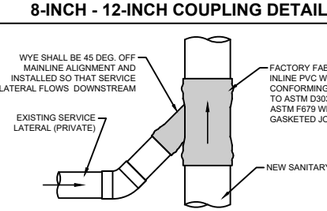
CONCRETE COLLAR SECTION DETAIL



PIPE TRENCH DETAIL

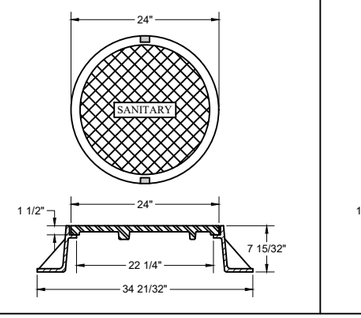


8-INCH - 12-INCH COUPLING DETAIL

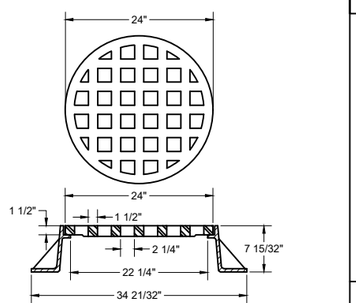


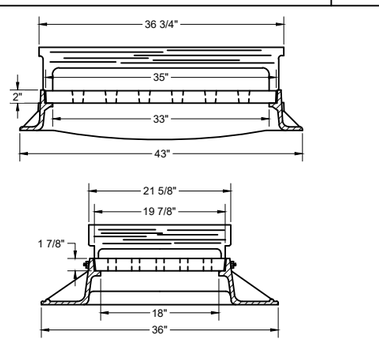
FACTORY FABRICATED PVC WYE - LATERAL

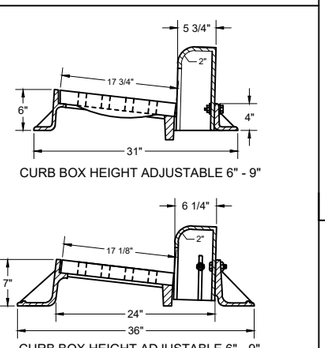
SOLID CIRCULAR COVER



VENTED CIRCULAR COVER







CURB BOX HEIGHT ADJUSTABLE 6" - 9"

CURB BOX HEIGHT ADJUSTABLE 6" - 9"

ALL MANHOLE CASTINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-48, CLASS NO. 30-B AND SHALL BE FREE FROM CRACKS, HOLES, SWELLS, AND COLD SHUTS.

NON-VENTED COVERS SHALL BE "SELF-SEALING", "T-SEAL" OR "GASKET SEALED" COVERS. COVERS SHALL HAVE "SANITARY" OR "STORM" LABELS AS APPLICABLE, OR OTHER LABELS APPROVED AS EQUAL BY THE ENVIRONMENTAL SERVICES DIVISION.

STANDARD STORM AND SANITARY FRAME DETAILS

GENERAL
THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING. IN CASE OF CONFLICT, THE FIRST LISTED STANDARD SHALL TAKE PRECEDENCE.
1. COMPLY WITH ALL APPLICABLE SECTIONS OF "STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, SIXTH EDITION WITH ADDENDUM NO.1 AND NO.2". REQUESTS FOR COPIES OF THE "STANDARD SPECIFICATIONS" SHOULD BE FORWARDED TO: PUBLIC WORKS INDUSTRY IMPROVEMENT PROGRAM, 2835 NORTH MAYFAIR ROAD, MILWAUKEE, WISCONSIN 53222 OR REQUESTED BY TELEPHONE AT (414) 778-1050.
2. COMPLY WITH ALL APPLICABLE SECTIONS OF "STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION".
3. COMPLY WITH ALL APPLICABLE SECTIONS OF WISCONSIN ADMINISTRATIVE CODE.
4. COMPLY WITH ALL APPLICABLE SECTIONS OF CITY OF SUPERIOR ADMINISTRATIVE CODE.

SEWER DIAMETER
SEWERS SHALL BE SIZED SUFFICIENT FOR FUTURE EXTENSION IN ACCORDANCE WITH CITY OF SUPERIOR SEWER SERVICE AREA PLANNING AND SHALL NOT BE LESS THAN 8 INCHES IN DIAMETER.

MANHOLE DIAMETER
THE MINIMUM DIAMETER OF MANHOLES SHALL BE 48 INCHES. LARGER DIAMETER MANHOLES SHALL BE USED AS INDICATED ON THE PLAN AND PROFILE DRAWINGS.

DEPTH
SEWERS SHALL BE LAID AT A DEPTH SUFFICIENT FOR FUTURE EXTENSION IN ACCORDANCE WITH CITY OF SUPERIOR SEWER SERVICE AREA PLANNING. SEWERS SHALL BE LAID AT A DEPTH TO PREVENT FREEZING AND TO PROVIDE GRAVITY BASEMENT DRAINAGE FOR SANITARY WASTE.

SLOPE
SEWERS SHALL BE LAID WITH UNIFORM SLOPE BETWEEN MANHOLES. ALL SEWERS SHALL BE DESIGNED AND CONSTRUCTED TO GIVE AVERAGE VELOCITIES OF NOT LESS THAN 2 FEET PER SECOND. MINIMUM DESIGN SLOPE SHALL BE AS SHOWN BELOW. SEWERS ON SLOPES OF 20% OR GREATER SHALL BE APPROVED ON A CASE BY CASE BASIS BY THE ENVIRONMENTAL SERVICES DIVISION OF PUBLIC WORKS (ESD) AND SHALL BE ANCHORED SECURELY WITH CONCRETE ANCHORS.

SEWER SIZE	MINIMUM SLOPE %
8"	0.45
10"	0.32
12"	0.25
15"	0.17
18"	0.14
21"	0.11
24"	0.09

LINE AND GRADE
LINE AND GRADE SHALL BE CONTROLLED AND MAINTAINED BY USE OF A LASER BEAM. GRADE BOARDS AND BANJO STRINGS ARE NOT ACCEPTABLE UNDER THIS SPECIFICATION.

SANITARY PIPE AND JOINT MATERIALS
MATERIALS USED IN OPEN TRENCH CONSTRUCTION OF NONPRESSURE SANITARY SEWERS SHALL BE RESTRICTED TO THE FOLLOWING: REINFORCED CONCRETE PIPE (RCP), DUCTILE IRON PIPE (DI), AND POLYVINYL CHLORIDE PIPE (PVC). ALL MATERIAL USED FOR SANITARY SEWER CONSTRUCTION SHALL BE FREE FROM DEFECTS THAT IMPAIR SERVICE. EACH LENGTH OF PIPE AND FITTING USED IN A SANITARY SEWER SHALL BE STAMPED OR INDELIBLY MARKED WITH THE MANUFACTURER'S NAME OR MARK. THE SUBSTITUTION OF ANY OTHER TYPE OF PIPE, OR MONOLITHIC SECTION, MAY ONLY BE USED WITH THE APPROVAL OF THE ESD.

STORM PIPE AND JOINT MATERIALS
MATERIALS USED IN OPEN TRENCH CONSTRUCTION OF STORM SEWERS SHALL BE RESTRICTED TO THE FOLLOWING: RCP, POLYETHYLENE PIPE WITH A SMOOTH LINER AND CORRUGATED EXTERIOR (PE). ALL MATERIAL USED FOR STORM SEWER CONSTRUCTION SHALL BE FREE FROM DEFECTS THAT IMPAIR SERVICE. EACH LENGTH OF PIPE AND FITTING USED IN A STORM SEWER SHALL BE STAMPED OR INDELIBLY MARKED WITH THE MANUFACTURER'S NAME OR MARK. THE SUBSTITUTION OF ANY OTHER TYPE OF PIPE, OR MONOLITHIC SECTION, MAY ONLY BE USED WITH THE APPROVAL OF THE ESD.

FITTINGS FOR ALL BUILDING SEWER (LATERAL) CONNECTIONS
FITTINGS FOR ALL BUILDING SEWERS SHALL BE FACTORY-FABRICATED WYES, UNLESS OTHERWISE SPECIFIED ON THE PLANS. THESE FITTINGS SHALL BE PLACED AT AN ANGLE OF 45 DEGREES ABOVE THE HORIZONTAL UNLESS OTHERWISE SPECIFIED. ON SEWERS 12 INCHES OR LARGER IN DIAMETER, TEES MAY BE SUBSTITUTED FOR WYES. THE WYE OR TEE SHALL HAVE A DIAMETER OF 6 INCHES UNLESS OTHERWISE SPECIFIED. FITTINGS ON THE MAIN SEWER FOR THE CONSTRUCTION OF RISERS SHALL BE IN-LINE. FACTORY FABRICATED TEES PLACED WITH THE BRANCH VERTICAL. THE CONTRACTOR SHALL NOT CONNECT ANY BUILDING SEWERS OR DRAINS TO NEW SEWERS OR MANHOLES PRIOR TO THEIR ACCEPTANCE BY THE ESD, EXCEPT IN RELAY WORK.

PIPE & FITTING MATERIALS
THE FOLLOWING ARE MINIMUM STANDARDS FOR NONPRESSURE PIPE:
3. POLYVINYL CHLORIDE (PVC) BELL AND SPIGOT SEWER PIPE SHALL MEET THE REQUIREMENTS OF ASTM D3034 (1981). PVC SHALL BE TYPE PSM SDR-35 UNLESS OTHERWISE SPECIFIED. JOINTS SHALL BE RUBBER GASKET BELL AND SPIGOT JOINTS UNLESS OTHERWISE SPECIFIED.
4. REINFORCED CONCRETE PIPE (RCP) BELL AND SPIGOT SEWER PIPE SHALL MEET THE REQUIREMENTS OF C76 (1982). RCP SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED. JOINTS SHALL BE RUBBER GASKET BELL AND SPIGOT JOINTS CONFORMING TO ASTM C443 (1979) UNLESS OTHERWISE SPECIFIED.
5. STEEL PIPE SHALL BE WELDED FROM STEEL PLATE OR SPIRAL WELDED FROM STEEL COIL. THE MINIMUM YIELD STRENGTH SHALL BE 36,000 PSI. FOR CASING PIPE THE MINIMUM WALL THICKNESS SHALL BE 0.625 INCHES. THE MINIMUM INSIDE DIAMETER OF THE STEEL CASING SHALL BE NOT LESS THAN 8 INCHES GREATER THAN THE MAXIMUM OUTSIDE DIAMETER OF THE CARRIER PIPE. THE STEEL CASING PIPE SHALL BE EPOXY COATED ON INSIDE AND OUTSIDE SURFACES.
6. DUCTILE IRON (DI) BELL AND SPIGOT SEWER PIPE, FITTINGS, AND JOINTS SHALL MEET THE REQUIREMENTS OF AWWA C100 (1977).
7. CORRUGATED POLYETHYLENE PIPE (PE) WITH A SMOOTH LINER SHALL CONFORM TO ASTM F894 OR AASHTO M294, TYPE S. PE PIPE CONFORMING TO ASTM F894 SHALL BE NOT LESS THAN CLASS 100 (RING STIFFNESS CONSTANT = 100) AND CARRIER PIPE SHALL BE NOT LESS THAN CLASS 160. JOINTS SHALL BE WATERTIGHT, BELL AND SPIGOT TYPE WITH RUBBER GASKETS CONFORMING TO ASTM F477. SOIL-TIGHT JOINTS WHICH ARE NOT WATERTIGHT ARE NOT ADEQUATE UNDER THESE SPECIFICATIONS. PIPE FITTINGS SHALL CONFORM TO AASHTO M294 OR ASTM F894. FITTINGS SHALL BE SUITABLE FOR SPECIFIED PIPE JOINTS. PE PIPE SHALL CONFORM TO ASTM F894 (E.G. SPIROLITE AS MANUFACTURED BY CHEVRON) OR AASHTO M294, TYPE S (E.G. HANCOR BLUE SEAL AS MANUFACTURED BY HANCOR CORPORATION).
8. CORRUGATED STEEL CULVERT PIPE (CSCP) SHALL BE INDUSTRY STANDARD GALVANIZED CORRUGATED STEEL CULVERT PIPE. CORRUGATIONS SHALL BE 2 2/3 INCHES BY 1/2-INCH. STEEL THICKNESS SHALL BE 0.052-INCH FOR 8-INCH DIAMETER PIPE AND 0.064-INCH FOR DIAMETERS FROM 10 TO 48 INCHES. JOINTS SHALL BE INDUSTRY STANDARD CONNECTING BANDS SUBJECT TO THE APPROVAL OF THE ESD.

JOINT ASSEMBLY OF POLYETHYLENE AND POLYVINYL CHLORIDE PIPING
LUBRICATED SPIGOT END SHALL BE INSERTED INTO RECEIVING PIPE BELL UNTIL MARKED LINE IS EVEN WITH EDGE OF BELL. ASSEMBLY RESULTING IN OVER-INSERTION, ROLLED GASKETS, SPLIT BELLS, FAILURE TO PASS ACCEPTANCE TESTING OR DAMAGE TO PREVIOUSLY ASSEMBLED JOINTS WILL BE CONSIDERED SUFFICIENT CAUSE FOR REJECTION OF THE WORK.

ALIGNMENT
ALL PIPES SHALL BE LAID UNIFORMLY TO LINE AND GRADE SO THAT THE FINISHED SEWER WILL PRESENT A UNIFORM BORE. NOTICEABLE VARIATIONS FROM TRUE ALIGNMENT AND GRADE WILL BE CONSIDERED SUFFICIENT CAUSE FOR REJECTION OF THE WORK.

PHASING & CONSTRUCTION SCHEDULE
A PHASING & CONSTRUCTION SCHEDULE SHALL BE SUBMITTED TO THE ESD UPON REQUEST. THE PHASING & CONSTRUCTION SCHEDULE SHALL INDICATE THE CONTRACTOR'S PLAN FOR PROGRESSION OF THE WORK.

REJECTION OF PIPE MATERIALS
PIPE SHALL BE SUBJECT TO REJECTION FOR FAILURE TO CONFORM TO ANY REQUIREMENT OF THE SPECIFICATIONS OR FOR ANY OF THE FOLLOWING REASONS:
1. FRACTURES OR CRACKS PASSING THROUGH THE PIPE WALL OR SOCKET, EXCEPT THAT A SINGLE CRACK NOT EXCEEDING 2 INCHES IN LENGTH AT EITHER END OF THE PIPE OR A SINGLE FRACTURE IN THE SOCKET NOT EXCEEDING 3 INCHES IN WIDTH OR 2 INCHES IN LENGTH SHALL NOT BE CONSIDERED CAUSE FOR REJECTION UNLESS THESE DEFECTS EXIST IN MORE THAN 5% OF THE ENTIRE SHIPMENT OR DELIVERY.
2. CHIPS OR FRACTURES ON THE INTERIOR OF THE PIPE EXCEEDING 2 INCHES IN LENGTH, 1 INCH IN WIDTH, OR A DEPTH MORE THAN 1/4 THE BARREL THICKNESS.
3. CRACKS SUFFICIENT TO IMPAIR THE STRENGTH, DURABILITY, OR SERVICEABILITY OF THE PIPE.
4. DEFECTS THAT INDICATE IMPERFECT PROPORTIONING, MIXING, AND MOLDING.
5. VARIATIONS OF MORE THAN 1/8 INCH PER LINEAR FOOT IN ALIGNMENT OF A PIPE INTENDED TO BE STRAIGHT.
6. INSECURE ATTACHMENT OF SPURS.
7. DAMAGED ENDS, WHERE SUCH DAMAGE WOULD PREVENT MAKING A SATISFACTORY JOINT.
8. CRACKS, SPLITS, OR DAMAGE OF ANY KIND WHICH MAY IMPAIR THE WATERTIGHT INTEGRITY OF PLASTIC PIPE.

COUPLINGS
WHERE PIPE COUPLINGS ARE REQUIRED TO JOIN PIPES OF DISSIMILAR MATERIAL, THEY SHALL BE FULLY STAINLESS STEEL SHIELDED RUBBER COUPLINGS INTENDED FOR UNDERGROUND USE. COUPLINGS SHALL BE RUBBER UNDERGROUND SEWER COUPLING WITH RUBBER CONFORMING TO ASTM C 425, ASTM C 1173 AND 316 SERIES STAINLESS STEEL CLAMPS WITH NUT AND BOLT OR WORM DRIVE TAKE-UP.

BEDDING MATERIAL
BEDDING MATERIAL SHALL CONSIST OF DURABLE PARTICLES RANGING IN SIZE FROM FINE TO COURSE IN SUBSTANTIALLY UNIFORM COMBINATION. WISDOT 3/4 INCH DENSE GRADED BASE COURSE SUBSECTION 305.2.2.1 IS GENERALLY ACCEPTABLE UNDER THIS SPECIFICATION. SAND DOES NOT MEET THE GRADATION REQUIREMENTS UNDER THIS SPECIFICATION.

SIEVE	PERCENT PASSING
1-INCH	100
3/4-INCH	95-100
3/8-INCH	50-90
NO. 4	35-70
NO. 10	15-55
NO. 40	10-35
NO. 200	5-15

LIFT THICKNESS FOR BEDDING MATERIALS SHALL NOT EXCEED 12 INCHES. BEDDING SHALL BE COMPACTED BY HAND, OR MECHANICALLY COMPACTED BY EQUALLY CAREFUL MEANS, TO A MINIMUM OF 90% OF STANDARD PROCTOR DENSITY. PIPE BEDDING SHALL BE AS FOLLOWS:
1. PLASTIC PIPE PLASTIC PIPE, INCLUDING BUT NOT LIMITED TO PVC AND PE, SHALL BE LAID WITH BEDDING MATERIAL OF 3/4" DENSE GRADED BASE PLACED BELOW AND AROUND THE PIPE UP TO THE SPRING LINE IN SUCH A MANNER AS TO PROVIDE ADEQUATE SIDE SUPPORT AND TO PREVENT LATERAL MOVEMENT OF THE PIPE. A LAYER OF 3/4" DENSE GRADED BASE SHALL BE SPREAD OVER THE BOTTOM OF THE TRENCH SO THAT AFTER THE PIPE HAS BEEN PLACED THEREON, EMBEDDED TO GRADE, AND ALIGNED, THERE REMAINS A 4 INCH MINIMUM DEPTH OF 3/4" DENSE GRADED BASE BELOW THE PIPE BARREL AND A MINIMUM OF 3 INCHES BELOW THE BELL FOR PIPE 36 INCHES IN DIAMETER OR SMALLER AND A MINIMUM OF 6 INCHES BELOW THE PIPE FOR DIAMETERS 36 INCHES OR LARGER. IF EXCAVATION HAS BEEN CARRIED DEEPER THAN 6 INCHES BELOW THE PIPE BARREL, THE EXCESS DEPTH SHALL BE FILLED WITH AGGREGATE. CARE SHALL BE TAKEN TO INSURE THAT THE PIPE DOES NOT REST DIRECTLY ON THE BELL BUT IS UNIFORMLY SUPPORTED THROUGH ITS ENTIRE LENGTH. WOOD FOOT BLOCKS OF 2-INCH MINIMUM THICKNESS MAY BE USED AT JOINTS OF PIPE 36 INCHES IN DIAMETER AND LARGER PROVIDED THAT THE BEDDING MATERIAL IS MECHANICALLY COMPACTED UNDER THE LOWER 90 DEGREE QUADRANT OF THE PIPE. SUPPORTING BLOCKS ARE NOT PERMITTED UNDER PIPE LESS THAN 36 INCHES IN DIAMETER.
2. RCP RCP PIPE SHALL BE BEDDED ACCORDING TO THE SPECIFICATIONS FOR PLASTIC PIPE.
3. DI DI SEWER PIPE SHALL BE BEDDED ACCORDING TO THE SPECIFICATIONS FOR PLASTIC PIPE, EXCEPT THAT BEDDING MATERIAL MAY BE 3/4" DENSE GRADED BASE OR COVER MATERIAL.
4. CSCP CSCP SHALL BE BEDDED ACCORDING TO THE SPECIFICATIONS FOR PLASTIC PIPE.

COVER MATERIAL
COVER MATERIAL SHALL CONSIST OF DURABLE PARTICLES RANGING IN SIZE FROM FINE TO COURSE IN SUBSTANTIALLY UNIFORM COMBINATION. WISDOT 3/4 INCH DENSE GRADED BASE COURSE SUBSECTION 305.2.2.1 IS GENERALLY ACCEPTABLE UNDER THIS SPECIFICATION. SAND DOES NOT MEET THE GRADATION REQUIREMENTS UNDER THIS SPECIFICATION.

SIEVE	PERCENT PASSING
1-INCH	100
3/4-INCH	95-100
3/8-INCH	50-90
NO. 4	35-70
NO. 10	15-55
NO. 40	10-35
NO. 200	5-15

LIFT THICKNESS FOR PIPE COVER SHALL NOT EXCEED 12 INCHES. COVER SHALL BE MECHANICALLY TAMPED TO A MINIMUM OF 90% OF STANDARD PROCTOR DENSITY.
1. PLASTIC PIPE PLASTIC PIPE, INCLUDING BUT NOT LIMITED TO PVC AND PE, SHALL BE LAID WITH COVER MATERIAL OR 3/4" DENSE GRADED BASE PLACED IN NOT LESS THAN TWO STAGES. ONE TO THE TOP OF THE PIPE AND THE OTHER TO A LEVEL AT LEAST 6 INCHES ABOVE THE PIPE FOR SIZES 36 INCHES IN DIAMETER OR SMALLER AND TO A LEVEL AT LEAST 12 INCHES ABOVE THE PIPE WHERE THE PIPE IS LARGER THAN 36 INCHES IN DIAMETER. MATERIAL SHALL BE PLACED BY HAND OR EQUALLY CAREFUL MEANS. IN ORDER TO PROVIDE LATERAL SUPPORT FOR THE PIPE, EACH STAGE OF COVER SHALL BE COMPACTED BY HAND OR MECHANICAL TAMPING TO A MINIMUM OF 90% STANDARD PROCTOR DENSITY. IF THE REMAINING BACKFILL MATERIAL CONTAINS LARGE ROCKS OR BOULDERS, THE SECOND STAGE OF COVER SHALL BE INCREASED TO A LEVEL 12 INCHES ABOVE THE PIPE.
2. RCP RCP SHALL BE COVERED ACCORDING TO THE SPECIFICATIONS FOR PLASTIC PIPE, EXCEPT WHERE PIPE 36 INCHES IN DIAMETER OR LARGER IS INSTALLED, GRANULAR BACKFILL MAY BE USED AS COVER.
3. DI DI SEWER PIPE SHALL BE COVERED ACCORDING TO THE SPECIFICATIONS FOR PLASTIC PIPE, EXCEPT THAT THE COVER MATERIAL SHALL THE SAME MATERIAL USED FOR BEDDING MATERIAL.
4. CSCP CSCP SHALL BE COVERED ACCORDING TO THE SPECIFICATIONS FOR PLASTIC PIPE.

PREPARATION OF SUBGRADE
ALL UNDESIRABLE MATERIAL SUCH AS ORGANIC SOILS, ETC., WHICH CANNOT ADEQUATELY SUPPORT THE MANHOLE SHALL BE REMOVED BELOW THE NORMAL MANHOLE BOTTOM AND REPLACED WITH CRUSHED STONE.WHERE DISTANCE TO STABLE GROUND IS EXCESSIVE, THE ESD RESERVES THE RIGHT TO ORDER OTHER TYPES OF FOUNDATION SUCH AS AN ADDITIONAL POURED BASE AS DEEMED NECESSARY.

MANHOLE BASES
CONCRETE MANHOLE BASES SHALL BE AS FOLLOWS:
1. PRECAST MANHOLE WITH INTEGRAL BASE INTEGRAL BASE HAS BEEN PLACED THEREON, SET TO GRADE, AND PLUMBED, THERE REMAINS A MINIMUM DEPTH OF BEDDING MATERIAL BELOW THE BOTTOM OF THE BASE EQUAL TO THE DEPTH OF BEDDING MATERIAL OF THE ADJACENT SEWERS. THE ANNULAR SPACE BETWEEN THE MANHOLE EXCAVATION AND THE OUTSIDE MANHOLE WALL SHALL BE BACKFILLED WITH BEDDING MATERIAL UP TO THE SPRING LINE OF THE INCOMING PIPE.
2. FIELD POURED BASE FOR PRECAST MANHOLE THE PRECAST MANHOLE BOTTOM BARREL SHALL BE SET ON CONCRETE BRICK OR SOLID BLOCK SO THAT THE BOTTOM OF THIS SECTION IS BELOW THE SPRING LINE OF THE OUTLET PIPE, SET FOR PROPER LOCATION AND PLUMBED. THE CONCRETE BASE OF CLASS D CONCRETE SHALL HAVE A MINIMUM THICKNESS OF 12 INCHES BELOW THE INVERT OF THE OUTLET SEWER. THE MANHOLE BASE SHALL SUBSTANTIALLY CONFORM TO THE REQUIRED SHAPE AND DIMENSIONS; THE EXCAVATION SHALL BE BACK FORMED, IF NECESSARY, TO ACHIEVE THIS END. IF EXCAVATION IN STABLE SOIL HAS BEEN CARRIED BELOW THE REQUIRED DEPTH, SUCH EXCESS DEPTH SHALL BE FILLED WITH CONCRETE. EXCESS CONCRETE SHALL NOT BE DEPOSITED AROUND THE MANHOLE IN SUCH A MANNER THAT WILL INTERFERE WITH POSSIBLE FUTURE CONNECTIONS. THE PIPE SHALL BE SUPPORTED ON BRICK OR SOLID CONCRETE BLOCKS FOR THE POURING OF THE CONCRETE BASE. THE CONCRETE SUPPORT FOR RIGID PIPE SHALL END IN A VERTICAL PLANE FLUSH WITH THE FACE OF THE PIPE BELL.
3. SEPARATE CONCRETE BASE SLAB SEPARATE CONCRETE BASE SLABS SHALL NOT GENERALLY BE ACCEPTABLE UNDER THESE SPECIFICATIONS.

FLOW CHANNEL
THE FLOW CHANNEL THROUGH MANHOLES SHALL BE MADE TO CONFORM TO THE SHAPE OF THE CONNECTING SEWERS AND SHALL EXTEND VERTICALLY FROM THE SPRINGLINE TO THE CROWN OF THE DISCHARGE PIPE. A MINIMUM UNIFORM DROP OF 0.10 FEET SHALL BE PROVIDED IN THE FLOW CHANNEL BETWEEN THE ENTERING SEWER AND THE DISCHARGE SEWER. THE THROUGH MANHOLE FLOW CHANNEL SHALL BE THE SAME DIAMETER AS THE LARGER OF THE ADJOINING SEWERS.

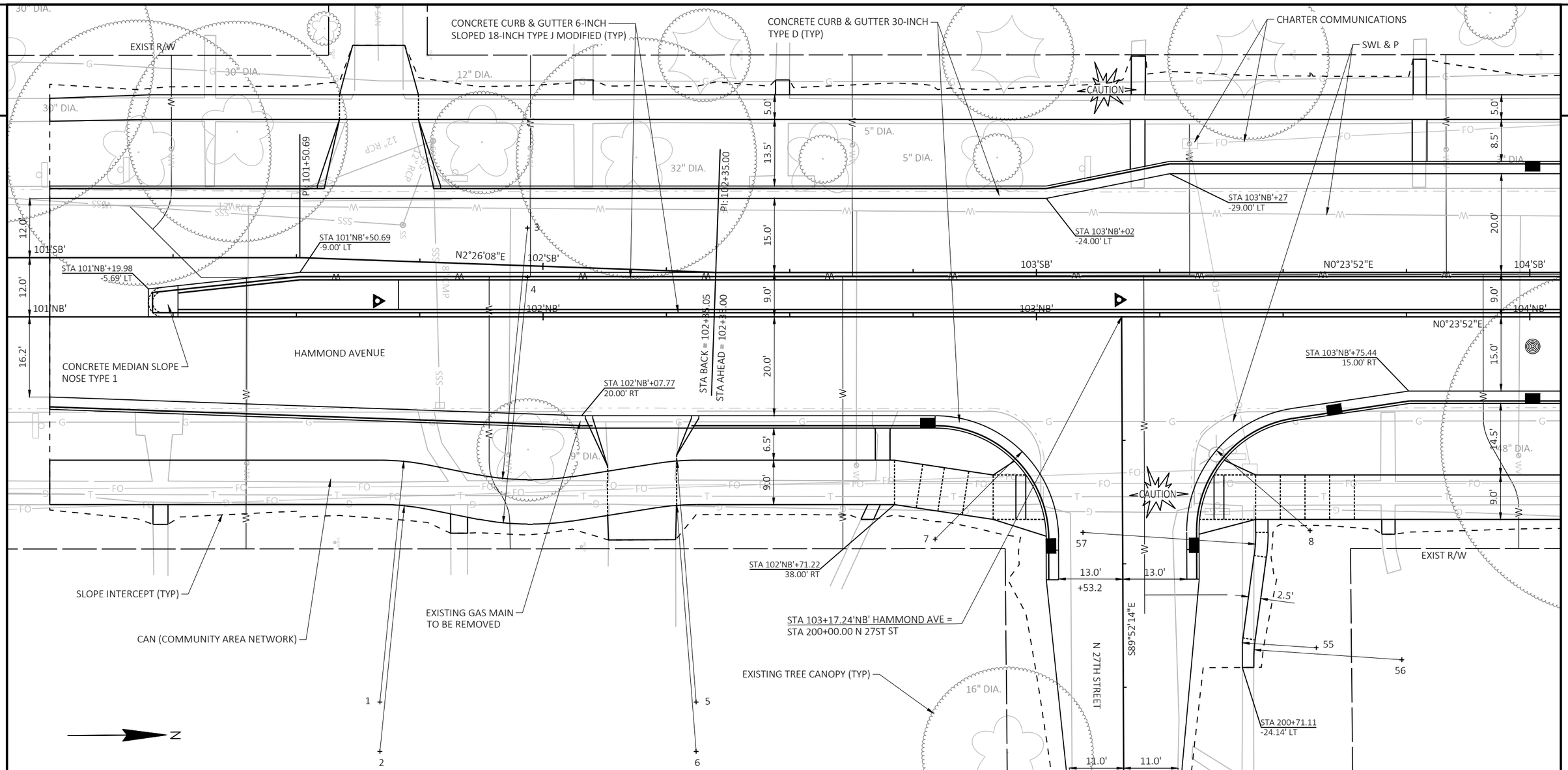
DROP PIPE
AN OUTSIDE DROP PIPE SHALL BE PROVIDED FOR A SEWER ENTERING A MANHOLE WHERE THE INVERT ELEVATION OF THE ENTERING SEWER IS 2 FEET OR MORE ABOVE THE SPRINGLINE OF THE OUTGOING SEWER. THE ENTIRE DROP PIPE CONNECTION SHALL BE ENCASED IN CONCRETE. THE DROP PIPE SHALL BE THE SAME DIAMETER AS THE INCOMING SEWER UNLESS OTHERWISE SPECIFIED. AN INSIDE DROP PIPE SHALL NOT BE USED WITHOUT THE APPROVAL OF THE ESD.

PIPE TO MANHOLE CONNECTION
CONNECTION SHALL BE WATER TIGHT IN ALL MANHOLES. PENETRATIONS IN MANHOLES SHALL BE CORED OR PREFORMED.

THE MANHOLE CONNECTION OF PIPE SEWERS SHALL BE ACCOMPLISHED BY ONE OF THE FOLLOWING:
1. NONFLEXIBLE CONNECTIONS OF RIGID PIPE WHEN RIGID PIPE IS CONNECTED TO A CONCRETE BRICK, BLOCK, OR PRECAST MANHOLE WITHIN THE MANHOLE BASE, IT SHALL BE SUPPORTED ON BRICK OR SOLID CONCRETE BLOCKS FOR THE POURING OF THE CONCRETE BASE. THE CONCRETE OF THE BASE SHALL BE EXTENDED UNDER THE PIPE AND END IN A VERTICAL PLANE FLUSH WITH THE FACE OF THE PIPE BELL. WHERE PIPE ENTERS THE MANHOLE ABOVE THE MANHOLE BASE, IT SHALL BE SUPPORTED FROM THE WALL OF THE MANHOLE TO THE FACE OF THE FIRST PIPE JOINT BELL WITH A WALL OF BACKFILL, CONCRETE, BRICK, OR SOLID CONCRETE BLOCK COLUMNS. CONNECTIONS SHALL BE AS FOLLOWS:
   a. SANITARY WHEN CONNECTING RIGID PIPE TO A PRECAST MANHOLE THE CONNECTION SHALL BE BY MEANS OF AN APPROVED FLEXIBLE WATERTIGHT PIPE TO MANHOLE SEAL FOR PIPE DIAMETERS UP TO 24 INCHES IN 48-INCH MANHOLES. THIS SEAL SHALL MEET THE PHYSICAL REQUIREMENTS OF ASTM C923. LARGER DIAMETER PIPE CONNECTIONS SHALL BE AS SHOWN ON THE CONTRACT DRAWINGS. CONNECTIONS OF RIGID PIPE TO BRICK OR BLOCK MANHOLES SHALL BE BY MEANS OF BRICK AND MORTAR. A MINIMUM OF WATER SHALL BE ADDED TO THE MORTAR TO PRODUCE A LUMPY TEXTURE. MORTAR SHALL BE PACKED IN AND TROWELED OFF
   b. STORM WHEN CONNECTING RIGID PIPE TO STORM MANHOLES, THE CONNECTION SHALL BE BY MEANS OF BRICK AND MORTAR.
2. FLEXIBLE CONNECTION OF PIPE ALL PLASTIC PIPE SHALL BE CONNECTED TO PRECAST MANHOLES BY MEANS OF AN APPROVED FLEXIBLE WATERTIGHT PIPE TO MANHOLE SEAL THIS SEAL SHALL MEET THE PHYSICAL REQUIREMENTS OF ASTM C-443 AND THE PERFORMANCE REQUIREMENTS OF ASTM C-425 AND C-433. PIPE ENTERING A MANHOLE THROUGH THIS SEAL SHALL BE LAID IN ACCORDANCE WITH THE BEDDING SECTION REQUIREMENTS AND SHALL NOT BE RIGIDLY SUPPORTED AS REQUIRED FOR NONFLEXIBLE CONNECTIONS. TO MAINTAIN THE SEAL FLEXIBILITY THAT PORTION OF THE ANNULAR SPACE BETWEEN THE PIPE AND THE MANHOLE WALL BELOW THE SPRINGLINE OF THE PIPE SHALL BE PLUGGED WITH BUTYL RUBBER GASKET MATERIAL PRIOR TO THE PLACING OF CONCRETE IN THE MANHOLE (FOR FIELD POURED BASE OR INVERTS).

BULKHEAD
UNLESS OTHERWISE SPECIFIED,

2



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
1	101+66.91	78.00 RT	200+77.30	150.69 RT	300320.983	148583.464	49.0'
2	101+66.91	88.00 RT	200+87.30	150.74 RT	300320.914	148593.464	50.0'
3	101+96.82	18.00 LT	0+00.00	0.00	300351.551	148487.674	51.0'
4	101+96.82	8.00 LT	0+00.00	0.00	300351.481	148497.674	50.0'
5	102+31.00	78.00 RT	200+77.60	86.60 RT	300385.072	148583.909	49.0'
6	102+31.00	88.00 RT	200+87.60	86.65 RT	300385.003	148593.909	50.0'

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
7	102+79.45	45.00 RT	200+44.82	38.00 RT	300433.746	148551.246	25.0'
8	103+55.44	43.28 RT	200+43.46	38.00 LT	300509.748	148550.053	25.0'
55	103+56.72	67.01 RT	200+67.19	39.16 LT	300510.856	148573.788	15.0'
56	103+74.05	69.43 RT	200+69.70	56.48 LT	300528.170	148576.336	30.0'
57	103+09.41	43.65 RT	200+43.62	8.04 RT	300463.713	148550.108	35.0'

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	INTERSECTION DETAIL - N 27TH STREET (EAST)	SHEET 15	E

2

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
9	105+24.69	54.00 LT	209+45.97	37.00 RT	300679.666	148453.951	25.0'
10	105+98.69	54.00 LT	209+46.03	37.00 LT	300753.665	148454.465	25.0'
11	105+93.20	5.50 LT	209+94.52	31.47 LT	300747.839	148502.926	2.0'
12	105+93.20	3.50 LT	209+96.52	31.47 LT	300747.825	148504.925	2.0'
13	106+07.20	5.50 LT	209+94.54	45.47 LT	300761.839	148503.023	2.0'
14	106+07.20	3.50 LT	209+96.54	45.47 LT	300761.825	148505.023	2.0'

N

BEGIN CONSTRUCTION
STA 209+12.97
MATCH EXISTING
SAWCUT REQ'D

209+00

EXISTING TREE CANOPY (TYP)

21" DIA.

18" DIA.

8" DIA.

6" DIA.

12"

SWL & P

CHARTER COMMUNICATIONS

10.0' 10.0' 12.5'

+21.0

N 26TH STREET

6.0'

10.5'

12.0' 12.0'

9 +

+ 10

EXIST R/W

CAUTION

S89°38'52"E

5.0'

8.5'

2" DIA.

PVC

20.0'

105'SB'

106'SB'

N0°23'52"E

107'SB'

9.0'

105'NB'

11 +
12 +

13 +
14 +

106'NB'

10.0'

N0°23'52"E

107'NB'

15.0'

HAMMOND AVENUE

STA 106'NB'+22.79
15.00' RT

STA 106'NB'+47.79
20.00' RT

14.5'

2" DIA.

3" DIA.

12" DIA.

9.5'

24" DIA.

22" DIA.

CAUTION

EXISTING GAS MAIN
TO BE REMOVED

STA 105+61.73'NB' HAMMOND AVE =
STA 210+00.00 N 26TH ST

CONCRETE CURB & GUTTER 6-INCH
SLOPED 18-INCH TYPE J MODIFIED (TYP)

CONCRETE CURB & GUTTER 30-INCH
TYPE D (TYP)

SLOPE INTERCEPT (TYP)

CAN (COMMUNITY AREA NETWORK)

EXIST R/W

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	INTERSECTION DETAIL - N 26TH STREET (WEST)	SHEET 16	E

2

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
15	109+38.59	43.00 RT	230+42.80	37.00 RT	301092.879	148553.822	25.0'
16	110+14.59	43.28 RT	230+43.50	39.00 LT	301168.878	148554.629	25.0'
17	109+42.12	5.50 LT	0+00.00	0.00	301096.748	148505.348	2.0'
18	109+42.12	3.50 LT	0+00.00	0.00	301096.734	148507.348	2.0'
19	109+56.12	5.50 LT	0+00.00	0.00	301110.748	148505.445	2.0'
20	109+56.12	3.50 LT	0+00.00	0.00	301110.734	148507.445	2.0'

= CLEARING AND GRUBBING

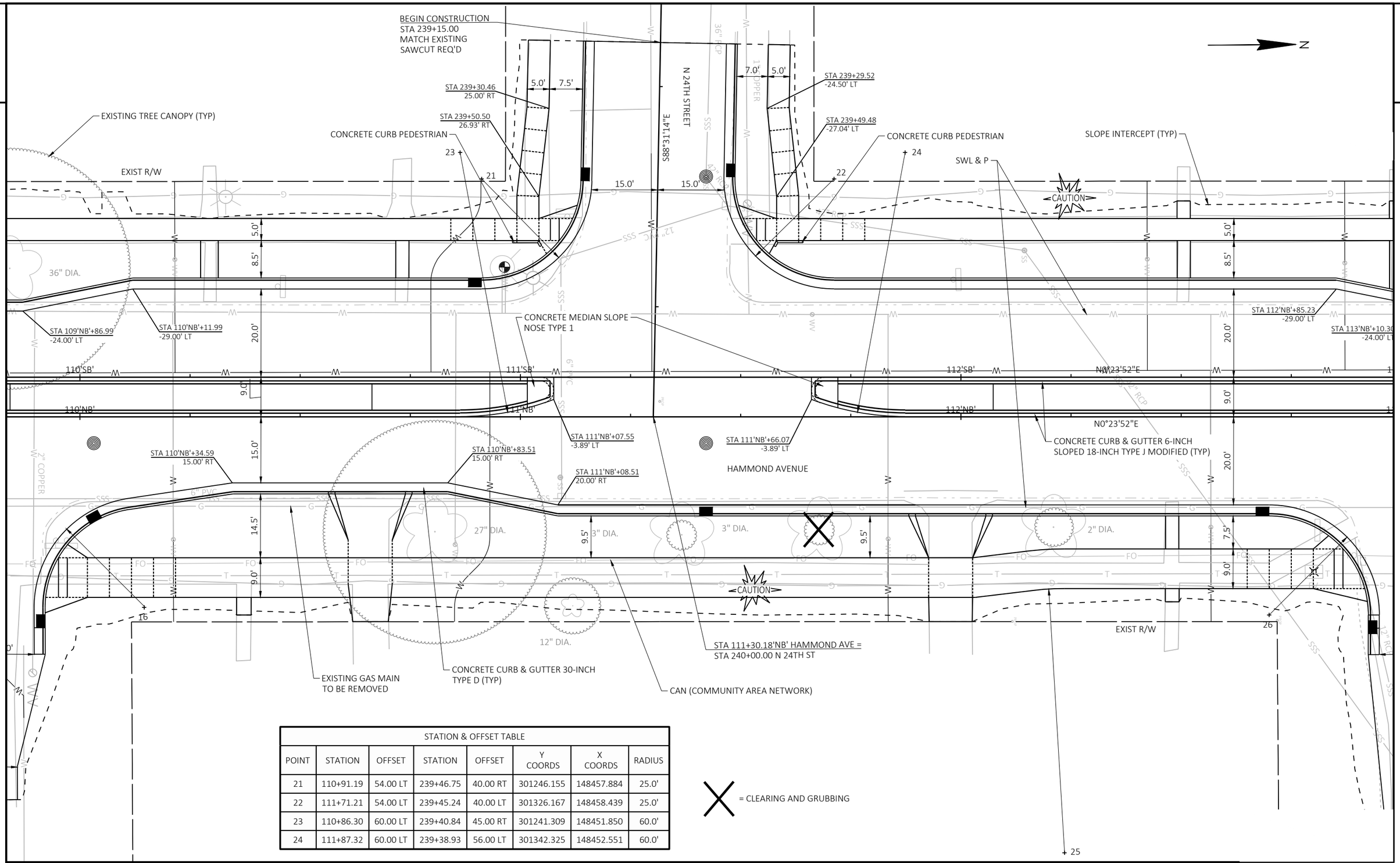
N

22" DIA.
12" DIA.
SWL & P
6" DIA.
15" DIA.
6" DIA.
STA 109+75.35'NB' HAMMOND AVE =
STA 230+00.00 N 25TH ST
EXISTING TREE CANOPY (TYP)
EXIST R/W
CAUTION
5.0'
8.5'
13.5'
36" DIA.
4" DIA.
STA 108'NB'+85.63
-29.00' LT
STA 109'NB'+10.70
-24.00' LT
STA 109'NB'+86.99
-24.00' LT
STA 110'NB'+11.99
-29.00' LT
20.0'
108'SB'
109'SB'
N0°23'52"E
110'SB'
9.0'
108'NB'
109'NB'
110'NB'
17
18
19
20
10.0'
CONCRETE CURB & GUTTER 6-INCH
SLOPED 18-INCH TYPE J MODIFIED (TYP)
HAMMOND AVENUE
STA 108'NB'+71.22
20.0' RT
STA 108'NB'+81.22
18.00' RT
STA 110'NB'+34.59
15.00' RT
15.0'
2" COPPER
8" DWC
14.5'
9.5'
11.5'
24" DIA.
9.0'
CAUTION
15
16
9.5'
+45.9
12.0'
+54.0
14.0'
EXIST R/W
5.0'
N 25TH STREET
S89°55'14"E
STA 230+79.84
14.06' RT
4.0'
10.0'
+79.4
10.0'
END CONSTRUCTION
STA 230+87.00
MATCH EXISTING
SAWCUT REQ'D
231+
EXISTING GAS MAIN
TO BE REMOVED
CONCRETE CURB & GUTTER 30-INCH
TYPE D (TYP)
SLOPE INTERCEPT (TYP)
CAN (COMMUNITY AREA NETWORK)

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	INTERSECTION DETAIL - N 25TH STREET (EAST)	SHEET 17	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_ID.DWG
LAYOUT NAME - 03
PLOT DATE : 7/30/2024 9:16 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
21	110+91.19	54.00 LT	239+46.75	40.00 RT	301246.155	148457.884	25.0'
22	111+71.21	54.00 LT	239+45.24	40.00 LT	301326.167	148458.439	25.0'
23	110+86.30	60.00 LT	239+40.84	45.00 RT	301241.309	148451.850	60.0'
24	111+87.32	60.00 LT	239+38.93	56.00 LT	301342.325	148452.551	60.0'

X = CLEARING AND GRUBBING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	INTERSECTION DETAIL - N 24TH STREET (WEST)	SHEET 18	E

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
25	112+23.52	99.00 RT	240+98.99	84.46 RT	301377.422	148611.799	60.0'
26	112+69.98	45.00 RT	240+45.00	38.00 RT	301424.249	148558.123	25.0'
27	113+45.98	45.00 RT	240+45.00	38.00 LT	301500.247	148558.650	25.0'

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
59	113+31.46	5.50 LT	0+00.00	0.00	301486.078	148508.051	2.0'
60	113+31.46	3.50 LT	0+00.00	0.00	301486.064	148510.051	2.0'
61	113+45.46	5.50 LT	0+00.00	0.00	301500.077	148508.148	2.0'
62	113+45.46	3.50 LT	0+00.00	0.00	301500.063	148510.148	2.0'

N

STA 113+07.97'NB' HAMMOND AVE =
STA 240+00.00 N 24TH ST

EXIST R/W

HAMMOND AVENUE

N0°23'52"E

112'SB' 113'SB' 114'SB'

112'NB' 113'NB' 114'NB'

STA 239+29.52
-24.50' LT

STA 239+49.48
-27.04' LT

STA 111'NB'+66.07
-3.89' LT

STA 112'NB'+85.23
-29.00' LT

STA 113'NB'+10.30
-24.00' LT

STA 113'NB'+68.36
-24.00' LT

STA 113'NB'+93.36
-29.00' LT

STA 114'NB'+53.54
-29.00' LT

7.0' 5.0' 5.0' 8.5' 20.0' 9.0' 20.0' 13.5' 5.0' 8.5' 20.0' 9.0' 20.0'

59 60 61 62 10.0'

CONCRETE CURB & GUTTER 6-INCH
SLOPED 18-INCH TYPE J MODIFIED (TYP)

22 24 25 26 27

22" DIA. 54" DIA. 2" DIA. 36" DIA. 27" DIA. 1" DIA. SHRUB 1" DIA. SHRUB 1" DIA.

CAUTION CAUTION

9.5' 7.5' 9.0' 7.5' 9.0'

S83°36'02"E 2.0'

13.0' +54.0 13.0'

SLOPE INTERCEPT (TYP)

CONCRETE CURB & GUTTER 30-INCH
TYPE D (TYP)

EXISTING GAS MAIN
TO BE REMOVED

NORVADO

CAN (COMMUNITY
AREA NETWORK)

SWL & P

EXISTING TREE CANOPY (TYP)

END CONSTRUCTION
STA 241+06.00
MATCH EXISTING
SAWCUT REQ'D

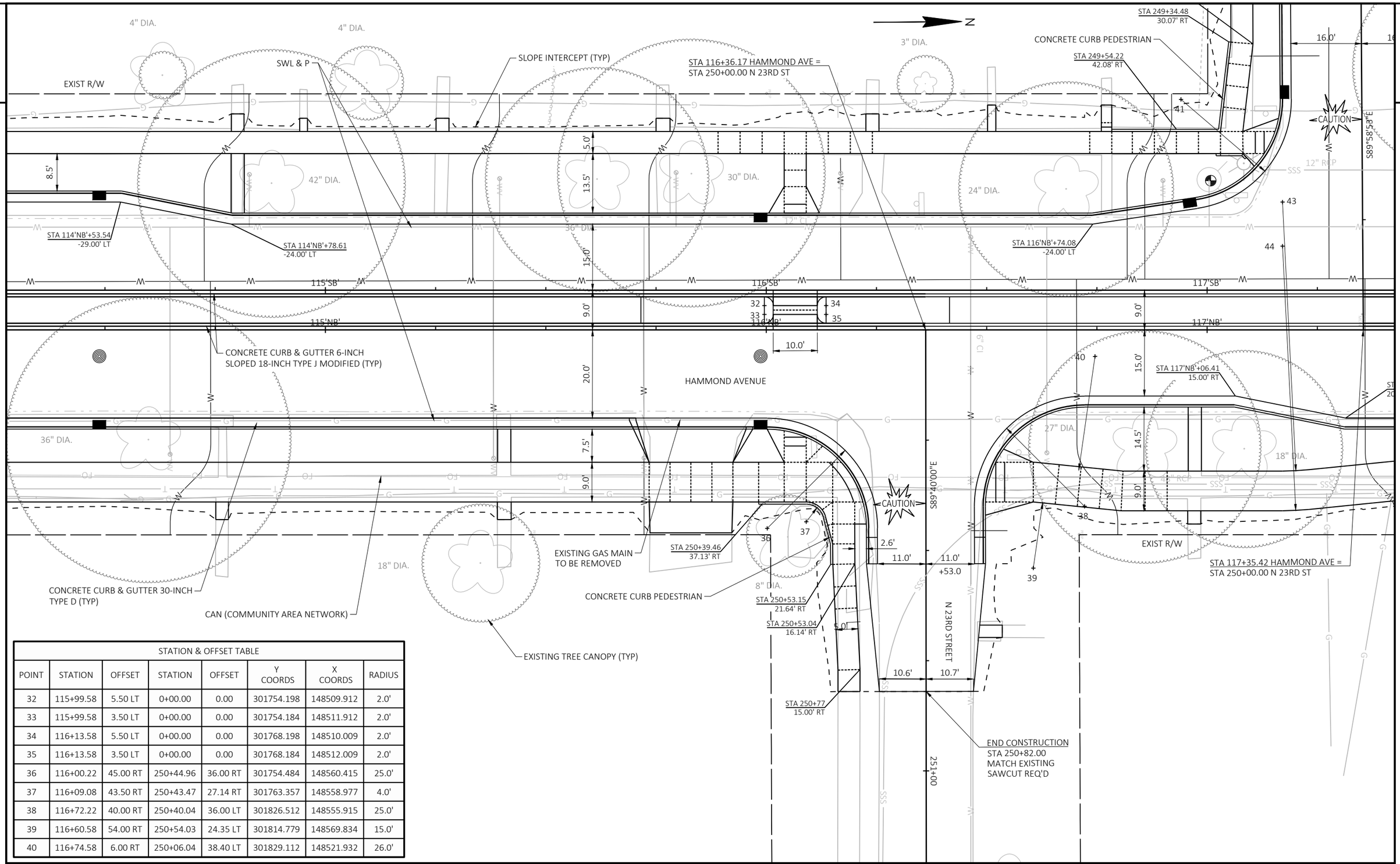
N 24TH STREET

241+00

10.3' 10.3'

= CLEARING AND GRUBBING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	INTERSECTION DETAIL - N 24TH STREET (EAST)	SHEET 19	E



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
32	115+99.58	5.50 LT	0+00.00	0.00	301754.198	148509.912	2.0'
33	115+99.58	3.50 LT	0+00.00	0.00	301754.184	148511.912	2.0'
34	116+13.58	5.50 LT	0+00.00	0.00	301768.198	148510.009	2.0'
35	116+13.58	3.50 LT	0+00.00	0.00	301768.184	148512.009	2.0'
36	116+00.22	45.00 RT	250+44.96	36.00 RT	301754.484	148560.415	25.0'
37	116+09.08	43.50 RT	250+43.47	27.14 RT	301763.357	148558.977	4.0'
38	116+72.22	40.00 RT	250+40.04	36.00 LT	301826.512	148555.915	25.0'
39	116+60.58	54.00 RT	250+54.03	24.35 LT	301814.779	148569.834	15.0'
40	116+74.58	6.00 RT	250+06.04	38.40 LT	301829.112	148521.932	26.0'

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	INTERSECTION DETAIL - N 23RD STREET (EAST)	SHEET 20	E

2

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
41	116+94.08	52.28 LT	249+47.45	41.00 RT	301849.014	148463.790	25.0'
42	117+76.08	52.28 LT	249+47.99	41.00 LT	301931.014	148464.359	25.0'
43	117+17.11	29.00 LT	249+70.88	18.12 RT	301871.889	148487.229	61.0'
44	117+17.11	19.00 LT	249+80.88	18.18 RT	301871.819	148497.228	60.0'
45	117+53.10	88.00 RT	0+00.00	0.00	301907.061	148604.476	59.0'
46	117+53.10	98.00 RT	0+00.00	0.00	301906.991	148614.475	60.0'

N

BEGIN CONSTRUCTION
STA 248+75.00
MATCH EXISTING
SAWCUT REQ'D

N 23RD STREET

249+00

27" RCP

5.0' 6.1'

6.7' 5.0'

STA 249+34.97
24.60' RT

STA 249+34.48
30.07' RT

STA 249+35.16
-25.23' LT

CONCRETE CURB PEDESTRIAN

16.0' 16.0'

3" DIA.

18" DIA.

STA 249+54.22
42.08' RT

41

42

CAUTION

S89°58'53"E

5.0'

12" RCP

EXISTING TREE CANOPY (TYP)

CONCRETE CURB & GUTTER 30-INCH
TYPE D (TYP)

SWL & P

SHRUB

EXIST R/W

13.5'

24" DIA.

43

44

30" DIA.

STA 116'NB'+74.08
-24.00' LT

STA 117'NB'+96.08
-24.00' LT

STA 118'NB'+56.02
-29.00' LT

STA 118'NB'+31.02
-24.00' LT

STA 119'NB'+31
-45.50'

15.0'

8.5'

5.0'

20.0'

117'SB'

N0°23'52"E

118'SB'

119'SB'

34

35

9.0'

117'NB'

118'NB'

119'NB'

N0°23'52"E

CONCRETE CURB & GUTTER 6-INCH
SLOPED 18-INCH TYPE J MODIFIED (TYP)

40

STA 117'NB'+06.41
15.00' RT

STA 117'NB'+31.41
20.00' RT

HAMMOND AVENUE

27" DIA.

18" DIA.

14.5'

6.5'

S89°40'00"E

N 23RD STREET

38

2.6'

11.0'

11.0'

+53.0

39

CAUTION

STA 117+35.42 HAMMOND AVE =
STA 250+00.00 N 23RD ST

45

46

CAN (COMMUNITY AREA NETWORK)

EXIST R/W

SLOPE INTERCEPT (TYP)

EXISTING GAS MAIN
TO BE REMOVED

47

STA 119'NB'+25.37
40.22' RT

20" DIA.

28" DIA

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	INTERSECTION DETAIL - N 23RD STREET (WEST)	SHEET 21	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_ID.DWG
LAYOUT NAME - 07

PLOT DATE : 7/30/2024 9:17 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

STA 119+66.51 HAMMOND AVE =
STA 260+00.00 FAXON ST

CONCRETE CURB PEDESTRIAN

EXISTING TREE CANOPY (TYP)

EXIST R/W

CAUTION

SHRUB

10" DIA.

14" DIA.

2" DIA.

SHRUBS

20" DIA.

1" DIA.

5.0'

51 +

STA 119'NB'+31.43
-45.50' LT

7" DIA.

STA 118'NB'+56.02
-29.00' LT

STA 120'NB'+43.02
-24.00' LT

26" DIA.

STA 118'NB'+31.02
-24.00' LT

STA 119'NB'+33.91
-4.18' LT

STA 119'NB'+89.09
-5.11' LT

STA 120'NB'+17.95
-29.00' LT

STA 120'NB'+96.72
-24.00' LT

119'SB'

120'SB'

121'SB'

119'NB'

120'NB'

121'NB'

NO°23'52"E

CONCRETE CURB & GUTTER 6-INCH
SLOPED 18-INCH TYPE J MODIFIED (TYP)

CONCRETE MEDIAN SLOPE
NOSE TYPE 1

HAMMOND AVENUE

STA 120'NB'+25.37
15.00' RT

STA 121'NB'+16.49
15.00' RT

6" CMP

21" DIA.

42" DIA.

S89°25'04"E

CAUTION

5.0'

8.5'

48

47

49

50

STA 120'NB'+06.37
-41.52' RT

EXIST R/W

23" DIA.

4" DIA.

39" DIA.

20" DIA.

28" DIA.

CAN (COMMUNITY AREA NETWORK)

SWL & P

CONCRETE CURB PEDESTRIAN

STA 119'NB'+25.37
40.22' RT

STA 260+62.44
15.72' RT

STA 260+51.10
30.50' RT

14.0'
+54.6

14.0'

STA 260+50.90
-30.50' LT

STA 260+62.44
-15.94' LT

CONCRETE CURB PEDESTRIAN

EXISTING GAS MAIN
TO BE REMOVED

SLOPE INTERCEPT (TYP)

CONCRETE CURB & GUTTER 30-INCH
TYPE D (TYP)

FAXON STREET

9.3'

15.7'

15.9'

9.1'

EP: 261+00.00

END CONSTRUCTION
STA 260+90.00
MATCH EXISTING
SAWCUT REQ'D

5.0'
8.5'
9.0'
20.0'
6.5'
9.0'
20.0'
5.0'
13.5'
15.0'
9.0'
15.0'
14.5'
9.0'

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
47	119+10.34	51.00 RT	260+51.18	56.00 RT	302064.557	148568.568	60.0'
48	119+27.36	45.00 RT	260+45.13	39.00 RT	302081.618	148562.686	25.0'
49	120+05.36	45.77 RT	260+45.64	39.00 LT	302159.608	148563.997	25.0'
50	120+10.34	51.00 RT	260+50.86	44.00 LT	302164.555	148569.262	60.0'

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	INTERSECTION DETAIL - FAXON STREET	SHEET 22	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_ID.DWG
LAYOUT NAME - 08
PLOT DATE : 7/30/2024 9:17 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
51	121+16.72	52.28 LT	269+47.72	38.00 RT	302271.649	148466.724	25.0'
52	121+92.72	52.00 LT	269+48.00	38.00 LT	302347.645	148467.531	25.0'

= CLEARING AND GRUBBING

BEGIN CONSTRUCTION
STA 268+80.00
MATCH EXISTING
SAWCUT REQ'D

N

11.0'
+98.0
11.5'
269+00
N 22ND STREET
S89°36'30"E
42" RCP
5.0'
8.7'
13.0'
+38.0
13.0'
10.2'
5.0'
W
SSS
CAUTION
51
52
STA 269+40
-31.20' LT
CONCRETE CURB PEDESTRIAN
CONCRETE CURB & GUTTER 30-INCH
TYPE D (TYP)
12" DIA.
EXISTING TREE CANOPY (TYP)
STA 122+94.87'NB' HAMMOND AVE =
STA 270+00.00 N 22ND ST
STA 122'NB'+00.42
-45.50' LT
STA 122'NB'+81.85
-45.50' LT
STA 122'NB'+62.47
-45.50' LT
24" DIA.
10" DIA.
SLOPE INTERCEPT (TYP)
SHRUBS
15" DIA.
2" DIA.
2" DIA.
CONCRETE CURB PEDESTRIAN
20" DIA.
SWL & P
1" DIA.
EXIST R/W
8.5'
5.0'
13.5'
15.0'
9.0'
7" DIA.
26" DIA.
DIA.
12" RCP
STA 120'NB'+43.02
-24.00' LT
STA 120'NB'+89.09
T
STA 120'NB'+17.95
29.00' LT
STA 120'NB'+96.72
-24.00' LT
STA 122'NB'+12.11
-27.00' LT
STA 122'NB'+27.15
-24.00' LT
10.5'
13.5'
15.0'
9.0'
D'SB'
121'SB'
122'SB'
N0°23'52"E
123'SB'
D'NB'
121'NB'
122'NB'
N0°23'52"E
123'NB'
63
64
65
66
10.0'
HAMMOND AVENUE
STA 120'NB'+25.37
15.00' RT
6" CLAY
21" DIA.
42" DIA.
STA 121'NB'+16.49
15.00' RT
STA 121'NB'+41.49
20.00' RT
STA 121'NB'+81.49
20.00' RT
STA 122'NB'+06.49
15.00' RT
24" CONCRETE CURB & GUTTER 6-INCH
SLOPED 18-INCH TYPE J MODIFIED (TYP)
S89°33'17"E
14.5'
9.5'
9.0'
28" DIA.
CAUTION
49
50
53
STA 120'NB'+06.37
41.52' RT
EXISTING GAS MAIN
TO BE REMOVED
CAN (COMMUNITY AREA NETWORK)
STA 121+54.73'NB' HAMMOND AVE =
STA 270+00.00 N 22ND ST
EXIST R/W
23" DIA.
4" DIA.
39" DIA.
10.0'
10.5'
15.5'

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	INTERSECTION DETAIL - N 22ND STREET	SHEET 23	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_ID.DWG
LAYOUT NAME - 09
PLOT DATE : 7/30/2024 9:26 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : ##########

2

2

EXISTING TREE CANOPY (TYP)

CONCRETE CURB & GUTTER 30-INCH TYPE D (TYP)

STA 122+94.87'NB' HAMMOND AVE =
STA 270+00.00 N 22ND ST

SWL & P

STA 122'NB'+81.85
-45.50' LT

CONCRETE CURB PEDESTRIAN

STA 122'NB'+62.47
-45.50' LT

EXIST R/W

CAUTION

SHRUBS

24" DIA.

13.5' DIA.

22" DIA.

15" RCP

STA 123'NB'+89.34
-29.00' LT

STA 123'NB'+64.34
-24.00' LT

STA 124'NB'+65.20
-29.00' LT

18" DIA.

STA 124'NB'+97.21
-24.78' LT

STA 125'NB'+20.64
-10.74' LT

N0°23'52"E

123'SB'

124'SB'

125'SB'

63
64
65
66

123'NB'

124'NB'

125'NB'

58

10.0'

CONCRETE CURB & GUTTER 6-INCH SLOPED 18-INCH TYPE J MODIFIED (TYP)

HAMMOND AVENUE

CONCRETE MEDIAN SLOPE NOSE TYPE 1

STA 124'NB'+78.90
0.00'

STA 124'NB'+99.77
15.00' RT

STA 125'NB'+20.64
-6.96' LT

STA 125'NB'+29.77
20.00' RT

9" DIA.

S89°33'17"E

STA 123'NB'+55.36
15.00' RT

24" DIA.

18" DIA.

12" DIA.

28" DIA.

53

54

CAUTION

EXIST R/W

10.0'
10.5'
15.5'
+54.0

SLOPE INTERCEPT (TYP)

8" DIA.

8" DIA.

8" DIA.

22" DIA.

18" DIA.

8" DIA.

3" DIA

CAN (COMMUNITY AREA NETWORK)

EXISTING GAS MAIN TO BE REMOVED

N 22ND STREET

5.0'
12.5'
10.5'
10.5'
+79.0

END CONSTRUCTION
STA 270+90.00
MATCH EXISTING
SAWCUT REQ'D

EP: 271+00.00

STATION & OFFSET TABLE

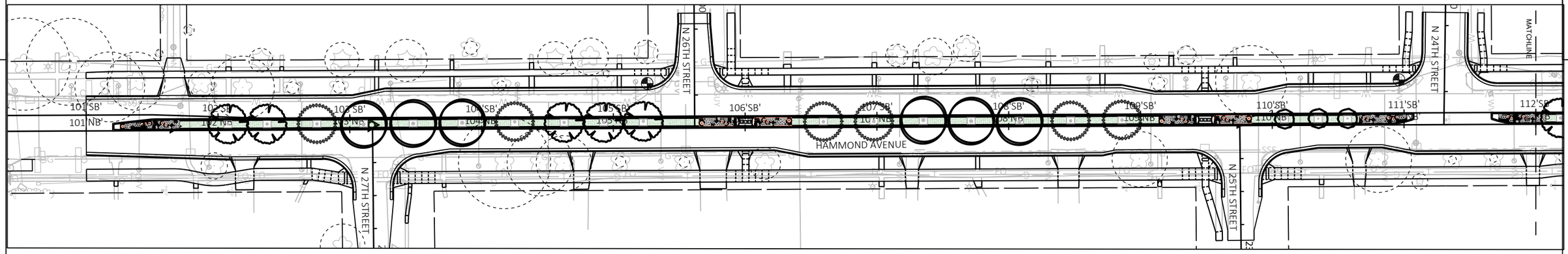
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
53	122+59.34	43.50 RT	270+40.03	35.50 RT	302413.623	148559.991	25.0'
54	123+35.34	43.30 RT	270+43.27	40.50 LT	302489.596	148563.826	25.0'
58	125+18.63	5.16 LT	0+00.00	0.00	302673.250	148513.136	2.0'
63	122+62.35	5.50 LT	0+00.00	0.00	302416.946	148514.513	2.0'
64	122+62.35	3.50 LT	0+00.00	0.00	302416.932	148516.513	2.0'
65	122+76.35	5.50 LT	0+00.00	0.00	302430.945	148514.610	2.0'
66	122+76.35	3.50 LT	0+00.00	0.00	302430.931	148516.610	2.0'

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	INTERSECTION DETAIL - N 22ND STREET	SHEET 24	E

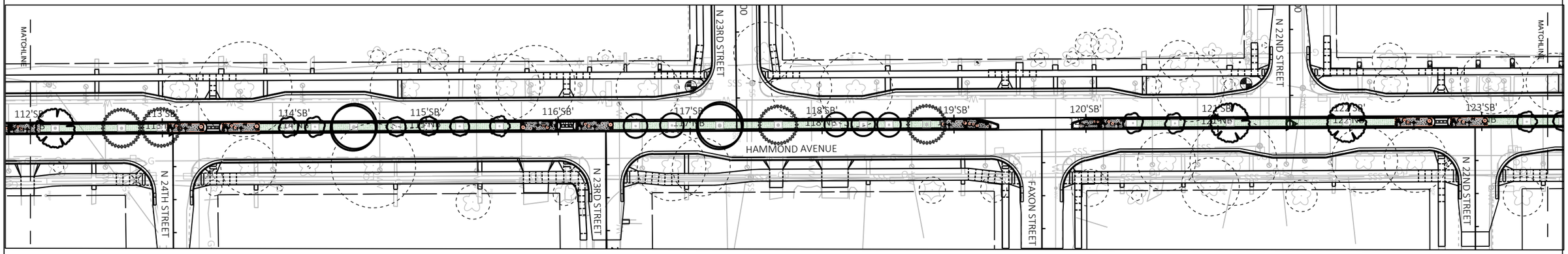
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_ID.DWG
LAYOUT NAME - 10

PLOT DATE : 7/30/2024 9:28 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

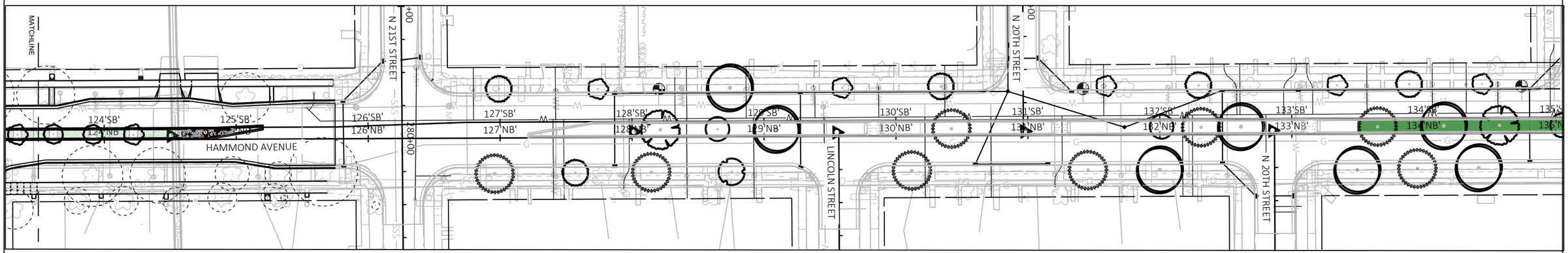
WISDOT/CADDS SHEET 42



OVERVIEW: HAMMOND AVENUE - SOUTH



OVERVIEW: HAMMOND AVENUE - NORTH



OVERVIEW: HAMMOND AVENUE - NORTH

N

0 75 150 Feet

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L1.00 25	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - OVERVIEW

PLOT DATE : 7/30/2024 8:49 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE :

2

N

0 10 20 Feet

LEGEND

BEE LAWN

30" DIA.

SHRUB

12" DIA.

10" DIA.

27" DIA.

30" DIA.

30" DIA.

12" DIA.

5" DIA.

5" DIA.

32" DIA.

3" DIA

12" RCP

12" RCP

12" RCP

MATCHLINE

101 SB'

101 NB'

102'SB'

102'NB'

(2) TA

(1) GK

103'SB'

103'NB'

(3) UM

104'SB'

104'NB'

A

SEE PERENNIAL ENLARGEMENT SHEET L2.01

HAMMOND AVENUE

9" DIA.

BEE LAWN (TYP)

48" DI

N 27TH STREET

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L1.01	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L1.01

PLOT DATE : 7/30/2024 8:49 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

2

2

N

0 10 20 Feet

LEGEND

BEE LAWN

N 26TH STREET

(1) GK

(3) TA

(2) GK

104'SB'

104'NB'

105'SB'

105'NB'

106'SB'

106'NB'

107'SB'

107'NB'

B

HAMMOND AVENUE

BEE LAWN (TYP)

SEE PERENNIAL ENLARGEMENT SHEET L2.01

MATCHLINE

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L1.02 27	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L1.02

PLOT DATE : 7/30/2024 8:49 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

0 10 20 Feet

LEGEND

BEE LAWN

(3) UM

(2) GK

107'SB'

107'NB'

108'SB'

108'NB'

109'SB'

109'NB'

110'SB'

110'NB'

MATCHLINE

C

SEE PERENNIAL ENLARGEMENT SHEET L2.02

HAMMOND AVENUE

BEE LAWN (TYP)

N 25TH STREET

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L1.03	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L1.03

PLOT DATE : 7/30/2024 8:50 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N

0 10 20 Feet

LEGEND

BEE LAWN

N 24TH STREET

(3) CP

(1) TA

(2) GK

110'SB'

110'NB'

111'SB'

111'NB'

112'SB'

112'NB'

113'SB'

113'NB'

MATCHLINE

MATCHLINE

D

E

SEE PERENNIAL ENLARGEMENT SHEET L2.02

SEE PERENNIAL ENLARGEMENT SHEET L2.03

HAMMOND AVENUE

BEE LAWN (TYP)

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L1.04	29	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L1.04

PLOT DATE : 7/30/2024 8:50 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

2

2

N

0 10 20 Feet

LEGEND

BEE LAWN

(2) QE

(1) UM

(3) CP

(1) OV

113'SB'

113'NB'

114'SB'

114'NB'

115'SB'

115'NB'

116'SB'

116'NB'

F

SEE PERENNIAL ENLARGEMENT SHEET L2.03

G

SEE PERENNIAL ENLARGEMENT SHEET L2.04

HAMMOND AVENUE

BEE LAWN (TYP)

N 24TH STREET

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L1.05	30	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L1.05

PLOT DATE : 7/30/2024 8:50 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N

0 10 20 Feet

LEGEND

BEE LAWN

N 23RD STREET

SEE PERENNIAL ENLARGEMENT SHEET L2.04

MATCHLINE

116'SB'

116'NB'

117'SB'

117'NB'

118'SB'

118'NB'

119'SB'

119'NB'

(2) QR

(1) UM

(1) GK

(3) QR

(1) GK

HAMMOND AVENUE

G

BEE LAWN (TYP)

N 23RD STREET

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L1.06

E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L1.06

PLOT DATE : 7/30/2024 8:50 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

2

2

N

0 10 20 Feet

LEGEND

BEE LAWN

BEE LAWN (TYP)

N 22ND STREET

MATCHLINE

119'SB'

119'NB'

H

SEE PERENNIAL ENLARGEMENT SHEET L2.04

MATCHLINE

120'SB'

120'NB'

I

SEE PERENNIAL ENLARGEMENT SHEET L2.05

(2) QE

(1) TA

121'SB'

121'NB'

(1) TA

122'SB'

122'NB'

HAMMOND AVENUE

FAXON STREET

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L1.07	32	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L1.07

PLOT DATE : 7/30/2024 8:50 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N

0 10 20 Feet

LEGEND

BEE LAWN

122'SB'

122'NB'

123'SB'

123'NB'

124'SB'

124'NB'

125'SB'

125'NB'

(1) OV

(2) CP

(1) OV

MATCHLINE

J

SEE PERENNIAL ENLARGEMENT SHEET L2.05

SEE PERENNIAL ENLARGEMENT SHEET L2.06

HAMMOND AVENUE

BEE LAWN (TYP)

N 22ND STREET

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L1.08	33	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L1.08

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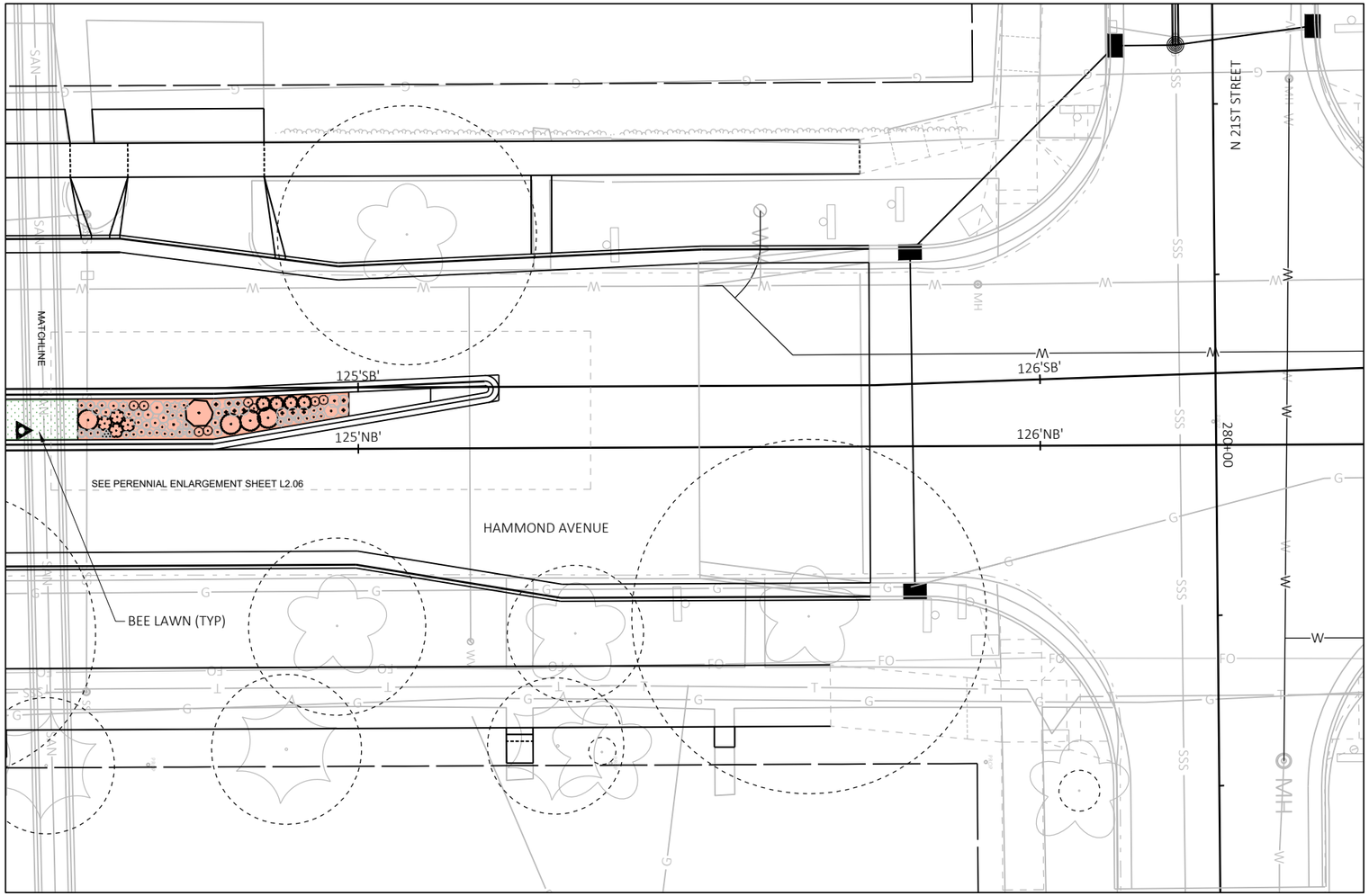
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N

0 10 20 Feet

LEGEND

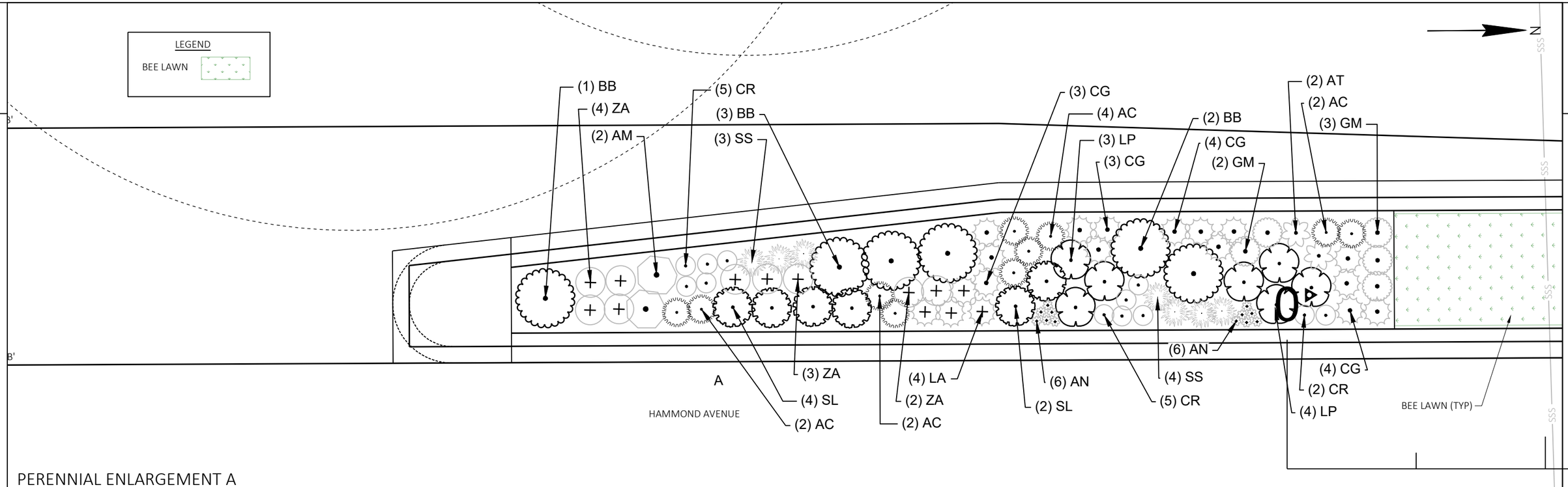
BEE LAWN



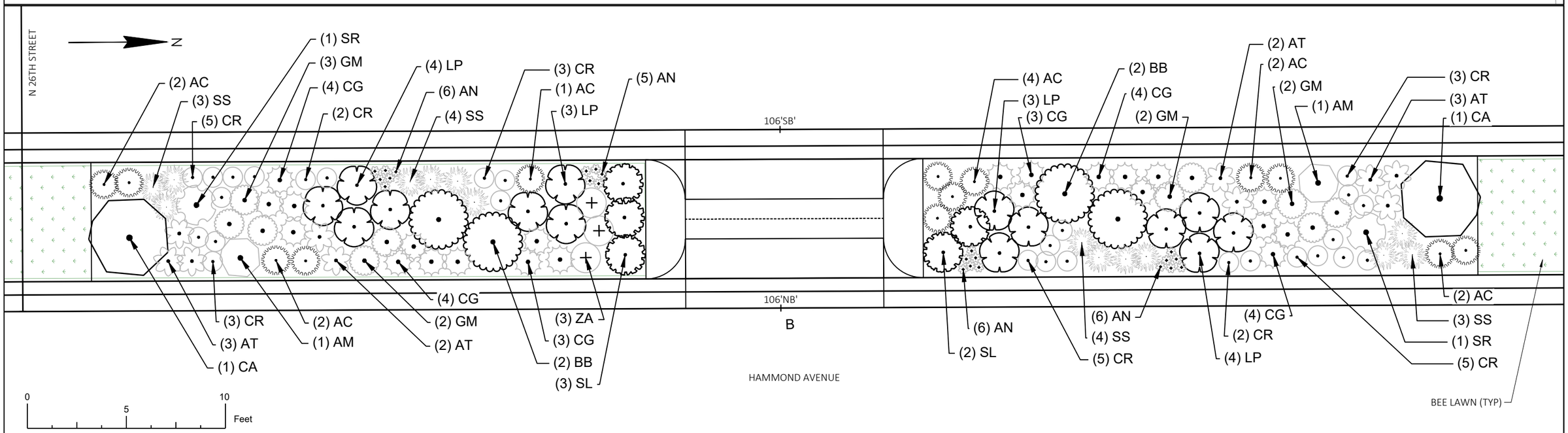
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LEGEND

BEE LAWN

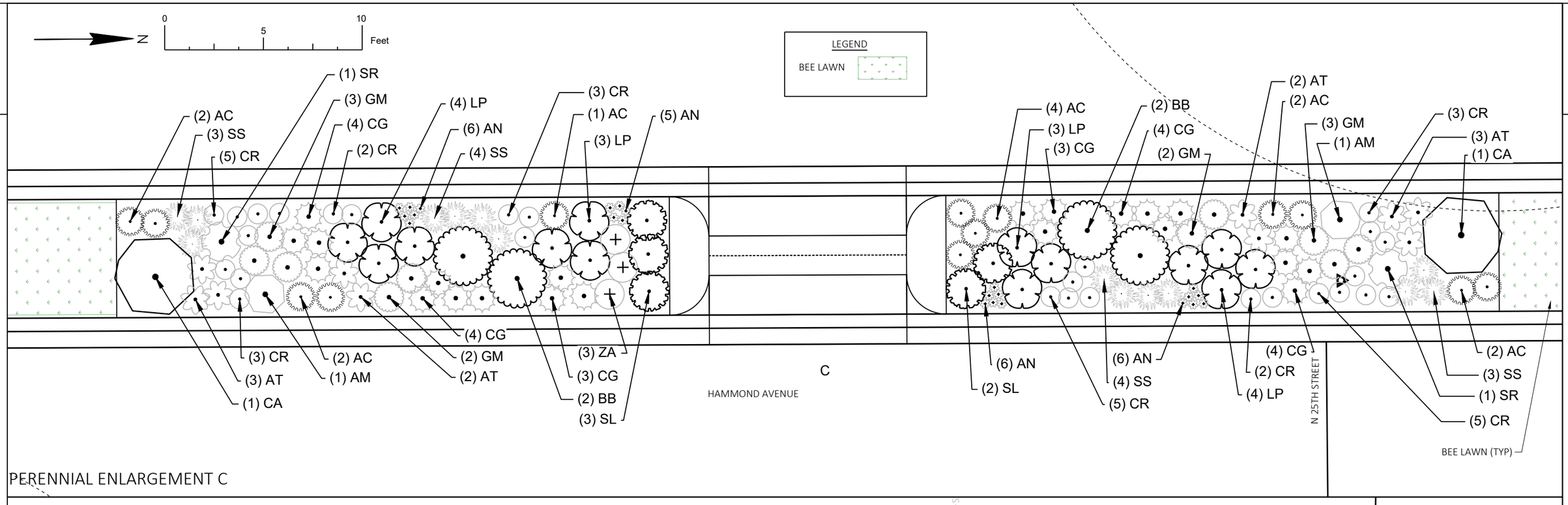


PERENNIAL ENLARGEMENT A

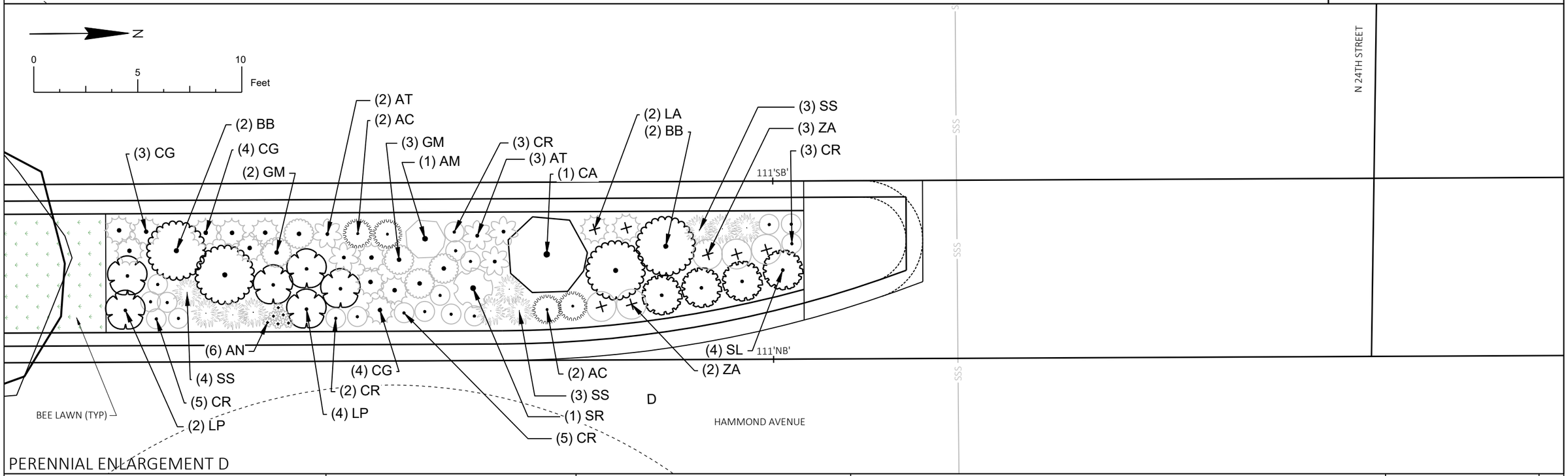


PERENNIAL ENLARGEMENT B

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L2.01 35	E



PERENNIAL ENLARGEMENT C



PERENNIAL ENLARGEMENT D

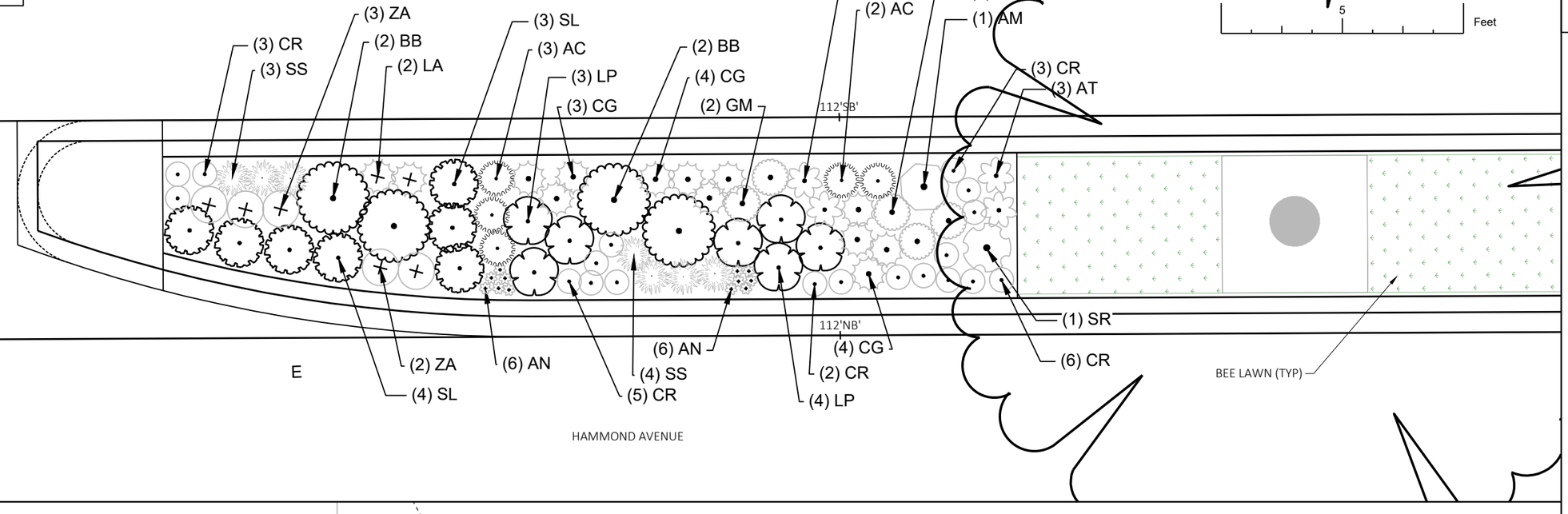
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FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
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PLOT DATE : 7/30/2024 8:50 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : ##########

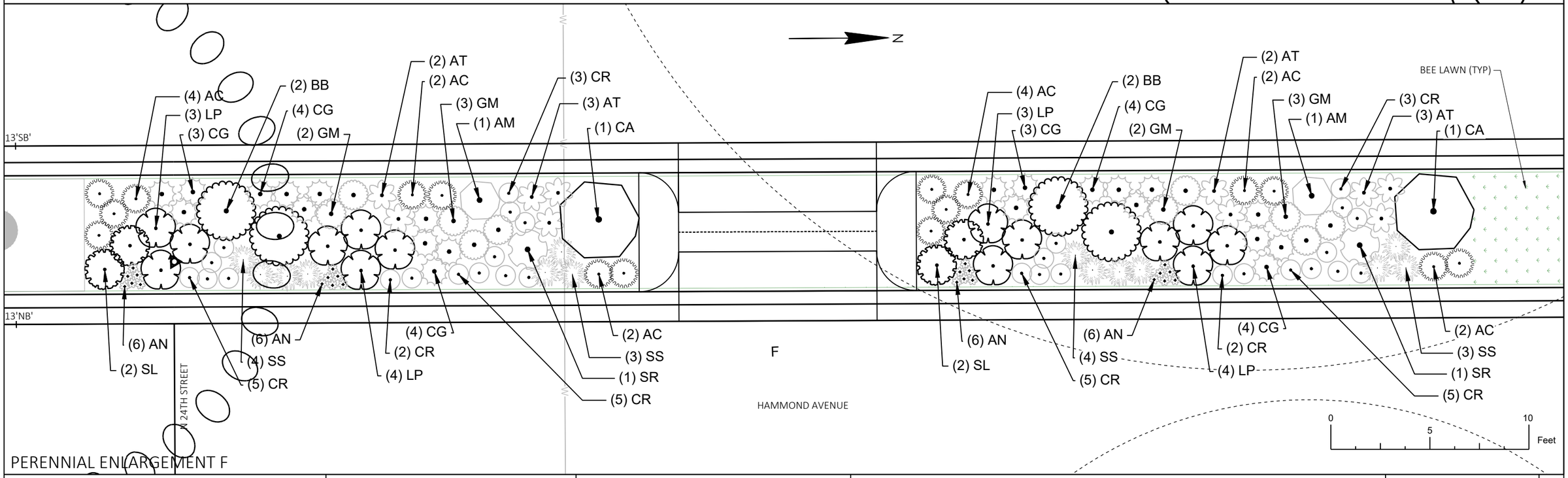
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LEGEND

BEE LAWN

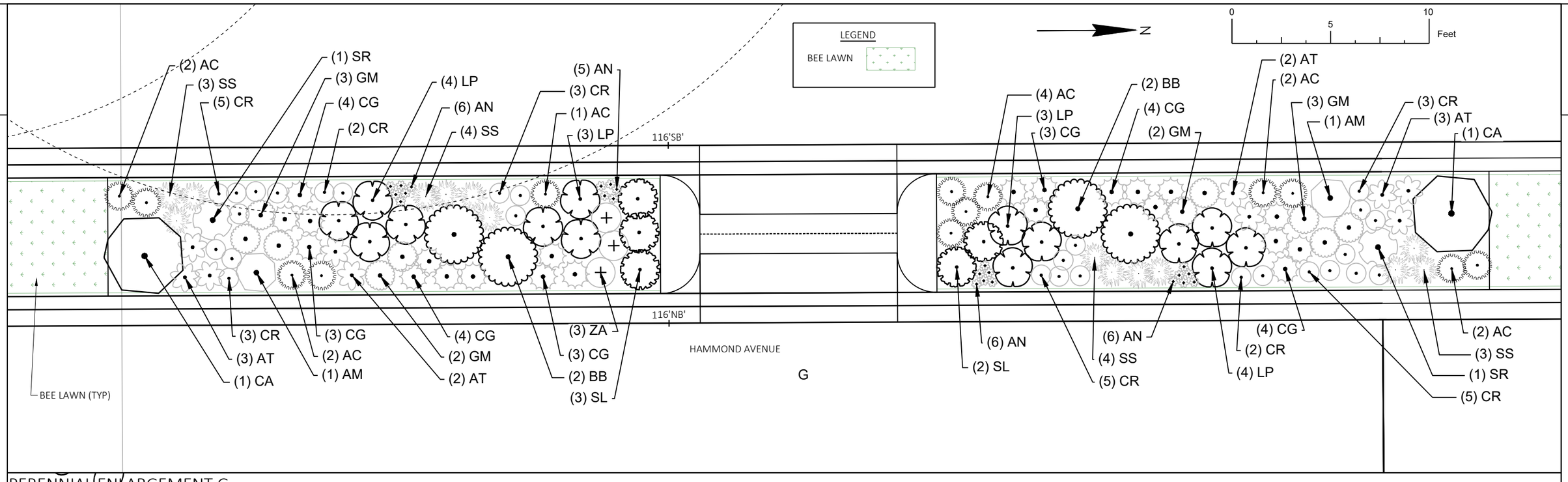


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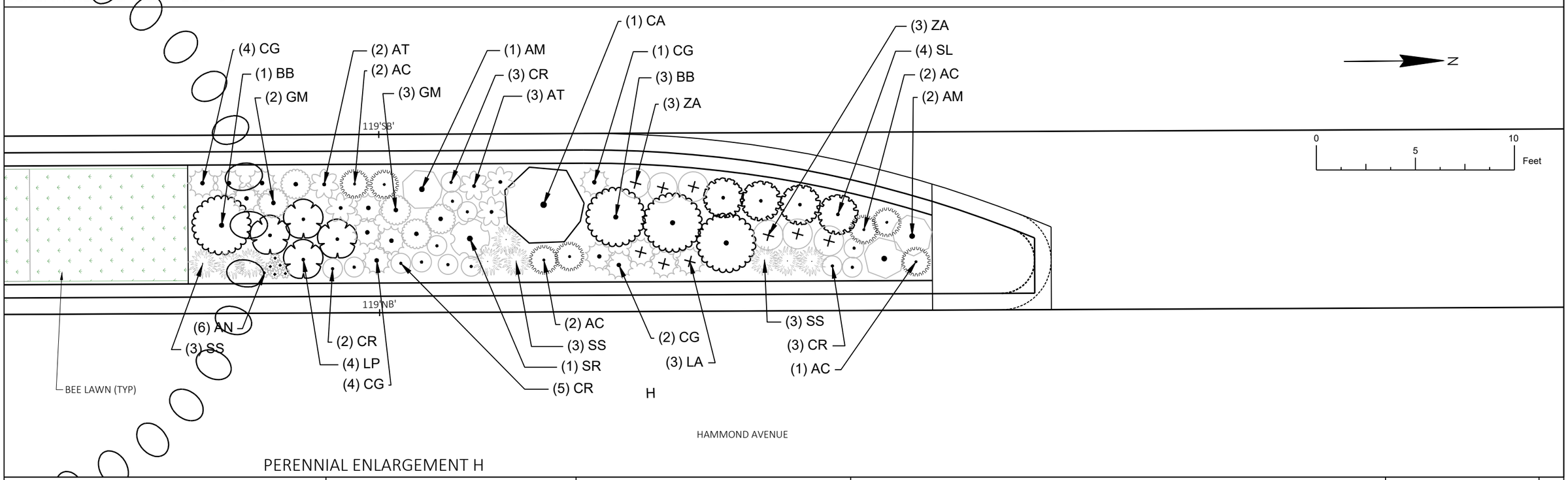


PERENNIAL ENLARGEMENT F

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L2.03 37	E



PERENNIAL ENLARGEMENT G

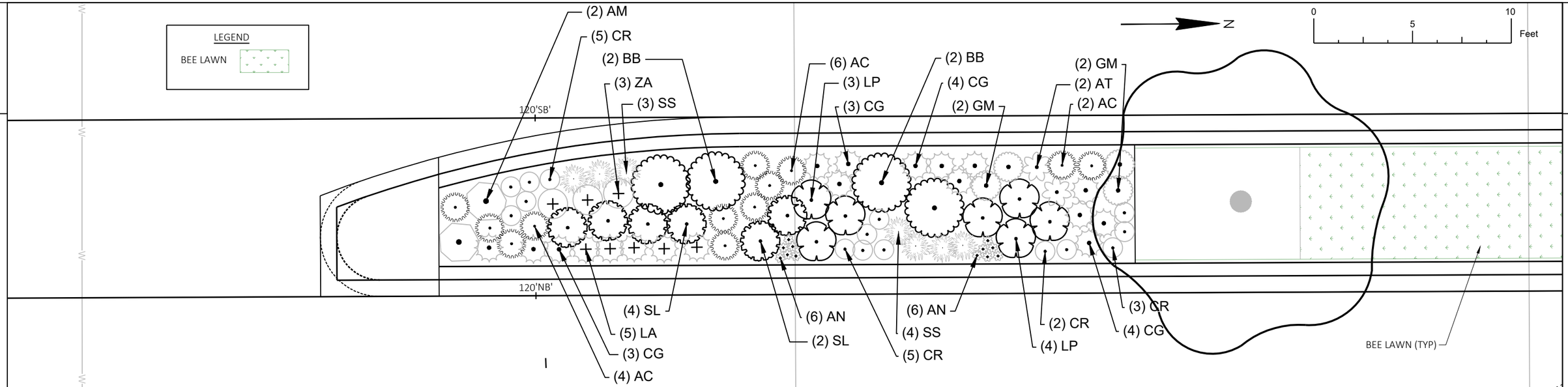


PERENNIAL ENLARGEMENT H

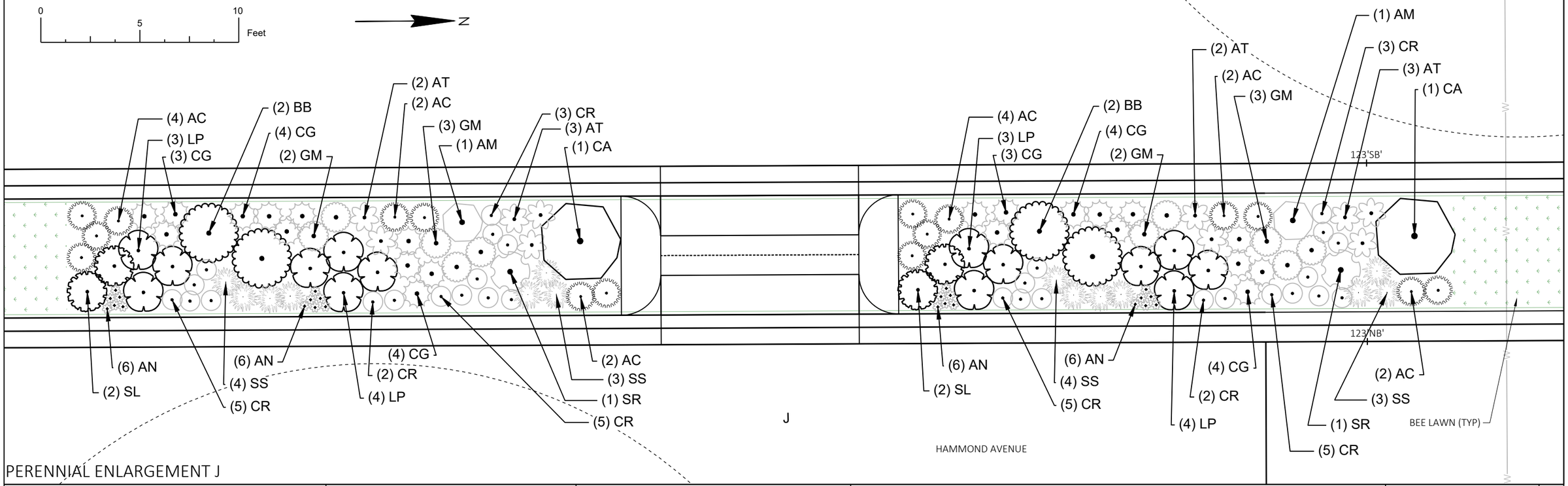
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E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L2.04
PLOT DATE : 7/30/2024 8:51 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



PERENNIAL ENLARGEMENT I



PERENNIAL ENLARGEMENT J

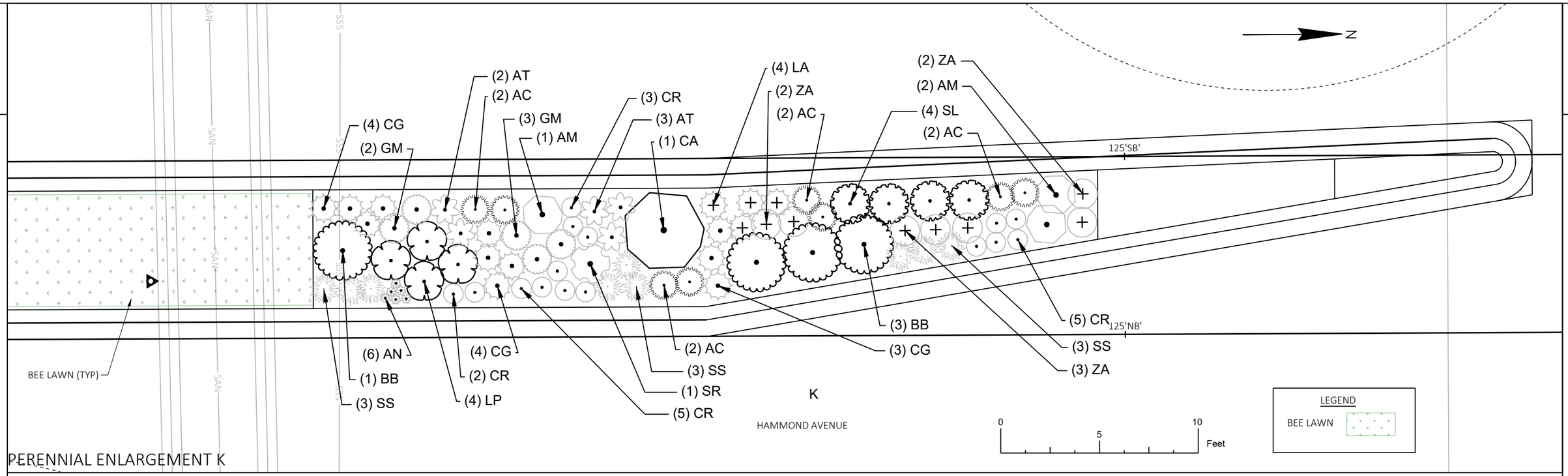
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E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L2.05

PLOT DATE : 7/30/2024 8:51 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



PERENNIAL ENLARGEMENT K

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	LANDSCAPING PLAN	SHEET L2.06 40	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021101_LS.DWG
LAYOUT NAME - L2.06

PLOT DATE : 7/30/2024 8:51 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

2

PLANTING NOTES

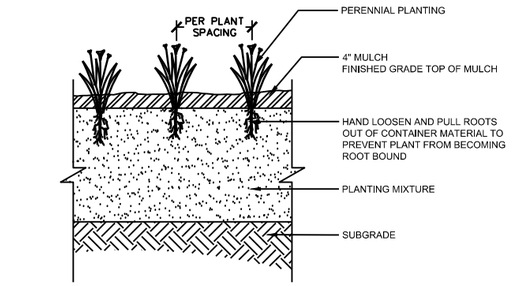
1. EXISTING TREES FOUND ON SITE SHALL BE PROTECTED AND SAVED UNLESS NOTED TO BE REMOVED OR ARE LOCATED IN AN AREA TO BE GRADED. QUESTIONS REGARDING EXISTING PLANT MATERIAL SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND ENGINEER PRIOR TO REMOVAL. REFER TO SPECIAL PROVISION ITEM SPV.0060.06 'TREE PLANTING, RESERVATION, AND PROTECTION' FOR FURTHER GUIDANCE.
2. LANDSCAPE WORK TO COMPLY WITH WISCONSIN DOT STANDARD SPECIFICATION SECTIONS:

- 625 - TOPSOIL AND SALVAGED TOPSOIL
- 627 - MULCHING
- 629 - FERTILIZER AND AGRICULUTRAL LIMESTONE
- 630 - SEEDING
- 632 - FURNISHING AND PLANTING PLANT MATERIALS.

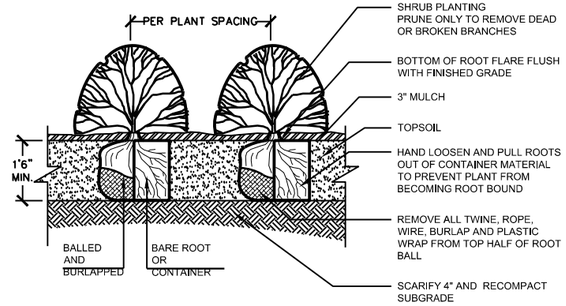
3. THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES SHALL BE STAKED BY THE CONTRACTOR IN ADVANCE OF INSTALLATION. FLAGGING, STAKES, OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. THE LANDSCAPE ARCHITECT WILL REVIEW THESE LOCATIONS WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY.
4. THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING THE PLANT MATERIAL QUANTITIES REQUIRED BY THE LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
5. SALVAGE TOPSOIL FROM THE EARTHWORK AREAS AS APPROPRIATE AND/OR AS DIRECTED BY LANDSCAPE ARCHITECT AND STOCKPILE FOR REUSE IN LOCATION APPROVED BY OWNER.
6. AREAS UNDER PLANTING BEDS SHALL NOT CONTAIN COMPACTED AGGREGATE TO ALLOW FOR PROPER DRAINAGE AND GROWTH OF PLANT MATERIAL. REMOVE AGGREGATE AND PERFORM SUB-SOILING AS NECESSARY TO OBTAIN LOOSE, FREE DRAINING SUB-GRADE BELOW PLANTING BEDS. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS.
7. CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS.
8. ALL SEED AREAS SHALL RECEIVE A MINIMUM OF 6" DEPTH OF TOPSOIL.
9. ALL PLANTING BEDS SHALL RECEIVE 18" DEPTH OF PREPARED SOIL.
10. SEED AND/OR PLUG PLANTING SHALL OCCUR IN DESIGNATED PLANTING WINDOWS, SEE SPECIFICATIONS.
11. PAINT OR STAKE LIMITS OF SEEDING FOR REVIEW BY LANDSCAPE ARCHITECT & OWNER PRIOR TO SEEDING.
12. NEW SEEDED AREAS TO BE TREATED WITH HERBICIDE TO KILL ALL EXISTING GROUNDCOVER. THERE SHALL BE A MINIMUM OF TWO (2) APPLICATIONS SEPARATED BY 10 DAYS. IF ALL EXISTING GROUNDCOVER VEGETATION IS NOT KILLED WITHIN 10 DAYS OF 2ND APPLICATION, A 3RD APPLICATION IS REQUIRED.
13. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
14. ALL PLANTING BEDS AND PLANTED TREES SHALL BE MULCHED WITH 3" DEEP SHREDDED HARDWOOD MULCH PER PLANTING DETAILS. MULCH SHALL BE CONSIDERED INCIDENTAL TO PLANT MATERIALS.
15. NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL BY THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL AND SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION.
16. CONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS FOR A PERIOD OF TWO-YEARS FROM SUBSTANTIAL COMPLETION. SEE WIS DOT STANDARD SPECIFICATION 632 - 'FURNISHING AND PLANTING PLANT MATERIALS' FOR FURTHER GUIDANCE
17. IF CARE SPECIALIST FAILS TO PERFORM ANY OF THE REQUIRED CARE CYCLES AS SPECIFIED IN WIS DOT SECTION 632.3.19.1, THE CITY WILL ASSESS DAILY DAMAGES IN AMOUNT INDICATED IN 'LANDSCAPE PLANTING SURVEILLANCE AND CARE CYLES' CONTRACT SPECIAL PROVISION. DAMAGES WILL BE ASSESSED FOR EACH DAY THE REQUIREMENT OF THE CARE CYCLE REMAINS INCOMPLETE.

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	QTY
TREES				
	CP	CELTIS OCCIDENTALIS 'JFS-KSU1' / PRAIRIE SENTINEL® HACKBERRY	2.5" CAL	8
	GK	GYMNOCLADUS DIOICA / KENTUCKY COFFEETREE	2.5" CAL	10
	OV	OSTRYA VIRGINIANA / AMERICAN HOPHORNBEAM	2.5" CAL	3
	QR	QUERCUS ROBUR X BICOLOR `LONG` / REGAL PRINCE® OAK	2.5" CAL	5
	QE	QUERCUS X 'CRIMSCHMIDT' / CRIMSON SPIRE™ OAK	2.5" CAL	4
	TA	TILIA AMERICANA `BOULEVARD` / BOULEVARD AMERICAN LINDEN	2.5" CAL	8
	UM	ULMUS X 'MORTON' / ACCOLADE™ ELM	2.5" CAL	8
SHRUBS				
	CA	CEANOTHUS AMERICANUS / NEW JERSEY TEA	2 GAL	13
PERENNIALS				
	AN	ALLIUM CERNUUM / NODDING ONION	1 GAL.	171
	AM	AMORPHA CANESCENS / LEADPLANT	1 GAL.	22
	AC	AQUILEGIA CANADENSIS / EASTERN COLUMBINE	1 GAL.	117
	AT	ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED	1 GAL.	73
	BB	BAPTISIA BRACTEATA LEUCOPHAEA / LONGBRACT WILD INDIGO	1 GAL.	46
	CR	CAMPANULA ROTUNDIFOLIA / HAREBELL	1 GAL.	236
	CG	COREOPSIS GRANDIFLORA `DOUBLE SUNBURST` / DOUBLE SUNBURST TICKSEED	1 GAL.	182
	GM	GERANIUM MACULATUM / SPOTTED GERANIUM	1 GAL.	79
	LA	LIATRIS ASPERA / ROUGH BLAZING STAR	1 GAL.	20
	LP	LUPINUS PERENNIS / WILD LUPINE	1 GAL.	105
	SR	SOLIDAGO RIGIDA / STIFF GOLDENROD	1 GAL.	14
	SL	SYMPHYOTRICHUM LAEVE / SMOOTH ASTER	1 GAL.	54
	ZA	ZIZIA AUREA / GOLDEN ALEXANDER	1 GAL.	44
GRASSES				
	SS	SCHIZACHYRIUM SCOPARIUM / LITTLE BLUESTEM	1 GAL.	119
SEED MIX				
		BEE LAWN SEED MIX	7,832 sqft	

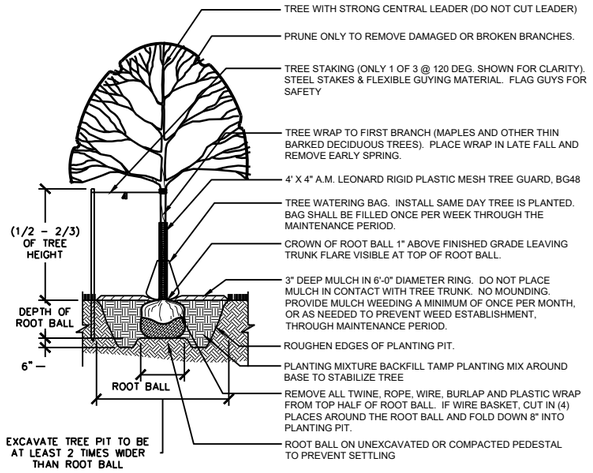


1 PERENNIAL PLANTING DETAIL
1" = 1'-0"

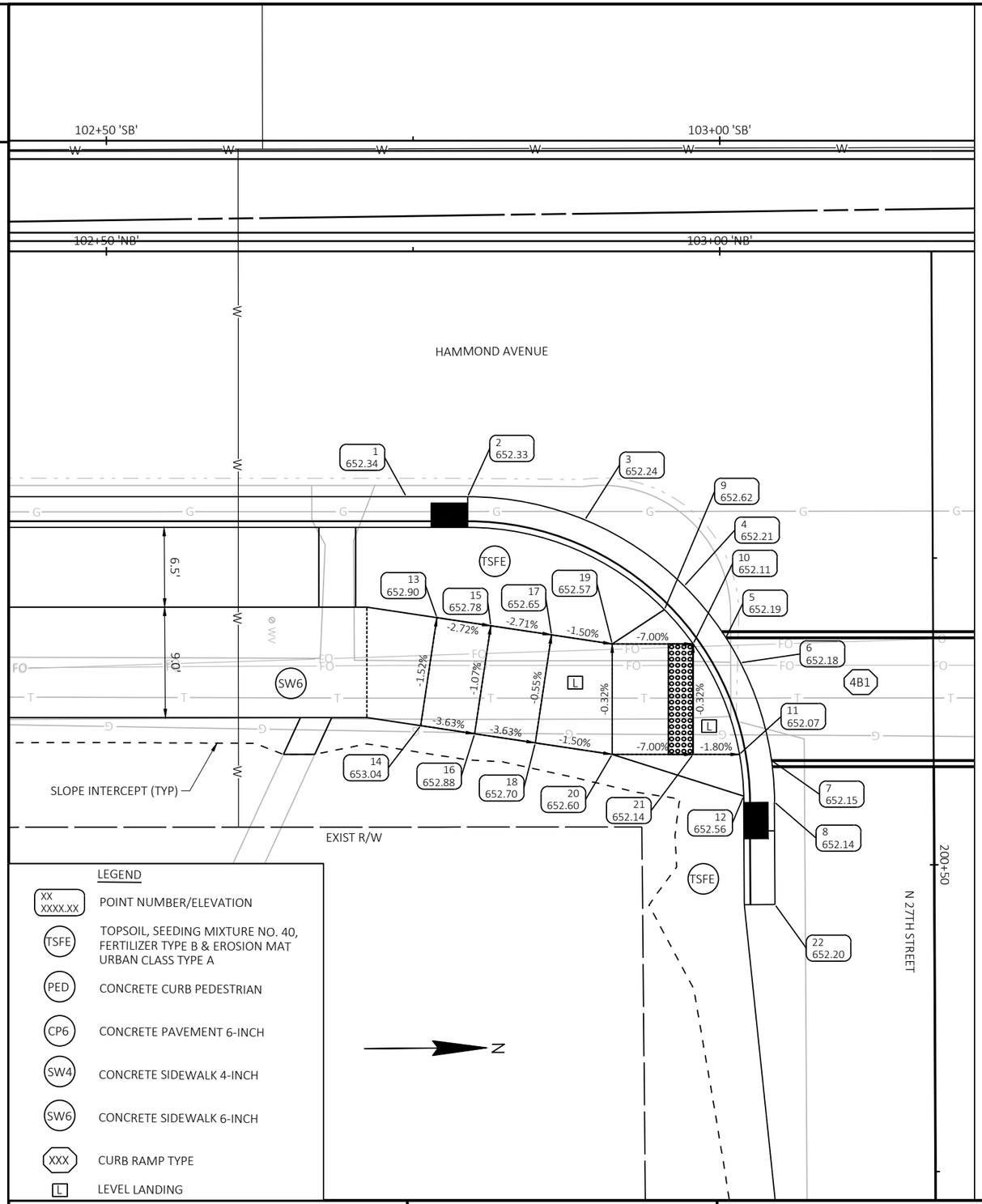


BAREROOT PLANTING NOTES:
1. SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR BUT NOT MORE THAN 24 HOURS PRIOR TO PLANTING.
2. SCARIFY SIDES AND BOTTOMS OF HOLE.
3. PROCEED WITH CORRECTIVE PRUNING OF THE TOP AND BOTTOM ROOTS.
4. TRANSFER PLANT DIRECTLY FROM WATER TO HOLE. SET PLANT SO THE ROOT FLARE IS APPROXIMATELY AT THE FINISHED SOIL ELEVATION. SPREAD ROOTS OUT EVENLY. PLUMB AND IMMEDIATELY BACKFILL WITH PLANTING SOIL MIX.
5. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
6. BACKFILL VOIDS AND WATER SECOND TIME.
7. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

2 SHRUB PLANTING
1/2" = 1'-0"
329333-02



3 TREE PLANTING
1/4" = 1'-0"
329343-01



GENERAL CONSTRUCTION NOTES:

SLOPE ARROWS DO NOT DENOTE THE DIRECTION OF WATER FLOW RATHER THEY SHOW THE DIRECTION THAT THE ARROWS WERE DRAWN. NEGATIVE (-) VALUES DENOTE DOWNWARD SLOPE, POSITIVE (+) VALUES DENOTE UPWARD SLOPES.

DETECTABLE WARNING ARE 2 FT WIDE AND 5 FT LONG.

CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MUST ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.

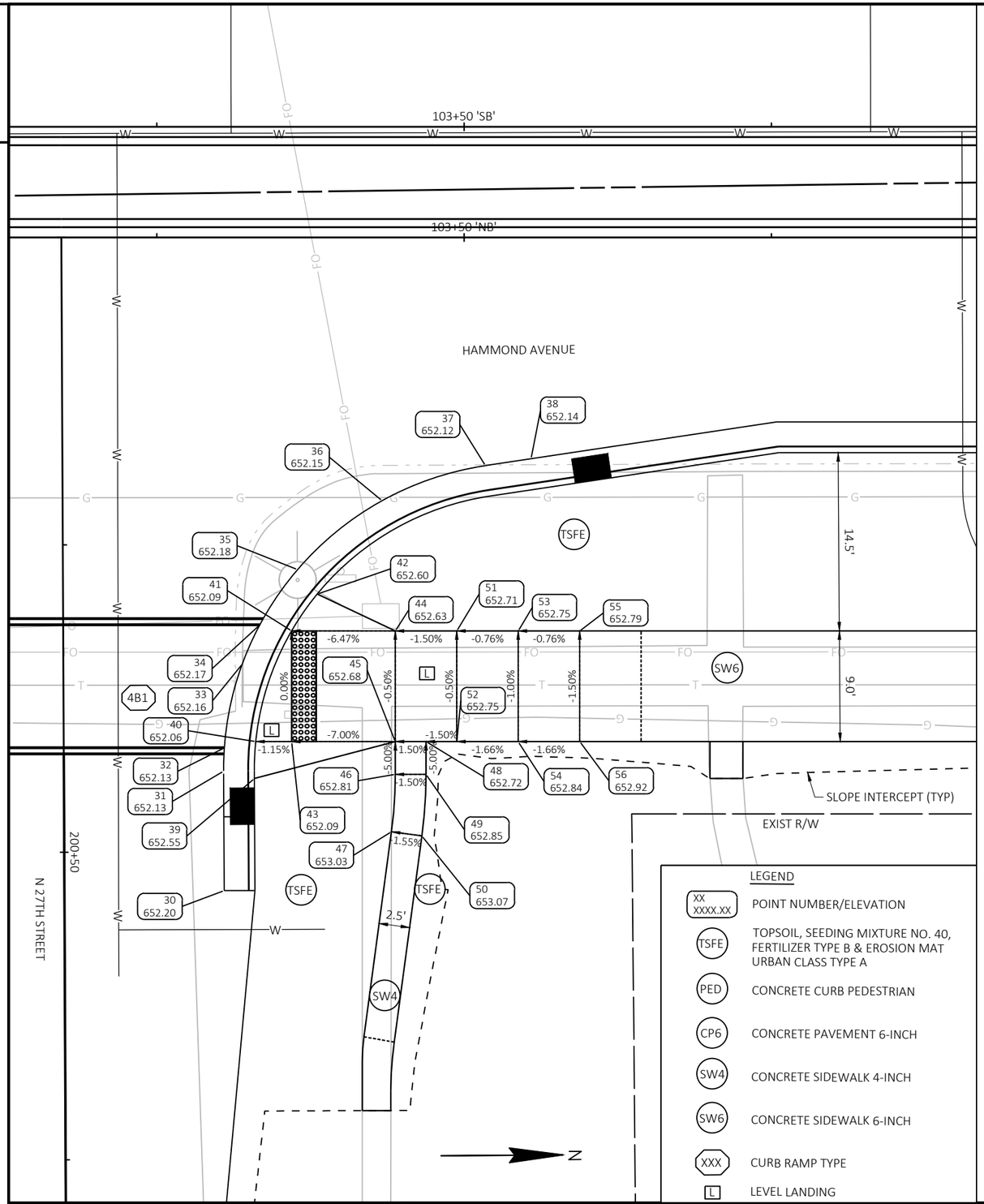
SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE HAMMOND AVENUE 'NB' R/L.

DASHED LINES REPRESENT JOINT LOCATIONS. THE ENGINEER MAY ADJUST LOCATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.

THE EXISTING TOPOGRAPHIC BASEMAP USED FOR DESIGN WAS CREATED BY FLOWN AND PHOTOGRAMMETRY METHODS. DUE TO ALLOWABLE TOLERANCES WITH FLOWN DATA, THE CONTRACTOR SHALL DETERMINE AND MAKE ADJUSTMENTS TO THE PROPOSED IMPROVEMENTS SHOWN IN THE PLANS TO FIT ACTUAL FIELD CONDITIONS.

N 27TH STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1	102+74.44	20.00' RT	652.34	300428.91	148526.21
2	102+79.45	20.00' RT	652.33	300433.92	148526.25
3	102+88.99	21.89' RT	652.24	300443.45	148528.20
4	102+97.09	27.28' RT	652.21	300451.50	148533.65
5	103+00.49	31.50' RT	652.19	300454.88	148537.89
6	103+01.67	33.54' RT	652.18	300456.04	148539.94
7	103+04.20	41.50' RT	652.15	300458.52	148547.92
8	103+04.45	44.89' RT	652.14	300458.75	148551.31
9	102+95.48	29.21' RT	652.62	300449.88	148535.57
10	102+97.81	32.00' RT	652.11	300452.20	148538.37
11	103+01.59	41.00' RT	652.07	300455.91	148547.40
12	103+01.94	44.40' RT	652.56	300456.24	148550.80
13	102+76.94	29.86' RT	652.90	300431.34	148536.09
14	102+75.62	38.66' RT	653.04	300429.96	148544.88
15	102+81.33	30.52' RT	652.78	300435.73	148536.78
16	102+80.01	39.32' RT	652.88	300434.34	148545.57
17	102+86.28	31.26' RT	652.65	300440.67	148537.55
18	102+84.95	40.06' RT	652.70	300439.28	148546.34
19	102+91.22	32.00' RT	652.57	300445.60	148538.33
20	102+91.22	41.00' RT	652.60	300445.54	148547.33
21	102+97.81	41.00' RT	652.14	300452.14	148547.37
22	103+04.49	53.24' RT	652.20	300458.73	148559.66

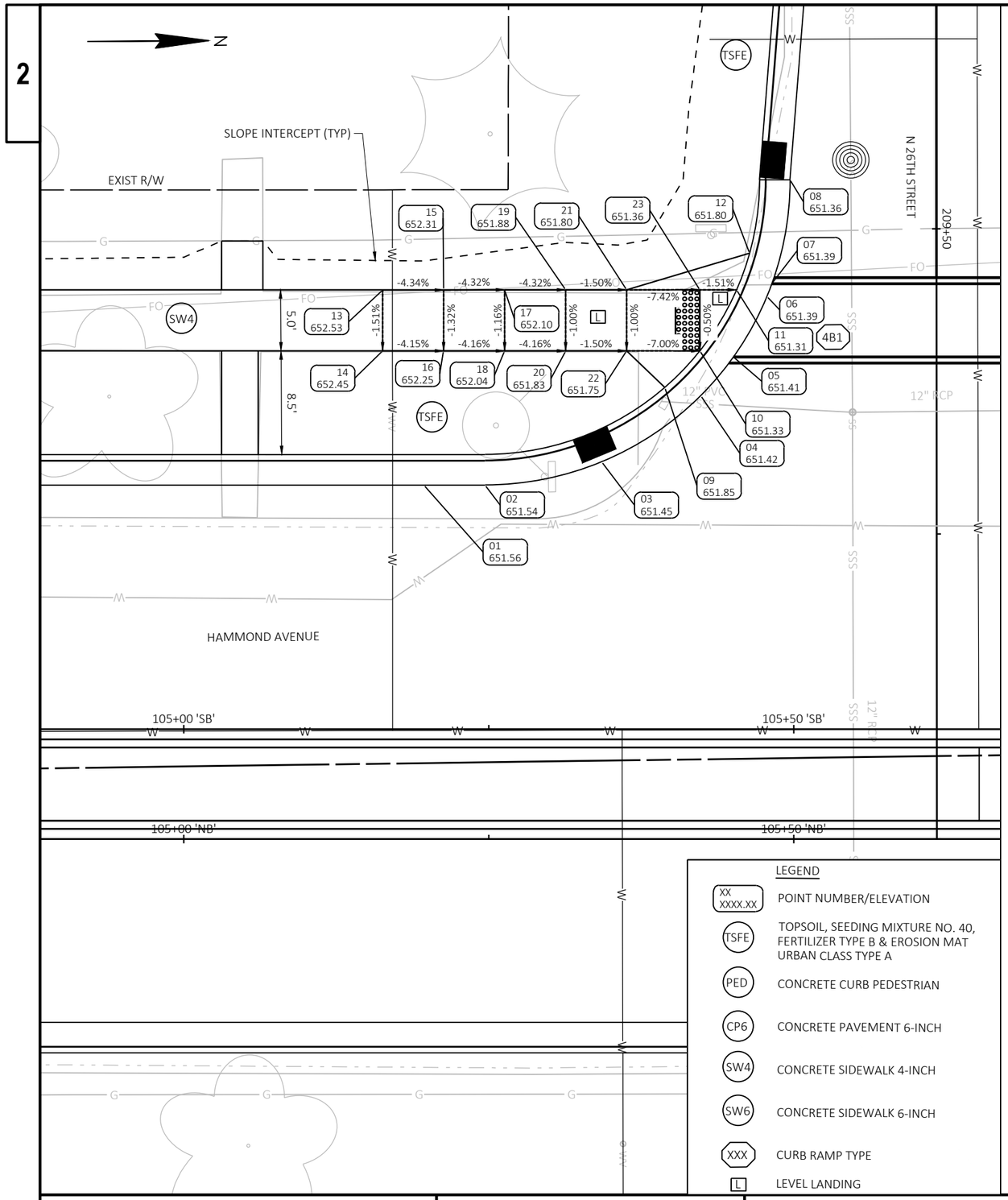


LEGEND

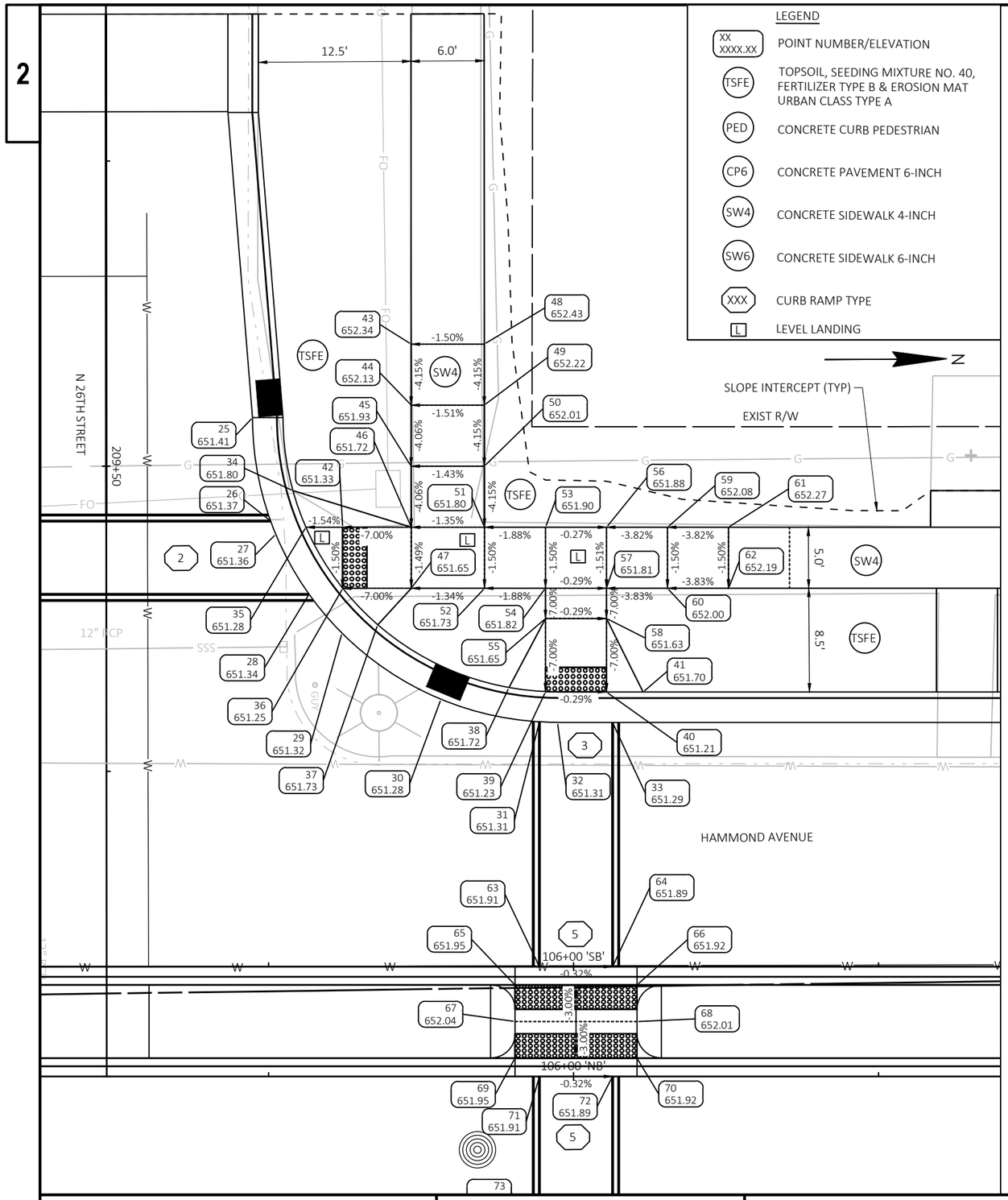
XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
SW4	CONCRETE SIDEWALK 4-INCH
SW6	CONCRETE SIDEWALK 6-INCH
XXX	CURB RAMP TYPE
L	LEVEL LANDING

N 27TH STREET NORTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
30	103+30.49	53.12' RT	652.20	300484.73	148559.72
31	103+30.44	43.40' RT	652.13	300484.75	148550.00
32	103+30.51	41.50' RT	652.13	300484.82	148548.10
33	103+31.98	34.66' RT	652.16	300486.34	148541.27
34	103+33.39	31.50' RT	652.17	300487.78	148538.12
35	103+36.46	27.01' RT	652.18	300490.88	148533.65
36	103+43.34	21.41' RT	652.15	300497.79	148528.10
37	103+51.73	18.56' RT	652.12	300506.21	148525.30
38	103+55.44	18.00' RT	652.14	300509.92	148524.77
39	103+32.95	44.00' RT	652.55	300487.25	148550.62
40	103+33.06	41.00' RT	652.06	300487.38	148547.62
41	103+35.97	32.00' RT	652.09	300490.36	148538.64
42	103+38.06	29.00' RT	652.60	300492.46	148535.65
43	103+35.97	41.00' RT	652.09	300490.30	148547.64
44	103+44.41	32.00' RT	652.63	300498.79	148538.70
45	103+44.41	41.00' RT	652.68	300498.73	148547.70
46	103+44.41	43.65' RT	652.81	300498.71	148550.35
47	103+44.10	48.32' RT	653.03	300498.37	148555.02
48	103+46.91	41.00' RT	652.72	300501.23	148547.71
49	103+46.91	43.65' RT	652.85	300501.21	148550.37
50	103+46.56	48.66' RT	653.07	300500.83	148555.37
51	103+49.41	32.00' RT	652.71	300503.79	148538.73
52	103+49.41	41.00' RT	652.75	300503.73	148547.73
53	103+54.41	32.00' RT	652.75	300508.79	148538.77
54	103+54.41	41.00' RT	652.84	300508.73	148547.77
55	103+59.41	32.00' RT	652.79	300513.79	148538.80
56	103+59.41	41.00' RT	652.92	300513.73	148547.80

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 27TH STREET	SHEET 43	E

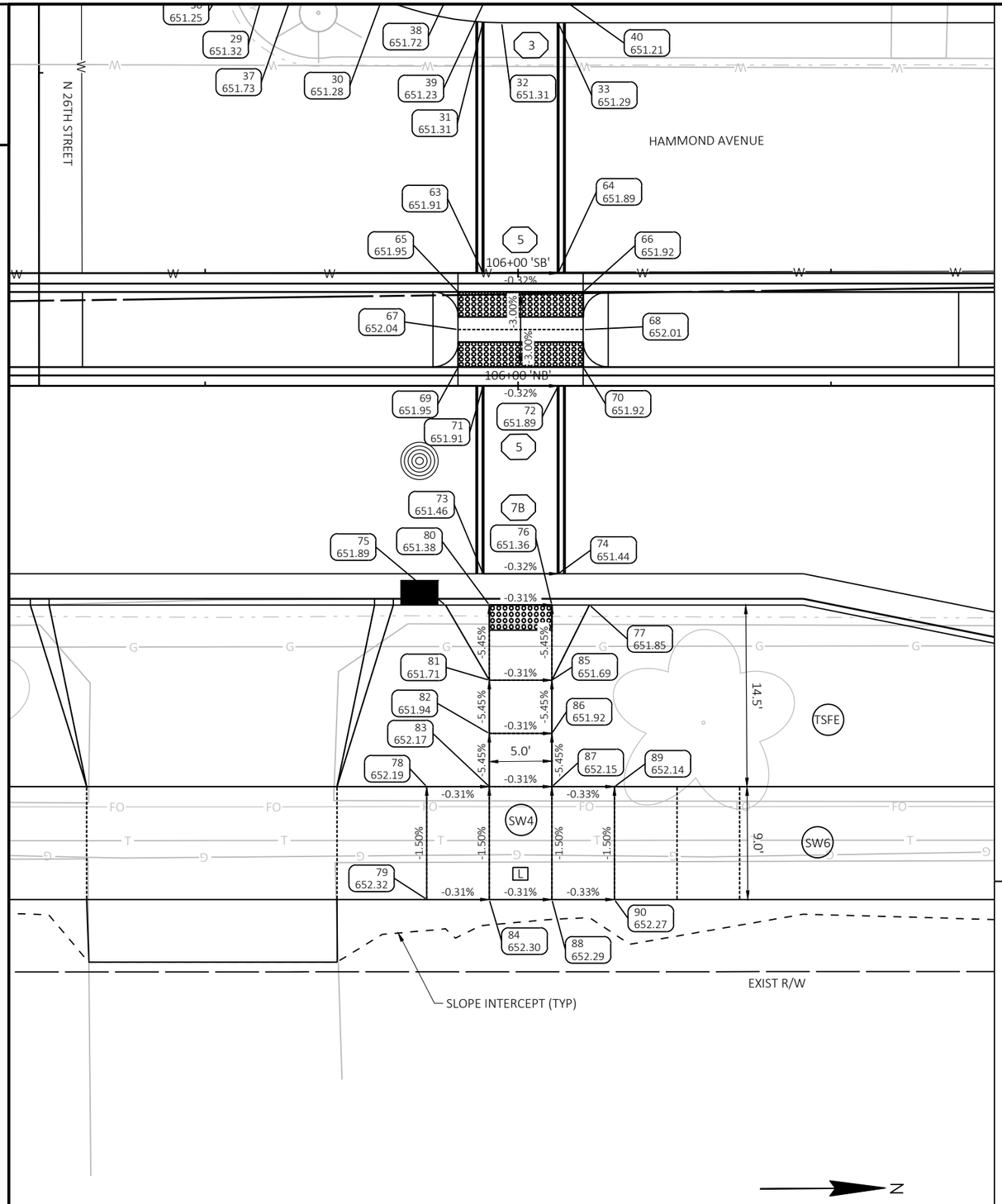


N 26TH STREET SOUTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	105+19.69	29.00' LT	651.56	300674.49	148478.92
02	105+24.69	29.00' LT	651.54	300679.49	148478.95
03	105+34.26	30.91' LT	651.45	300689.08	148477.11
04	105+42.38	36.32' LT	651.42	300697.24	148471.75
05	105+45.06	39.50' LT	651.41	300699.93	148468.59
06	105+47.79	44.45' LT	651.39	300702.70	148463.66
07	105+48.20	45.50' LT	651.39	300703.12	148462.61
08	105+49.69	54.02' LT	651.36	300704.67	148454.10
09	105+39.43	37.00' LT	651.85	300694.29	148471.05
10	105+42.30	40.00' LT	651.33	300697.18	148468.07
11	105+45.31	45.00' LT	651.31	300700.22	148463.09
12	105+46.38	48.00' LT	651.80	300701.31	148460.10
13	105+16.30	44.99' LT	652.53	300671.22	148462.90
14	105+16.30	40.00' LT	652.45	300671.18	148467.89
15	105+21.30	44.99' LT	652.31	300676.22	148462.94
16	105+21.29	40.00' LT	652.25	300676.17	148467.93
17	105+26.30	45.00' LT	652.10	300681.22	148462.96
18	105+26.30	40.00' LT	652.04	300681.18	148467.96
19	105+31.30	45.00' LT	651.88	300686.22	148463.00
20	105+31.30	40.00' LT	651.83	300686.18	148468.00
21	105+36.30	45.00' LT	651.80	300691.22	148463.03
22	105+36.30	40.00' LT	651.75	300691.18	148468.03
23	105+42.30	45.00' LT	651.36	300697.22	148463.07



N 26TH STREET NORTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
25	105+73.69	53.98' LT	651.41	300728.67	148454.31
26	105+75.18	45.50' LT	651.37	300730.10	148462.80
27	105+75.60	44.42' LT	651.36	300730.51	148463.89
28	105+78.32	39.50' LT	651.34	300733.20	148468.82
29	105+81.02	36.32' LT	651.32	300735.87	148472.03
30	105+89.13	30.90' LT	651.28	300743.94	148477.50
31	105+97.20	29.04' LT	651.31	300752.00	148479.41
32	105+98.69	29.00' LT	651.31	300753.49	148479.46
33	106+03.20	29.00' LT	651.29	300758.00	148479.50
34	105+77.00	48.00' LT	651.80	300731.94	148460.31
35	105+78.07	45.00' LT	651.28	300732.98	148463.32
36	105+81.08	40.00' LT	651.25	300735.95	148468.34
37	105+83.95	37.00' LT	651.73	300738.81	148471.36
38	105+94.70	31.86' LT	651.72	300749.52	148476.58
39	105+97.70	31.52' LT	651.23	300752.52	148476.94
40	106+02.70	31.50' LT	651.21	300757.52	148476.99
41	106+05.70	31.50' LT	651.70	300760.52	148477.01
42	105+81.08	45.00' LT	651.33	300735.99	148463.34
43	105+86.69	60.00' LT	652.34	300741.70	148448.38
44	105+86.70	55.00' LT	652.13	300741.68	148453.38
45	105+86.69	50.00' LT	651.93	300741.64	148458.38
46	105+86.70	45.00' LT	651.72	300741.61	148463.38
47	105+86.70	40.00' LT	651.65	300741.58	148468.38
48	105+92.69	60.00' LT	652.43	300747.70	148448.42
49	105+92.69	55.00' LT	652.22	300747.67	148453.42
50	105+92.69	50.00' LT	652.01	300747.64	148458.42
51	105+92.70	45.00' LT	651.80	300747.61	148463.42
52	105+92.70	40.00' LT	651.73	300747.58	148468.42
53	105+97.70	45.00' LT	651.90	300752.61	148463.46
54	105+97.70	40.00' LT	651.82	300752.58	148468.46
55	105+97.70	37.52' LT	651.65	300752.56	148470.94
56	106+02.70	45.00' LT	651.88	300757.61	148463.49
57	106+02.70	40.00' LT	651.81	300757.58	148468.49
58	106+02.70	37.52' LT	651.63	300757.56	148470.97
59	106+07.70	45.00' LT	652.08	300762.61	148463.53
60	106+07.70	40.00' LT	652.00	300762.58	148468.53
61	106+12.70	45.00' LT	652.27	300767.61	148463.56
62	106+12.70	40.00' LT	652.19	300767.58	148468.56

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 26TH STREET	SHEET 45	E

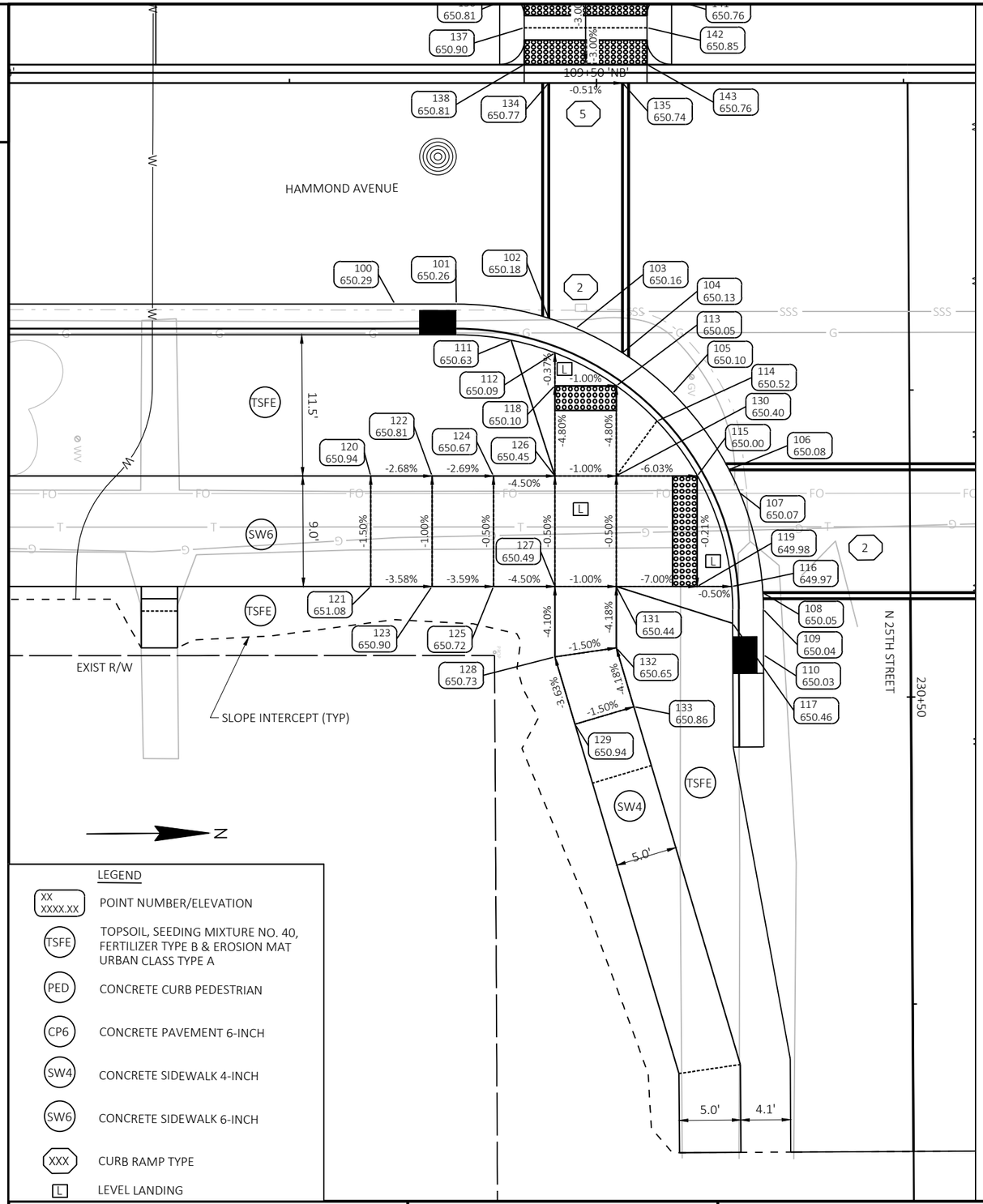


N 26TH STREET NORTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
63	105+97.20	9.00' LT	651.91	300751.86	148499.45
64	106+03.20	9.00' LT	651.89	300757.86	148499.50
65	105+95.20	7.50' LT	651.95	300749.85	148500.94
66	106+05.20	7.50' LT	651.92	300759.85	148501.01
67	105+95.20	4.50' LT	652.04	300749.83	148503.94
68	106+05.20	4.50' LT	652.01	300759.83	148504.01
69	105+95.20	1.50' LT	651.95	300749.81	148506.94
70	106+05.20	1.50' LT	651.92	300759.81	148507.01
71	105+97.20	0.00'	651.91	300751.80	148508.45
72	106+03.20	0.00'	651.89	300757.80	148508.49
73	105+97.20	15.00' RT	651.46	300751.70	148523.45
74	106+03.20	15.00' RT	651.44	300757.70	148523.49
75	105+94.20	17.50' RT	651.89	300748.68	148525.93
76	106+02.70	17.50' RT	651.36	300757.18	148525.99
77	106+05.70	17.50' RT	651.85	300760.18	148526.01
78	105+92.70	32.00' RT	652.19	300747.08	148540.42
79	105+92.70	41.00' RT	652.32	300747.02	148549.42
80	105+97.70	17.50' RT	651.38	300752.18	148525.96
81	105+97.70	23.50' RT	651.71	300752.14	148531.96
82	105+97.70	27.75' RT	651.94	300752.11	148536.21
83	105+97.70	32.00' RT	652.17	300752.08	148540.46
84	105+97.70	41.00' RT	652.30	300752.02	148549.46
85	106+02.70	23.50' RT	651.69	300757.14	148531.99
86	106+02.70	27.75' RT	651.92	300757.11	148536.24
87	106+02.70	32.00' RT	652.15	300757.08	148540.49
88	106+02.70	41.00' RT	652.29	300757.02	148549.49
89	106+07.70	32.00' RT	652.14	300762.08	148540.53
90	106+07.70	41.00' RT	652.27	300762.02	148549.53

LEGEND

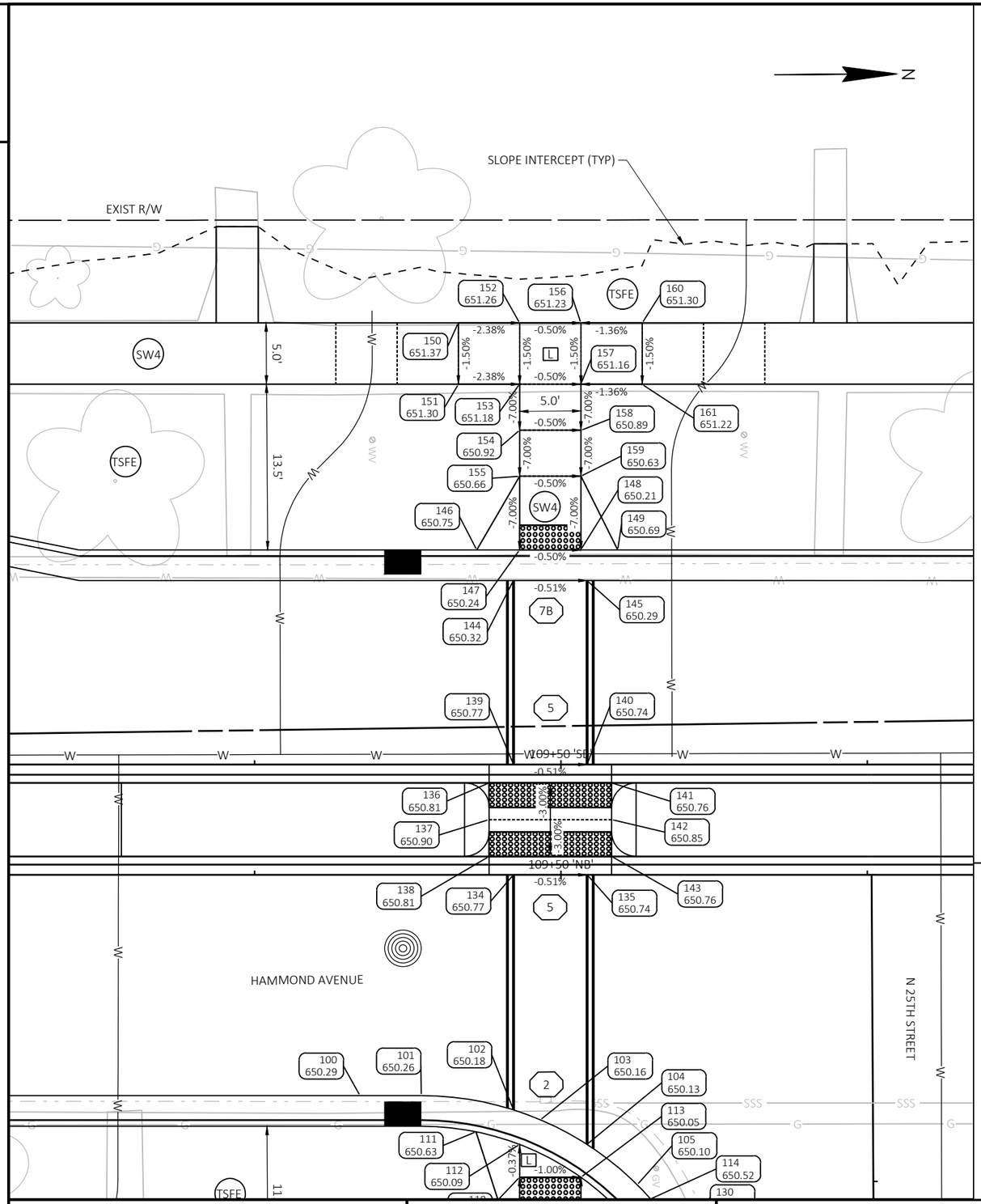
- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 26TH STREET	SHEET 46	E



N 25TH STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	109+33.59	18.00' RT	650.29	301088.05	148528.79
101	109+38.59	18.00' RT	650.26	301093.05	148528.82
102	109+46.12	19.16' RT	650.18	301100.58	148530.04
103	109+48.32	19.97' RT	650.16	301102.77	148530.86
104	109+52.12	21.98' RT	650.13	301106.56	148532.90
105	109+56.21	25.27' RT	650.10	301110.63	148536.22
106	109+60.78	31.50' RT	650.08	301115.16	148542.48
107	109+61.64	33.34' RT	650.07	301116.00	148544.32
108	109+63.54	41.50' RT	650.05	301117.84	148552.50
109	109+63.58	42.86' RT	650.04	301117.88	148553.86
110	109+63.61	46.57' RT	650.03	301117.87	148557.56
111	109+43.06	20.95' RT	650.63	301097.50	148531.80
112	109+46.62	21.98' RT	650.09	301101.06	148532.86
113	109+51.62	24.66' RT	650.05	301106.04	148535.57
114	109+54.93	27.53' RT	650.52	301109.33	148538.47
115	109+58.21	32.00' RT	650.00	301112.58	148542.96
116	109+61.00	41.00' RT	649.97	301115.30	148551.98
117	109+61.09	44.00' RT	650.46	301115.38	148554.98
118	109+46.62	24.66' RT	650.10	301101.04	148535.54
119	109+58.21	41.00' RT	649.98	301112.52	148551.96
120	109+31.62	32.00' RT	650.94	301085.99	148542.77
121	109+31.63	41.00' RT	651.08	301085.94	148551.77
122	109+36.62	32.00' RT	650.81	301090.99	148542.81
123	109+36.62	41.00' RT	650.90	301090.93	148551.81
124	109+41.62	32.00' RT	650.67	301095.99	148542.84
125	109+41.62	41.00' RT	650.72	301095.93	148551.84
126	109+46.62	32.00' RT	650.45	301100.99	148542.88
127	109+46.62	41.00' RT	650.49	301100.93	148551.88
128	109+46.62	46.73' RT	650.73	301100.89	148557.61
129	109+48.25	52.22' RT	650.94	301102.48	148563.11
130	109+51.62	32.00' RT	650.40	301105.99	148542.91
131	109+51.62	41.00' RT	650.44	301105.93	148551.91
132	109+51.62	46.00' RT	650.65	301105.89	148556.91
133	109+53.05	50.79' RT	650.86	301107.29	148561.71

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 25TH STREET	SHEET 47	E



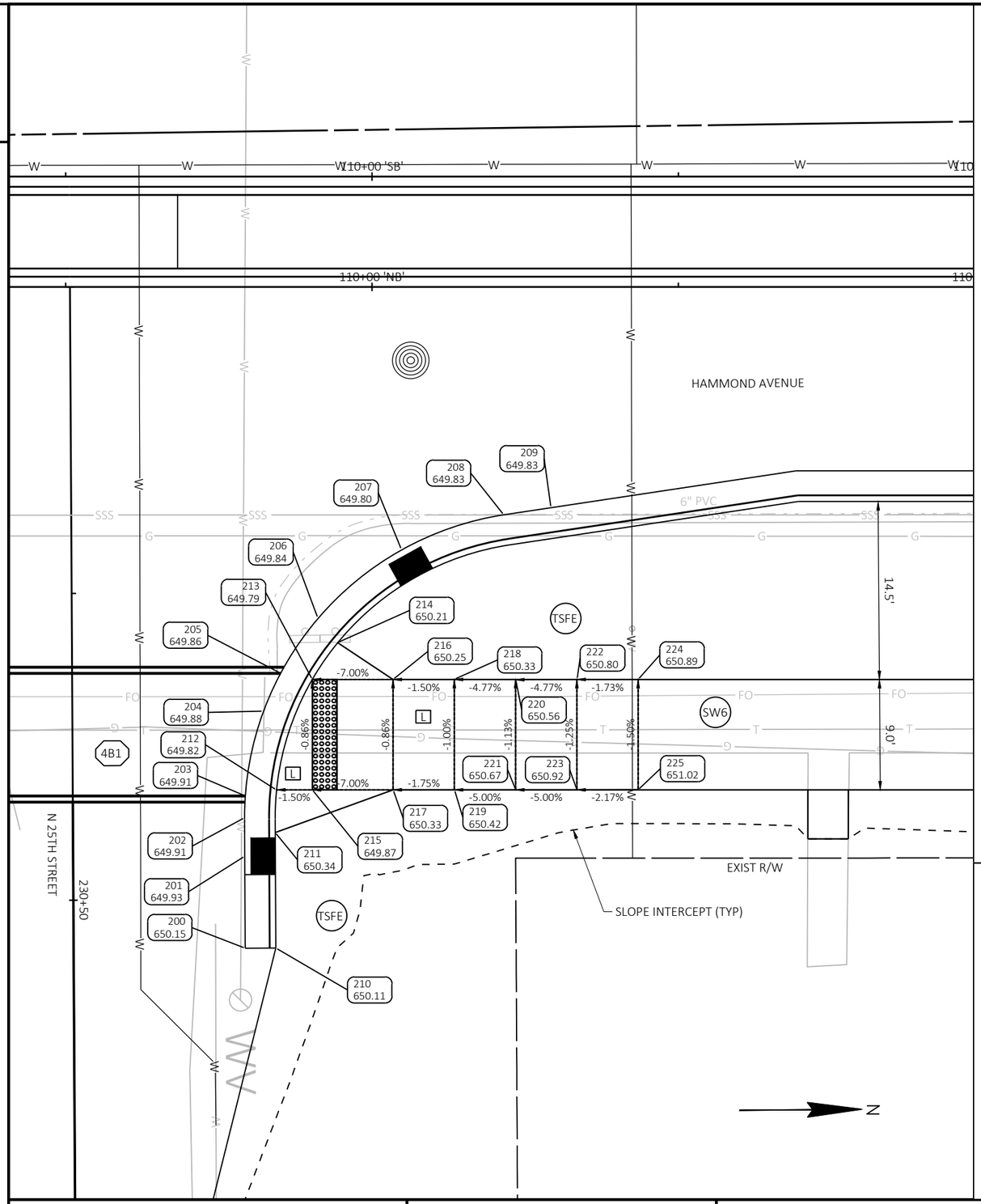
N 25TH STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
134	109+46.12	0.00'	650.77	301100.71	148510.88
135	109+52.12	0.00'	650.74	301106.71	148510.92
136	109+44.12	7.50' LT	650.81	301098.76	148503.36
137	109+44.12	4.50' LT	650.90	301098.74	148506.36
138	109+44.12	1.50' LT	650.81	301098.72	148509.36
139	109+46.12	9.00' LT	650.77	301100.77	148501.88
140	109+52.12	9.00' LT	650.74	301106.77	148501.92
141	109+54.12	7.50' LT	650.76	301108.76	148503.43
142	109+54.12	4.50' LT	650.85	301108.74	148506.43
143	109+54.12	1.50' LT	650.76	301108.72	148509.43
144	109+46.12	24.00' LT	650.32	301100.88	148486.88
145	109+52.12	24.00' LT	650.29	301106.88	148486.92
146	109+43.12	26.50' LT	650.75	301097.89	148484.36
147	109+46.62	26.50' LT	650.24	301101.39	148484.38
148	109+51.62	26.50' LT	650.21	301106.39	148484.41
149	109+54.62	26.50' LT	650.69	301109.39	148484.44
150	109+41.62	45.00' LT	651.37	301096.52	148465.85
151	109+41.62	40.00' LT	651.30	301096.49	148470.85
152	109+46.62	45.00' LT	651.26	301101.52	148465.88
153	109+46.62	40.00' LT	651.18	301101.49	148470.88
154	109+46.62	36.25' LT	650.92	301101.46	148474.63
155	109+46.62	32.50' LT	650.66	301101.44	148478.38
156	109+51.62	45.00' LT	651.23	301106.52	148465.91
157	109+51.62	40.00' LT	651.16	301106.49	148470.91
158	109+51.62	36.25' LT	650.89	301106.46	148474.66
159	109+51.62	32.50' LT	650.63	301106.44	148478.41
160	109+56.62	45.00' LT	651.30	301111.52	148465.95
161	109+56.62	40.00' LT	651.22	301111.49	148470.95

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 25TH STREET	SHEET 48	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021301_CR.DWG
LAYOUT NAME - 05A - 25TH ST
PLOT DATE : 7/30/2024 11:58 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

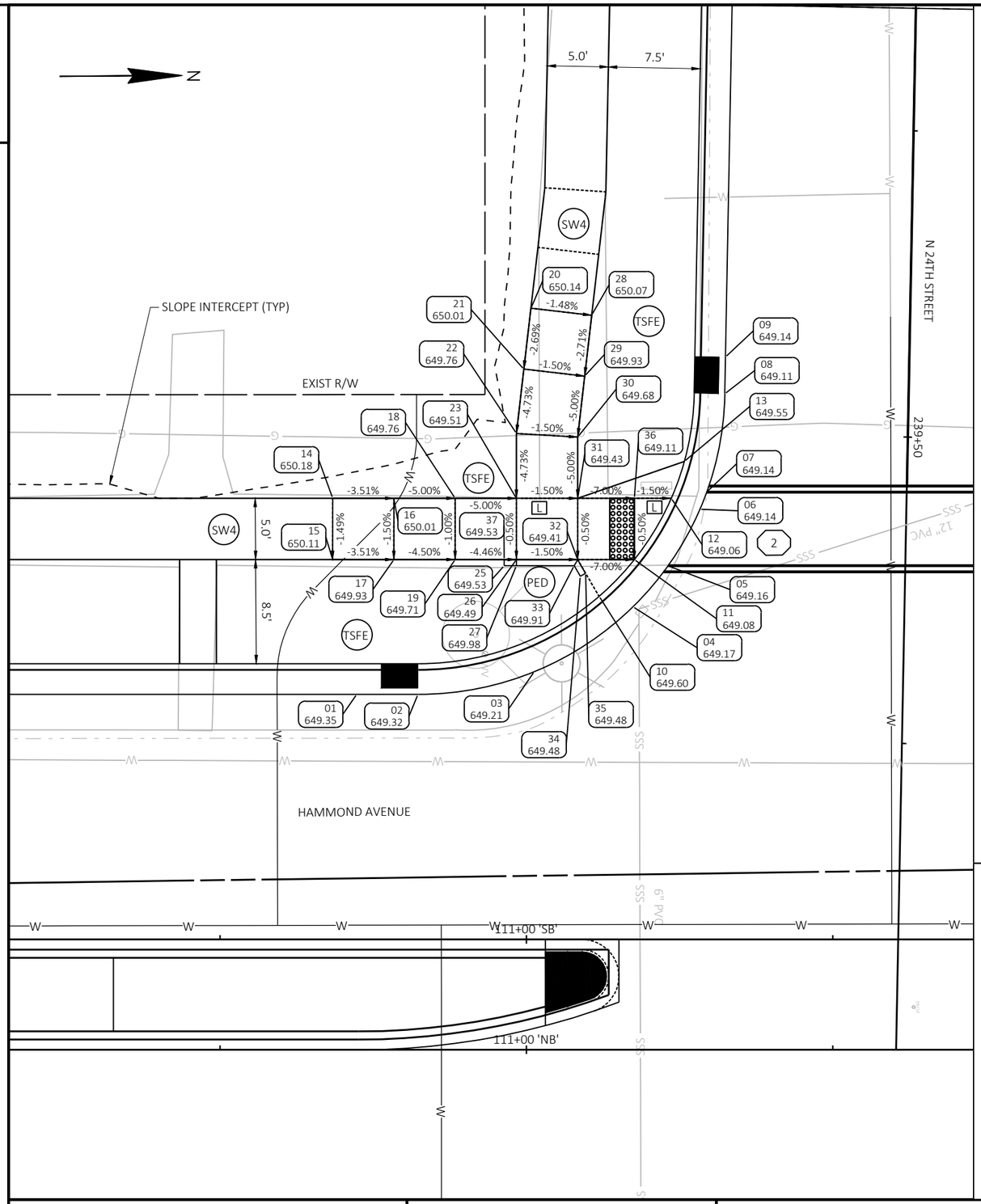


N 25TH STREET NORTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	109+89.65	53.92' RT	650.15	301143.86	148565.10
201	109+89.61	46.42' RT	649.93	301143.87	148557.60
202	109+89.59	43.28' RT	649.91	301143.88	148554.46
203	109+89.65	41.50' RT	649.91	301143.95	148552.68
204	109+91.10	34.59' RT	649.88	301145.45	148545.78
205	109+92.54	31.50' RT	649.86	301146.91	148542.70
206	109+95.56	26.98' RT	649.84	301149.96	148538.20
207	110+02.39	21.41' RT	649.80	301156.84	148532.68
208	110+10.74	18.58' RT	649.83	301165.20	148529.90
209	110+14.59	18.00' RT	649.83	301169.05	148529.35
210	109+92.15	53.91' RT	650.11	301146.36	148565.10
211	109+92.10	44.49' RT	650.34	301146.38	148555.69
212	109+92.18	41.00' RT	649.82	301146.48	148552.19
213	109+95.12	32.00' RT	649.79	301149.49	148543.21
214	109+97.20	29.00' RT	650.21	301151.59	148540.23
215	109+95.12	41.00' RT	649.87	301149.43	148552.21
216	110+01.71	32.00' RT	650.25	301156.08	148543.26
217	110+01.71	41.00' RT	650.33	301156.02	148552.26
218	110+06.71	32.00' RT	650.33	301161.08	148543.30
219	110+06.71	41.00' RT	650.42	301161.02	148552.30
220	110+11.71	32.00' RT	650.56	301166.08	148543.33
221	110+11.71	41.00' RT	650.67	301166.02	148552.33
222	110+16.71	32.00' RT	650.80	301171.08	148543.37
223	110+16.71	41.00' RT	650.92	301171.02	148552.36
224	110+21.71	32.00' RT	650.89	301176.08	148543.40
225	110+21.71	41.00' RT	651.02	301176.02	148552.40

LEGEND

- XX XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 25TH STREET	SHEET 49	E

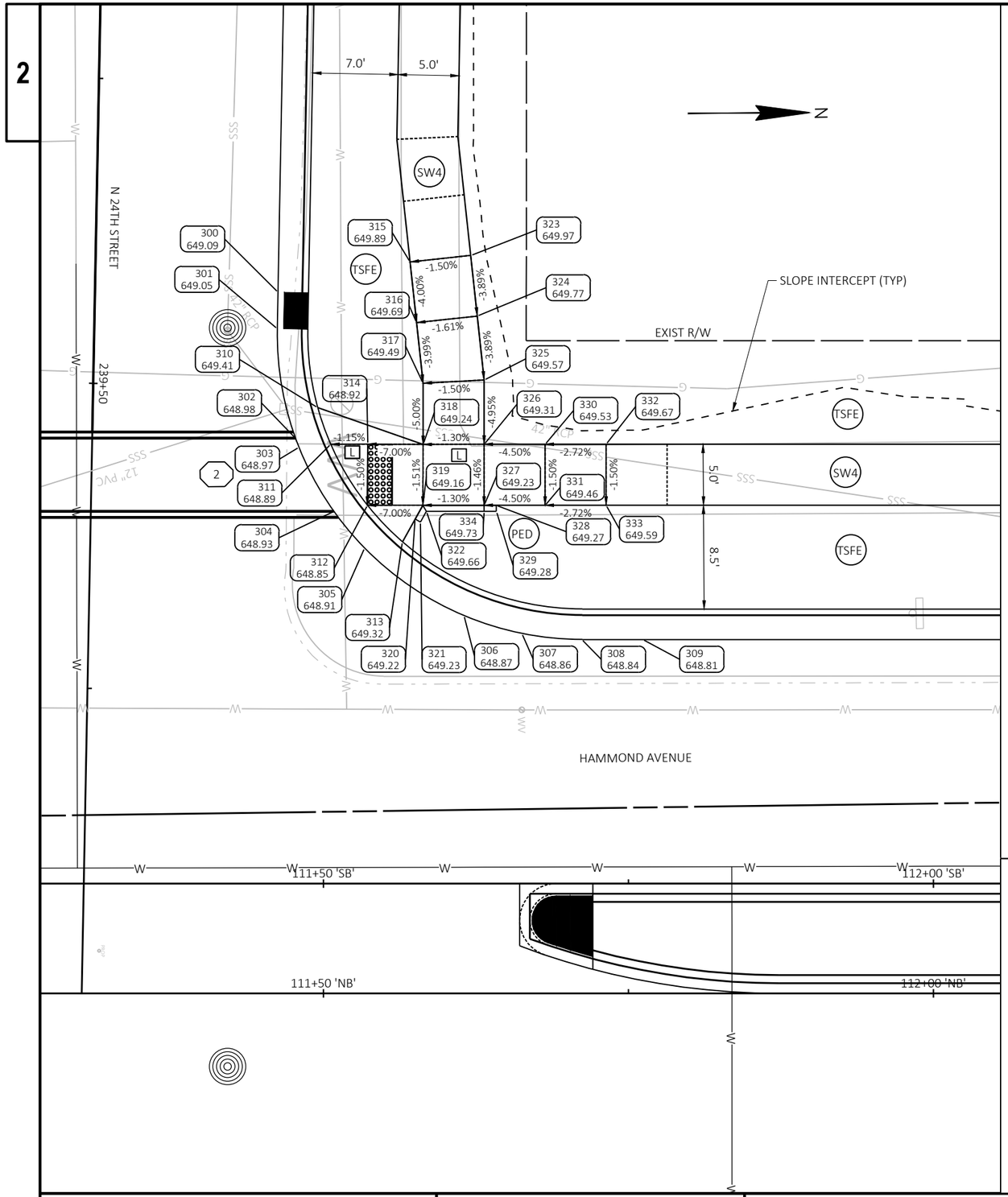


N 24TH STREET SOUTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	110+86.15	29.00' LT	649.35	301240.94	148482.85
02	110+91.15	29.00' LT	649.32	301245.94	148482.88
03	111+00.65	30.86' LT	649.21	301255.45	148481.09
04	111+08.70	36.16' LT	649.17	301263.54	148475.85
05	111+11.56	39.50' LT	649.16	301266.42	148472.52
06	111+14.15	44.11' LT	649.14	301269.05	148467.94
07	111+14.70	45.50' LT	649.14	301269.61	148466.55
08	111+16.19	53.53' LT	649.11	301271.15	148458.53
09	111+16.24	56.53' LT	649.14	301271.22	148455.53
10	111+05.93	37.00' LT	649.60	301260.78	148474.99
11	111+08.81	40.00' LT	649.08	301263.67	148472.01
12	111+11.81	45.00' LT	649.06	301266.71	148467.03
13	111+12.88	48.00' LT	649.55	301267.80	148464.03
14	110+84.20	45.00' LT	650.18	301239.10	148466.84
15	110+84.19	40.00' LT	650.11	301239.05	148471.83
16	110+89.19	45.00' LT	650.01	301244.09	148466.87
17	110+89.19	40.00' LT	649.93	301244.05	148471.87
18	110+94.19	45.00' LT	649.76	301249.09	148466.90
19	110+94.19	40.00' LT	649.71	301249.05	148471.90
20	111+00.37	60.50' LT	650.14	301255.37	148451.45
21	110+99.79	55.54' LT	650.01	301254.77	148456.40
22	110+99.19	50.29' LT	649.76	301254.12	148461.65
23	110+99.19	45.00' LT	649.51	301254.09	148466.94
25	110+98.19	39.50' LT	649.53	301253.05	148472.43
26	110+99.19	40.00' LT	649.49	301254.05	148471.94
27	110+99.19	39.50' LT	649.98	301254.05	148472.44
28	111+05.33	59.93' LT	650.07	301260.34	148452.05
29	111+04.75	54.97' LT	649.93	301259.72	148457.01
30	111+04.19	50.00' LT	649.68	301259.12	148461.97
31	111+04.19	44.97' LT	649.43	301259.09	148467.01
32	111+04.19	40.00' LT	649.41	301259.05	148471.97
33	111+03.90	39.50' LT	649.91	301258.76	148472.47
34	111+04.40	38.64' LT	649.48	301259.26	148473.34
35	111+04.83	38.89' LT	649.48	301259.69	148473.09
36	111+08.81	45.00' LT	649.11	301263.71	148467.01
37	110+98.19	40.00' LT	649.53	301253.05	148471.93

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 24TH STREET	SHEET 50	E



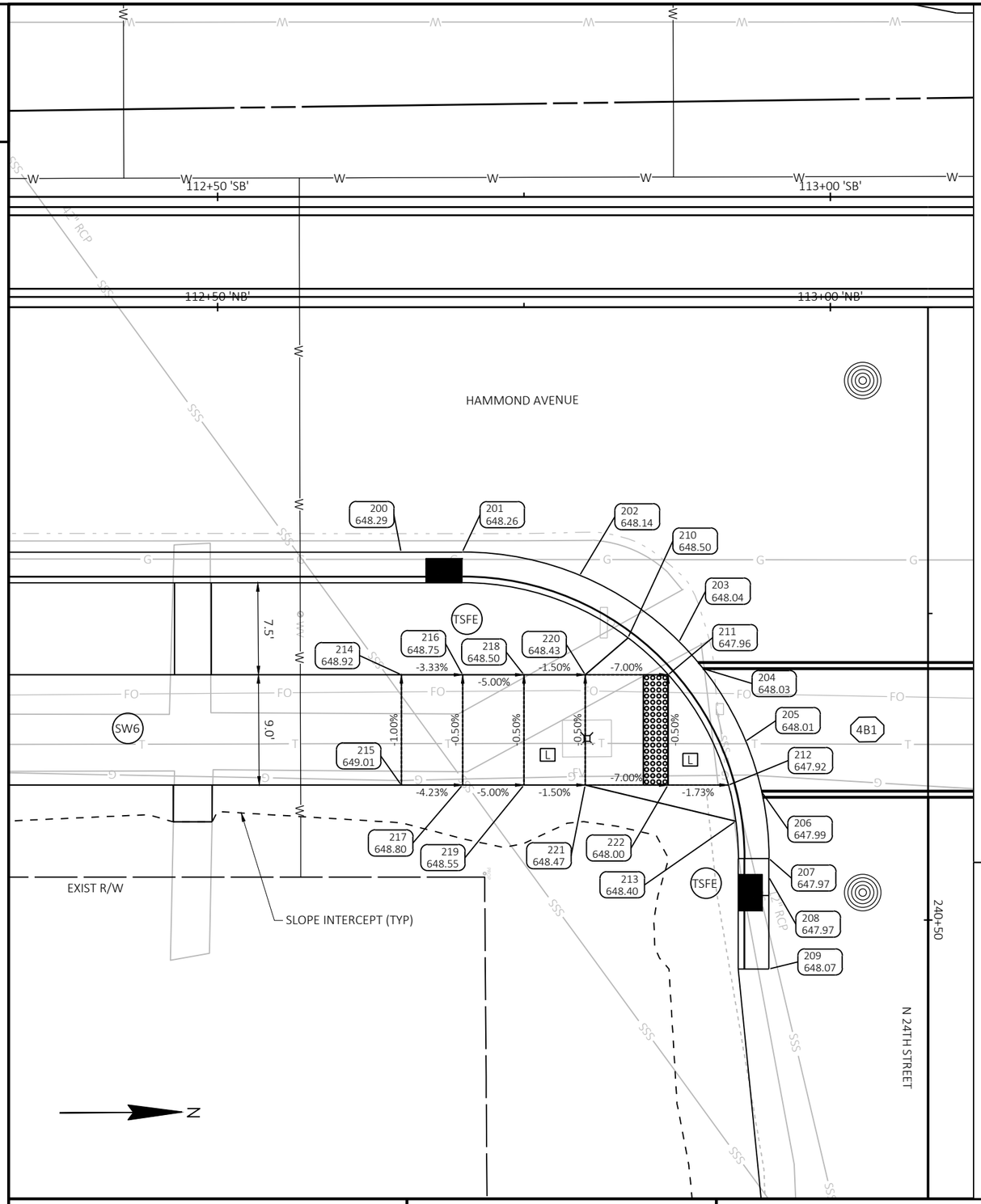
N 24TH STREET NORTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	111+46.27	57.47' LT	649.09	301301.25	148454.80
301	111+46.21	54.47' LT	649.05	301301.18	148457.79
302	111+47.70	45.50' LT	648.98	301302.60	148466.78
303	111+47.98	44.76' LT	648.97	301302.87	148467.52
304	111+50.84	39.50' LT	648.93	301305.70	148472.80
305	111+53.36	36.49' LT	648.91	301308.20	148475.83
306	111+61.51	30.96' LT	648.87	301316.31	148481.42
307	111+66.26	29.49' LT	648.86	301321.05	148482.91
308	111+71.17	29.00' LT	648.84	301325.96	148483.44
309	111+76.17	29.00' LT	648.81	301330.96	148483.47
310	111+49.52	48.00' LT	649.41	301304.44	148464.29
311	111+50.58	45.00' LT	648.89	301305.48	148467.30
312	111+53.59	40.00' LT	648.85	301308.46	148472.32
313	111+56.47	37.00' LT	649.32	301311.31	148475.34
314	111+53.62	45.02' LT	648.92	301308.52	148467.30
315	111+57.09	59.94' LT	649.89	301312.09	148452.40
316	111+57.63	54.97' LT	649.69	301312.60	148457.37
317	111+58.17	50.00' LT	649.49	301313.10	148462.35
318	111+58.17	45.00' LT	649.24	301313.07	148467.35
319	111+58.14	40.00' LT	649.16	301313.00	148472.35
320	111+57.51	38.87' LT	649.22	301312.36	148473.47
321	111+57.94	38.63' LT	649.23	301312.80	148473.72
322	111+58.43	39.50' LT	649.66	301313.29	148472.85
323	111+62.07	60.47' LT	649.97	301317.08	148451.91
324	111+62.60	55.51' LT	649.77	301317.57	148456.87
325	111+63.17	50.27' LT	649.57	301318.10	148462.11
326	111+63.17	45.00' LT	649.31	301318.07	148467.38
327	111+63.17	40.00' LT	649.23	301318.03	148472.38
328	111+64.14	40.00' LT	649.27	301319.00	148472.39
329	111+64.17	39.50' LT	649.28	301319.03	148472.89
330	111+68.17	45.00' LT	649.53	301323.06	148467.42
331	111+68.17	40.00' LT	649.46	301323.03	148472.42
332	111+73.17	45.00' LT	649.67	301328.06	148467.45
333	111+73.17	40.00' LT	649.59	301328.03	148472.45
334	111+63.17	39.50' LT	649.73	301318.03	148472.88

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 24TH STREET	SHEET 51	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\021301_CR.DWG
LAYOUT NAME - 08 - 24TH ST
PLOT DATE : 7/30/2024 11:58 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

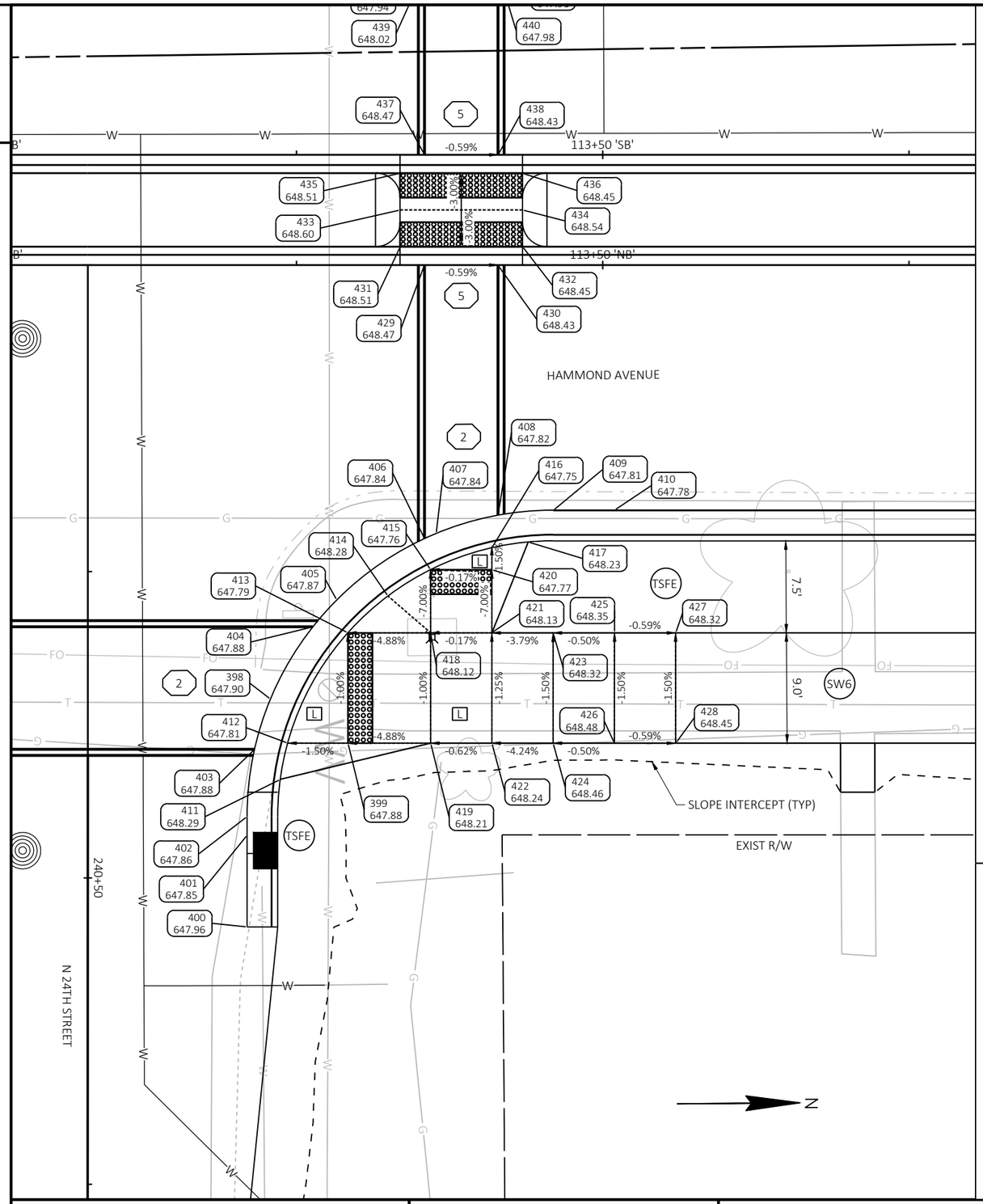


N 24TH STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	112+64.98	20.00' RT	648.29	301419.42	148533.09
201	112+69.97	20.00' RT	648.26	301424.41	148533.12
202	112+79.54	21.90' RT	648.14	301433.97	148535.09
203	112+87.65	27.33' RT	648.04	301442.04	148540.57
204	112+89.59	29.50' RT	648.03	301443.97	148542.76
205	112+93.06	35.43' RT	648.01	301447.40	148548.71
206	112+94.36	39.50' RT	647.99	301448.67	148552.79
207	112+94.97	44.98' RT	647.97	301449.24	148558.27
208	112+94.98	46.50' RT	647.97	301449.24	148559.80
209	112+94.98	54.00' RT	648.07	301449.19	148567.30
210	112+83.48	27.00' RT	648.50	301437.87	148540.22
211	112+86.75	30.00' RT	647.96	301441.12	148543.24
212	112+91.66	39.00' RT	647.92	301445.97	148552.27
213	112+92.27	41.95' RT	648.40	301446.56	148555.23
214	112+65.00	30.00' RT	648.92	301419.37	148543.09
215	112+65.00	39.00' RT	649.01	301419.31	148552.09
216	112+70.00	30.00' RT	648.75	301424.37	148543.12
217	112+69.98	39.00' RT	648.80	301424.29	148552.12
218	112+75.00	30.00' RT	648.50	301429.37	148543.16
219	112+75.00	39.00' RT	648.55	301429.31	148552.16
220	112+80.00	30.00' RT	648.43	301434.37	148543.19
221	112+80.00	39.00' RT	648.47	301434.31	148552.19
222	112+86.75	39.00' RT	648.00	301441.06	148552.24

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 24TH STREET	SHEET 52	E

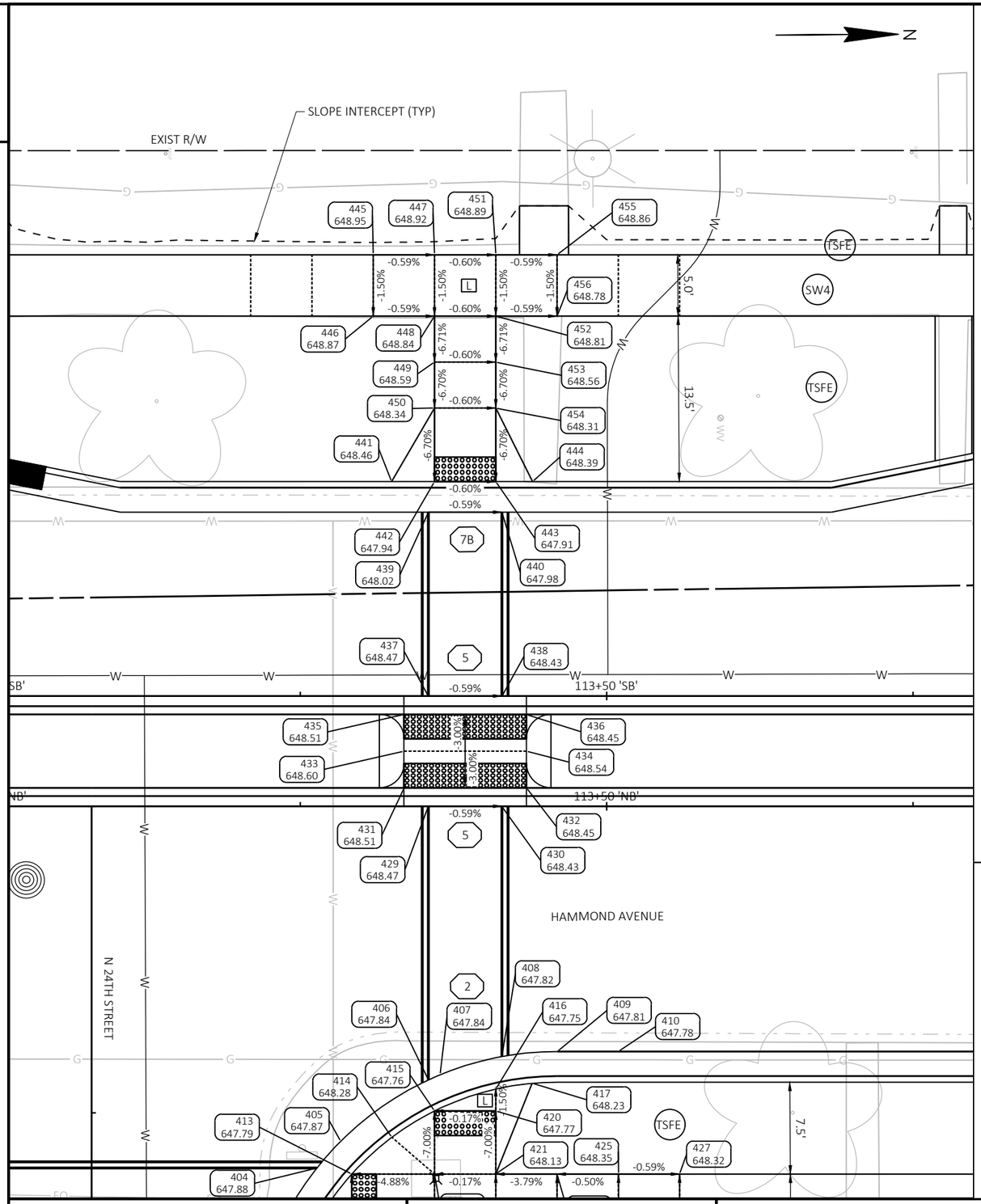


N 24TH STREET NORTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
398	113+22.88	35.42' RT	647.90	301477.22	148548.91
399	113+29.21	39.00' RT	647.88	301483.52	148552.53
400	113+20.98	54.00' RT	647.96	301475.19	148567.48
401	113+20.98	46.50' RT	647.85	301475.24	148559.98
402	113+20.97	45.00' RT	647.86	301475.24	148558.48
403	113+21.59	39.50' RT	647.88	301475.90	148552.98
404	113+26.36	29.50' RT	647.88	301480.74	148543.01
405	113+28.30	27.32' RT	647.87	301482.69	148540.85
406	113+35.46	22.32' RT	647.84	301489.88	148535.90
407	113+36.41	21.90' RT	647.84	301490.84	148535.49
408	113+41.46	20.41' RT	647.82	301495.90	148534.03
409	113+45.98	20.00' RT	647.81	301500.42	148533.65
410	113+50.98	20.00' RT	647.78	301505.42	148533.69
411	113+23.68	41.96' RT	648.29	301477.98	148555.45
412	113+24.29	39.00' RT	647.81	301478.60	148552.50
413	113+29.21	30.00' RT	647.79	301483.58	148543.53
414	113+32.48	27.00' RT	648.28	301486.87	148540.56
415	113+35.96	24.85' RT	647.76	301490.37	148538.44
416	113+40.96	23.07' RT	647.75	301495.38	148536.68
417	113+43.92	22.59' RT	648.23	301498.34	148536.23
418	113+35.96	30.00' RT	648.12	301490.33	148543.58
419	113+35.96	39.00' RT	648.21	301490.27	148552.58
420	113+40.96	24.85' RT	647.77	301495.37	148538.47
421	113+40.96	30.00' RT	648.13	301495.33	148543.62
422	113+40.96	39.00' RT	648.24	301495.27	148552.62
423	113+45.96	30.00' RT	648.32	301500.33	148543.65
424	113+45.96	39.00' RT	648.46	301500.27	148552.65
425	113+50.98	30.00' RT	648.35	301505.35	148543.69
426	113+50.96	39.00' RT	648.48	301505.27	148552.69
427	113+55.96	30.00' RT	648.32	301510.33	148543.72
428	113+55.96	39.00' RT	648.45	301510.27	148552.72

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 24TH STREET	SHEET 53	E

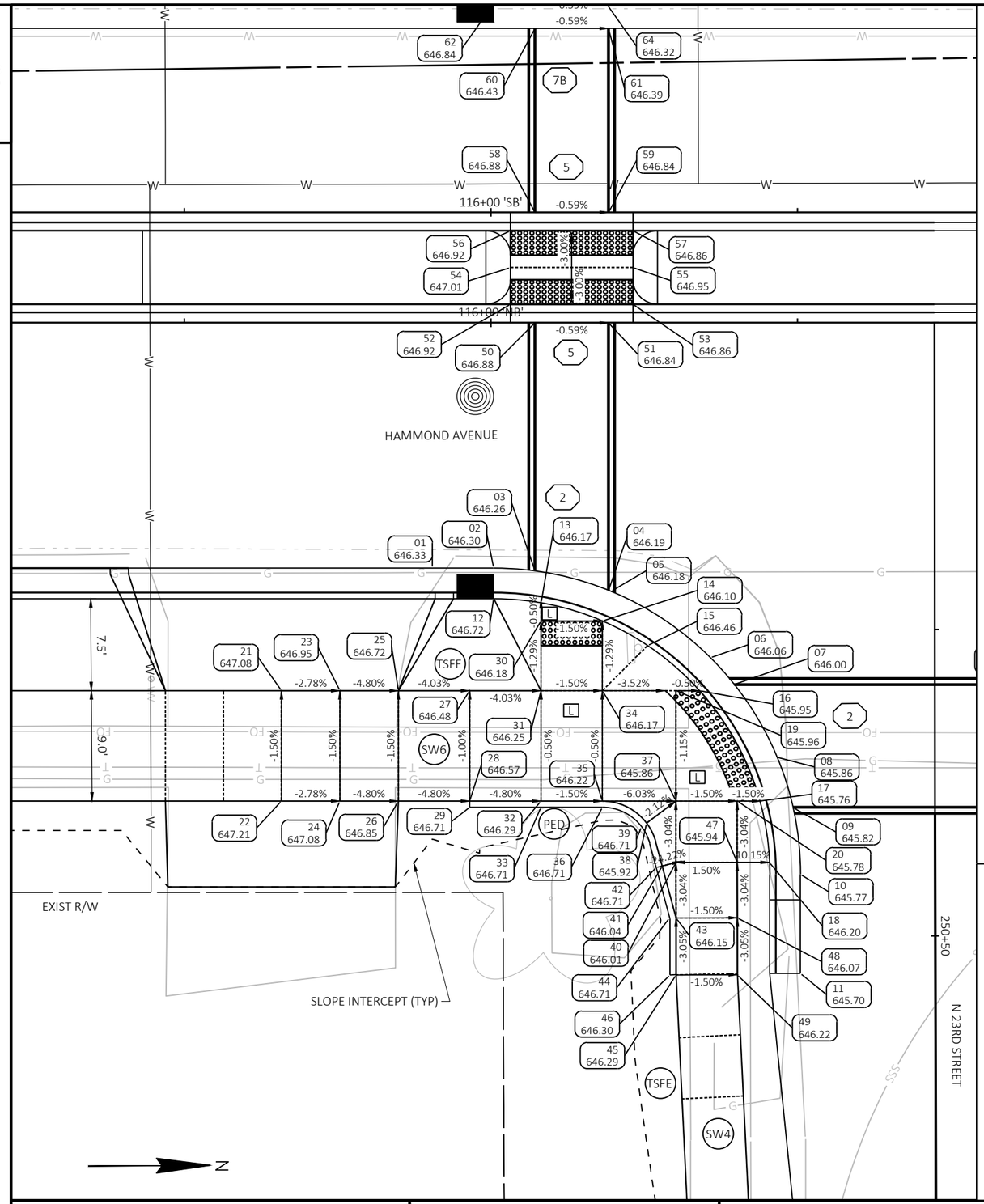


N 24TH STREET NORTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
429	113+35.46	0.00'	648.47	301490.04	148513.58
430	113+41.46	0.00'	648.43	301496.04	148513.62
431	113+33.47	1.50' LT	648.51	301488.06	148512.06
432	113+43.46	1.50' LT	648.45	301498.05	148512.13
433	113+33.47	4.50' LT	648.60	301488.08	148509.06
434	113+43.46	4.50' LT	648.54	301498.07	148509.13
435	113+33.47	7.50' LT	648.51	301488.10	148506.06
436	113+43.46	7.50' LT	648.45	301498.09	148506.13
437	113+35.46	9.00' LT	648.47	301490.10	148504.58
438	113+41.46	9.00' LT	648.43	301496.10	148504.62
439	113+35.46	24.00' LT	648.02	301490.21	148489.58
440	113+41.46	24.00' LT	647.98	301496.21	148489.62
441	113+32.46	26.50' LT	648.46	301487.22	148487.06
442	113+35.96	26.50' LT	647.94	301490.72	148487.08
443	113+40.96	26.50' LT	647.91	301495.72	148487.12
444	113+43.96	26.50' LT	648.39	301498.72	148487.14
445	113+30.96	45.00' LT	648.95	301485.85	148468.55
446	113+30.96	40.00' LT	648.87	301485.82	148473.55
447	113+35.96	45.00' LT	648.92	301490.85	148468.58
448	113+35.96	40.00' LT	648.84	301490.82	148473.58
449	113+35.96	36.25' LT	648.59	301490.79	148477.33
450	113+35.96	32.50' LT	648.34	301490.76	148481.08
451	113+40.96	45.00' LT	648.89	301495.85	148468.62
452	113+40.96	40.00' LT	648.81	301495.82	148473.62
453	113+40.96	36.25' LT	648.56	301495.79	148477.37
454	113+40.96	32.50' LT	648.31	301495.76	148481.12
455	113+45.96	45.00' LT	648.86	301500.85	148468.65
456	113+45.96	40.00' LT	648.78	301500.82	148473.65

LEGEND

- XX XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 24TH STREET	SHEET 54	E



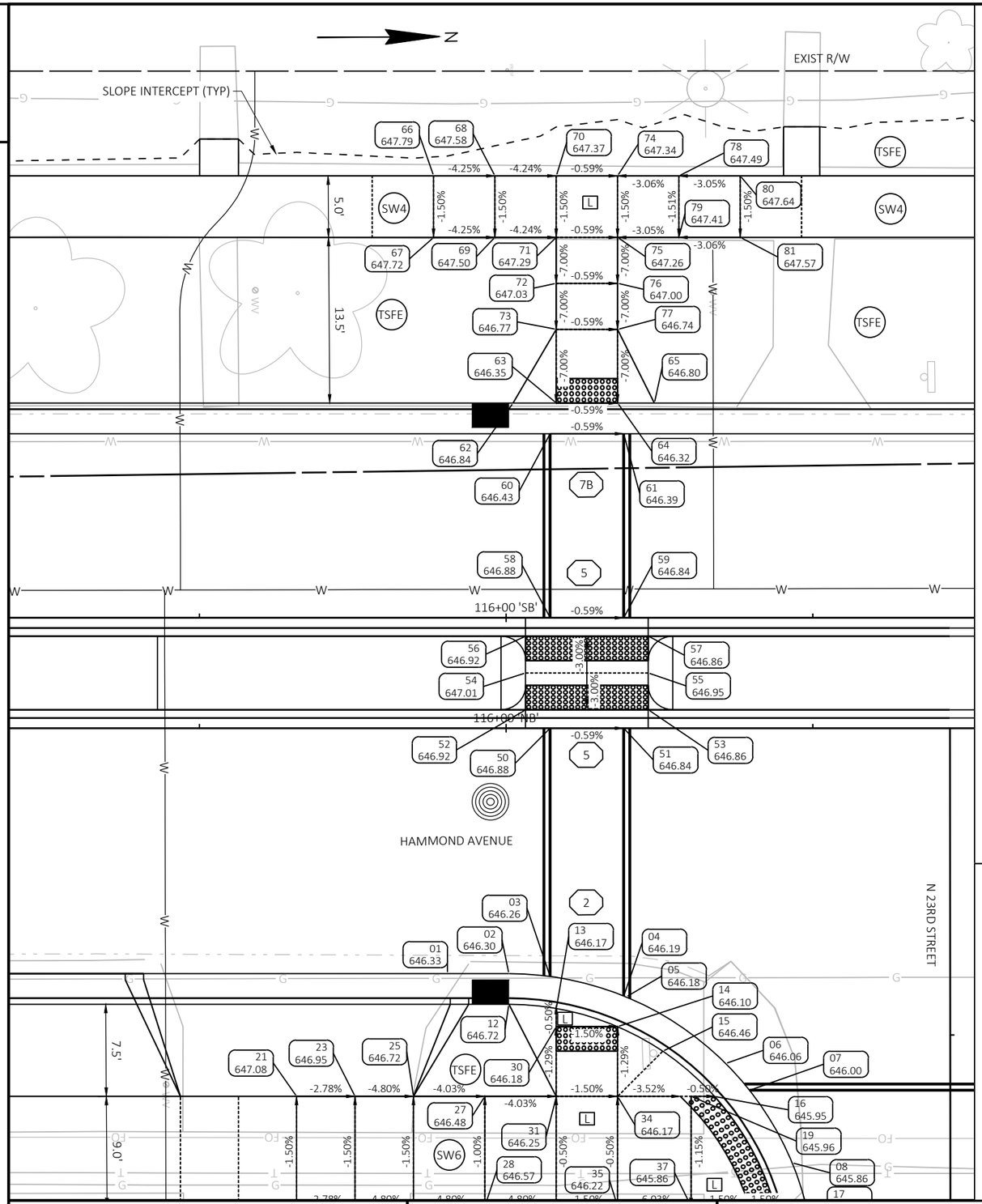
N 23RD STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	115+95.22	20.00' RT	646.33	301749.66	148535.38
02	116+00.22	20.00' RT	646.30	301754.66	148535.42
03	116+03.58	20.23' RT	646.26	301758.02	148535.67
04	116+09.58	21.82' RT	646.19	301764.01	148537.30
05	116+09.78	21.90' RT	646.18	301764.20	148537.38
06	116+17.89	27.31' RT	646.06	301772.27	148542.85
07	116+19.84	29.50' RT	646.00	301774.21	148545.05
08	116+23.31	35.41' RT	645.86	301777.64	148550.99
09	116+24.61	39.50' RT	645.82	301778.91	148555.08
10	116+25.22	44.97' RT	645.77	301779.48	148560.56
11	116+25.23	53.05' RT	645.70	301779.44	148568.64
12	116+00.22	22.50' RT	646.72	301754.64	148537.92
13	116+04.08	22.83' RT	646.17	301758.50	148538.28
14	116+09.08	24.32' RT	646.10	301763.49	148539.80
15	116+12.76	26.32' RT	646.46	301767.16	148541.82
16	116+16.99	30.00' RT	645.95	301771.36	148545.53
19	116+15.08	29.99' RT	645.96	301769.45	148545.51
20	116+20.09	39.00' RT	645.78	301774.40	148554.55
21	115+82.92	30.00' RT	647.08	301737.29	148545.30
22	115+82.92	39.00' RT	647.21	301737.22	148554.30
23	115+87.68	30.00' RT	646.95	301742.05	148545.33
24	115+87.68	39.00' RT	647.08	301741.99	148554.33
25	115+92.45	30.00' RT	646.72	301746.81	148545.36
26	115+92.45	39.01' RT	646.85	301746.75	148554.37
27	115+98.26	30.00' RT	646.48	301752.63	148545.40

N 23RD STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
28	115+98.26	39.00' RT	646.57	301752.57	148554.40
29	115+98.26	39.50' RT	646.71	301752.56	148554.90
30	116+04.08	24.32' RT	646.18	301758.49	148539.76
31	116+04.08	30.00' RT	646.25	301758.45	148545.44
32	116+04.08	39.00' RT	646.29	301758.39	148554.44
33	116+04.08	39.50' RT	646.71	301758.39	148554.94
34	116+09.08	30.00' RT	646.17	301763.45	148545.48
35	116+09.08	39.00' RT	646.22	301763.39	148554.48
36	116+09.08	39.50' RT	646.71	301763.39	148554.98
37	116+15.08	39.00' RT	645.86	301769.39	148554.52
38	116+12.68	40.80' RT	645.92	301766.98	148556.30
39	116+12.28	41.10' RT	646.71	301766.57	148556.60
40	116+15.08	44.00' RT	646.01	301769.35	148559.52
41	116+13.96	44.30' RT	646.04	301768.22	148559.81
42	116+13.47	44.43' RT	646.71	301767.74	148559.94
43	116+15.09	48.53' RT	646.15	301769.33	148564.05
44	116+14.56	48.53' RT	646.71	301768.79	148564.05
45	116+15.09	53.18' RT	646.29	301769.30	148568.70
46	116+14.59	53.18' RT	646.30	301768.80	148568.69
47	116+20.08	43.99' RT	645.94	301774.35	148559.55
48	116+20.09	48.52' RT	646.07	301774.33	148564.08
49	116+20.09	53.17' RT	646.22	301774.30	148568.73

LEGEND

- XX XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 23RD STREET	SHEET 55	E

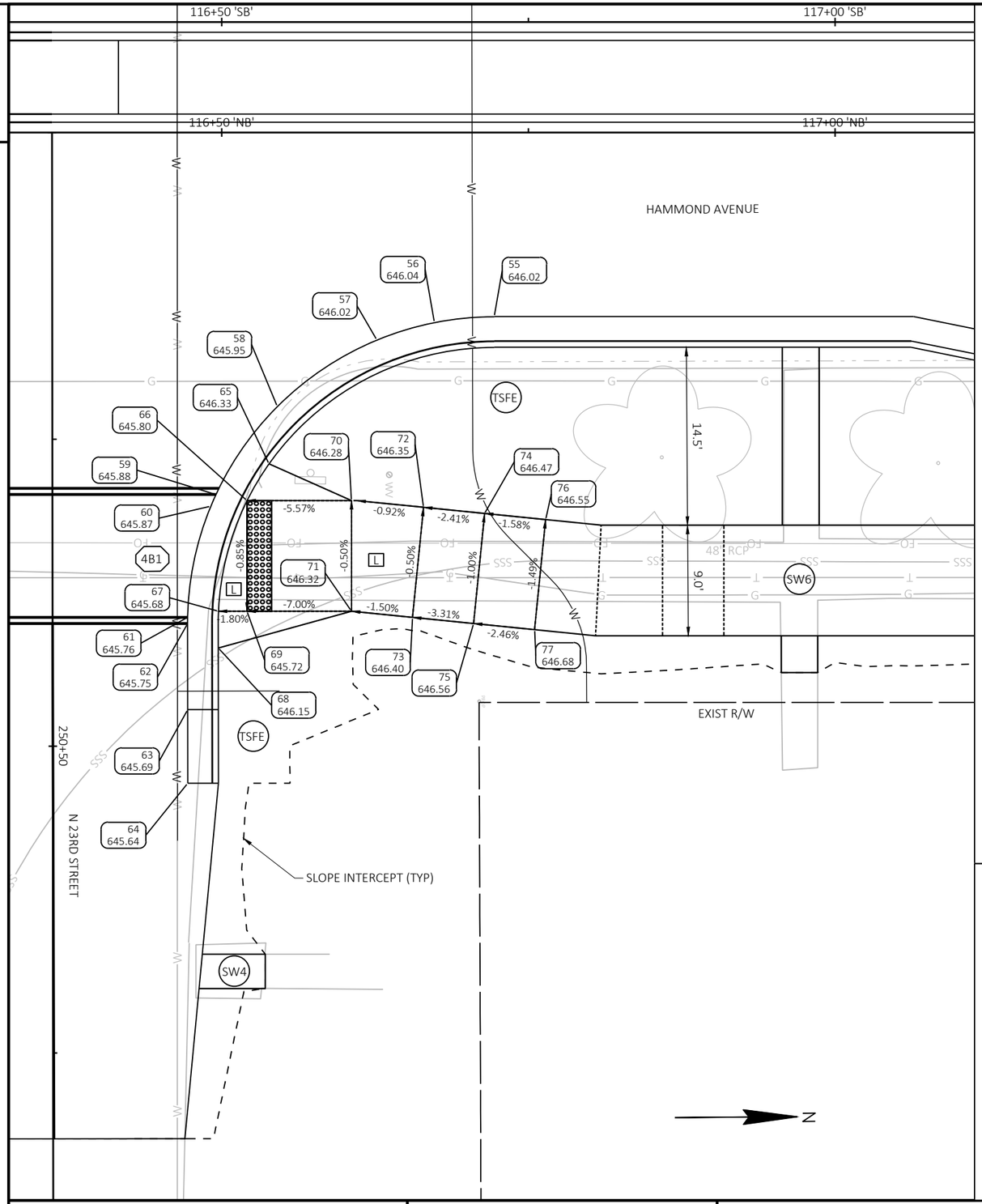


N 23RD STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
50	116+03.58	0.00'	646.88	301758.16	148515.44
51	116+09.58	0.00'	646.84	301764.16	148515.48
52	116+01.58	1.50' LT	646.92	301756.17	148513.93
53	116+11.58	1.50' LT	646.86	301766.17	148514.00
54	116+01.58	4.50' LT	647.01	301756.19	148510.93
55	116+11.58	4.50' LT	646.95	301766.19	148511.00
56	116+01.58	7.50' LT	646.92	301756.21	148507.93
57	116+11.58	7.50' LT	646.86	301766.21	148508.00
58	116+03.58	9.00' LT	646.88	301758.22	148506.44
59	116+09.58	9.00' LT	646.84	301764.22	148506.48
60	116+03.58	24.00' LT	646.43	301758.33	148491.44
61	116+09.58	24.00' LT	646.39	301764.33	148491.48
62	116+00.56	26.50' LT	646.84	301755.32	148488.92
63	116+04.08	26.50' LT	646.35	301758.84	148488.94
64	116+09.08	26.50' LT	646.32	301763.84	148488.98
65	116+12.08	26.50' LT	646.80	301766.84	148489.00
66	115+94.08	45.00' LT	647.79	301748.97	148470.37
67	115+94.08	40.00' LT	647.72	301748.94	148475.37
68	115+99.09	45.00' LT	647.58	301753.98	148470.41
69	115+99.08	40.00' LT	647.50	301753.94	148475.41
70	116+04.08	45.00' LT	647.37	301758.97	148470.44
71	116+04.08	40.00' LT	647.29	301758.94	148475.44
72	116+04.08	36.25' LT	647.03	301758.91	148479.19
73	116+04.08	32.50' LT	646.77	301758.89	148482.94
74	116+09.08	45.00' LT	647.34	301763.97	148470.48
75	116+09.08	40.00' LT	647.26	301763.94	148475.48
76	116+09.08	36.25' LT	647.00	301763.91	148479.23
77	116+09.08	32.50' LT	646.74	301763.89	148482.98
78	116+14.08	45.00' LT	647.49	301768.97	148470.51
79	116+14.08	40.00' LT	647.41	301768.94	148475.51
80	116+19.08	45.00' LT	647.64	301773.97	148470.55
81	116+19.08	40.00' LT	647.57	301773.94	148475.55

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

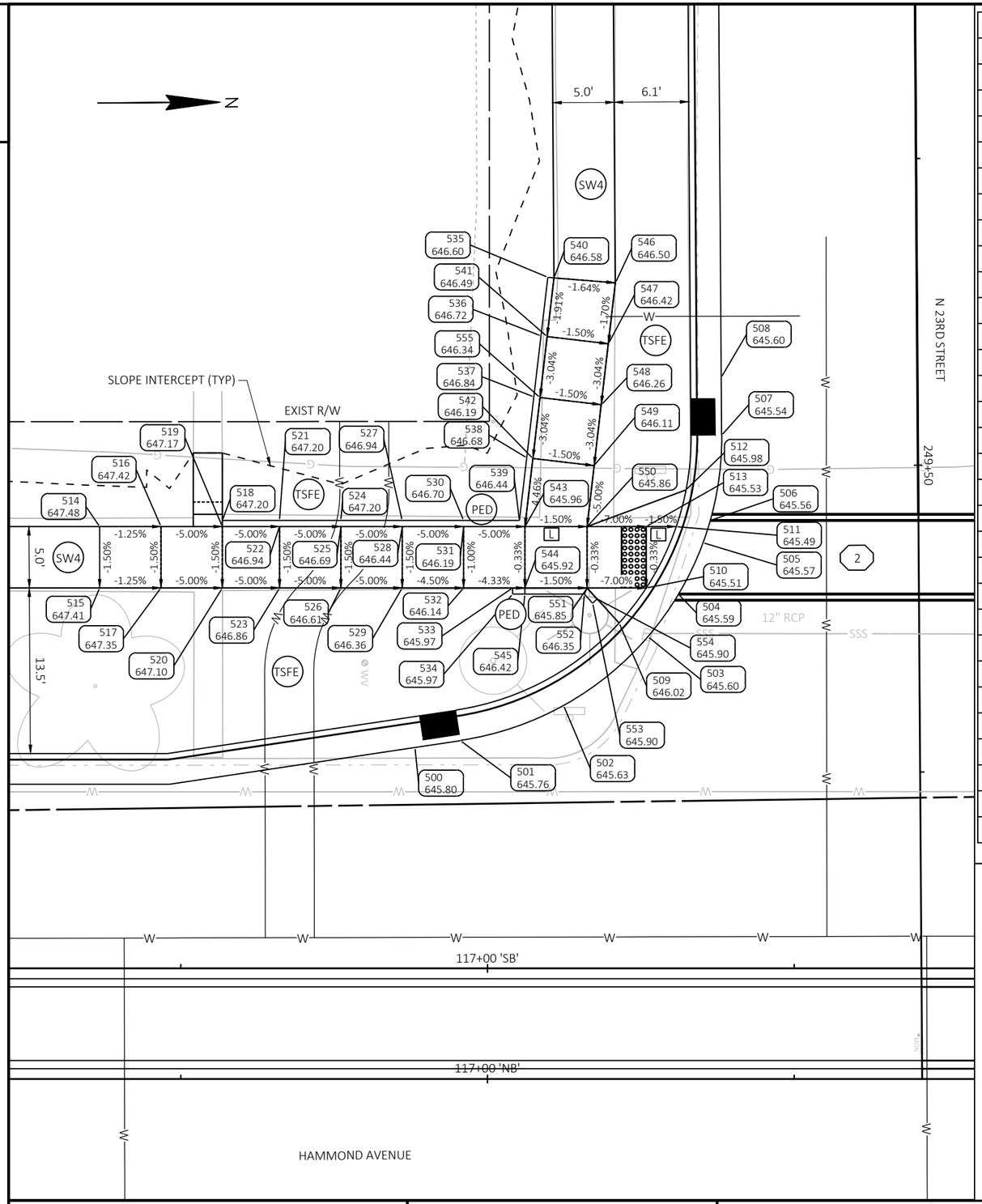
PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 23RD STREET	SHEET 56	E



N 23RD STREET NORTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
55	116+72.22	15.00' RT	646.02	301826.69	148530.92
56	116+67.33	15.48' RT	646.04	301821.80	148531.36
57	116+62.64	16.91' RT	646.02	301817.10	148532.76
58	116+54.53	22.33' RT	645.95	301808.95	148538.13
59	116+49.53	29.50' RT	645.88	301803.90	148545.26
60	116+49.11	30.45' RT	645.87	301803.47	148546.21
61	116+47.22	39.50' RT	645.76	301801.52	148555.24
62	116+47.22	40.03' RT	645.75	301801.51	148555.77
63	116+47.22	47.03' RT	645.69	301801.47	148562.77
64	116+47.23	53.03' RT	645.64	301801.44	148568.77
65	116+53.85	27.00' RT	646.33	301808.24	148542.79
66	116+52.06	30.00' RT	645.80	301806.43	148545.78
67	116+49.74	39.00' RT	645.68	301804.04	148554.76
68	116+49.72	42.00' RT	646.15	301804.00	148557.76
69	116+52.06	39.00' RT	645.72	301806.36	148554.78
70	116+60.58	30.00' RT	646.28	301814.95	148545.83
71	116+60.58	39.00' RT	646.32	301814.88	148554.83
72	116+66.45	30.55' RT	646.35	301820.82	148546.42
73	116+65.55	39.50' RT	646.40	301819.85	148555.37
74	116+71.43	31.05' RT	646.47	301825.79	148546.96
75	116+70.53	40.00' RT	646.56	301824.83	148555.90
76	116+76.40	31.55' RT	646.55	301830.76	148547.49
77	116+75.50	40.50' RT	646.68	301829.80	148556.44

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
SW4	CONCRETE SIDEWALK 4-INCH
SW6	CONCRETE SIDEWALK 6-INCH
XXX	CURB RAMP TYPE
L	LEVEL LANDING



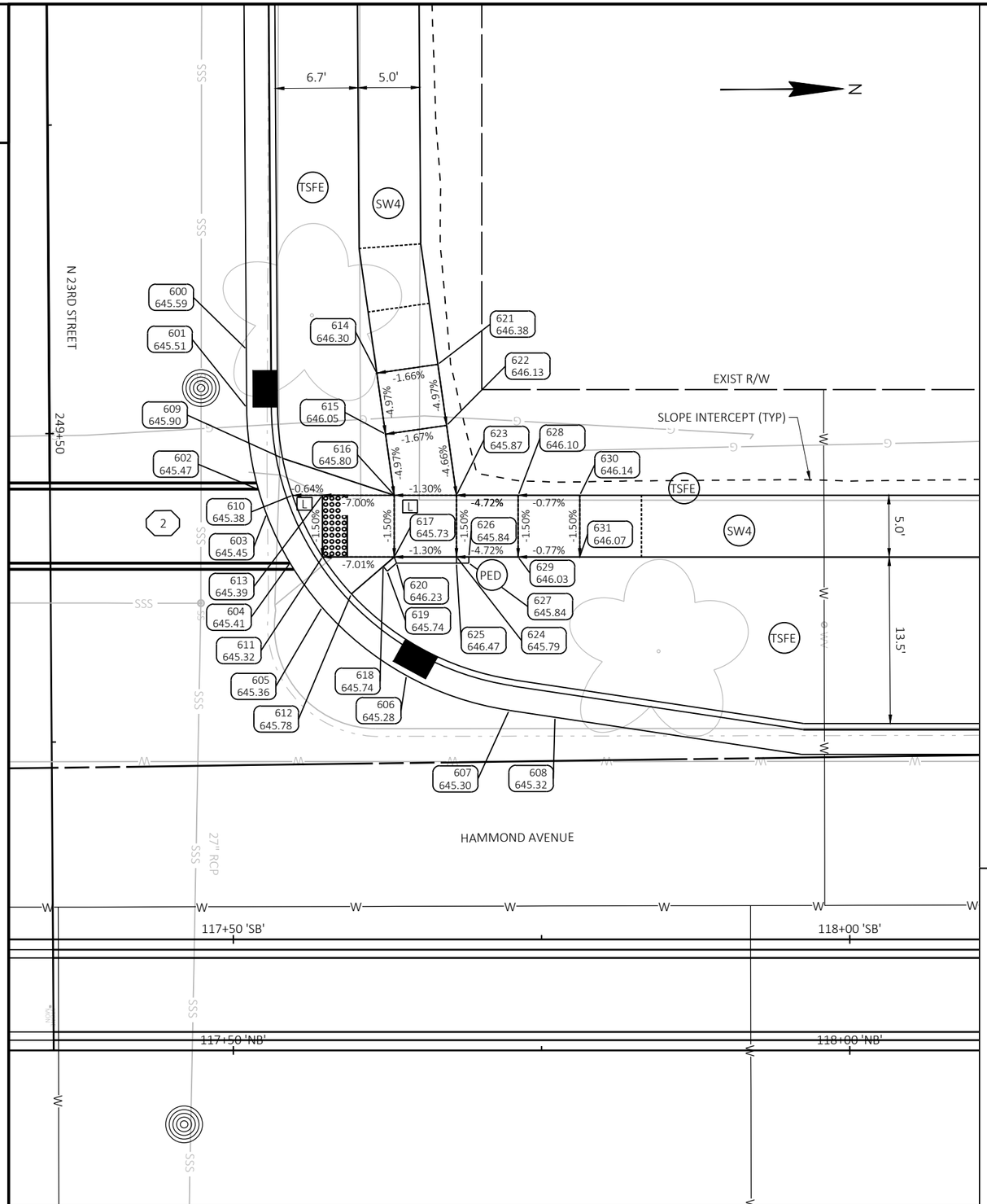
N 23RD STREET SOUTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	116+94.08	27.00' LT	645.80	301848.84	148489.07
501	116+97.79	27.56' LT	645.76	301852.55	148488.54
502	117+06.20	30.41' LT	645.63	301860.98	148485.74
503	117+13.08	36.03' LT	645.60	301867.90	148480.17
504	117+15.56	39.50' LT	645.59	301870.41	148476.72
505	117+17.56	43.69' LT	645.57	301872.43	148472.54
506	117+18.14	45.50' LT	645.56	301873.03	148470.74
507	117+19.08	52.44' LT	645.54	301874.01	148463.80
508	117+19.05	57.17' LT	645.60	301874.02	148459.08
509	117+10.72	37.14' LT	646.02	301865.55	148479.04
510	117+12.93	40.00' LT	645.51	301867.78	148476.20
511	117+15.37	45.00' LT	645.49	301870.25	148471.22
512	117+16.16	47.98' LT	645.98	301871.07	148468.24
513	117+12.93	45.00' LT	645.53	301867.82	148471.20
514	116+68.38	45.00' LT	647.48	301823.27	148470.89
515	116+68.38	40.00' LT	647.41	301823.23	148475.89
516	116+73.38	45.00' LT	647.42	301828.27	148470.93
517	116+73.38	40.00' LT	647.35	301828.23	148475.93
518	116+78.38	45.50' LT	647.20	301833.27	148470.46
519	116+78.38	45.00' LT	647.17	301833.27	148470.96
520	116+78.38	40.00' LT	647.10	301833.23	148475.96
521	116+83.04	45.50' LT	647.20	301837.93	148470.49
522	116+83.04	45.00' LT	646.94	301837.93	148470.99
523	116+83.04	40.00' LT	646.86	301837.90	148475.99
524	116+88.04	45.50' LT	647.20	301842.93	148470.53
525	116+88.04	45.00' LT	646.69	301842.93	148471.03
526	116+88.04	40.00' LT	646.61	301842.90	148476.03
527	116+93.04	45.50' LT	646.94	301847.93	148470.56
528	116+93.04	45.00' LT	646.44	301847.93	148471.06
529	116+93.04	40.00' LT	646.36	301847.89	148476.06

N 23RD STREET SOUTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
530	116+98.04	45.50' LT	646.70	301852.93	148470.60
531	116+98.04	45.00' LT	646.19	301852.93	148471.10
532	116+98.04	40.00' LT	646.14	301852.89	148476.10
533	117+02.04	40.00' LT	645.97	301856.89	148476.12
534	117+02.04	39.50' LT	645.97	301856.89	148476.62
535	117+04.92	65.32' LT	646.60	301859.95	148450.82
536	117+04.36	60.54' LT	646.72	301859.35	148455.60
537	117+03.78	55.58' LT	646.84	301858.74	148460.56
538	117+03.20	50.61' LT	646.68	301858.12	148465.52
539	117+02.60	45.50' LT	646.44	301857.49	148470.63
540	117+05.42	65.26' LT	646.58	301860.44	148450.88
541	117+04.86	60.48' LT	646.49	301859.85	148455.66
542	117+03.69	50.55' LT	646.19	301858.62	148465.58
543	117+03.04	45.00' LT	645.96	301857.93	148471.13
544	117+03.04	40.00' LT	645.92	301857.89	148476.13
545	117+03.04	39.50' LT	646.42	301857.89	148476.63
546	117+10.42	64.87' LT	646.50	301865.44	148451.32
547	117+09.85	59.90' LT	646.42	301864.84	148456.28
548	117+09.27	54.93' LT	646.26	301864.23	148461.24
549	117+08.69	49.97' LT	646.11	301863.61	148466.20
550	117+08.11	45.00' LT	645.86	301863.00	148471.17
551	117+08.11	40.00' LT	645.85	301862.96	148476.17
552	117+07.89	39.50' LT	646.35	301862.74	148476.66
553	117+08.57	38.76' LT	645.90	301863.41	148477.41
554	117+08.94	39.10' LT	645.90	301863.78	148477.07
555	117+04.28	55.52' LT	646.34	301859.23	148460.62

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 23RD STREET	SHEET 58	E

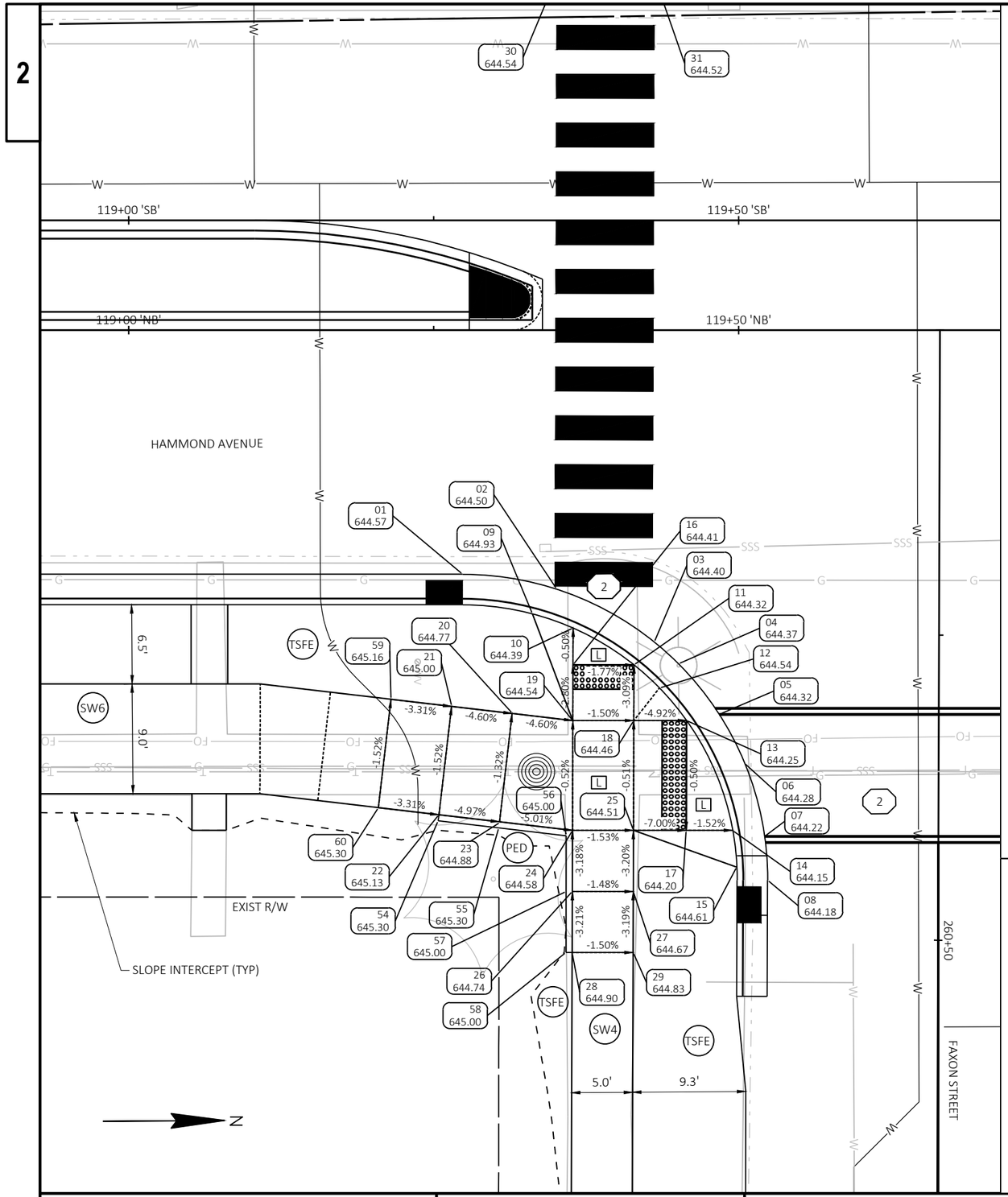


N 23RD STREET NORTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	117+51.05	56.83' LT	645.59	301906.02	148459.63
601	117+51.08	52.11' LT	645.51	301906.01	148464.35
602	117+51.94	45.50' LT	645.47	301906.83	148470.97
603	117+52.69	43.46' LT	645.45	301907.56	148473.01
604	117+54.59	39.50' LT	645.41	301909.44	148476.99
605	117+57.19	35.90' LT	645.36	301912.01	148480.60
606	117+64.03	30.37' LT	645.28	301918.82	148486.18
607	117+72.37	27.56' LT	645.30	301927.13	148489.06
608	117+76.08	27.00' LT	645.32	301930.84	148489.64
609	117+53.99	48.00' LT	645.90	301908.90	148468.49
610	117+54.79	45.00' LT	645.38	301909.67	148471.49
611	117+57.23	40.00' LT	645.32	301912.08	148476.51
612	117+59.56	37.00' LT	645.78	301914.39	148479.52
613	117+57.23	45.00' LT	645.39	301912.11	148471.51
614	117+61.64	54.90' LT	646.30	301916.59	148461.64
615	117+62.34	49.95' LT	646.05	301917.26	148466.59
616	117+63.05	45.00' LT	645.80	301917.93	148471.55
617	117+63.05	40.00' LT	645.73	301917.90	148476.55
618	117+62.15	39.23' LT	645.74	301916.99	148477.32
619	117+62.48	38.85' LT	645.74	301917.32	148477.70
620	117+63.23	39.50' LT	646.23	301918.08	148477.05
621	117+66.59	55.61' LT	646.38	301921.54	148460.97
622	117+67.29	50.66' LT	646.13	301922.22	148465.92
623	117+68.10	45.00' LT	645.87	301922.98	148471.58
624	117+68.10	40.00' LT	645.79	301922.95	148476.58
625	117+68.10	39.50' LT	646.47	301922.95	148477.08
626	117+69.10	40.00' LT	645.84	301923.95	148476.59
627	117+69.10	39.50' LT	645.84	301923.95	148477.09
628	117+73.10	45.00' LT	646.10	301927.98	148471.62
629	117+73.10	40.00' LT	646.03	301927.95	148476.62
630	117+78.10	45.00' LT	646.14	301932.98	148471.65
631	117+78.10	40.00' LT	646.07	301932.95	148476.65

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
SW4	CONCRETE SIDEWALK 4-INCH
SW6	CONCRETE SIDEWALK 6-INCH
XXX	CURB RAMP TYPE
L	LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 23RD STREET	SHEET 59	E



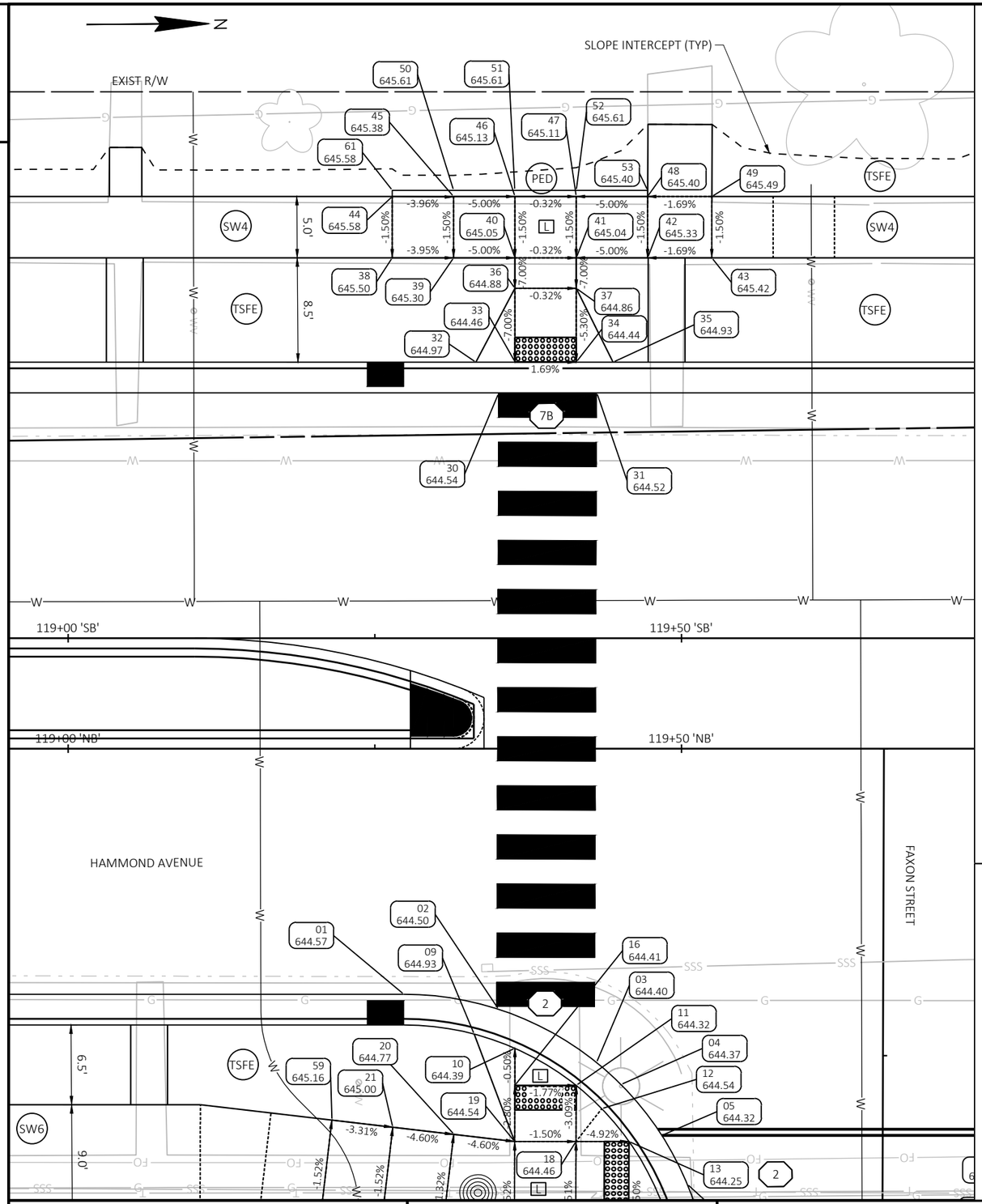
FAXON STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	119+27.37	20.00' RT	644.57	302081.80	148537.69
02	119+35.09	21.22' RT	644.50	302089.51	148538.96
03	119+43.08	25.56' RT	644.40	302097.47	148543.36
04	119+45.07	27.35' RT	644.37	302099.45	148545.16
05	119+48.40	31.50' RT	644.32	302102.75	148549.33
06	119+50.48	35.49' RT	644.28	302104.80	148553.34
07	119+52.12	41.50' RT	644.22	302106.40	148559.36
08	119+52.36	45.08' RT	644.18	302106.62	148562.94
09	119+33.10	23.26' RT	644.93	302087.51	148540.99
10	119+36.43	24.41' RT	644.39	302090.83	148542.16
11	119+41.42	27.43' RT	644.32	302095.80	148545.22
12	119+43.51	29.33' RT	644.54	302097.87	148547.13
13	119+45.73	32.00' RT	644.25	302100.07	148549.81
14	119+49.50	41.00' RT	644.15	302103.79	148558.84
15	119+49.84	44.00' RT	644.61	302104.10	148561.84
16	119+36.42	27.43' RT	644.41	302090.80	148545.18
17	119+45.70	41.00' RT	644.20	302099.98	148558.81
18	119+41.40	32.00' RT	644.46	302095.75	148549.78
19	119+36.41	32.00' RT	644.54	302090.75	148549.75
20	119+31.44	31.42' RT	644.77	302085.79	148549.13
21	119+26.47	30.84' RT	645.00	302080.83	148548.52
22	119+25.43	39.72' RT	645.13	302079.72	148557.39
23	119+30.40	40.30' RT	644.88	302084.69	148558.01
24	119+36.38	41.00' RT	644.58	302090.66	148558.75
25	119+41.38	41.00' RT	644.51	302095.66	148558.78
26	119+36.36	46.00' RT	644.74	302090.61	148563.75
27	119+41.36	46.00' RT	644.67	302095.61	148563.78
28	119+36.34	51.00' RT	644.90	302090.56	148568.75
29	119+41.34	51.00' RT	644.83	302095.56	148568.78
54	119+25.37	40.22' RT	645.30	302079.66	148557.89
55	119+30.34	40.80' RT	645.30	302084.62	148558.50
56	119+35.87	41.44' RT	645.00	302090.15	148559.19
57	119+35.86	46.00' RT	645.00	302090.11	148563.74
58	119+35.84	51.00' RT	645.00	302090.06	148568.75
59	119+21.51	30.26' RT	645.16	302075.86	148547.90
60	119+20.47	39.14' RT	645.30	302074.76	148556.78

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - FAXON STREET	SHEET 60	E

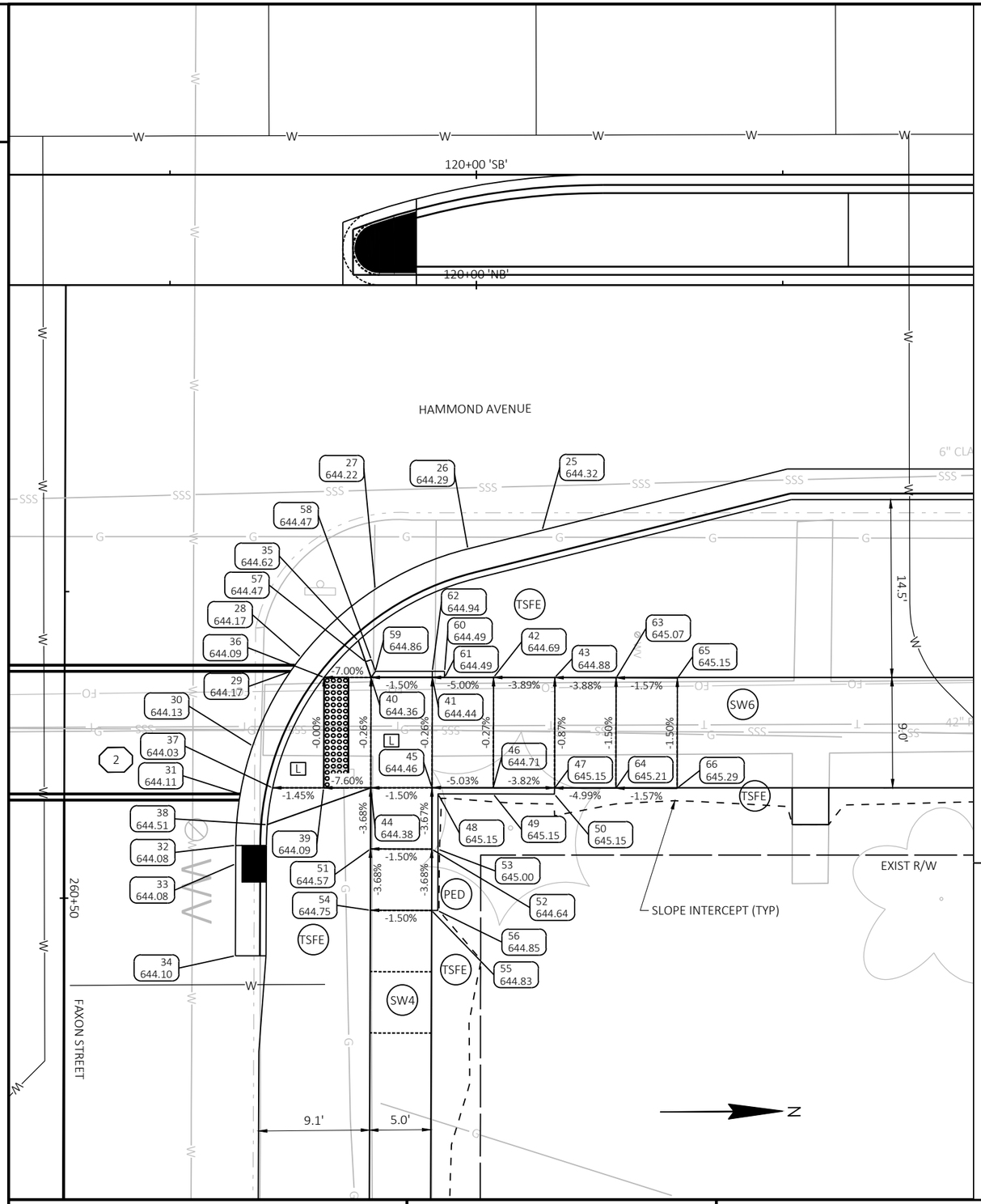
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LAYOUT NAME - 15 - FAXON ST
PLOT DATE : 7/30/2024 12:00 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



FAXON STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
30	119+35.09	28.95' LT	644.54	302089.86	148488.79
31	119+43.10	29.00' LT	644.52	302097.87	148488.80
32	119+33.24	31.50' LT	644.97	302088.03	148486.23
33	119+36.43	31.52' LT	644.46	302091.21	148486.23
34	119+41.43	31.52' LT	644.44	302096.21	148486.26
35	119+44.43	31.50' LT	644.93	302099.21	148486.31
36	119+36.43	37.52' LT	644.88	302091.26	148480.23
37	119+41.43	37.52' LT	644.86	302096.26	148480.26
38	119+26.43	40.00' LT	645.50	302081.27	148477.68
39	119+31.43	40.00' LT	645.30	302086.27	148477.72
40	119+36.43	40.00' LT	645.05	302091.27	148477.75
41	119+41.43	40.00' LT	645.04	302096.27	148477.79
42	119+47.24	40.00' LT	645.33	302102.09	148477.83
43	119+52.48	40.00' LT	645.42	302107.33	148477.86
44	119+26.43	45.00' LT	645.58	302081.31	148472.68
45	119+31.43	45.00' LT	645.38	302086.31	148472.72
46	119+36.43	45.00' LT	645.13	302091.31	148472.75
47	119+41.43	45.00' LT	645.11	302096.31	148472.79
48	119+47.24	45.00' LT	645.40	302102.12	148472.83
49	119+52.48	45.00' LT	645.49	302107.36	148472.86
50	119+31.43	45.50' LT	645.61	302086.31	148472.22
51	119+36.42	45.50' LT	645.61	302091.30	148472.25
52	119+41.43	45.50' LT	645.61	302096.31	148472.29
53	119+47.24	45.50' LT	645.40	302102.13	148472.33
61	119+26.43	45.50' LT	645.58	302081.31	148472.18

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING



LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
SW4	CONCRETE SIDEWALK 4-INCH
SW6	CONCRETE SIDEWALK 6-INCH
XXX	CURB RAMP TYPE
L	LEVEL LANDING

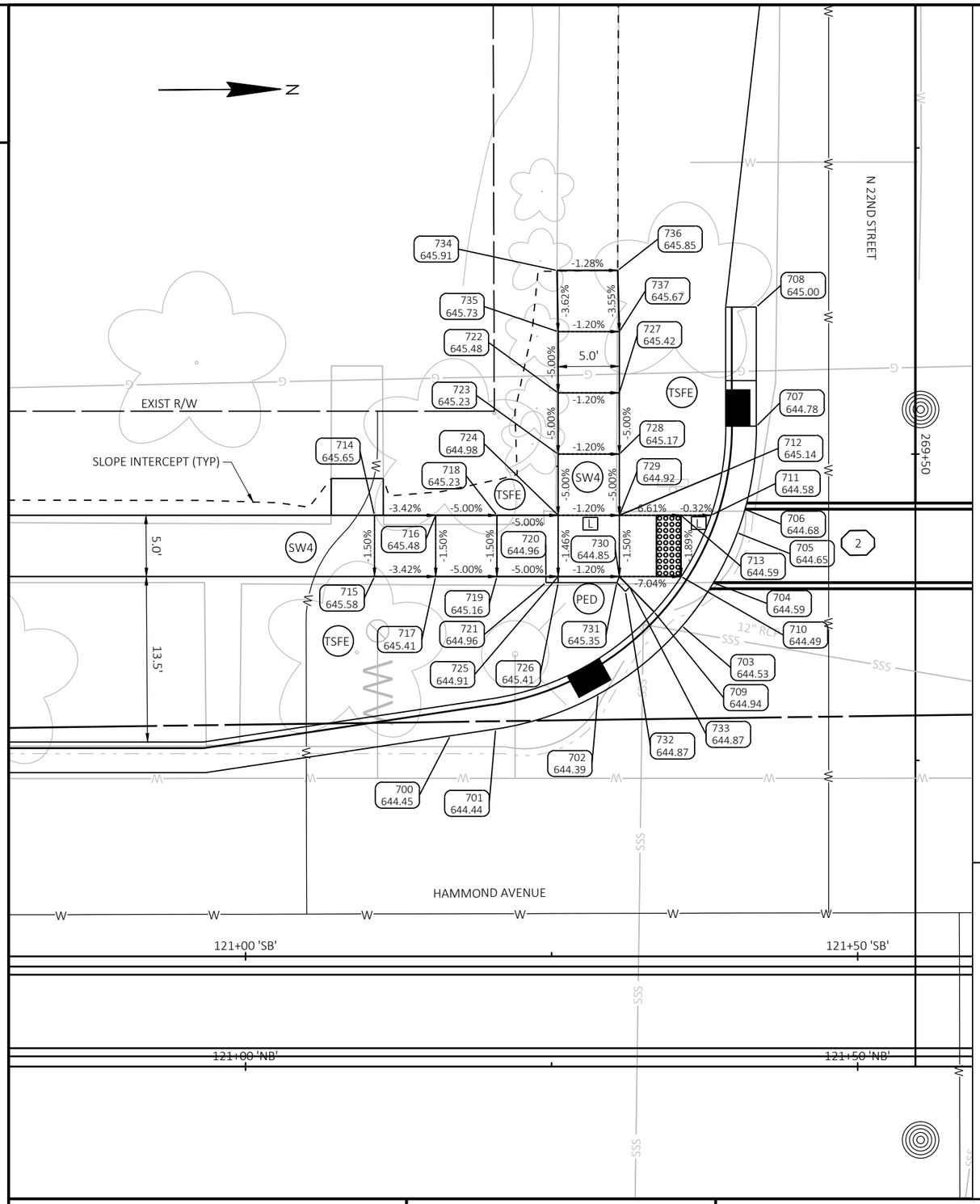
FAXON STREET NORTH EAST

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
25	120+05.36	20.00' RT	644.32	302159.79	148538.23
26	119+99.30	21.52' RT	644.29	302153.72	148539.70
27	119+91.75	24.80' RT	644.22	302146.15	148542.93
28	119+85.68	30.35' RT	644.17	302140.04	148548.44
29	119+84.83	31.50' RT	644.17	302139.18	148549.59
30	119+81.74	37.58' RT	644.13	302136.05	148555.64
31	119+80.73	41.50' RT	644.11	302135.01	148559.56
32	119+80.36	45.69' RT	644.08	302134.61	148563.74
33	119+80.36	47.19' RT	644.08	302134.59	148565.24
34	119+80.33	54.69' RT	644.10	302134.52	148572.74
35	119+90.36	29.00' RT	644.62	302144.72	148547.12
36	119+87.57	32.00' RT	644.09	302141.91	148550.10
37	119+83.37	41.00' RT	644.03	302137.65	148559.08
38	119+82.93	44.00' RT	644.51	302137.19	148562.07
39	119+87.54	41.00' RT	644.09	302141.82	148559.10
40	119+91.40	32.00' RT	644.36	302145.75	148550.13
41	119+96.40	32.00' RT	644.44	302150.75	148550.17
42	120+01.40	32.00' RT	644.69	302155.75	148550.20
43	120+06.40	32.02' RT	644.88	302160.75	148550.25
44	119+91.38	40.98' RT	644.38	302145.66	148559.11
45	119+96.38	40.98' RT	644.46	302150.66	148559.15
46	120+01.38	41.00' RT	644.71	302155.66	148559.20
47	120+06.38	41.03' RT	645.15	302160.66	148559.26
48	119+96.87	41.50' RT	645.15	302151.15	148559.67
49	120+01.37	41.50' RT	645.15	302155.65	148559.70
50	120+06.37	41.52' RT	645.15	302160.65	148559.75
51	119+91.36	45.98' RT	644.57	302145.61	148564.11
52	119+96.36	46.00' RT	644.64	302150.61	148564.17
53	119+96.86	46.00' RT	645.00	302151.11	148564.17
54	119+91.34	50.98' RT	644.75	302145.56	148569.11
55	119+96.34	51.00' RT	644.83	302150.56	148569.17
56	119+96.84	51.00' RT	644.85	302151.06	148569.17
57	119+90.96	30.72' RT	644.47	302145.31	148548.85
58	119+91.43	30.56' RT	644.47	302145.78	148548.69
59	119+91.76	31.50' RT	644.86	302146.11	148549.63
60	119+97.41	31.50' RT	644.49	302151.75	148549.67
61	119+97.40	32.00' RT	644.49	302151.75	148550.17
62	119+96.40	31.50' RT	644.94	302150.75	148549.67
63	120+11.40	32.03' RT	645.07	302165.75	148550.30
64	120+11.38	41.03' RT	645.21	302165.66	148559.30
65	120+16.40	32.05' RT	645.15	302170.75	148550.35
66	120+16.38	41.05' RT	645.29	302170.66	148559.35

2

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - FAXON STREET	SHEET 62	E

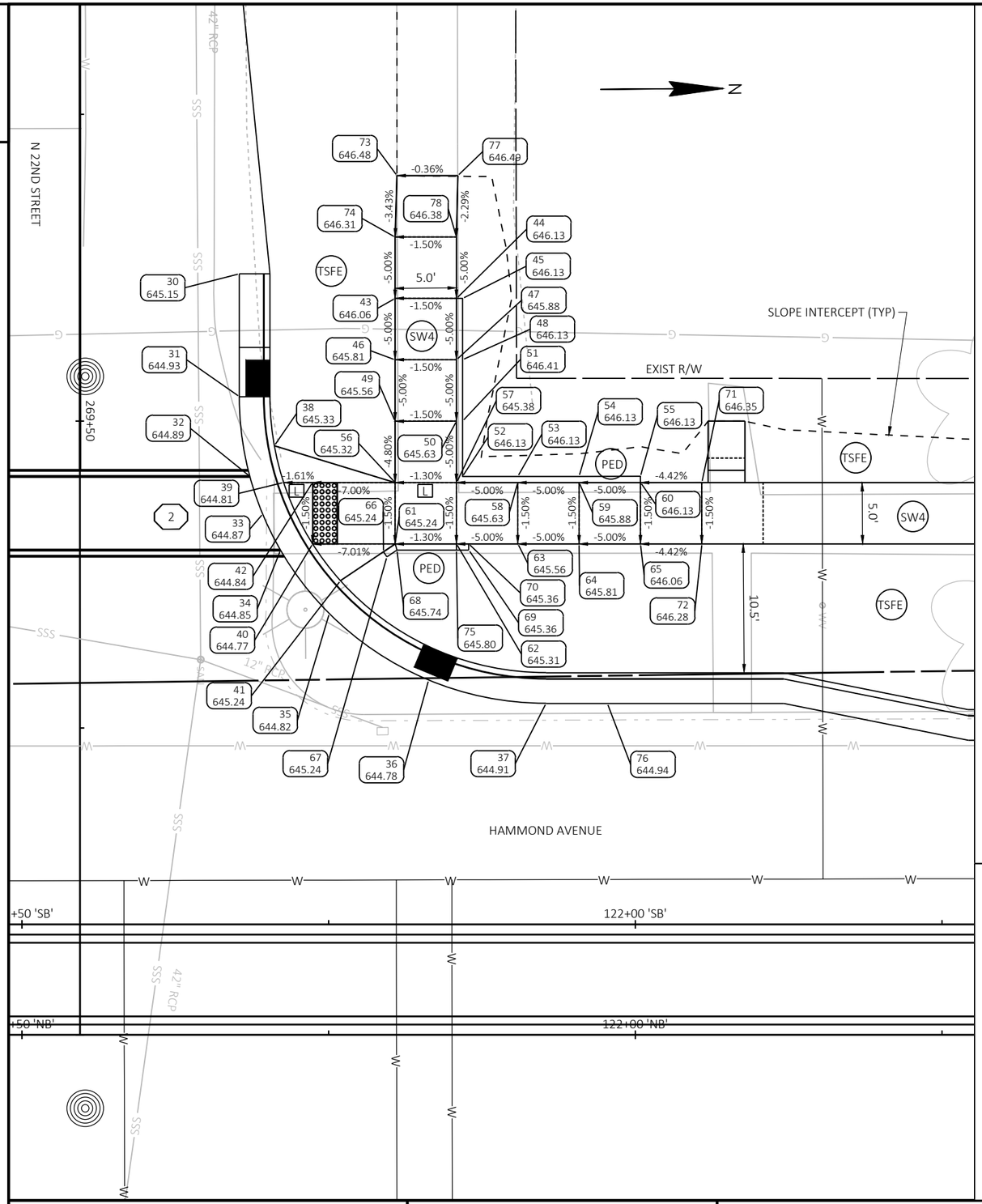
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LAYOUT NAME - 16 - FAXON ST
PLOT DATE : 7/30/2024 12:00 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
SW4	CONCRETE SIDEWALK 4-INCH
SW6	CONCRETE SIDEWALK 6-INCH
XXX	CURB RAMP TYPE
L	LEVEL LANDING

N 22ND STREET SOUTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
700	121+16.72	27.00' LT	644.45	302271.47	148492.00
701	121+20.43	27.56' LT	644.44	302275.19	148491.47
702	121+28.80	30.39' LT	644.39	302283.58	148488.69
703	121+35.67	35.97' LT	644.53	302290.48	148483.17
704	121+38.21	39.50' LT	644.59	302293.05	148479.65
705	121+40.16	43.58' LT	644.65	302295.03	148475.59
706	121+40.79	45.50' LT	644.68	302295.66	148473.67
707	121+41.72	52.29' LT	644.78	302296.65	148466.89
708	121+41.72	62.00' LT	645.00	302296.72	148457.18
709	121+33.36	37.13' LT	644.94	302288.18	148481.98
710	121+35.58	40.00' LT	644.49	302290.42	148479.13
711	121+38.01	45.00' LT	644.58	302292.89	148474.15
712	121+38.88	48.48' LT	645.14	302293.78	148470.67
713	121+35.58	45.00' LT	644.59	302290.45	148474.13
714	121+10.54	45.00' LT	645.65	302265.41	148473.96
715	121+10.54	40.00' LT	645.58	302265.38	148478.96
716	121+15.54	45.00' LT	645.48	302270.41	148474.00
717	121+15.54	40.00' LT	645.41	302270.38	148479.00
718	121+20.54	45.00' LT	645.23	302275.41	148474.03
719	121+20.54	40.00' LT	645.16	302275.38	148479.03
720	121+24.54	40.00' LT	644.96	302279.38	148479.06
721	121+24.54	39.50' LT	644.96	302279.38	148479.56
722	121+25.54	55.00' LT	645.48	302280.48	148464.06
723	121+25.54	50.00' LT	645.23	302280.45	148469.06
724	121+25.54	45.00' LT	644.98	302280.41	148474.06
725	121+25.54	40.00' LT	644.91	302280.38	148479.06
726	121+25.54	39.50' LT	645.41	302280.38	148479.56
727	121+30.54	55.00' LT	645.42	302285.48	148464.10
728	121+30.54	50.00' LT	645.17	302285.45	148469.10
729	121+30.54	45.00' LT	644.92	302285.41	148474.10
730	121+30.54	40.00' LT	644.85	302285.38	148479.10
731	121+30.33	39.50' LT	645.35	302285.17	148479.60
732	121+31.03	38.79' LT	644.87	302285.86	148480.31
733	121+31.39	39.14' LT	644.87	302286.22	148479.97
734	121+25.45	65.00' LT	645.91	302280.47	148454.06
735	121+25.54	60.00' LT	645.73	302280.52	148459.06
736	121+30.40	65.00' LT	645.85	302285.42	148454.10
737	121+30.54	60.00' LT	645.67	302285.52	148459.10



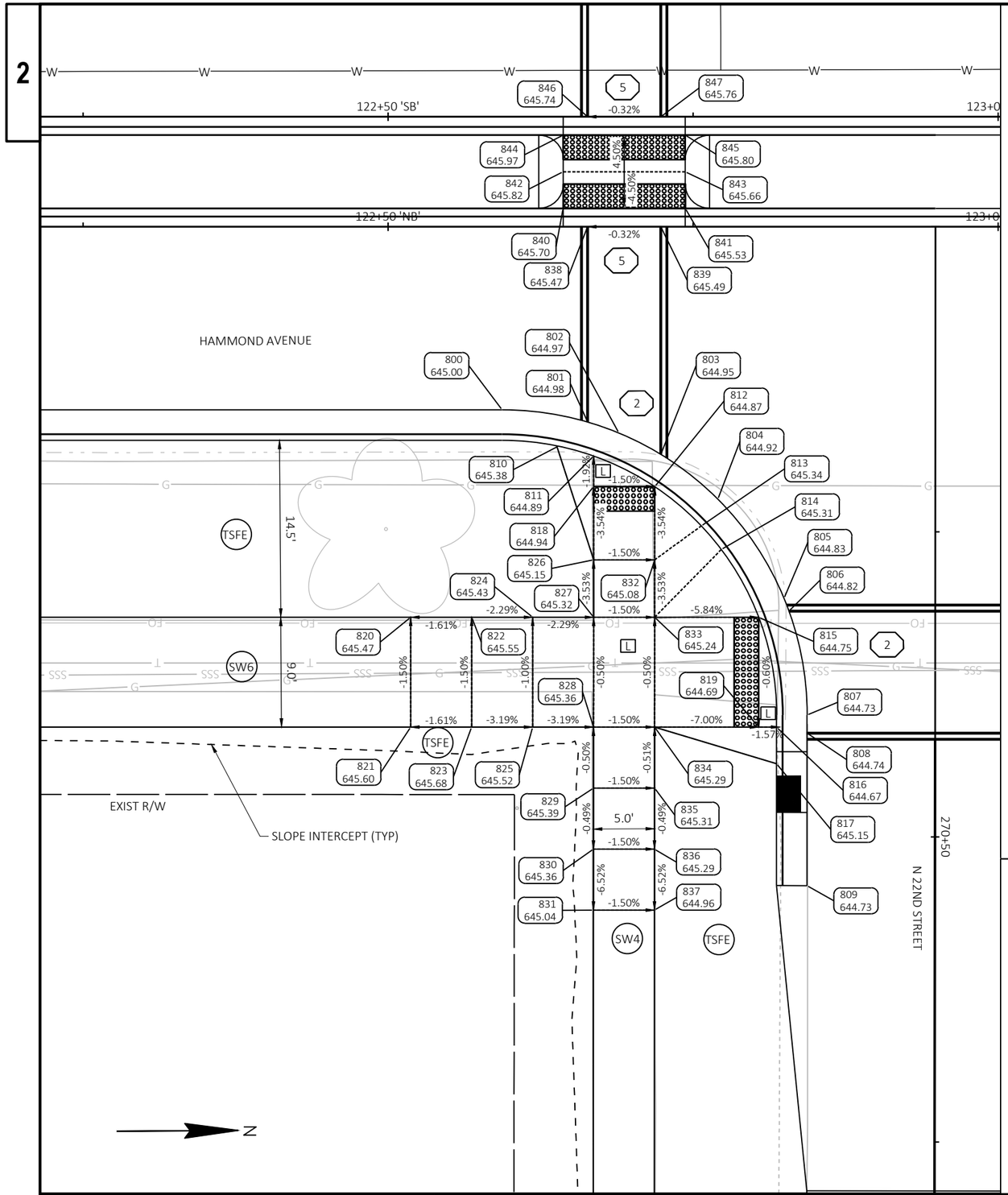
N 22ND STREET NORTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
30	121+67.72	62.00' LT	645.15	302322.71	148457.35
31	121+67.72	52.00' LT	644.93	302322.65	148467.36
32	121+68.58	45.50' LT	644.89	302323.46	148473.86
33	121+69.63	42.43' LT	644.87	302324.48	148476.94
34	121+71.07	39.50' LT	644.85	302325.91	148479.88
35	121+75.05	34.32' LT	644.82	302329.85	148485.09
36	121+83.16	28.90' LT	644.78	302337.92	148490.56
37	121+92.72	27.00' LT	644.91	302347.47	148492.53
38	121+70.58	48.00' LT	645.33	302325.48	148471.38
39	121+71.34	45.00' LT	644.81	302326.21	148474.38
40	121+73.69	40.00' LT	644.77	302328.53	148479.40
41	121+75.95	37.00' LT	645.24	302330.77	148482.41
42	121+73.69	45.00' LT	644.84	302328.56	148474.40
43	121+80.42	60.00' LT	646.06	302335.40	148459.45
44	121+85.42	60.00' LT	646.13	302340.40	148459.48
45	121+85.92	60.00' LT	646.13	302340.90	148459.48
46	121+80.42	55.00' LT	645.81	302335.36	148464.45
47	121+85.42	55.00' LT	645.88	302340.36	148464.48
48	121+85.92	55.00' LT	646.13	302340.86	148464.48
49	121+80.42	50.00' LT	645.56	302335.33	148469.45
50	121+85.42	50.00' LT	645.63	302340.33	148469.48
51	121+85.93	50.01' LT	646.41	302340.84	148469.47
52	121+85.92	45.50' LT	646.13	302340.80	148473.98
53	121+90.42	45.50' LT	646.13	302345.30	148474.01
54	121+95.42	45.50' LT	646.13	302350.30	148474.05
55	122+00.42	45.50' LT	646.13	302355.30	148474.08
56	121+80.42	45.00' LT	645.32	302335.29	148474.45
57	121+85.42	45.00' LT	645.38	302340.29	148474.48
58	121+90.42	45.00' LT	645.63	302345.29	148474.51
59	121+95.42	45.00' LT	645.88	302350.29	148474.55

N 22ND STREET NORTH WEST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
60	122+00.42	45.00' LT	646.13	302355.29	148474.58
61	121+80.42	40.00' LT	645.24	302335.26	148479.45
62	121+85.42	40.00' LT	645.31	302340.26	148479.48
63	121+90.42	40.00' LT	645.56	302345.26	148479.51
64	121+95.42	40.00' LT	645.81	302350.26	148479.55
65	122+00.42	40.00' LT	646.06	302355.26	148479.58
66	121+79.46	39.36' LT	645.24	302334.30	148480.08
67	121+79.74	38.94' LT	645.24	302334.57	148480.50
68	121+80.57	39.50' LT	645.74	302335.41	148479.95
69	121+86.42	39.50' LT	645.36	302341.26	148479.99
70	121+86.42	40.00' LT	645.36	302341.26	148479.49
71	122+05.42	45.00' LT	646.35	302360.29	148474.62
72	122+05.42	40.00' LT	646.28	302360.26	148479.62
73	121+80.57	70.00' LT	646.48	302335.62	148449.45
74	121+80.42	65.00' LT	646.31	302335.43	148454.45
75	121+85.42	39.50' LT	645.80	302340.26	148479.98
76	121+97.72	27.00' LT	644.94	302352.47	148492.57
77	121+85.53	70.00' LT	646.49	302340.58	148449.48
78	121+85.42	65.00' LT	646.38	302340.43	148454.48

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
SW4	CONCRETE SIDEWALK 4-INCH
SW6	CONCRETE SIDEWALK 6-INCH
XXX	CURB RAMP TYPE
L	LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 22ND STREET	SHEET 64	E

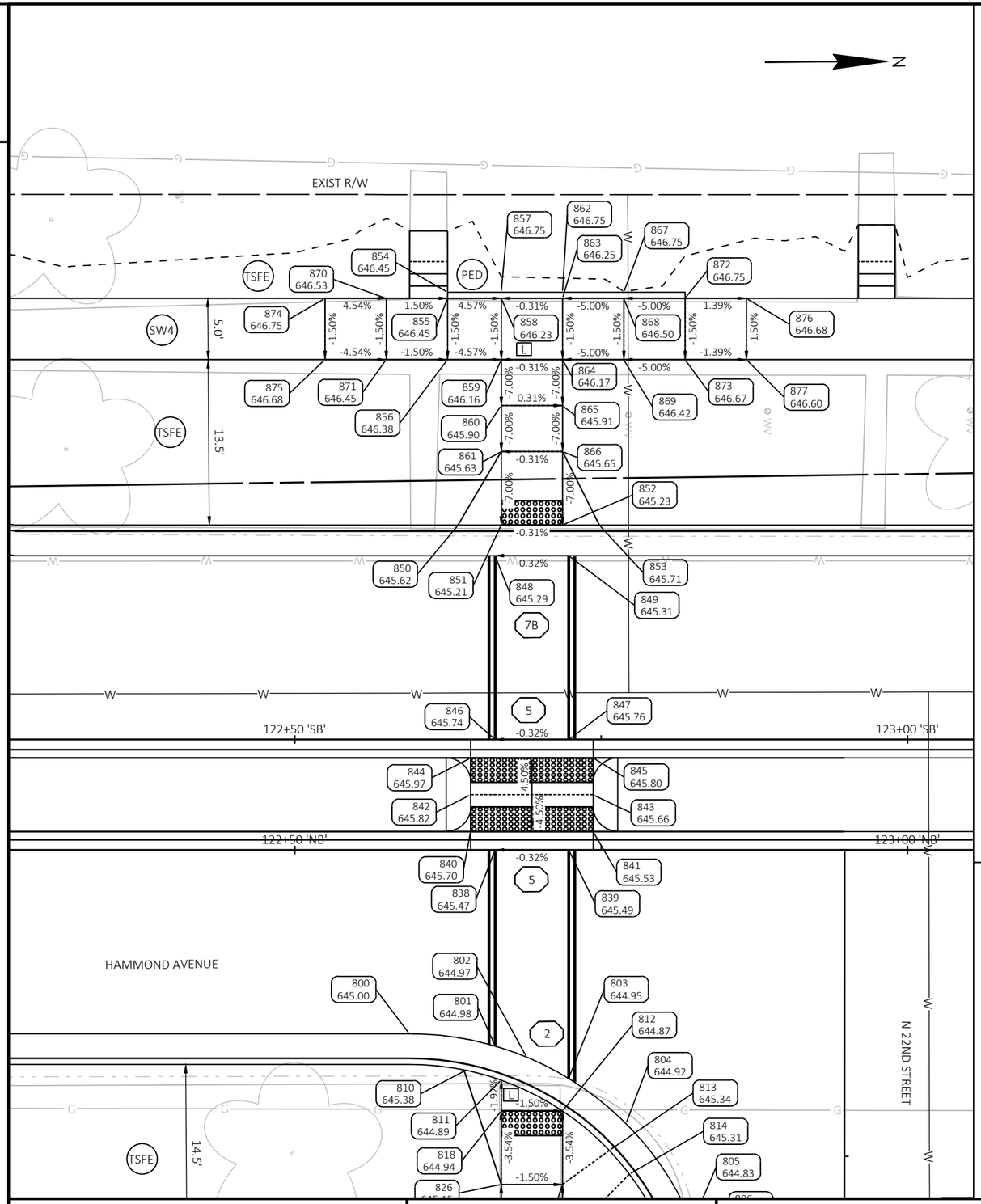


N 22ND STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	122+59.34	15.00' RT	645.00	302413.80	148534.99
801	122+66.35	16.00' RT	644.98	302420.80	148536.04
802	122+68.91	16.90' RT	644.97	302423.36	148536.96
803	122+72.35	18.65' RT	644.95	302426.78	148538.73
804	122+77.03	22.33' RT	644.92	302431.43	148542.44
805	122+82.44	30.45' RT	644.83	302436.79	148550.60
806	122+82.85	31.50' RT	644.82	302437.19	148551.65
807	122+84.34	40.02' RT	644.73	302438.62	148560.19
808	122+84.34	41.50' RT	644.74	302438.61	148561.66
809	122+84.33	53.99' RT	644.73	302438.51	148574.16
810	122+63.96	17.98' RT	645.38	302418.39	148538.00
811	122+66.85	18.79' RT	644.89	302421.28	148538.83
812	122+71.85	21.30' RT	644.87	302426.26	148541.37
813	122+75.67	24.52' RT	645.34	302430.06	148544.63
814	122+77.31	26.45' RT	645.31	302431.68	148546.57
815	122+80.37	32.00' RT	644.75	302434.71	148552.14
816	122+81.84	41.01' RT	644.67	302436.11	148561.16
817	122+81.84	44.00' RT	645.15	302436.09	148564.15
818	122+66.85	21.30' RT	644.94	302421.26	148541.34
819	122+80.37	41.00' RT	644.69	302434.65	148561.14
820	122+51.85	32.00' RT	645.47	302406.19	148551.94
821	122+51.85	41.00' RT	645.60	302406.12	148560.94
822	122+56.85	32.00' RT	645.55	302411.19	148551.97
823	122+56.85	41.00' RT	645.68	302411.12	148560.97
824	122+61.85	32.00' RT	645.43	302416.19	148552.01
825	122+61.85	41.00' RT	645.52	302416.12	148561.01
826	122+66.85	27.30' RT	645.15	302421.22	148547.34
827	122+66.85	32.00' RT	645.32	302421.19	148552.04
828	122+66.84	41.00' RT	645.36	302421.12	148561.04
829	122+66.84	46.00' RT	645.39	302421.08	148566.04
830	122+66.83	51.00' RT	645.36	302421.04	148571.04
831	122+66.83	56.00' RT	645.04	302421.00	148576.04
832	122+71.85	27.30' RT	645.08	302426.22	148547.37
833	122+71.85	32.00' RT	645.24	302426.19	148552.08
834	122+71.84	41.00' RT	645.29	302426.12	148561.08
835	122+71.84	46.00' RT	645.31	302426.08	148566.08
836	122+71.83	51.00' RT	645.29	302426.04	148571.08
837	122+71.83	56.00' RT	644.96	302426.00	148576.08

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 22ND STREET	SHEET 65	E

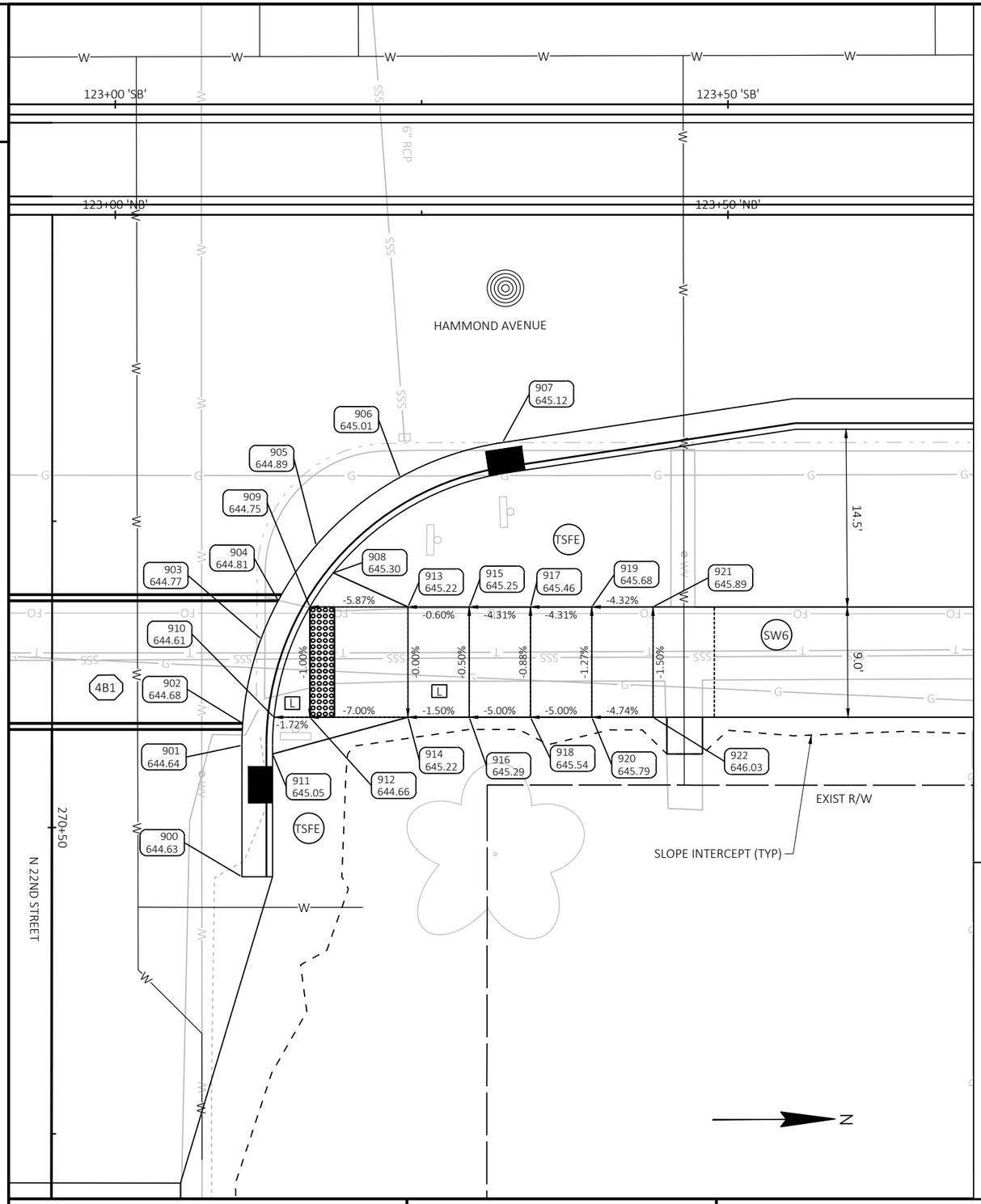


N 22ND STREET SOUTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
838	122+66.35	0.00'	645.47	302420.91	148520.04
839	122+72.35	0.00'	645.49	302426.91	148520.08
840	122+64.35	1.50' LT	645.70	302418.92	148518.53
841	122+74.35	1.50' LT	645.53	302428.92	148518.60
842	122+64.35	4.50' LT	645.82	302418.94	148515.53
843	122+74.35	4.50' LT	645.66	302428.94	148515.60
844	122+64.35	7.50' LT	645.97	302418.96	148512.53
845	122+74.35	7.50' LT	645.80	302428.96	148512.60
846	122+66.35	9.00' LT	645.74	302420.97	148511.04
847	122+72.35	9.00' LT	645.76	302426.97	148511.08
848	122+66.35	24.00' LT	645.29	302421.07	148496.04
849	122+72.35	24.00' LT	645.31	302427.07	148496.08
850	122+63.33	26.50' LT	645.62	302418.07	148493.52
851	122+66.85	26.50' LT	645.21	302421.59	148493.54
852	122+71.85	26.50' LT	645.23	302426.59	148493.58
853	122+74.85	26.50' LT	645.71	302429.59	148493.60
854	122+62.47	45.50' LT	646.45	302417.34	148474.52
855	122+62.47	45.00' LT	646.45	302417.34	148475.02
856	122+62.47	40.00' LT	646.38	302417.30	148480.01
857	122+66.85	45.50' LT	646.75	302421.72	148474.55
858	122+66.85	45.00' LT	646.23	302421.72	148475.05
859	122+66.85	40.00' LT	646.16	302421.68	148480.05
860	122+66.85	36.25' LT	645.90	302421.66	148483.80
861	122+66.85	32.50' LT	645.63	302421.63	148487.55
862	122+71.84	45.50' LT	646.75	302426.72	148474.58
863	122+71.85	45.00' LT	646.25	302426.72	148475.08
864	122+71.85	40.00' LT	646.17	302426.68	148480.08
865	122+71.85	36.25' LT	645.91	302426.66	148483.83
866	122+71.85	32.50' LT	645.65	302426.63	148487.58
867	122+76.85	45.50' LT	646.75	302431.72	148474.61
868	122+76.85	45.00' LT	646.50	302431.72	148475.11
869	122+76.85	40.00' LT	646.42	302431.68	148480.11
870	122+57.47	45.00' LT	646.53	302412.34	148474.98
871	122+57.47	40.00' LT	646.45	302412.31	148479.98
872	122+81.85	45.00' LT	646.75	302436.72	148475.15
873	122+81.85	40.00' LT	646.67	302436.68	148480.15
874	122+52.47	45.00' LT	646.75	302407.34	148474.95
875	122+52.47	40.00' LT	646.68	302407.31	148479.95
876	122+86.85	45.00' LT	646.68	302441.72	148475.18
877	122+86.85	40.00' LT	646.60	302441.68	148480.18

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 22ND STREET	SHEET 66	E



N 22ND STREET NORTH EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
900	123+10.33	54.01' RT	644.63	302464.51	148574.36
901	123+10.34	43.29' RT	644.64	302464.60	148563.64
902	123+10.38	41.50' RT	644.68	302464.65	148561.85
903	123+11.90	34.60' RT	644.77	302466.22	148554.95
904	123+13.30	31.50' RT	644.81	302467.64	148551.87
905	123+16.39	26.99' RT	644.89	302470.76	148547.38
906	123+23.25	21.43' RT	645.01	302477.65	148541.86
907	123+31.61	18.59' RT	645.12	302486.03	148539.08
908	123+17.79	29.23' RT	645.30	302472.14	148549.62
909	123+15.89	32.00' RT	644.75	302470.22	148552.38
910	123+12.96	41.00' RT	644.61	302467.23	148561.36
911	123+12.84	44.00' RT	645.05	302467.09	148564.36
912	123+15.89	41.00' RT	644.66	302470.16	148561.38
913	123+23.88	32.00' RT	645.22	302478.22	148552.44
914	123+23.88	41.00' RT	645.22	302478.15	148561.44
915	123+28.88	32.00' RT	645.25	302483.22	148552.47
916	123+28.88	41.00' RT	645.29	302483.15	148561.47
917	123+33.88	32.00' RT	645.46	302488.22	148552.51
918	123+33.88	41.00' RT	645.54	302488.15	148561.51
919	123+38.88	32.00' RT	645.68	302493.22	148552.54
920	123+38.88	41.00' RT	645.79	302493.15	148561.54
921	123+43.88	32.00' RT	645.89	302498.22	148552.58
922	123+43.88	41.00' RT	646.03	302498.15	148561.58

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- XXX — CURB RAMP TYPE
- L — LEVEL LANDING

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CURB RAMP DETAILS - N 22ND STREET	SHEET 67	E

2

2

EXISTING TREE CANOPY (TYP)

N

EXIST R/W

MATCH LINE 105+00

101'SB' 102'SB' 103'SB' 104'SB'

101'NB' 102'NB' 103'NB' 104'NB'

HAMMOND AVENUE

BEGIN PROJECT
STA 101+00.00'NB'

EXIST R/W

N 27TH STREET

END CONSTRUCTION
STA 201+03.00

LEGEND

- SLOPE INTERCEPT
- (X) ■ INLET PROTECTION TYPE A OR D
- T TREE PROTECTION TYPE 1

N 26TH STREET

BEGIN CONSTRUCTION
STA 209+12.97

MATCH LINE 105+00

MATCH LINE 110+50

106'SB' 107'SB' 108'SB' 109'SB' 110'SB'

106'NB' 107'NB' 108'NB' 109'NB' 110'NB'

HAMMOND AVENUE

EXIST R/W

EXISTING TREE CANOPY (TYP)

N 25TH STREET

END CONSTRUCTION
STA 230+87.00

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	DOUNTY: DOUGLAS	EROSION CONTROL	SHEET 68	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\022001_EC.DWG
LAYOUT NAME - 01

PLOT DATE : 7/30/2024 11:27 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SDALE : 1 IN:40 FT

2

2

LEGEND

SLOPE INTERCEPT

INLET PROTECTION TYPE A OR D

TREE PROTECTION TYPE 1

BEGIN CONSTRUCTION
STA 239+15.00

N 24TH STREET

MATCH LINE 110+50

MATCH LINE 116+00

HAMMOND AVENUE

EXIST R/W

CAUTION

END CONSTRUCTION
STA 241+06.00

EXISTING TREE CANOPY (TYP)

BEGIN CONSTRUCTION
STA 248+75.00

N 23RD STREET

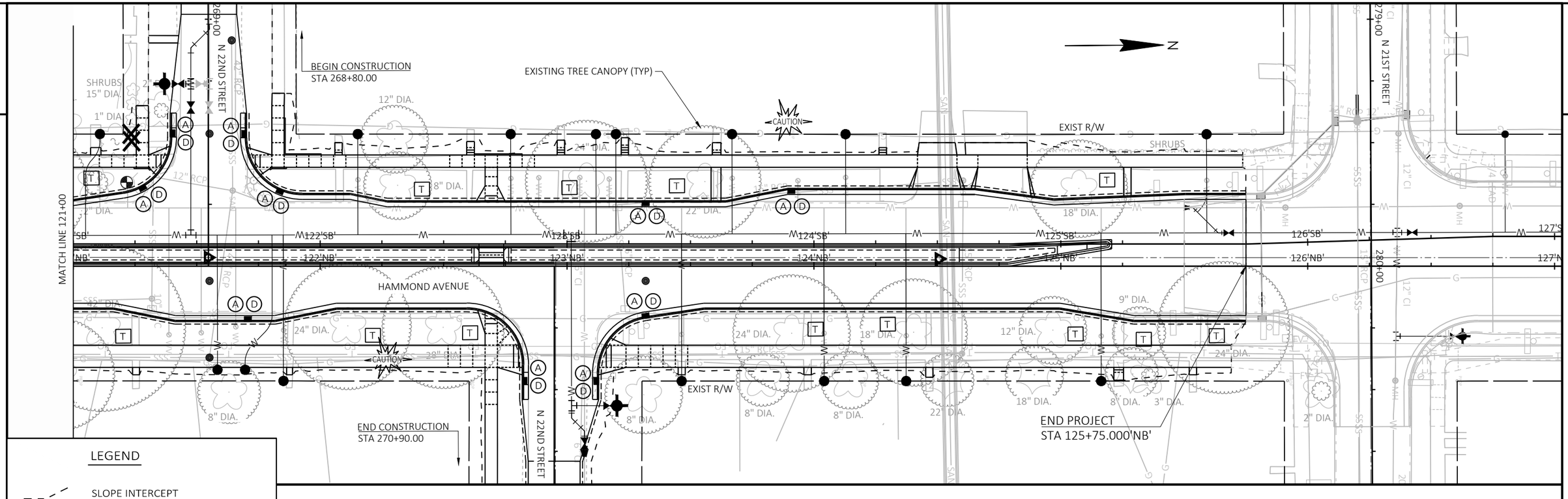
END CONSTRUCTION
STA 250+82.00

FAXON STREET

END CONSTRUCTION
STA 260+90.00

MATCH LINE 121+00

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	DOUNTY: DOUGLAS	EROSION CONTROL	SHEET 69	E



LEGEND

- SLOPE INTERCEPT
- (X) INLET PROTECTION TYPE A OR D
- T TREE PROTECTION TYPE 1

2

LEGEND

1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 1-INCH

1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

12-INCH X 12-INCH DROP VAULT ①

24-INCH X 36-INCH VAULT ②

N

1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 1-INCH (TYP)

1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (TYP)

24-INCH X 36-INCH VAULT (TYP)

12-INCH X 12-INCH DROP VAULT

N 26TH STREET

209+00

201+00 N 27TH STREET

HAMMOND AVENUE

101'SB' 102'SB' 103'SB' 104'SB' 105'SB' 106'SB'

101'NB' 102'NB' 103'NB' 104'NB' 105'NB' 106'NB'

MATCHLINE STA 106+75.00

2

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CONDUIT PLAN	SHEET 71	E

2

LEGEND

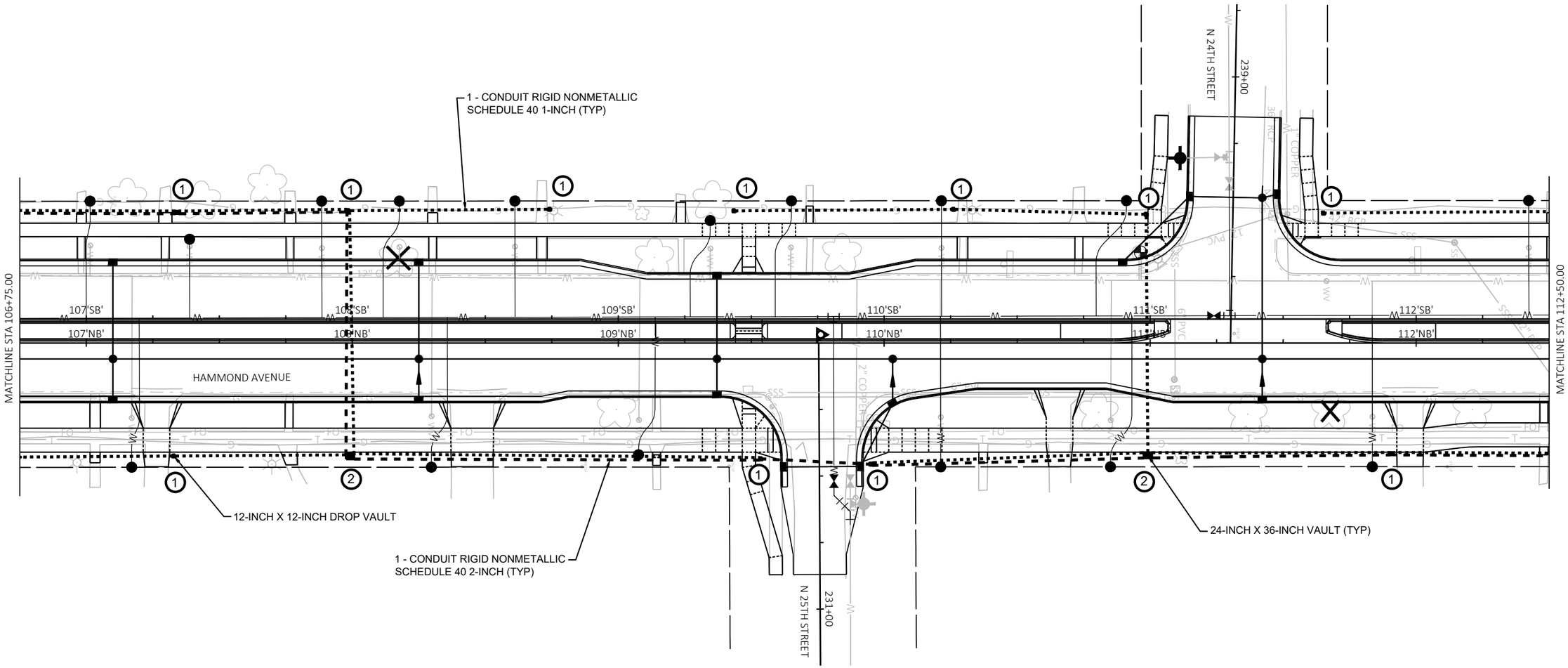
1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 1-INCH

1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

12-INCH X 12-INCH DROP VAULT ①

24-INCH X 36-INCH VAULT ②

N



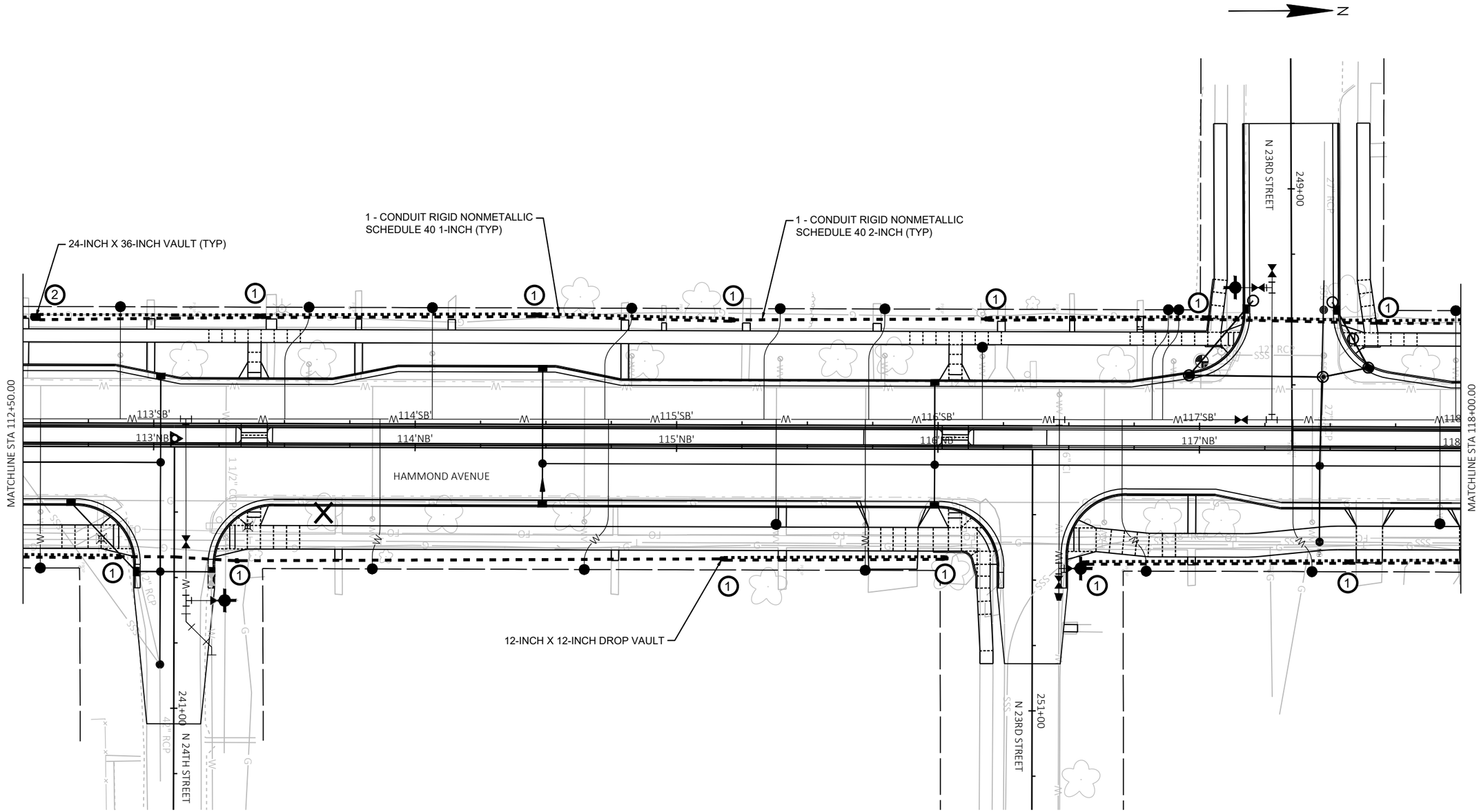
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CONDUIT PLAN	SHEET 72	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\022501_SS - CONDUIT.DWG
LAYOUT NAME - 02

PLOT DATE : 10/16/2024 2:28 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2



LEGEND

1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 1-INCH

1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

12-INCH X 12-INCH DROP VAULT (1)

24-INCH X 36-INCH VAULT (2)

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CONDUIT PLAN	SHEET 73	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\022501_SS - CONDUIT.DWG
LAYOUT NAME - 03
PLOT DATE : 10/16/2024 2:28 PM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

LEGEND

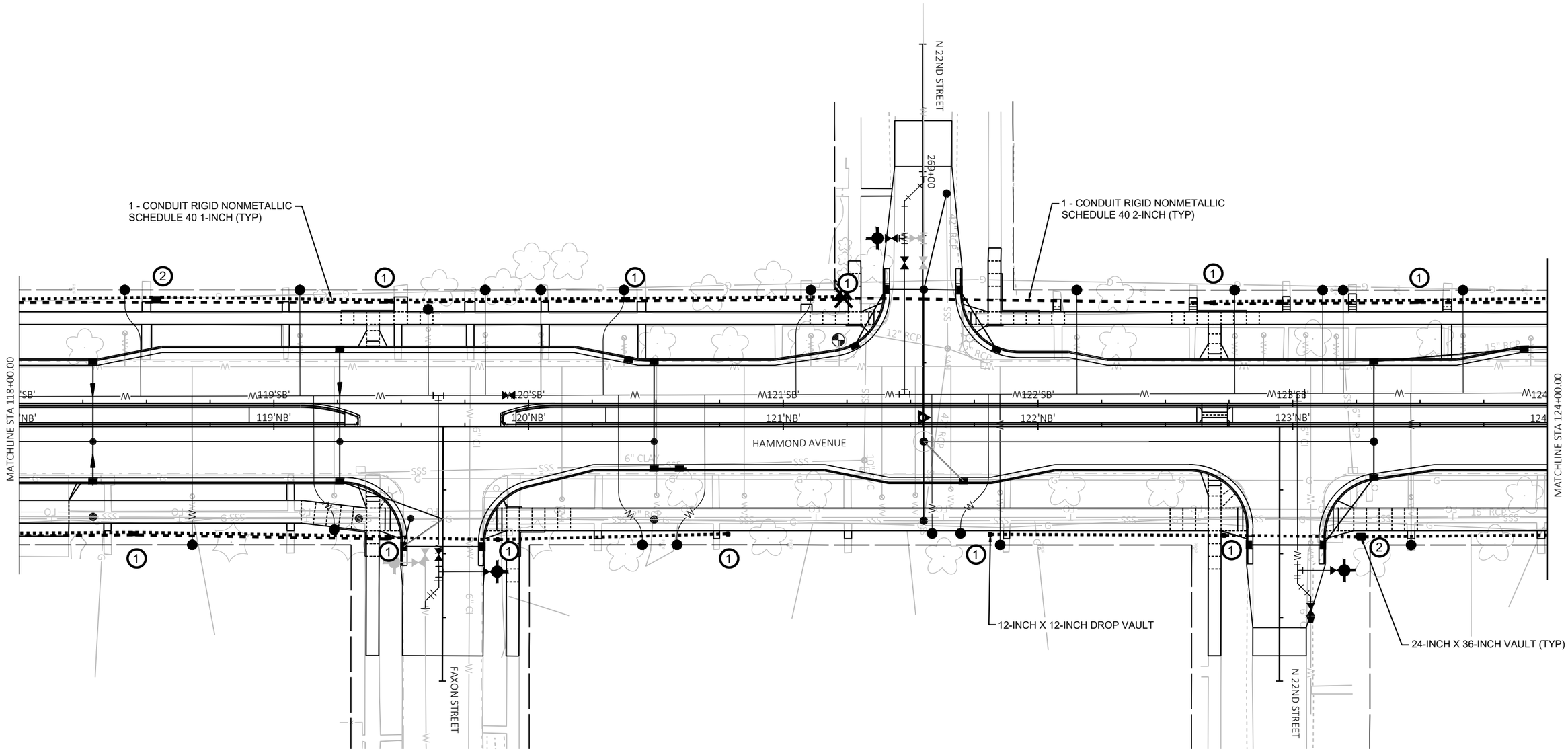
1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 1-INCH

1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

12-INCH X 12-INCH DROP VAULT ①

24-INCH X 36-INCH VAULT ②

N



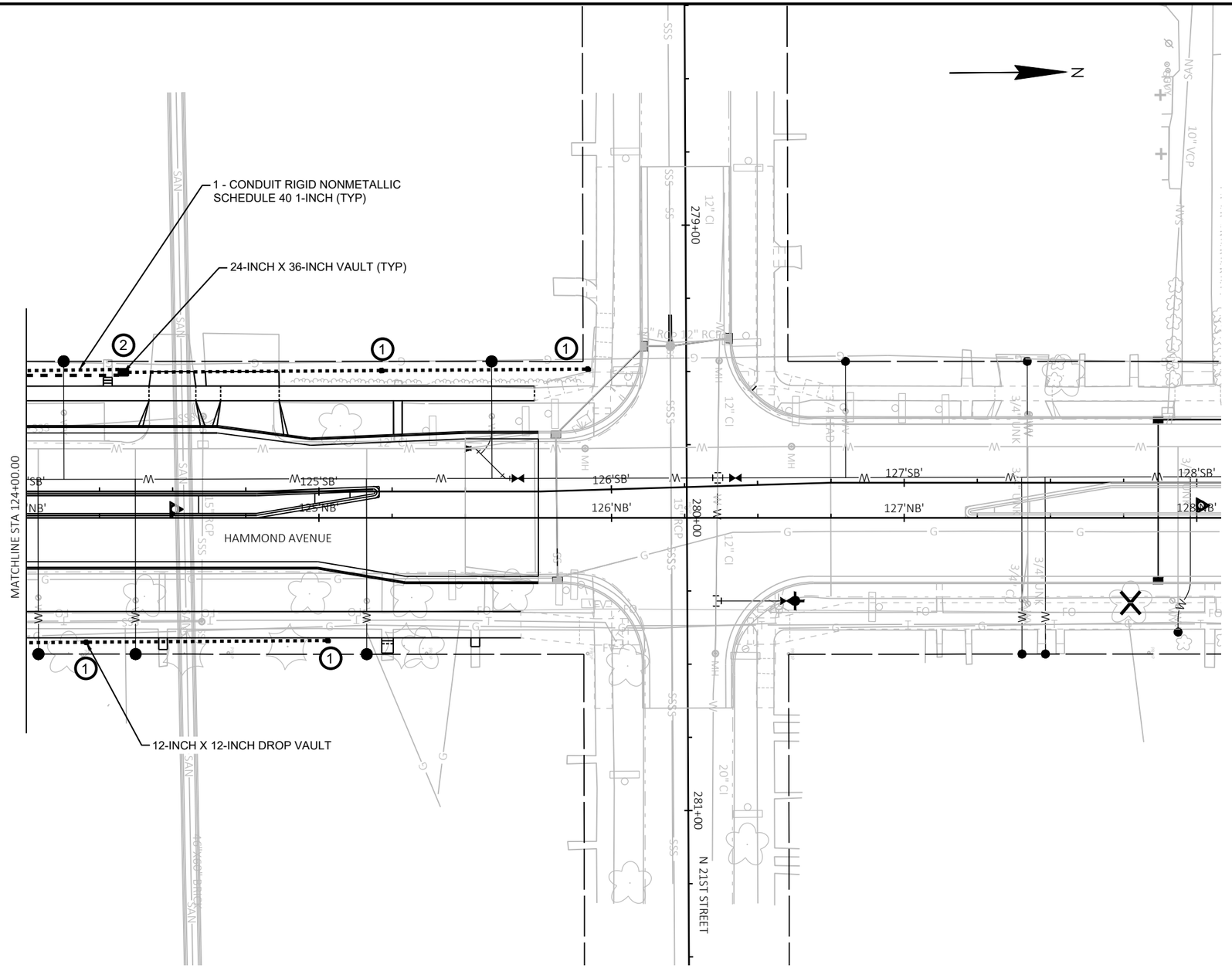
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CONDUIT PLAN	SHEET 74	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\022501_SS - CONDUIT.DWG
LAYOUT NAME - 04

PLOT DATE : 10/16/2024 2:28 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2



LEGEND

1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 1-INCH

1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

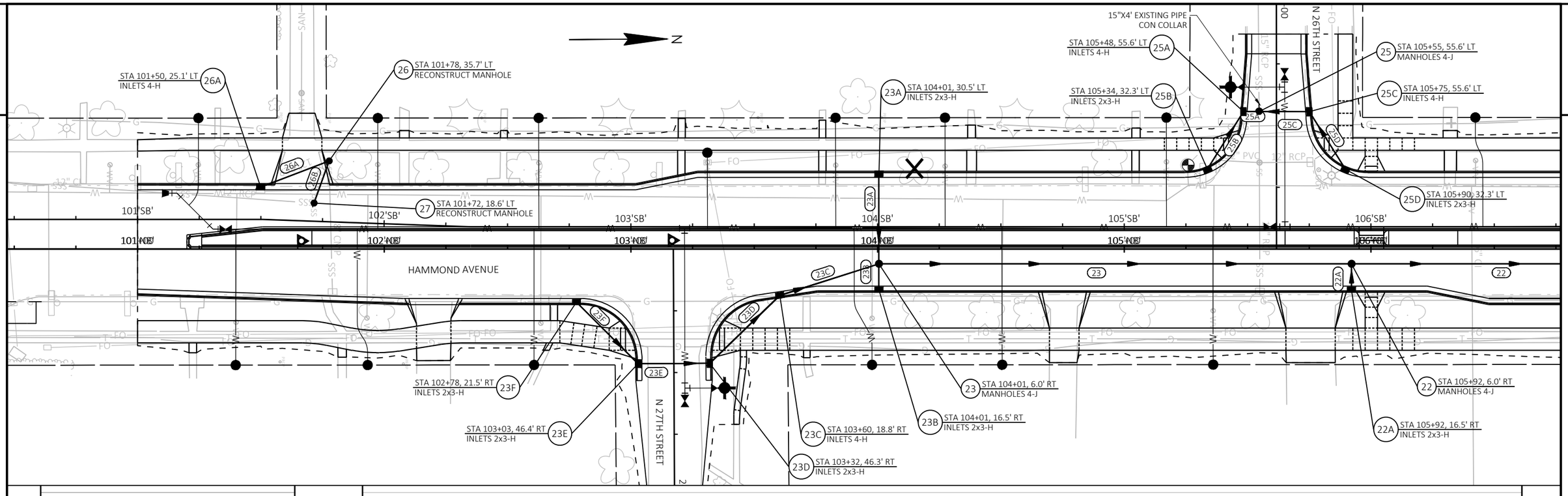
12-INCH X 12-INCH DROP VAULT (1)

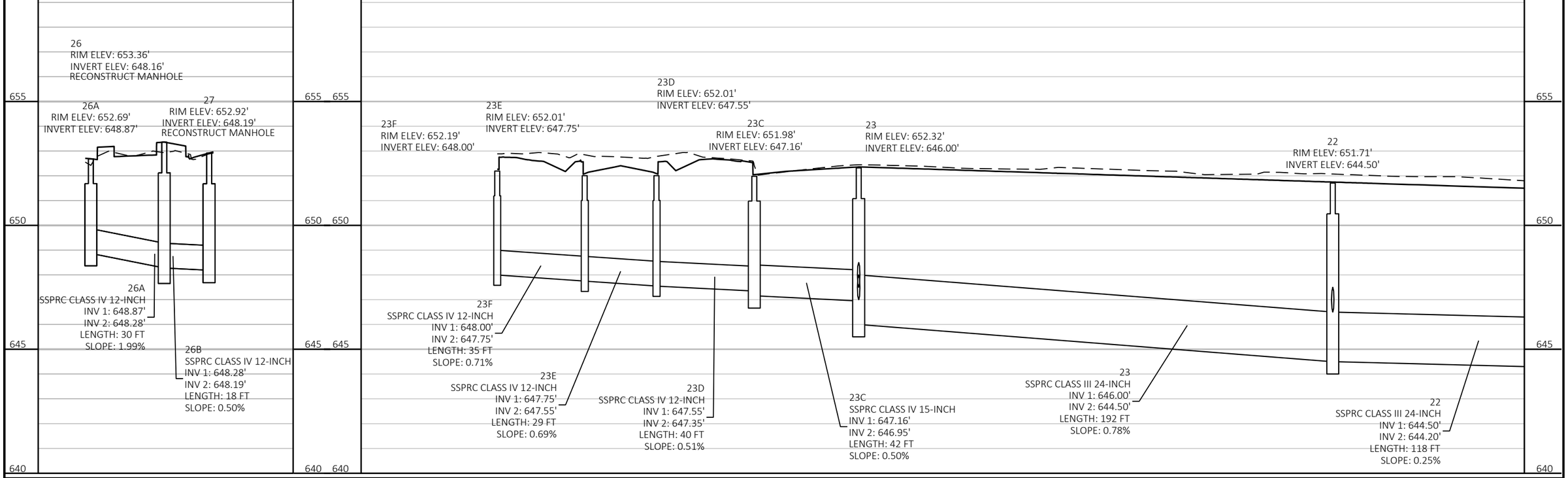
24-INCH X 36-INCH VAULT (2)

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CONDUIT PLAN	SHEET 75	E

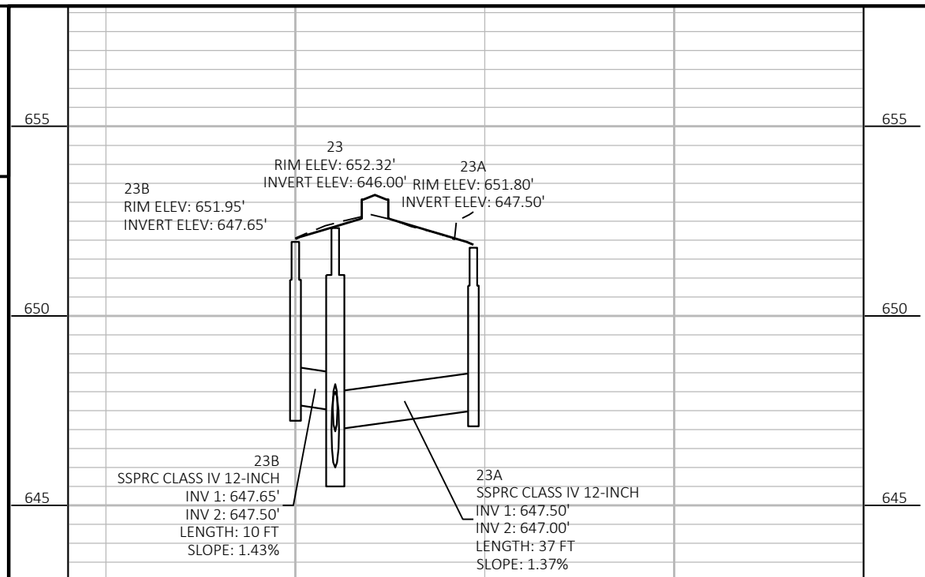
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\022501_SS - CONDUIT.DWG
LAYOUT NAME - 05

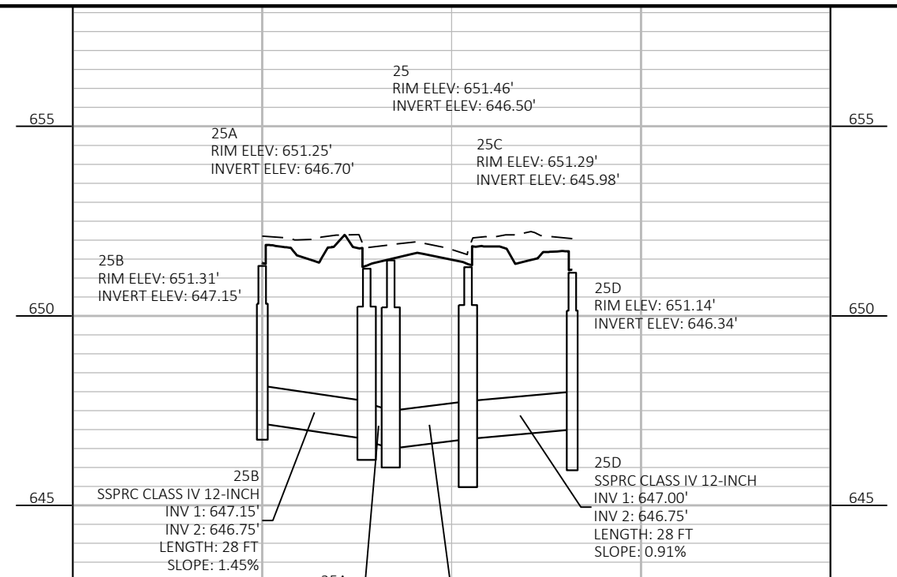
PLOT DATE : 10/16/2024 2:28 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

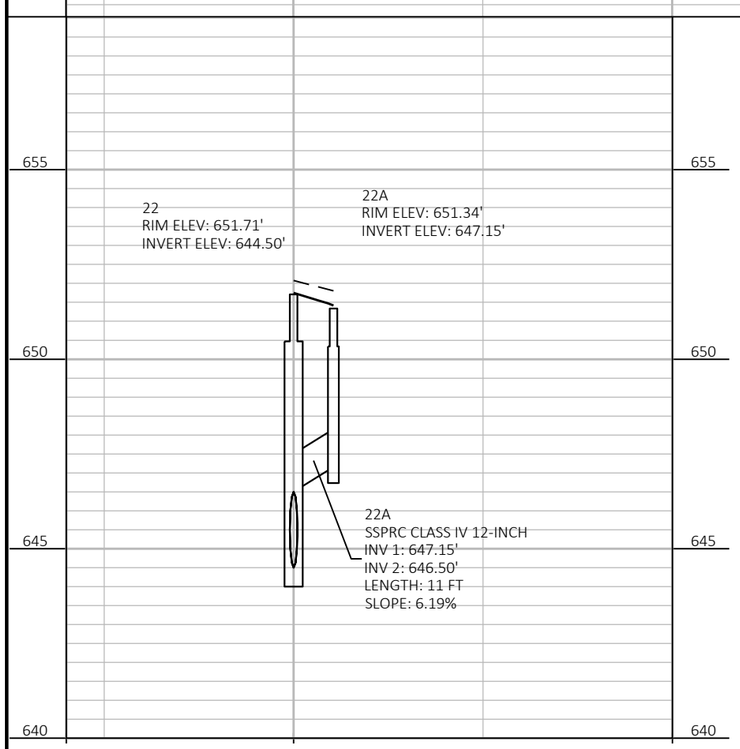


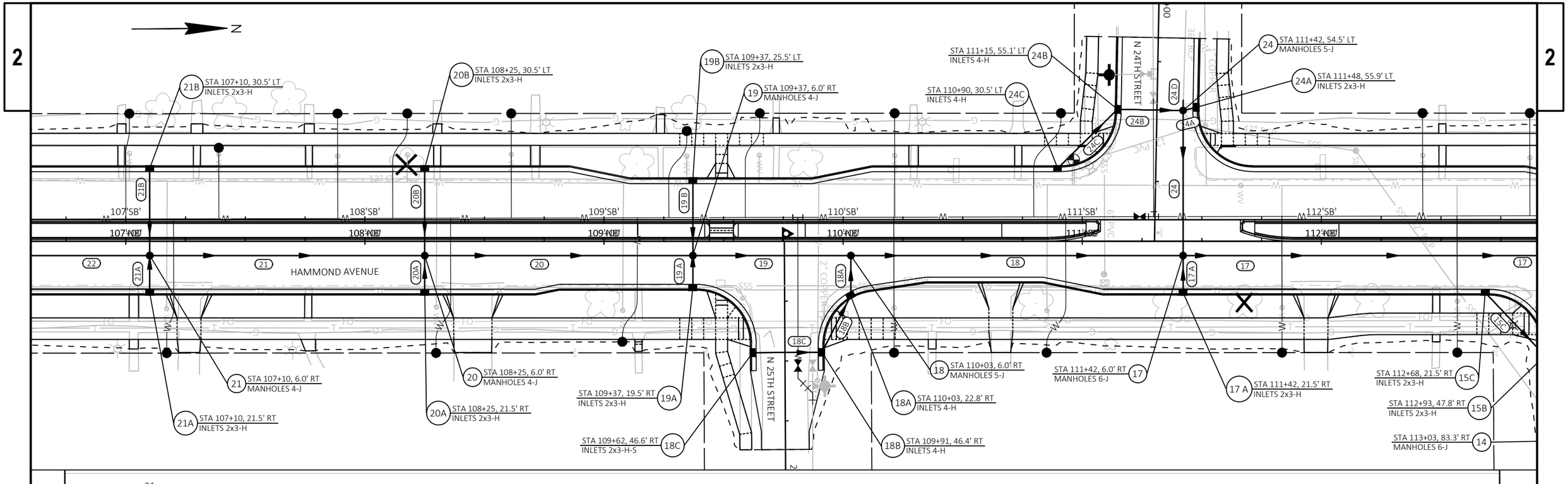


PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	STORM SEWER	SHEET 76	E


655
650
645
640
23
RIM ELEV: 652.32'
INVERT ELEV: 646.00'
23A
RIM ELEV: 651.80'
INVERT ELEV: 647.50'
23B
RIM ELEV: 651.95'
INVERT ELEV: 647.65'
23B
SSPRC CLASS IV 12-INCH
INV 1: 647.65'
INV 2: 647.50'
LENGTH: 10 FT
SLOPE: 1.43%
23A
SSPRC CLASS IV 12-INCH
INV 1: 647.50'
INV 2: 647.00'
LENGTH: 37 FT
SLOPE: 1.37%


655
650
645
640
25
RIM ELEV: 651.46'
INVERT ELEV: 646.50'
25A
RIM ELEV: 651.25'
INVERT ELEV: 646.70'
25C
RIM ELEV: 651.29'
INVERT ELEV: 645.98'
25B
RIM ELEV: 651.31'
INVERT ELEV: 647.15'
25D
RIM ELEV: 651.14'
INVERT ELEV: 646.34'
25B
SSPRC CLASS IV 12-INCH
INV 1: 647.15'
INV 2: 646.75'
LENGTH: 28 FT
SLOPE: 1.45%
25D
SSPRC CLASS IV 12-INCH
INV 1: 647.00'
INV 2: 646.75'
LENGTH: 28 FT
SLOPE: 0.91%
25A
SSPRC CLASS IV 12-INCH
INV 1: 646.70'
INV 2: 646.50'
LENGTH: 6 FT
SLOPE: 3.15%
25C
SSPRC CLASS IV 12-INCH
INV 1: 646.75'
INV 2: 646.50'
LENGTH: 20 FT
SLOPE: 1.23%


655
650
645
640
22
RIM ELEV: 651.71'
INVERT ELEV: 644.50'
22A
RIM ELEV: 651.34'
INVERT ELEV: 647.15'
22A
SSPRC CLASS IV 12-INCH
INV 1: 647.15'
INV 2: 646.50'
LENGTH: 11 FT
SLOPE: 6.19%

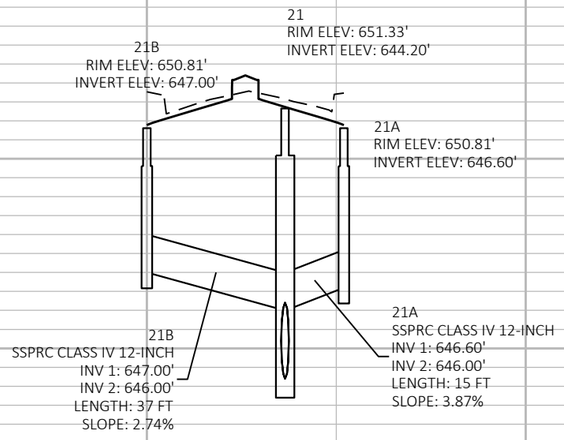


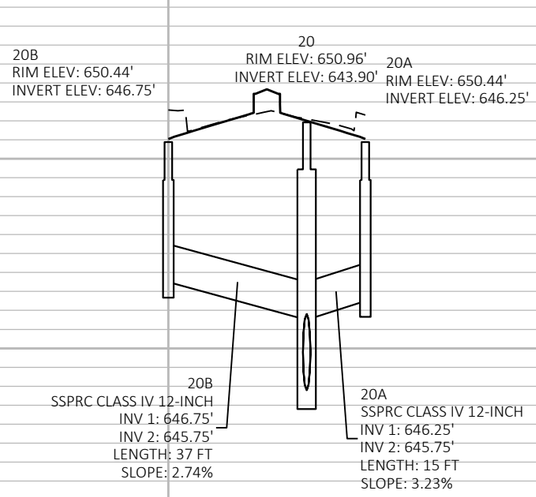
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	STORM SEWER	SHEET 78	E

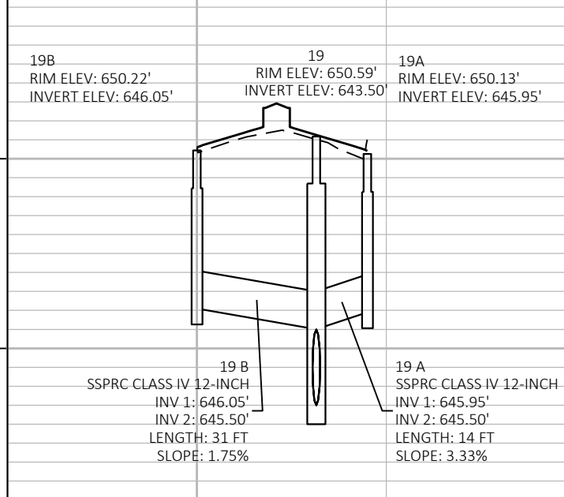
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\022501_SS.DWG
LAYOUT NAME - 02

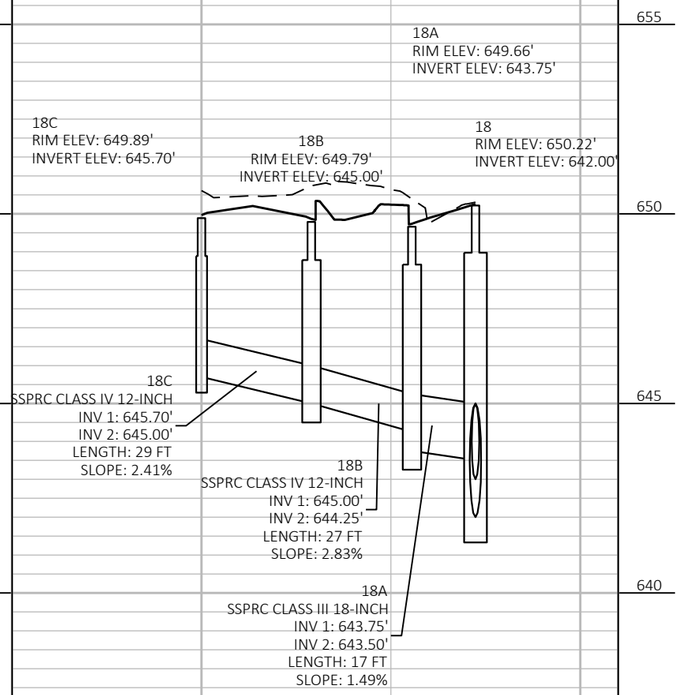
PLOT DATE : 10/17/2024 11:40 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

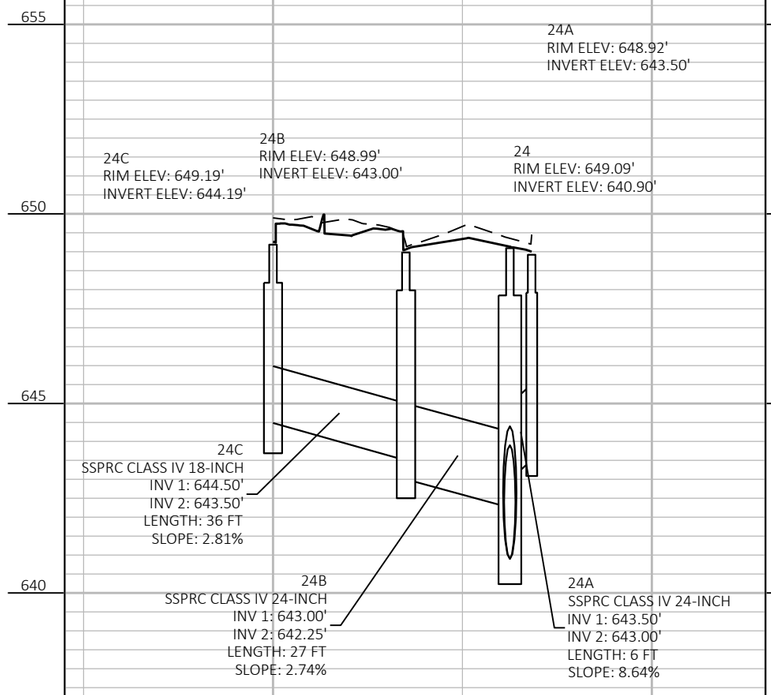
WISDOT/CADDS SHEET 41

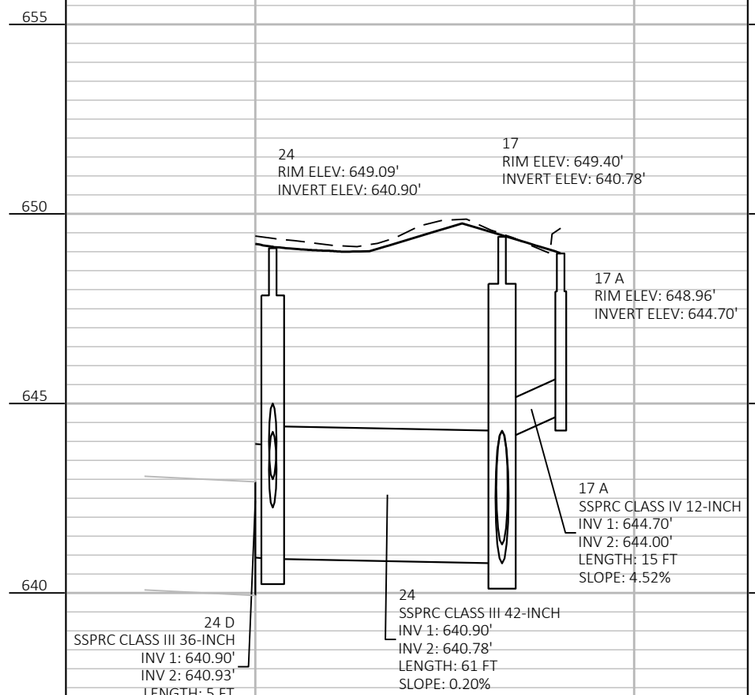












PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	STORM SEWER	SHEET 79	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\022501_SS.DWG
LAYOUT NAME - 02A
PLOT DATE : 10/17/2024 11:40 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ######
WISDOT/CADDS SHEET 41

5' LT

11+48, 55.9' LT
S 2x3-H

N

16 A STA 113+03, 27.1' LT
INLETS 2x3-H

16 STA 113+03, 6.0' RT
MANHOLES 7-J

13A STA 114+49, 30.5' LT
INLETS 2x3-H

STA 115+99, 25.5' LT
INLETS 2x3-H

12 B

STA 116+96, 28.6' LT
INLETS 4-H

11 D

STA 117+18, 53.9' LT
INLETS 4-H

11C

EXISTING 27-INCH RCP

N 23RD STREET

11 A STA 117+52, 53.6' LT
INLETS 4-H

11 STA 117+47, 28.0' LT
MANHOLES 5-J

11 B STA 117+65, 31.7' LT
INLETS 4-H

113'SB' 114'SB' 115'SB' 116'SB' 117'SB' 118'SB'

HAMMOND AVENUE

17 13 12 10

STA 117+46, 28.0' RT
MANHOLES 6-J

STA 117+46 , 38.6' RT
RECONSTRUCT MANHOLE 9

STA 112+68, 21.5' RT
INLETS 2x3-H 15C

STA 112+93, 47.8' RT
INLETS 2x3-H 15B

STA 113+03, 83.3' RT
MANHOLES 6-J 14

EXISTING 42-INCH RCP

15 A STA 113+22, 47.8' RT
INLETS 2x3-H

15 STA 113+03, 47.8' RT
MANHOLES 6-J

N 24TH STREET

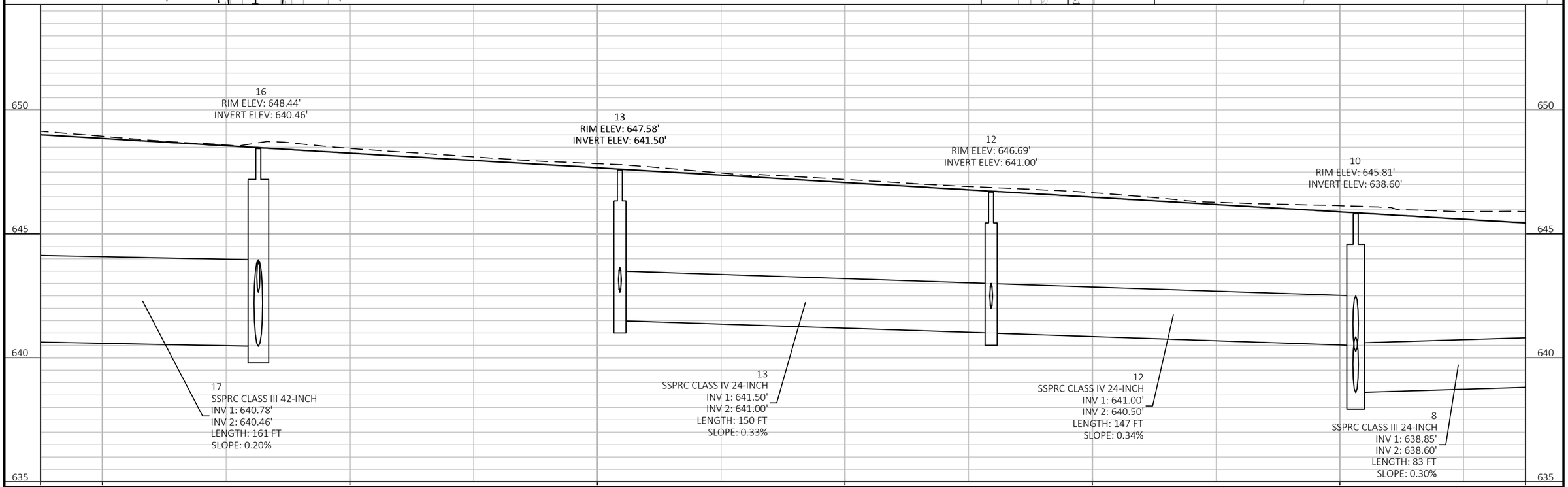
13 STA 114+49, 6.0' RT
MANHOLES 4-J

13B STA 114+49, 21.5' RT
INLETS 2x3-H

STA 115+99, 6.0' RT
MANHOLES 4-J 12

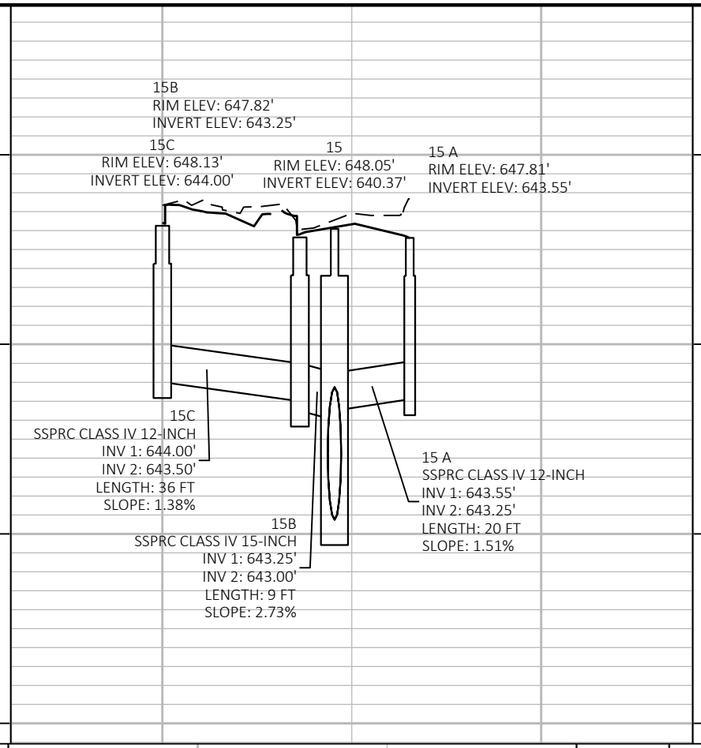
STA 115+99, 21.5' RT
INLETS 2x3-H 12 A

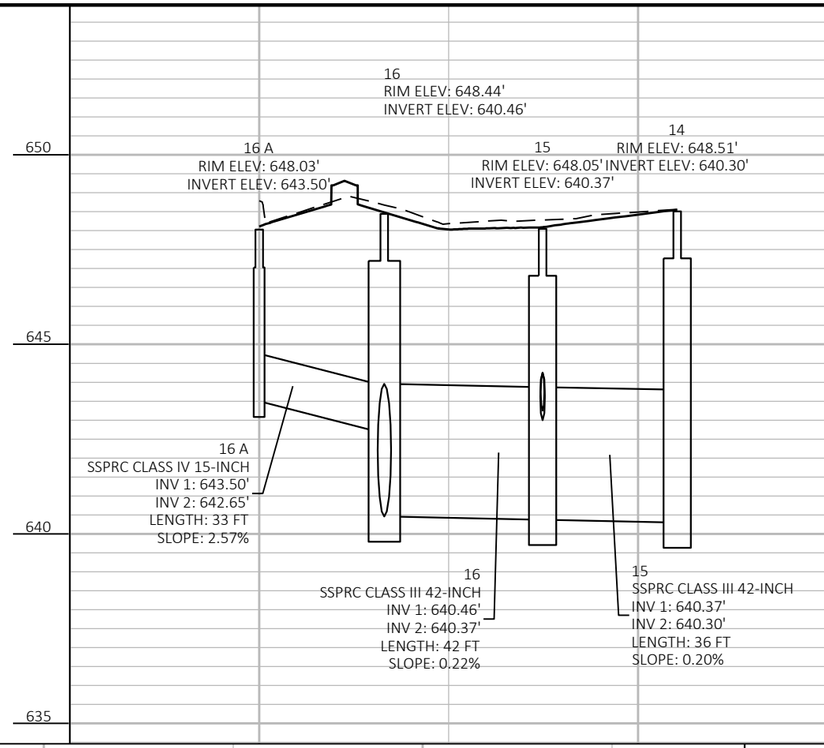
N 23RD STREET

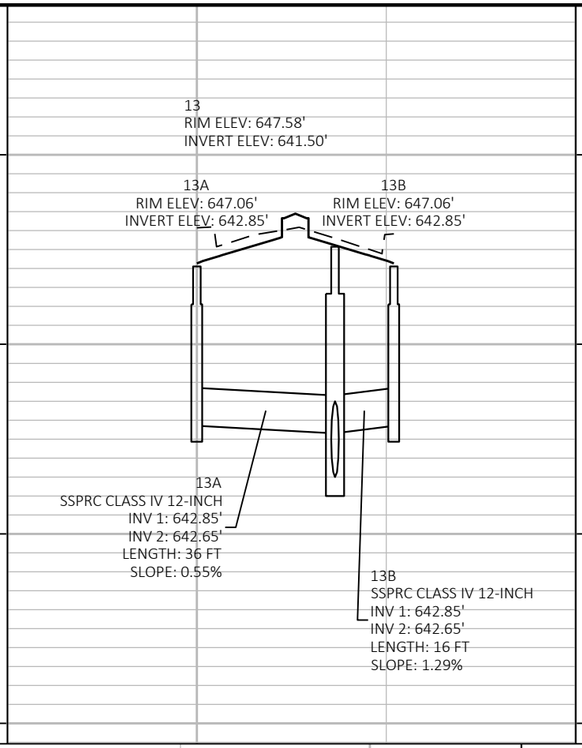


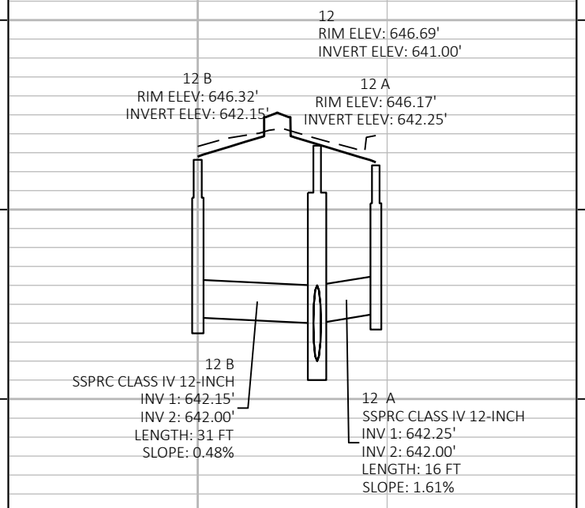
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	STORM SEWER	SHEET 80	E

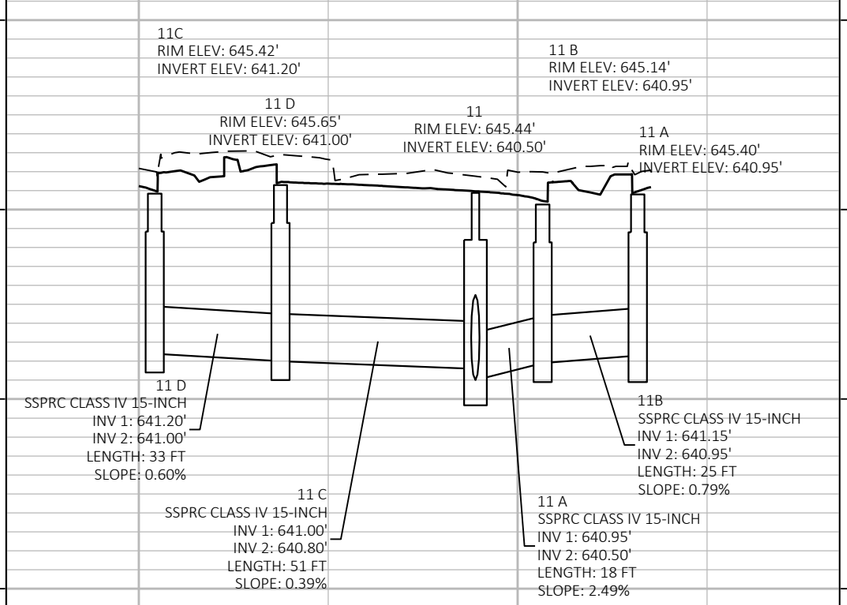
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LAYOUT NAME - 03
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PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

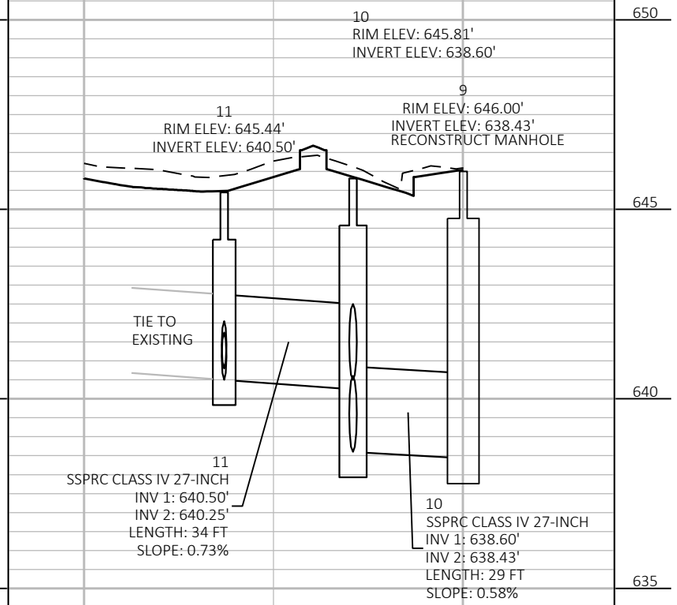




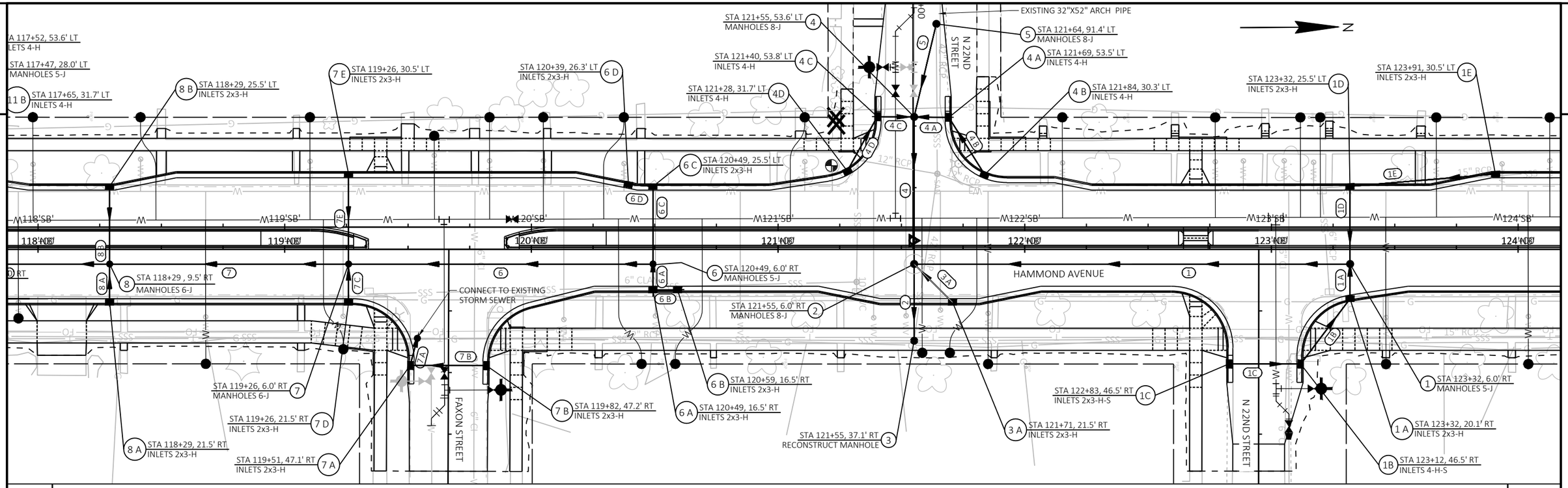


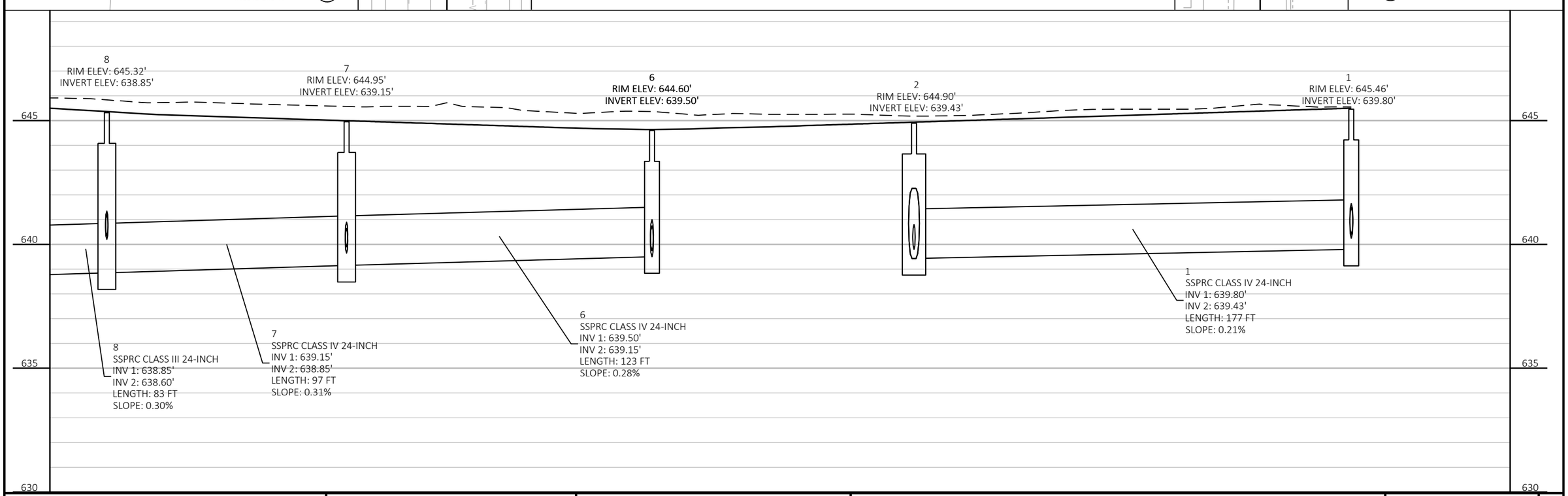




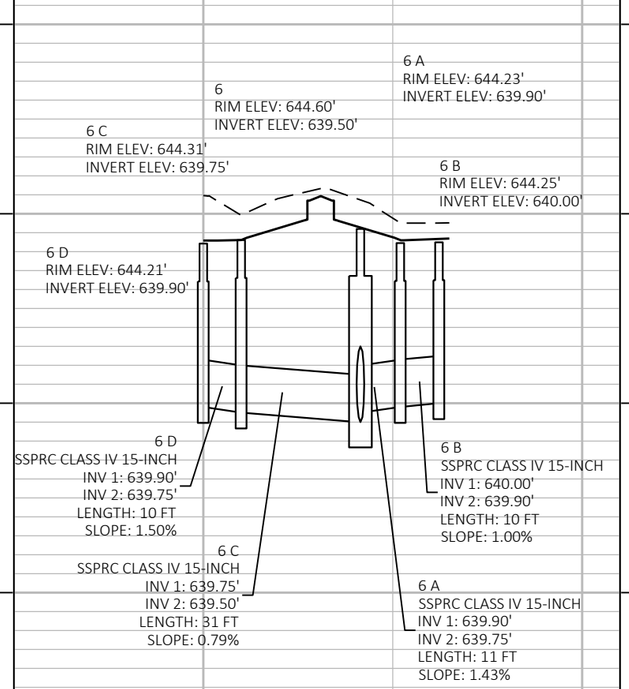


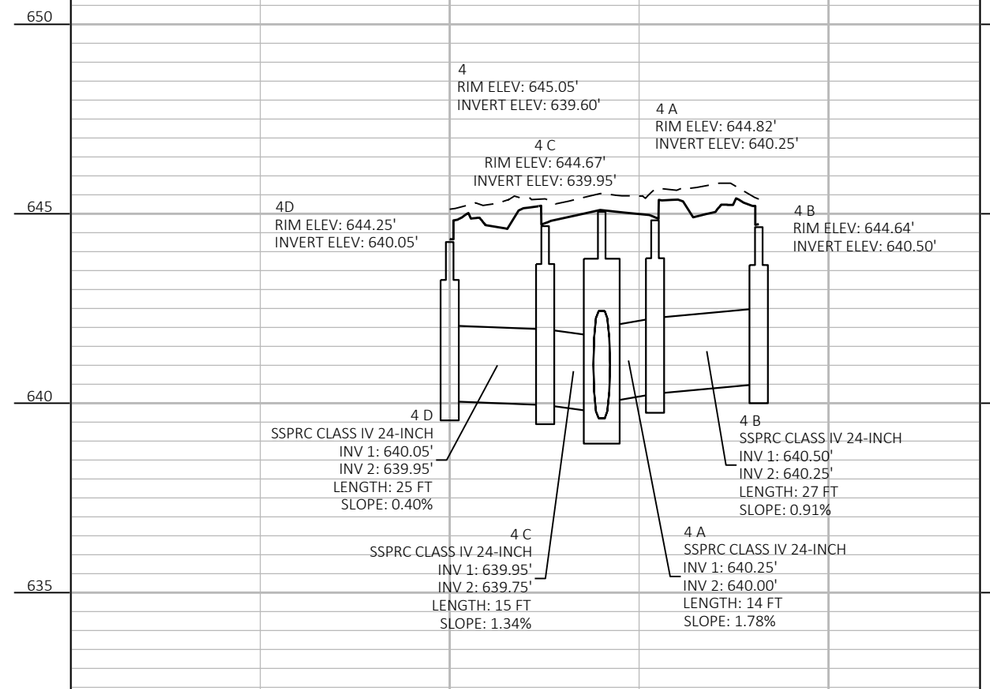
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	STORM SEWER	SHEET 81	E

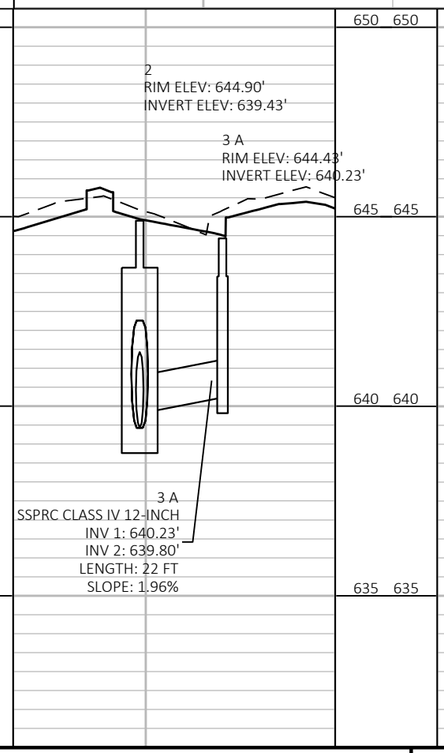


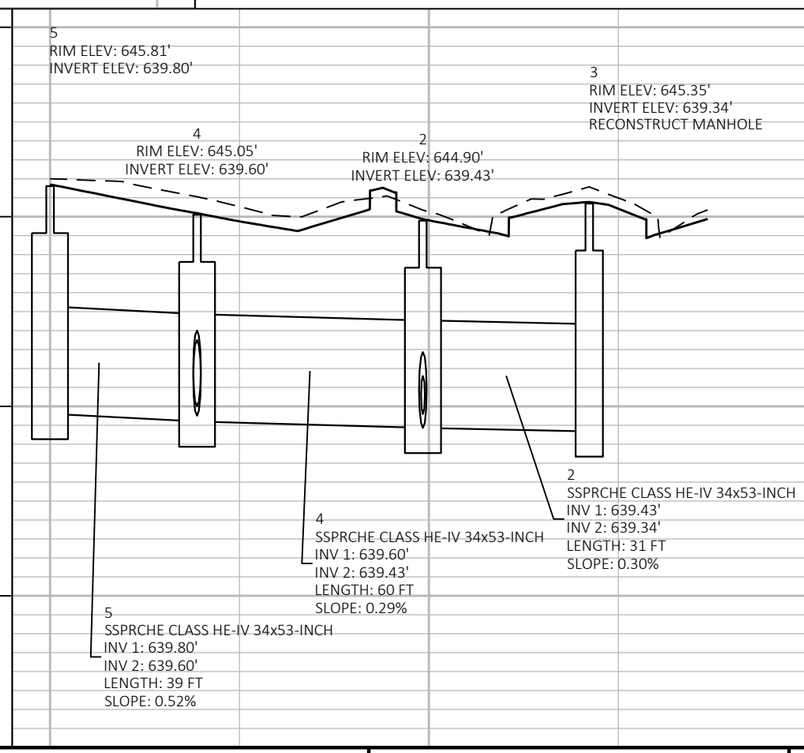


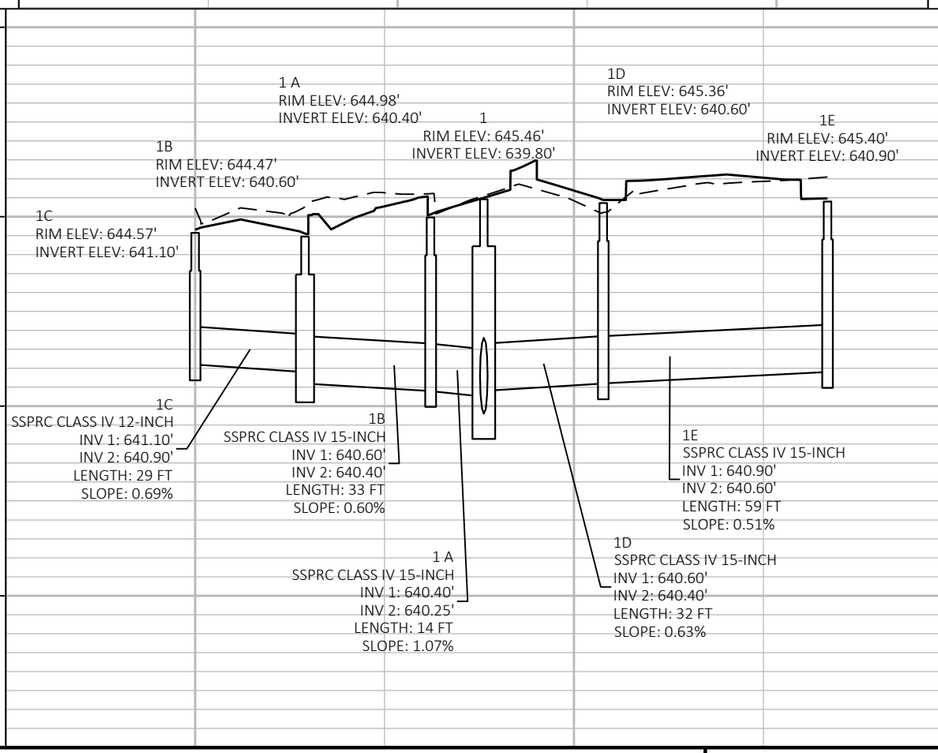
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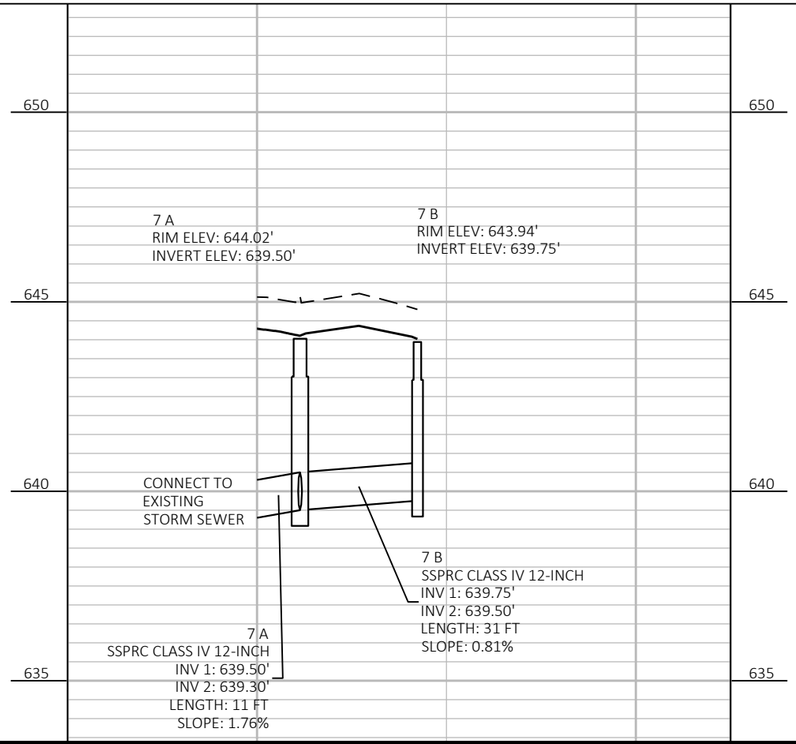


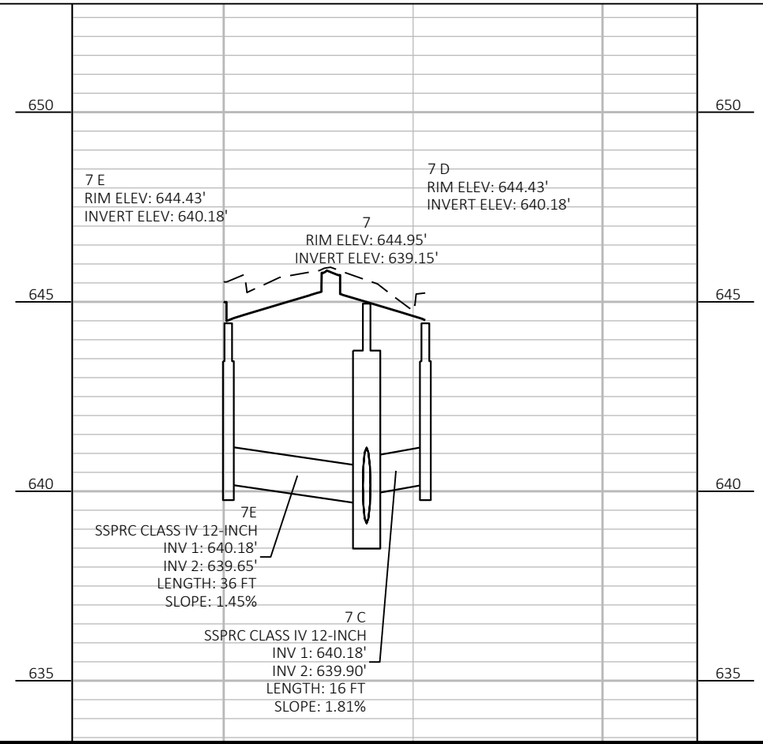


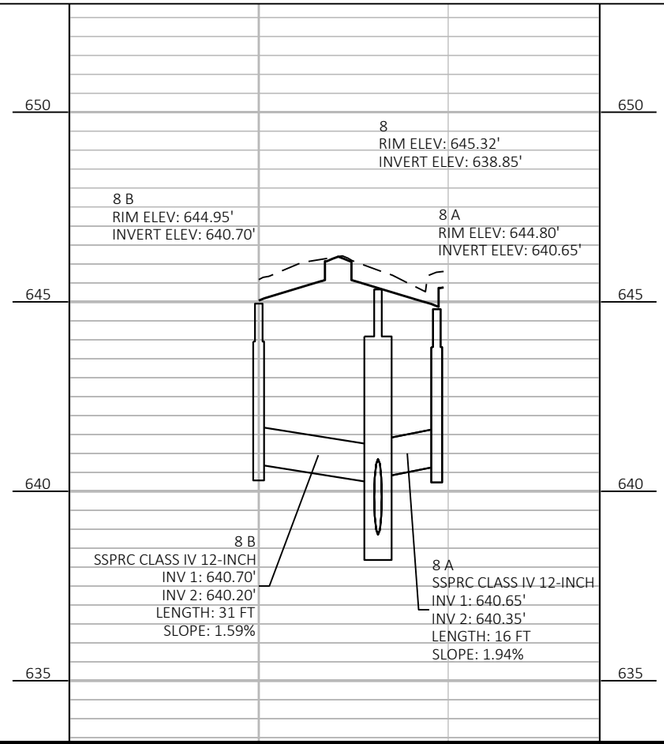


PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	STORM SEWER	SHEET 83	E

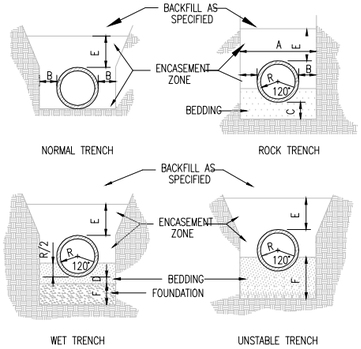
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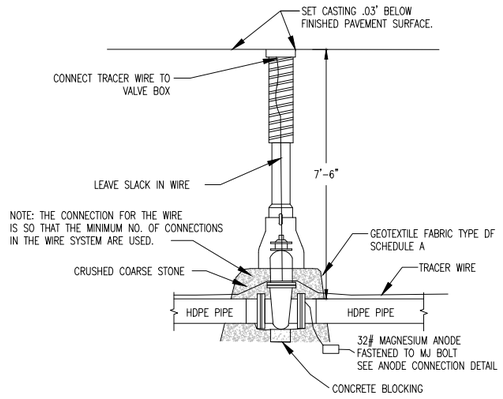


PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	STORM SEWER	SHEET 84	E



1. DIMENSIONS: A. MAXIMUM PAY WIDTH – O.D. PIPE +24"
   B. MINIMUM – 6"
   C. 6" BELOW BARREL
   D. 3" BELOW BARREL
   E. MINIMUM 12"
   F. DETERMINED BY THE ENGINEER
2. ENCASEMENT ZONE SHALL BE EXCAVATED MATERIALS THAT ARE CLASSIFIED SUITABLE, OR GRANULAR BACKFILL MATERIAL.
3. FOUNDATION MATERIAL – 3" CRUSHED STONE FOR WET OR UNSTABLE TRENCH BOTTOM.
4. BEDDING MATERIAL – CRUSHED STONE CHIPS

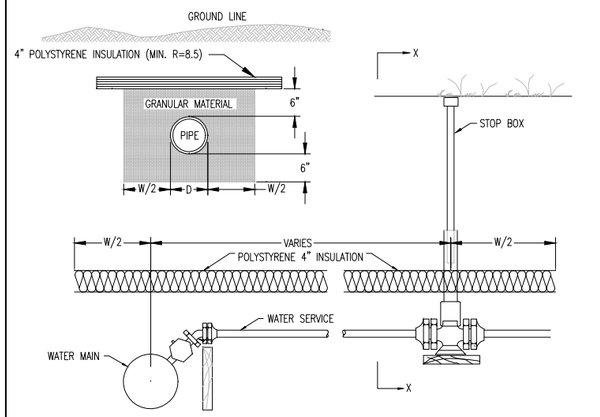
TRENCH SECTION FOR WATER MAIN
NTS



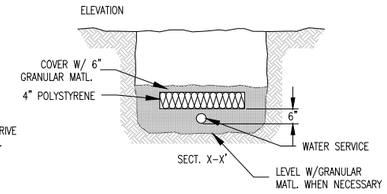
NOTES:

1. USE EPOXY COATING ON EXTERIOR OF VALVES.
2. ALL BOLTS AND NUTS SHALL BE STAINLESS STEEL WITH 6 OUNCE WITH 6 OUNCE ZINC ANODE CAPS CONFORMING TO ASTM B-418 FOR ALL MECHANICAL FITTINGS.
3. FOR OPEN CUT PIPE INSTALLATIONS, ELECTROFUSION COUPLINGS ARE NOT ALLOWED FOR CONNECTION OF HDPE TO MJ ADAPTERS. FOR DIRECTIONAL DRILLED INSTALLATIONS, ONE ELECTROFUSION COUPLING MAY BE USED PER VALVE.

WATER MAIN VALVE DETAIL
NTS



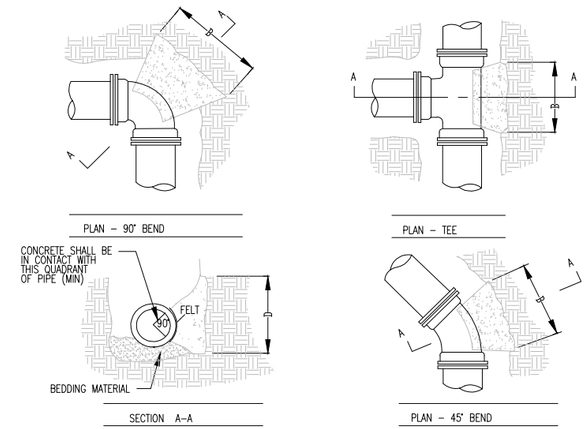
DEPTH (D)	WIDTH (W)
7.5' OR MORE	NONE
5.2' TO 7.4'	4 FEET
4.3' TO 5.1'	6 FEET
3.0' TO 4.2'	8 FEET



NOTES:

1. LAYERING OF 1", 1 1/2", 2" TO ARRIVE AT 4" IS PERMITTED. OFFSET JOINTS.
2. POLYSTYRENE SHALL BE HI DENSITY DOW HI 40 OR CERTIFOAM 40

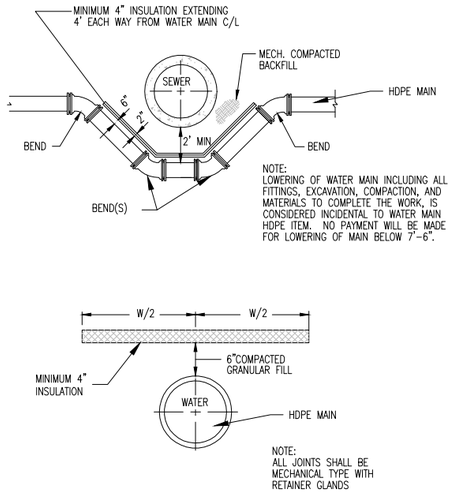
WATER MAIN & SERVICE INSULATION DETAIL
NTS



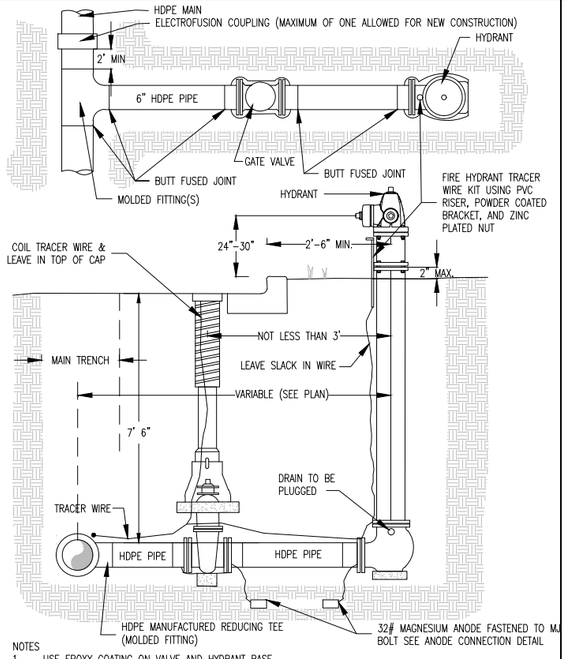
BEND OR BRANCH SIZE	BLOCKING DIMENSIONS							
	22 1/2° BENDS		45° BENDS		90° BENDS		TEES	
	B	D	B	D	B	D	B	D
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"	1'-3"	1'-0"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"	1'-6"	1'-4"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"	2'-3"	2'-0"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"	3'-2"	2'-4"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"	4'-0"	3'-0"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"	5'-3"	3'-4"
30"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"	6'-3"	4'-3"

NOTES
1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ. FOOT
2. BLOCKING TO BE SET AGAINST UNDISTURBED SOIL.
3. CONCRETE SHALL BE CLASS "1F". CONCRETE SHALL NOT INTERFERE WITH MECHANICAL JOINTS.

THRUST BLOCKING FOR WATER MAIN
NTS

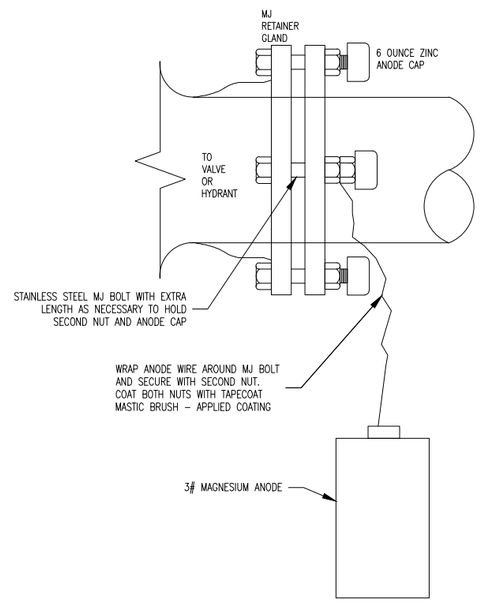


LOWER WATER MAIN W/INSULATION
NTS

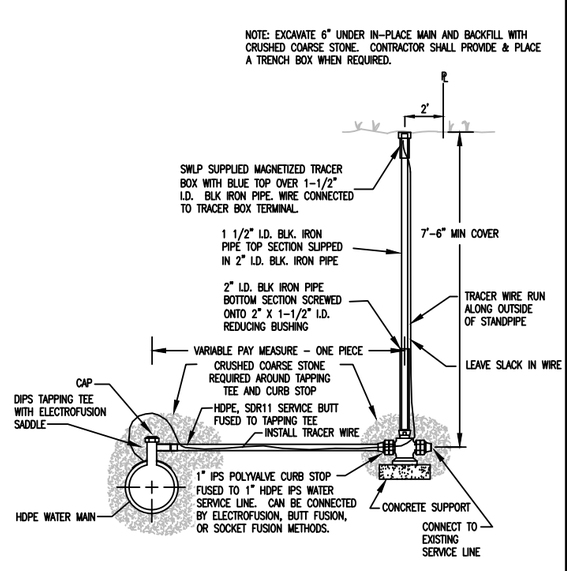


NOTES
1. USE EPOXY COATING ON VALVE AND HYDRANT BASE
2. ALL BOLTS AND NUTS SHALL BE STAINLESS STEEL WITH 6 OUNCE ZINC ANODE CAPS CONFORMING TO ASTM B-418 FOR ALL MECHANICAL FITTINGS.

FIRE HYDRANT SETTING DETAIL
NTS



ANODE CONNECTION DETAIL
NTS



NOTE: SERVICE TO BE AIR TESTED PRIOR TO TAPPING MAIN. TEST AT 100 PSI GAS FOR 5 MINUTES.

THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. SPLICES IN THE TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT OR COMPRESSION TYPE CONNECTORS. WIRE NUTS OR CLIP TYPE CONNECTOR SHALL NOT BE USED. A WATER–PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION.

TYPICAL HDPE WATER SERVICE – 1", 1–1/4", 1–1/2", AND 2"
NTS

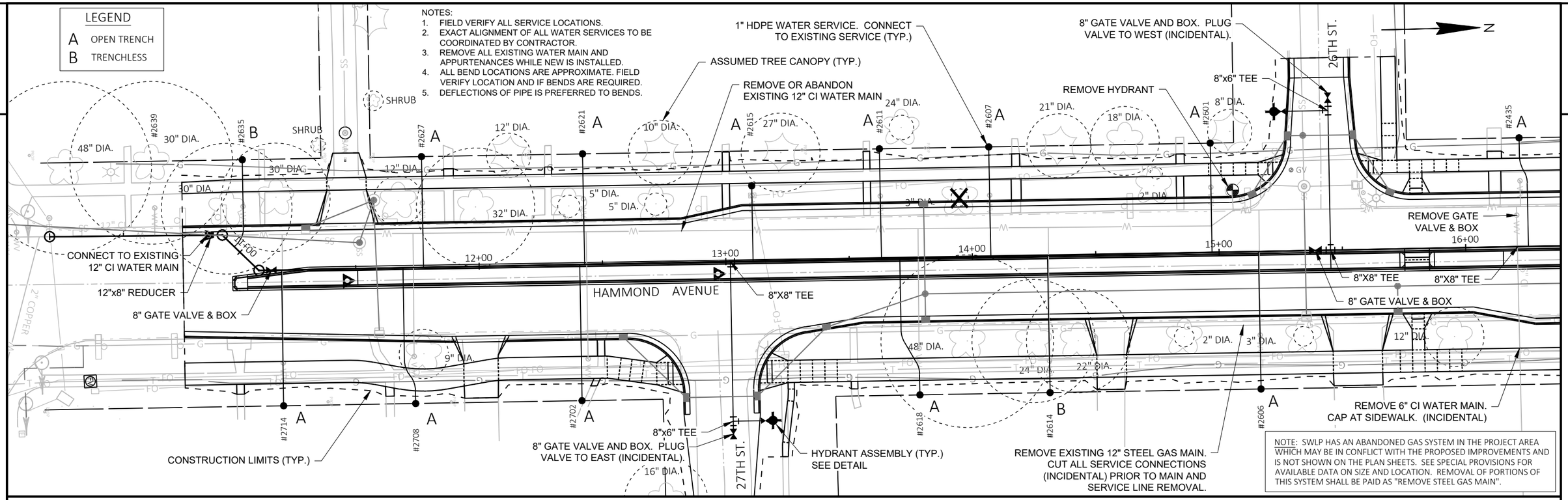
LEGEND

A OPEN TRENCH

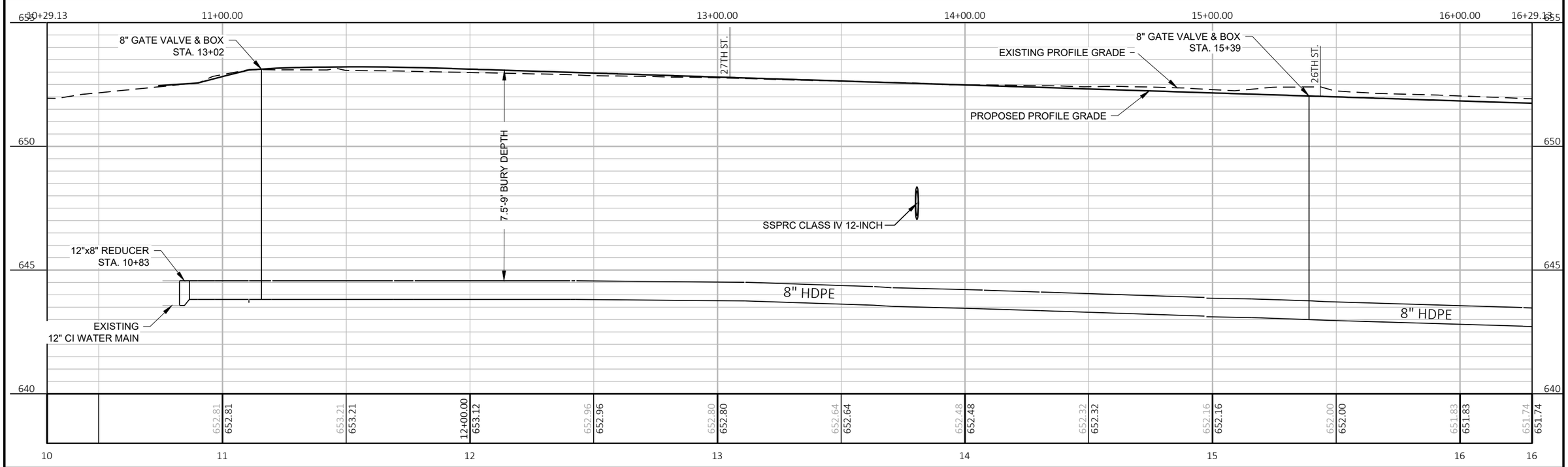
B TRENCHLESS

NOTES:

1. FIELD VERIFY ALL SERVICE LOCATIONS.
2. EXACT ALIGNMENT OF ALL WATER SERVICES TO BE COORDINATED BY CONTRACTOR.
3. REMOVE ALL EXISTING WATER MAIN AND APPURTENANCES WHILE NEW IS INSTALLED.
4. ALL BEND LOCATIONS ARE APPROXIMATE. FIELD VERIFY LOCATION AND IF BENDS ARE REQUIRED.
5. DEFLECTIONS OF PIPE IS PREFERRED TO BENDS.



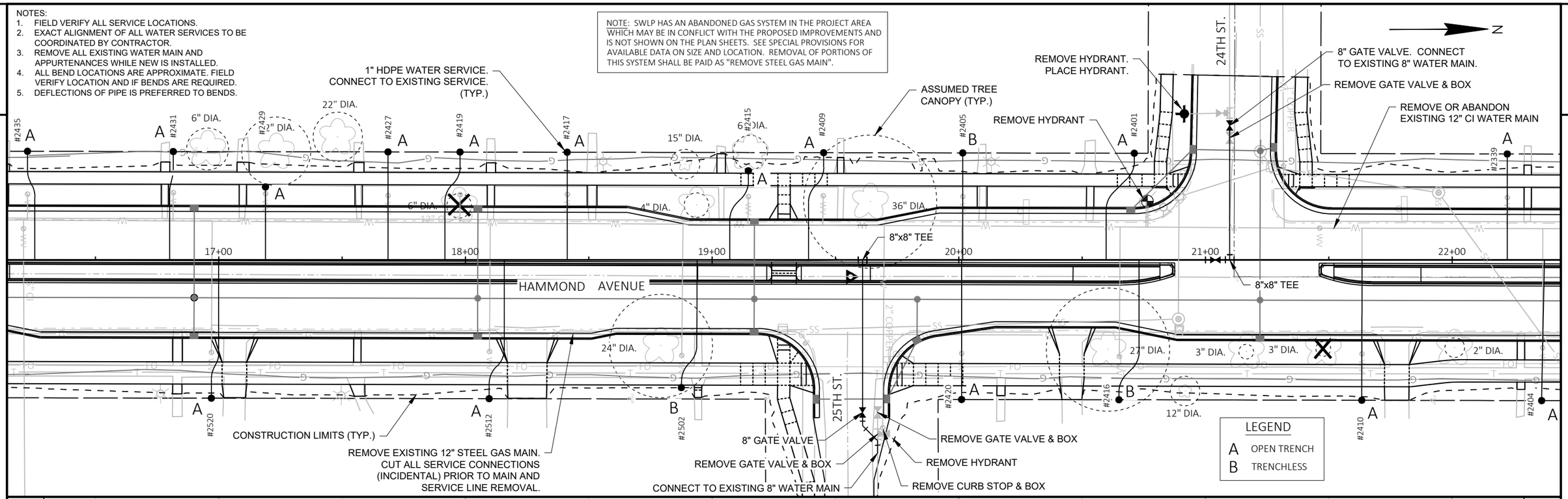
NOTE: SWLP HAS AN ABANDONED GAS SYSTEM IN THE PROJECT AREA WHICH MAY BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS AND IS NOT SHOWN ON THE PLAN SHEETS. SEE SPECIAL PROVISIONS FOR AVAILABLE DATA ON SIZE AND LOCATION. REMOVAL OF PORTIONS OF THIS SYSTEM SHALL BE PAID AS "REMOVE STEEL GAS MAIN".

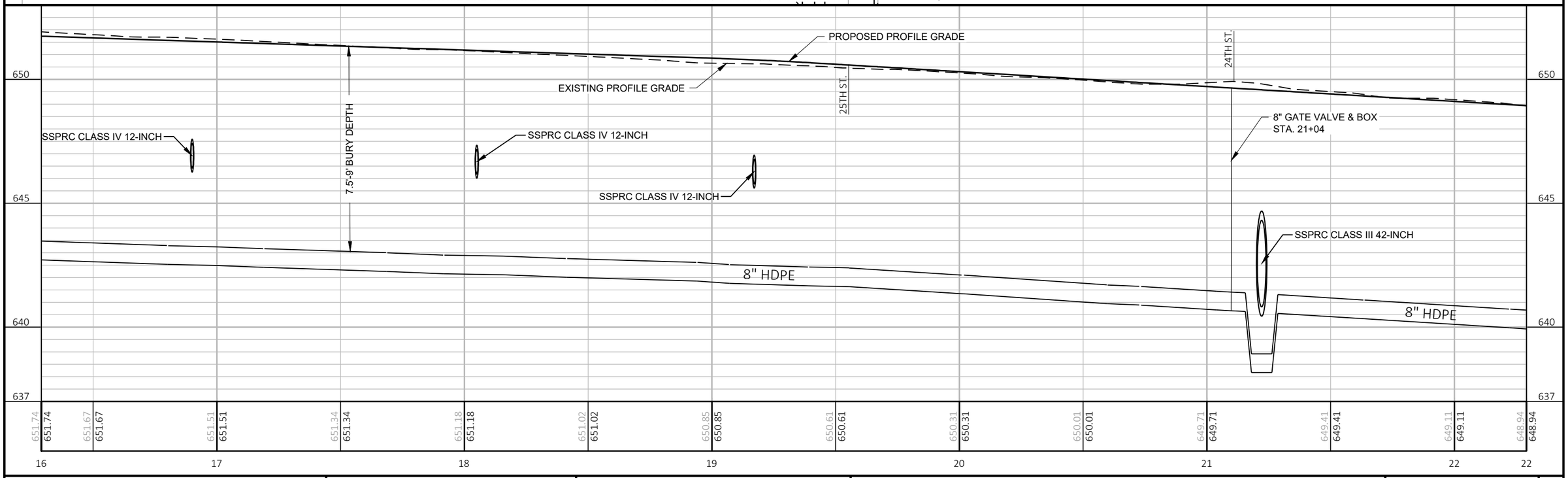


PROJECT NO: 8998-00-36	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	PLAN AND PROFILE: HAMMOND AVE. WATER MAIN	SHEET 86	E

NOTES:
1. FIELD VERIFY ALL SERVICE LOCATIONS.
2. EXACT ALIGNMENT OF ALL WATER SERVICES TO BE COORDINATED BY CONTRACTOR.
3. REMOVE ALL EXISTING WATER MAIN AND APPURTENANCES WHILE NEW IS INSTALLED.
4. ALL BEND LOCATIONS ARE APPROXIMATE. FIELD VERIFY LOCATION AND IF BENDS ARE REQUIRED.
5. DEFLECTIONS OF PIPE IS PREFERRED TO BENDS.

NOTE: SWLP HAS AN ABANDONED GAS SYSTEM IN THE PROJECT AREA WHICH MAY BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS AND IS NOT SHOWN ON THE PLAN SHEETS. SEE SPECIAL PROVISIONS FOR AVAILABLE DATA ON SIZE AND LOCATION. REMOVAL OF PORTIONS OF THIS SYSTEM SHALL BE PAID AS "REMOVE STEEL GAS MAIN".





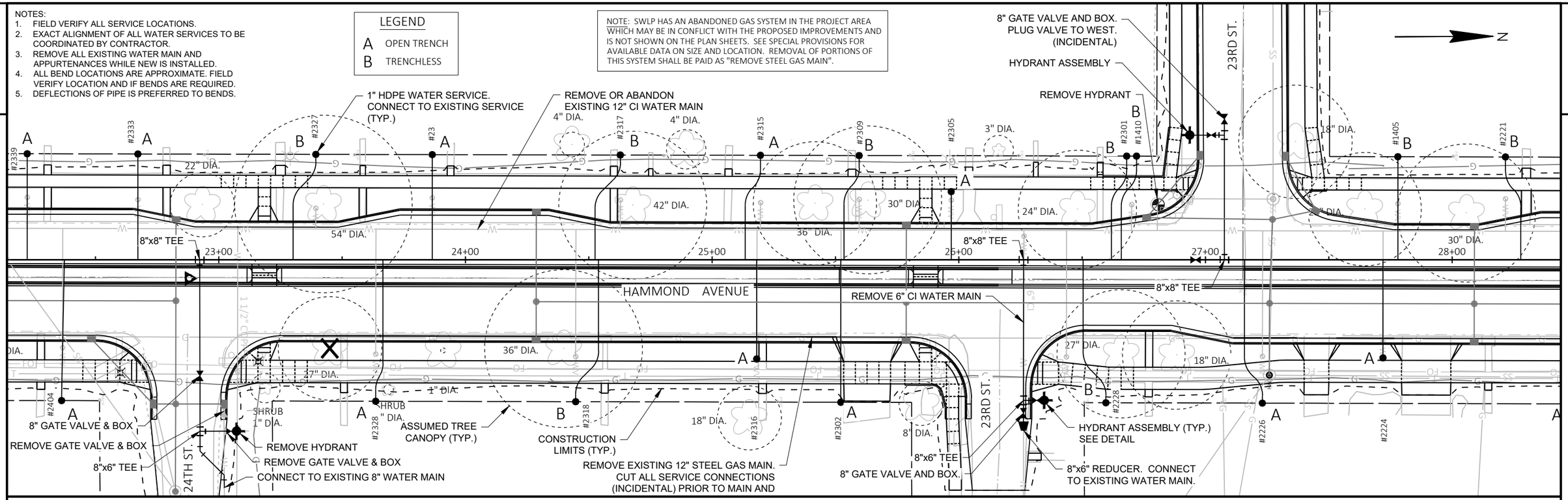
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	PLAN AND PROFILE: HAMMOND AVE. WATER MAIN	SHEET 87	E

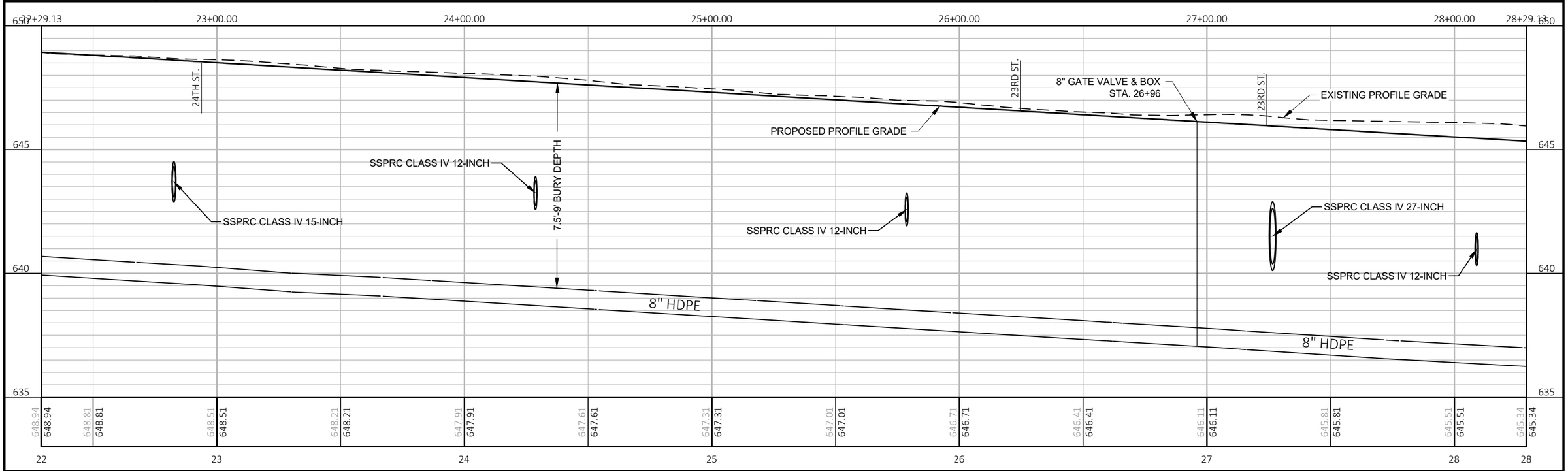
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LAYOUT NAME - 4 PLAN & PROFILE
PLOT DATE : 7/30/2024 2:51 PM PLOT BY : KRISTI GLENDENNING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

NOTES:
1. FIELD VERIFY ALL SERVICE LOCATIONS.
2. EXACT ALIGNMENT OF ALL WATER SERVICES TO BE COORDINATED BY CONTRACTOR.
3. REMOVE ALL EXISTING WATER MAIN AND APPURTENANCES WHILE NEW IS INSTALLED.
4. ALL BEND LOCATIONS ARE APPROXIMATE. FIELD VERIFY LOCATION AND IF BENDS ARE REQUIRED.
5. DEFLECTIONS OF PIPE IS PREFERRED TO BENDS.

LEGEND
A OPEN TRENCH
B TRENCHLESS

NOTE: SWLP HAS AN ABANDONED GAS SYSTEM IN THE PROJECT AREA WHICH MAY BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS AND IS NOT SHOWN ON THE PLAN SHEETS. SEE SPECIAL PROVISIONS FOR AVAILABLE DATA ON SIZE AND LOCATION. REMOVAL OF PORTIONS OF THIS SYSTEM SHALL BE PAID AS "REMOVE STEEL GAS MAIN".





PROJECT NO: 8998-00-36	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	PLAN AND PROFILE: HAMMOND AVE. WATER MAIN	SHEET 88	E

NOTES:
1. FIELD VERIFY ALL SERVICE LOCATIONS.
2. EXACT ALIGNMENT OF ALL WATER SERVICES TO BE COORDINATED BY CONTRACTOR.
3. REMOVE ALL EXISTING WATER MAIN AND APPURTENANCES WHILE NEW IS INSTALLED.
4. ALL BEND LOCATIONS ARE APPROXIMATE. FIELD VERIFY LOCATION AND IF BENDS ARE REQUIRED.
5. DEFLECTIONS OF PIPE IS PREFERRED TO BENDS.

NOTE: SWLP HAS AN ABANDONED GAS SYSTEM IN THE PROJECT AREA WHICH MAY BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS AND IS NOT SHOWN ON THE PLAN SHEETS. SEE SPECIAL PROVISIONS FOR AVAILABLE DATA ON SIZE AND LOCATION. REMOVAL OF PORTIONS OF THIS SYSTEM SHALL BE PAID AS "REMOVE STEEL GAS MAIN".

LEGEND
A OPEN TRENCH
B TRENCHLESS

N

CONSTRUCTION LIMITS (TYP.)
SHRUB
10" DIA.
REMOVE HYDRANT
HYDRANT ASSEMBLY
SHRUBS 15" DIA.
2" DIA.
1" DIA.
20" DIA.
7" DIA.
26" DIA.
22ND ST.
CONNECT TO EXISTING 8" WATER MAIN
8"x6" TEE
REMOVE GATE VALVE & BOX
REMOVE TEE
8" GATE VALVE & BOX
REMOVE GATE VALVE
REMOVE OR ABANDON EXISTING 12" CI WATER MAIN
12" DIA.
8" DIA.
24" DIA.
22" DIA.
#2221 #2217 #2215 #2211 #2209 #2207 #2201 #2131 #2125 #2123 #2121 #2117 #2113
29+00 30+00 31+00 32+00 33+00 34+00

8"x8" TEE
8" GATE VALVE & BOX
HAMMOND AVENUE
REMOVE GATE VALVE & BOX
21" DIA.
42" DIA.
24" DIA.
28" DIA.
18" DIA.
#2222 #2220 #2218 #2214 #2210 #2206 #2200 #2118 #2114 #2112
20" DIA. 28" DIA. 23" DIA. 4" DIA. 39" DIA. 8" DIA. 22" DIA.
REMOVE HYDRANT
REMOVE GATE VALVE & BOX
8"x6" TEE
CONNECT TO EXISTING WATER MAIN
FAXON ST.
REMOVE 6" CI WATER MAIN
REMOVE GATE VALVE & BOX
HYDRANT ASSEMBLY
8" GATE VALVE & BOX
ASSUMED TREE CANOPY (TYP.)
REMOVE EXISTING 12" STEEL GAS MAIN. CUT ALL SERVICE CONNECTIONS (INCIDENTAL) PRIOR TO MAIN AND SERVICE LINE REMOVAL.
8"x6" REDUCER. CONNECT TO EXISTING 6" C.I. WATER
REMOVE EXISTING 6" CI WATER MAIN
REMOVE GATE VALVE & BOX
HYDRANT ASSEMBLY
8" GATE VALVE & BOX

28+29.13 29+00.00 30+00.00 31+00.00 32+00.00 33+00.00 34+00.00 34+29.13

FAXON ST.
8" GATE VALVE & BOX STA. 29+72
EXISTING PROFILE GRADE
PROPOSED PROFILE GRADE
22ND ST.
7.5'-9' BURY DEPTH
SSPRC CLASS IV 12-INCH
SSPRC CLASS IV 15-INCH
SSPRCHE CLASS HE-IV 34x53-INCH
SSPRC CLASS IV 15-INCH
8" HDPE
8" HDPE
8" HDPE
8" HDPE

650 645 640 635

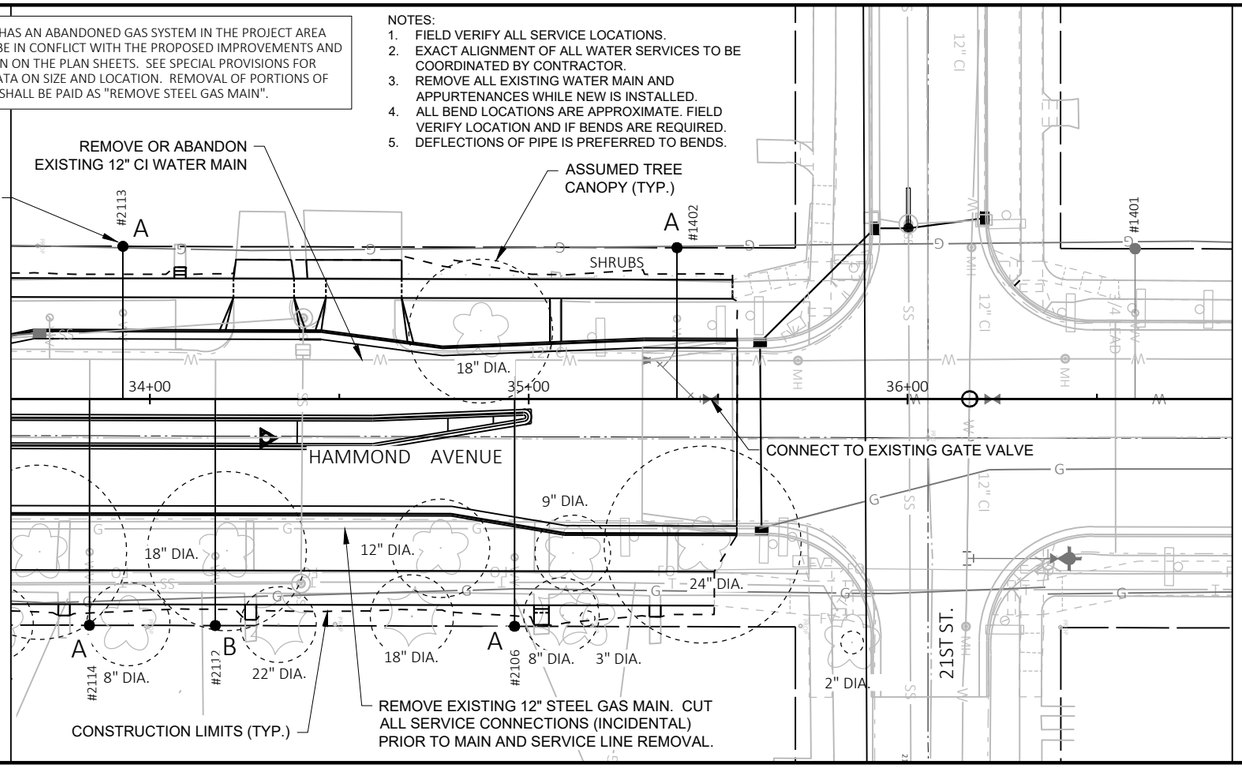
645.34 645.27 645.10 644.94 644.77 644.76 644.90 645.16 645.48 645.64 645.80 645.95 646.11 646.20
645.34 645.27 645.10 644.94 644.77 644.76 644.90 645.16 645.48 645.64 645.80 645.95 646.11 646.20
28 29 30 31 32 33 34 34

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	PLAN AND PROFILE: HAMMOND AVE. WATER MAIN	SHEET 89	E

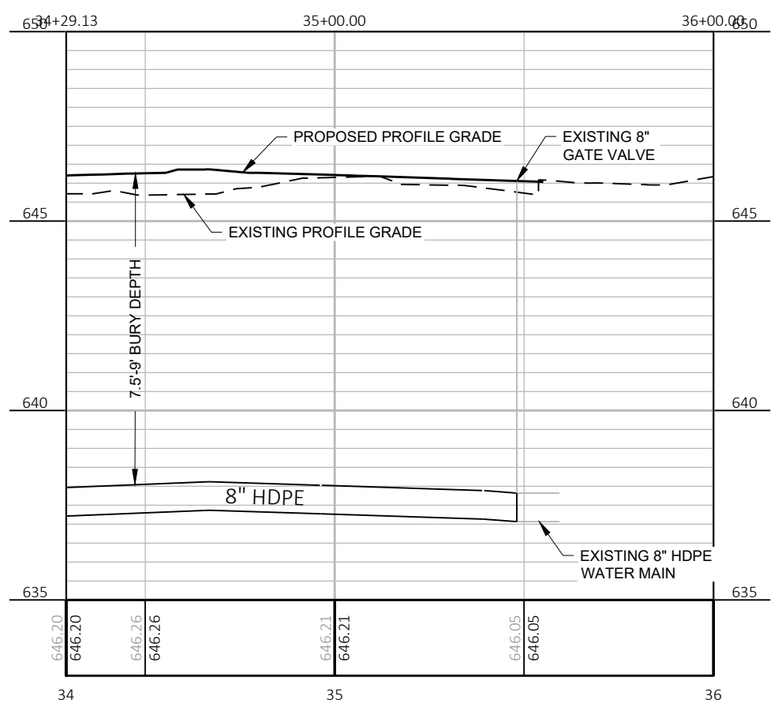
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\WATER\PHASE 2\DWG\SHEETS\SU163728U01 - PH 2.DWG
LAYOUT NAME - 6 PLAN & PROFILE
PLOT DATE : 7/30/2024 2:50 PM PLOT BY : KRISTI GLENDENNING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

NOTE: SWLP HAS AN ABANDONED GAS SYSTEM IN THE PROJECT AREA WHICH MAY BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS AND IS NOT SHOWN ON THE PLAN SHEETS. SEE SPECIAL PROVISIONS FOR AVAILABLE DATA ON SIZE AND LOCATION. REMOVAL OF PORTIONS OF THIS SYSTEM SHALL BE PAID AS "REMOVE STEEL GAS MAIN".

NOTES:
1. FIELD VERIFY ALL SERVICE LOCATIONS.
2. EXACT ALIGNMENT OF ALL WATER SERVICES TO BE COORDINATED BY CONTRACTOR.
3. REMOVE ALL EXISTING WATER MAIN AND APPURTENANCES WHILE NEW IS INSTALLED.
4. ALL BEND LOCATIONS ARE APPROXIMATE. FIELD VERIFY LOCATION AND IF BENDS ARE REQUIRED.
5. DEFLECTIONS OF PIPE IS PREFERRED TO BENDS.

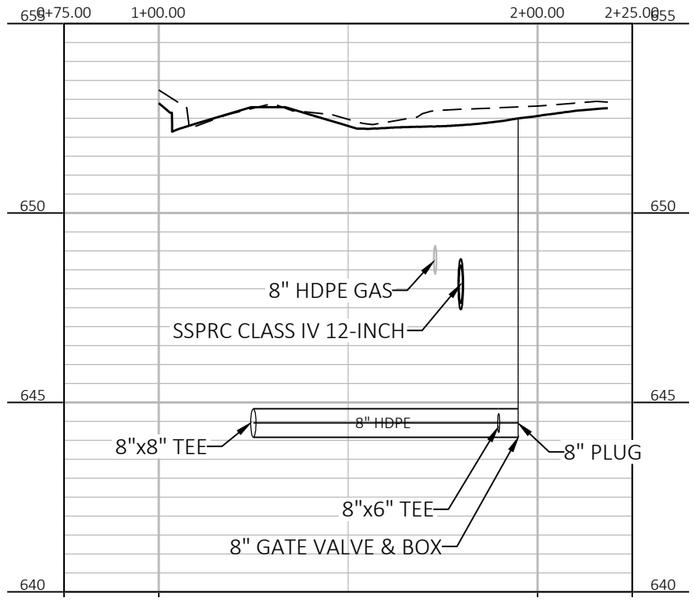


LEGEND
A OPEN TRENCH
B TRENCHLESS

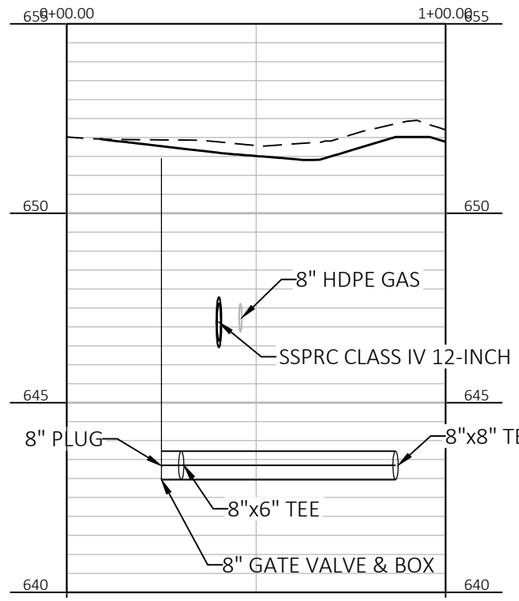


PROJECT NO: 8998-00-36	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	PLAN AND PROFILE: HAMMOND AVE. WATER MAIN	SHEET 90	E

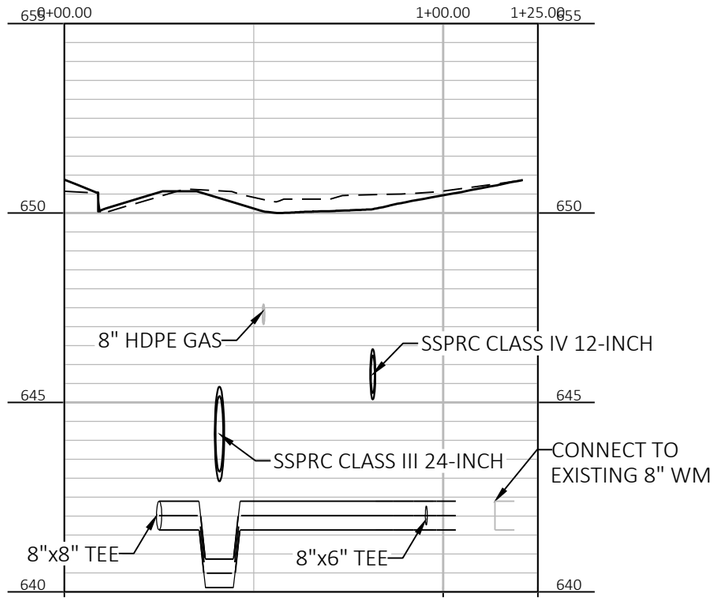
N 27TH STREET (EAST)



N 26TH ST (WEST)



N 25TH ST (EAST)



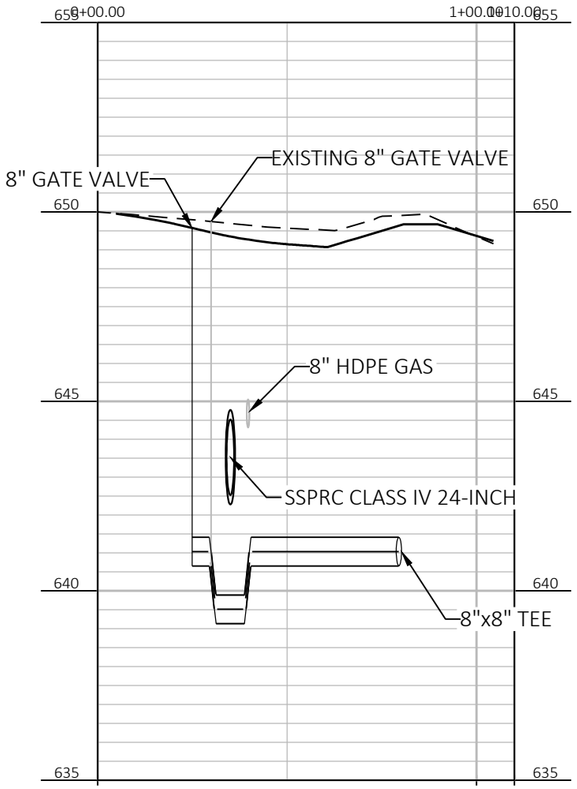
PROJECT NO: ----	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	SIDE STREET PROFILES	SHEET 91	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\WATER\PHASE 2\DWG\SHEETS\SU163728P01_PH 2.DWG
LAYOUT NAME - 8 SIDE STREET PROFILES

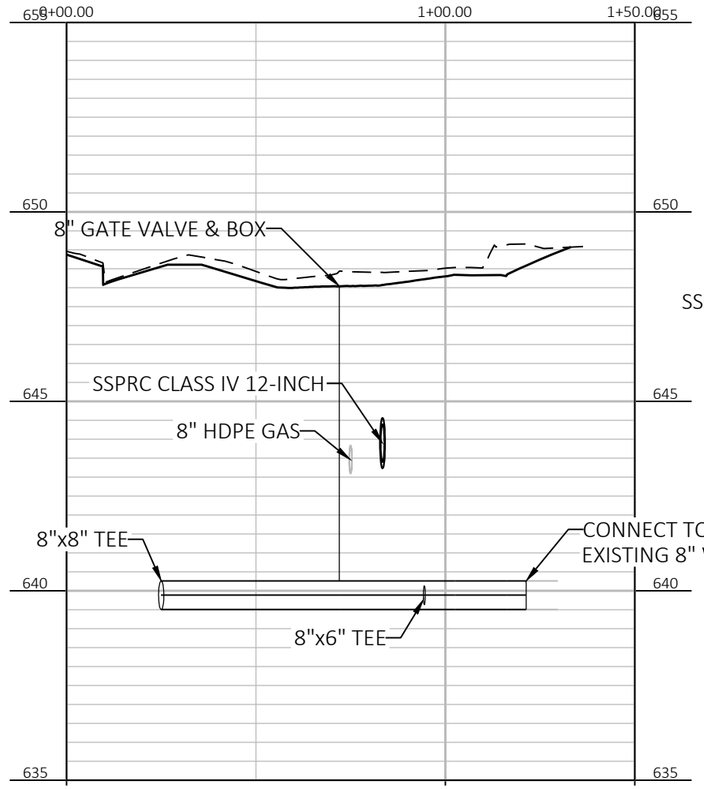
PLOT DATE : 7/29/2024 1:12 PM PLOT BY : KRISTI GLENDENNING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

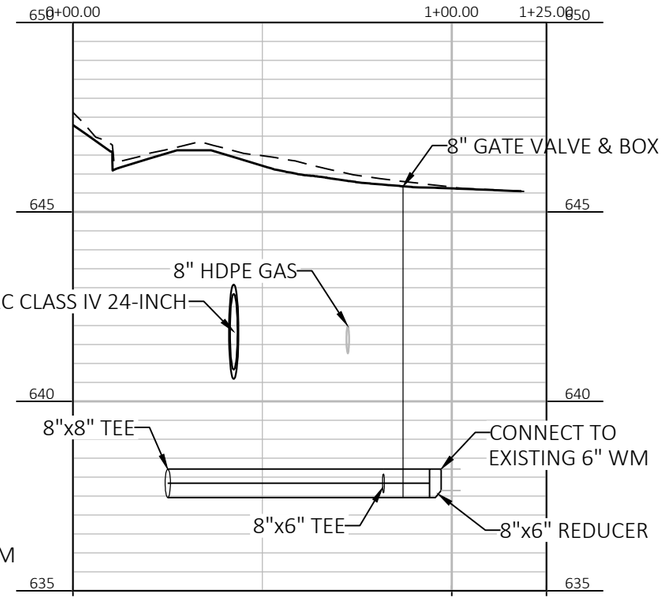
N 24TH STREET (WEST)



N 24TH STREET (EAST)

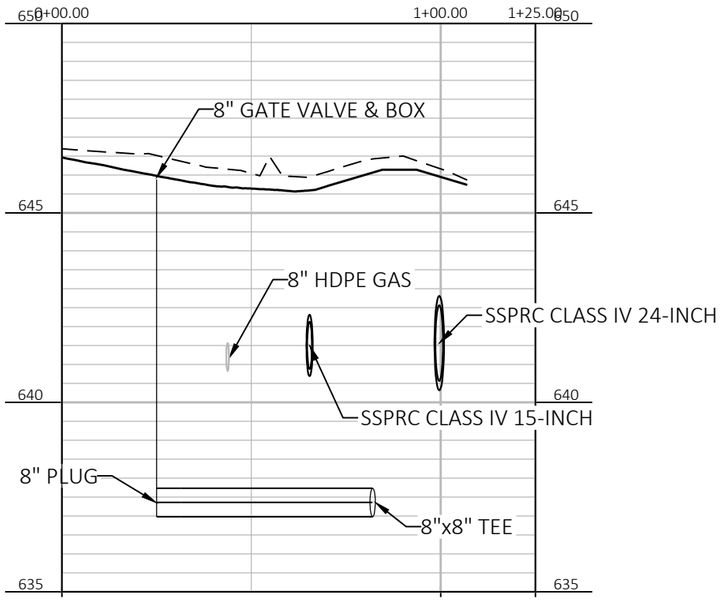


N 23RD STREET (EAST)

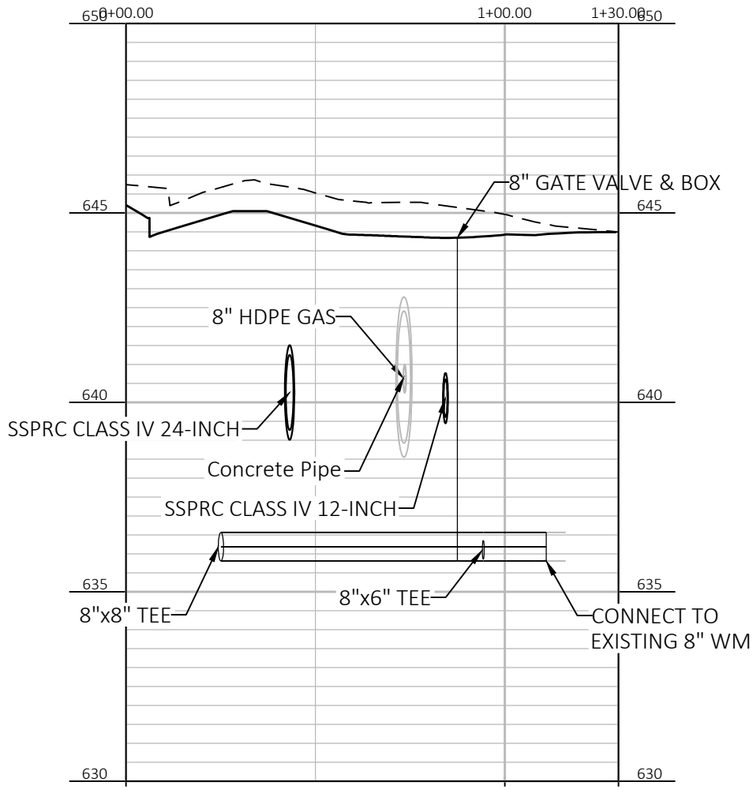


PROJECT NO: ----	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	SIDE STREET PROFILES	SHEET 92	E

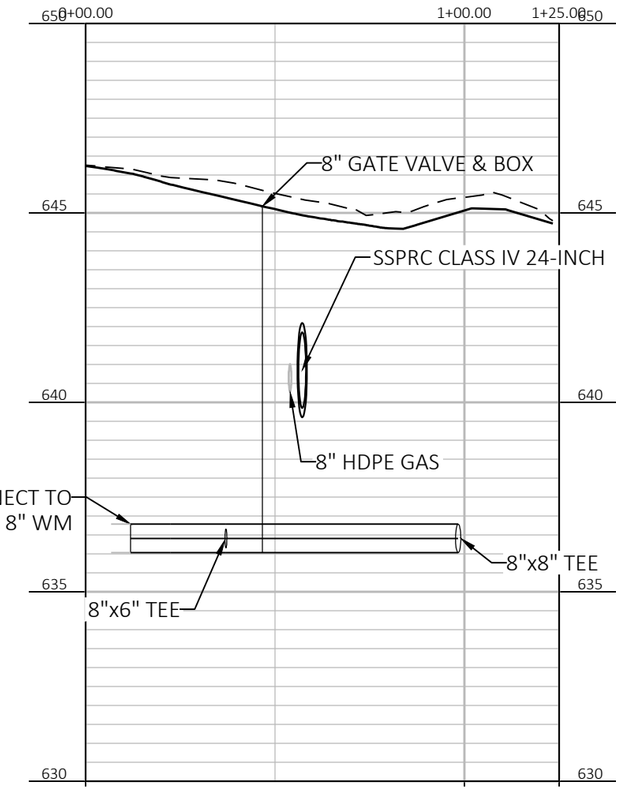
N 23RD STREET (WEST)



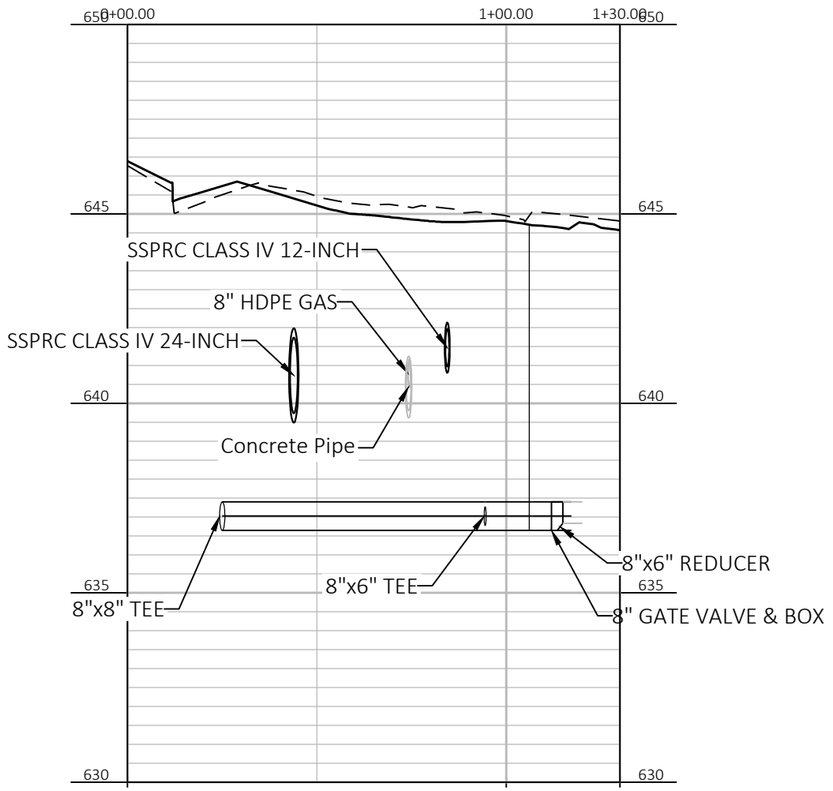
FAXON STREET



N 22ND STREET (WEST)



N 22ND STREET (EAST)



5

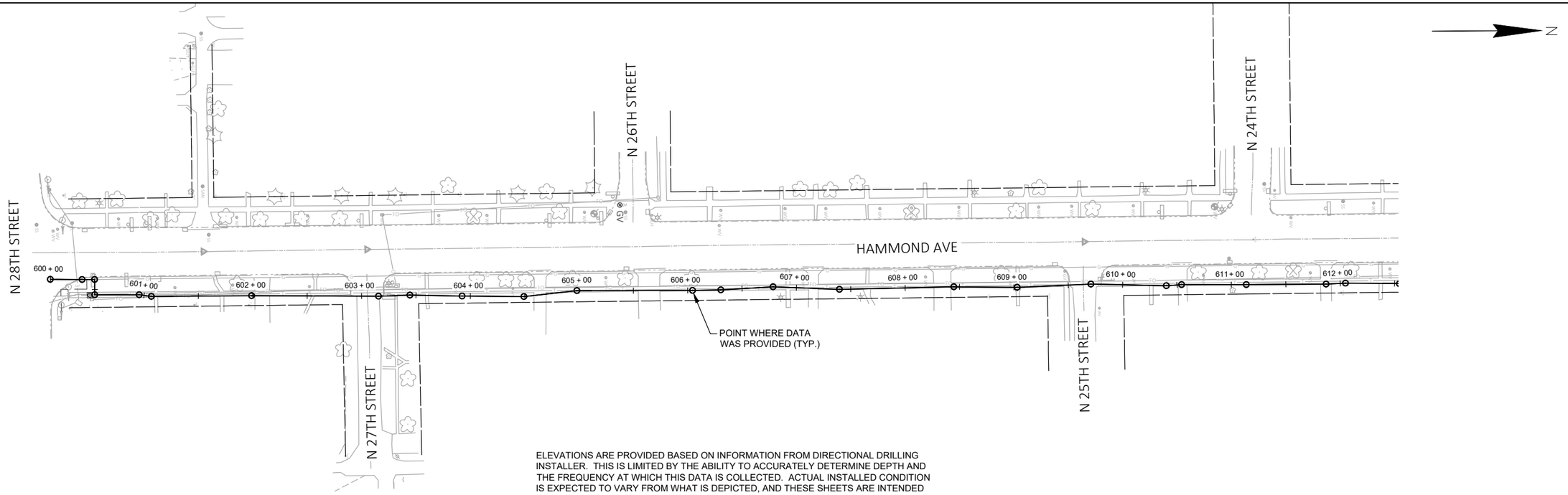
5

PROJECT NO: ----	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	SIDE STREET PROFILES	SHEET 94	E

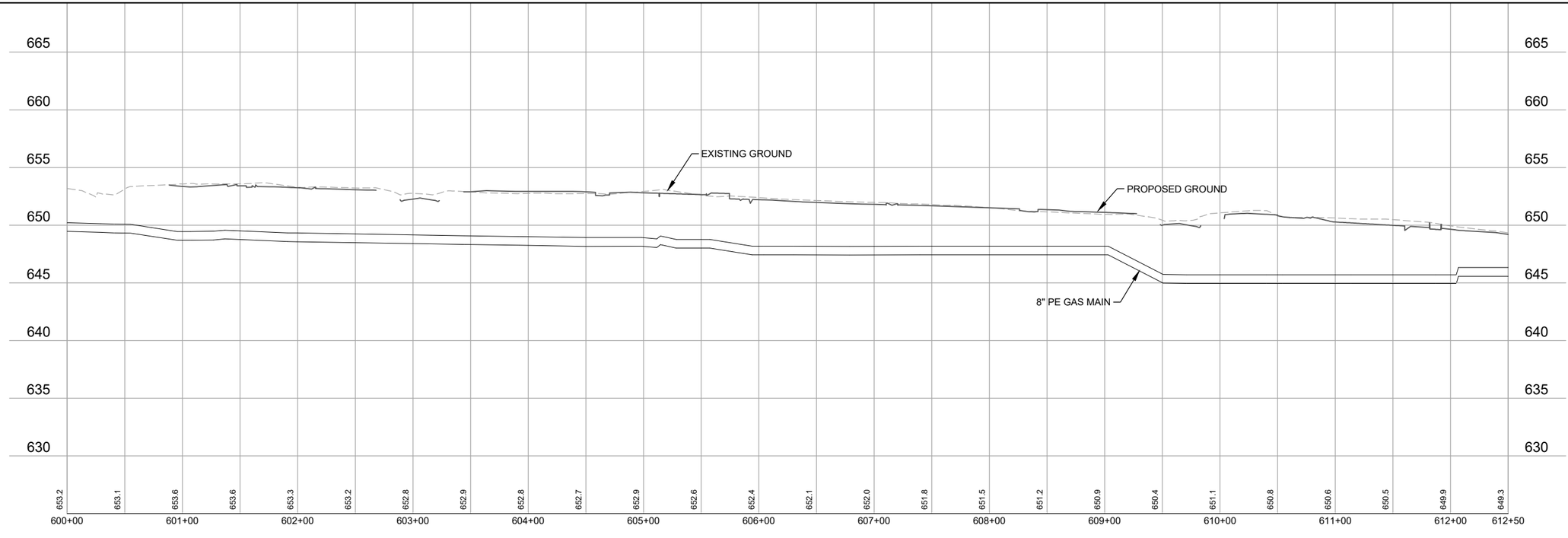
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\WATER\PHASE 2\DWG\SHEETS\SU163728P01_PH 2.DWG
LAYOUT NAME - 11 SIDE STREET PROFILES (4)

PLOT DATE : 7/29/2024 1:08 PM PLOT BY : KRISTI GLENDENNING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44



ELEVATIONS ARE PROVIDED BASED ON INFORMATION FROM DIRECTIONAL DRILLING INSTALLER. THIS IS LIMITED BY THE ABILITY TO ACCURATELY DETERMINE DEPTH AND THE FREQUENCY AT WHICH THIS DATA IS COLLECTED. ACTUAL INSTALLED CONDITION IS EXPECTED TO VARY FROM WHAT IS DEPICTED, AND THESE SHEETS ARE INTENDED TO PROVIDE A GENERAL UNDERSTANDING OF THE EXISTING CONDITIONS.

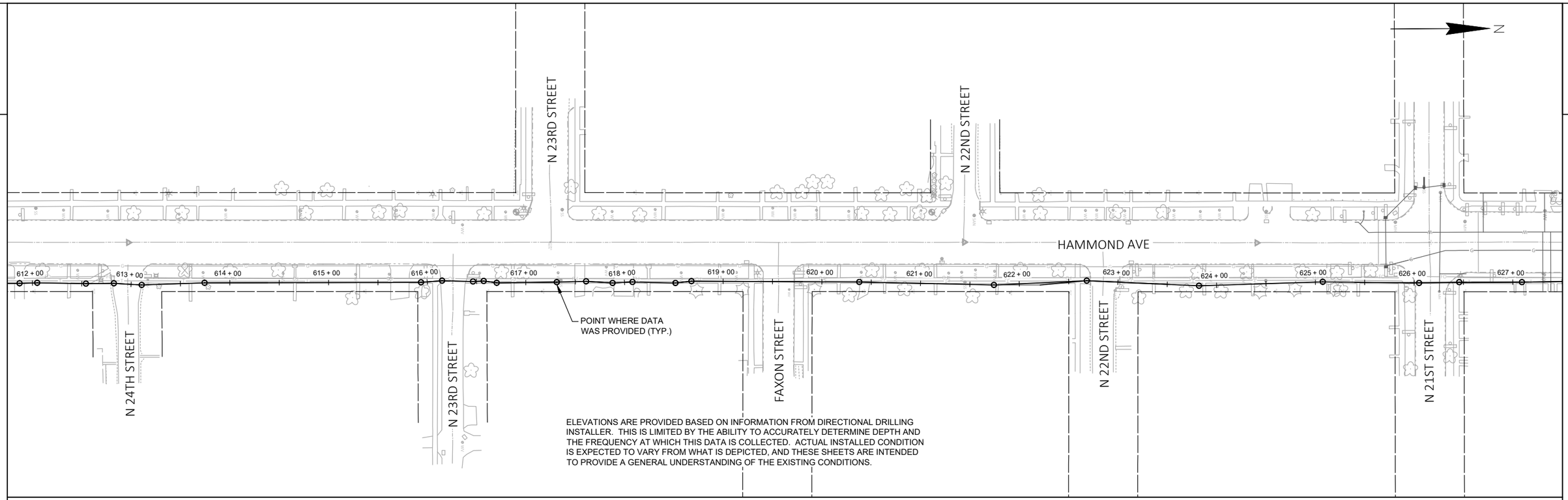


PROJECT NO: 8998-00-36	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	PLAN AND PROFILE: EXISTING GAS PLAN AND PROFILE (EAST)	SHEET 95	E

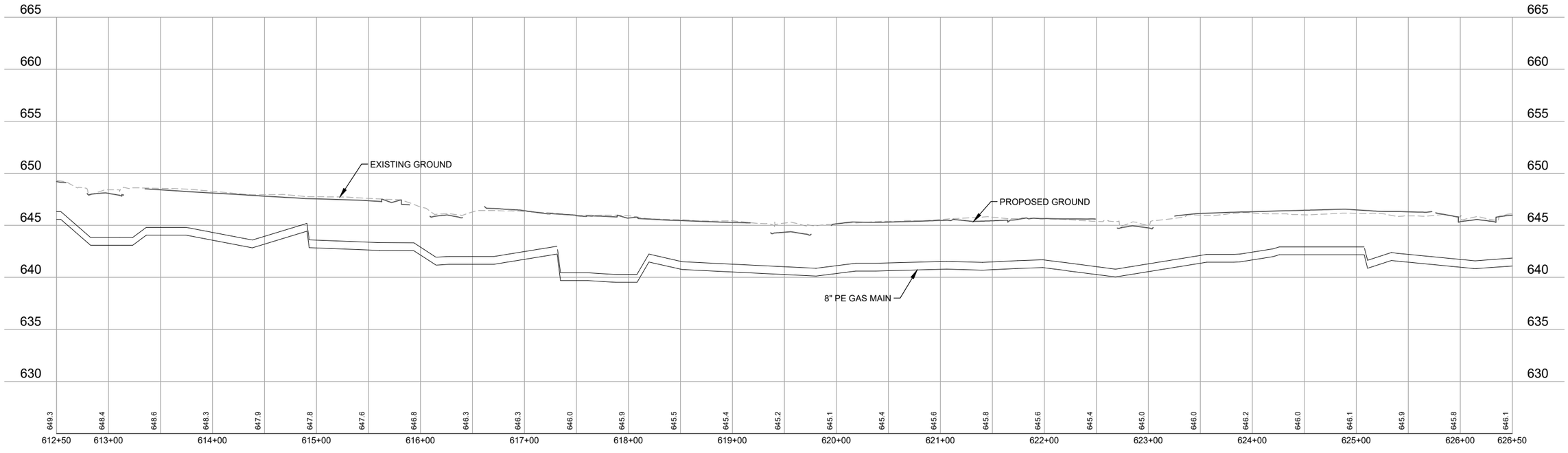
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\WATER\PHASE 2\DWG\SHEETS\SU163728P02_GAS MAIN EAST.DWG
LAYOUT NAME - EAST MAIN 1

PLOT DATE : 7/30/2024 3:38 PM PLOT BY : KRISTI GLENDENNING PLOT NAME : PLOT SCALE : 1 IN:100 FT

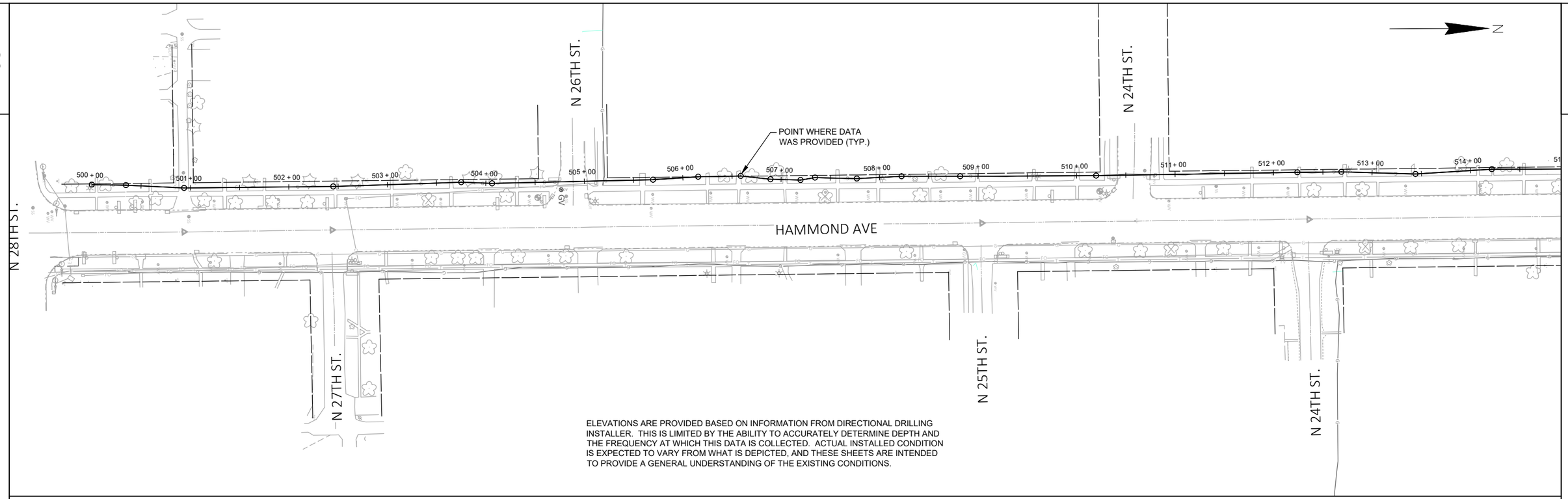
2



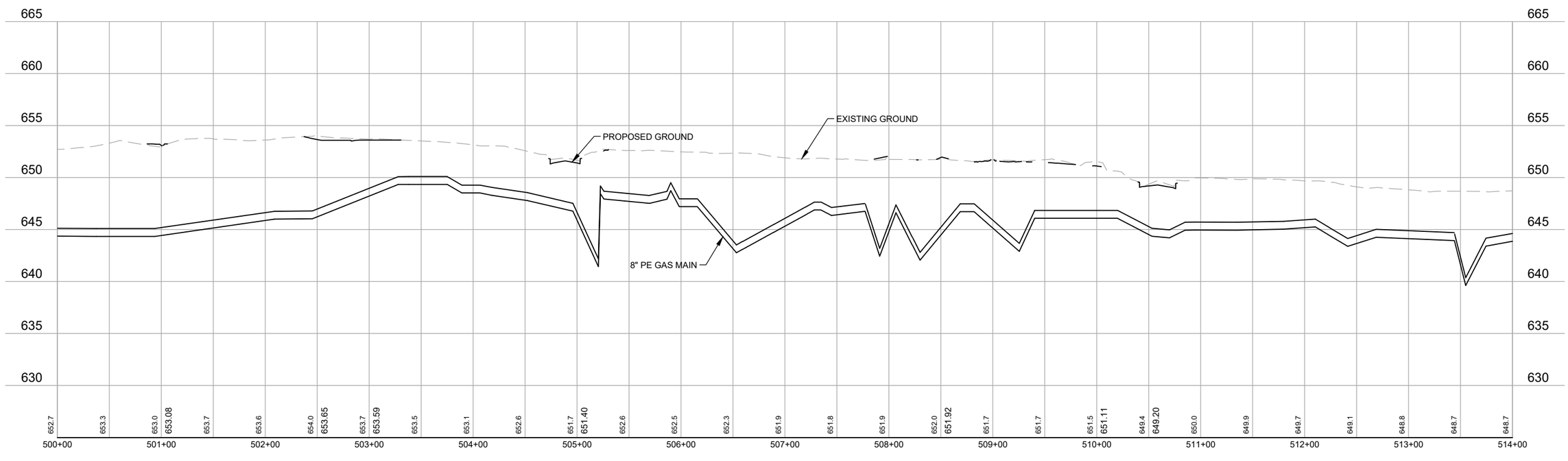
ELEVATIONS ARE PROVIDED BASED ON INFORMATION FROM DIRECTIONAL DRILLING INSTALLER. THIS IS LIMITED BY THE ABILITY TO ACCURATELY DETERMINE DEPTH AND THE FREQUENCY AT WHICH THIS DATA IS COLLECTED. ACTUAL INSTALLED CONDITION IS EXPECTED TO VARY FROM WHAT IS DEPICTED, AND THESE SHEETS ARE INTENDED TO PROVIDE A GENERAL UNDERSTANDING OF THE EXISTING CONDITIONS.



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	PLAN AND PROFILE: EXISTING GAS PLAN AND PROFILE (EAST)	SHEET 96	E



ELEVATIONS ARE PROVIDED BASED ON INFORMATION FROM DIRECTIONAL DRILLING INSTALLER. THIS IS LIMITED BY THE ABILITY TO ACCURATELY DETERMINE DEPTH AND THE FREQUENCY AT WHICH THIS DATA IS COLLECTED. ACTUAL INSTALLED CONDITION IS EXPECTED TO VARY FROM WHAT IS DEPICTED, AND THESE SHEETS ARE INTENDED TO PROVIDE A GENERAL UNDERSTANDING OF THE EXISTING CONDITIONS.

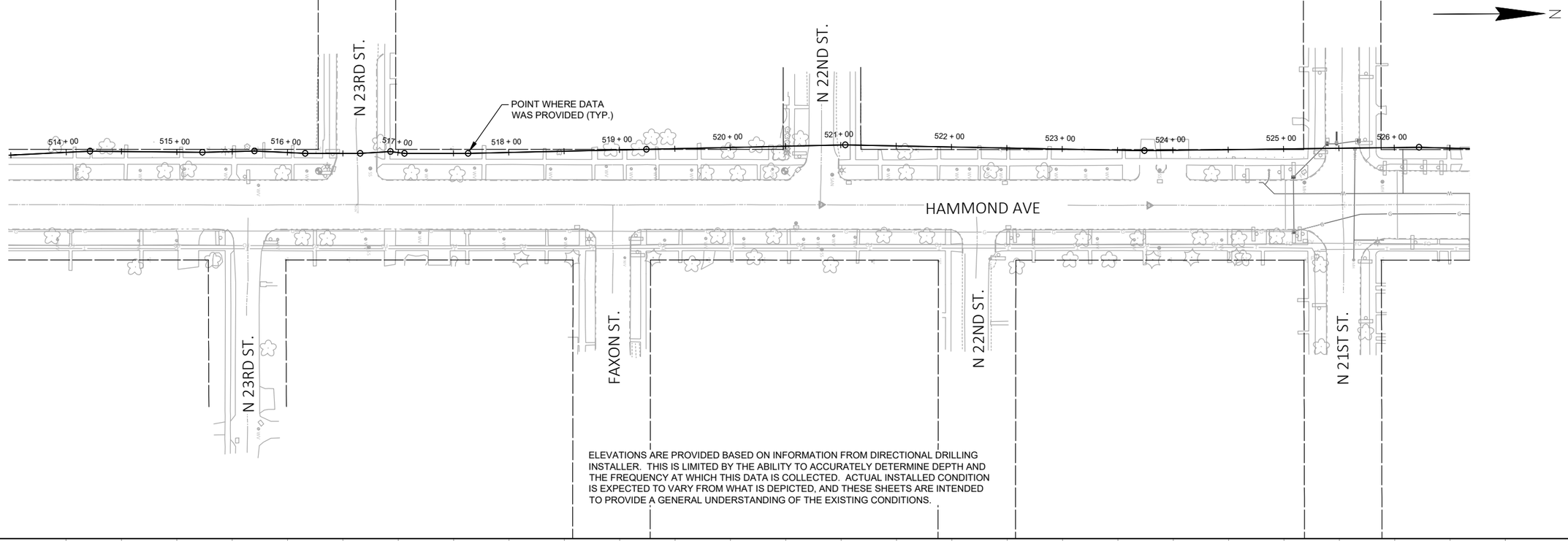


PROJECT NO: 8998-00-36	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	PLAN AND PROFILE: EXISTING GAS PLAN AND PROFILE (WEST)	SHEET 97	E

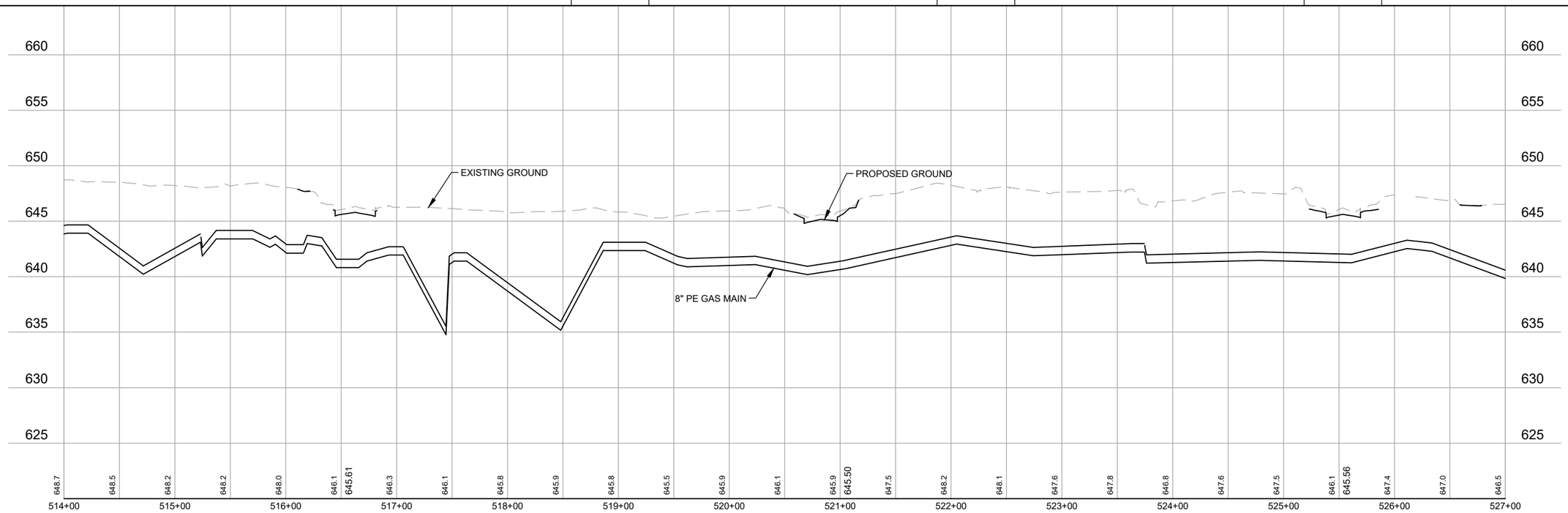
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\WATER\PHASE 2\DWG\SHEETS\SU163728P03_GAS MAIN WEST.DWG
LAYOUT NAME - WEST MAIN 1

PLOT DATE : 7/30/2024 4:14 PM PLOT BY : KRISTI GLENDENNING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



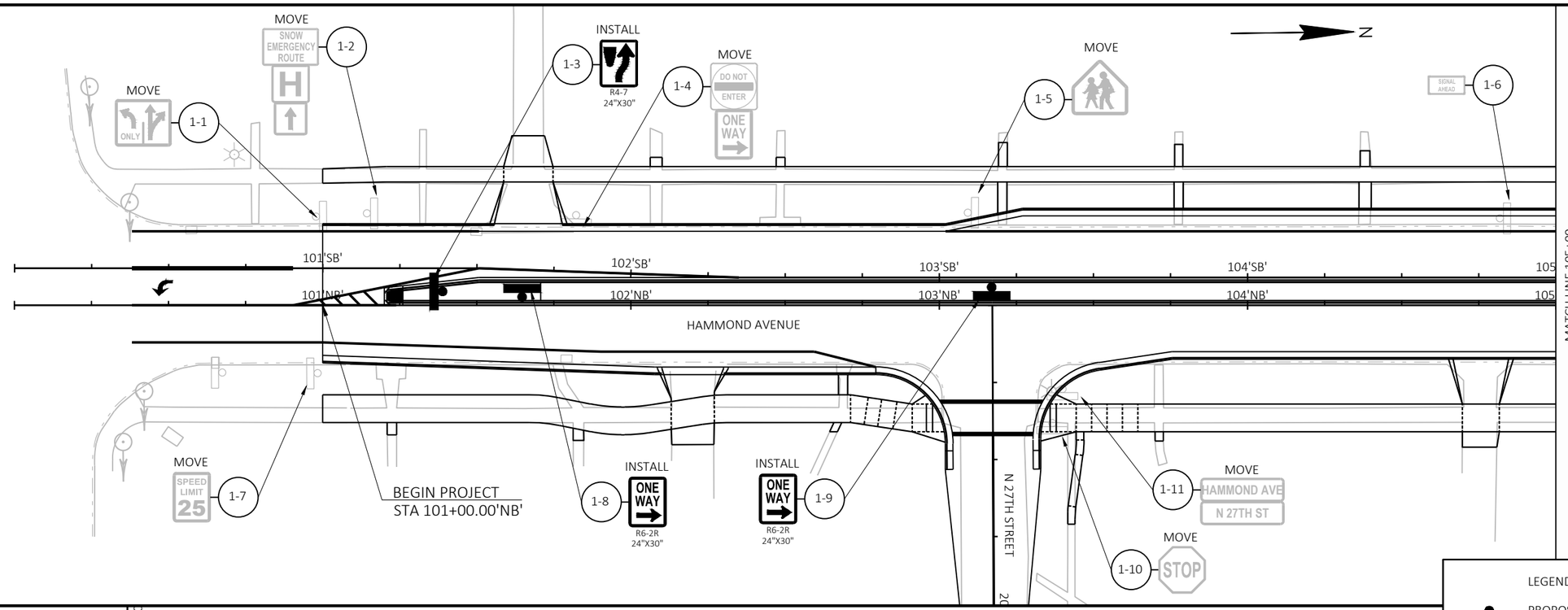
ELEVATIONS ARE PROVIDED BASED ON INFORMATION FROM DIRECTIONAL DRILLING INSTALLER. THIS IS LIMITED BY THE ABILITY TO ACCURATELY DETERMINE DEPTH AND THE FREQUENCY AT WHICH THIS DATA IS COLLECTED. ACTUAL INSTALLED CONDITION IS EXPECTED TO VARY FROM WHAT IS DEPICTED, AND THESE SHEETS ARE INTENDED TO PROVIDE A GENERAL UNDERSTANDING OF THE EXISTING CONDITIONS.



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE.	COUNTY: DOUGLAS	PLAN AND PROFILE: EXISTING GAS PLAN AND PROFILE (WEST)	SHEET 98	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\WATER\PHASE 2\DWG\SHEETS\SU163728P03_GAS MAIN WEST.DWG
LAYOUT NAME - WEST MAIN 2
PLOT DATE : 7/30/2024 4:13 PM PLOT BY : KRISTI GLENDENNING PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PERMANENT SIGNING	SHEET 99	E

BEGIN CONSTRUCTION
STA 239+15.00

MOVE STOP 2-1

INSTALL R9-3A 24"X24" USE CROSSWALK 2-19 R9-3BR 18"X12"

INSTALL R9-3A 24"X24" USE CROSSWALK 2-20 R9-3BL 18"X12"

2-2 SNOW EMERGENCY ROUTE

INSTALL 2-3 ONE WAY R6-2R 24"X30"

N

N 24TH STREET

MATCH LINE 110+50

111'SB' 112'SB' 113'SB' 114'SB' 115'SB' 116

111'NB' 112'NB' 113'NB' 114'NB' 115'NB' 116

HAMMOND AVENUE

MATCH LINE 116+00

INSTALL 2-4 R4-7 24"X30"

INSTALL 2-5 R4-7 24"X30"

MOVE HAMMOND AVE N 24TH ST 2-6

N 24TH STREET

241+00

MOVE 2-7 STOP

MATCH LINE 116+00

MOVE 2-8

INSTALL R9-3A 24"X24" USE CROSSWALK 2-21 R9-3BR 18"X12"

MOVE STOP 2-10

MOVE HAMMOND AVE N 23RD ST 2-9

N 23RD STREET

INSTALL R9-3A 24"X24" USE CROSSWALK 2-22 R9-3BL 18"X12"

INSTALL ONE WAY 2-11 R6-2R 24"X30"

INSTALL 2-12 R4-7 24"X30"

INSTALL 2-13 R4-7 24"X30"

N

117'SB' 118'SB' 119'SB' 120'SB' 121

117'NB' 118'NB' 119'NB' 120'NB' 121

HAMMOND AVENUE

MATCH LINE 121+00

INSTALL ONE WAY 2-16 R6-2R 24"X30"

MOVE HAMMOND AVE N 23RD ST 2-14

2-15 STOP MOVE

N 23RD STREET

MOVE HAMMOND AVE FAXON ST 2-18

FAXON STREET

MOVE 2-17 STOP

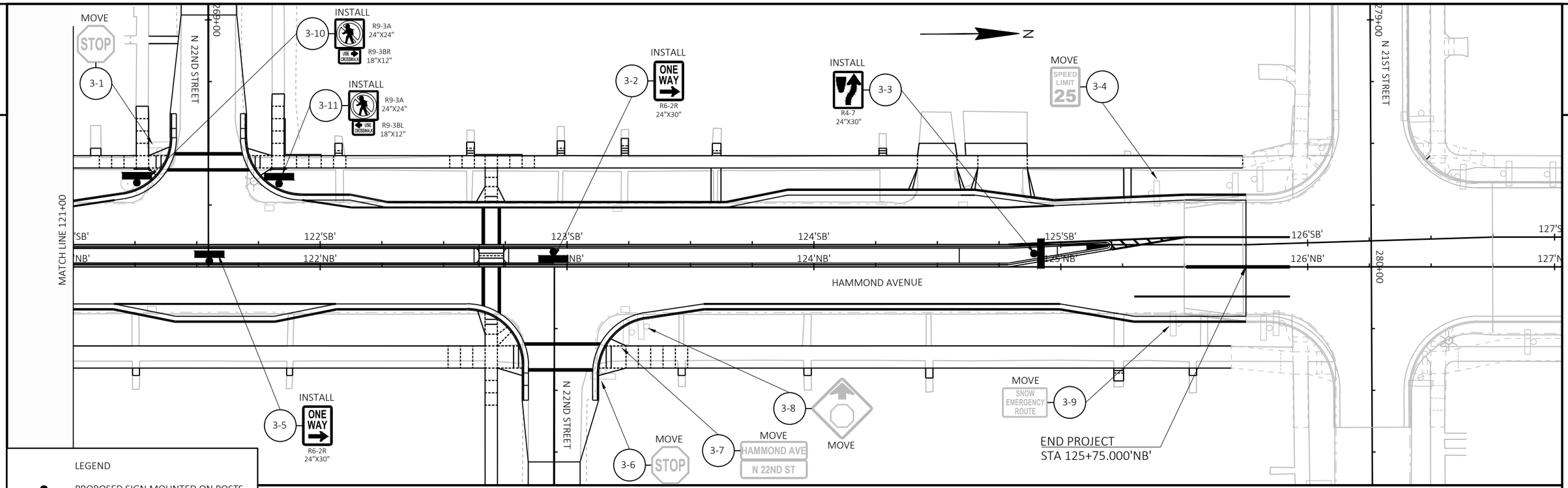
INSTALL 2-23 R9-3A 24"X24" USE CROSSWALK R9-3BL 18"X12"

LEGEND

PROPOSED SIGN MOUNTED ON POSTS
TUBULAR STEEL 2X2-INCH

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PERMANENT SIGNING	SHEET 100	E

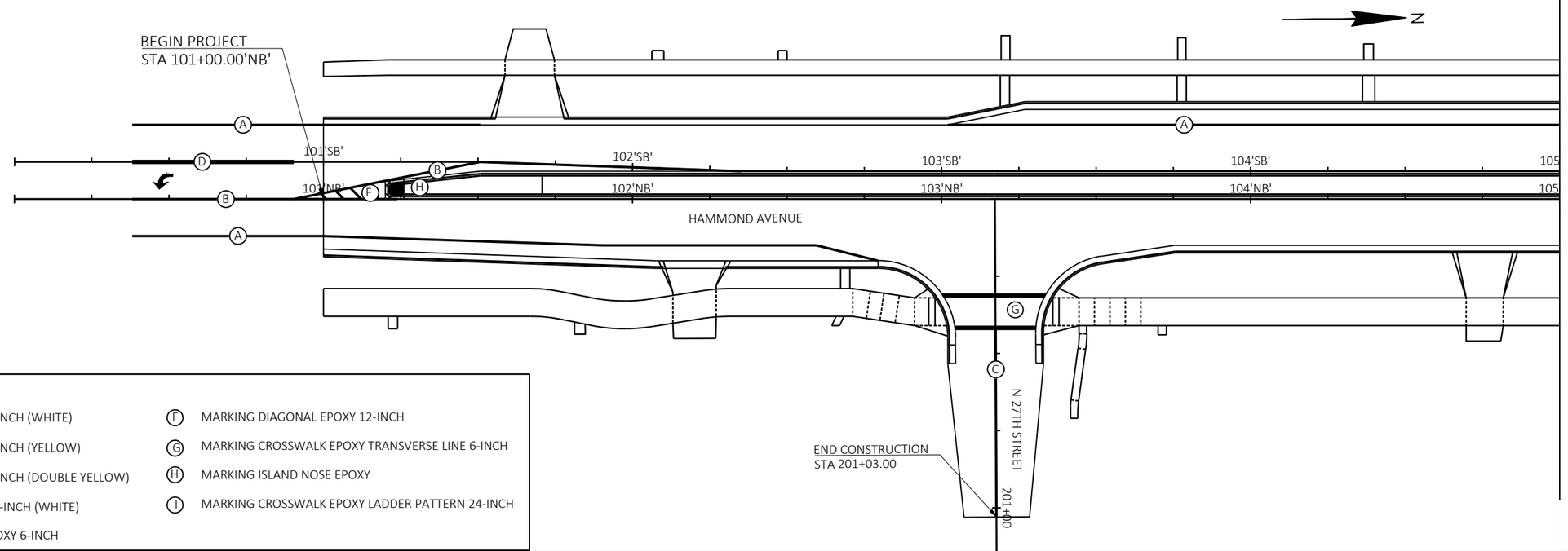
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\023201_PS.DWG
LAYOUT NAME - 02
PLOT DATE : 7/30/2024 10:08 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



2

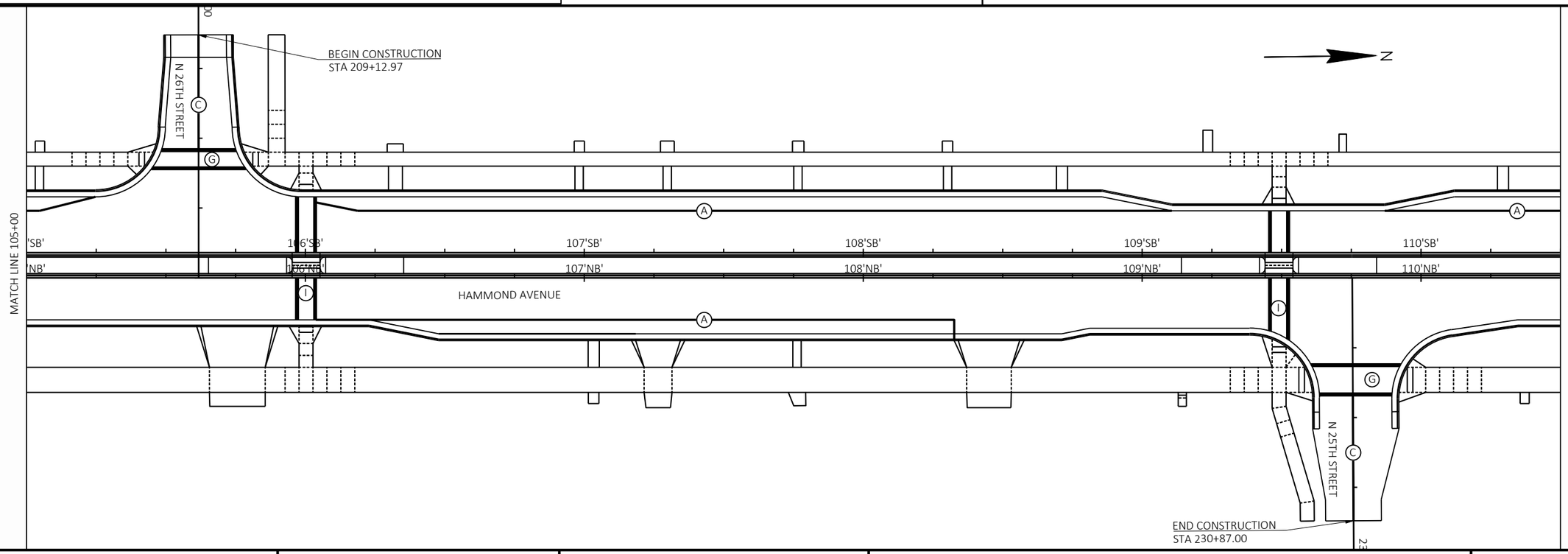
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PERMANENT SIGNING	SHEET 101	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\023201_PS.DWG
LAYOUT NAME - 03
PLOT DATE : 7/30/2024 10:09 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



LEGEND

- (A) MARKING LINE EPOXY 6-INCH (WHITE)
- (B) MARKING LINE EPOXY 6-INCH (YELLOW)
- (C) MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- (D) MARKING LINE EPOXY 10-INCH (WHITE)
- (E) MARKING DIAGONAL EPOXY 6-INCH
- (F) MARKING DIAGONAL EPOXY 12-INCH
- (G) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (H) MARKING ISLAND NOSE EPOXY
- (I) MARKING CROSSWALK EPOXY LADDER PATTERN 24-INCH



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PAVEMENT MARKING	SHEET 102	E

2

2

BEGIN CONSTRUCTION
STA 239+15.00

N 24TH STREET

N

MATCH LINE 110+50

MATCH LINE 116+00

111'SB' 112'SB' 113'SB' 114'SB' 115'SB' 116

111'NB' 112'NB' 113'NB' 114'NB' 115'NB' 116

HAMMOND AVENUE

END CONSTRUCTION
STA 241+06.00

N 24TH STREET

241+0

LEGEND

- (A) MARKING LINE EPOXY 6-INCH (WHITE)
- (B) MARKING LINE EPOXY 6-INCH (YELLOW)
- (C) MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- (D) MARKING LINE EPOXY 10-INCH (WHITE)
- (E) MARKING DIAGONAL EPOXY 6-INCH
- (F) MARKING DIAGONAL EPOXY 12-INCH
- (G) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (H) MARKING ISLAND NOSE EPOXY
- (I) MARKING CROSSWALK EPOXY LADDER PATTERN 24-INCH

BEGIN CONSTRUCTION
STA 248+75.00

N 23RD STREET

00

N

MATCH LINE 116+00

MATCH LINE 121+00

'SB' 117'SB' 118'SB' 119'SB' 120'SB' 121

NB 117'NB' 118'NB' 119'NB' 120'NB' 121

HAMMOND AVENUE

N 23RD STREET

25

END CONSTRUCTION
STA 250+82.00

FAXON STREET

END CONSTRUCTION
STA 260+90.00

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PAVEMENT MARKING	SHEET 103	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\024501_PM.DWG
LAYOUT NAME - 02

PLOT DATE : 7/30/2024 10:13 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

N

BEGIN CONSTRUCTION
STA 268+80.00

269+00

N 22ND STREET

MATCH LINE 121+00

'SB' 122'SB' 123'SB' 124'SB' 125'SB' 126'SB' 127'S

'NB' 122'NB' 123'NB' 124'NB' 125'NB 126'NB' 127'N

HAMMOND AVENUE

279+00

N 21ST STREET

280+00

281+00

END PROJECT
STA 125+75.000'NB'

N 22ND STREET

END CONSTRUCTION
STA 270+90.00

LEGEND

- (A) MARKING LINE EPOXY 6-INCH (WHITE)
- (B) MARKING LINE EPOXY 6-INCH (YELLOW)
- (C) MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
- (D) MARKING LINE EPOXY 10-INCH (WHITE)
- (E) MARKING DIAGONAL EPOXY 6-INCH
- (F) MARKING DIAGONAL EPOXY 12-INCH
- (G) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (H) MARKING ISLAND NOSE EPOXY
- (I) MARKING CROSSWALK EPOXY LADDER PATTERN 24-INCH

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PAVEMENT MARKING	SHEET 104	E

SEE SDD'S: "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAILS C AND D AND "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES" FOR REQUIRED SIGNS AND TRAFFIC CONTROL ITEMS.
PEDESTRIAN DETOUR WEST TO HUGHITT AVENUE.

"TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES" FOR REQUIRED SIGNS AND TRAFFIC CONTROL ITEMS.
PEDESTRIAN DETOUR WEST TO CUMMING AVENUE.

BEGIN PROJECT
STA 101+00.00'NB'

N

HAMMOND AVENUE

105'SB'
105'NB'

110'SB'
110'NB'

N 27TH STREET
201+00

N 26TH STREET
209+00

N 25TH STREET
231+00

N 24TH STREET
239+00

N 24TH STREET
242+00

MATCH LINE 115+00

LEGEND

WORK ZONE CLOSED TO TRAFFIC

1 SEE SDD'S: "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 1 AND "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES" FOR REQUIRED SIGNS AND TRAFFIC CONTROL ITEMS.

2 SEE SDD "TEMPORARY PEDESTRIAN CROSSING" FOR REQUIRED SIGNS AND TRAFFIC CONTROL ITEMS.

MATCH LINE 115+00

N

N 23RD STREET
249+00

N 22ND STREET
269+00

HAMMOND AVENUE

120'SB'
120'NB'

125'SB'
125'NB'

N 23RD STREET
251+00

FAXON STREET

N 22ND STREET

SEE SDD'S: "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAILS C AND D AND "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES" FOR REQUIRED SIGNS AND TRAFFIC CONTROL ITEMS.
PEDESTRIAN DETOUR WEST TO HUGHITT AVENUE.

N 21ST STREET
279+00

280+00

281+00

END PROJECT
STA 125+75.00'NB'

"TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES" FOR REQUIRED SIGNS AND TRAFFIC CONTROL ITEMS.
PEDESTRIAN DETOUR WEST TO CUMMING AVENUE.

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	TRAFFIC CONTROL	SHEET 105	E

2

N

BP: 100+00.01

BP: 100+66.60

PI: 101+19.81

PI: 101+50.69

PI: 101+50.69

EP: 102+35.00

PI: 102+35.00

CP #134
STA 101+66.39
-3.24' LT
Y=300321.024
X=148502.221

CP #102
STA 103+16.71
-3.48' LT
Y=300471.338
X=148503.022

N2°26'08"E

N0°23'52"E

101'SB'
101'NB'

102'SB'
102'NB'

103'SB'
103'NB'

104'SB'
104'NB'

N0°23'52"E

105'SB'
105'NB'

N 26TH STREET

BP: 208+50.00
Y = 300717.256
X = 148358.210

S89°38'52"E

200+00

106'SB'
106'NB'

107'SB'
107'NB'

108'SB'
108'NB'

109'SB'
109'NB'

STA 109+75.35'NB' HAMMOND AVE =
STA 230+00.00 N 25TH ST
Y = 301129.938
X = 148511.078

CP #103
STA 109+76.10
-3.10' LT
Y=301130.716
X=148507.983

110'SB'
110'NB'

111'SB'
111'NB'

N 24TH STREET

BP: 238+50.00
Y = 301288.640
X = 148362.203

S88°31'14"E

239+00

112'SB'
112'NB'

113'SB'
113'NB'

114'SB'
114'NB'

115

STA 113+07.97'NB' HAMMOND AVE =
STA 240+00.00 N 24TH ST
Y = 301462.557
X = 148513.388

CP #104
STA 113+07.99
-3.13' LT
Y=301462.597
X=148510.257

MATCH LINE 115+00

HAMMOND AVENUE

N5°44'47"W

BP: 100+00.00

BEGIN PROJECT
STA 101+00.00'NB'
Y = 300254.612
X = 148505.001

STA BACK = 102+35.05
STA AHEAD = 102+35.00

STA 103+17.24'NB' HAMMOND AVE =
STA 200+00.00 N 27ST ST
Y = 300471.842
X = 148506.510

STA 105+61.73'NB' HAMMOND AVE =
STA 210+00.00 N 26TH ST
Y = 300716.334
X = 148508.207

S89°21'14"E

201+00

EP: 201+50.00
Y = 300471.508
X = 148656.509

N 27TH STREET

S89°55'14"E

231+00

EP: 231+50.00
Y = 301129.730
X = 148661.078

N 25TH STREET

STA 111+30.18'NB' HAMMOND AVE =
STA 240+00.00 N 24TH ST
Y = 301284.767
X = 148512.153

S89°36'20"E

241+00

EP: 241+50.00
Y = 301461.525
X = 148663.384

N 24TH STREET

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	ALIGNMENT	SHEET 106	E

2

N

MATCH LINE 115+00

N 23RD STREET

N 22ND STREET

N 21ST STREET

HAMMOND AVENUE

FAXON STREET

N 22ND STREET

N 23RD STREET

116'SB' 116'NB' 117'SB' 117'NB' 118'SB' 118'NB' 119'SB' 119'NB' 120'SB' 120'NB' N0°23'52"E 121'SB' 121'NB' 122'SB' 122'NB' 123'SB' 123'NB' 124'SB' 124'NB' 125'SB' 125'NB' 126'SB' 126'NB' 127'SB' 127'NB' N0°23'52"E 128'SB' 128'NB'

249+00

S89°36'53"E

BP: 248+50.00
Y = 301890.046
X = 148366.355

STA 119+66.51 HAMMOND AVE =
STA 260+00.00 FAXON ST
Y = 302121.069
X = 148517.959

STA 121+54.73'NB' HAMMOND AVE =
STA 270+00.00 N 22ND ST
Y = 302309.283
X = 148519.266

269+00

S89°36'20"E

BP: 268+50.00
Y = 302310.320
X = 148369.270

STA 122+94.87'NB' HAMMOND AVE =
STA 270+00.00 N 22ND ST
Y = 302449.433
X = 148520.239

PI: 125+75.78

279+00

S89°15'54"E

PI: 126+74.87

280+00

281+00

S89°15'54"E

STA BACK = 126+74.92
STA AHEAD = 126+74.87

N0°23'52"E

CP #106
STA 121+54.62
-3.50' LT
Y=302309.205
X=148515.769

CP #107
STA 124+50.67
-2.92' LT
Y=302605.247
X=148518.402

S89°25'04"E

EP: 261+00.00
Y = 302120.058
X = 148617.954

S89°33'17"E

EP: 271+00.00
Y = 302448.656
X = 148620.236

END PROJECT
STA 125+75.00'NB'
Y = 302729.547
X = 148522.184

251+00

S89°40'00"E

STA 117+35.42 HAMMOND AVE =
STA 250+00.00 N 23RD ST
Y = 301889.992
X = 148516.355

STA 116+36.17 HAMMOND AVE =
STA 250+00.00 N 23RD ST
Y = 301790.740
X = 148515.674

EP: 252+00.00
Y = 301789.582
X = 148715.663

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	ALIGNMENT	SHEET 107	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\027201_AD.DWG
LAYOUT NAME - 02

PLOT DATE : 7/30/2024 10:19 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

Estimate Of Quantities

8998-00-36

Line	Item	Item Description	Unit	Total	Qty
0002	201.0120	Clearing	ID	43.000	43.000
0004	201.0220	Grubbing	ID	43.000	43.000
0006	204.0100	Removing Concrete Pavement	SY	6,610.000	6,610.000
0008	204.0150	Removing Curb & Gutter	LF	5,215.000	5,215.000
0010	204.0155	Removing Concrete Sidewalk	SY	3,475.000	3,475.000
0012	204.0210	Removing Manholes	EACH	9.000	9.000
0014	204.0220	Removing Inlets	EACH	18.000	18.000
0016	204.0245	Removing Storm Sewer (size) 01. 6-inch	LF	457.000	457.000
0018	204.0245	Removing Storm Sewer (size) 02. 10-Inch	LF	54.000	54.000
0020	204.0245	Removing Storm Sewer (size) 03. 12-Inch	LF	441.000	441.000
0022	204.0245	Removing Storm Sewer (size) 04. 15-Inch	LF	946.000	946.000
0024	204.0245	Removing Storm Sewer (size) 05. 27-inch	LF	89.000	89.000
0026	204.0245	Removing Storm Sewer (size) 06. 42-inch	LF	354.000	354.000
0028	205.0100	Excavation Common	CY	14,325.000	14,325.000
0030	213.0100	Finishing Roadway (project) 01. 8998-00-36	EACH	1.000	1.000
0032	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	8,958.000	8,958.000
0034	310.0110	Base Aggregate Open-Graded	TON	314.000	314.000
0036	312.0110	Select Crushed Material	TON	10,825.000	10,825.000
0038	455.0605	Tack Coat	GAL	755.000	755.000
0040	460.2000	Incentive Density HMA Pavement	DOL	2,250.000	2,250.000
0042	460.6224	HMA Pavement 4 MT 58-28 S	TON	1,930.000	1,930.000
0044	460.6244	HMA Pavement 4 MT 58-34 S	TON	1,580.000	1,580.000
0046	520.8000	Concrete Collars for Pipe	EACH	5.000	5.000
0048	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	5,289.000	5,289.000
0050	601.0600	Concrete Curb Pedestrian	LF	211.000	211.000
0052	602.0405	Concrete Sidewalk 4-Inch	SF	15,822.000	15,822.000
0054	602.0415	Concrete Sidewalk 6-Inch	SF	18,030.000	18,030.000
0056	602.0420	Concrete Sidewalk 7-Inch	SF	2,803.000	2,803.000
0058	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	619.000	619.000
0060	602.0810	Concrete Driveway 6-Inch	SY	567.000	567.000
0062	602.1500	Concrete Steps	SF	66.000	66.000
0064	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	17.000	17.000
0066	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	686.000	686.000
0068	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	144.000	144.000
0070	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	304.000	304.000
0072	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	859.000	859.000
0074	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	415.000	415.000
0076	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	36.000	36.000
0078	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	808.000	808.000
0080	608.0427	Storm Sewer Pipe Reinforced Concrete Class IV 27-Inch	LF	67.000	67.000
0082	608.2434	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	LF	134.000	134.000
0084	611.0420	Reconstructing Manholes	EACH	4.000	4.000
0086	611.0624	Inlet Covers Type H	EACH	54.000	54.000
0088	611.0639	Inlet Covers Type H-S	EACH	3.000	3.000
0090	611.2004	Manholes 4-FT Diameter	EACH	8.000	8.000
0092	611.2005	Manholes 5-FT Diameter	EACH	5.000	5.000
0094	611.2006	Manholes 6-FT Diameter	EACH	7.000	7.000
0096	611.2007	Manholes 7-FT Diameter	EACH	1.000	1.000
0098	611.2008	Manholes 8-FT Diameter	EACH	3.000	3.000

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Line	Item	Item Description	Unit	Total	Qty
0100	611.3004	Inlets 4-FT Diameter	EACH	17.000	17.000
0102	611.3230	Inlets 2x3-FT	EACH	40.000	40.000
0104	612.0106	Pipe Underdrain 6-Inch	LF	5,390.000	5,390.000
0106	612.0902.S	Insulation Board Polystyrene (inch) 01. 4-inch	SY	100.000	100.000
0108	618.0100	Maintenance and Repair of Haul Roads (project) 01. 8998-00-36	EACH	1.000	1.000
0110	619.1000	Mobilization	EACH	1.000	1.000
0112	620.0300	Concrete Median Sloped Nose	SF	187.000	187.000
0114	623.0200	Dust Control Surface Treatment	SY	17,070.000	17,070.000
0116	625.0100	Topsoil	SY	7,725.000	7,725.000
0118	627.0200	Mulching	SY	9,670.000	9,670.000
0120	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0122	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0124	628.7005	Inlet Protection Type A	EACH	56.000	56.000
0126	628.7020	Inlet Protection Type D	EACH	56.000	56.000
0128	628.7560	Tracking Pads	EACH	6.000	6.000
0130	629.0210	Fertilizer Type B	CWT	6.270	6.270
0132	630.0140	Seeding Mixture No. 40	LB	180.000	180.000
0134	630.0200	Seeding Temporary	LB	226.000	226.000
0136	630.0500	Seed Water	MGAL	71.000	71.000
0138	632.0101	Trees (species, root, size) 01. Prairie Sentinel Hackberry, 2.5" Cal	EACH	8.000	8.000
0140	632.0101	Trees (species, root, size) 02. Kentucky Coffeetree, 2.5" Cal	EACH	10.000	10.000
0142	632.0101	Trees (species, root, size) 03. American Hophornbeam, 2.5" Cal	EACH	3.000	3.000
0144	632.0101	Trees (species, root, size) 04. Regal Prince Oak, 2.5" Cal	EACH	5.000	5.000
0146	632.0101	Trees (species, root, size) 05. Crimson Spire Oak 2.5" Cal	EACH	4.000	4.000
0148	632.0101	Trees (species, root, size) 06. Boulevard American Linden, 2.5" Cal	EACH	8.000	8.000
0150	632.0101	Trees (species, root, size) 07. Accolade Elm, 2.5" Cal	EACH	8.000	8.000
0152	632.0201	Shrubs (species, root, size) 01. New Jersey Tea, 2 Gal	EACH	13.000	13.000
0154	632.0201	Shrubs (species, root, size) 02. Nodding Onion, 1 Gal	EACH	171.000	171.000
0156	632.0201	Shrubs (species, root, size) 03. Leadplant, 1 Gal	EACH	22.000	22.000
0158	632.0201	Shrubs (species, root, size) 04. Eastern Columbine, 1 Gal	EACH	117.000	117.000
0160	632.0201	Shrubs (species, root, size) 05. Butterfly Milkweed, 1 Gal	EACH	73.000	73.000
0162	632.0201	Shrubs (species, root, size) 06. Longbract Wild Indigo, 1 Gal	EACH	46.000	46.000
0164	632.0201	Shrubs (species, root, size) 07. Harebell, 1 Gal	EACH	236.000	236.000
0166	632.0201	Shrubs (species, root, size) 08. Double Sunburst Tickseed, 1 Gal	EACH	182.000	182.000
0168	632.0201	Shrubs (species, root, size) 09. Spotted Geranium, 1 Gal	EACH	79.000	79.000
0170	632.0201	Shrubs (species, root, size) 10. Rough Blazing Star, 1 Gal	EACH	20.000	20.000
0172	632.0201	Shrubs (species, root, size) 11. Wild Lupine, 1 Gal	EACH	105.000	105.000
0174	632.0201	Shrubs (species, root, size) 12. Stiff Goldenrod, 1 Gal	EACH	14.000	14.000
0176	632.0201	Shrubs (species, root, size) 13. Smooth Aster, 1 Gal	EACH	54.000	54.000
0178	632.0201	Shrubs (species, root, size) 14. Golden Alexander, 1 Gal	EACH	44.000	44.000
0180	632.0201	Shrubs (species, root, size) 15. Little Bluestem - Grass	EACH	119.000	119.000
0182	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	20.000	20.000
0184	634.0808	Posts Tubular Steel 2x2-Inch X 8-FT	EACH	7.000	7.000
0186	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	15.000	15.000
0188	637.2210	Signs Type II Reflective H	SF	115.900	115.900
0190	637.2230	Signs Type II Reflective F	SF	33.200	33.200
0192	638.2102	Moving Signs Type II	EACH	42.000	42.000
0194	642.5001	Field Office Type B	EACH	1.000	1.000
0196	643.0300	Traffic Control Drums	DAY	4,160.000	4,160.000

Estimate Of Quantities

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Line	Item	Item Description	Unit	Total	Qty
0198	643.0420	Traffic Control Barricades Type III	DAY	13,312.000	13,312.000
0200	643.0705	Traffic Control Warning Lights Type A	DAY	8,320.000	8,320.000
0202	643.0900	Traffic Control Signs	DAY	36,192.000	36,192.000
0204	643.5000	Traffic Control	EACH	1.000	1.000
0206	644.1605	Temporary Pedestrian Detectable Warning Field	SF	40.000	40.000
0208	644.1810	Temporary Pedestrian Barricade	LF	32.000	32.000
0210	645.0111	Geotextile Type DF Schedule A	SY	3,004.000	3,004.000
0212	645.0220	Geogrid Type SR	SY	17,070.000	17,070.000
0214	646.2020	Marking Line Epoxy 6-Inch	LF	4,665.000	4,665.000
0216	646.4020	Marking Line Epoxy 10-Inch	LF	94.000	94.000
0218	646.7020	Marking Diagonal Epoxy 6-Inch	LF	37.000	37.000
0220	646.7120	Marking Diagonal Epoxy 12-Inch	LF	32.000	32.000
0222	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	978.000	978.000
0224	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	104.000	104.000
0226	646.8220	Marking Island Nose Epoxy	EACH	6.000	6.000
0228	650.4000	Construction Staking Storm Sewer	EACH	85.000	85.000
0230	650.4500	Construction Staking Subgrade	LF	3,451.000	3,451.000
0232	650.5000	Construction Staking Base	LF	3,451.000	3,451.000
0234	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	10,015.000	10,015.000
0236	650.9000	Construction Staking Curb Ramps	EACH	42.000	42.000
0238	650.9500	Construction Staking Sidewalk (project) 01. 8998-00-36	EACH	1.000	1.000
0240	650.9911	Construction Staking Supplemental Control (project) 01. 8998-00-36	EACH	1.000	1.000
0242	650.9920	Construction Staking Slope Stakes	LF	3,451.000	3,451.000
0244	654.0101	Concrete Bases Type 1	EACH	4.000	4.000
0246	655.0510	Electrical Wire Traffic Signals 12 AWG	LF	4,650.000	4,650.000
0248	657.0100	Pedestal Bases	EACH	4.000	4.000
0250	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	4.000	4.000
0252	658.0500	Pedestrian Push Buttons	EACH	3.000	3.000
0254	690.0150	Sawing Asphalt	LF	290.000	290.000
0256	690.0250	Sawing Concrete	LF	504.000	504.000
0258	740.0440	Incentive IRI Ride	DOL	1,880.000	1,880.000
0260	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,500.000	1,500.000
0262	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	990.000	990.000
0264	SPV.0035	Special 01. Planting Mixture	CY	1,125.000	1,125.000
0266	SPV.0060	Special 01. Utility Line Opening	EACH	15.000	15.000
0268	SPV.0060	Special 02. Tree Planting, Preservation and Protection	EACH	54.000	54.000
0270	SPV.0060	Special 03. Locate and Replace Existing Centerline Monuments	EACH	3.000	3.000
0272	SPV.0060	Special 04. Locate and Reset Property Corners	EACH	38.000	38.000
0274	SPV.0060	Special 05. Manhole Covers, Type J-Special	EACH	28.000	28.000
0276	SPV.0060	Special 06. Retangular Rapid Flashing Beacon (RRFB) System	EACH	1.000	1.000
0278	SPV.0060	Special 07. Drop Vault, 12-Inch x 12-Inch	EACH	50.000	50.000
0280	SPV.0060	Special 08. Vault, 24-Inch x 36-Inch	EACH	8.000	8.000
0282	SPV.0060	Special 09. Connect to Existing Storm Sewer	EACH	1.000	1.000
0284	SPV.0060	Special 20. Remove Water Valve and Box	EACH	16.000	16.000
0286	SPV.0060	Special 21. Remove Curb Stop and Box	EACH	75.000	75.000
0288	SPV.0060	Special 22. Remove Hydrant	EACH	9.000	9.000
0290	SPV.0060	Special 23. Gate Valve and Box, 8-inch	EACH	15.000	15.000
0292	SPV.0060	Special 24. Hydrant Assembly	EACH	8.000	8.000
0294	SPV.0060	Special 25. Connect to Existing Water Main	EACH	7.000	7.000

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Line	Item	Item Description	Unit	Total	Qty
0296	SPV.0060	Special 26. Connect to Existing Water Service	EACH	73.000	73.000
0298	SPV.0060	Special 27. Tapping Tee with Electrofusion Saddle, 1-inch	EACH	73.000	73.000
0300	SPV.0060	Special 28. Hydrant	EACH	1.000	1.000
0302	SPV.0060	Special 29. Curb Stop and Box, 1-inch	EACH	73.000	73.000
0304	SPV.0060	Special 30. Temporary Water Service	EACH	1.000	1.000
0306	SPV.0090	Special 01. Concrete Curb & Gutter 6-inch Sloped 18-Inch Type J Modified	LF	4,515.000	4,515.000
0308	SPV.0090	Special 02. Cure and Seal Treatment, Concrete Curb and Gutter	LF	10,015.000	10,015.000
0310	SPV.0090	Special 03. Sewer Field Quality Control - Televising	LF	3,470.000	3,470.000
0312	SPV.0090	Special 04. Conduit HDPE, 1-Inch	LF	4,050.000	4,050.000
0314	SPV.0090	Special 05. Conduit HDPE, 2-Inch	LF	2,945.000	2,945.000
0316	SPV.0090	Special 20. Remove or Abandon Water Main	LF	2,954.000	2,954.000
0318	SPV.0090	Special 21. Remove Steel Gas Main	LF	2,763.000	2,763.000
0320	SPV.0090	Special 22. Water Main and Fittings, 8-inch HDPE DR-11	LF	3,212.000	3,212.000
0322	SPV.0090	Special 23. Water Service, 1-inch HDPE	LF	3,519.000	3,519.000
0324	SPV.0120	Special 01. Bee Lawn Seed Water	MGAL	15.000	15.000
0326	SPV.0165	Special 01. Cure and Seal Treatment, Concrete Sidewalk	SF	36,655.000	36,655.000
0328	SPV.0165	Special 02. Cure and Seal Treatment, Concrete Median Sloped Nose	SF	187.000	187.000
0330	SPV.0180	Special 01. Bee Lawn	SY	870.000	870.000

3

CLEARING AND GRUBBING

CATEGORY	STATION	LOCATION	* 201.0120 CLEARING ID	* 201.0220 GRUBBING ID	REMARKS
0010	104+15	32.9' LT	3	3	
0010	108+17	31.6' LT	6	6	
0010	111+68	25.6' RT	3	3	
0010	113+65	25.0' RT	27	27	
0010	269+46	31.0' RT	2	2	22ND AVENUE
0010	269+49	31.0' RT	2	2	22ND AVENUE
		TOTAL 0010	43	43	

* NO TREES TO BE REMOVED WITHIN THE PROJECT LIMITS WITHOUT THE APPORVAL OF THE ENGINEER.

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	* 204.0100 REMOVING CONCRETE PAVEMENT SY	REMARKS
0010	101+00	-	103+17	LT & RT	530	
0010	103+17	-	105+61	LT & RT	596	
0010	105+61	-	109+75	LT & RT	1,012	
0010	109+75	-	111+30	LT & RT	379	
0010	111+30	-	113+07	LT & RT	433	
0010	113+07	-	116+36	LT & RT	804	
0010	116+36	-	117+35	LT & RT	242	
0010	117+35	-	119+66	LT & RT	565	
0010	119+66	-	121+54	LT & RT	460	
0010	121+54	-	122+94	LT & RT	342	
0010	122+94	-	125+75	LT & RT	687	
0010	101+67	-		LT	41	DRIVEWAY
0010	102+20	-		RT	29	DRIVEWAY
0010	104+75	-		RT	29	DRIVEWAY
0010	105+76	-		RT	51	DRIVEWAY
0010	107+26	-		RT	25	DRIVEWAY
0010	108+45	-		RT	43	DRIVEWAY
0010	110+66	-		RT	23	DRIVEWAY
0010	111+98	-		RT	27	DRIVEWAY
0010	115+83	-		RT	48	DRIVEWAY
0010	117+65	-		RT	21	DRIVEWAY
0010	118+10	-		RT	41	DRIVEWAY
0010	124+50	-		LT	27	DRIVEWAY
0010	124+74	-		LT	32	DRIVEWAY
0010	200+00	-	201+03	LT & RT		N 27TH STREET EAST
0010	209+12	-	210+00	LT & RT	122	N 26TH STREET WEST
0010	230+00	-	230+87	LT & RT		N 25TH STREET EAST
0010	239+15	-	240+00	LT & RT		N 24TH STREET WEST
0010	240+00	-	241+06	LT & RT		N 24TH STREET EAST
0010	250+00	-	250+82	LT		N 23RD STREET EAST
0010	248+75	-	250+00	LT & RT		N 23RD STREET WEST
0010	260+00	-	260+90	LT & RT		FAXON STREET
0010	268+80	-	270+00	LT & RT		N 22ND STREET WEST
0010	270+00	-	270+90	LT & RT		N 22ND STREET EAST
				TOTAL 0010	6,610	

*FIELD VERIFY CONCRETE PAVEMENT LOCATIONS AND LIMITS

REMOVING CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	REMARKS
0010	101+00	-	103+17	LT & RT	406	
0010	103+17	-	105+61	LT & RT	431	
0010	105+61	-	109+75	LT & RT	778	
0010	109+75	-	111+30	LT & RT	246	
0010	111+30	-	113+07	LT & RT	304	
0010	113+07	-	116+36	LT & RT	611	
0010	116+36	-	117+35	LT & RT	138	
0010	117+35	-	119+66	LT & RT	405	
0010	119+66	-	121+54	LT & RT	314	
0010	121+54	-	122+94	LT & RT	231	
0010	122+94	-	125+75	LT & RT	518	
0010	200+00	-	201+03	LT & RT	54	N 27TH STREET EAST
0010	209+12	-	210+00	LT & RT	53	N 26TH STREET WEST
0010	230+00	-	230+87	LT & RT	41	N 25TH STREET EAST
0010	239+15	-	240+00	LT & RT	136	N 24TH STREET WEST
0010	240+00	-	241+06	LT & RT	47	N 24TH STREET EAST
0010	250+00	-	250+82	LT	19	N 23RD STREET EAST
0010	248+75	-	250+00	LT & RT	209	N 23RD STREET WEST
0010	260+00	-	260+90	LT & RT	161	FAXON STREET
0010	268+80	-	270+00	LT & RT	56	N 22ND STREET WEST
0010	270+00	-	270+90	LT & RT	57	N 22ND STREET EAST
				TOTAL 0010	5,215	

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REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY	REMARKS
0010	101+00	-	103+17	LT & RT	267	
0010	103+17	-	105+61	LT & RT	283	
0010	105+61	-	109+75	LT & RT	544	
0010	109+75	-	111+30	LT & RT	179	
0010	111+30	-	113+07	LT & RT	203	
0010	113+07	-	116+36	LT & RT	441	
0010	116+36	-	117+35	LT & RT	113	
0010	117+35	-	119+66	LT & RT	271	
0010	119+66	-	121+54	LT & RT	260	
0010	121+54	-	122+94	LT & RT	182	
0010	122+94	-	125+75	LT & RT	414	
0010	200+00	-	201+03	LT	9	N 27TH STREET EAST
0010	209+12	-	210+00	LT	26	N 26TH STREET WEST
0010	230+00	-	230+87	RT	26	N 25TH STREET EAST
0010	239+15	-	240+00	LT & RT	45	N 24TH STREET WEST
0010	250+00	-	250+82	LT & RT	26	N 23RD STREET EAST
0010	248+75	-	250+00	LT & RT	87	N 23RD STREET WEST
0010	260+00	-	260+90	LT & RT	60	FAXON STREET
0010	268+80	-	270+00	LT & RT	9	N 22ND STREET WEST
0010	270+00	-	270+90	RT	29	N 22ND STREET EAST
				TOTAL 0010	3,475	

REMOVING MANHOLES

CATEGORY	STATION	TO	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	REMARKS
0010	101+72	-		LT	1	
0010	105+55	-		LT	1	N 26TH STREET WEST
0010	111+42	-		LT	1	N 24TH STREET WEST
0010	111+47	-		LT	1	N 24TH STREET WEST
0010	112+14	-		LT	1	
0010	117+47	-		LT	1	N 23RD STREET WEST
0010	121+65	-		LT	1	N 22ND STREET WEST
0010	124+60	-		RT	1	
0010	124+60	-		LT	1	
				TOTAL 0010	9	

REMOVING INLETS

CATEGORY	STATION	TO	STATION	LOCATION	204.0220 REMOVING INLETS EACH	REMARKS
0010	101+50	-		LT	1	
0010	101+78	-		LT	1	
0010	101+79	-		RT	1	N 26TH STREET WEST
0010	105+39	-		LT	1	N 26TH STREET WEST
0010	105+76	-		LT	1	
0010	105+55	-		RT	1	
0010	109+49	-		RT	1	
0010	111+09	-		RT	1	N 24TH STREET WEST
0010	111+09	-		LT	1	N 24TH STREET EAST
0010	112+91	-		RT	1	N 23RD STREET WEST
0010	117+13	-		LT	1	
0010	119+34	-		RT	1	
0010	121+32	-		RT	1	
0010	121+32	-		LT	1	N 22ND STREET WEST
0010	121+79	-		LT	1	N 22ND STREET WEST
0010	123+20	-		LT	1	
0010	123+24	-		RT	1	
0010	124+60	-		LT	1	
				TOTAL 0010	18	

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REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	204.0245.01 (6-INCH) LF	204.0245.02 (10-INCH) LF	204.0245.03 (12-INCH) LF	204.0245.04 (15-INCH) LF	204.0245.05 (27-INCH) LF	204.0245.06 (42-INCH) LF	REMARKS
					REMOVING STORM SEWER (SIZE)						
0010	101+00	-	101+71	LT			72				
0010	101+50	-	101+78	LT			30				
0010	101+71	-	101+78	LT			17				
0010	101+78	-	101+79	LT & RT			54				
0010	105+39	-	105+55	LT			16				
0010	105+55	-		LT				21			
0010	105+55	-		LT & RT			54				
0010	105+55	-	105+76	LT			22				
0010	109+49	-	111+09	RT	160						
0010	111+09	-	111+09	LT & RT	55						
0010	111+09	-	111+47	LT			40				
0010	111+42	-	111+47	LT						8	
0010	111+47	-	112+14	LT						68	
0010	112+14	-	113+03	LT & RT						150	
0010	112+91	-	113+03	RT			52				
0010	117+13	-	117+47	LT			35				
0010	117+47	-	117+46	LT & RT					89		
0010	119+34	-	121+32	RT	198						
0010	121+32	-	121+32	LT & RT		54					
0010	121+32	-	121+64	LT			33				
0010	121+65	-		LT						60	
0010	121+55	-	121+65	LT & RT						68	
0010	121+65	-	121+79	LT			16				
0010	121+55	-	124+60	RT				714			
0010	123+20	-	123+24	LT	44						
0010	123+24	-	124+60	LT				141			
0010	124+60	-	124+60	LT & RT				70			
		-									
				TOTAL 0010	457	54	441	946	89	354	

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.30	MASS ORDINATE +/- (14)	WASTE	COMMENT
DIVISION 1										
HAMMOND	101+00/125+75		11,519	3,837	7,682	131	170	7,512	7,512	
27TH STREET	200+19.008/201+03		282	29	253	0	0	253	253	
26TH STREET	209+13.171/209+71		216	41	175	0	0	175	175	
25TH STREET	230+18.002/230+86.99		242	25	217	0	0	217	217	
24TH STREET (WEST)	239+15.318/239+70.995		234	39	195	0	0	195	195	
24TH STREET (EAST)	240+20.008/241+05.069		283	30	253	0	0	253	253	
23RD STREET (EAST)	250+17.481/250+82		219	23	196	1	1	195	195	
23RD STREET (WEST)	248+75.039/249+72.993		424	63	361	1	1	360	360	
FAXON STREET	260+20.012/260+90		319	41	278	0	0	278	278	
22ND STREET (WEST)	268+80/269+72.994		322	32	290	0	0	290	290	
22ND STREET (EAST)	270+15.002/270+90		265	27	238	0	0	238	238	
DIVISION 1 SUBTOTAL			14,325	4,187	10,138	133	173	9,965	9,965	
GRAND TOTAL			14,325	4,187	10,138	133	173	9,965	9,965	
TOTAL COMMON EXC			14,325							

NOTES:
(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(13) EXPANDED FILL FACTOR = 1.30
(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

FINISHING ROADWAY

CATEGORY	STATION	TO	STATION	LOCATION	213.0100.01 FINISHING ROADWAY (8998-00-36) EACH	REMARKS
0010	101+00	-	125+75	LT & RT	1	
				TOTAL 0010	1	

BASE AGGREGATE

CATEGORY	STATION	TO	STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	REMARKS
0010	101+00	-	103+17	LT & RT	635	777	
0010	103+17	-	105+61	LT & RT	738	894	
0010	105+61	-	109+75	LT & RT	1,295	1,577	
0010	109+75	-	111+30	LT & RT	468	579	
0010	111+30	-	113+07	LT & RT	570	706	
0010	113+07	-	116+36	LT & RT	1,004	1,213	
0010	116+36	-	117+35	LT & RT	286	346	
0010	117+35	-	119+66	LT & RT	726	896	
0010	119+66	-	121+54	LT & RT	564	682	
0010	121+54	-	122+94	LT & RT	407	483	
0010	122+94	-	125+75	LT & RT	741	896	
0010	200+00	-	201+03	LT & RT	131	184	N 27TH STREET
0010	209+12	-	210+00	LT & RT	100	132	N 26TH STREET
0010	230+00	-	230+87	LT & RT	114	154	N 25TH STREET
0010	239+15	-	240+00	LT & RT	119	155	N 24TH STREET
0010	240+00	-	241+06	LT & RT	132	188	N 24TH STREET
0010	250+00	-	250+82	LT & RT	105	134	N 23RD STREET
0010	248+75	-	250+00	LT & RT	217	281	N 23RD STREET
0010	260+00	-	260+90	LT & RT	135	174	FAXON STREET
0010	268+80	-	270+00	LT & RT	145	197	N 22ND STREET
0010	270+00	-	270+90	LT & RT	131	177	N 22ND STREET
0010	101+67	-		LT	19		DRIVEWAY
0010	102+20	-		RT	13		DRIVEWAY
0010	104+75	-		RT	15		DRIVEWAY
0010	105+76	-		RT	24		DRIVEWAY
0010	107+26	-		RT	11		DRIVEWAY
0010	108+45	-		RT	16		DRIVEWAY
0010	110+66	-		RT	13		DRIVEWAY
0010	111+98	-		RT	11		DRIVEWAY
0010	115+83	-		RT	18		DRIVEWAY
0010	117+65	-		RT	9		DRIVEWAY
0010	118+10	-		RT	17		DRIVEWAY
0010	124+50	-		LT	12		DRIVEWAY
0010	124+74	-		LT	17		DRIVEWAY
				TOTAL 0010	8,958	10,825	

HMA ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6244 HMA PAVEMENT 4 MT 58-34 S TON	REMARKS
0010	101+00	-	103+17	LT & RT	51	131	107	
0010	103+17	-	105+61	LT & RT	58	149	122	
0010	105+61	-	109+75	LT & RT	104	267	218	
0010	109+75	-	111+30	LT & RT	39	100	82	
0010	111+30	-	113+07	LT & RT	51	129	107	
0010	113+07	-	116+36	LT & RT	79	203	166	
0010	116+36	-	117+35	LT & RT	22	56	46	
0010	117+35	-	119+66	LT & RT	63	158	129	
0010	119+66	-	121+54	LT & RT	45	116	95	
0010	121+54	-	122+94	LT & RT	31	79	64	
0010	122+94	-	125+75	LT & RT	59	151	124	
0010	200+00	-	201+03	LT & RT	16	42	34	N 27TH STREET
0010	209+12	-	210+00	LT & RT	11	27	22	N 26TH STREET
0010	230+00	-	230+87	LT & RT	13	34	28	N 25TH STREET
0010	239+15	-	240+00	LT & RT	13	33	27	N 24TH STREET
0010	240+00	-	241+06	LT & RT	17	43	35	N 24TH STREET
0010	250+00	-	250+82	LT & RT	12	30	25	N 23RD STREET
0010	248+75	-	250+00	LT & RT	22	58	47	N 23RD STREET
0010	260+00	-	260+90	LT & RT	15	40	33	FAXON STREET
0010	268+80	-	270+00	LT & RT	18	45	37	N 22ND STREET
0010	270+00	-	270+90	LT & RT	15	39	32	N 22ND STREET
				TOTAL 0010	755	1,930	1,580	

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CONCRETE CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	SPV.0090.01 CONCRETE CURB & GUTTER 6-INCH SLOPED 18-INCH TYPE J MODIFIED LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	SPV.0090.02 CURE AND SEAL TREATMENT, CONCRETE CURB AND GUTTER LF	REMARKS
0010	101+00	-	103+17	LT & RT	397	383		780	780	
0010	103+17	-	105+61	LT & RT	418	489		907	907	
0010	105+61	-	109+75	LT & RT	755	828		1,583	1,583	
0010	109+75	-	111+30	LT & RT	236	253		489	489	
0010	111+30	-	113+07	LT & RT	277	272		549	549	
0010	113+07	-	116+36	LT & RT	584	656		1,240	1,240	
0010	116+36	-	117+35	LT & RT	126	198		324	324	
0010	117+35	-	119+66	LT & RT	386	386	16	788	788	
0010	119+66	-	121+54	LT & RT	312	320		632	632	
0010	121+54	-	122+94	LT & RT	207	281	19	507	507	
0010	122+94	-	125+75	LT & RT	452	449		901	901	
0010	200+00	-	201+03	LT & RT	87			87	87	N 27TH STREET
0010	209+12	-	210+00	LT & RT	139			139	139	N 26TH STREET
0010	230+00	-	230+87	LT & RT	91			91	91	N 25TH STREET
0010	239+15	-	240+00	LT & RT	135		14	149	149	N 24TH STREET
0010	240+00	-	241+06	LT & RT	91			91	91	N 24TH STREET
0010	250+00	-	250+82	LT & RT	94		30	124	124	N 23RD STREET
0010	248+75	-	250+00	LT & RT	211		43	254	254	N 23RD STREET
0010	260+00	-	260+90	LT & RT	84		46	130	130	FAXON STREET
0010	268+80	-	270+00	LT & RT	89		43	132	132	N 22ND STREET
0010	270+00	-	270+90	LT & RT	118			118	118	N 22ND STREET
0010		-								
				TOTAL 0010	5,289	4,515	211	10,015	10,015	

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CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF	650.9500.01 CONSTRUCTION STAKING SIDEWALK (8998-00-36) EACH	SPV.0165.01 CURE AND SEAL TREATMENT, CONCRETE SIDEWALK SF	REMARKS
0010	101+00	-	103+17	LT & RT	1,073	1,595	107	1	2,775	
0010	103+17	-	105+61	LT & RT	1,291	1,851	183		3,325	
0010	105+61	-	109+75	LT & RT	2,447	3,101	498		6,046	
0010	109+75	-	111+30	LT & RT	718	1,060	153		1,931	
0010	111+30	-	113+07	LT & RT	862	1266	164		2,292	
0010	113+07	-	116+36	LT & RT	1931	2287	548		4,766	
0010	116+36	-	117+35	LT & RT	439	678	168		1,285	
0010	117+35	-	119+66	LT & RT	1208	1581	233		3,022	
0010	119+66	-	121+54	LT & RT	993	1475	128		2,596	
0010	121+54	-	122+94	LT & RT	623	1059	505		2,187	
0010	122+94	-	125+75	LT & RT	1216	2077	116		3,409	
0010	200+00	-	201+03	LT	75				75	N 27TH STREET
0010	209+12	-	210+00	LT	252				252	N 26TH STREET
0010	230+00	-	230+87	RT	238				238	N 25TH STREET
0010	239+15	-	240+00	LT & RT	401				401	N 24TH STREET
0010	250+00	-	250+82	LT & RT	256				256	N 23RD STREET
0010	248+75	-	250+00	LT & RT	802				802	N 23RD STREET
0010	260+00	-	260+90	LT & RT	490				490	FAXON STREET
0010	268+80	-	270+00	LT & RT	262				262	N 22ND STREET
0010	270+00	-	270+90	RT	245				245	N 22ND STREET
				TOTAL 0010	15,822	18,030	2,803	1	36,655	

CATEGORY	STATION	TO	STATION	LOCATION	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	REMARKS
0010	105+61	-	109+75	LT & RT	120	8	
0010	113+07	-	116+36	LT & RT	120	8	
0010	117+35	-	119+66	LT & RT	20	2	
0010	121+54	-	122+94	LT & RT	60	4	
0010	200+00	-	201+03	LT & RT	36	2	N 27TH STREET
0010	209+12	-	210+00	LT & RT	20	2	N 26TH STREET
0010	230+00	-	230+87	LT & RT	36	2	N 25TH STREET
0010	239+15	-	240+00	LT & RT	20	2	N 24TH STREET
0010	240+00	-	241+06	LT & RT	36	2	N 24TH STREET
0010	250+00	-	250+82	LT & RT	39	2	N 23RD STREET
0010	248+75	-	250+00	LT & RT	20	2	N 23RD STREET
0010	260+00	-	260+90	LT & RT	36	2	FAXON STREET
0010	268+80	-	270+00	LT & RT	20	2	N 22ND STREET
0010	270+00	-	270+90	LT & RT	36	2	N 22ND STREET
				TOTAL 0010	619	42	

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CONCRETE DRIVEWAY 6-INCH

CATEGORY	STATION	TO	STATION	LOCATION	602.0810 CONCRETE DRIVEWAY 6-INCH SY	REMARKS
0010	101+67	-		LT	55	DRIVEWAY
0010	102+20	-		RT	38	DRIVEWAY
0010	104+75	-		RT	45	DRIVEWAY
0010	105+76	-		RT	71	DRIVEWAY
0010	107+26	-		RT	31	DRIVEWAY
0010	108+45	-		RT	47	DRIVEWAY
0010	110+66	-		RT	37	DRIVEWAY
0010	111+98	-		RT	31	DRIVEWAY
0010	115+83	-		RT	53	DRIVEWAY
0010	117+65	-		RT	26	DRIVEWAY
0010	118+10	-		RT	49	DRIVEWAY
0010	124+50	-		LT	34	DRIVEWAY
0010	124+74	-		LT	50	DRIVEWAY
				TOTAL 0010	567	

CONCRETE STEPS

CATEGORY	STATION	TO	STATION	LOCATION	602.1500 CONCRETE STEPS SF	REMARKS
0010	109+14	-		RT	6	
0010	122+07	-		LT	6	
0010	122+61	-		LT	9	
0010	122+97	-		LT	9	
0010	123+23	-		LT	12	
0010	123+60	-		LT	7	
0010	124+28	-		LT	9	
0010	125+23	-		RT	8	
0010		-				
				TOTAL 0010	66	

STORM SEWER PIPES

PIPE NUMBER	FROM	-	TO	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 24-INCH LF	608.0336 36-INCH LF	608.0342 42-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0427 27-INCH LF	608.2434 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH LF	SPV.0090.03 SEWER FIELD QUALITY CONTROL TELEVISING LF	SPV.0060.09 CONNECT TO EXISTING STORM SEWER EACH	* JOINT TIES EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
1	1	-	2	HAMMOND AVE NB									177			177			639.80	639.43	0.0021
1 A	1 A	-	1	HAMMOND AVE NB							14					14			640.40	640.25	0.0107
1 B	1 B	-	1 A	HAMMOND AVE NB							33					33			640.60	640.40	0.0060
1 C	1 C	-	1 B	HAMMOND AVE NB						29						29			641.10	640.90	0.0069
1D	1D	-	1	HAMMOND AVE NB							32					32			640.60	640.40	0.0063
1 E	1 E	-	1 D	HAMMOND AVE NB							59					59			640.90	640.60	0.0051
2	2	-	3	HAMMOND AVE NB											31	31			639.43	639.34	0.0030
3A	3A	-	2	HAMMOND AVE NB						22						22			640.23	639.80	0.0196
4	4	-	2	HAMMOND AVE NB											60	60			639.60	639.43	0.0029
4A	4A	-	4	HAMMOND AVE NB									14			14			640.25	640.00	0.0178
4 B	4 B	-	4 A	HAMMOND AVE NB									27			27			640.50	640.25	0.0091
4 C	4 C	-	4	HAMMOND AVE NB									15			15			639.95	639.75	0.0134
4 D	4 D	-	4 C	HAMMOND AVE NB									25			25			640.05	639.95	0.0040
5	5	-	4	HAMMOND AVE NB											39	39			639.80	639.60	0.0052
5	5		EX.PIPE	HAMMOND AVE NB	1										4	4		3	645.81	TIE TO EXISTING PIPE	
6	6	-	7	HAMMOND AVE NB									123			123			639.50	639.15	0.0028
6 A	6 A	-	6	HAMMOND AVE NB							11					11			639.90	639.75	0.0143
6 B	6 B	-	6 A	HAMMOND AVE NB							10					10			640.00	639.90	0.0100
6 C	6 C	-	6	HAMMOND AVE NB							31					31			639.75	639.50	0.0079
6 D	6 D	-	6 C	HAMMOND AVE NB							10					10			639.90	639.75	0.0150
7	7	-	8	HAMMOND AVE NB									97			97			639.15	638.85	0.0031
7 A	7 A	-	7 C	HAMMOND AVE NB						11						11	1		639.50	639.30	0.0176
7 B	7 B	-	7 A	HAMMOND AVE NB						31						31			639.75	639.50	0.0081
7 D	7 D	-	7	HAMMOND AVE NB						16						16			640.18	639.90	0.0181
7 E	7 E	-	7	HAMMOND AVE NB						36						36			640.18	639.65	0.0145
8	8	-	10	HAMMOND AVE NB			83									83			638.85	638.60	0.0030
8 A	8 A	-	8	HAMMOND AVE NB						16						16			640.65	640.35	0.0194
8 B	8 B	-	8	HAMMOND AVE NB						31						31			640.70	640.20	0.0159
10	10	-	9	HAMMOND AVE NB										29		29			638.60	638.43	0.0058
11	11	-	10	HAMMOND AVE NB										34		34			640.50	640.25	0.0073
11B	11 A	-	11 B	HAMMOND AVE NB							25					25			641.15	640.95	0.0079
11A	11 B	-	11	HAMMOND AVE NB							18					18			640.95	640.50	0.0249
11D	11 C	-	11 D	HAMMOND AVE NB							33					33			641.20	641.00	0.0060
11C	11 D	-	11	HAMMOND AVE NB							51					51			641.00	640.80	0.0039
11E	11		EX.PIPE	HAMMOND AVE NB	1									4		4		3	645.44	TIE TO EXISTING PIPE	
12	12	-	10	HAMMOND AVE NB									147			147			641.00	640.50	0.0034
12 A	12 A	-	12	HAMMOND AVE NB						16						16			642.25	642.00	0.0161
12B	12B	-	12	HAMMOND AVE NB						31						31			642.15	642.00	0.0048
13	13	-	12	HAMMOND AVE NB									150			150			641.50	641.00	0.0033
13 A	13 A	-	13	HAMMOND AVE NB						36						36			642.85	642.65	0.0055
13 B	13 B	-	13	HAMMOND AVE NB						16						16			642.85	642.65	0.0129
15	15	-	14	HAMMOND AVE NB				36								36			640.37	640.30	0.0020
15D	14		EX.PIPE	HAMMOND AVE NB	1			4								4		3	648.05	TIE TO EXISTING PIPE	
15 A	15 A	-	15	HAMMOND AVE NB						20						20			643.55	643.25	0.0151
15 B	15 B	-	15	HAMMOND AVE NB							9					9			643.25	643.00	0.0273

*NON-BID ITEM: FOR INFORMATION ONLY

STORM SEWER PIPES (CONT'D)

					520.8000	608.0318	608.0324	608.0336	608.0342	608.0412	608.0415	608.0418	608.0424	608.0427	608.2434	SPV.0090.03	SPV.0060.09				
						STORM SEWER PIPE REINFORCED CONCRETE CLASS III				STORM SEWER PIPE REINFORCED CONCRETE CLASS IV					STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL						
PIPE NUMBER	FROM	-	TO	LOCATION	CONCRETE COLLARS FOR PIPE EACH	18-INCH LF	24-INCH LF	36-INCH LF	42-INCH LF	12-INCH LF	15-INCH LF	18-INCH LF	24-INCH LF	27-INCH LF	CLASS HE-IV 34X53-INCH LF	SEWER FIELD QUALITY CONTROL TELEVISING LF	CONNECT TO EXISTING STORM SEWER EACH	* JOINT TIES EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
15 C	15 C	-	15 B	HAMMOND AVE NB						36						36			644.00	643.50	0.0138
16	16	-	15	HAMMOND AVE NB					42							42			640.46	640.37	0.0022
16 A	16 A	-	16	HAMMOND AVE NB							33					33			643.50	642.65	0.0257
17	17	-	16	HAMMOND AVE NB					161							161			640.78	640.46	0.0020
17 A	17 A	-	17	HAMMOND AVE NB						15						15			644.70	644.00	0.0452
18	18	-	17	HAMMOND AVE NB				139								139			642.00	641.28	0.0052
18 A	18 A	-	18	HAMMOND AVE NB		17										17			643.75	643.50	0.0149
18 B	18 B	-	18 A	HAMMOND AVE NB						27						27			645.00	644.25	0.0283
18 C	18 C	-	18 B	HAMMOND AVE NB						29						29			645.70	645.00	0.0241
19	19	-	18	HAMMOND AVE NB			66									66			643.50	643.00	0.0076
19 A	19 A	-	19	HAMMOND AVE NB						14						14			645.95	645.50	0.0333
19 B	19 B	-	19	HAMMOND AVE NB						31						31			646.05	645.50	0.0175
20	20	-	19	HAMMOND AVE NB			112									112			643.90	643.50	0.0036
20 A	20 A	-	20	HAMMOND AVE NB						15						15			646.25	645.75	0.0323
20 B	20 B	-	20	HAMMOND AVE NB						37						37			646.75	645.75	0.0274
21	21	-	20	HAMMOND AVE NB			115									115			644.20	643.90	0.0026
21 A	21 A	-	21	HAMMOND AVE NB						15						15			646.60	646.00	0.0387
21 B	21 B	-	21	HAMMOND AVE NB						37						37			647.00	646.00	0.0274
22	22	-	21	HAMMOND AVE NB			118									118			644.50	644.20	0.0025
22 A	22 A	-	22	HAMMOND AVE NB						11						11			647.15	646.50	0.0619
23	23	-	22	HAMMOND AVE NB			192									192			646.00	644.50	0.0078
23 A	23 A	-	23	HAMMOND AVE NB						37						37			647.50	647.00	0.0137
23 B	23 B	-	23	HAMMOND AVE NB						10						10			647.65	647.50	0.0143
23 C	23 C	-	23	HAMMOND AVE NB							42					42			647.16	646.95	0.0050
23 D	23 D	-	23 C	HAMMOND AVE NB						40						40			647.55	647.35	0.0051
23 E	23 E	-	23 D	HAMMOND AVE NB						29						29			647.75	647.55	0.0069
23 F	23 F	-	23 E	HAMMOND AVE NB						35						35			648.00	647.75	0.0071
24	24	-	17	HAMMOND AVE NB					61							61			640.90	640.78	0.0020
24 A	24 A	-	24	HAMMOND AVE NB									6			6			643.50	643.00	0.0864
24 B	24 B	-	24	HAMMOND AVE NB									27			27			643.00	642.25	0.0274
24C	24C	-	24B	HAMMOND AVE NB								36				36			644.50	643.50	0.0281
25 A	25 A	-	25	HAMMOND AVE NB						6						6			646.70	646.50	0.0315
25 B	25 B	-	25 A	HAMMOND AVE NB						28						28			647.15	646.75	0.0145
25 C	25 C	-	25	HAMMOND AVE NB						20						20			646.75	646.50	0.0123
25 D	25 D	-	25 C	HAMMOND AVE NB						28						28			647.00	646.75	0.0091
25E	25		EX.PIPE	HAMMOND AVE NB	1						4					4		3	651.46	TIE TO EXISTING PIPE	
26	26	-	27	HAMMOND AVE NB						18						18			648.28	648.19	0.0050
26 A	26 A	-	26	HAMMOND AVE NB						30						30			648.87	648.28	0.0199
28 A	27	-	EX.PIPE	HAMMOND AVE NB															648.19	EX CONNECTION TO REMAIN	
24 D	24	-	EX.PIPE	HAMMOND AVE NB	1			5								5		3	640.93	TIE TO EXISTING PIPE	
				TOTALS	5	17	686	144	304	859	415	36	808	67	134	3470	1	15			

*NON-BID ITEM: FOR INFORMATION ONLY

STORM SEWER STRUCTURES

				SPV.0060.05	611.0420	611.0624	611.0639	611.2004	611.2005	611.2006	611.2007	611.2008	611.3004	611.3230	628.7005	628.7020	650.4000			
				MANHOLE COVERS TYPE J	RECONSTRUCTING MANHOLES	INLET COVERS TYPE H	INLET COVERS TYPE H-S	MANHOLES 4-FT	MANHOLES 5-FT	MANHOLES 6-FT DIAMETER	MANHOLES 7-FT	MANHOLES 8-FT	INLETS 4-FT DIAMETER	INLETS 2X3-FT	INLET PROTECTION TYPE A	INLET PROTECTION TYPE D	CONSTRUCTION STAKING STORM SEWER	**	***	****
STRUCTURE	STATION	OFFSET*	LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	RIM ELEVATION	INVERT ELEVATION	DEPTH FT
1	123+31.83	6.01' RT	HAMMOND AVE NB	1					1								1	645.46	639.80	4.67
1A	123+31.83	20.07' RT	HAMMOND AVE NB			1								1	1	1	1	644.98	640.40	3.77
1B	123+11.84	46.51' RT	HAMMOND AVE NB				1						1		1	1	1	644.47	640.60	3.06
1C	122+82.84	46.49' RT	HAMMOND AVE NB				1							1	1	1	1	644.57	641.10	2.64
1D	123+31.83	25.50' LT	HAMMOND AVE NB			1								1	1	1	1	645.36	640.60	3.95
1E	123+90.84	30.50' LT	HAMMOND AVE NB			1								1	1	1	1	645.40	640.90	3.69
2	121+55.14	6.00' RT	HAMMOND AVE NB	1								1					1	644.90	639.43	4.64
3	121+55.14	37.09' RT	HAMMOND AVE NB	1	1												1	645.35	639.34	5.19
3 A	121+70.74	21.50' RT	HAMMOND AVE NB			1								1	1	1	1	644.43	640.23	3.36
4	121+55.14	53.64' LT	HAMMOND AVE NB	1								1					1	645.05	639.60	4.63
4 A	121+69.22	53.50' LT	HAMMOND AVE NB			1							1		1	1	1	644.82	640.25	3.82
4 B	121+83.73	30.29' LT	HAMMOND AVE NB			1							1		1	1	1	644.64	640.50	3.39
4 C	121+40.22	53.78' LT	HAMMOND AVE NB			1							1		1	1	1	644.67	639.95	3.97
4 D	121+28.08	31.71' LT	HAMMOND AVE NB			1							1		1	1	1	644.25	640.05	3.45
5	121+64.13	91.38' LT	HAMMOND AVE NB	1								1					1	645.81	639.80	5.19
6	120+49.27	6.00' RT	HAMMOND AVE NB	1					1								1	644.60	639.50	4.11
6 A	120+49.27	16.50' RT	HAMMOND AVE NB			1								1	1	1	1	644.23	639.90	3.51
6 B	120+59.27	16.50' RT	HAMMOND AVE NB			1								1	1	1	1	644.25	640.00	3.44
6 C	120+49.27	25.50' LT	HAMMOND AVE NB			1								1	1	1	1	644.31	639.75	3.74
6 D	120+39.30	26.27' LT	HAMMOND AVE NB			1								1	1	1	1	644.21	639.90	3.50
7	119+25.87	6.00' RT	HAMMOND AVE NB	1						1							1	644.95	639.15	4.81
7 A	119+50.86	47.09' RT	HAMMOND AVE NB			1								1	1	1	1	644.02	639.50	3.69
7 B	119+81.86	47.19' RT	HAMMOND AVE NB			1								1	1	1	1	643.94	639.75	3.35
7 C	119+53.73	36.12' RT	HAMMOND AVE NB	1						1							1	644.29	639.01	4.04
7 D	119+25.87	21.50' RT	HAMMOND AVE NB			1								1	1	1	1	644.43	640.18	3.42
7 E	119+25.87	30.50' LT	HAMMOND AVE NB			1								1	1	1	1	644.43	640.18	3.42
8	118+29.00	6.00' RT	HAMMOND AVE NB	1						1							1	645.32	638.85	5.48
8 A	118+29.00	21.50' RT	HAMMOND AVE NB			1								1	1	1	1	644.80	640.65	3.32
8 B	118+29.00	25.50' LT	HAMMOND AVE NB			1								1	1	1	1	644.95	640.70	3.42
9	117+45.99	35.11' RT	HAMMOND AVE NB	1	1												1	646.00	638.43	6.60
10	117+45.99	6.00' RT	HAMMOND AVE NB	1						1							1	645.81	638.60	6.24
11	117+47.08	28.00' LT	HAMMOND AVE NB	1					1								1	645.44	640.50	3.98
11 A	117+52.37	53.63' LT	HAMMOND AVE NB			1							1		1	1	1	645.40	640.95	3.45
11 B	117+64.76	31.69' LT	HAMMOND AVE NB			1							1		1	1	1	645.14	640.95	3.37
11C	117+17.57	53.93' LT	HAMMOND AVE NB			1							1		1	1	1	645.42	641.20	3.41
11 D	116+96.11	28.62' LT	HAMMOND AVE NB			1							1		1	1	1	645.65	641.00	3.83
12	115+98.72	6.00' RT	HAMMOND AVE NB	1				1									1	646.69	641.00	4.70
12 A	115+98.72	21.50' RT	HAMMOND AVE NB			1								1	1	1	1	646.17	642.25	3.08
12 B	115+98.72	25.50' LT	HAMMOND AVE NB			1								1	1	1	1	646.32	642.15	3.33
13	114+48.72	6.00' RT	HAMMOND AVE NB	1				1									1	647.58	641.50	5.09
13 A	114+48.72	30.50' LT	HAMMOND AVE NB			1								1	1	1	1	647.06	642.85	3.37
13 B	114+48.72	21.50' RT	HAMMOND AVE NB			1								1	1	1	1	647.06	642.85	3.37
14	113+02.64	83.31' RT	HAMMOND AVE NB	1						1							1	648.51	640.30	7.35
15	113+02.64	47.77' RT	HAMMOND AVE NB	1						1							1	648.05	640.37	6.82
15 A	113+22.48	47.77' RT	HAMMOND AVE NB			1								1	1	1	1	647.81	643.55	3.43

REMARKS:
* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
** RIM ELEV IS AT THE INLET COVER FLANGE LOCATION
*** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
**** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

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STORM SEWER STRUCTURES (CONT'D)

				SPV.0060.05	611.0420	611.0624	611.0639	611.2004	611.2005	611.2006	611.2007	611.2008	611.3004	611.3230	628.7005	628.7020	650.4000			
				MANHOLE COVERS TYPE J	RECONSTRUCTING MANHOLES	INLET COVERS		MANHOLES					INLETS		INLET PROTECTION		CONSTRUCTION STAKING	**	***	****
STRUCTURE	STATION	OFFSET*	LOCATION	EACH	EACH	TYPE H EACH	TYPE H-S EACH	4-FT EACH	5-FT EACH	6-FT DIAMETER EACH	7-FT EACH	8-FT EACH	4-FT DIAMETER EACH	2X3-FT EACH	TYPE A EACH	TYPE D EACH	STORM SEWER EACH	RIM ELEVATION	INVERT ELEVATION	DEPTH FT
15 B	112+93.48	47.77' RT	HAMMOND AVE NB			1								1	1	1	1	647.82	643.25	3.76
15 C	112+68.48	21.50' RT	HAMMOND AVE NB			1								1	1	1	1	648.13	644.00	3.29
16	113+02.64	6.00' RT	HAMMOND AVE NB	1							1						1	648.44	640.46	7.12
16 A	113+02.64	27.06' LT	HAMMOND AVE NB			1								1	1	1	1	648.03	643.50	3.71
17	111+42.12	6.00' RT	HAMMOND AVE NB	1						1							1	649.40	640.78	7.75
17 A	111+42.12	21.50' RT	HAMMOND AVE NB			1								1	1	1	1	648.96	644.70	3.42
18	110+03.14	6.00' RT	HAMMOND AVE NB	1					1								1	650.22	642.00	7.31
18 A	110+03.14	22.76' RT	HAMMOND AVE NB			1							1		1	1	1	649.66	643.75	5.12
18 B	109+91.11	46.41' RT	HAMMOND AVE NB			1							1		1	1	1	649.79	645.00	3.95
18 C	109+62.11	46.57' RT	HAMMOND AVE NB				1							1	1	1	1	649.89	645.70	3.36
19	109+37.09	6.00' RT	HAMMOND AVE NB	1				1									1	650.59	643.50	6.10
19 A	109+37.09	19.50' RT	HAMMOND AVE NB			1								1	1	1	1	650.13	645.95	3.35
19 B	109+37.09	25.50' LT	HAMMOND AVE NB			1								1	1	1	1	650.22	646.05	3.34
20	108+25.00	6.00' RT	HAMMOND AVE NB	1				1									1	650.96	643.90	6.07
20 A	108+25.00	21.50' RT	HAMMOND AVE NB			1								1	1	1	1	650.44	646.25	3.36
20 B	108+25.00	30.50' LT	HAMMOND AVE NB			1								1	1	1	1	650.44	646.75	2.86
21	107+10.00	6.00' RT	HAMMOND AVE NB	1				1									1	651.33	644.20	6.14
21 A	107+10.00	21.50' RT	HAMMOND AVE NB			1								1	1	1	1	650.81	646.60	3.38
21B	107+10.00	30.50' LT	HAMMOND AVE NB			1								1	1	1	1	650.81	647.00	2.98
22	105+92.12	6.00' RT	HAMMOND AVE NB	1				1									1	651.71	644.50	6.22
22 A	105+92.12	16.50' RT	HAMMOND AVE NB			1								1	1	1	1	651.34	647.15	3.35
23	104+00.57	6.00' RT	HAMMOND AVE NB	1				1									1	652.32	646.00	5.33
23 A	104+00.57	30.50' LT	HAMMOND AVE NB			1								1	1	1	1	651.80	647.50	3.47
23 B	104+00.57	16.50' RT	HAMMOND AVE NB			1								1	1	1	1	651.95	647.65	3.47
23 C	103+60.37	18.76' RT	HAMMOND AVE NB			1							1				1	651.98	647.16	4.01
23 D	103+31.96	46.25' RT	HAMMOND AVE NB			1								1	1	1	1	652.01	647.55	3.63
23 E	103+02.96	46.39' RT	HAMMOND AVE NB			1								1	1	1	1	652.01	647.75	3.43
23 F	102+77.94	21.50' RT	HAMMOND AVE NB			1								1	1	1	1	652.19	648.00	3.36
24	111+42.12	54.54' LT	HAMMOND AVE NB	1					1								1	649.09	640.90	7.33
24 A	111+47.74	55.94' LT	HAMMOND AVE NB			1								1	1	1	1	648.92	643.50	4.67
24 B	111+14.72	55.06' LT	HAMMOND AVE NB			1							1		1	1	1	648.99	643.00	5.24
24 C	110+89.65	30.50' LT	HAMMOND AVE NB			1							1		1	1	1	649.19	644.19	4.00
25	105+54.67	55.62' LT	HAMMOND AVE NB	1				1									1	651.46	646.50	3.89
25 A	105+48.32	55.63' LT	HAMMOND AVE NB			1							1		1	1	1	651.25	646.70	3.71
25 B	105+33.69	32.29' LT	HAMMOND AVE NB			1								1	1	1	1	651.31	647.15	3.33
25 C	105+75.06	55.60' LT	HAMMOND AVE NB			1							1		1	1	1	651.29	646.75	3.70
25 D	105+89.70	32.29' LT	HAMMOND AVE NB			1								1	1	1	1	651.14	647.00	3.31
26	101+77.65	35.65' LT	HAMMOND AVE NB	1	1												1	653.36	648.28	4.01
26 A	101+49.93	25.08' LT	HAMMOND AVE NB			1							1		1	1	1	652.69	648.70	2.98
27	101+71.56	18.61' LT	HAMMOND AVE NB	1	1												1	652.92	648.02	3.66
			TOTALS	28	4	54	3	8	5	7	1	3	17	40	56	56	85			

REMARKS:

* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

** RIM ELEV IS AT THE INLET COVER FLANGE LOCATION

*** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

**** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

3

PIPE UNDERDRAIN ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY	REMARKS
0010	101+00	-	103+17	LT & RT	23	397	221	
0010	103+17	-	105+61	LT & RT	24	418	233	
0010	105+61	-	109+75	LT & RT	43	755	420	
0010	109+75	-	111+30	LT & RT	14	236	132	
0010	111+30	-	113+07	LT & RT	16	277	154	
0010	113+07	-	116+36	LT & RT	33	584	325	
0010	116+36	-	117+35	LT & RT	8	126	70	
0010	117+35	-	119+66	LT & RT	22	386	215	
0010	119+66	-	121+54	LT & RT	18	312	174	
0010	121+54	-	122+94	LT & RT	12	207	115	
0010	122+94	-	125+75	LT & RT	26	452	252	
0010	200+00	-	201+03	LT & RT	6	97	54	N 27TH STREET
0010	209+12	-	210+00	LT & RT	9	149	83	N 26TH STREET
0010	230+00	-	230+87	LT & RT	6	102	57	N 25TH STREET
0010	239+15	-	240+00	LT & RT	9	145	81	N 24TH STREET
0010	240+00	-	241+06	LT & RT	6	101	57	N 24TH STREET
0010	250+00	-	250+82	LT & RT	6	104	58	N 23RD STREET
0010	248+75	-	250+00	LT & RT	13	221	123	N 23RD STREET
0010	260+00	-	260+90	LT & RT	6	94	53	FAXON STREET
0010	268+80	-	270+00	LT & RT	6	99	55	N 22ND STREET
0010	270+00	-	270+90	LT & RT	8	128	72	N 22ND STREET
				TOTAL 0010	314	5,390	3,004	

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	STATION	TO	STATION	LOCATION	618.0100.01 MAINTENANCE AND REPAIR OF HAUL ROADS (8998-00-36) EACH	REMARKS
0020	101+00	-	125+75	LT & RT	1	
				TOTAL 0010	1	

MOBILIZATION

CATEGORY	STATION	TO	STATION	LOCATION	619.1000 MOBILIZATION EACH	REMARKS
0010	101+00	-	125+75	LT & RT	1	
0010		-				
				TOTAL 0010	1	

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	TO	STATION	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	SPV.0165.02 CURE AND SEAL TREATMENT, CONCRETE MEDIAN SLOPED NOSE SF	REMARKS
0010	101+20	-	101+26	LT	36	36	
0010	111+01	-	111+08	LT	37	37	
0010	111+66	-	111+72	LT	37	37	
0010	119+28	-	119+34	LT	32	32	
0010	119+89	-	119+95	LT	37	37	
0010	125+18	-	125+21	LT	8	8	
				TOTAL 0010	187	187	

3

DUST CONTROL SURFACE TREATMENT

CATEGORY	STATION	TO	STATION	LOCATION	623.0200 DUST CONTROL SURFACE TREATMENT SY	REMARKS
0010	101+00	-	103+17	LT & RT	1,225	
0010	103+17	-	105+61	LT & RT	1,411	
0010	105+61	-	109+75	LT & RT	2,489	
0010	109+75	-	111+30	LT & RT	913	
0010	111+30	-	113+07	LT & RT	1,113	
0010	113+07	-	116+36	LT & RT	1,914	
0010	116+36	-	117+35	LT & RT	545	
0010	117+35	-	119+66	LT & RT	1,413	
0010	119+66	-	121+54	LT & RT	1,076	
0010	121+54	-	122+94	LT & RT	762	
0010	122+94	-	125+75	LT & RT	1,414	
0010	200+00	-	201+03	LT & RT	290	N 27TH STREET
0010	209+12	-	210+00	LT & RT	207	N 26TH STREET
0010	230+00	-	230+87	LT & RT	242	N 25TH STREET
0010	239+15	-	240+00	LT & RT	243	N 24TH STREET
0010	240+00	-	241+06	LT & RT	295	N 24TH STREET
0010	250+00	-	250+82	LT & RT	211	N 23RD STREET
0010	248+75	-	250+00	LT & RT	443	N 23RD STREET
0010	260+00	-	260+90	LT & RT	274	FAXON STREET
0010	268+80	-	270+00	LT & RT	310	N 22ND STREET
0010	270+00	-	270+90	LT & RT	278	N 22ND STREET
				TOTAL 0010	17,070	

TOPSOIL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	627.0200 * SHREDDED BARK MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	SPV.0035.01 PLANTING MIXTURE CY	REMARKS
0010	101+00	-	103+17	LT & RT	540	619	41	0.41	12	15	5	90	INCLUDES MEDIAN
0010	103+17	-	105+61	LT & RT	643	787	23	0.50	14	17	6	114	INCLUDES MEDIAN
0010	105+61	-	109+75	LT & RT	942	1,100	101	0.73	21	25	8	183	INCLUDES MEDIAN
0010	109+75	-	111+30	LT & RT	349	392	34	0.27	8	9	3	59	INCLUDES MEDIAN
0010	111+30	-	113+07	LT & RT	356	408	34	0.27	8	10	3	64	INCLUDES MEDIAN
0010	113+07	-	116+36	LT & RT	744	848	101	0.58	17	20	7	145	INCLUDES MEDIAN
0010	116+36	-	117+35	LT & RT	251	302	11	0.19	5	7	2	46	INCLUDES MEDIAN
0010	117+35	-	119+66	LT & RT	401	484	42	0.32	9	11	4	90	INCLUDES MEDIAN
0010	119+66	-	121+54	LT & RT	484	553	35	0.36	10	13	4	75	INCLUDES MEDIAN
0010	121+54	-	122+94	LT & RT	362	411	41	0.27	8	10	3	61	INCLUDES MEDIAN
0010	122+94	-	125+75	LT & RT	699	786	39	0.52	15	19	6	96	INCLUDES MEDIAN
0010	200+00	-	201+03	LT & RT	65	65		0.04	1	2	0		N 27TH STREET
0010	209+12	-	210+00	LT & RT	83	83		0.05	1	2	1		N 26TH STREET
0010	230+00	-	230+87	LT & RT	66	66		0.04	1	2	0		N 25TH STREET
0010	239+15	-	240+00	LT & RT	84	84		0.05	2	2	1		N 24TH STREET
0010	240+00	-	241+06	LT & RT	66	66		0.04	1	2	0		N 24TH STREET
0010	250+00	-	250+82	LT & RT	47	47		0.03	1	1	0		N 23RD STREET
0010	248+75	-	250+00	LT & RT	144	144		0.09	3	4	1		N 23RD STREET
0010	260+00	-	260+90	LT & RT	113	113		0.07	2	3	1		FAXON STREET
0010	268+80	-	270+00	LT & RT	186	186		0.12	3	5	1		N 22ND STREET
0010	270+00	-	270+90	LT & RT	94	94		0.06	2	3	1		N 22ND STREET
0010	UNDISDRIBUTED			LT & RT	1,010	1,909	126	1.25	37	45	14	102	
				TOTAL 0010	7,725	9,670		6.27	180	226	71	1,125	

*SHREDDED BARK AROUND TREE AREAS

MOBILIZATIONS

CATEGORY	STATION	TO	STATION	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	REMARKS
0010	101+00	-	125+75	LT & RT	4	6	
				TOTAL 0010	4	6	

TRACKING PADS

CATEGORY	STATION	TO	STATION	LOCATION	628.7560 TRACKING PADS EACH	REMARKS
0010	101+00	-	125+75	LT & RT	6	
				TOTAL 0010	6	

SIGNING ITEMS

CATEGORY	SIGN NO	SIGN MESSAGE	SIGN CODE	SIGN SIZE WXH INCHES	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2102 MOVING SIGNS TYPE II EACH
0010	1-1	TURN LANES W/ARROWS						1
0010	1-2	SNOW EMERGENCY						1
0010		HOSPITAL SYMBOL						1
0010		ARROW						1
0010	1-3	ISLAND SYMBOL W/ARROW	R4-7	24 X 30		1	5.00	
0010	1-4	DO NOT ENTER						1
0010		ONE WAY W/ARROW						1
0010	1-5	PEDESTRIAN						1
0010	1-6	SIGNAL AHEAD						1
0010	1-7	SPEED LIMIT 25						1
0010	1-8	ONE WAY W/ARROW	R6-2R	24X30		1	5.00	
0010	1-9	ONE WAY W/ARROW	R6-2R	24X30		1	5.00	
0010	1-10	STOP						1
0010	1-11	HAMMOND AVE						1
0010		N 27TH ST						1
0010	1-12	HAMMOND AVE						1
0010		N 26TH ST						1
0010	1-13	STOP						1
0010	1-14	SPEED LIMIT 25						1
0010	1-15	ONE WAY W/ARROW	R6-2R	24X30		1	5.00	
0010	1-16	ONE WAY W/ARROW	R6-2R	24X30		1	5.00	
0010	1-17	STOP						1
0010	1-18	HAMMOND AVE						1
0010		N 25TH ST						1
0010	2-1	STOP						1
0010	2-2	SNOW EMERGENCY						1
0010	2-3	ONE WAY W/ARROW	R6-2R	24X30		1	5.00	
0010	2-4	ISLAND SYMBOL W/ARROW	R4-7	24 X 30		1	5.00	
0010	2-5	ISLAND SYMBOL W/ARROW	R4-7	24 X 30		1	5.00	
0010	2-6	HAMMOND AVE						1
0010		N 24TH ST						1
0010	2-7	STOP						1
0010	2-8	PEDESTRIAN						1
0010	2-9	HAMMOND AVE						1
0010		N 23RD ST						1
0010	2-10	STOP						1
0010	2-11	ONE WAY W/ARROW	R6-2R	24X30		1	5.00	
0010	2-12	ISLAND SYMBOL W/ARROW	R4-7	24 X 30		1	5.00	
0010	2-13	ISLAND SYMBOL W/ARROW	R4-7	24 X 30		1	5.00	
0010	2-14	HAMMOND AVE						1
0010		N 23RD ST						1
0010		PEDESTRIAN						1
0010	2-15	STOP						1
0010	2-16	ONE WAY W/ARROW	R6-2R	24X30		1	5.00	
0010	2-17	STOP						1
0010	2-18	HAMMOND AVE						1
0010		FAXON ST						1
0010	2-19	NO PEDESTRIAN CROSSING	R9-3A	24X24	1		4.00	
0010		USE CROSSWALK W/ARROW	R9-3BR	18X12			1.50	
0010	2-20	NO PEDESTRIAN CROSSING	R9-3A	24X24	1		4.00	
0010		USE CROSSWALK W/ARROW	R9-3BL	18X12			1.50	

SIGNING ITEMS (CONT'D)

CATEGORY	SIGN NO	SIGN MESSAGE	SIGN CODE	SIGN SIZE WXH INCHES	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2102 MOVING SIGNS TYPE II EACH
0010	2-21	NO PEDESTRIAN CROSSING	R9-3A	24X24	1		4.00	
0010		USE CROSSWALK W/ARROW	R9-3BR	18X12			1.50	
0010	2-22	NO PEDESTRIAN CROSSING	R9-3A	24X24	1		4.00	
0010		USE CROSSWALK W/ARROW	R9-3BL	18X12			1.50	
0010	2-23	NO PEDESTRIAN CROSSING	R9-3A	24X24	1		4.00	
0010		USE CROSSWALK W/ARROW	R9-3BL	18X12			1.50	
0010	3-1	STOP						1
0010	3-2	ONE WAY W/ARROW	R6-2R	24X30		1	5.00	
0010	3-3	ISLAND SYMBOL W/ARROW	R4-7	24 X 30		1	5.00	
0010	3-4	SPEED LIMIT 25						1
0010	3-5	ONE WAY W/ARROW	R6-2R	24X30		1	5.00	
0010	3-6	STOP						1
0010	3-7	HAMMOND AVE						1
0010		N 22ND ST						1
0010	3-8	STOP AHEAD SYMBOL						1
0010	3-9	SNOW EMERGENCY						1
0010	3-10	NO PEDESTRIAN CROSSING	R9-3A	24X24	1		4.00	
0010		USE CROSSWALK W/ARROW	R9-3BR	18X12			1.50	
0010	3-11	NO PEDESTRIAN CROSSING	R9-3A	24X24	1		4.00	
0010		USE CROSSWALK W/ARROW	R9-3BL	18X12			1.50	
				TOTAL 0010	7	15	113.50	42

NOTE: MOVING SIGNS TYPE II INCLUDES MOVING SIGN SUPPORTS
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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RECTANGULAR RAPID FLASHING BEACON ITMES

CATEGORY	STATION	LOCATION	SIGN MESSAGE	SIGN CODE	SIGN SIZE WXH INCHES	* 637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	654.0101 CONCRETE BASES TYPE 1 EACH	657.0100 PEDESTAL BASES EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	SPV.0060.06 RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM EACH
0010	116+02.0	29.0' RT	PEDESTRIAN CROSSING SYMBOL	W11-2	30 X 30		6.3	1	1	1	1	
0010			DOWNWARD ARROW (YELLOW)	W16-7L	24 X 12		2.0					
0010			PUSH BUTTON TO TURN WARNING LIGHTS	R10-25	9 X 12	0.8						
0010	116+10.0	39.0' LT	PUSH BUTTON TO TURN WARNING LIGHTS	R10-25	9 X 12	0.8		1	1	1	1	
0010	116+12.0	28.5' LT	PEDESTRIAN CROSSING SYMBOL	W11-2	30 X 30		6.3	1	1	1		
0010			DOWNWARD ARROW (YELLOW)	W16-7L	24 X 12		2.0					
0010	116+13.0	4.5' LT	PEDESTRIAN CROSSING SYMBOL	W11-2	30 X 30		6.3	1	1	1	1	1
0010			PEDESTRIAN CROSSING SYMBOL	W11-2	30 X 30		6.3					
0010			DOWNWARD ARROW (YELLOW)	W16-7L	24 X 12		2.0					
0010			DOWNWARD ARROW (YELLOW)	W16-7R	24 X 12		2.0					
0010			PUSH BUTTON TO TURN WARNING LIGHTS	R10-25	9 X 12	0.8						
0010												
				TOTAL 0010		2.40	33.20	4	4	4	3	1

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

FIELD OFFICE TYPE B

CATEGORY	STATION	TO	STATION	LOCATION	642.5001 FIELD OFFICE TYPE B EACH
0010	101+00	-	125+75	LT & RT	1
				TOTAL 0010	1

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GEOGRID TYPE SR

CATEGORY	STATION	TO	STATION	LOCATION	645.0220 GEOGRID TYPE SR SY	REMARKS
0010	101+00	-	103+17	LT & RT	1,225	
0010	103+17	-	105+61	LT & RT	1,411	
0010	105+61	-	109+75	LT & RT	2,489	
0010	109+75	-	111+30	LT & RT	913	
0010	111+30	-	113+07	LT & RT	1,113	
0010	113+07	-	116+36	LT & RT	1,914	
0010	116+36	-	117+35	LT & RT	545	
0010	117+35	-	119+66	LT & RT	1,413	
0010	119+66	-	121+54	LT & RT	1,076	
0010	121+54	-	122+94	LT & RT	762	
0010	122+94	-	125+75	LT & RT	1,414	
0010	200+00	-	201+03	LT & RT	290	N 27TH STREET
0010	209+12	-	210+00	LT & RT	207	N 26TH STREET
0010	230+00	-	230+87	LT & RT	242	N 25TH STREET
0010	239+15	-	240+00	LT & RT	243	N 24TH STREET
0010	240+00	-	241+06	LT & RT	295	N 24TH STREET
0010	250+00	-	250+82	LT & RT	211	N 23RD STREET
0010	248+75	-	250+00	LT & RT	443	N 23RD STREET
0010	260+00	-	260+90	LT & RT	274	FAXON STREET
0010	268+80	-	270+00	LT & RT	310	N 22ND STREET
0010	270+00	-	270+90	LT & RT	278	N 22ND STREET
				TOTAL 0010	17,070	

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TRAFFIC CONTROL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.5000 TRAFFIC CONTROL EACH	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FILED SF	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	REMARKS
0010	101+00	-	125+75	LT & RT		13,312	8,320	33,696	1			
0010	109+50			LT & RT	2080			1,248		20	16	N 25TH STREET E
0010	116+07			LT & RT	2080			1,248		20	16	N 23RD STREET E
				TOTAL 0010	4,160	13,312	8,320	36,192	1	40	32	

MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.2020 MARKING LINE EPOXY 6-INCH LF	646.4020 MARKING LINE EPOXY 10-INCH LF	646.7020 MARKING DIAGONAL EPOXY 6-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	REMARKS
0010	101+00	-	103+17	LT & RT	586	52		18			1	
0010	103+17	-	105+61	LT & RT	223							
0010	105+61	-	109+75	LT & RT	606				141			
0010	109+75	-	111+30	LT & RT	151						1	
0010	111+30	-	113+07	LT & RT	280						1	
0010	113+07	-	116+36	LT & RT	489				145			
0010	116+36	-	117+35	LT & RT	67							
0010	117+35	-	119+66	LT & RT	330		37			104	1	
0010	119+66	-	121+54	LT & RT	188						1	
0010	121+54	-	122+94	LT & RT	102				65			
0010	122+94	-	125+75	LT & RT	555	42		14			1	
0010	200+00	-	201+03	LT & RT	122				60			N 27TH STREET
0010	209+12	-	210+00	LT & RT	82				61			N 26TH STREET
0010	230+00	-	230+87	LT & RT	90				58			N 25TH STREET
0010	239+15	-	240+00	LT & RT	78				73			N 24TH STREET
0010	240+00	-	241+06	LT & RT	132				65			N 24TH STREET
0010	250+00	-	250+82	LT & RT	86				53			N 23RD STREET
0010	248+75	-	250+00	LT & RT	158				73			N 23RD STREET
0010	260+00	-	260+90	LT & RT	96				66			FAXON STREET
0010	268+80	-	270+00	LT & RT	148				61			N 22ND STREET
0010	270+00	-	270+90	LT & RT	96				57			N 22ND STREET
				TOTAL 0010	4,665	94	37	32	978	104	6	

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CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	REMARKS
0010	101+00	-	103+17	LT & RT	217	217	217	
0010	103+17	-	105+61	LT & RT	244	244	244	
0010	105+61	-	109+75	LT & RT	414	414	414	
0010	109+75	-	111+30	LT & RT	155	155	155	
0010	111+30	-	113+07	LT & RT	177	177	177	
0010	113+07	-	116+36	LT & RT	329	329	329	
0010	116+36	-	117+35	LT & RT	99	99	99	
0010	117+35	-	119+66	LT & RT	231	231	231	
0010	119+66	-	121+54	LT & RT	188	188	188	
0010	121+54	-	122+94	LT & RT	140	140	140	
0010	122+94	-	125+75	LT & RT	281	281	281	
0010	200+00	-	201+03	LT & RT	103	103	103	N 27TH STREET
0010	209+12	-	210+00	LT & RT	88	88	88	N 26TH STREET
0010	230+00	-	230+87	LT & RT	87	87	87	N 25TH STREET
0010	239+15	-	240+00	LT & RT	85	85	85	N 24TH STREET
0010	240+00	-	241+06	LT & RT	106	106	106	N 24TH STREET
0010	250+00	-	250+82	LT & RT	82	82	82	N 23RD STREET
0010	248+75	-	250+00	LT & RT	125	125	125	N 23RD STREET
0010	260+00	-	260+90	LT & RT	90	90	90	FAXON STREET
0010	268+80	-	270+00	LT & RT	120	120	120	N 22ND STREET
0010	270+00	-	270+90	LT & RT	90	90	90	N 22ND STREET
				TOTAL 0010	3,451	3,451	3,451	

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	STATION	TO	STATION	LOCATION	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (8998-00-36) EACH	REMARKS
0010	101+00	-	125+75	LT & RT	1	
				TOTAL 0010	1	

SAWING

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	101+00	-	103+17	LT & RT	40	30	
0010	103+17	-	105+61	LT & RT		15	
0010	105+61	-	109+75	LT & RT		40	
0010	109+75	-	111+30	LT & RT		3	
0010	111+30	-	113+07	LT & RT		9	
0010	113+07	-	116+36	LT & RT		32	
0010	116+36	-	117+35	LT & RT		7	
0010	117+35	-	119+66	LT & RT		17	
0010	119+66	-	121+54	LT & RT		23	
0010	121+54	-	122+94	LT & RT		9	
0010	122+94	-	125+75	LT & RT	48	25	
0010	201+03	-		LT & RT	21	3	N 27TH STREET
0010	209+12	-		LT & RT		26	N 26TH STREET
0010	230+87	-		LT & RT	20	5	N 25TH STREET
0010	239+15	-		LT & RT	30	10	N 24TH STREET
0010	241+06	-		LT & RT	21		N 24TH STREET
0010	250+82	-		LT & RT	21	8	N 23RD STREET
0010	248+75	-		LT & RT	32	10	N 23RD STREET
0010	260+90	-		LT & RT	32	10	FAXON STREET
0010	268+80	-		LT & RT		32	N 22ND STREET
0010	270+90	-		LT & RT		26	N 22ND STREET
0010	101+67	-		LT		11	DRIVEWAY
0010	102+20	-		RT		14	DRIVEWAY
0010	104+75	-		RT		11	DRIVEWAY
0010	105+76	-		RT		20	DRIVEWAY
0010	107+26	-		RT		10	DRIVEWAY
0010	108+45	-		RT		16	DRIVEWAY
0010	110+66	-		RT		8	DRIVEWAY
0010	111+98	-		RT		10	DRIVEWAY
0010	115+83	-		RT		19	DRIVEWAY
0010	117+65	-		RT		10	DRIVEWAY
0010	118+10	-		RT		20	DRIVEWAY
0010	124+50	-		LT		15	DRIVEWAY
0010	124+74	-		LT	25		DRIVEWAY
				TOTAL 0010	290	504	

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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	MISCELLANEOUS QUANTITIES	SHEET 130	E

3

UTILITY LINE OPENING

CATEGORY	STATION	LOCATION	SPV.0060.01 UTILITY LINE OPENING EACH
0020	102+95	RT	1
0020	103+40	LR	1
0020	105+40	LT	1
0020	105+80	LT	1
0020	109+95	RT	1
0020	111+00	LT	1
0020	112+80	RT	1
0020	117+00	LT	1
0020	117+60	LT	1
0020	119+30	LT	1
0020	121+35	LT	1
0020	121+55	RT	1
0020	121+75	LT	1
0020	123+20	RT	1
0020	UNDISTRIBUTED		1
		TOTAL 0010	15

VERIFY WITH THE ENGINEER LOCATIONS REQUIRED.
VERIFY GAS AND FIBER AT NEW SS LOCATION

TREE PLANTING, PRESERVATION AND PROTECTION

CATEGORY	STATION	LOCATION		SPV.0060.02 TREE PLANTING, PRESERVATION AND PROTECTION EACH	REMARKS
0020	101+18	33.3' LT	Hammond Ave NB	1	30"
0020	101+38	37.5' LT	Hammond Ave NB	1	30"
0020	101+88	35.4' LT	Hammond Ave NB	1	12"
0020	101+97	26.9' RT	Hammond Ave NB	1	9"
0020	102+19	32.3' LT	Hammond Ave NB	1	32"
0020	102+57	32.0' LT	Hammond Ave NB	1	5"
0020	102+92	32.3' LT	Hammond Ave NB	1	5"
0020	104+17	25.4' RT	Hammond Ave NB	1	48"
0020	104+44	25.8' RT	Hammond Ave NB	1	24"
0020	104+62	26.1' RT	Hammond Ave NB	1	27"
0020	104+95	36.8' LT	Hammond Ave NB	1	2"
0020	105+05	25.1' RT	Hammond Ave NB	1	2"
0020	105+54	25.6' RT	Hammond Ave NB	1	3"
0020	106+15	26.9' RT	Hammond Ave NB	1	12"
0020	108+99	25.1' RT	Hammond Ave NB	1	24"
0020	109+14	32.1' LT	Hammond Ave NB	1	4"
0020	109+84	33.7' LT	Hammond Ave NB	1	36"
0020	110+81	26.1' RT	Hammond Ave NB	1	27"
0020	111+37	26.8' RT	Hammond Ave NB	1	3"
0020	112+21	25.1 RT	Hammond Ave NB	1	2"
0020	113+13	33.1' LT	Hammond Ave NB	1	22"
0020	113+62	33.5' LT	Hammond Ave NB	1	54"
0020	114+11	25.7' RT	Hammond Ave NB	1	2"
0020	114+60	24.9' RT	Hammond Ave NB	1	36"
0020	114+88	33.3' LT	Hammond Ave NB	1	42"
0020	115+62	34.2' LT	Hammond Ave NB	1	36"
0020	115+83	35.4' LT	Hammond Ave NB	1	30"
0020	116+68	32.0' LT	Hammond Ave NB	1	24"
0020	116+86	26.5' RT	Hammond Ave NB	1	27"
0020	117+08	27.0' RT	Hammond Ave NB	1	18"
0020	117+56	59.6' LT	Hammond Ave NB	1	18"
0020	117+85	32.3' LT	Hammond Ave NB	1	23"
0020	118+26	30.9' LT	Hammond Ave NB	1	30"
0020	120+51	32.5' LT	Hammond Ave NB	1	7"
0020	120+61	24.7' RT	Hammond Ave NB	1	21"
0020	120+79	31.6' LT	Hammond Ave NB	1	26"
0020	121+09	33.8' LT	Hammond Ave NB	1	2"
0020	121+12	25.0' RT	Hammond Ave NB	1	42"
0020	122+11	24.3' RT	Hammond Ave NB	1	24"
0020	122+31	32.7' LT	Hammond Ave NB	1	8"
0020	122+50	24.8' RT	Hammond Ave NB	1	28"
0020	123+08	34.3' LT	Hammond Ave NB	1	24"
0020	123+56	34.2' LT	Hammond Ave NB	1	22"
0020	123+91	27.3' RT	Hammond Ave NB	1	24"
0020	124+40	26.8' RT	Hammond Ave NB	1	18"
0020	124+97	26.0' RT	Hammond Ave NB	1	12"
0020	125+07	31.4' LT	Hammond Ave NB	1	18"
0020	125+32	27.3' RT	Hammond Ave NB	1	9"
0020	125+66	24.9' RT	Hammond Ave NB	1	24"
		UNDISTRIBUTED		5	
			TOTAL 0010	54	

ADDITIONAL PLANTING QUANTITIES SHOWN ON LAST LANDSCAPING PLAN/DETAIL SHEET

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LOCATE AND REPLACE EXISTING CENTERLINE MONUMENTS

CATEGORY	STATION	LOCATION	COORDINATES NORTHING	COORDINATES EASTING	SPV.0060.03 EACH
0010	117+35.16'NB	3.57 LT	301889.758	148512.787	1
0010	126+25.42'NB	3.41 LT	302779.993	148519.124	1
0010	111+31.59'NB	3.48 LT	301286.202	148508.684	1
				TOTAL 0010	3

LOCATE AND RESET PROPERTY CORNERS

CATEGORY	STATION	LOCATION	COORDINATES NORTHING	COORDINATES EASTING	SPV.0060.04 EACH
0010	123+90.20'NB'	53.49 LT	302545.130	148467.417	1
0010	123+40.12'NB'	53.39 LT	302495.047	148467.165	1
0010	123+15.28'NB'	53.43 LT	302470.205	148466.956	1
0010	122+40.42'NB'	53.26 LT	302395.349	148466.601	1
0010	121+20.32'NB'	53.34 LT	302275.251	148465.689	1
0010	119+94.92'NB'	53.44 LT	302149.859	148464.714	1
0010	118+20.20'NB'	53.81 LT	301975.149	148463.133	1
0010	116+70.98'NB'	46.36 RT	301825.228	148562.271	1
0010	117+26.69'NB'	46.28 RT	301880.944	148562.581	1
0010	120+51.61'NB'	46.46 RT	302205.848	148565.011	1
0010	121+01.73'NB'	46.44 RT	302255.972	148565.335	1
0010	122+00.50'NB'	47.84 RT	302354.730	148567.422	1
0010	122+60.55'NB'	47.65 RT	302414.775	148567.649	1
0010	124+19.10'NB'	46.88 RT	302573.330	148567.979	1
0010	124+69.01'NB'	46.19 RT	302623.243	148567.641	1
0010	125+36.77'NB'	46.33 RT	302691.001	148568.245	1
0010	125+91.81'NB'	46.38 RT	302746.036	148568.685	1
0010	117+00.43'NB'	53.54 LT	301855.372	148462.570	1
0010	116+44.11'NB'	53.62 LT	301799.060	148462.100	1
0010	116+00.08'NB'	53.63 LT	301755.029	148461.789	1
0010	115+00.15'NB'	53.29 LT	301655.103	148461.433	1
0010	113+74.90'NB'	53.34 LT	301529.850	148460.511	1
0010	113+14.01'NB'	53.26 LT	301468.961	148460.175	1
0010	112+11.64'NB'	46.46 RT	301365.899	148559.179	1
0010	112+71.79'NB'	46.23 RT	301426.054	148559.362	1
0010	115+46.68'NB'	46.37 RT	301700.937	148561.414	1
0010	107+09.32'NB'	53.04 RT	300864.281	148456.196	1
0010	108+86.34'NB'	46.58 RT	301040.612	148557.035	1
0010	109+41.71'NB'	46.36 RT	301095.980	148557.201	1
0010	104+01.53'NB'	53.15 LT	300556.505	148453.946	1
0010	103+51.58'NB'	53.16 LT	300506.555	148453.591	1
0010	102+39.48'NB'	53.04 LT	300394.456	148452.929	1
0010	101+76.53'NB'	53.03 LT	300331.505	148452.507	1
0010	101+56.85'NB'	53.35 LT	300311.834	148452.043	1
0010	100+38.31'NB'	56.15 LT	300193.309	148448.423	1
0010	100+42.87'NB'	47.84 RT	300197.152	148552.441	1
0010	101+57.76'NB'	45.73 RT	300312.0510	148551.128	1
0010	102+07.72'NB'	46.55 RT	300362.006	148552.300	1
				TOTAL 0010	38

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CONDUIT ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0090.04 CONDUIT HDPE 1-INCH LF	SPV.0090.05 CONDUIT HDPE 2-INCH LF	655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF	SPV.0060.08 VAULT 24-INCH x 36-INCH EACH	SPV.0060.07 DROP VAULT 12-INCH x 12-INCH EACH
0020	101+00	-	103+17	LT & RT	400	137	456	1	5
0020	103+17	-	105+61	LT & RT	382	240	417	1	4
0020	105+61	-	109+75	LT & RT	782	498	803	1	9
0020	109+75	-	111+30	LT & RT	342	150	361	1	3
0020	111+30	-	113+07	LT & RT	296	228	317	1	3
0020	113+07	-	116+36	LT & RT	313	618	618		7
0020	116+36	-	117+35	LT & RT	177	177	177		2
0020	117+35	-	119+66	LT & RT	455	434	455	1	5
0020	119+66	-	121+54	LT & RT	266	187	297		4
0020	121+54	-	122+94	LT & RT	138	139	251		3
0020	122+94	-	125+75	LT & RT	499	137	498	2	5
		-							
				TOTAL 0020	4,050	2,945	4,650	8	50

3

STATEMENT OF ESTIMATED QUANTITIES				
NOTE	ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
3	612.0902.S	POLYSTYRENE INSULATION, 4-INCH	SY	100
	SPV.0060.20	REMOVE WATER VALVE AND BOX	EACH	16
	SPV.0060.21	REMOVE CURB STOP AND BOX	EACH	75
	SPV.0060.22	REMOVE HYDRANT	EACH	9
	SPV.0060.23	GATE VALVE AND BOX, 8-INCH	EACH	15
1,5	SPV.0060.24	HYDRANT ASSEMBLY	EACH	8
	SPV.0060.25	CONNECT TO EXISTING WATER MAIN	EACH	7
	SPV.0060.26	CONNECT TO EXISTING WATER SERVICE	EACH	73
	SPV.0060.27	TAPPING TEE WITH ELECTROFUSION SADDLE, 1-INCH	EACH	73
6	SPV.0060.28	HYDRANT	EACH	1
	SPV.0060.29	CURB STOP AND BOX, 1-INCH	EACH	73
4	SPV.0060.30	TEMPORARY WATER SERVICE	EACH	1
	SPV.0090.20	REMOVE OR ABANDON WATER MAIN	LF	2954
2	SPV.0090.21	REMOVE STEEL GAS MAIN	LF	2763
1	SPV.0090.22	WATER MAIN AND FITTINGS, 8-INCH HDPE DR-11	LF	3212
1	SPV.0090.23	WATER SERVICE, 1-INCH HDPE	LF	3519

NOTES:	
1	TRACER WIRE & BOX INCIDENTAL.
2	REMOVAL OF ALL GAS PIPING LESS THAN 6" INCIDENTAL. CUTTING OF EXISTING SERVICE LINES INCIDENTAL.
3	UNDISTRIBUTED QUANTITY. USE AS DIRECTED BY ENGINEER IN THE FIELD.
4	CONTRACTOR TO SUBMIT TEMPORARY WATER PLAN TO OWNER FOR REVIEW.
5	INCLUDES HYDRANT, 6" LEAD, 6" VALVE, AND OTHER ASSOCIATED ITEMS.
6	INCLUDES HYDRANT ONLY (NO 6" LEAD OR VALVE.) CONNECTION TO TEXISTING HYDRANT LEAD INCIDENTAL.

NOTES:

EXACT ALIGNMENT OF ALL WATER SERVICES TO BE COORDINATED BY CONTRACTOR WITH EXISTING AND PROPOSED UTILITIES AS WELL AS EXISTING AND PROPOSED LANDSCAPING FEATURES.

MINIMUM 18" CLEAR REQUIRED AT ALL STORM AND SANITARY CROSSINGS. PIPE INVERTS SHOWN ARE AT REFERENCE LINE OF ROADWAY AND DO NOT ACCOUNT FOR PIPE THICKNESS.

CONTRACTOR TO VERIFY ALL ANTICIPATED SERVICES CONNECTIONS SHOWN IN PLAN.

REMOVAL OR ABANDONMENT OF ALL PIPES 2-INCH AND SMALLER IS INCIDENTAL.

BENDS SHOWN, PREFERABLE TO DEFLECT HDPE PIPE AT BEND LOCATIONS IF FEASIBLE. NO PAYMENT SHALL BE MADE FOR METHOD SELECTED.

SWLP TO OPERATE VALVES AND CONDUCT WET TAPS.

A - WATER MAIN						
		SPV.0060.20	SPV.0060.23	SPV.0060.25	SPV.0090.20	SPV.0090.22
STATION TO STATION	LOCATION	REMOVE WATER VALVE AND BOX	GATE VALVE AND BOX, 8-INCH	CONNECT TO EXISTING WATER MAIN	REMOVE OR ABANDON WATER MAIN	WATER MAIN AND FITTINGS, 8-INCH HDPE DR-11
		EACH	EACH	EACH	LF	LF
10+83 - 10+87	CL			1	4	4
10+87 - 11+16	CL		1		20	29
11+16 - 13+02	CL				186	186
13+02	69.9' RT		1			70
13+02 - 15+39	CL				237	237
15+39	CL		1			
15+39 - 15+45	CL				6	6
15+45	CL - 56.6' LT					57
15+45	56.6' - 61.8' LT		1			5
15+45 - 19+61	CL				416	416
16+21	16.2' LT - 41.2' RT	1			57	
19+61	CL - 61.9' RT		1			62
19+61	61.9' - 67.2' RT				5	5
19+61 - 19+67	67.2' - 73.3' RT	1			11	9
19+67	73.3' - 78.3' RT				5	5
19+67	61.9' RT	1				
19+69	68.1' RT	1				
19+61 - 21+10	CL		1		149	149
21+10	CL - 49.9' LT	1				50
21+10	49.9' - 54.6' LT	1	1		23	5
21+10 - 22+92	CL	1			182	182
22+92	CL - 47.0' RT		1			47
22+92	47.0' - 69.5' RT					23
22+92	69.5' - 77.5' RT					8
22+92 - 23+02	77.5' - 87.3' RT					14
22+92 - 23+02	CL					10
23+02	87.3' - 92.2' RT			1		5
23+02	61.4' - 92.2' RT	2			46	
23+02 - 26+26	CL				324	324
26+26	12.0' LT - 56.9' RT	1			69	57
26+26	56.9' - 62.1' RT		1		5	5
26+26	62.1' - 69.1' RT			1	7	7
26+26 - 27+08	CL		1		82	82
27+08	CL - 57.0' LT		1			57
27+08 - 29+45	CL				237	237
29+39	62.4' RT	1				
29+39 - 29+45	75.4' - 80.7' RT					8
29+39	80.7' - 83.7' RT			1		3
29+39	62.4' - 83.7' RT	1			33	
29+45	CL - 62.4' RT		1			62
29+45	62.4 - 75.4' RT					13
29+45 - 29+57	CL				12	12
29+57	11.3' LT - 83.8' RT	1			95	
29+57 - 29+72	CL		1		15	15
29+72 - 31+28	CL				156	156
31+28	CL - 51.7' LT		1			52
31+28	51.7' - 61.3' LT					10
31+28	61.3' - 75.9' LT					15
31+28 - 31+35	75.9' - 83.4' LT					11
31+35	83.4' - 88.4' LT			1		5
31+35	51.7' - 88.4' LT	2			55	
31+35 - 32+82	CL				147	147
32+82	CL - 69.4' RT					69
32+82	69.4' - 74.5' RT					5
32+82 - 32+87	74.5' - 79.7' RT					7
32+87	79.7' - 84.8' RT		1			5
32+87	84.8' - 90.0' RT			1		5
32+87	10.7' LT - 90.0' RT	1			111	
32+87 - 35+46	CL			1	259	259
PROJECT ITEM TOTALS		**16**	**15**	**7**	**2954**	**3212**

B - HYDRANTS				
		SPV.0060.22	SPV.0060.24	SPV.0060.28
STATION	LOCATION	REMOVE HYDRANT	HYDRANT ASSEMBLY	HYDRANT
		EACH	EACH	EACH
13+18	64.8' RT		1	
15+06	25.0' LT	1		
15+23	56.6' LT		1	
19+72	70.5' RT	1		
20+76	23.7' LT	1		
20+91	59.3' LT	1		
23+07	69.5' RT	1	1	
26+35	56.9' RT		1	
26+81	22.5' LT	1		
26+94	50.6' LT		1	
29+68	69.2' RT		1	
29+27	65.5' RT	1		
31+03	21.2' LT	1		
31+17	61.3' LT	1	1	
33+00	69.4' RT		1	
PROJECT ITEM TOTALS		**9**	**8**	**1**

C - WATER SERVICES

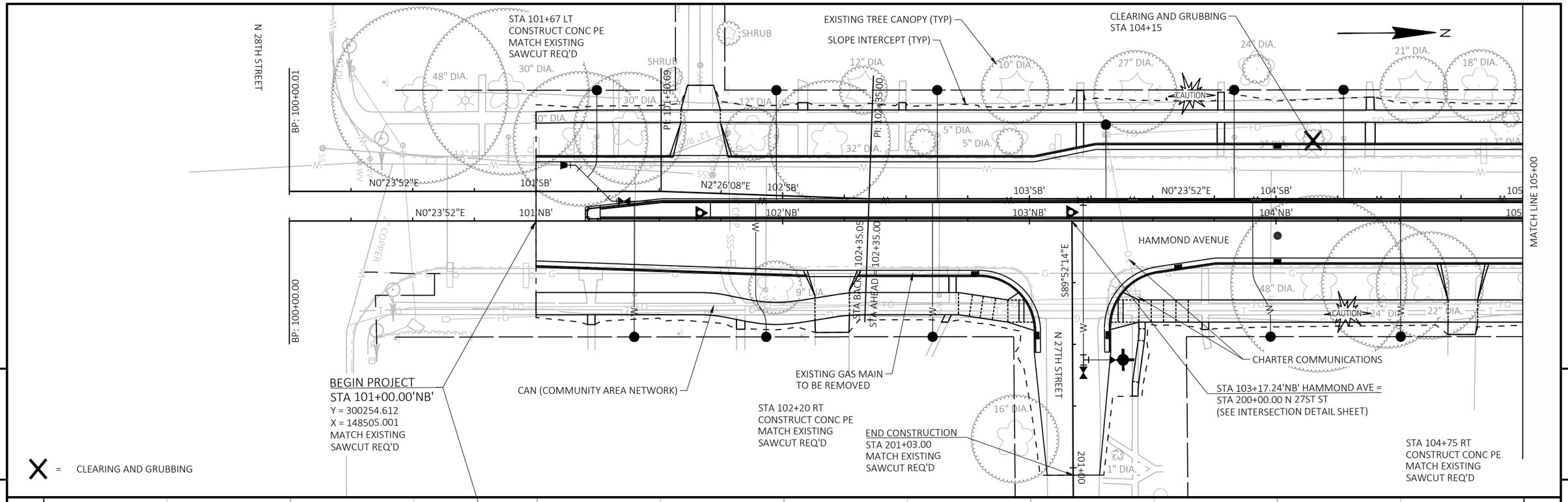
STATION	LOCATION	CONNECTION TYPE	LOWER SERVICE UNDER PROPOSED STORM	SPV.0060.21 REMOVE CURB STOP AND BOX EACH	SPV.0060.26 CONNECT TO EXISTING WATER SERVICE EACH	SPV.0060.27 TAPPING TEE WITH ELECTROFUSION SADDLE, 1-INCH EACH	SPV.0060.29 CURB STOP AND BOX, 1-INCH EACH	SPV.0090.23 WATER SERVICE, 1-INCH HDPE LF
10+90.05	31.6' LT	B	NO	1	1	1	1	37
11+19.70	55.0' RT	A	NO	1	1	1	1	55
11+73.22	55.1' RT	A	NO	1	1	1	1	56
11+77.46	44.9' LT	A	NO	1	1	1	1	45
12+40.67	55.3' RT	A	NO	1	1	1	1	55
12+42.76	44.7' LT	A	NO	1	1	1	1	45
13+11.09	30.5' LT	A	NO	1	1	1	1	31
13+63.11	44.5' LT	A	NO	1	1	1	1	45
13+77.67	55.5' RT	A	NO	1	1	1	1	57
14+07.45	44.5' LT	A	NO	1	1	1	1	45
14+30.43	55.6' RT	B	YES	1	1	1	1	56
14+97.23	44.3' LT	A	NO	1	1	1	1	44
15+15.97	55.7' RT	A	YES	1	1	1	1	56
16+22.47	44.1' LT	A	NO	1	1	1	1	45
16+81.59	44.0' LT	A	NO	1	1	1	1	44
16+97.02	56.1' RT	A	YES	1	1	1	1	57
17+18.96	29.6' LT	A	NO	1	1	1	1	30
17+68.63	43.8' LT	A	NO	1	1	1	1	44
17+97.84	43.8' LT	A	NO	1	1	1	1	46
18+09.64	56.3' RT	A	YES	1	1	1	1	58
18+41.27	43.7' LT	A	NO	1	1	1	1	44
18+87.53	51.8' RT	B	YES	1	1	1	1	54
19+14.69	36.2' LT	A	NO	1	1	1	1	38
19+69.14	68.1' RT	N/A	N/A	1				
14+45.25	43.5' LT	A	NO	1	1	1	1	45
20+01.16	56.6' RT	A	YES	1	1	1	1	57
20+01.62	43.4' LT	A	NO	1	1	1	1	43
20+64.93	56.7' RT	B	YES	1	1	1	1	59
20+71.17	43.3' LT	A	NO	1	1	1	1	47
21+63.39	56.9' RT	A	YES	1	1	1	1	57
22+22.38	43.0' LT	A	NO	1	1	1	1	43
22+36.31	27.1' RT	A	YES	1	1	1	1	57
22+67.24	42.9' LT	A	NO	1	1	1	1	43
23+07.62	45.4' RT	N/A	N/A	1				
23+39.37	42.7' LT	B	NO	1	1	1	1	46
23+63.65	57.3' RT	A	NO	1	1	1	1	58
23+86.57	42.6' LT	A	NO	1	1	1	1	43
24+44.72	57.5' RT	B	NO	1	1	1	1	61
24+62.81	42.5' LT	B	NO	1	1	1	1	46
25+18.10	40.2' RT	A	NO	1	1	1	1	40
25+19.61	42.4' LT	A	NO	1	1	1	1	44
25+52.19	57.7' RT	A	NO	1	1	1	1	58
25+59.63	42.3' LT	B	NO	1	1	1	1	44
25+96.95	27.6' LT	A	NO	1	1	1	1	28
26+59.65	57.9' RT	B	NO	1	1	1	1	61
26+68.07	42.0' LT	B	NO	1	1	1	1	44
27+72.07	42.0' LT	B	NO	1	1	1	1	44
27+23.07	58.1' RT	A	YES	1	1	1	1	60
27+71.98	39.7' RT	A	YES	1	1	1	1	40
SHEET SUBTOTAL				**49**	**47**	**47**	**47**	**2255**

C - WATER SERVICES (CONTINUED)

STATION	LOCATION	CONNECTION TYPE	LOWER SERVICE UNDER PROPOSED STORM	SPV.0060.21 REMOVE CURB STOP AND BOX	SPV.0060.26 CONNECT TO EXISTING WATER SERVICE	SPV.0060.27 TAPPING TEE WITH ELECTROFUSION SADDLE, 1-INCH	SPV.0060.29 CURB STOP AND BOX, 1-INCH	SPV.0090.23 WATER SERVICE, 1-INCH HDPE
				EACH	EACH	EACH	EACH	LF
27+78.01	41.8' LT	B	NO	1	1	1	1	42
28+21.65	41.7' LT	B	NO	1	1	1	1	43
28+47.89	58.4' RT	A	NO	1	1	1	1	58
28+90.33	41.5' LT	A	NO	1	1	1	1	42
29+03.64	52.6' RT	A	NO	1	1	1	1	55
29+40.68	33.9' LT	A	NO	1	1	1	1	34
29+63.11	41.3' LT	A	NO	1	1	1	1	41
29+84.92	41.3' LT	A	NO	1	1	1	1	41
30+17.59	41.2' LT	A	NO	1	1	1	1	44
30+24.55	58.8' RT	A	NO	1	1	1	1	62
30+38.21	58.8' RT	B	NO	1	1	1	1	63
30+90.87	41.0' LT	A	NO	1	1	1	1	43
31+38.34	54.6' RT	A	NO	1	1	1	1	55
31+49.51	54.6' RT	A	NO	1	1	1	1	58
31+65.03	59.1' RT	A	NO	1	1	1	1	59
31+95.34	40.8' LT	A	NO	1	1	1	1	41
32+57.31	40.6' LT	A	NO	1	1	1	1	41
32+91.83	40.6' LT	B	NO	1	1	1	1	41
32+99.88	40.5' LT	B	NO	1	1	1	1	41
33+26.33	59.5' RT	A	NO	1	1	1	1	60
33+46.95	40.4' LT	B	NO	1	1	1	1	40
33+84.06	59.7' RT	B	NO	1	1	1	1	60
33+92.92	40.3' LT	A	NO	1	1	1	1	40
34+17.28	59.7' RT	B	NO	1	1	1	1	60
34+96.27	59.9' RT	A	NO	1	1	1	1	60
35+39.16	40.0' LT	A	NO	1	1	1	1	40
SHEET SUBTOTAL				**26**	**26**	**26**	**26**	**1264**
PROJECT ITEM TOTALS				**75**	**73**	**73**	**73**	**3519**

D - FITTINGS

STATION	LOCATION	TYPE
10+83.13	CL	12"X8" REDUCER
10+90.05	CL	8" 45° BEND
11+10.67	CL	8" 45° BEND
13+01.79	CL	8"X8" TEE
13+01.79	64.8' RT	8"X6" TEE
15+45.19	CL	8"X8" TEE
15+45.19	56.6' LT	8"X6" TEE
19+61.01	CL	8"X8" TEE
19+61.01	67.2' RT	8" 45° BEND
19+67.12	78.3' RT	8" 45° BEND
21+09.85	CL	8"X8" TEE
22+92.31	CL	8"X8" TEE
22+92.44	69.5' RT	8"X6" TEE
22+92.45	77.5' RT	8" 45° BEND
23+02.25	87.3' RT	8" 45° BEND
26+26.27	CL	8"X8" TEE
26+26.24	56.9' RT	8"X6" TEE
26+26.28	69.1' RT	8"X6" REDUCER
27+07.70	CL	8"X8" TEE
27+07.70	50.6' LT	8"X6" TEE
29+39.30	80.7' RT	8" 45° BEND
29+44.65	CL	8"X8" TEE
29+44.65	69.2' RT	8"X6" TEE
29+44.65	75.4' RT	8" 45° BEND
31+27.67	CL	8"X8" TEE
31+27.80	61.3' LT	8"X6" TEE
31+27.83	75.9' LT	8" 45° BEND
31+35.35	83.4' LT	8" 45° BEND
32+81.75	CL	8"X8" TEE
32+81.74	69.4' RT	8"X6" TEE
32+81.74	74.5' RT	8" 45° BEND
32+86.93	79.7' RT	8" 45° BEND
32+87	90.0' RT	8"X6" REDUCER



PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	PLAN AND PROFILE: HAMMOND AVENUE	SHEET 138	E

BENCH MARKS			
BM	STATION	ELEV.	DESCRIPTION
1	105+25.89'NB', 33.9' LT	654.62	HYDRANT

BEGIN CONSTRUCTION
STA 209+12.97
MATCH EXISTING
SAWCUT REQ'D

CHARTER COMMUNICATIONS

SLOPE INTERCEPT (TYP)

CLEARING AND GRUBBING
STA 108+17

STA 108+71.3 LT
STEPS TO BE REMOVED

STA 109+23.5 LT
STEPS TO BE REMOVED

STA 109+71.8 LT
STEPS TO BE REMOVED

STA 110+29.4 LT
STEPS TO BE REMOVED

STA 109+75.35'NB' HAMMOND AVE =
STA 230+00.00 N 25TH ST
(SEE INTERSECTION DETAIL SHEET)

MATCH LINE 105+00

MATCH LINE 110+50

N 26TH STREET

BM #1

N0°23'52"E

HAMMOND AVENUE

N 25TH STREET

S89°55'14"E

STA 105+76 RT
CONSTRUCT CONC PE
MATCH EXISTING
SAWCUT REQ'D

STA 105+61.73'NB' HAMMOND AVE =
STA 210+00.00 N 26TH ST
(SEE INTERSECTION DETAIL SHEET)

EXISTING GAS MAIN
TO BE REMOVED

CAN (COMMUNITY AREA NETWORK)

EXISTING TREE CANOPY (TYP)

STA 109+14.5 RT
STEPS TO BE REPLACED

END CONSTRUCTION
STA 230+87.00
MATCH EXISTING
SAWCUT REQ'D

STA 107+26 RT
CONSTRUCT CONC PE
MATCH EXISTING
SAWCUT REQ'D

STA 108+45 RT
CONSTRUCT CONC PE
MATCH EXISTING
SAWCUT REQ'D

= CLEARING AND GRUBBING

EXISTING R/L PROFILE

FINISHED R/L PROFILE (NB)

0.32%

-0.59%

VPC STA 109+15.00 'NB'
VPC EL 650.89

VPI STA 109+40.00 'NB'
VPI EL 650.81

VPT STA 109+65.00 'NB'
VPT EL 650.67

VCL = 50.00

K = 183.12

EXISTING R/L ELEVATIONS

FINISHED R/L ELEVATIONS (NB)

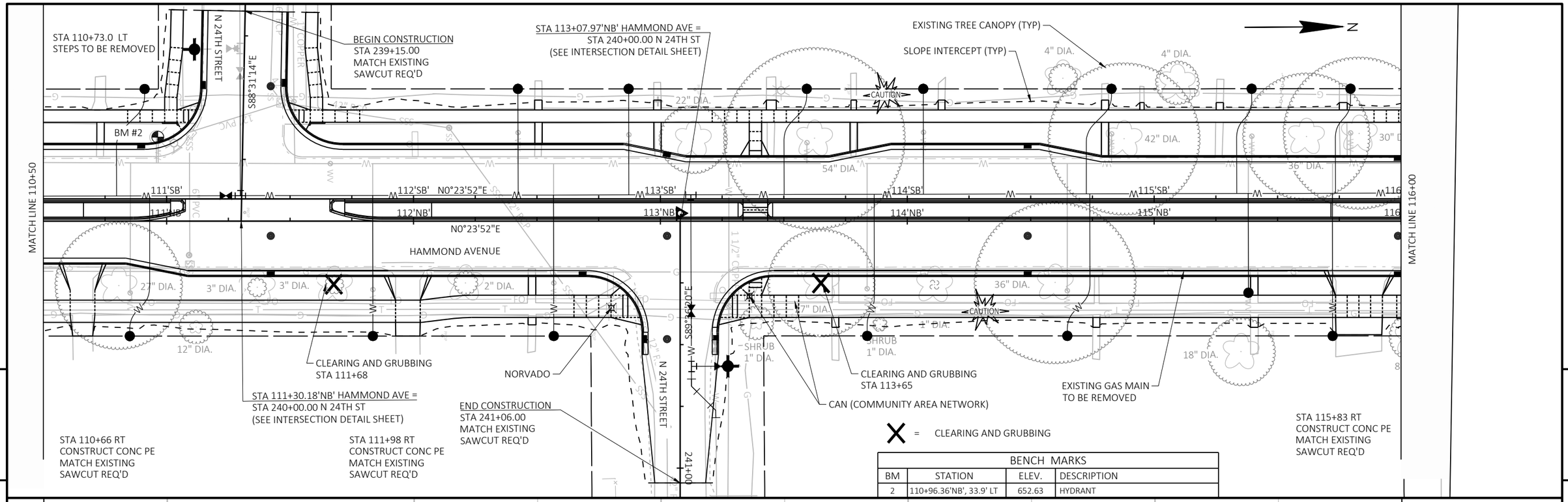
105	106	107	108	109	110	110
652.41 / 652.22	652.30 / 652.06	652.20 / 651.90	652.02 / 651.74	651.75 / 651.58	651.55 / 651.42	651.33 / 651.26	651.07 / 651.10	650.83 / 650.94	650.66 / 650.75	650.45 / 650.46	650.14 / 650.16

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	PLAN AND PROFILE: HAMMOND AVENUE	SHEET 139	E

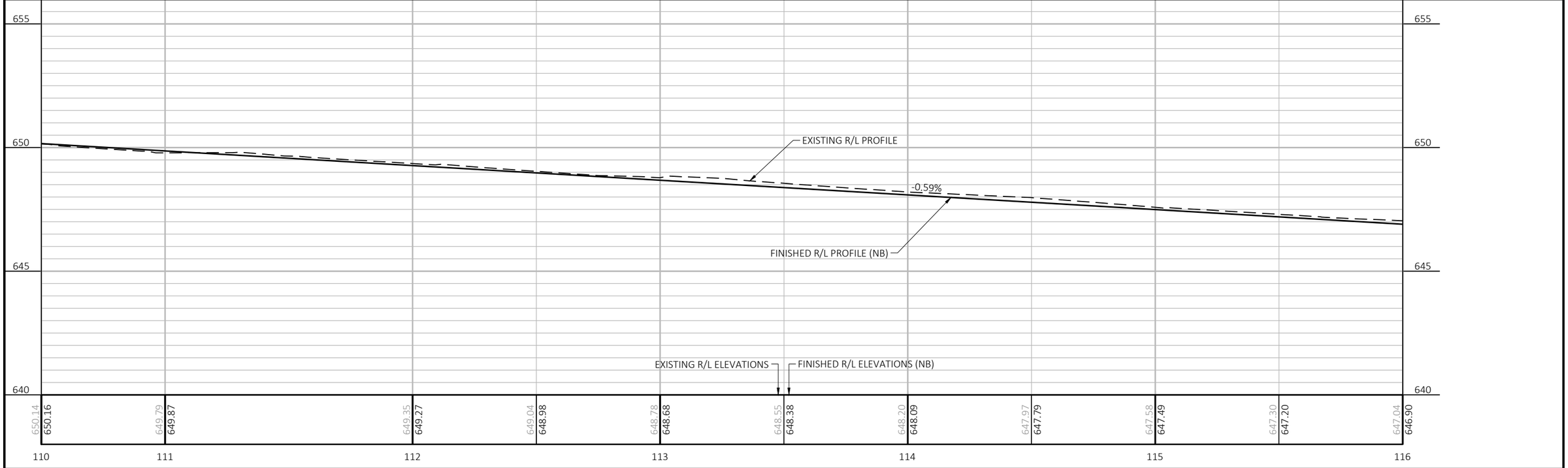
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\050101_PP.DWG
LAYOUT NAME - 02

PLOT DATE : 7/30/2024 11:08 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



BENCH MARKS			
BM	STATION	ELEV.	DESCRIPTION
2	110+96.36'NB', 33.9' LT	652.63	HYDRANT



PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	PLAN AND PROFILE: HAMMOND AVENUE	SHEET 140	E

BENCH MARKS			
BM	STATION	ELEV.	DESCRIPTION
3	117+00.81'NB', 33.8' LT	649.57	HYDRANT

BEGIN CONSTRUCTION
STA 249+75.00
MATCH EXISTING
SAWCUT REQ'D

N 23RD STREET

S89°58'53"E

SLOPE INTERCEPT (TYP)

EXISTING TREE CANOPY (TYP)

STA 119+66.51 HAMMOND AVE =
STA 260+00.00 FAXON ST
(SEE INTERSECTION DETAIL SHEET)

BM #3

SHRUB

CAUTION

MATCH LINE 116+00

MATCH LINE 121+00

117'SB' 118'SB' 119'SB' 120'SB'

117'NB' 118'NB' 119'NB' 120'NB'

N0°23'52"E

HAMMOND AVENUE

S89°40'00"E

STA 116+36.17 HAMMOND AVE =
STA 250+00.00 N 23RD ST
(SEE INTERSECTION DETAIL SHEET)

STA 117+35.42 HAMMOND AVE =
STA 250+00.00 N 23RD ST
(SEE INTERSECTION DETAIL SHEET)

EXISTING GAS MAIN
TO BE REMOVED

S89°25'04"E

FAXON STREET

CAN (COMMUNITY
AREA NETWORK)

END CONSTRUCTION
STA 250+82.00
MATCH EXISTING
SAWCUT REQ'D

STA 117+65 RT
CONSTRUCT CONC PE
MATCH EXISTING
SAWCUT REQ'D

STA 118+10 RT
CONSTRUCT CONC PE
MATCH EXISTING
SAWCUT REQ'D

END CONSTRUCTION
STA 260+90.00
MATCH EXISTING
SAWCUT REQ'D

5

5

VCL = 50.00
K = 77.92

EXISTING R/L PROFILE

FINISHED R/L PROFILE (NB)

-0.59%

-0.32%

STA 118+50.00 'NB'
EL 645.42

LP STA 120+49.27
LP EL 644.82

VPC STA 120+24.20 'NB'
VPC EL 644.86

VPI STA 120+49.20 'NB'
VPI EL 644.78

VPT STA 120+74.20 'NB'
VPT EL 644.86

650
645
640
635

EXISTING R/L ELEVATIONS

FINISHED R/L ELEVATIONS (NB)

116		117		118		119		120		121
647.04	646.90	646.74	646.60	646.45	646.31	646.30	646.01	646.15	645.71	646.02	645.42	645.86	645.26	645.77	645.10	645.64	644.93	645.57	644.82	645.47	644.94

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	PLAN AND PROFILE: HAMMOND AVENUE	SHEET 141	E

BEGIN CONSTRUCTION
STA 268+80.00
MATCH EXISTING
SAWCUT REQ'D

CLEARING AND GRUBBING
STA 269+46
STA 269+49

STA 122+07.4 LT
STEPS TO BE REPLACED

STA 122+61.0 LT
STEPS TO BE REPLACED

STA 122+97.5 LT
STEPS TO REPLACED

STA 123+23.4 LT
STEPS TO REPLACED

STA 123+60.4 LT
STEPS TO REPLACED

EXISTING TREE CANOPY (TYP)

SLOPE INTERCEPT (TYP)

STA 124+28.0 LT
STEPS TO REPLACED

STA 124+50 LT
CONSTRUCT CONC PE
MATCH EXISTING
SAWCUT REQ'D

STA 124+74 LT
CONSTRUCT CONC PE
MATCH EXISTING
SAWCUT REQ'D

STA 125+27.0 LT
STEPS TO BE REMOVED

N

N 22ND STREET

N 21ST STREET

HAMMOND AVENUE

MATCH LINE 121+00

BM #4

BP: 124+78.85

PI: 125+50.90

EP: 125+92.91

PI: 126+74.87

PI: 125+75.78

STA BACK = 126+74.92
STA AHEAD = 126+74.87

S89°36'20"E

S89°33'17"E

S89°51'54"E

N0°23'52"E

N1°59'19"W

N1°20'11"W

15.0'

20.0'

STA 121+54.73'NB' HAMMOND AVE =
STA 270+00.00 N 22ND ST
(SEE INTERSECTION DETAIL SHEET)

= CLEARING AND GRUBBING

STA 122+94.87'NB' HAMMOND AVE =
STA 270+00.00 N 22ND ST
(SEE INTERSECTION DETAIL SHEET)

END CONSTRUCTION
STA 270+90.00
MATCH EXISTING
SAWCUT REQ'D

EXISTING GAS MAIN
TO BE REMOVED

STA 125+23.5 RT
STEPS TO REPLACED

CAN (COMMUNITY
AREA NETWORK)

NORVADO

END PROJECT
STA 125+75.00'NB'
MATCH EXISTING
SAWCUT REQ'D

BENCH MARKS			
BM	STATION	ELEV.	DESCRIPTION
4	121+21.61'NB', 33.9' LT	649.24	HYDRANT

'SB' VCL = 50.00
K = 92.54

'SB' VCL = 50.00
K = 92.54

'SB' VCL = 50.00
K = 77.92

'NB' VCL = 50.00
K = 77.92

FINISHED R/L PROFILE (SB)

FINISHED R/L PROFILE (NB)

EXISTING R/L PROFILE

0.32%

0.86%

STA 121+25.00 'SB'
EL 645.02

VPC STA 121+25.00 'SB'
VPC EL 645.02

VPI STA 121+50.00 'SB'
VPI EL 645.10

VPC STA 121+75.00 'SB'
VPC EL 645.31

VPT STA 121+75.00 'SB'
VPT EL 645.31

VPI STA 122+00.00 'SB'
VPI EL 645.53

VPT STA 122+25.00 'SB'
VPT EL 645.61

VPC STA 124+62.90 'SB'
VPC EL 646.37

VPI STA 124+87.90 'SB'
VPI EL 646.45

HP STA 124+87.84 'SB'
HP EL 646.41

VPT STA 125+12.90 'SB'
VPT EL 646.37

VPC STA 125+05.00 'NB'
VPC EL 646.24

HP STA 125+29.93 'SB'
HP EL 646.27

VPI STA 125+30.00 'NB'
VPI EL 646.32

STA 125+55.00 'SB'
EL 646.23

VPT STA 125+55.00 'NB'
VPT EL 646.23

FINISHED R/L ELEVATIONS (SB)

645.13 (SB) 645.50 (SB) 645.69 (SB) 645.85 (SB) 646.01 (SB) 646.17 (SB) 646.33 (SB) 646.40 (SB) 646.25 (SB)

EXISTING R/L ELEVATIONS

FINISHED R/L ELEVATIONS (NB)

645.47 644.94 | 645.43 645.10 | 645.54 645.26 | 645.64 645.42 | 645.74 645.58 | 645.81 645.74 | 645.90 645.90 | 645.93 646.06 | 646.03 646.22 | 645.98 646.25 | 646.06 646.09 | 646.23 645.93 | 646.15 645.77

650 645 640 635

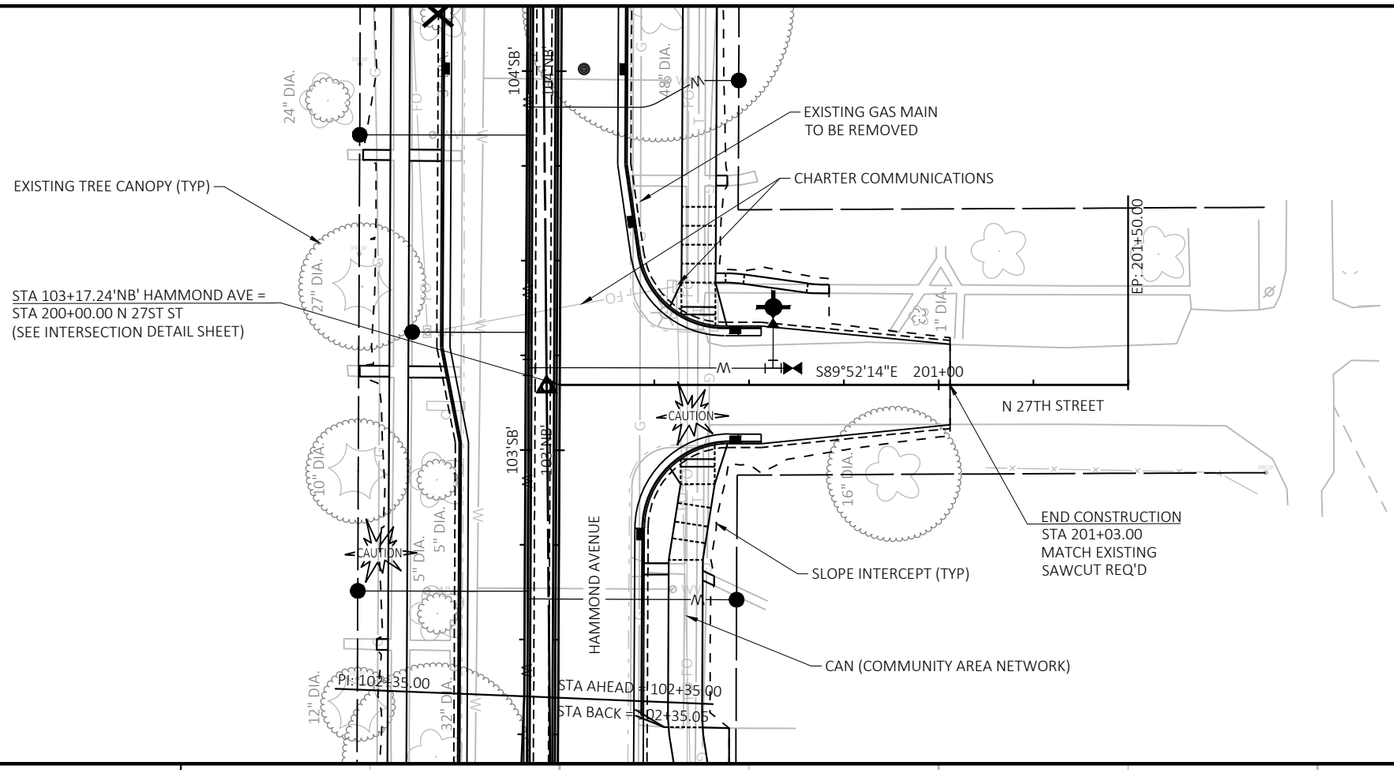
121 122 123 124 125 126 127

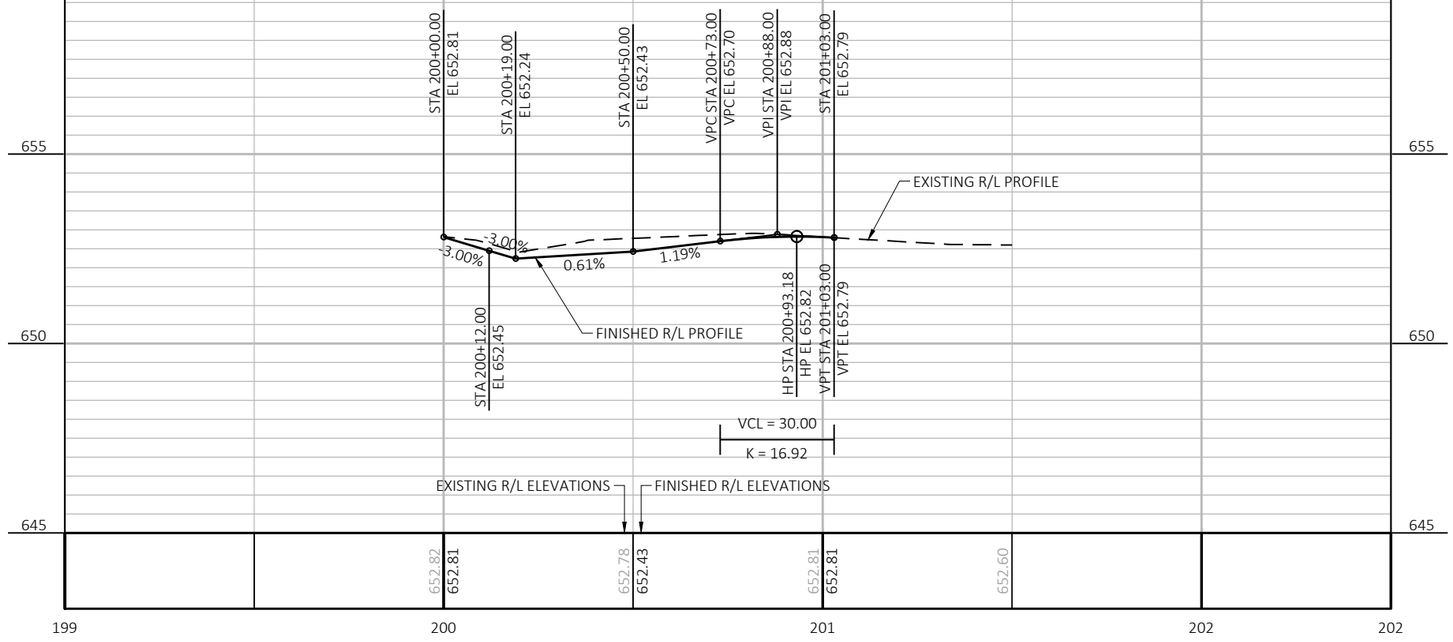
PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	PLAN AND PROFILE: HAMMOND AVENUE	SHEET 142	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\050101_PP.DWG
LAYOUT NAME - 05

PLOT DATE : 7/30/2024 11:08 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

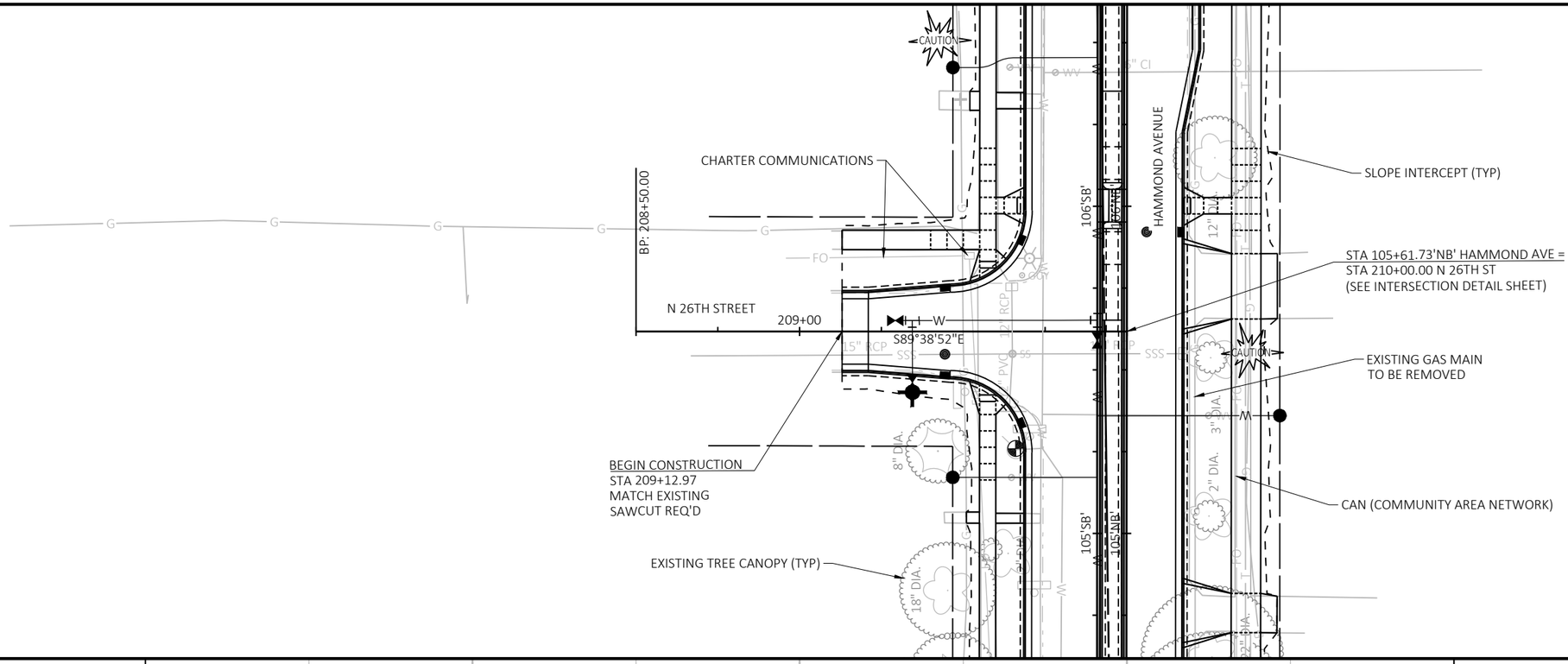
WISDOT/CADDS SHEET 44





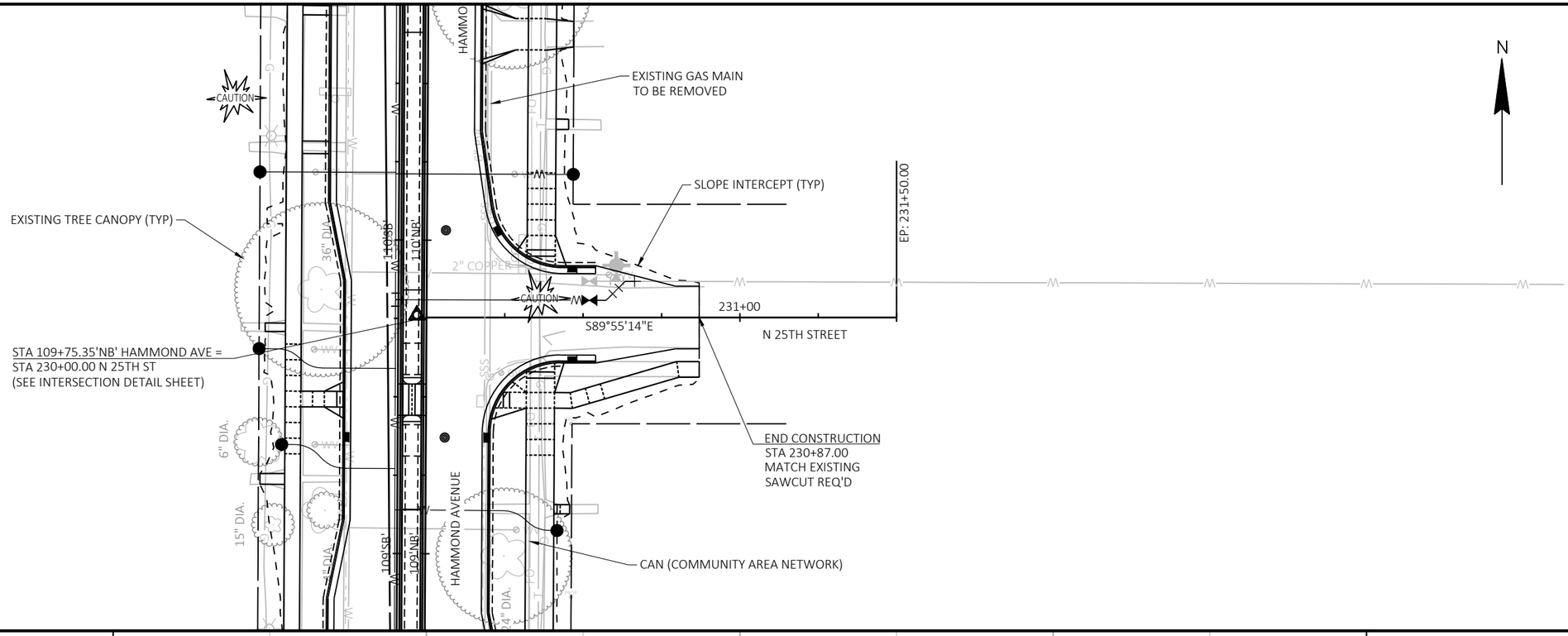
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PLAN AND PROFILE: N 27TH STREET	SHEET 143	E

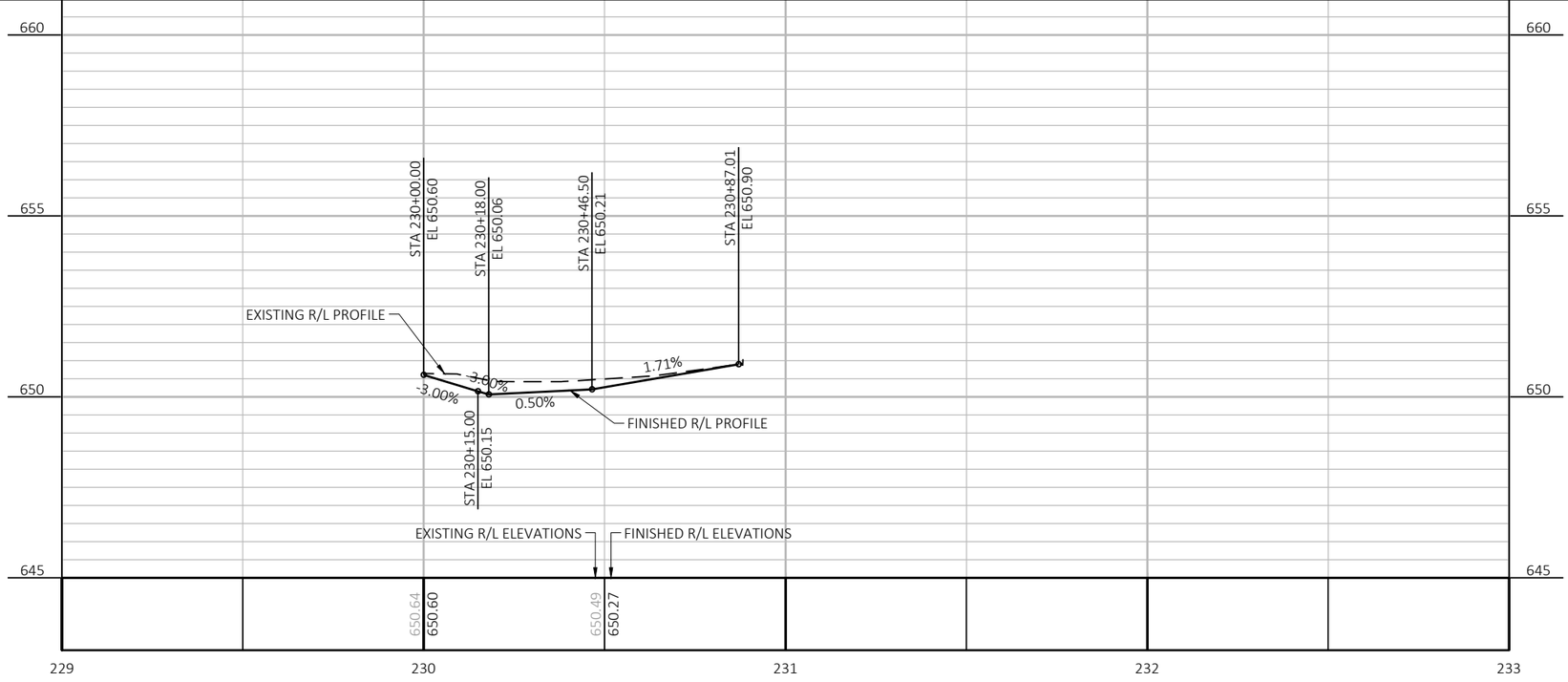
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LAYOUT NAME - 06
PLOT DATE : 7/30/2024 11:21 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PLAN AND PROFILE: N 26TH STREET	SHEET 144	E

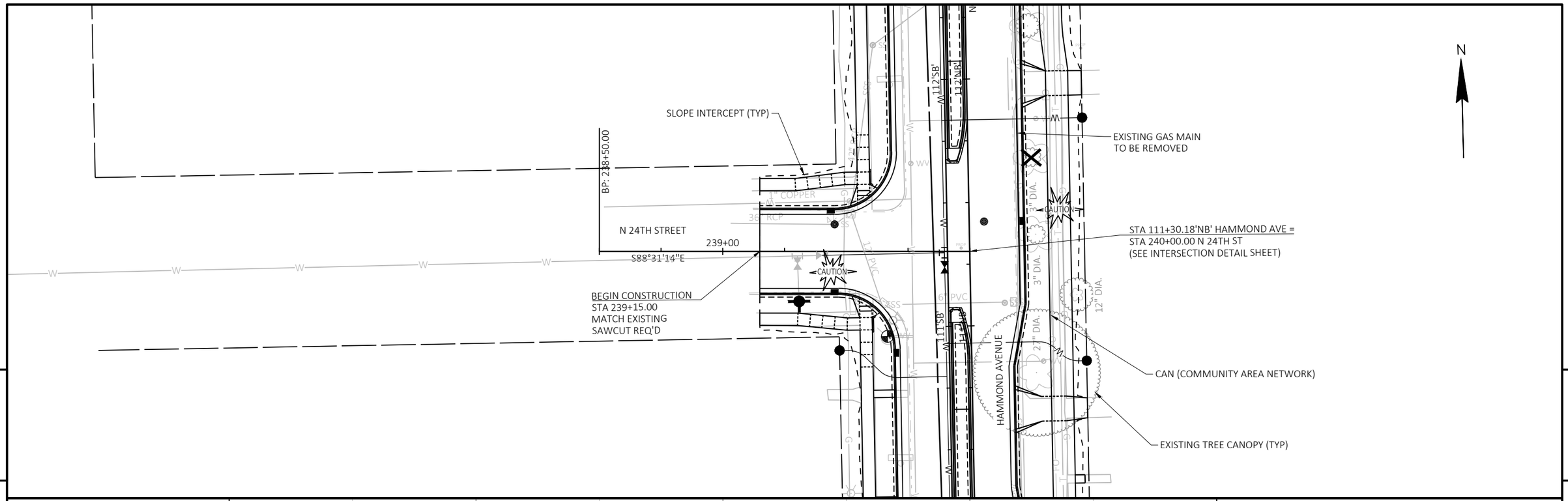
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LAYOUT NAME - 07
PLOT DATE : 7/30/2024 11:21 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

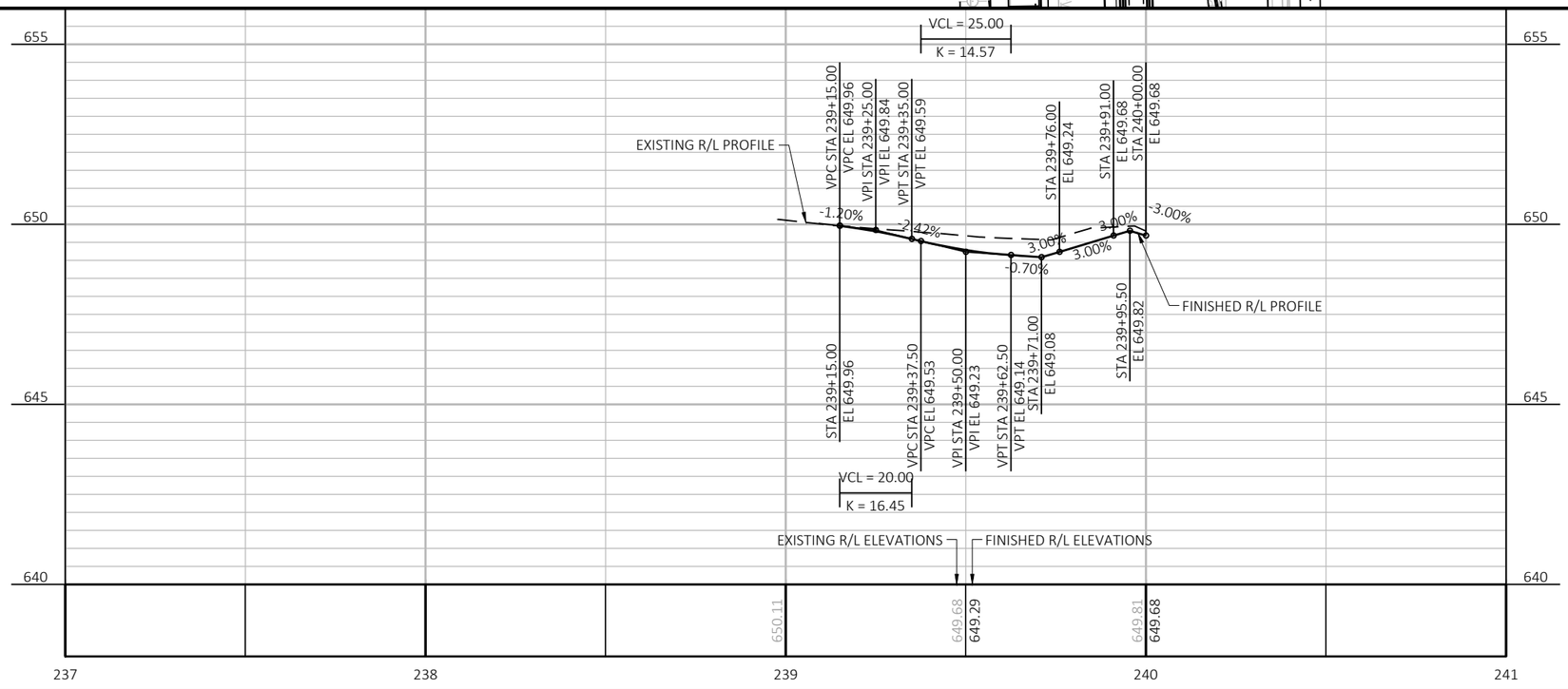




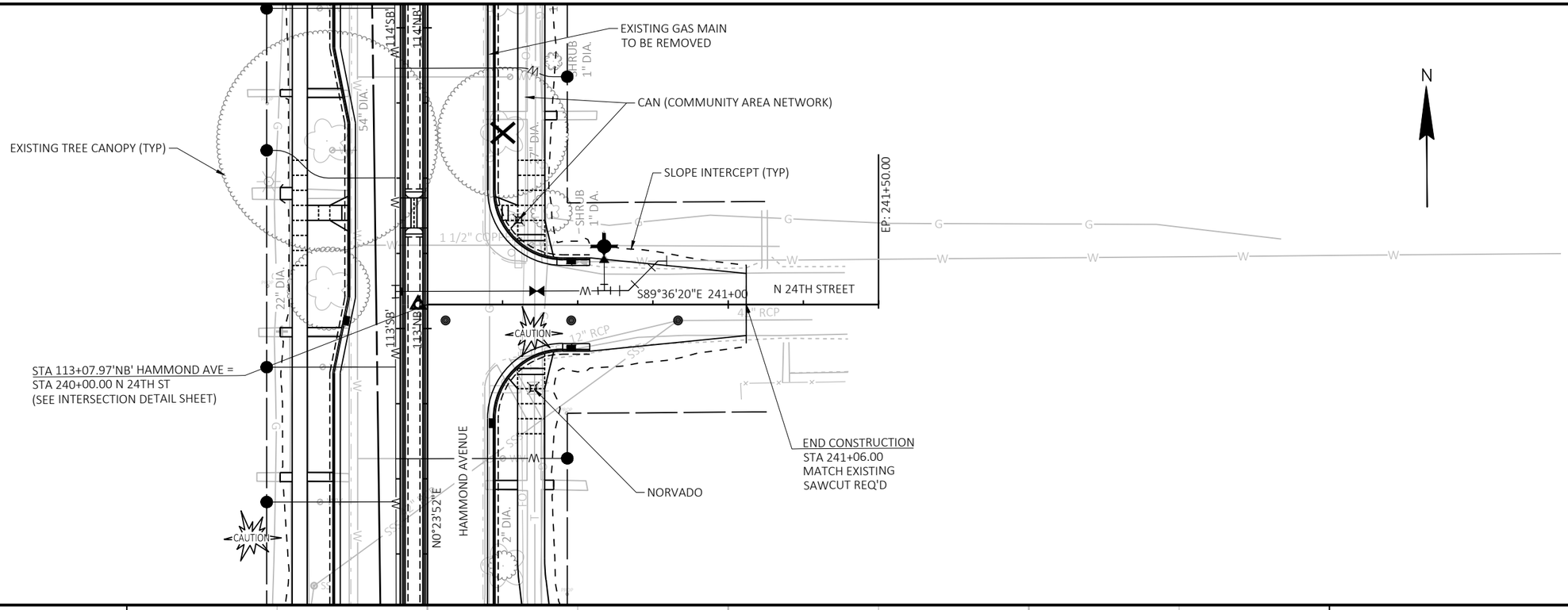
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PLAN AND PROFILE: N 25TH STREET	SHEET 145	E

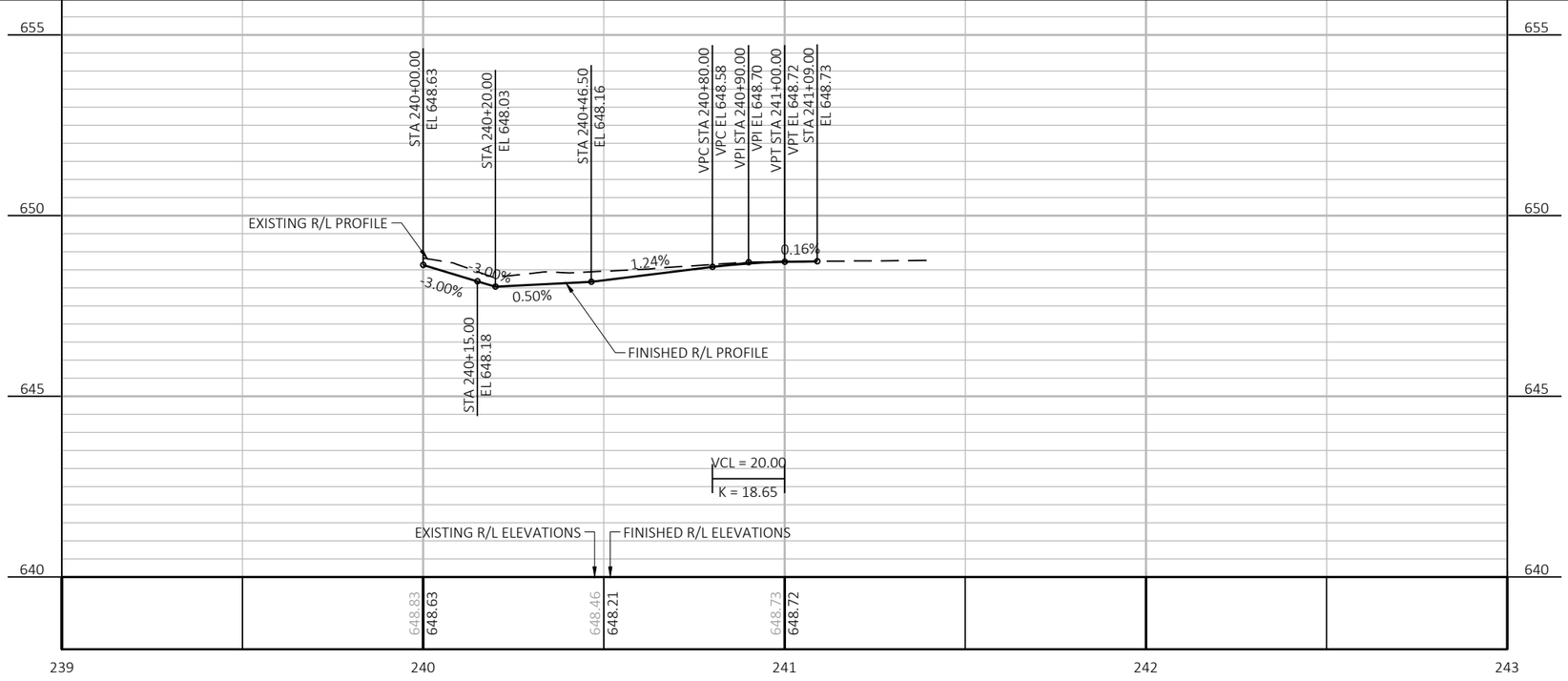
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LAYOUT NAME - 08
PLOT DATE : 7/30/2024 11:21 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





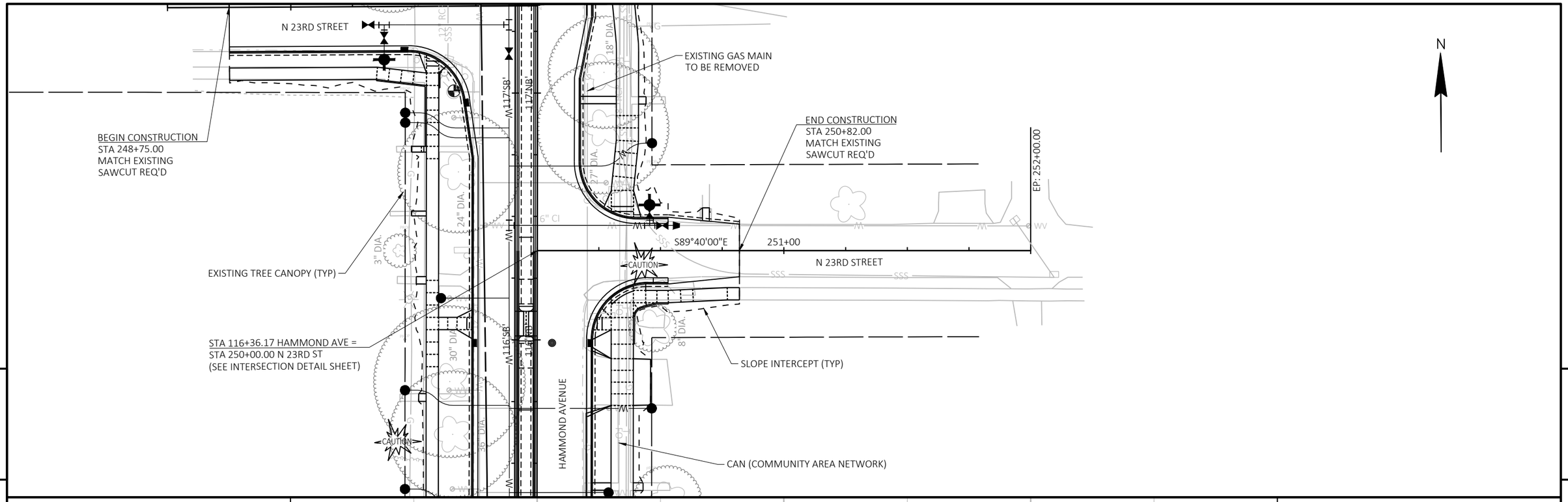
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PLAN AND PROFILE: N 24TH STREET	SHEET 146	E



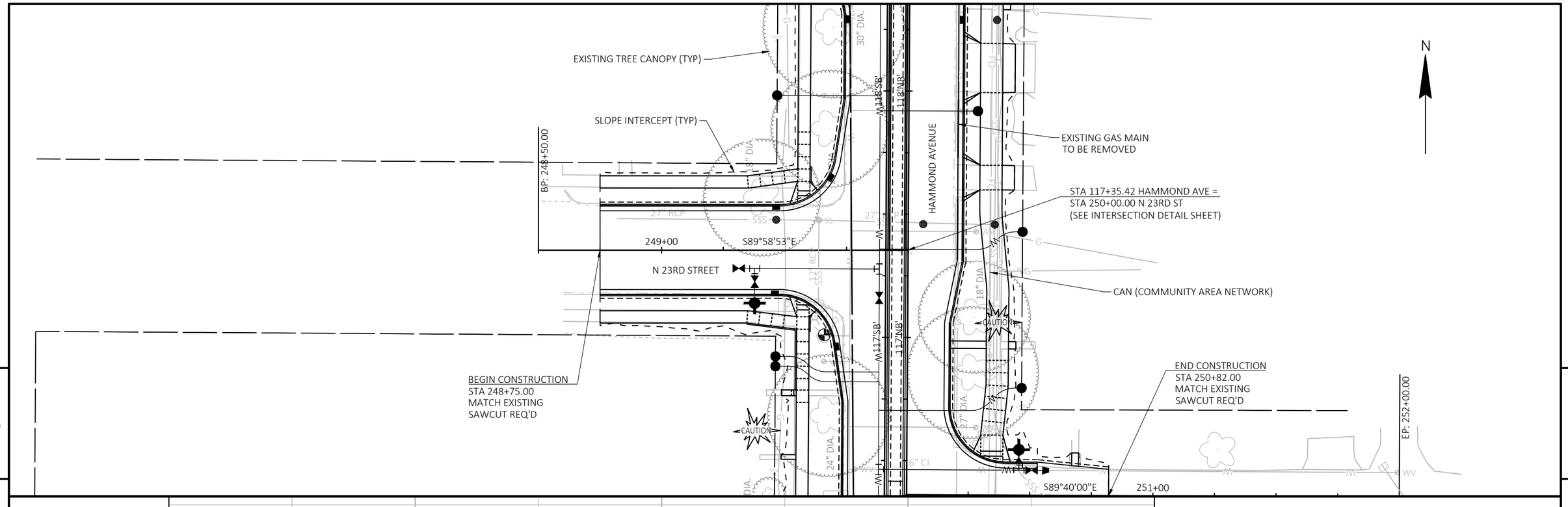


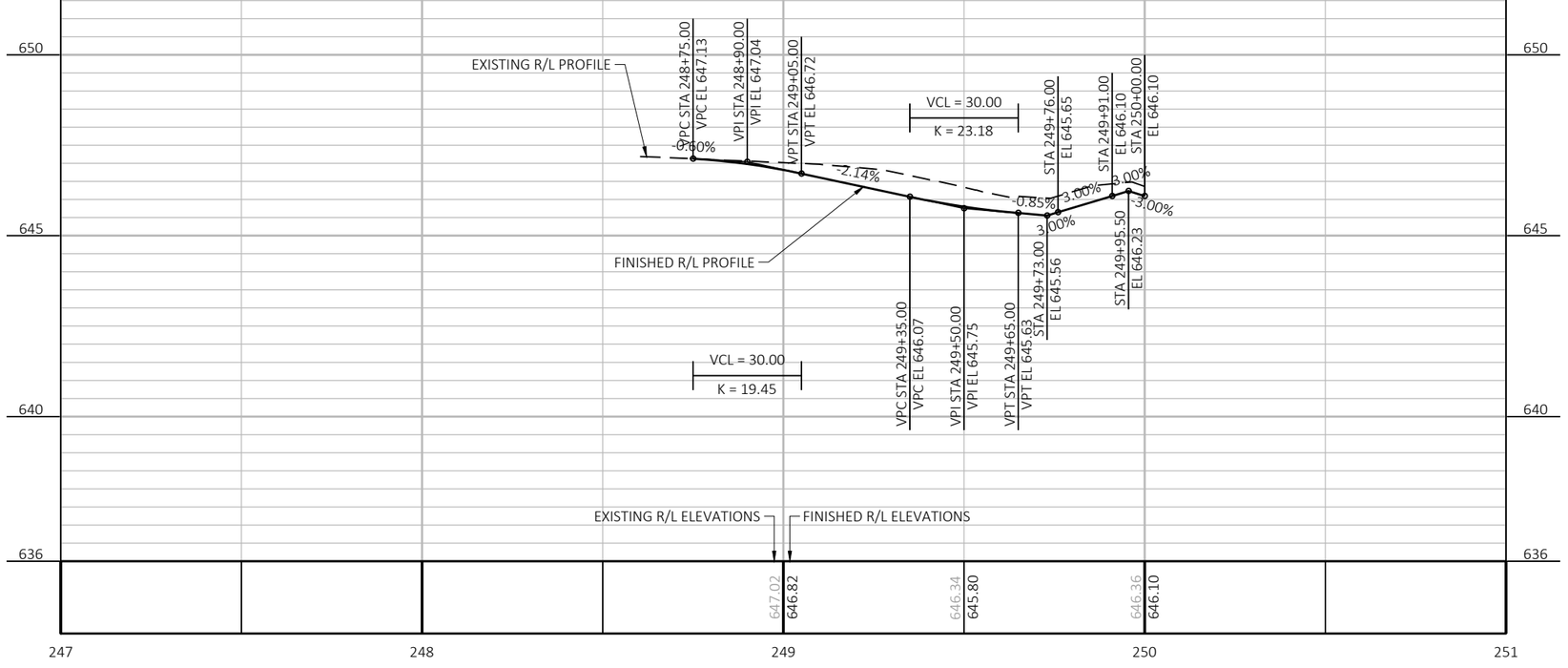
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PLAN AND PROFILE: N 24TH STREET	SHEET 147	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\050102_PP.DWG
LAYOUT NAME - 10
PLOT DATE : 7/30/2024 11:22 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

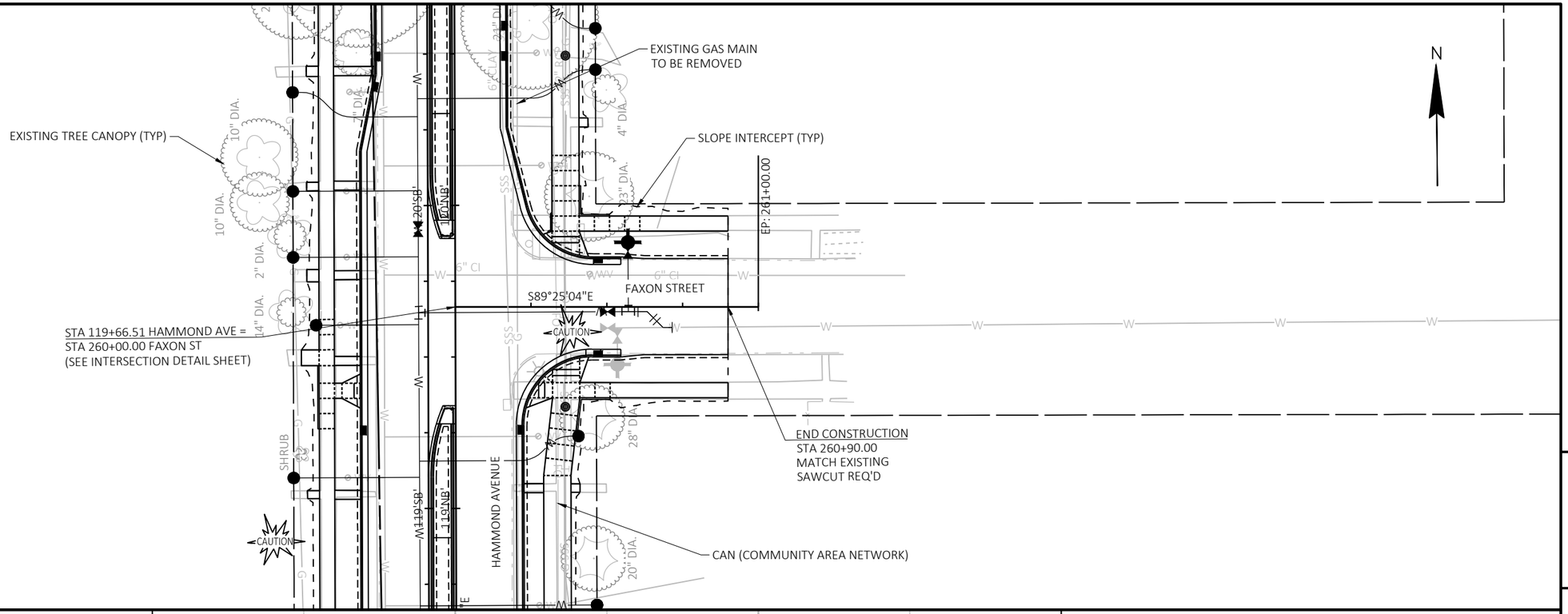


PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PLAN AND PROFILE: N 23RD STREET	SHEET 148	E

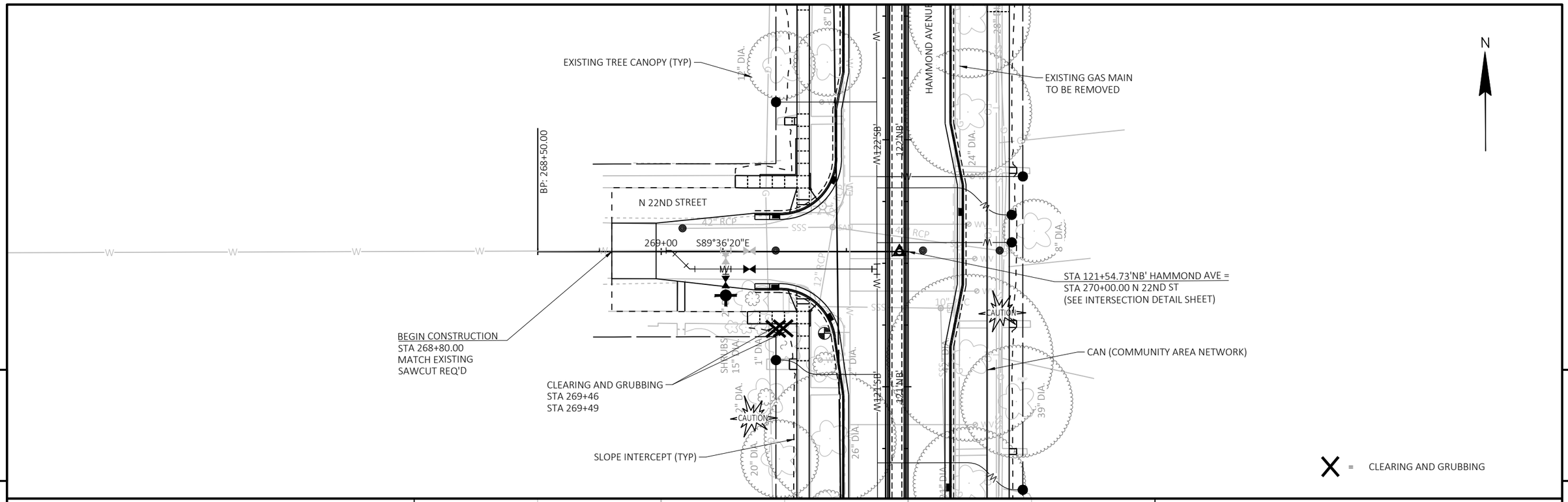


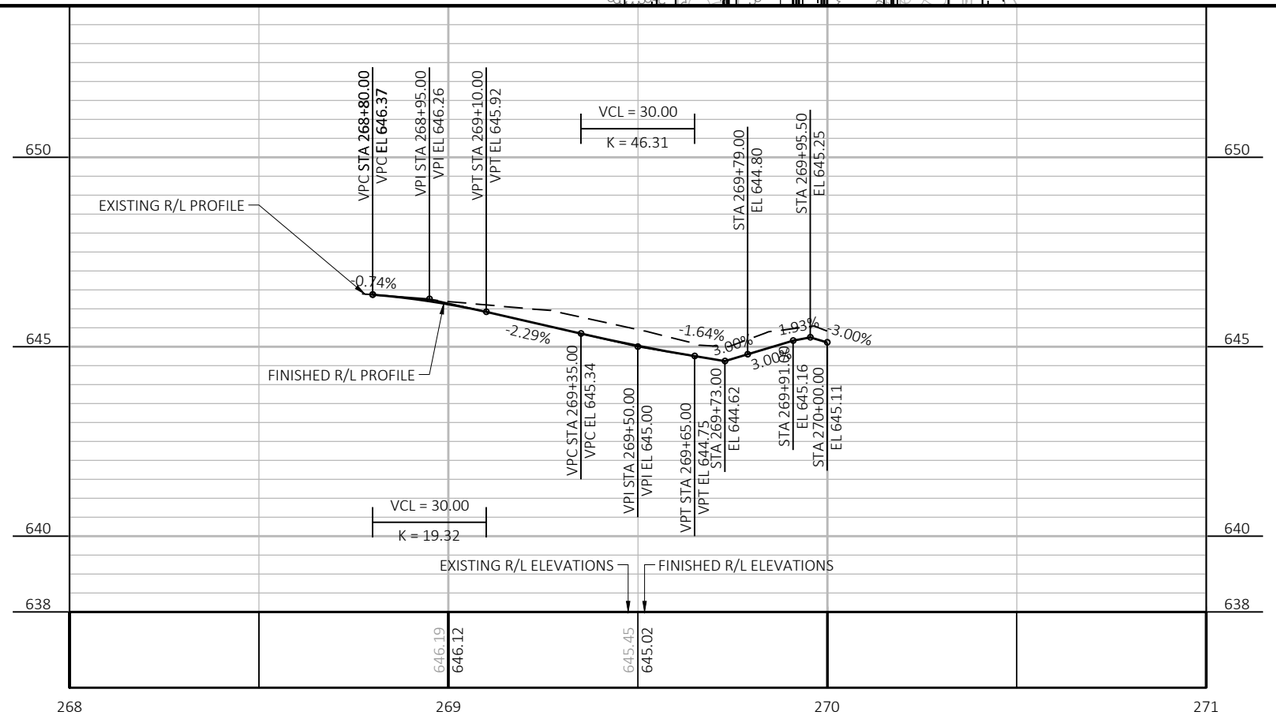


PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PLAN AND PROFILE: N 23RD STREET	SHEET 149	E

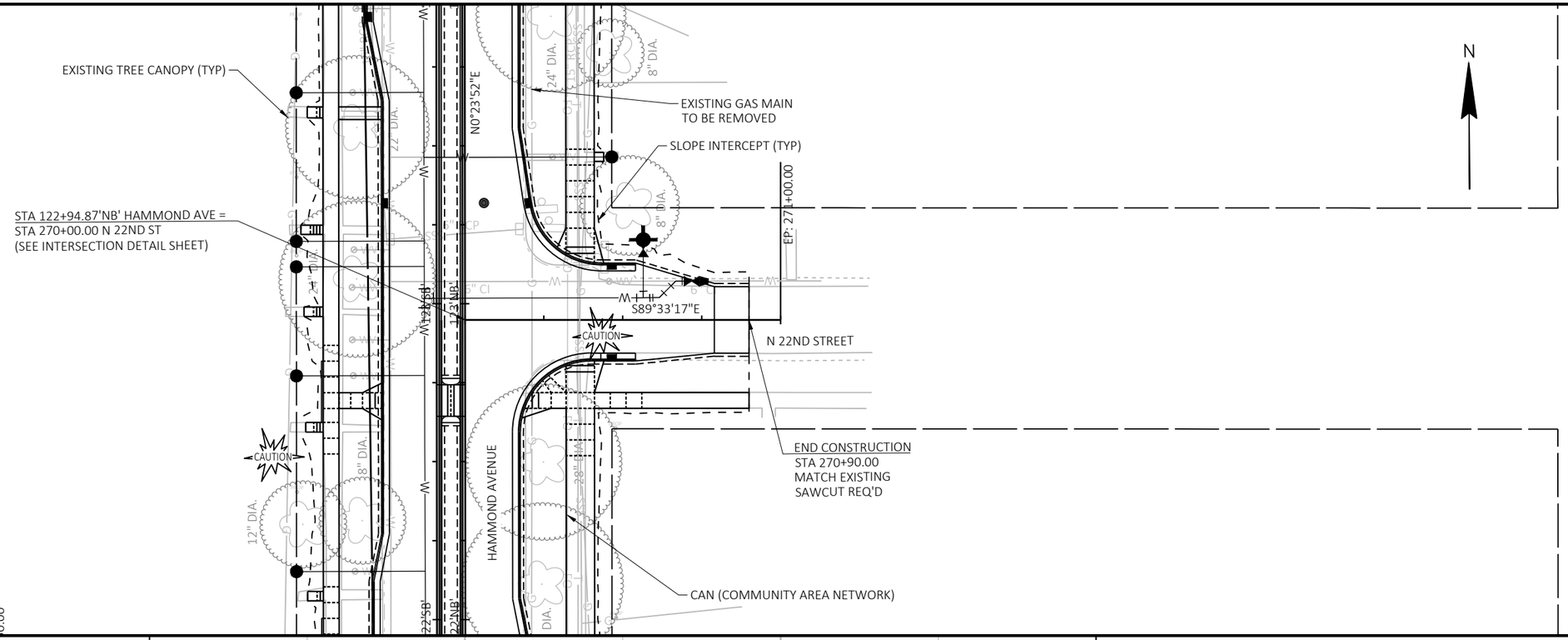


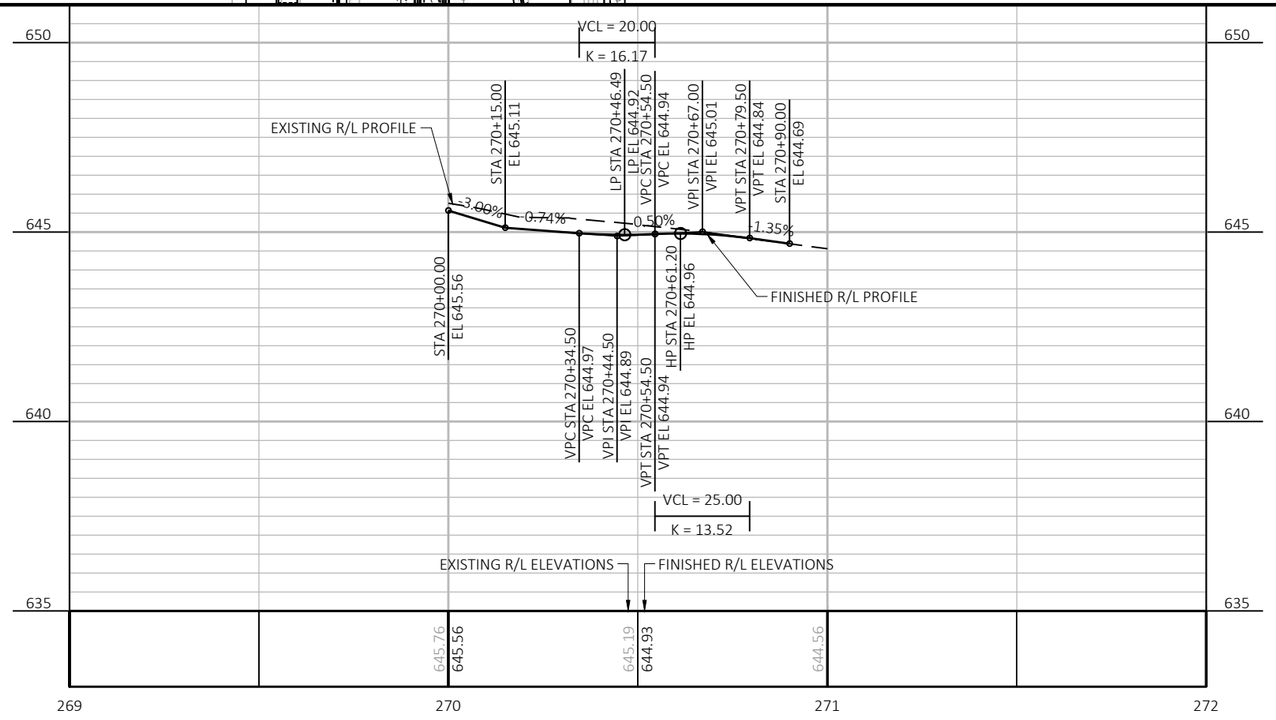
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PLAN AND PROFILE: FAXON STREET	SHEET 150	E





PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PLAN AND PROFILE: 22ND STREET	SHEET 151	E

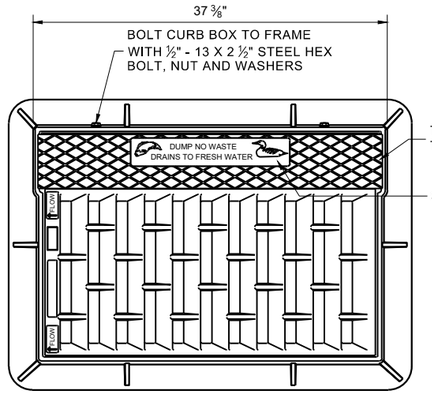




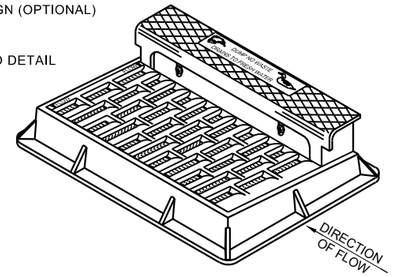
PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	PLAN AND PROFILE: 22ND STREET	SHEET 152	E

Standard Detail Drawing List

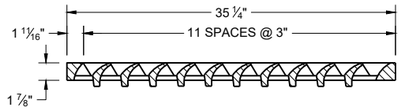
08A05-21A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-21E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
11B02-02	CONCRETE MEDIAN NOSE
14A02-01	TREE PLANTING DETAIL
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

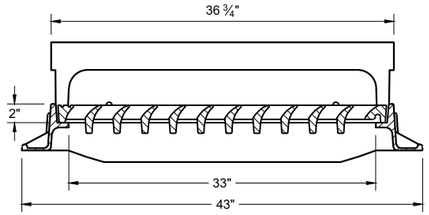


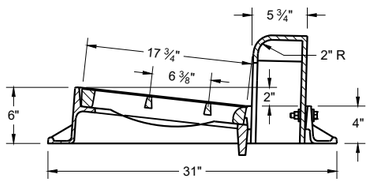
NOTE: EITHER CASTING IS ACCEPTABLE

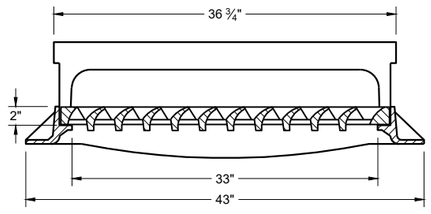


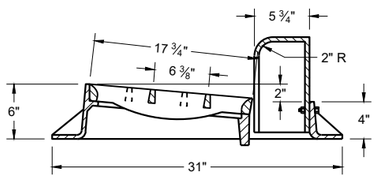
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







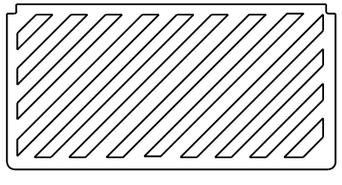




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

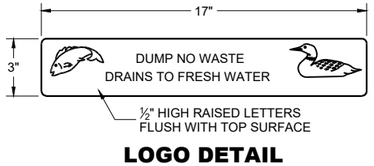
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



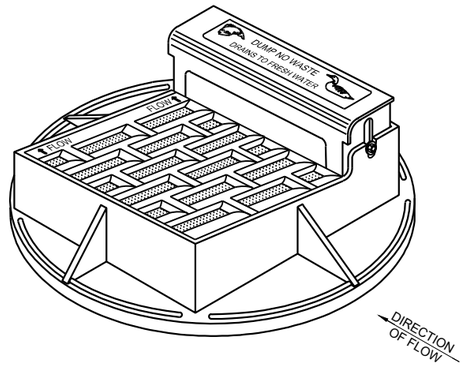
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

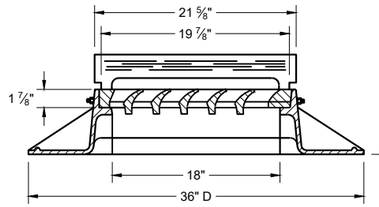


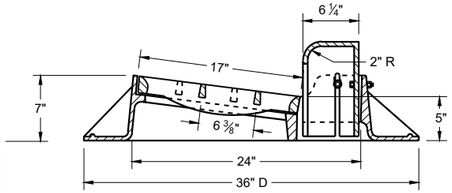
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





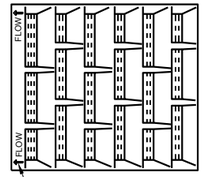
TYPE "A"

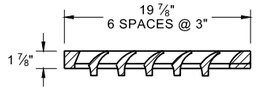
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

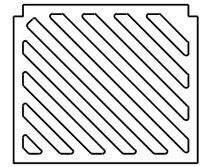
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.





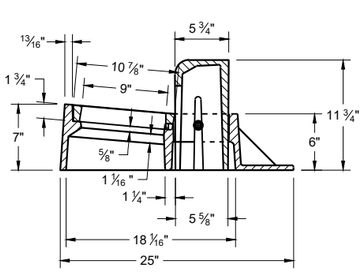
1" DIAGONAL BARS WITH 1 1/2" OPENINGS



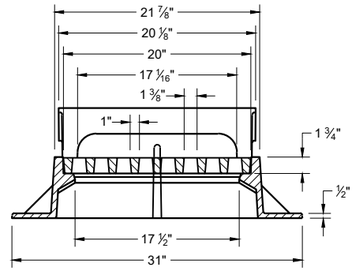
SPECIAL GRATE FOR TYPE "A" COVER

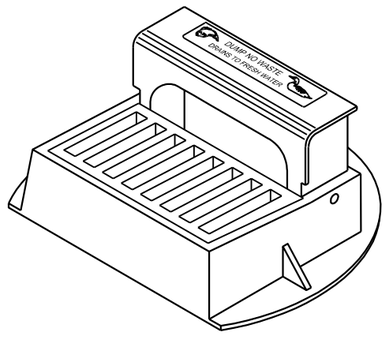
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

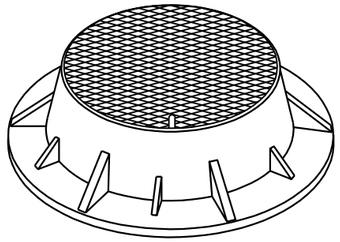
FHWA

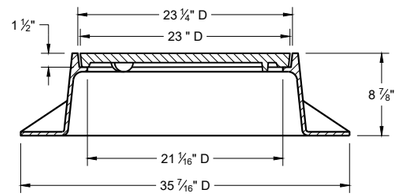
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

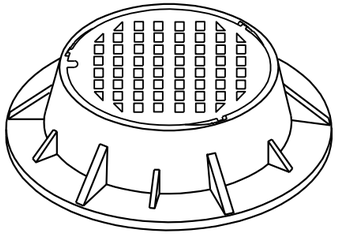
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

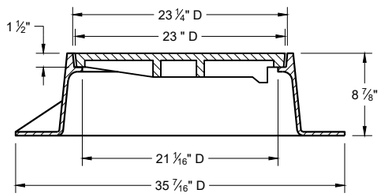




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

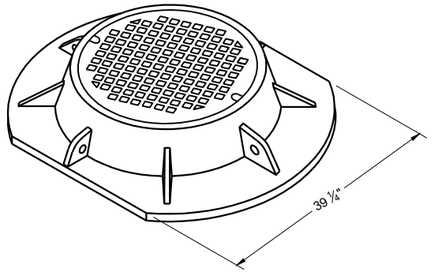


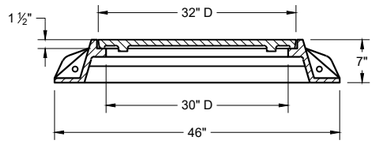


TYPE "J" SPECIAL

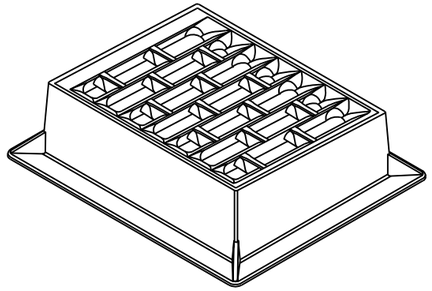
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

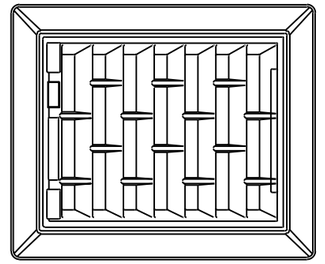
NOTE: EITHER CASTING IS ACCEPTABLE

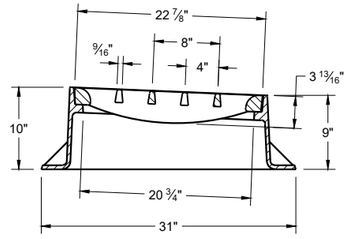


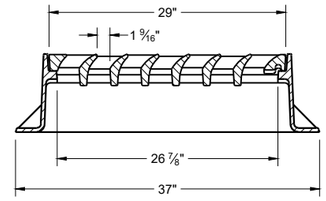


TYPE "K"

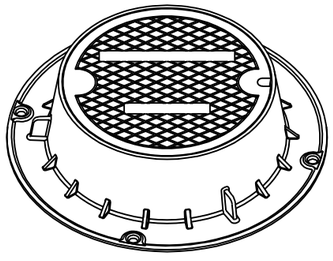


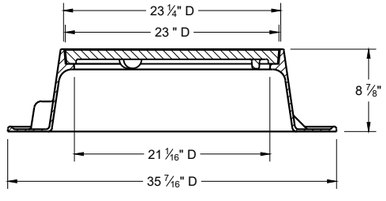






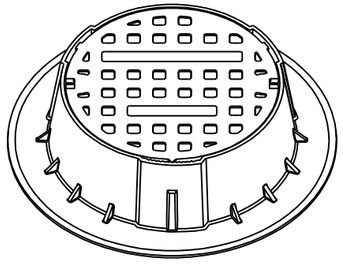
INLET COVER TYPE "BW"

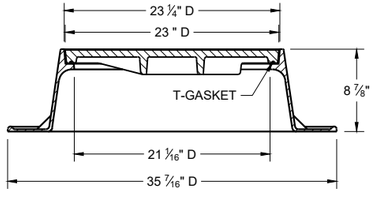




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

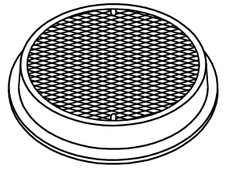


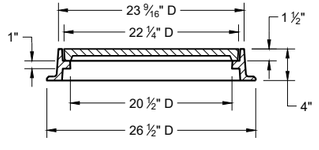


TYPE "J" SPECIAL

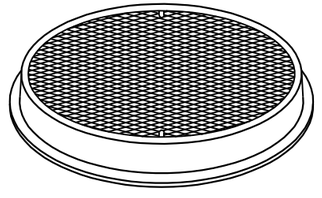
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

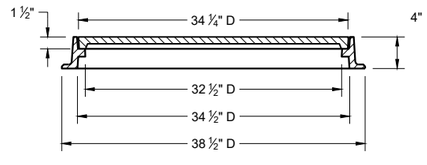
NOTE: EITHER CASTING IS ACCEPTABLE





TYPE "L"





TYPE "M"

INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

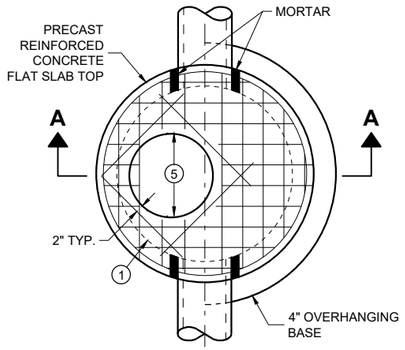
December 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA

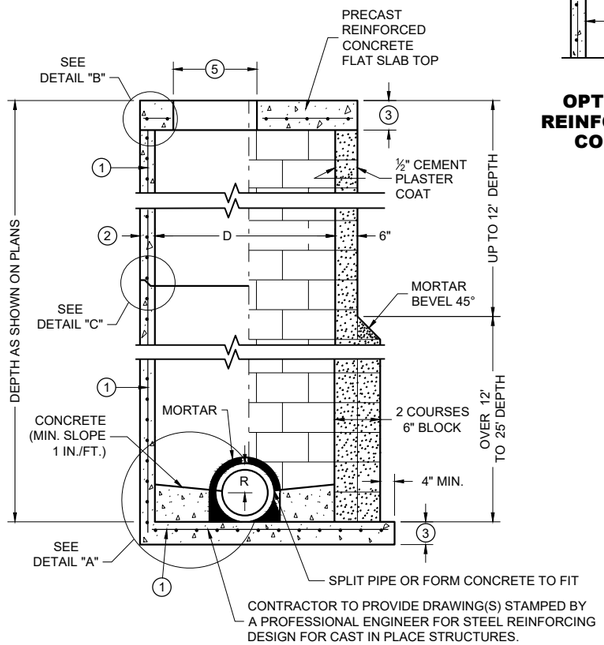
6

SDD 08A05-21e



PLAN VIEW

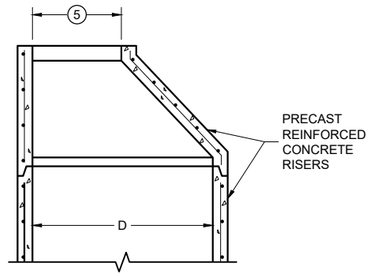
CIRCULAR OPENING



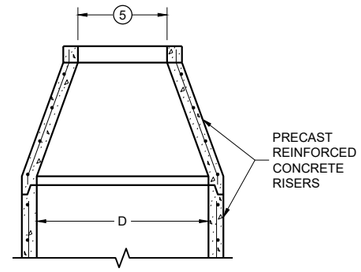
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

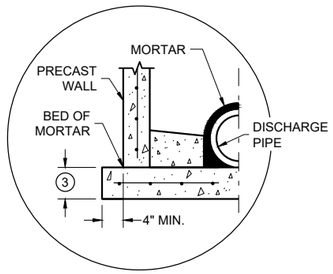
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



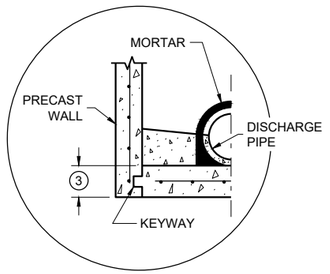
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

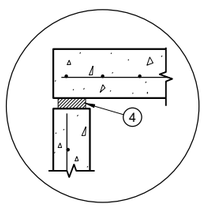


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

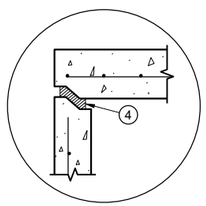


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

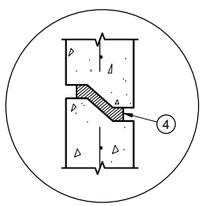
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

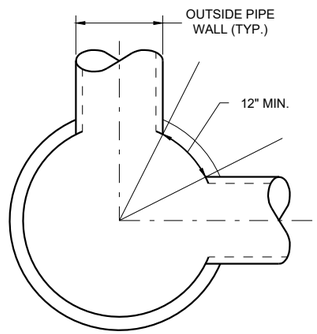
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

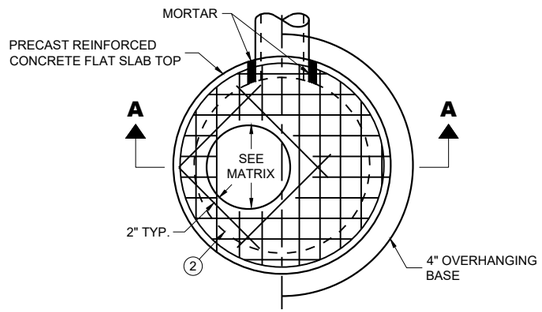
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

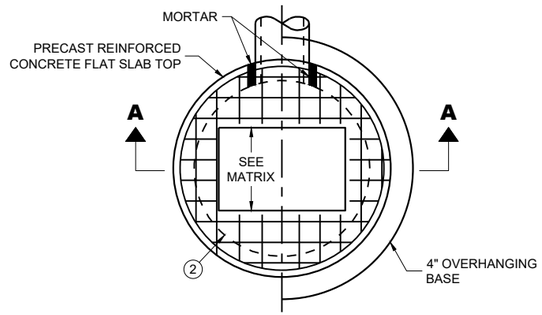
FHWA

SDD 08B09-04

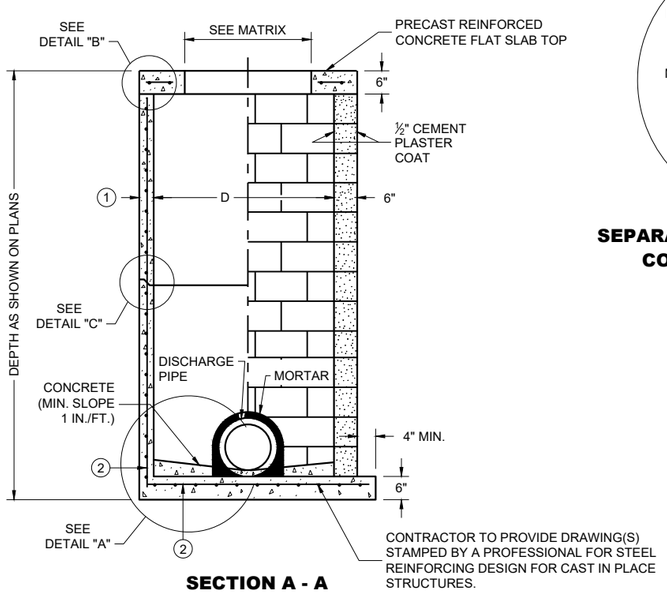
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PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

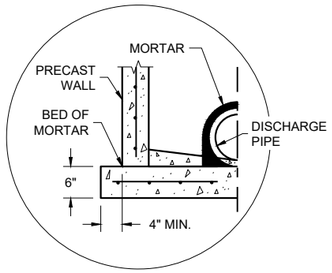
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

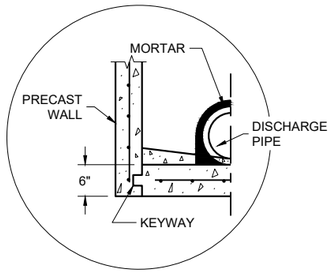
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

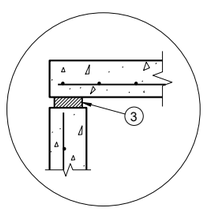


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

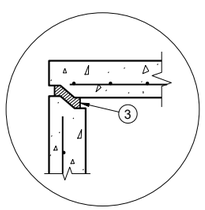


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

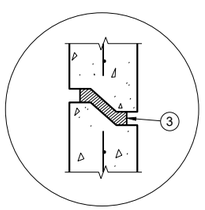
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

INLETS 3-FT AND 4-FT DIAMETER

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

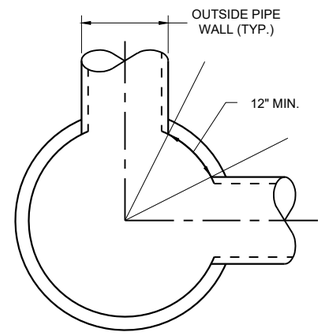
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

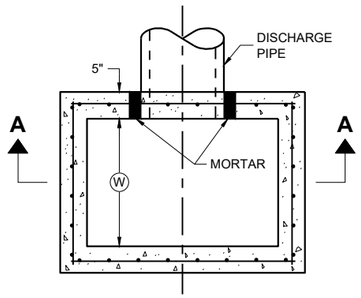
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

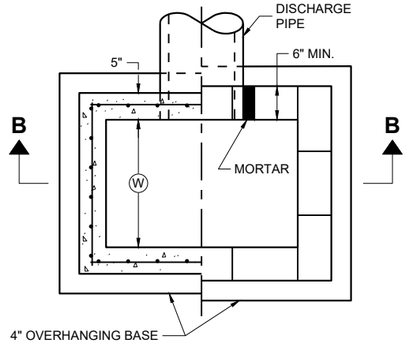
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December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

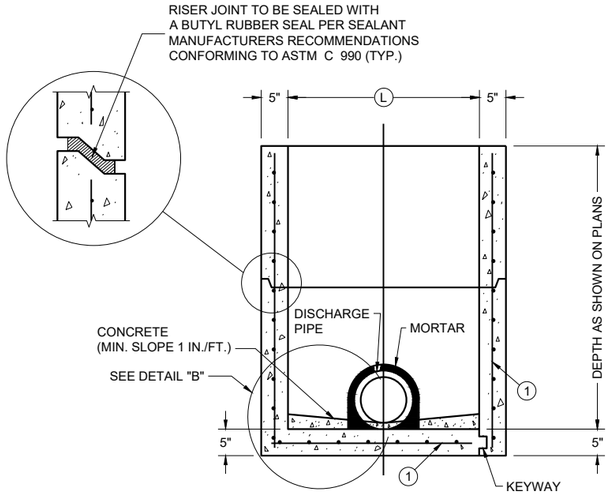
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PLAN VIEW



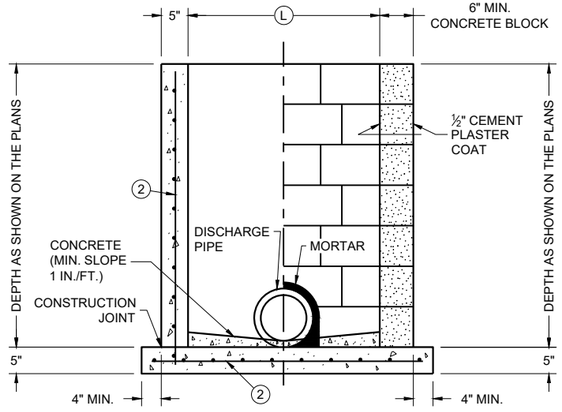
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

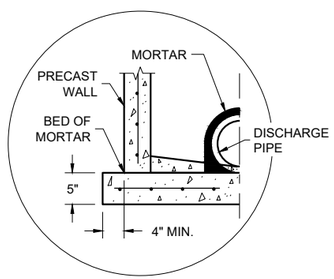
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

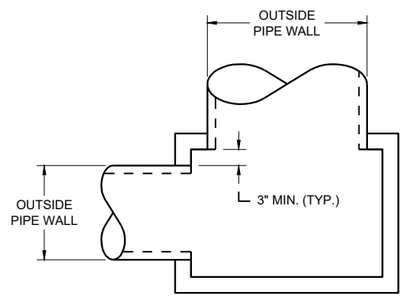
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

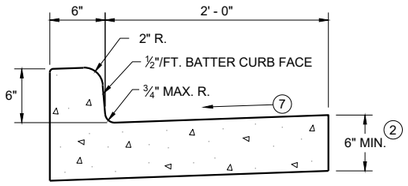
FHWA

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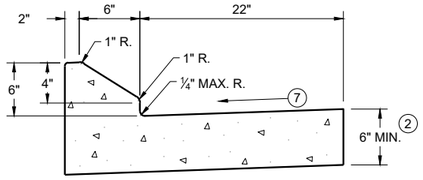
SDD 08C07-03

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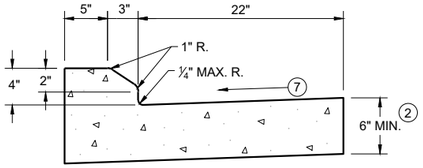
SDD 08C07-03



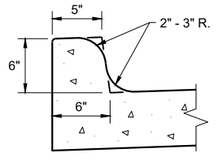
TYPES A (1) & D



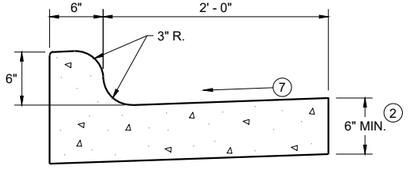
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

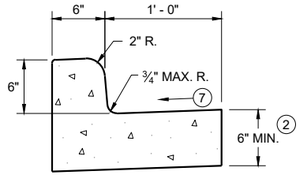


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



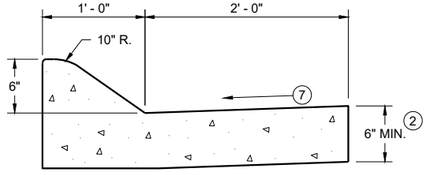
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

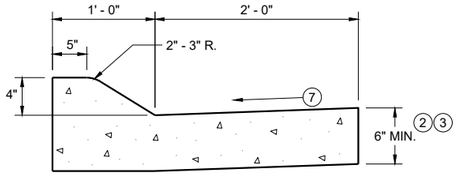


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

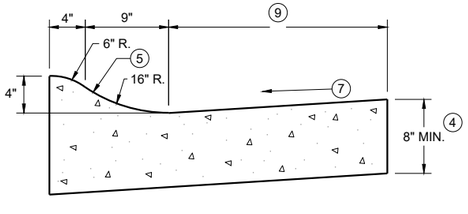


6" SLOPED CURB TYPES A (1) & D



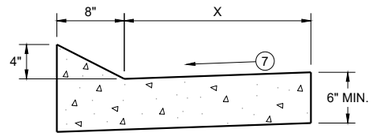
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

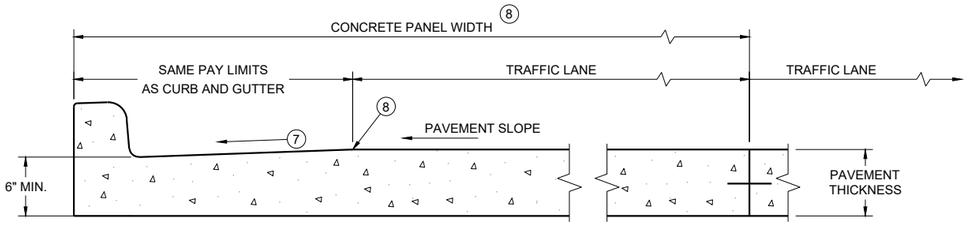


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

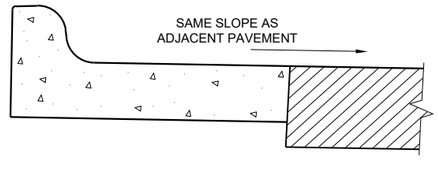
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

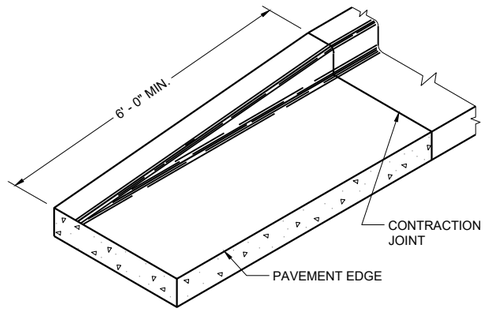
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

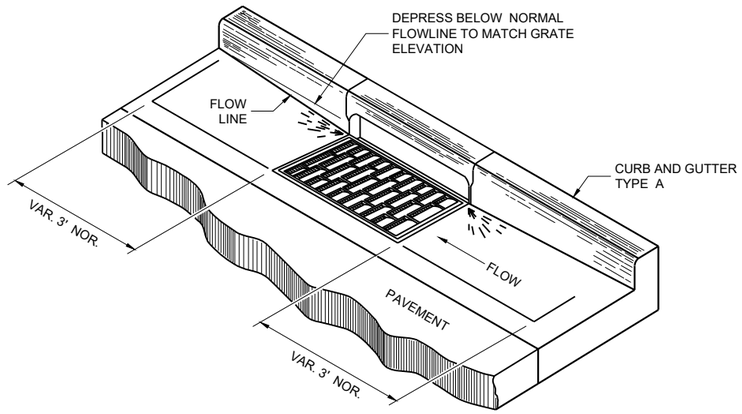
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D01-23a



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

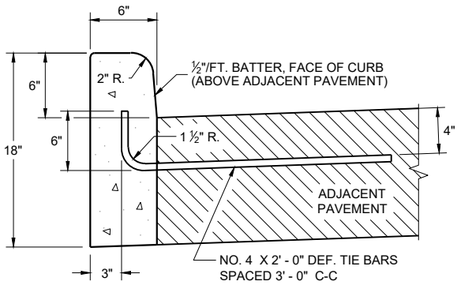
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

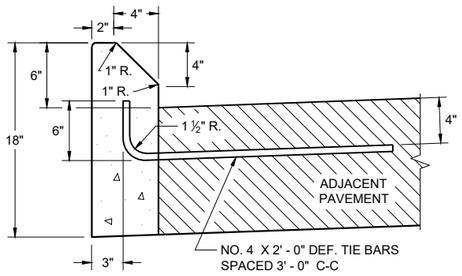
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

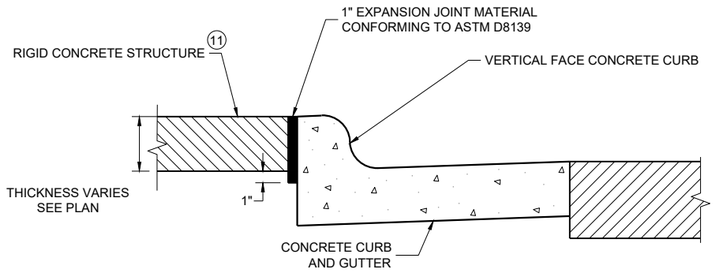


TYPES A (1) & D

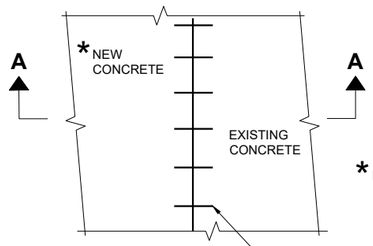


TYPES G (1) & J

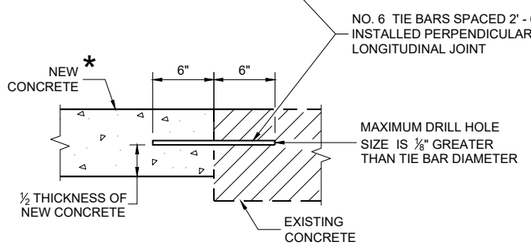
CONCRETE CURB



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

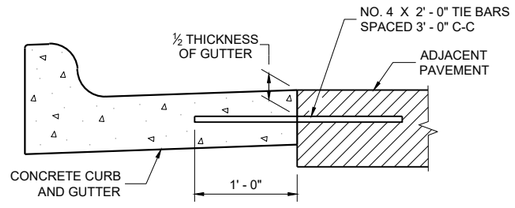


PLAN VIEW

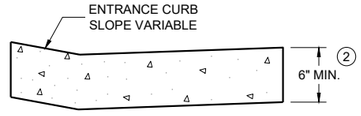


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

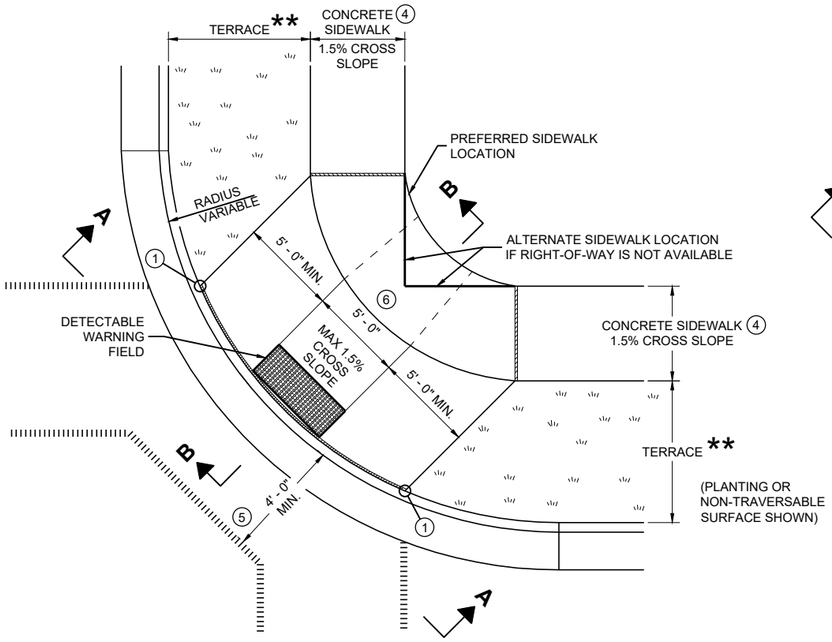
FHWA

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SDD 08D01-23b

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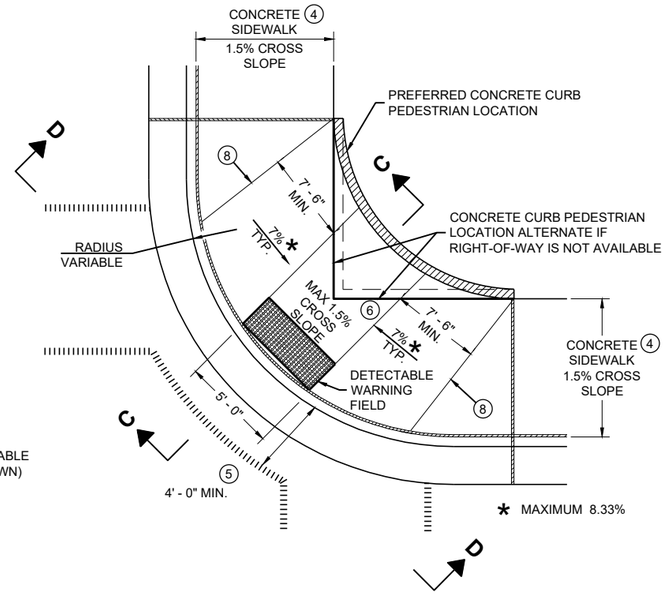
SDD 08D01-23b



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

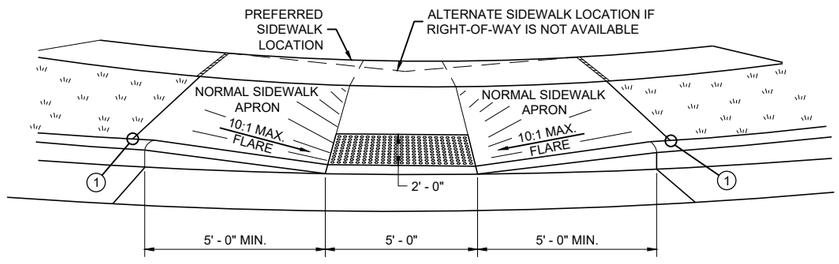
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

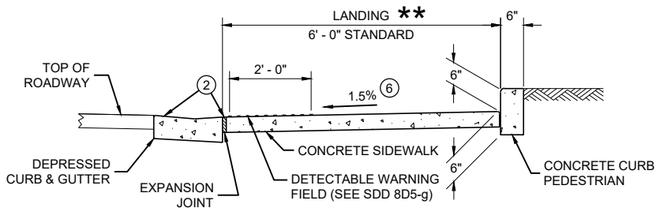
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

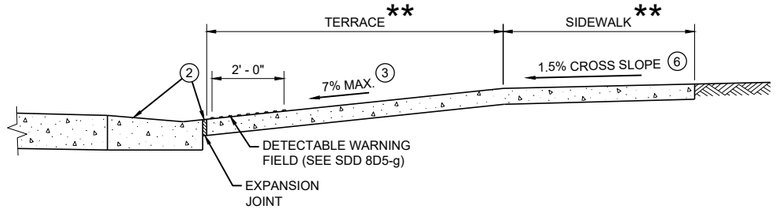


VIEW A - A FOR TYPE 1

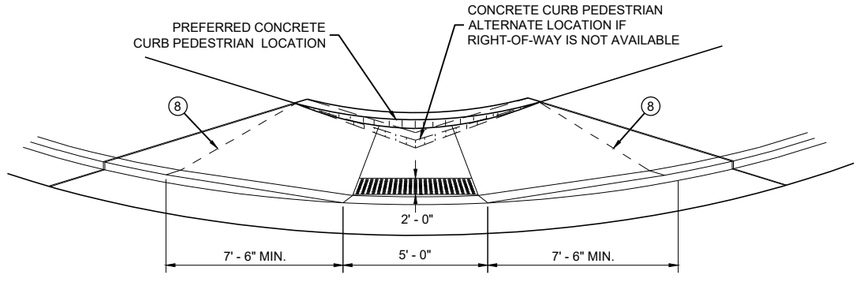


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

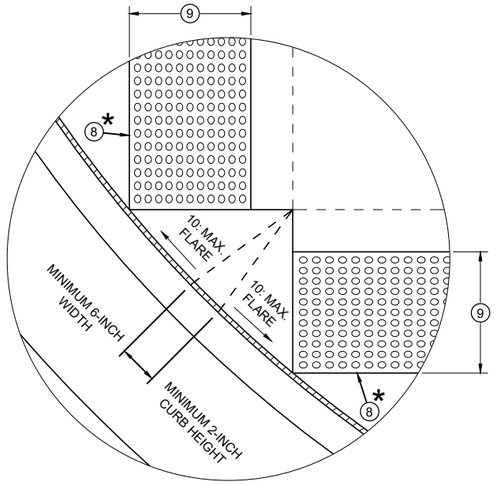
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

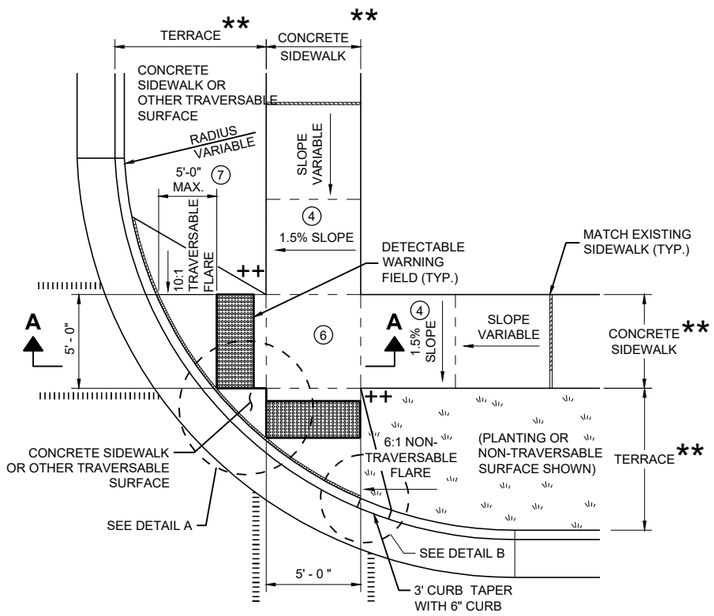
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

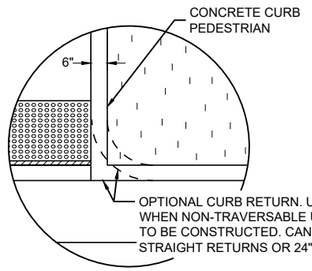
SDD 08D05-21a



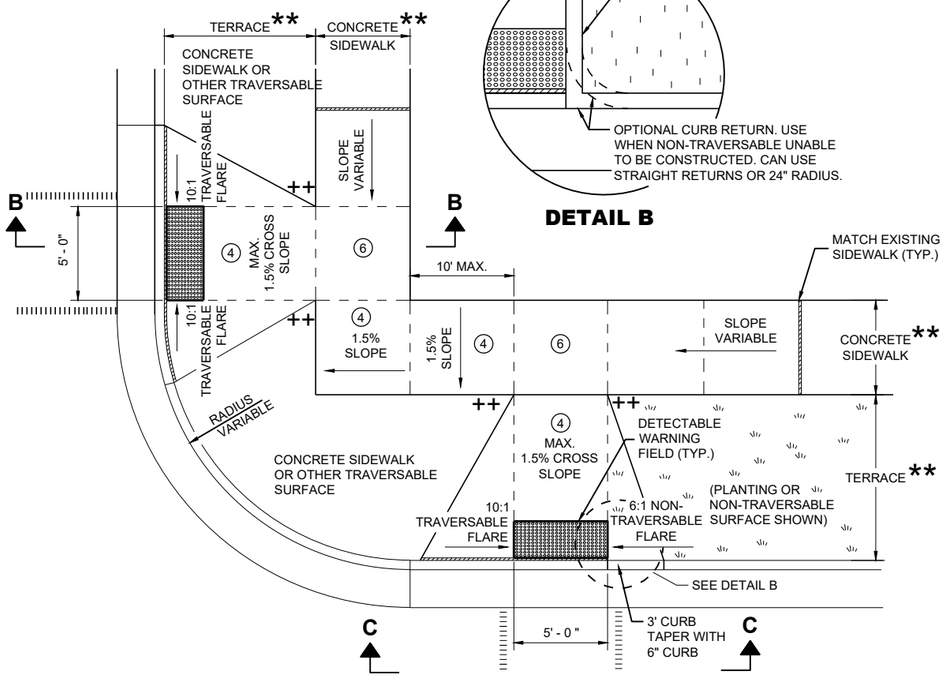
DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

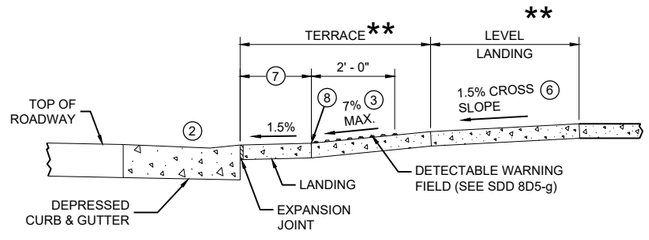
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

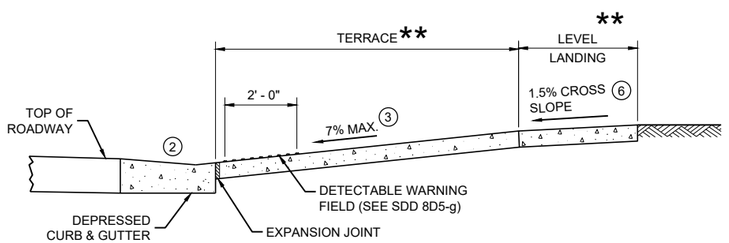


SECTION A - A FOR TYPE 2

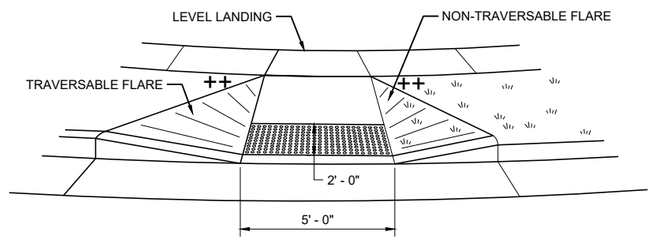
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



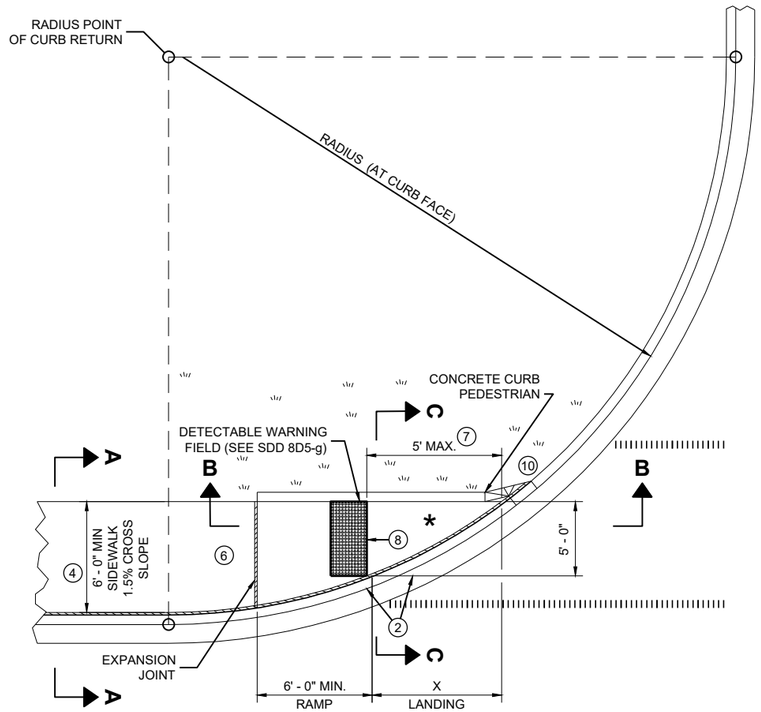
VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

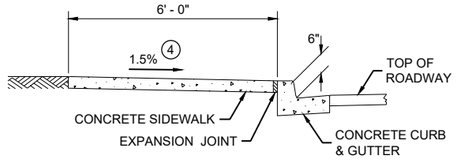


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

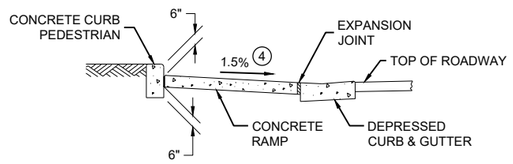
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

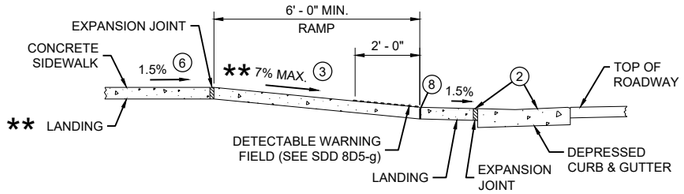
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

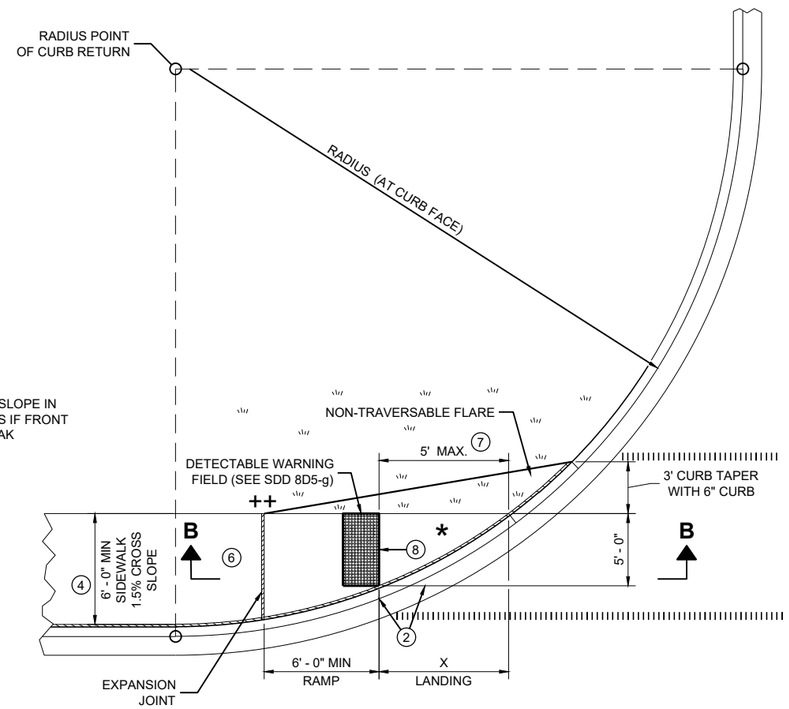


SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

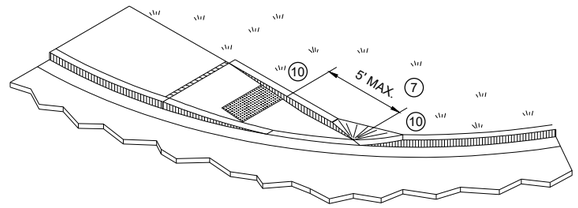
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



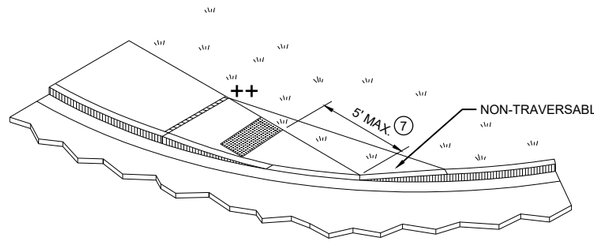
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



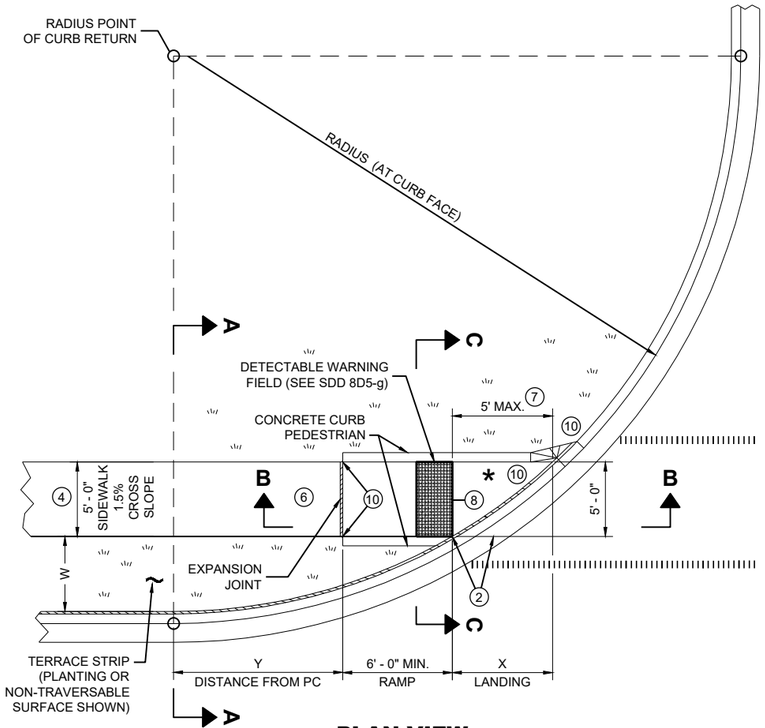
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

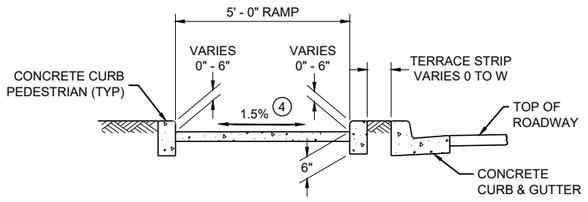
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

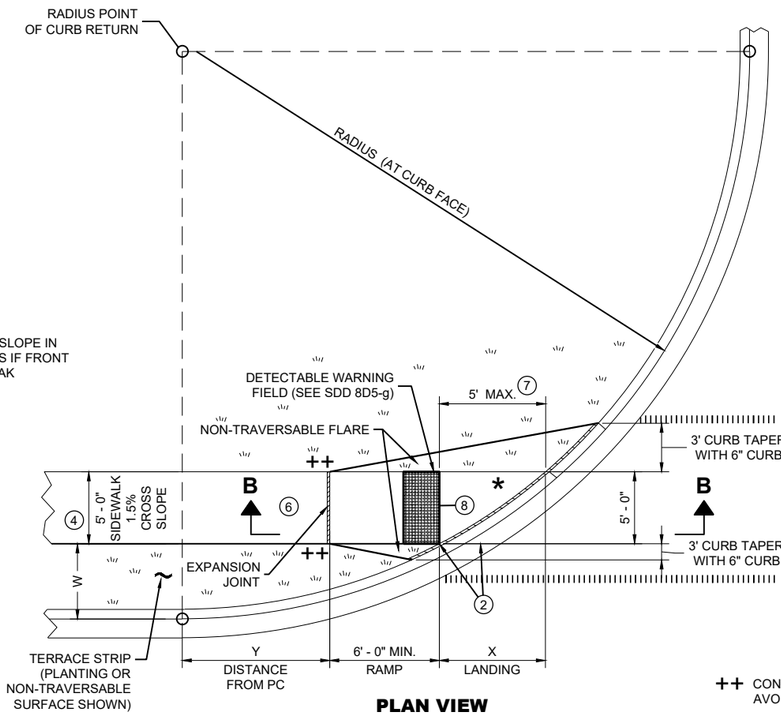
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

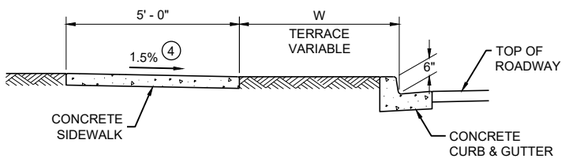
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



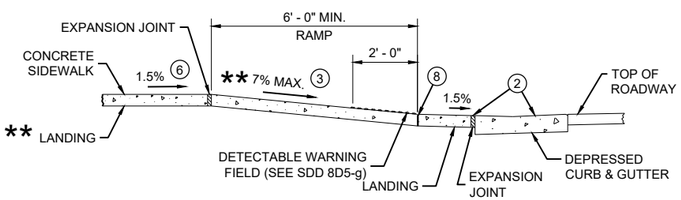
PLAN VIEW
CURB RAMP TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

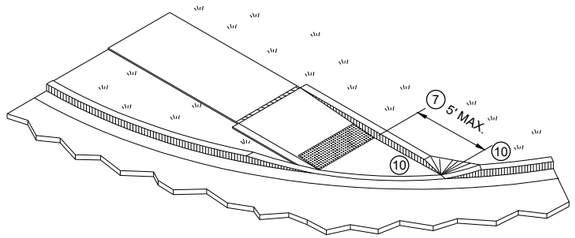


SECTION A - A FOR TYPE 4B

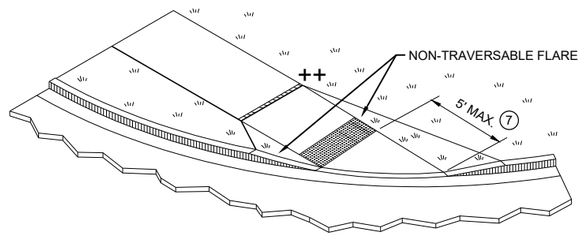


SECTION B - B FOR TYPE 4B AND TYPE 4B1

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



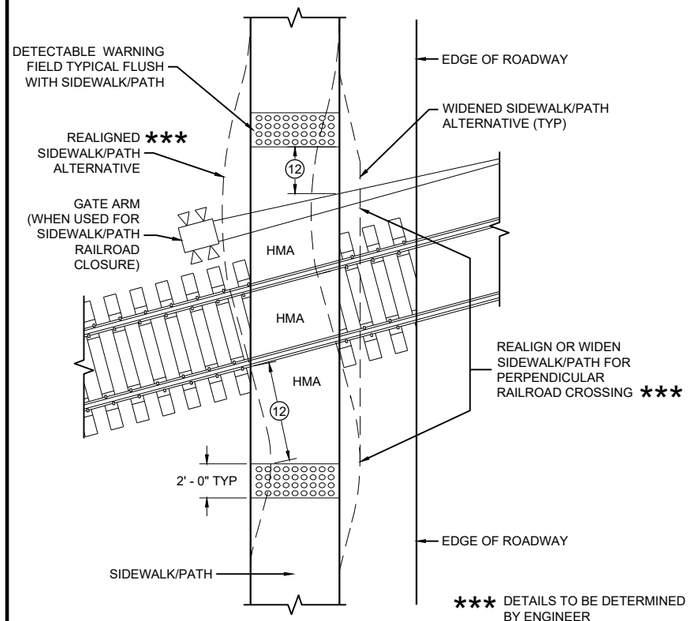
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

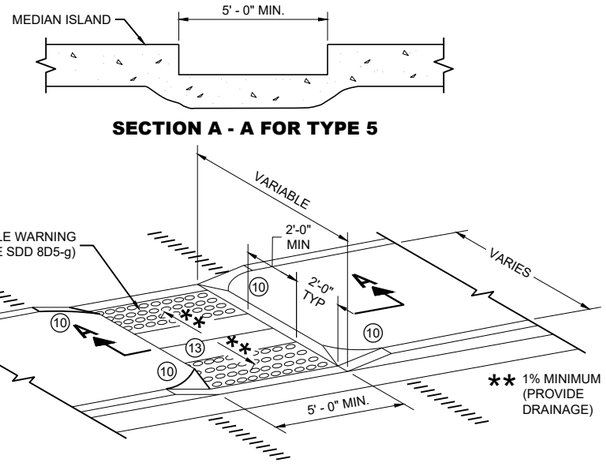
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

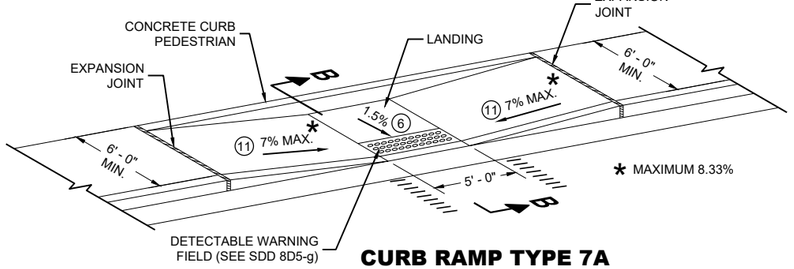
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

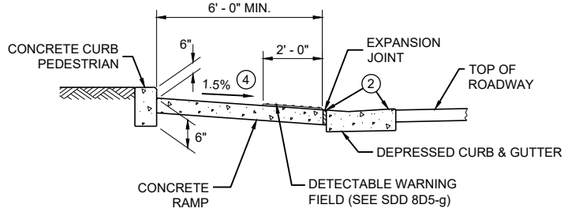
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

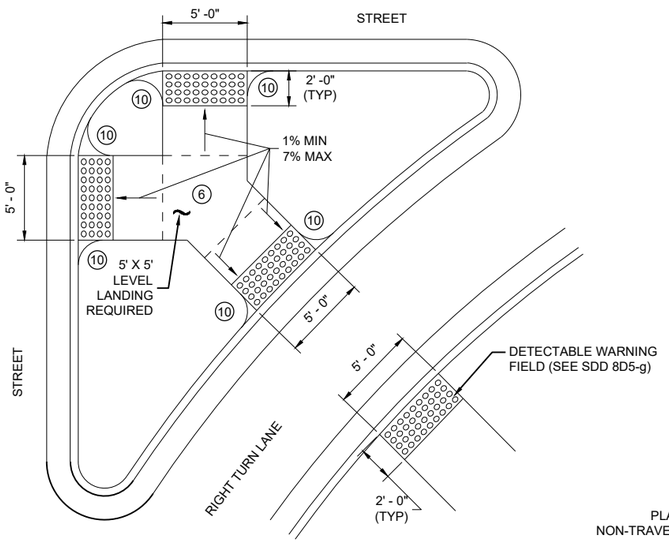


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



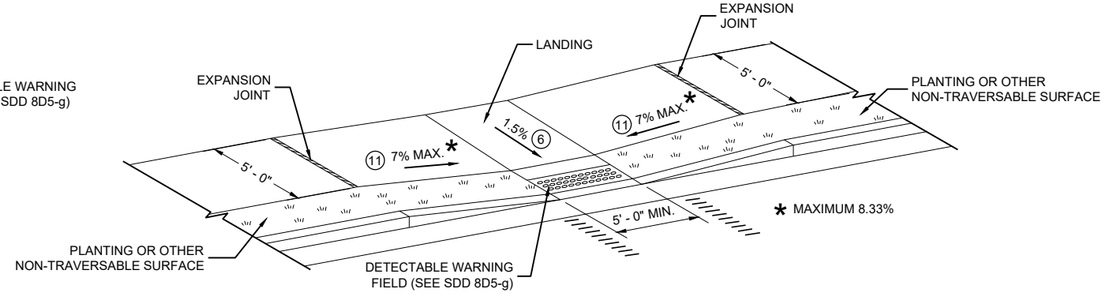
SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7B

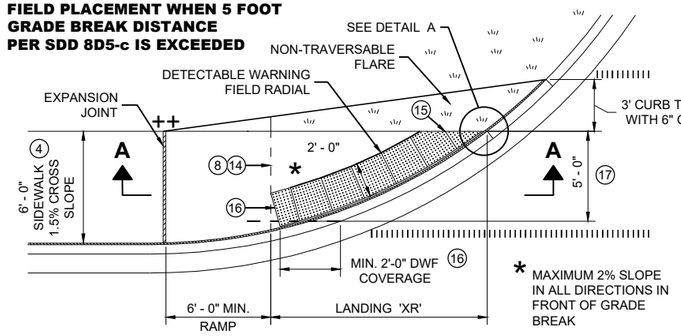
FOR INTERSECTIONS AND MID BLOCK CROSSINGS

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

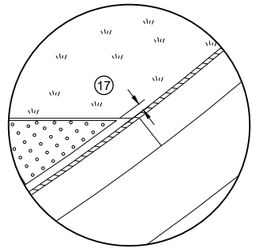
SDD 08D05-21e

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED

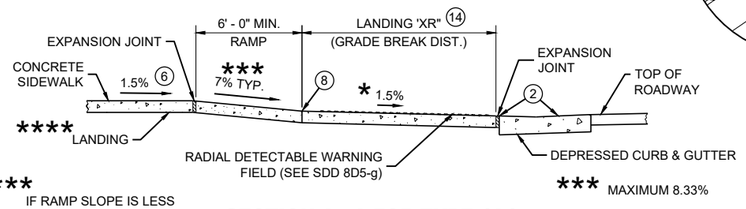


PLAN VIEW

CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

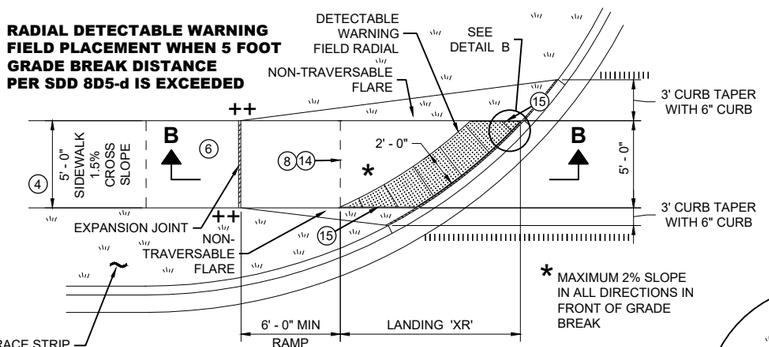
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

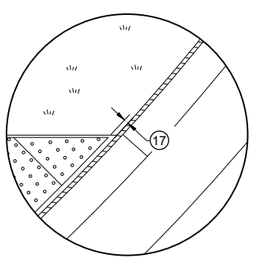
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

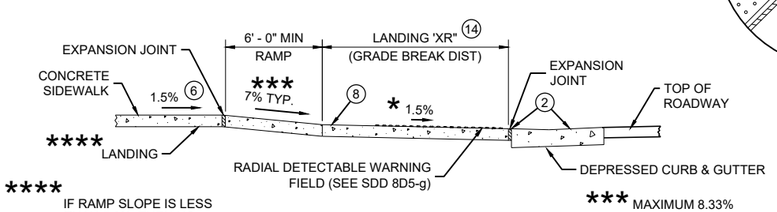


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

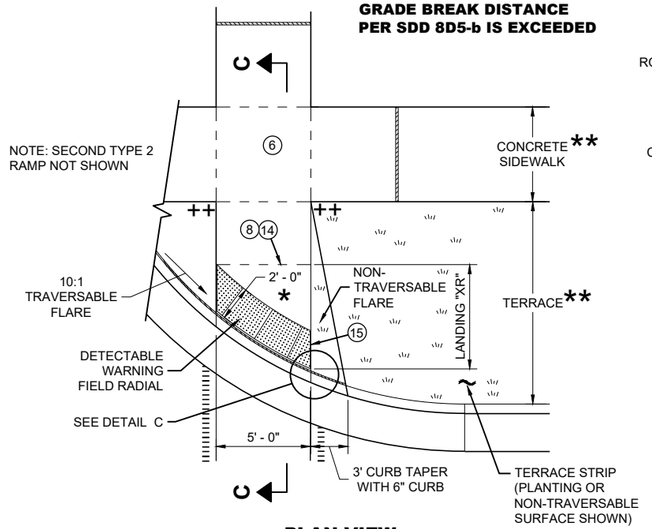


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

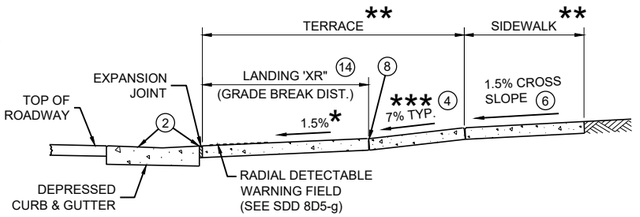
SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

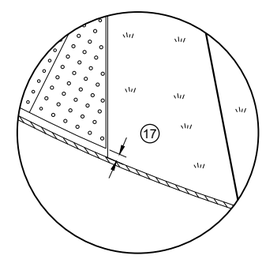


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

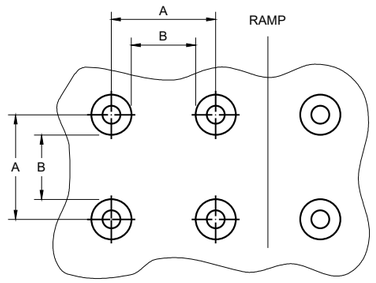
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

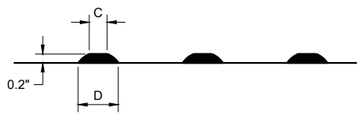
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

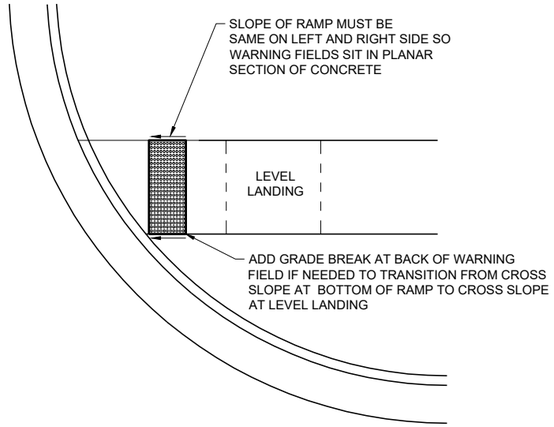
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

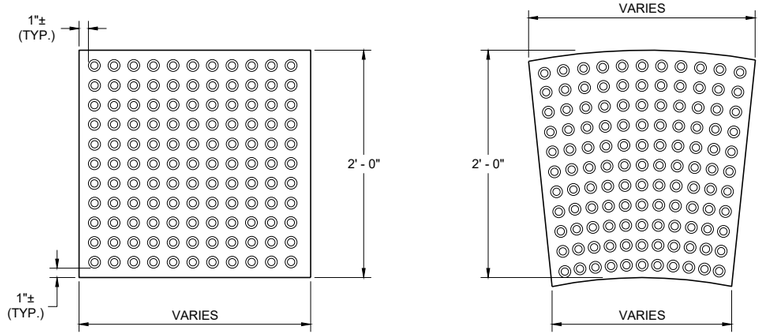
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

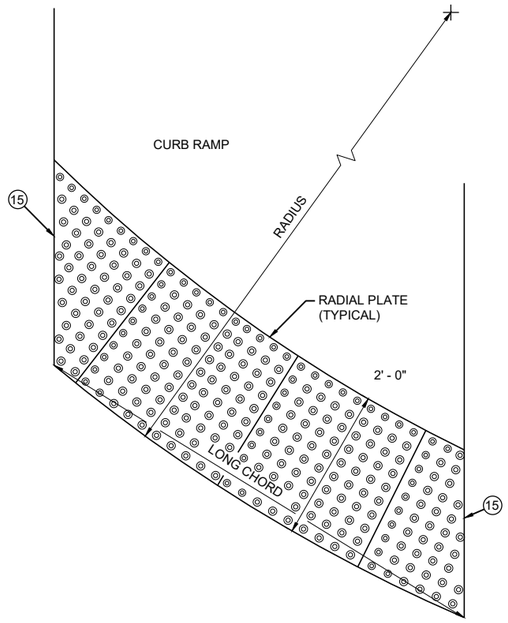
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



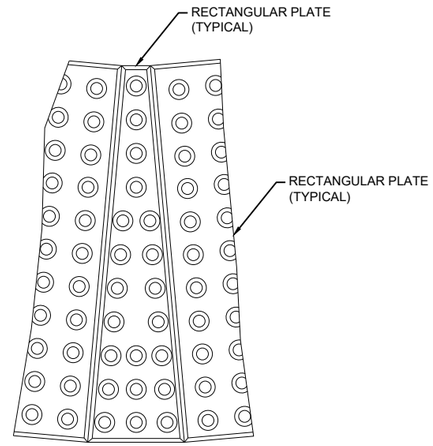
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

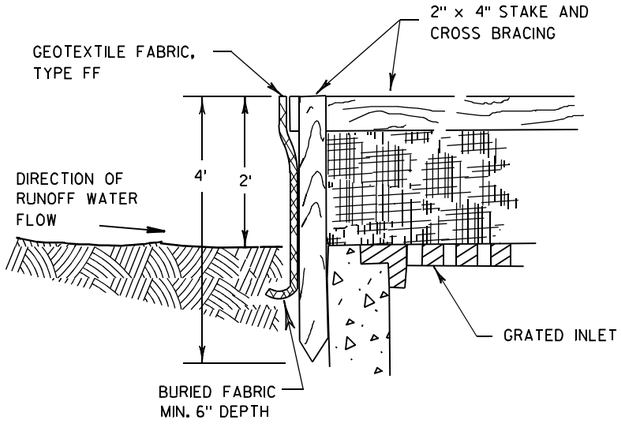
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

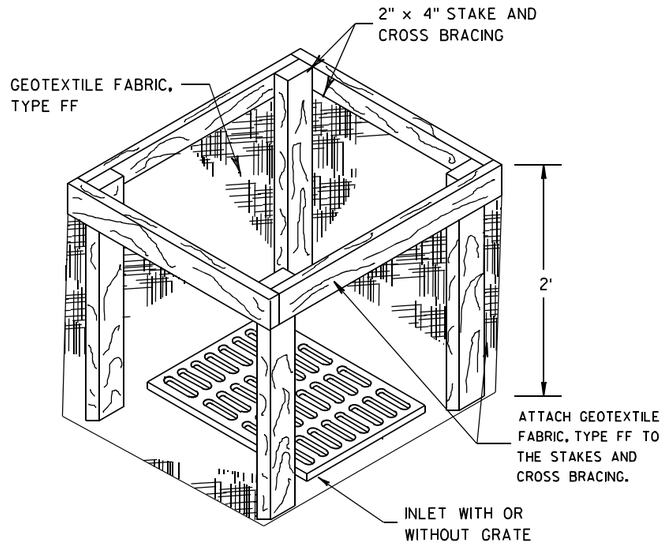
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

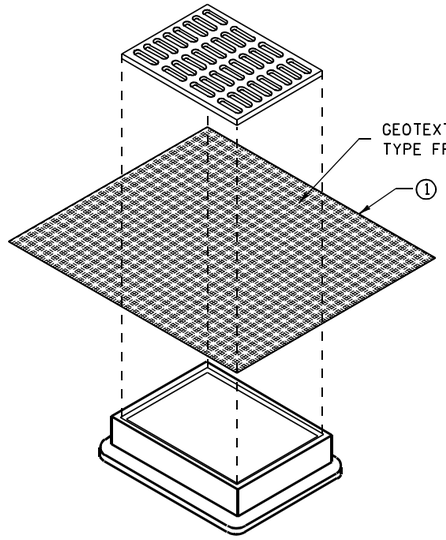
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SDD 08D05-21g



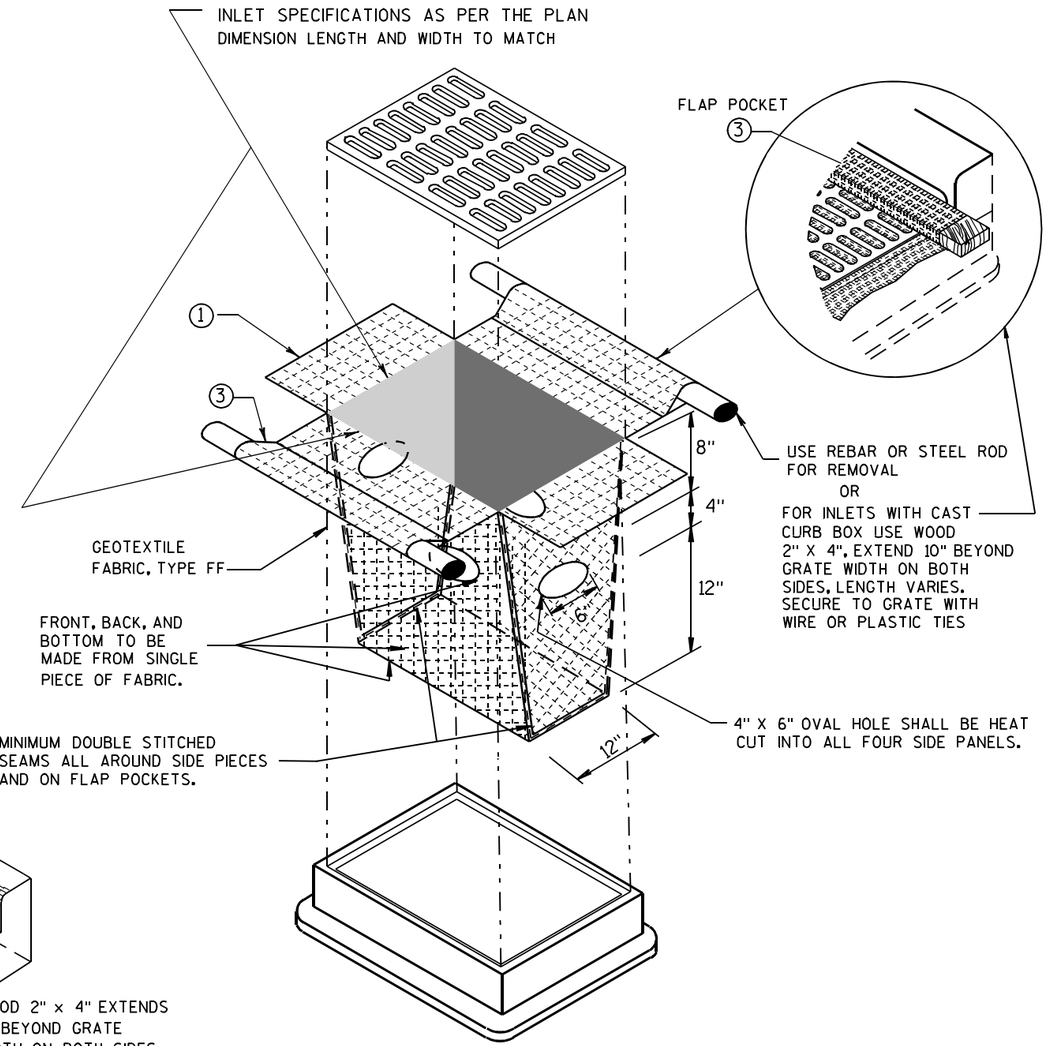


INLET PROTECTION, TYPE A



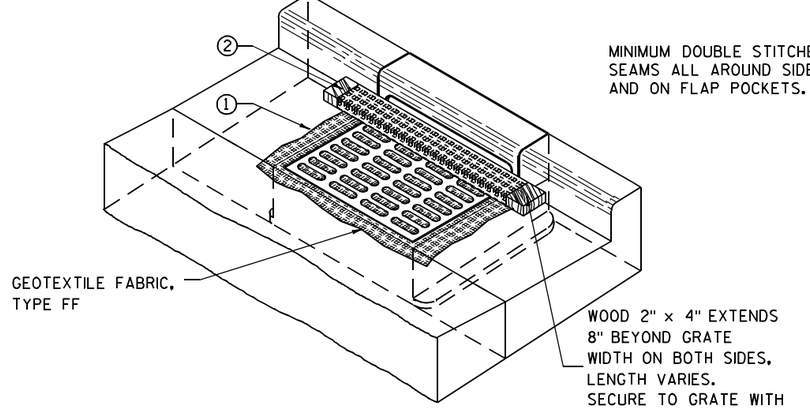
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

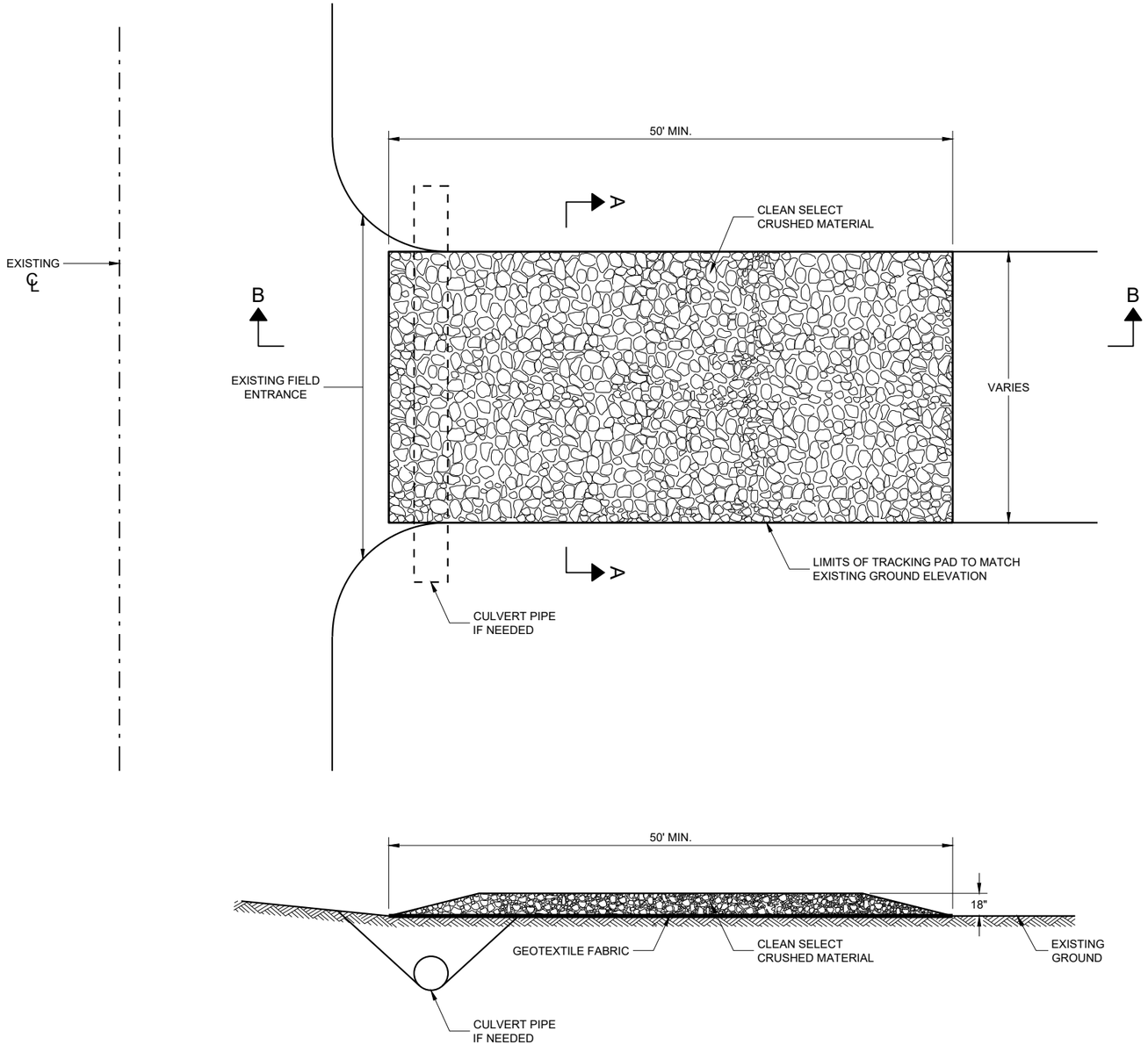
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

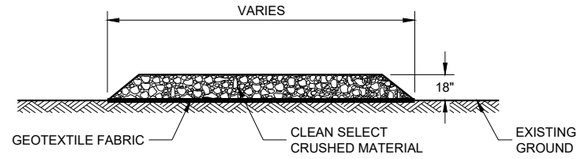
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

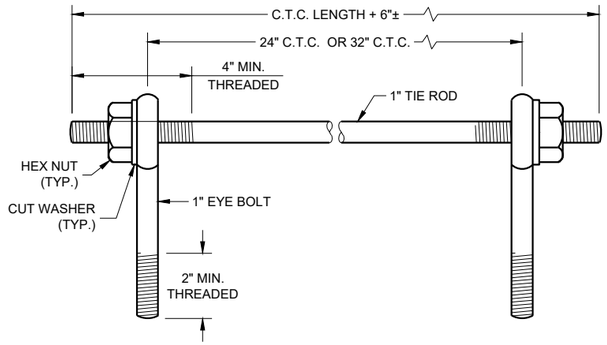
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

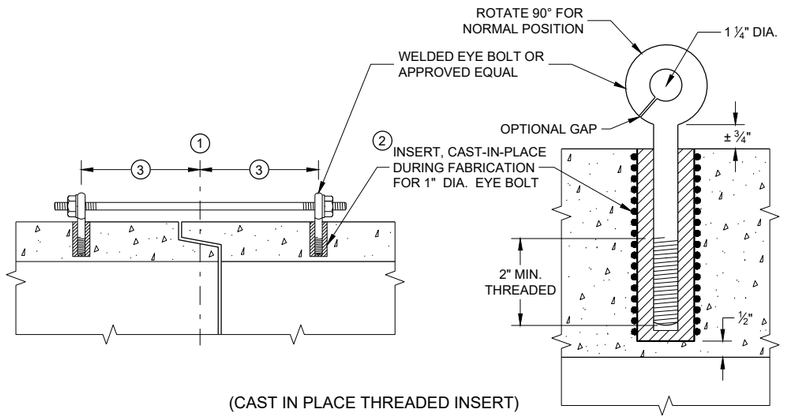
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SDD 08E14 - 01



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

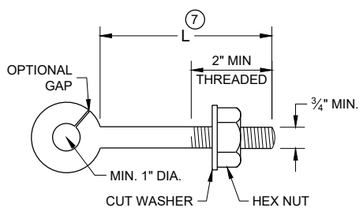
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

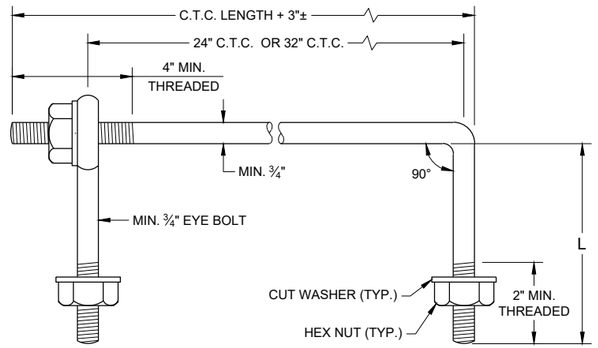
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

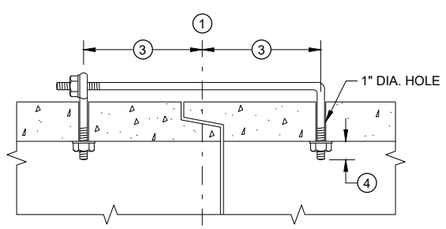


EYE BOLT (7)

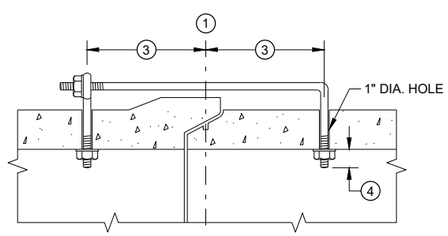
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

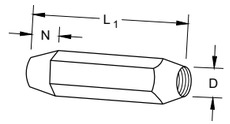
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

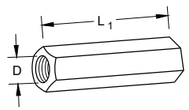
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



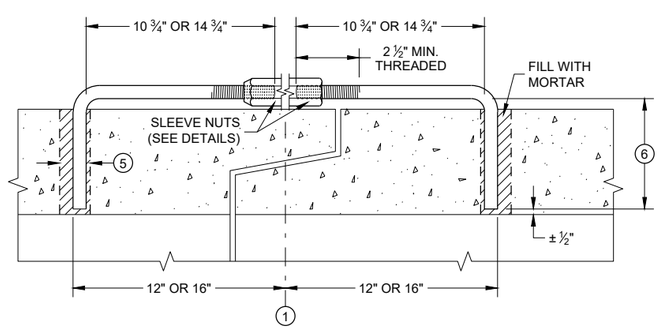
TAPERED



PLAIN

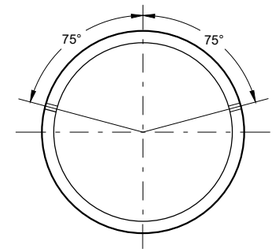
RIGHT AND LEFT THREADS

SLEEVE NUTS



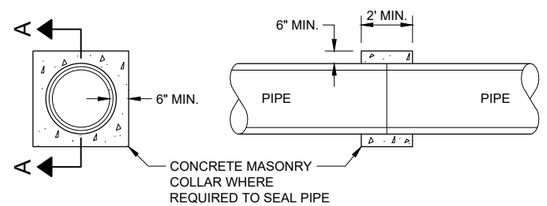
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

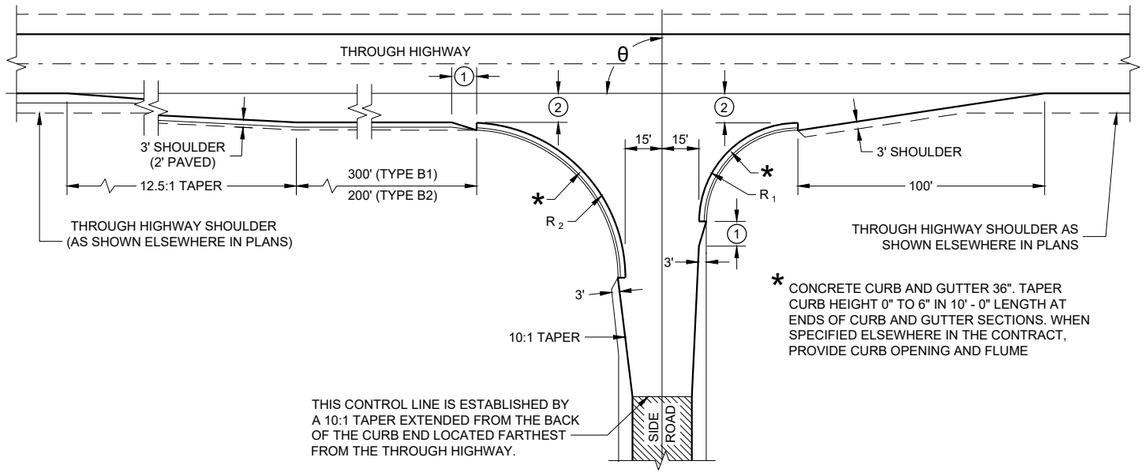
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

SDD 08F04 - 08



* CONCRETE CURB AND GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10' - 0" LENGTH AT ENDS OF CURB AND GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME

TYPE "B1" AND "B2"

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65 - 70	35	70
71 - 80	40	70
81 - 90	40	60
91 - 100	50	55
101 - 110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

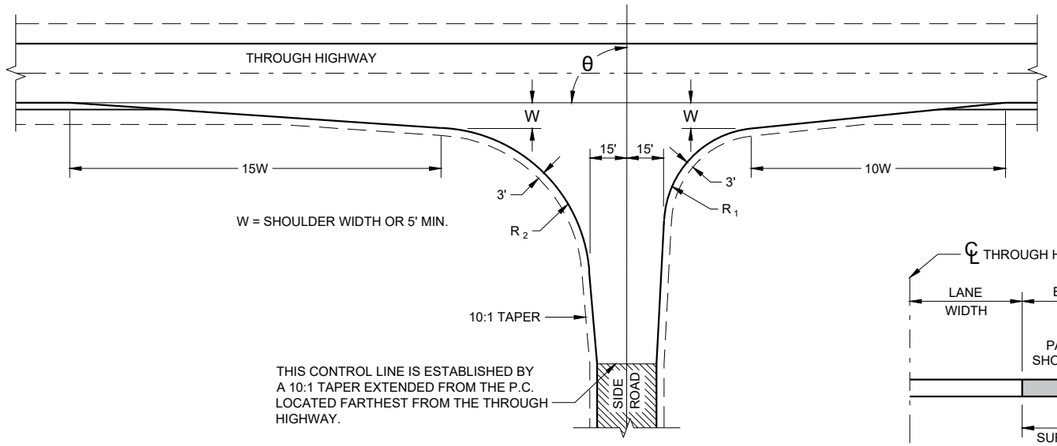
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

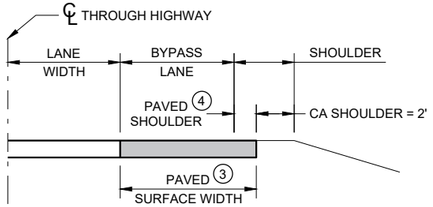
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH
- PC CONCRETE = 13-FT PLUS PAVED SHOULDER WIDTH

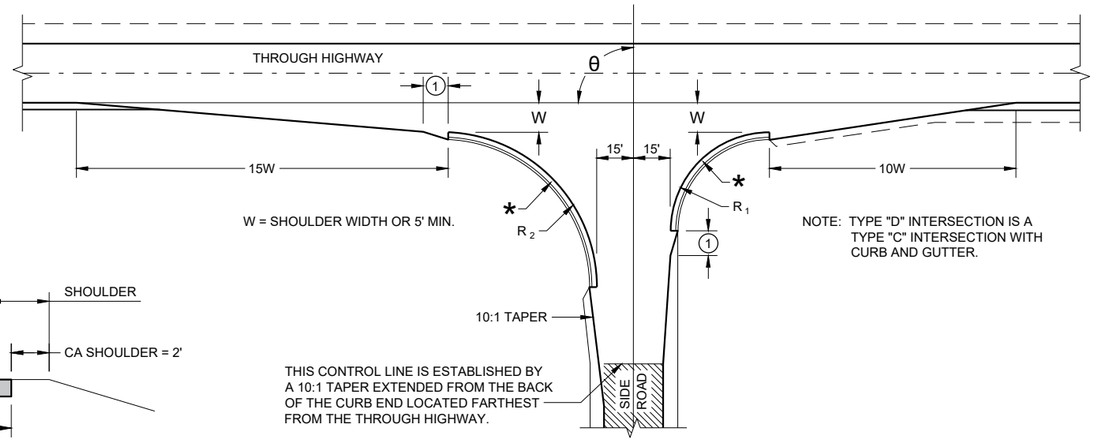
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



TYPE "C"

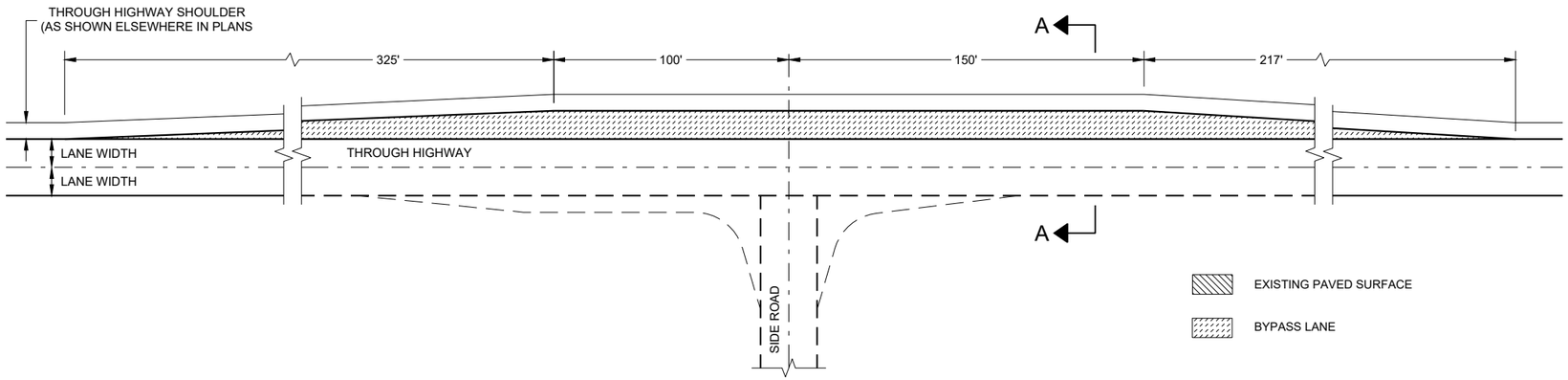


SECTION A - A
(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

AT GRADE SIDE ROAD INTERSECTION TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE

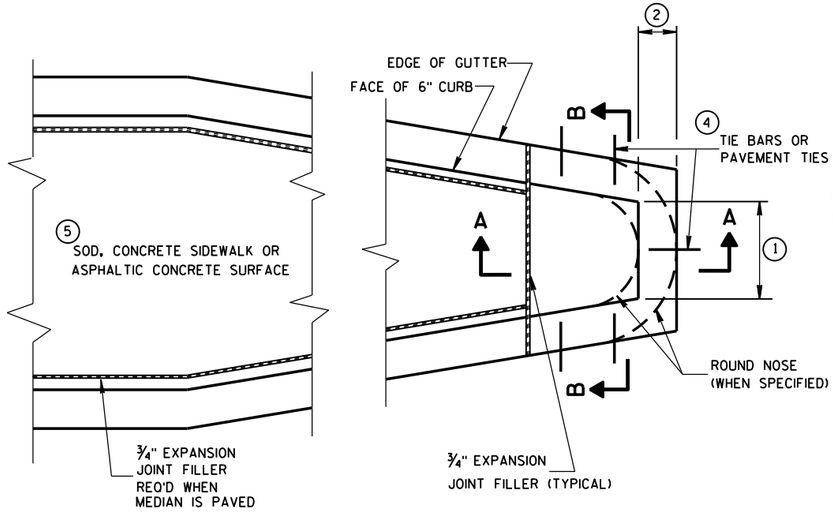
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

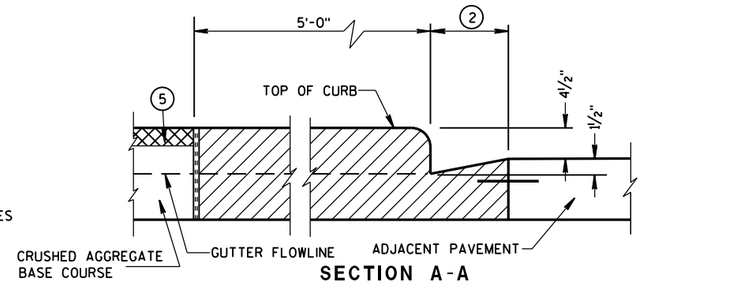
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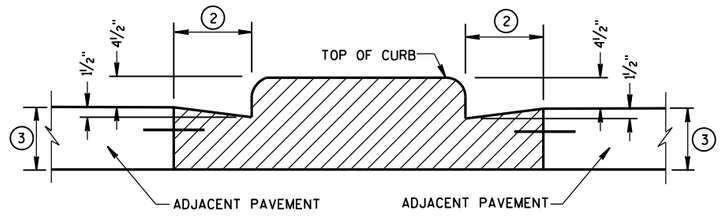
SDD 09A01 - 14a

6

SDD 09A01 - 14a







CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

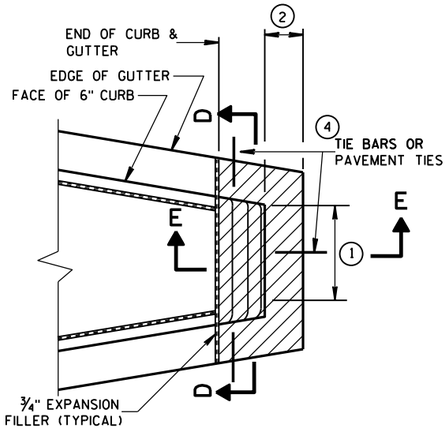
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

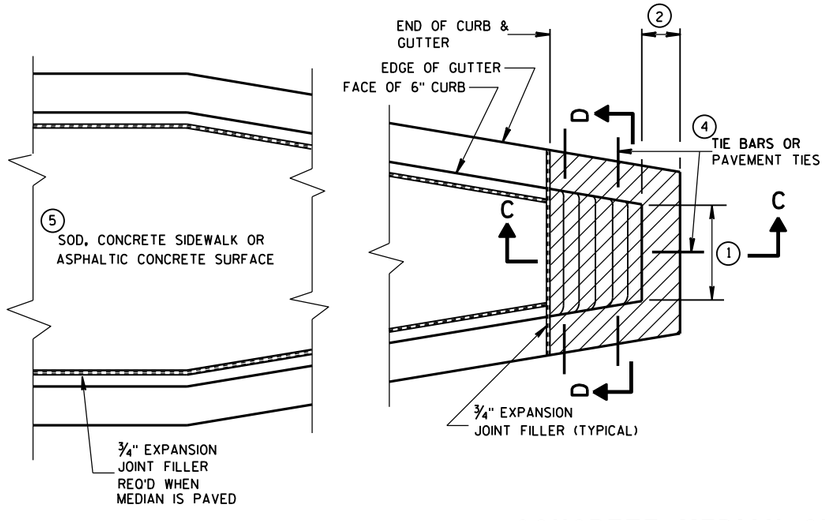
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

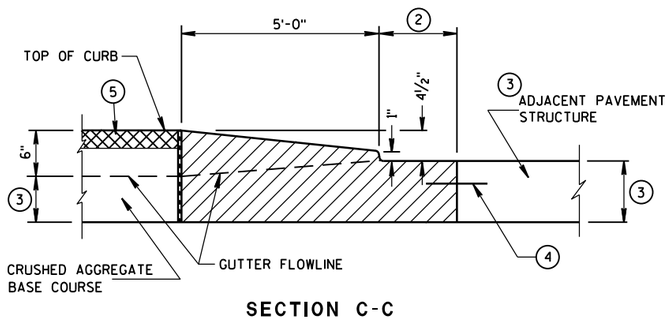
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

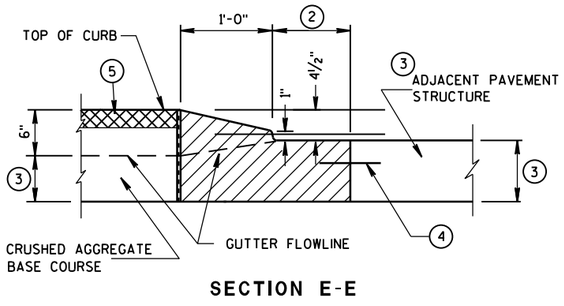
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



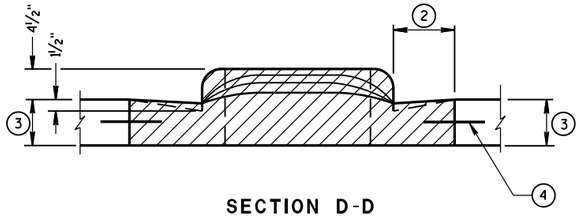




CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN SLOPED NOSE TYPE 2



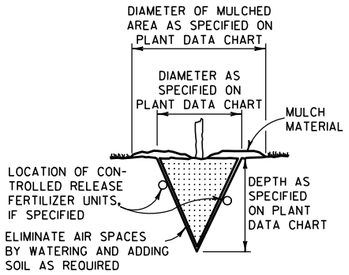
CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

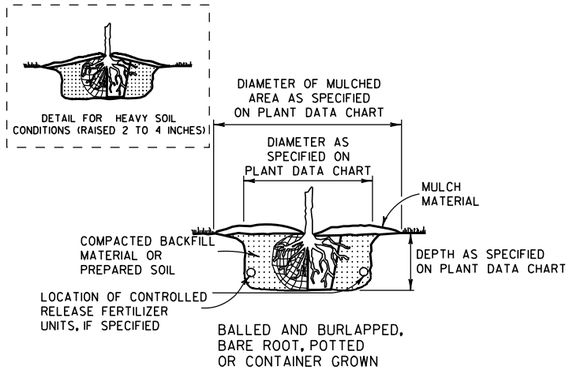
APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

S.D.D. 11 B 2-2

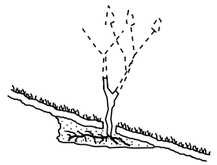
S.D.D. 11 B 2-2



MACHINE MOVED

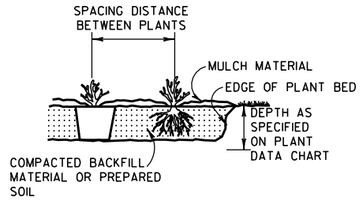


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



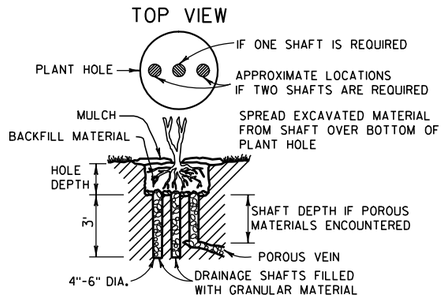
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



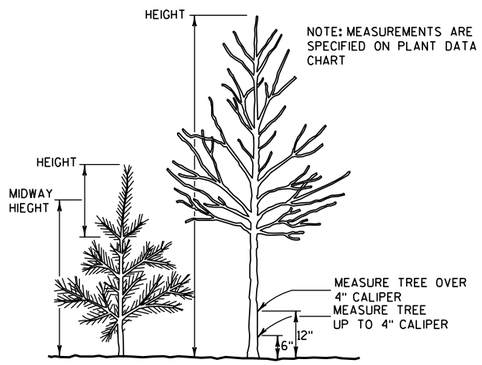
PREPARED BED (BARE ROOT AND POTTED)

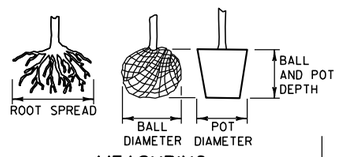
PLANTING



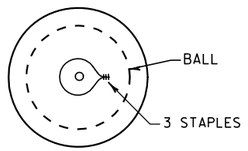
NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

DRAINING

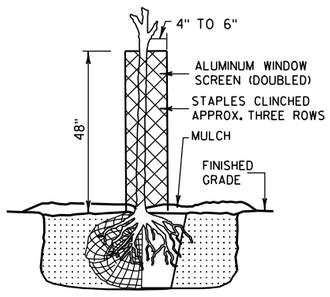




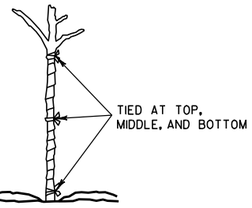
MEASURING



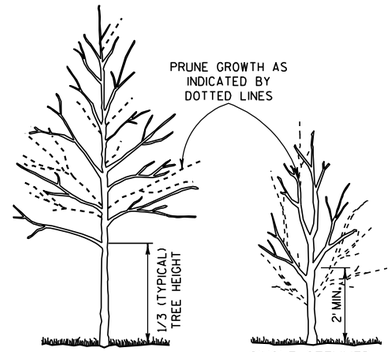
TOP VIEW



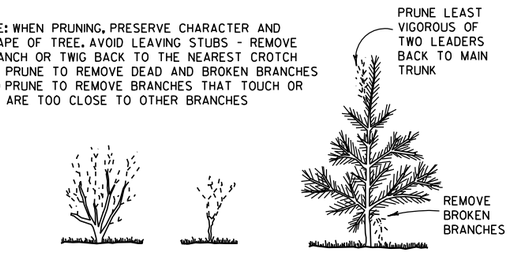
RODENT PROTECTION



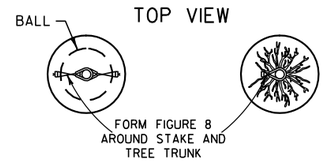
WRAPPING

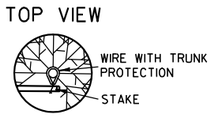


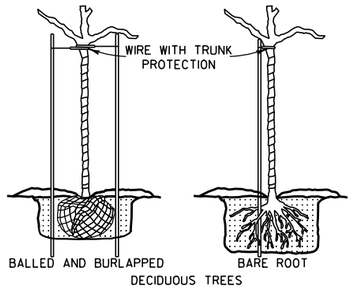
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

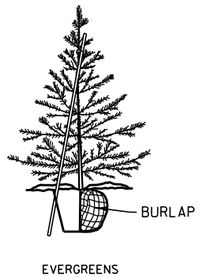


PRUNING



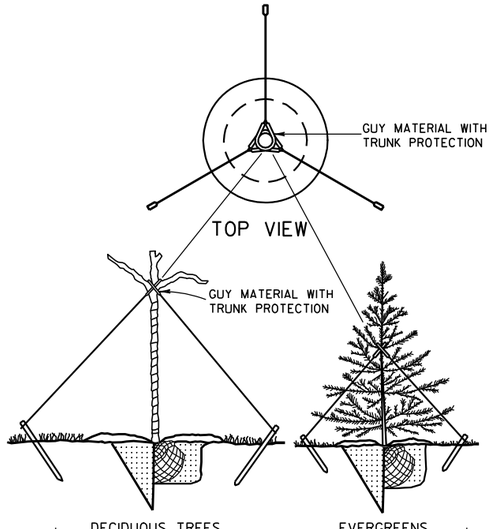




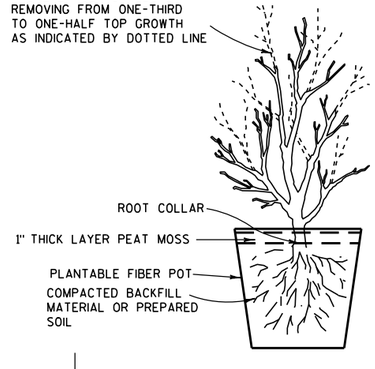


NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING



POTTING

NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

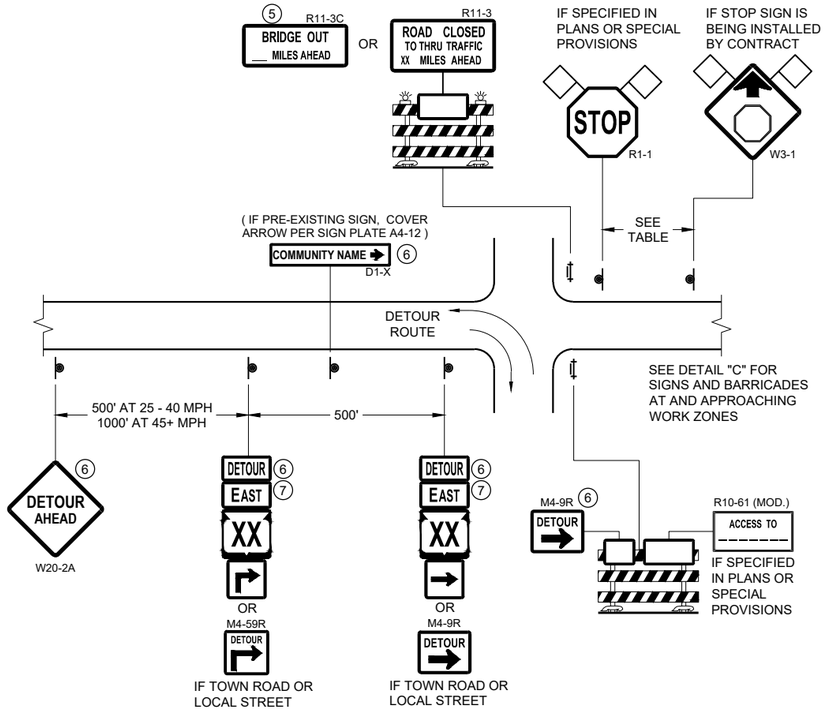
TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94
DATE
/S/ Rory L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

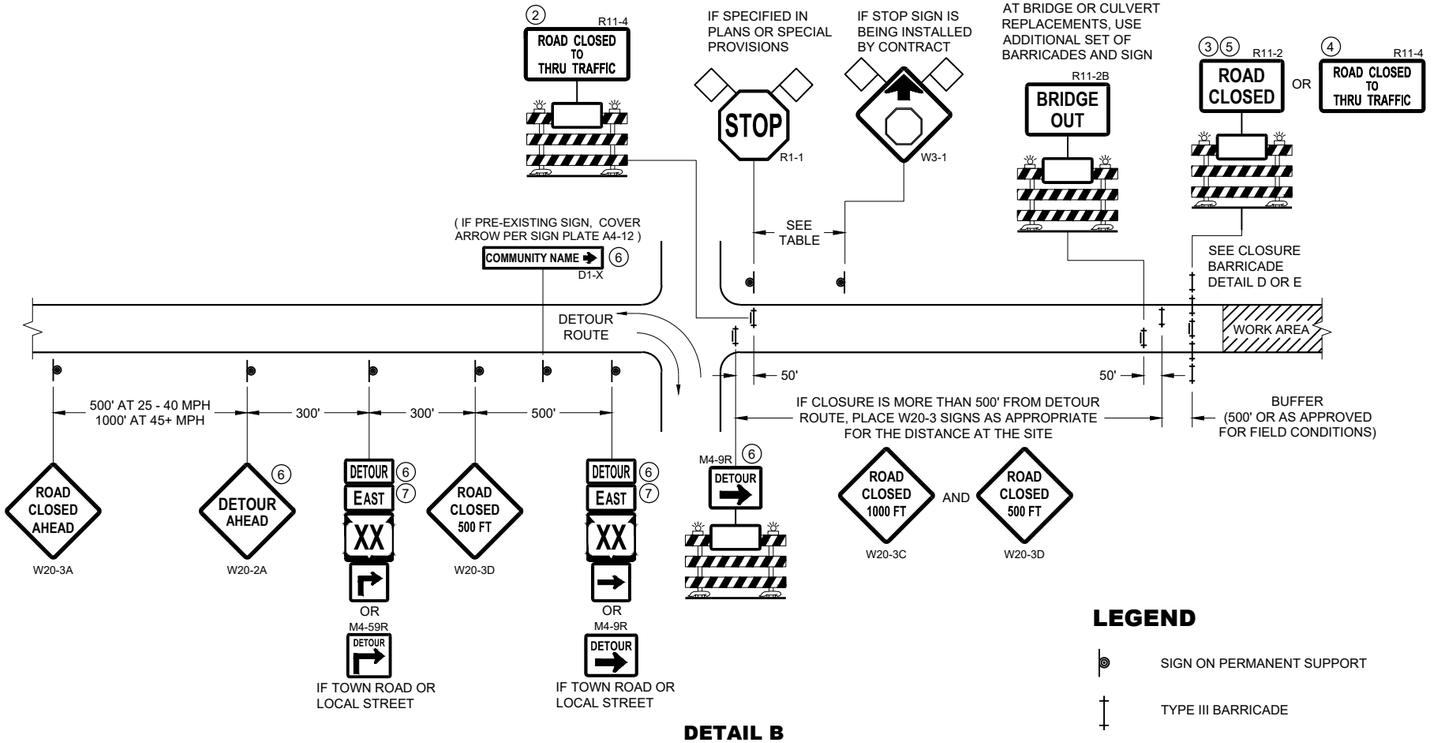
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S.D.D. 14 A 2-1



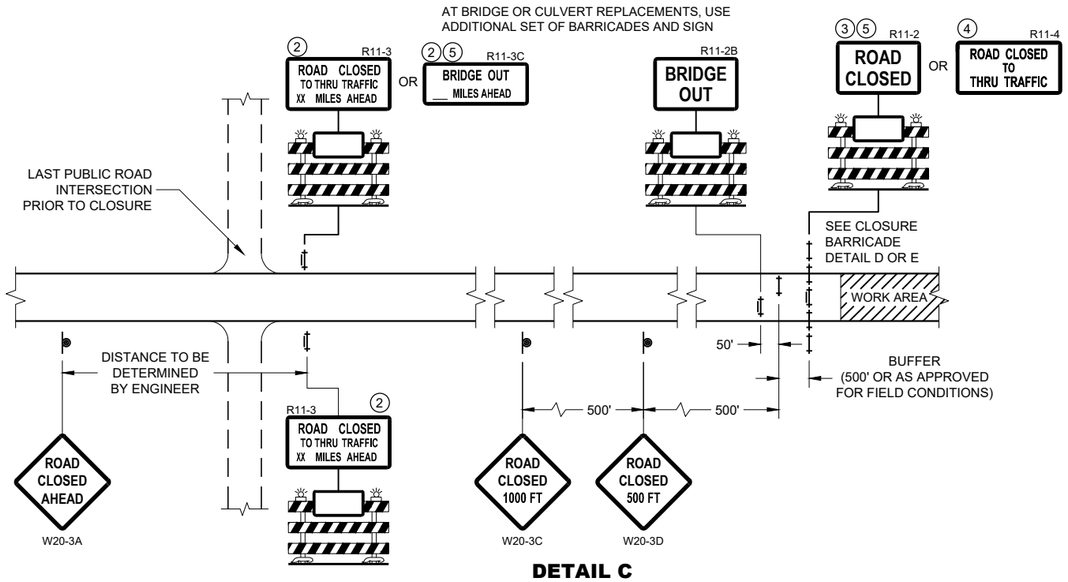
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

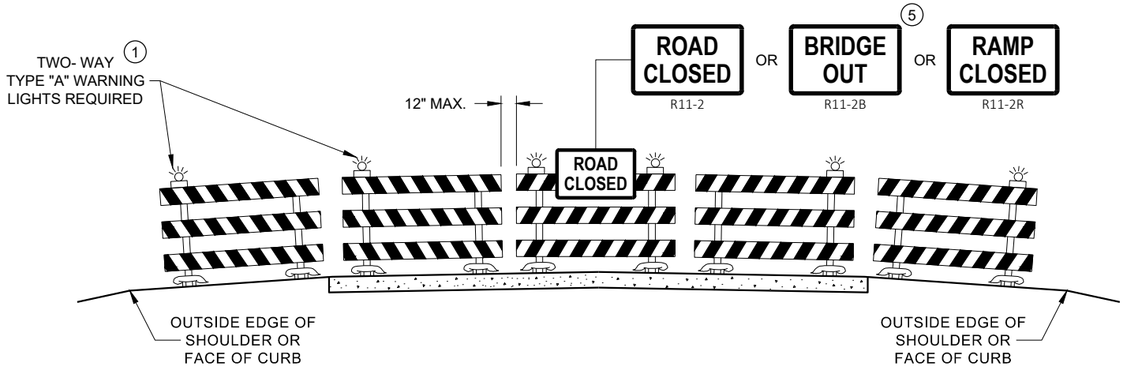
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

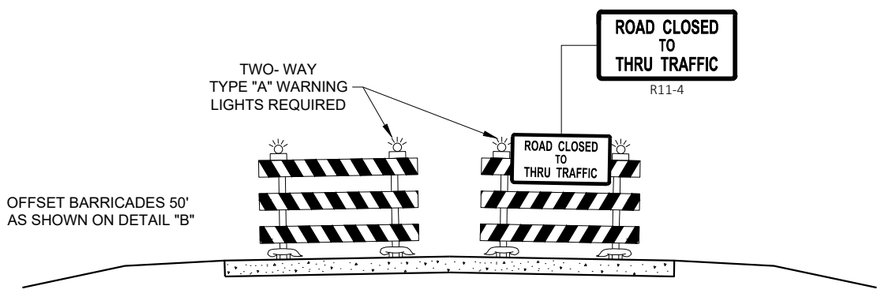
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SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

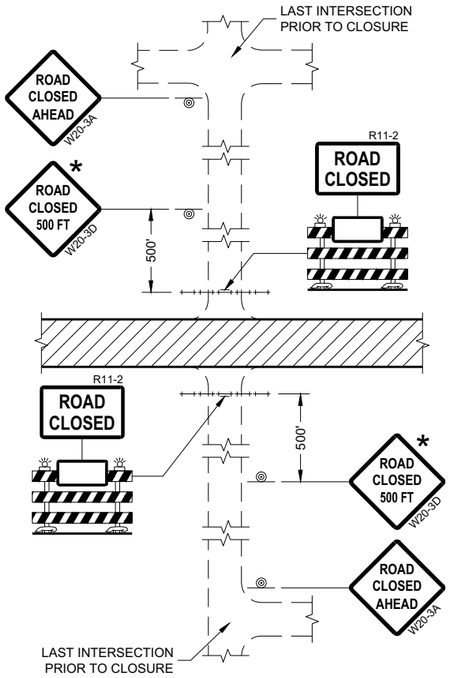
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

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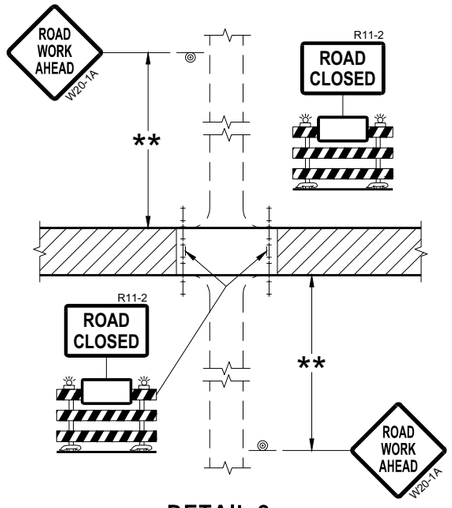
SDD 15C02 - 09b

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SDD 15C02 - 09b



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

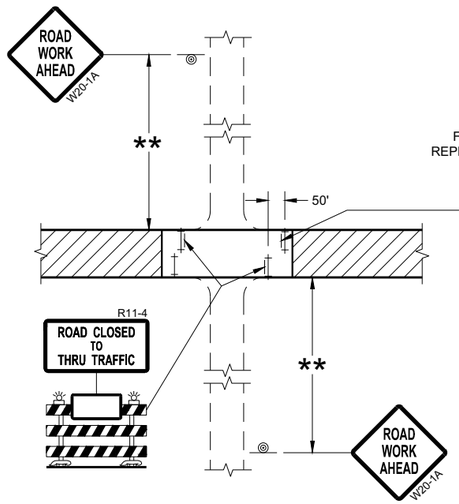
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

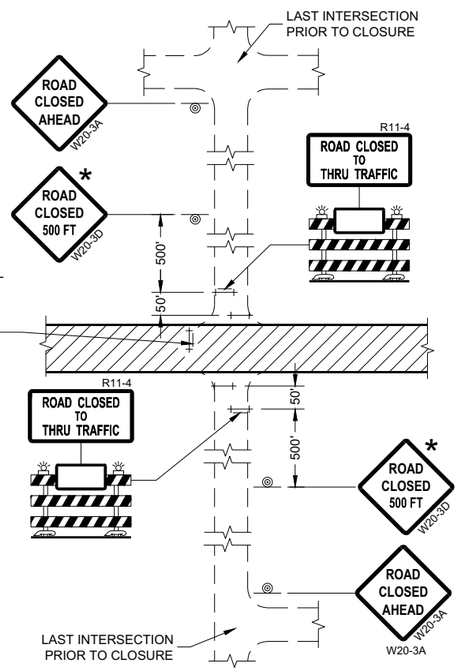
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C03 - 05

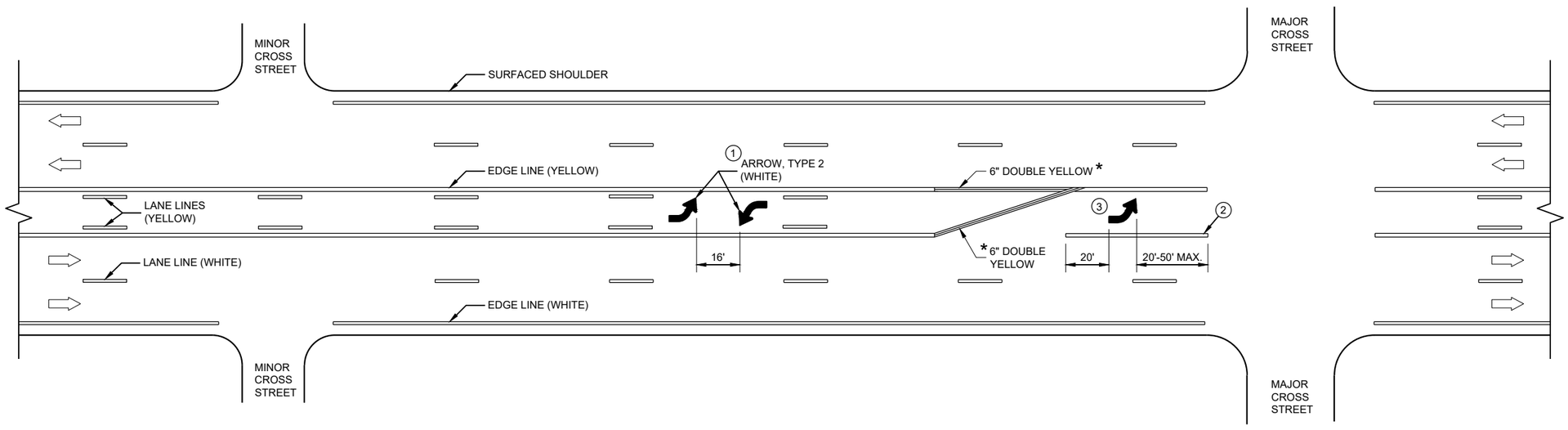
SDD 15C03 - 05

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY LEFT TURN LANE

6

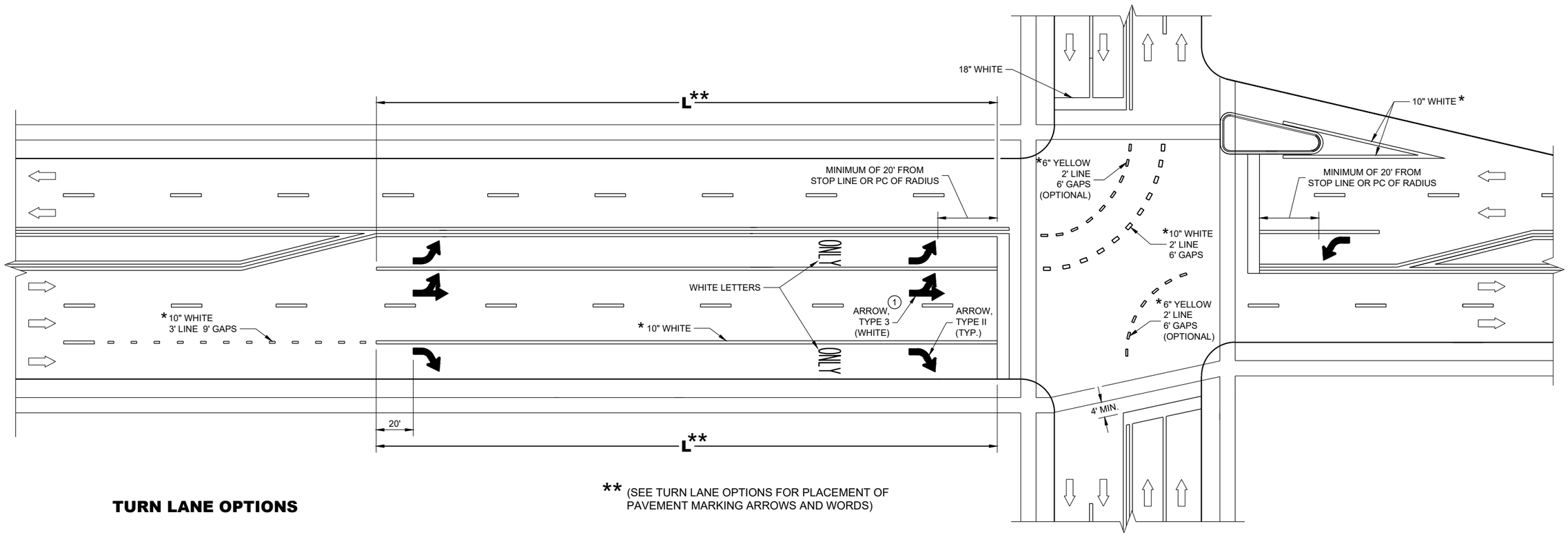
SDD 15C08-23c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 177

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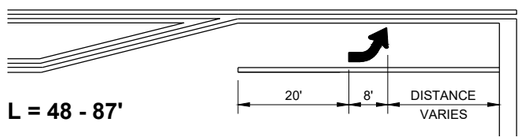
SDD 15C08-23c



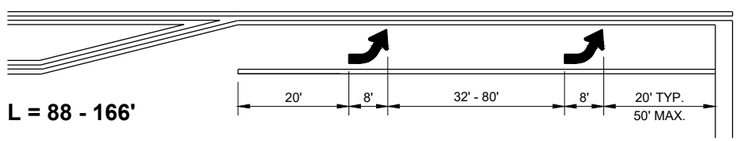
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

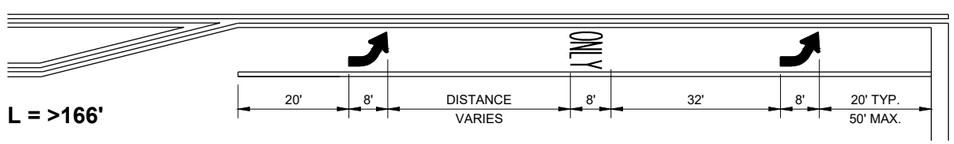
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

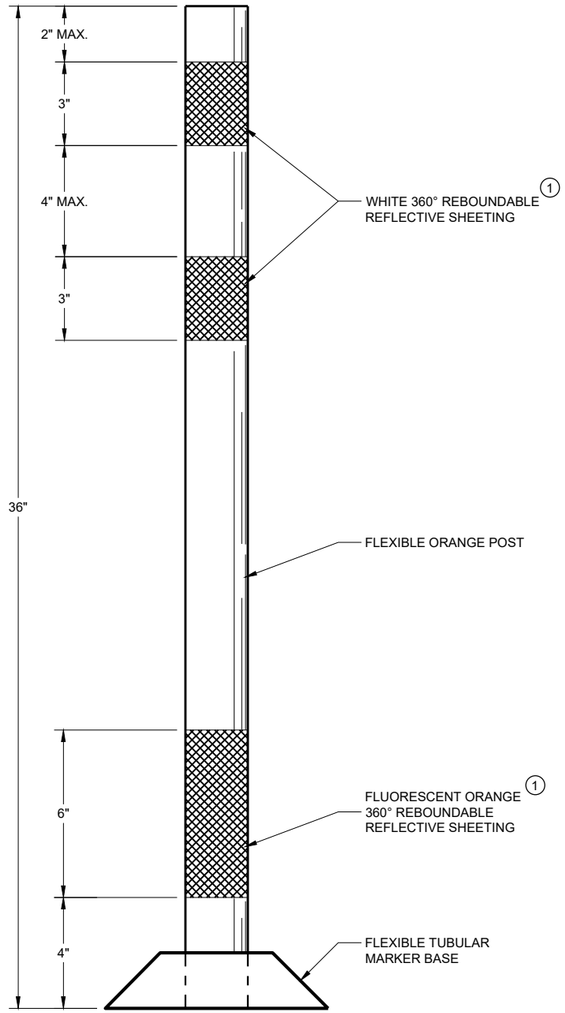
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08-23d



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

SDD 15C11 - 10a

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

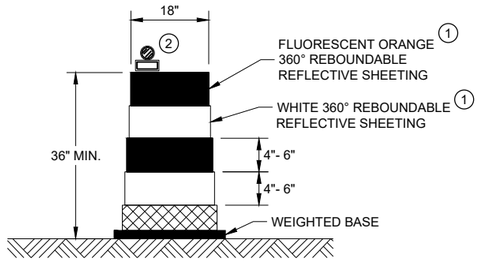
FHWA

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SDD 15C11 - 10a

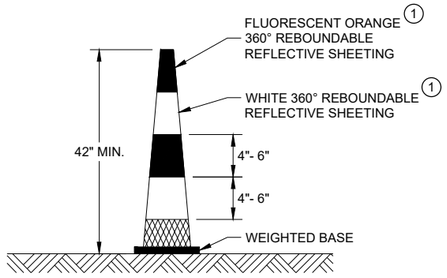
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

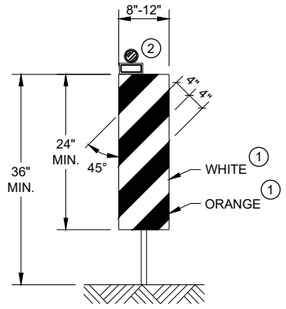
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

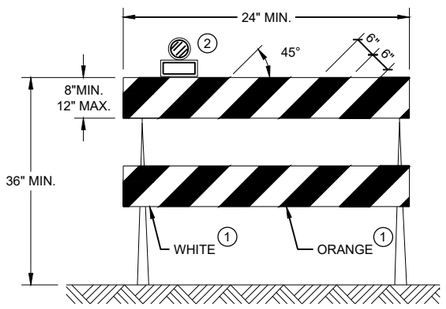
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



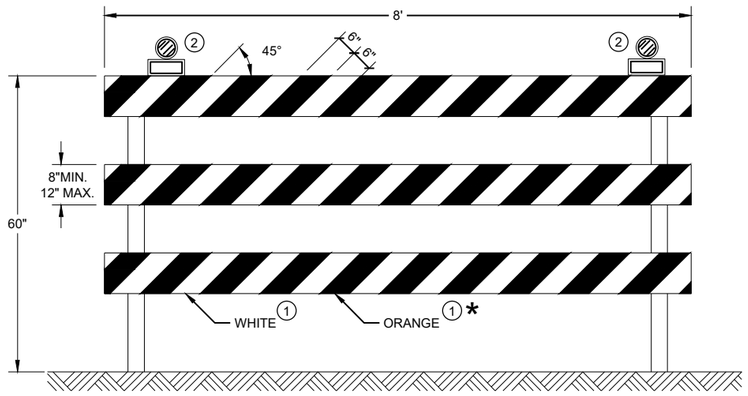
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

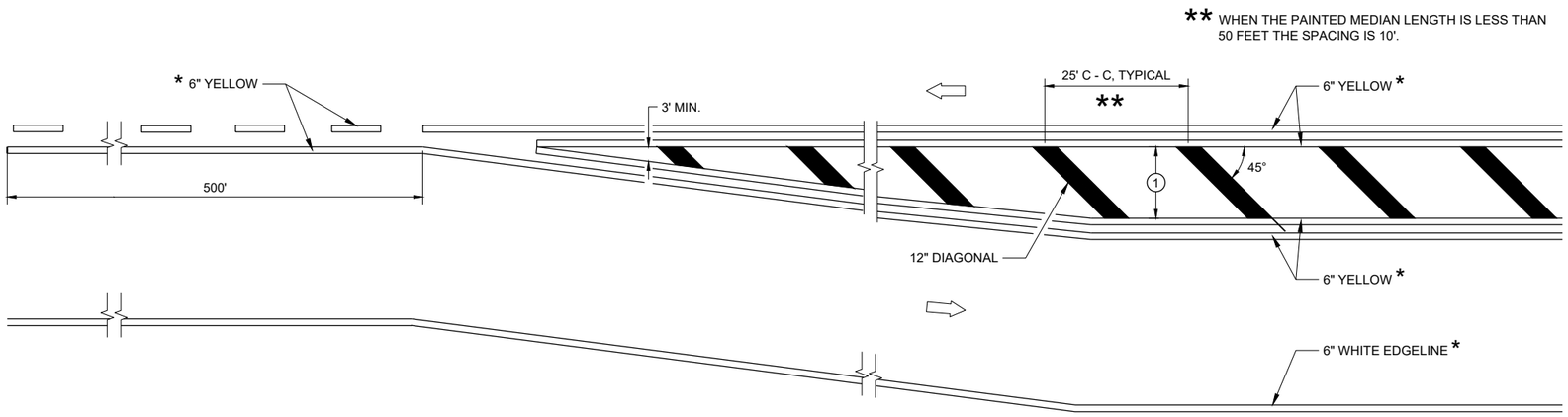
APPROVED
November 2022
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C11 - 10b

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SDD 15C11 - 10b



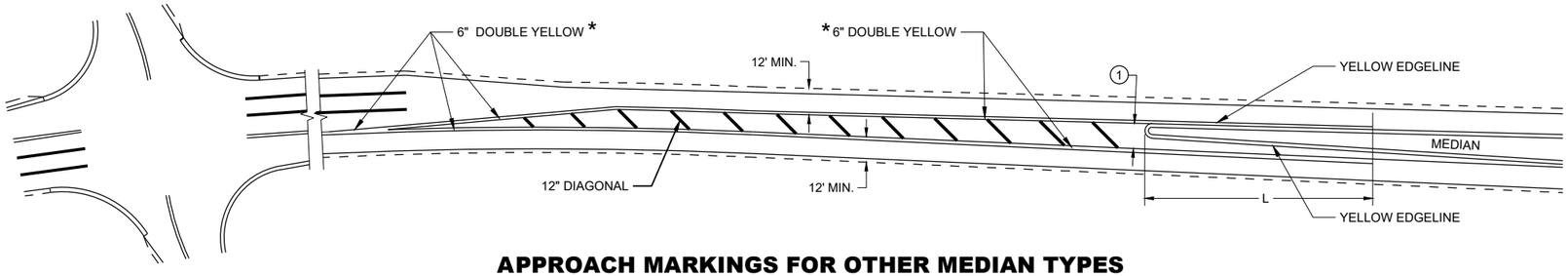
MEDIAN ISLAND DETAIL

GENERAL NOTES

1. DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

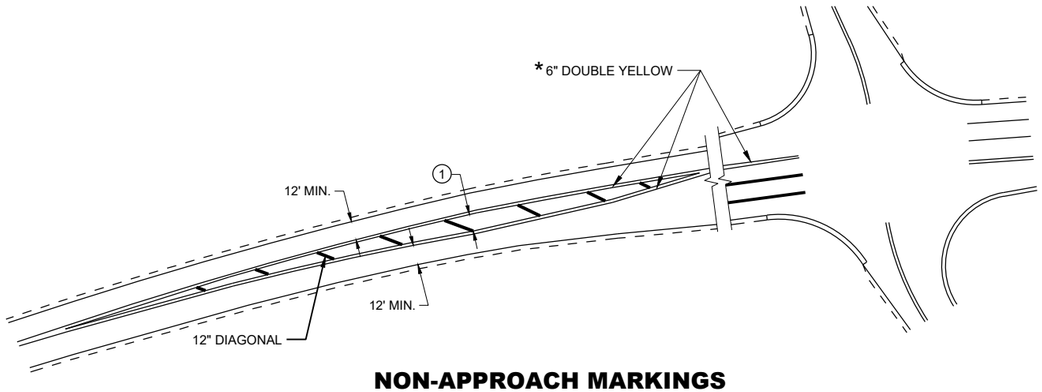
DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'



NON-APPROACH MARKINGS

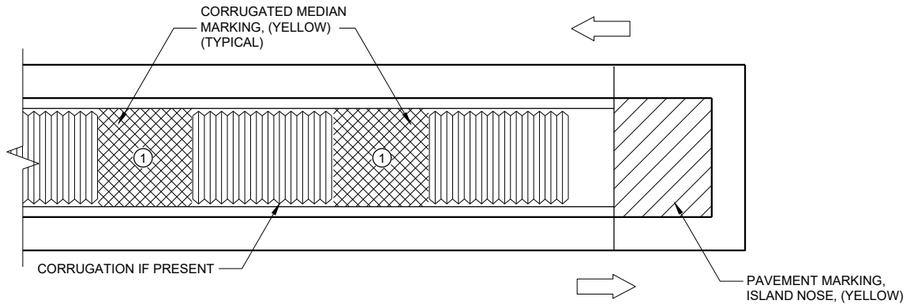
MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

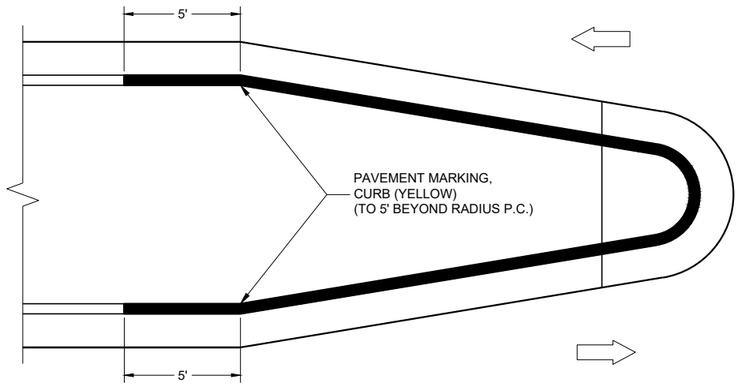
APPROVED
May 2023 — DATE
/S/ Jeannie Silver — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

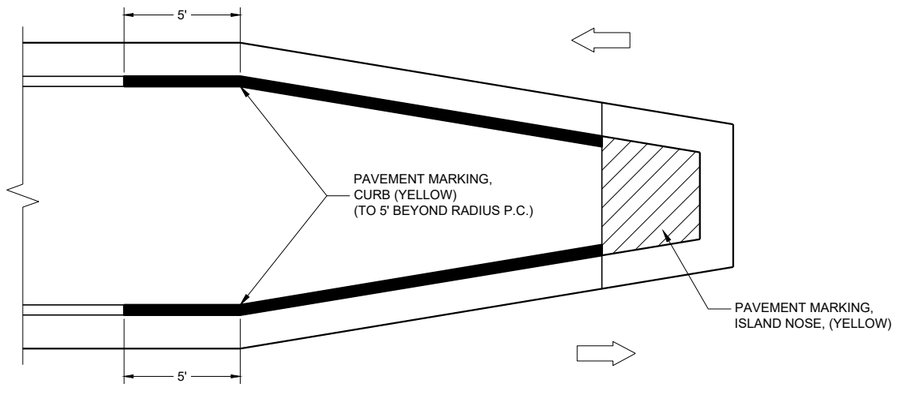
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SDD 15C18-08a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
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SDD 15C18-08b

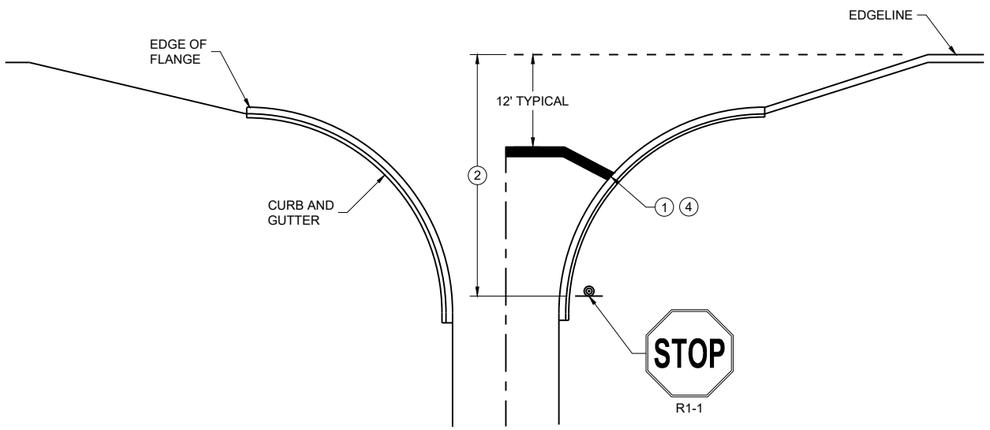
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SDD 15C18-08b

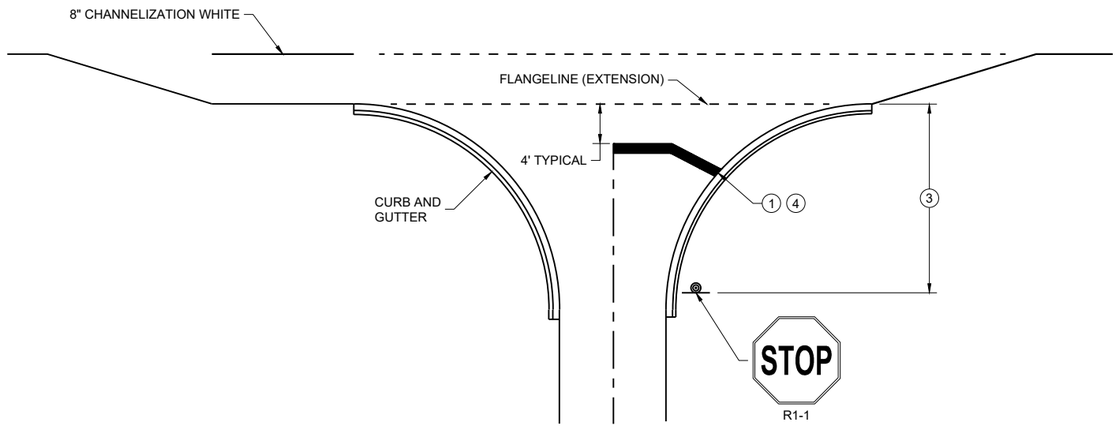
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

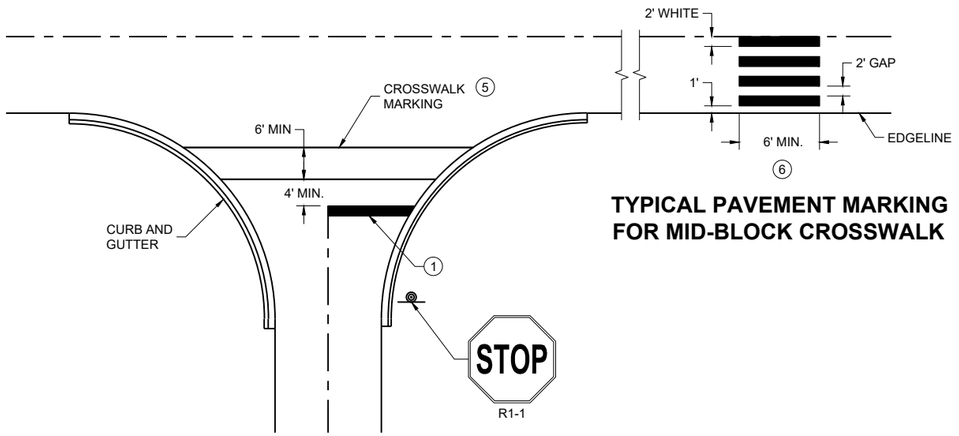
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

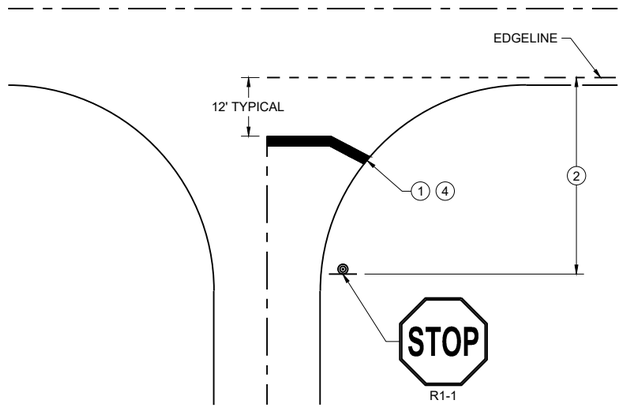


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

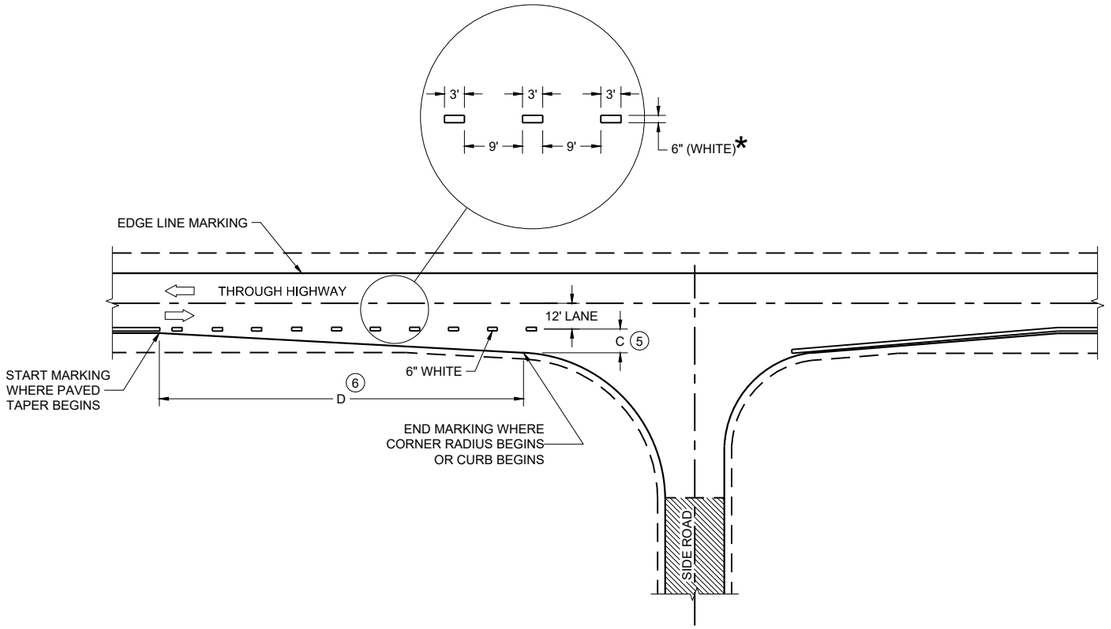
APPROVED

March 2024 — DATE

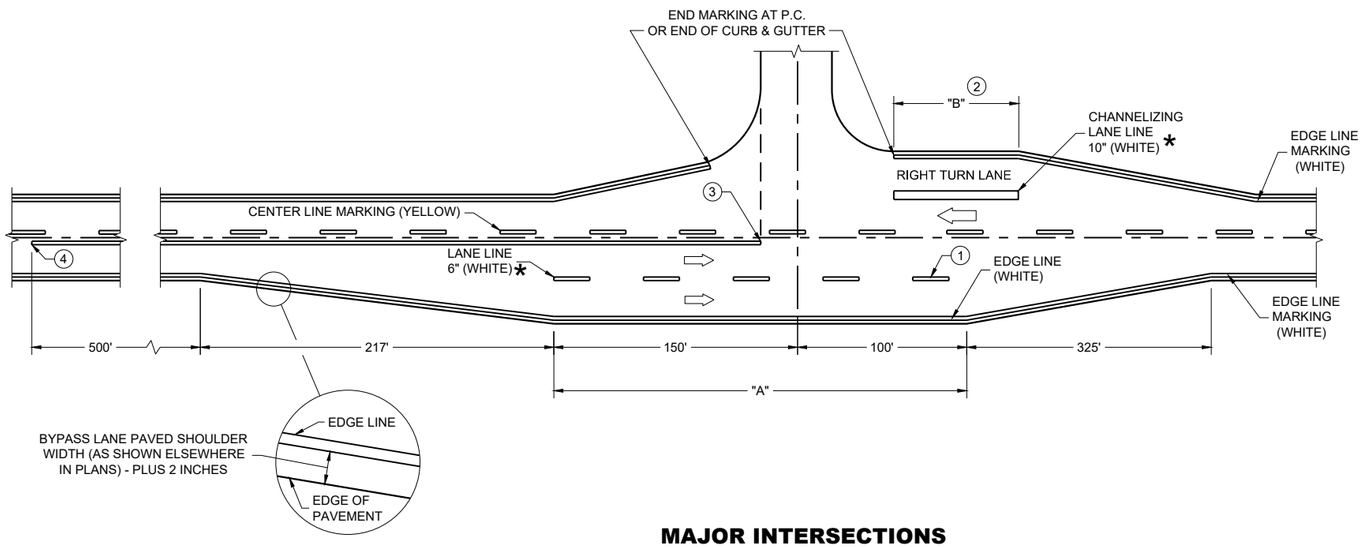
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6 SDD 15C33-05



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

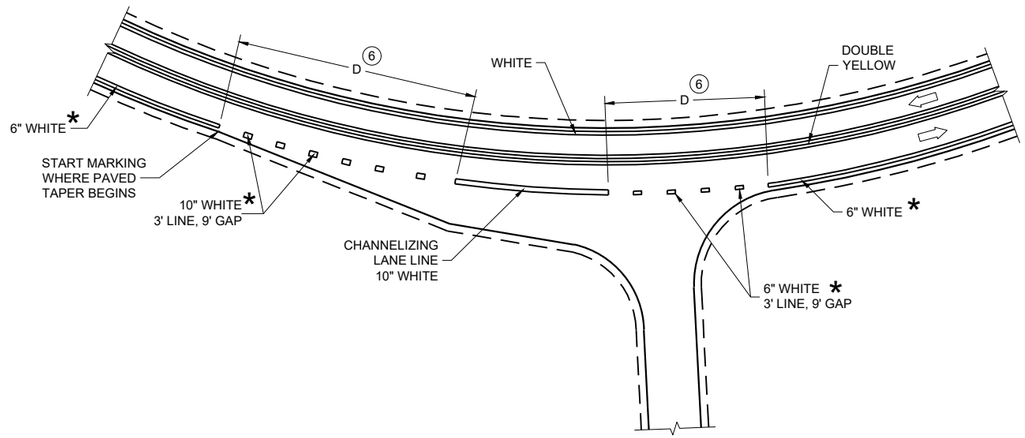
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

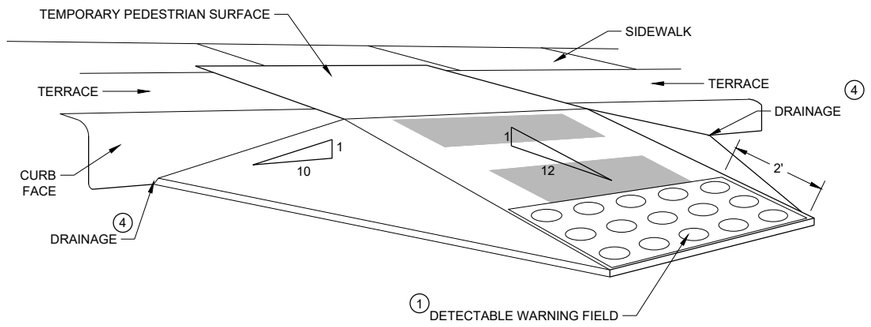
DIRECTION OF TRAVEL



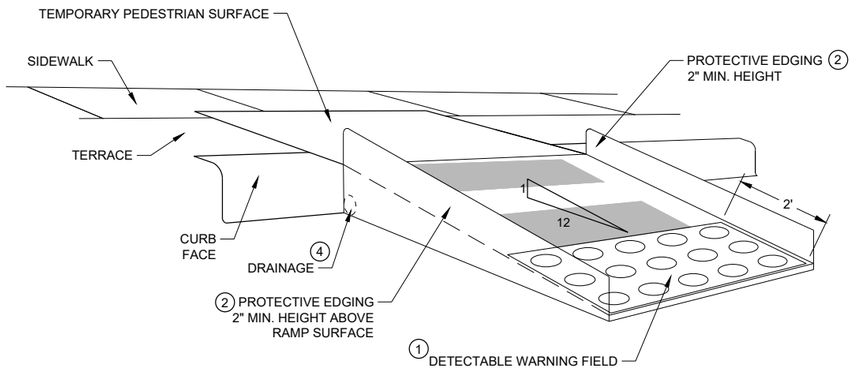
INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

LEGEND

SIGN ON PERMANENT SUPPORT

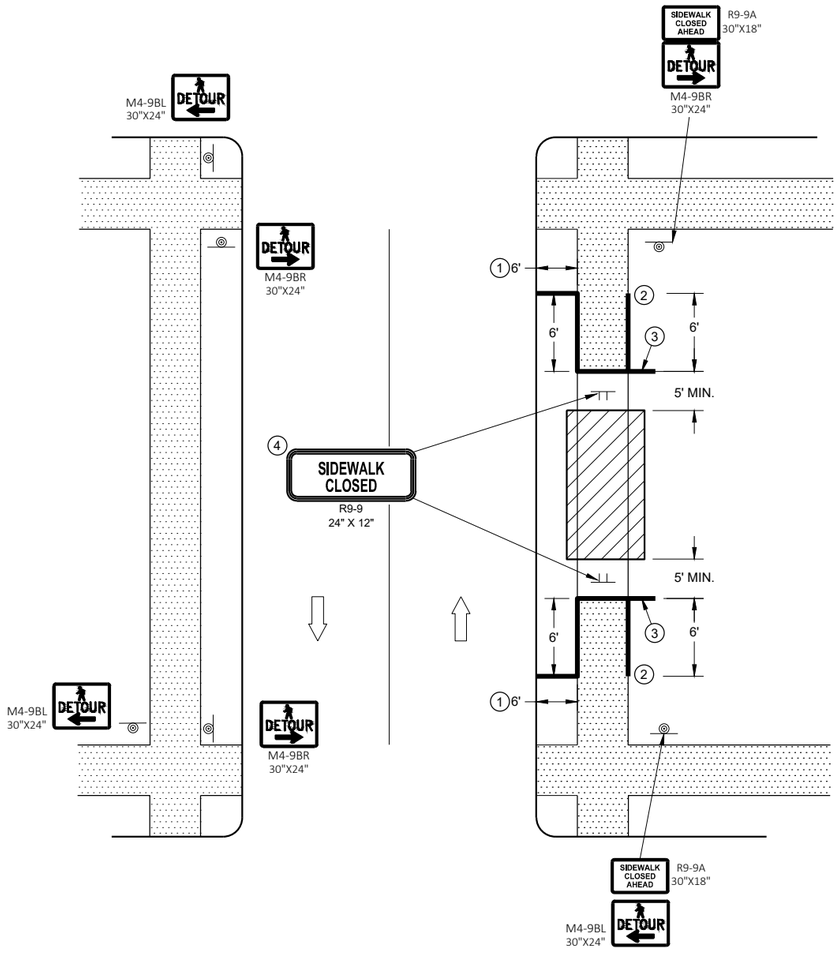
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

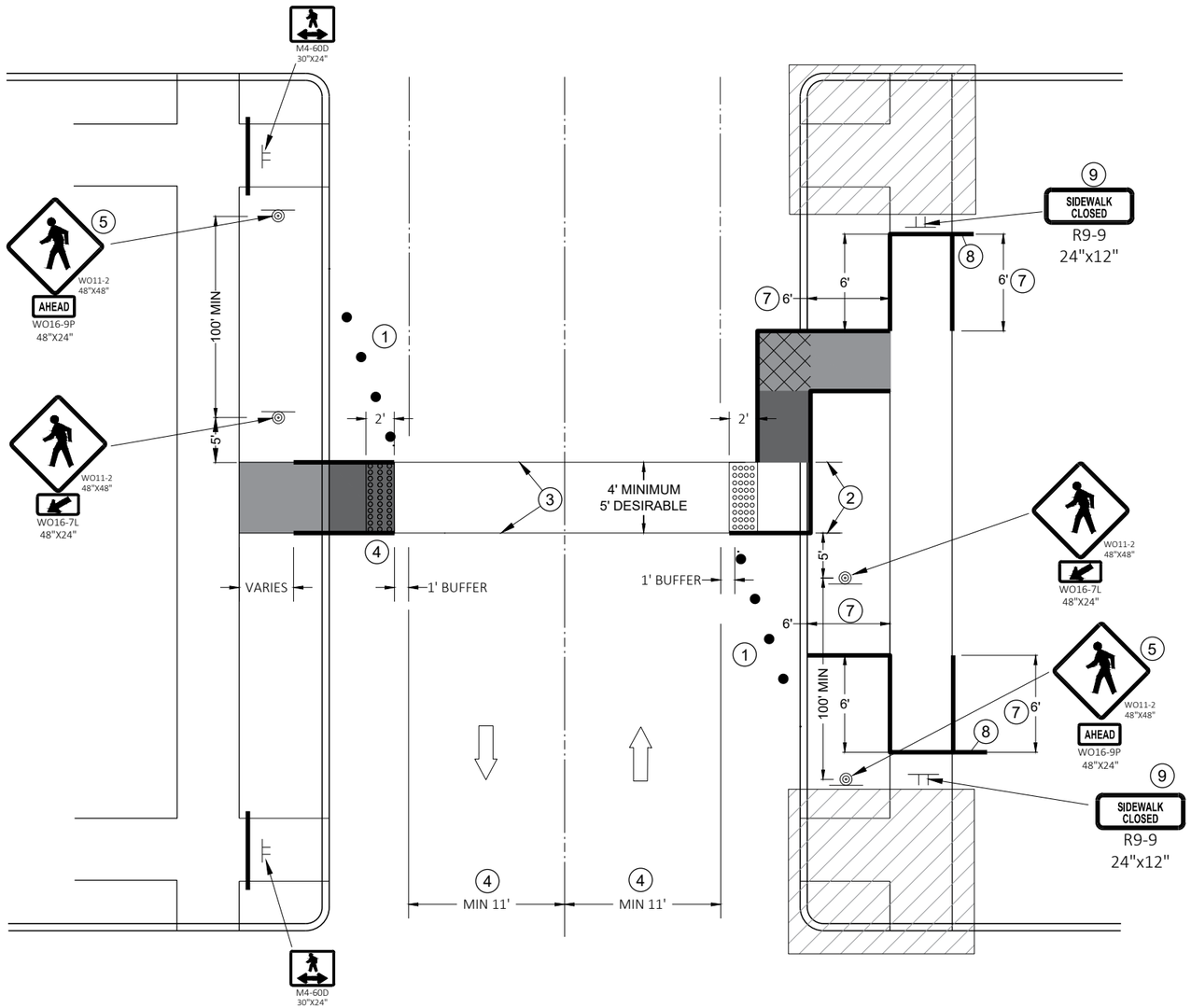
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

6

SDD 15D30 - 09k

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

(1) SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) 4 FEET MINIMUM, 5 FEET DESIRABLE.

(3) WHITE 6" TEMPORARY PAVEMENT MARKING.

(4) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.

(5) IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.

(6) IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.

(7) PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.

(8) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(9) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

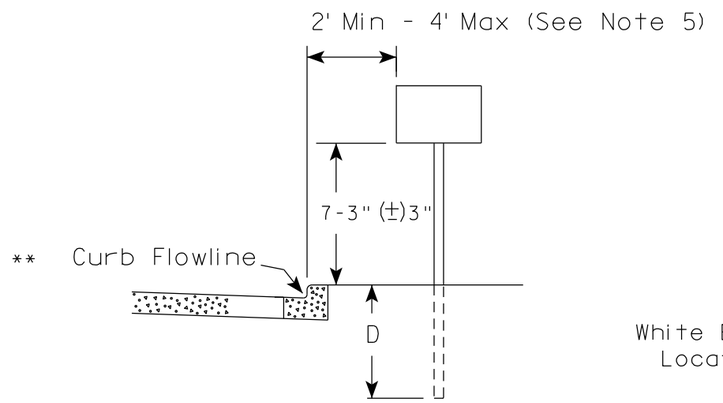
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

6

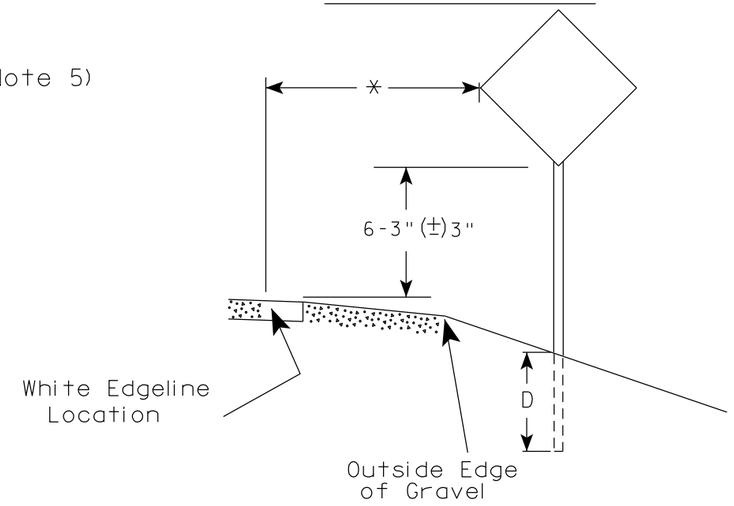
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

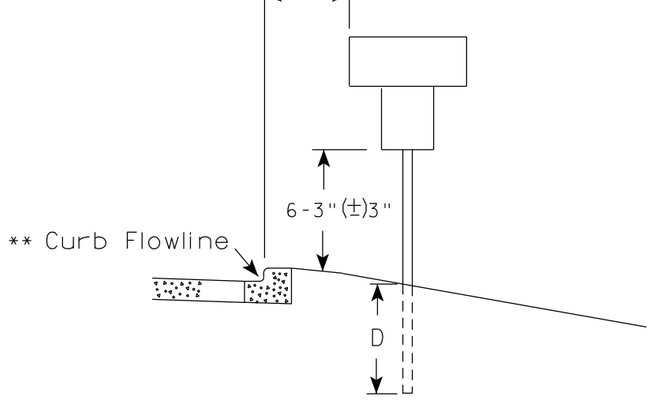
SDD 15D30 - 09L

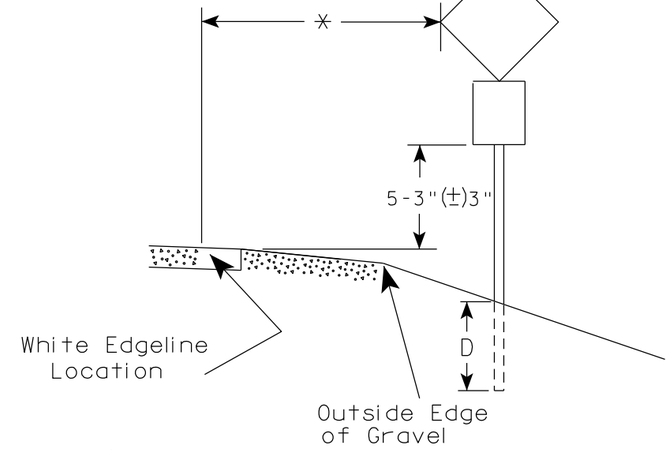
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

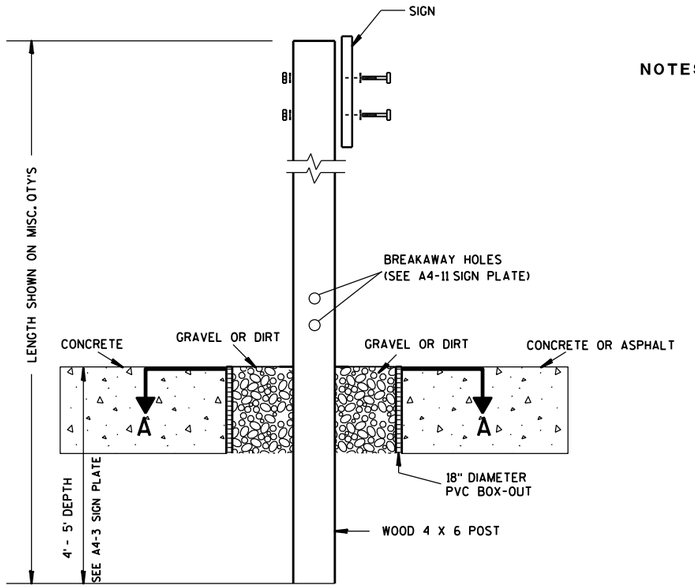
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

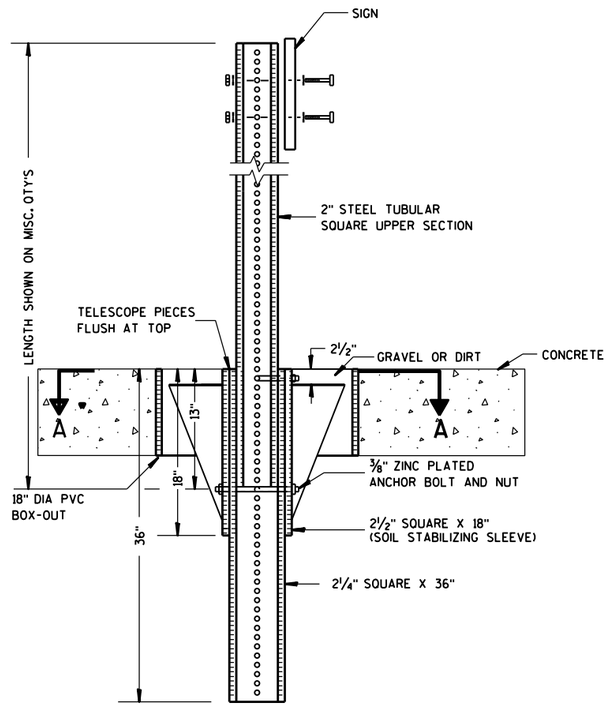
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 188	E



ELEVATION VIEW

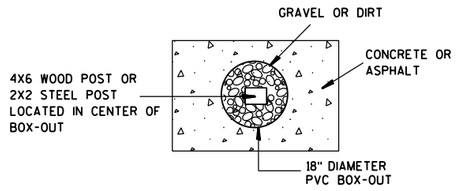
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

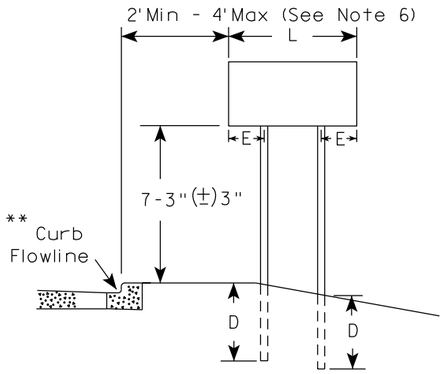
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

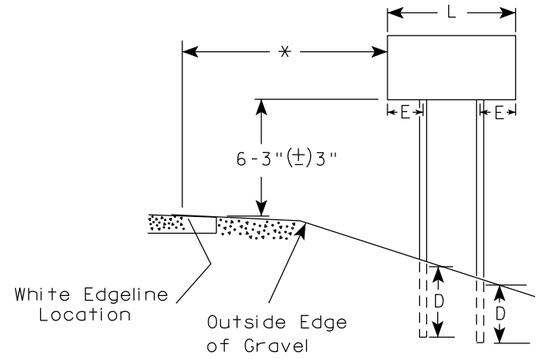
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

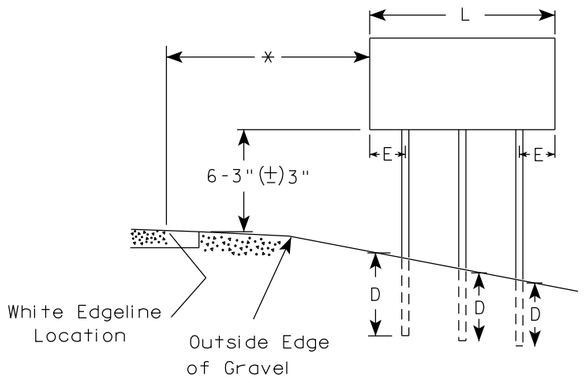
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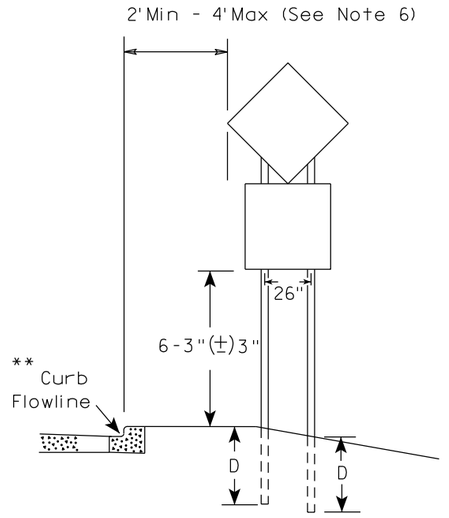
URBAN AREA



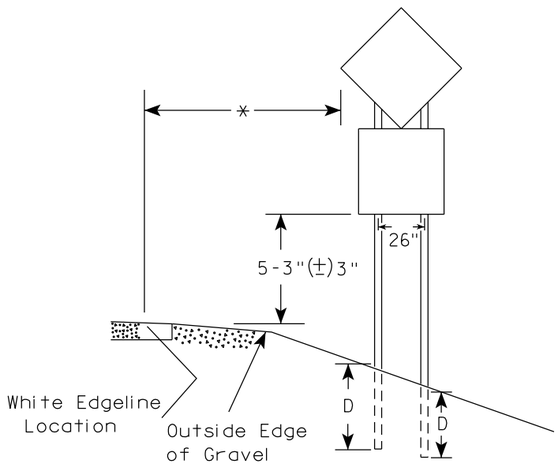
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

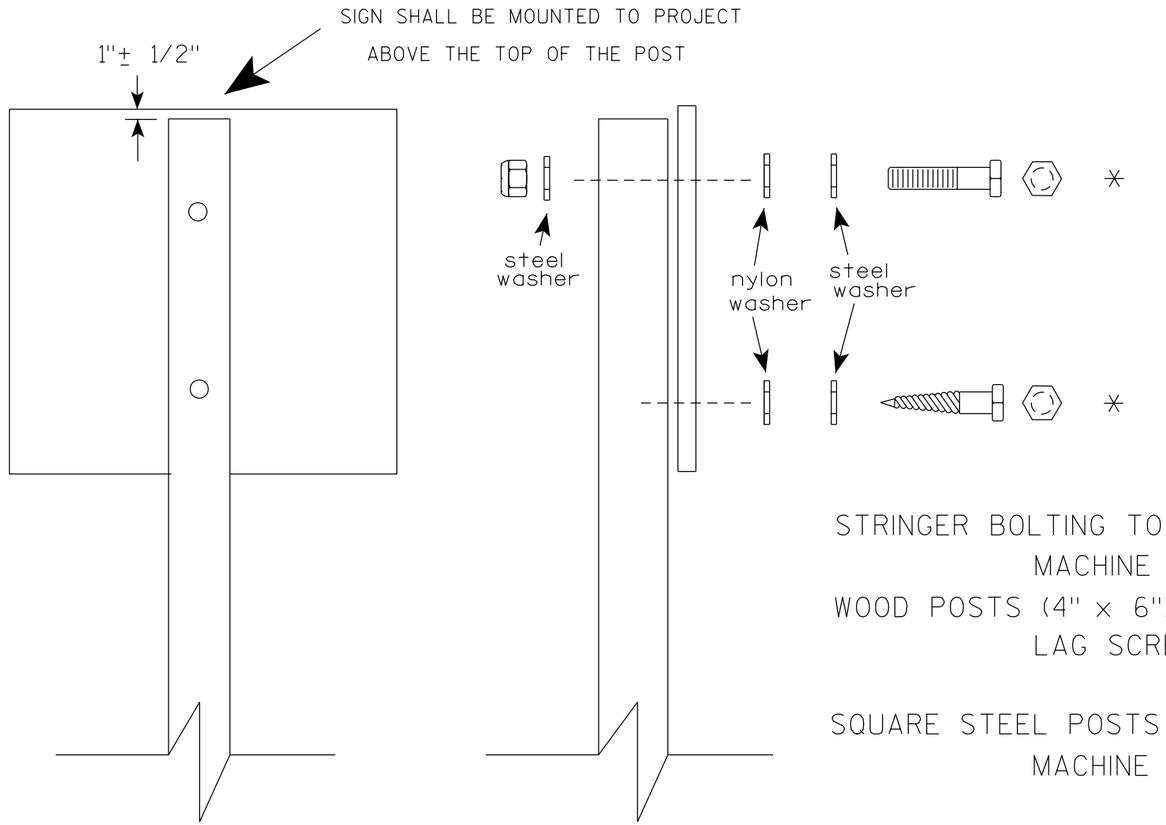
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 190	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

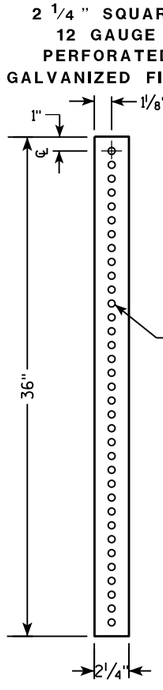
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

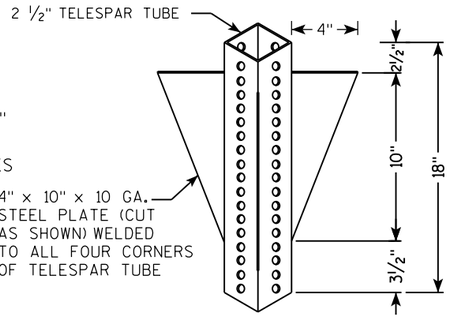
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

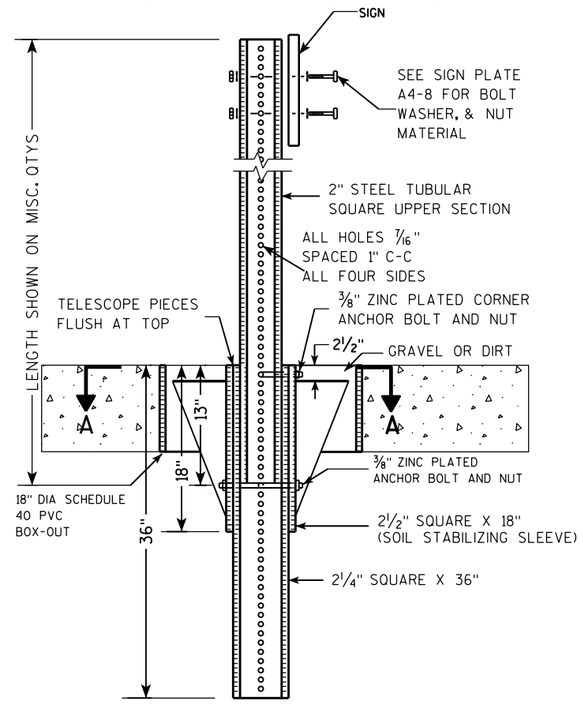
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



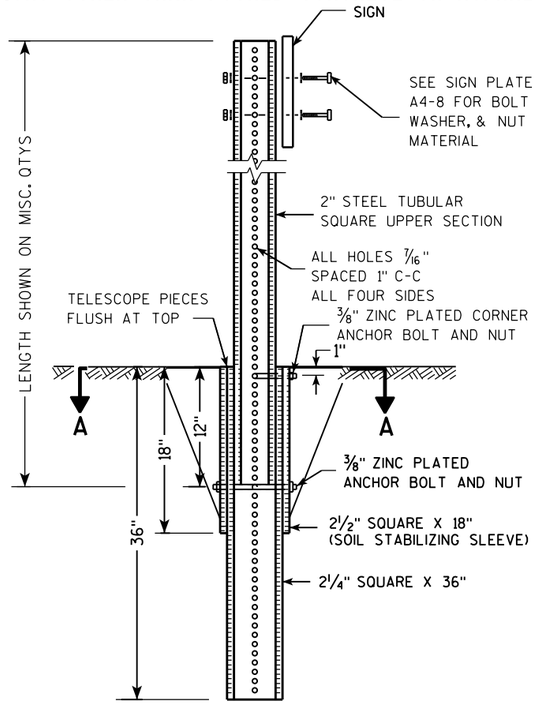
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

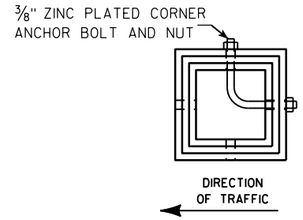


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

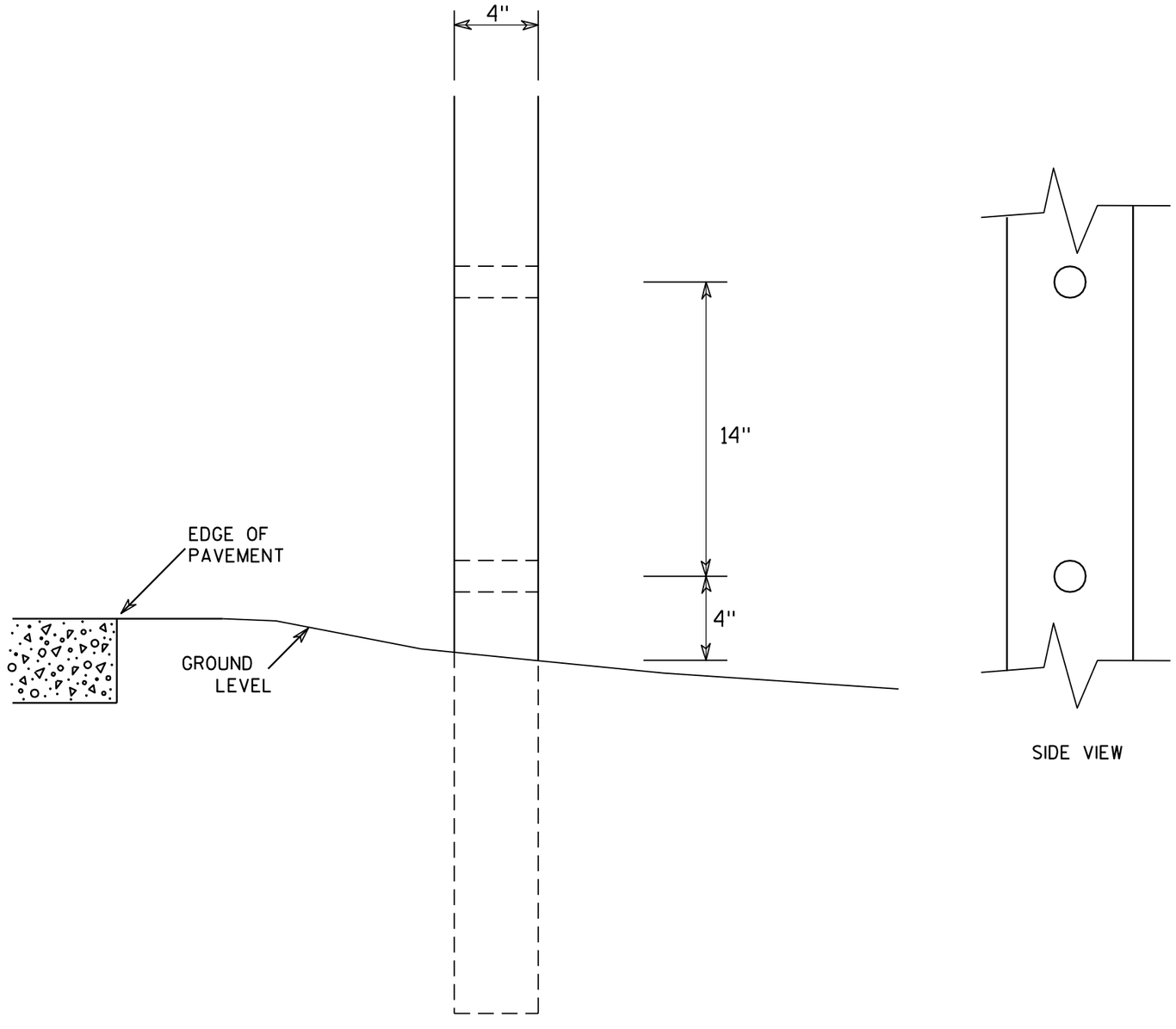
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

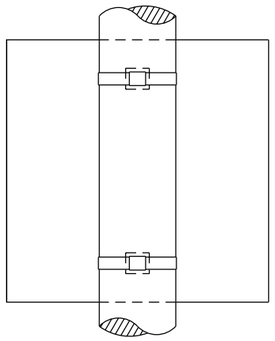
APPROVED Chester J Spang for State Traffic Engineer

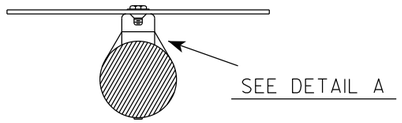
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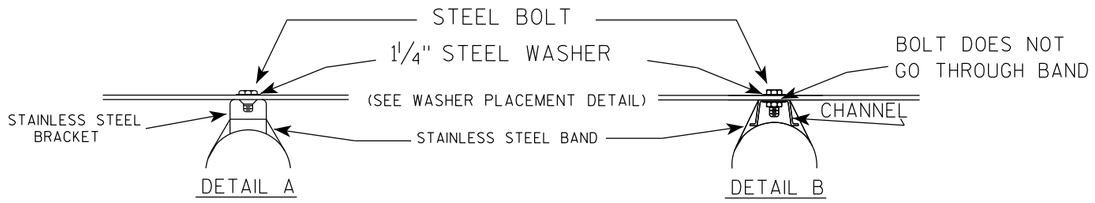
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 193	E

BANDING

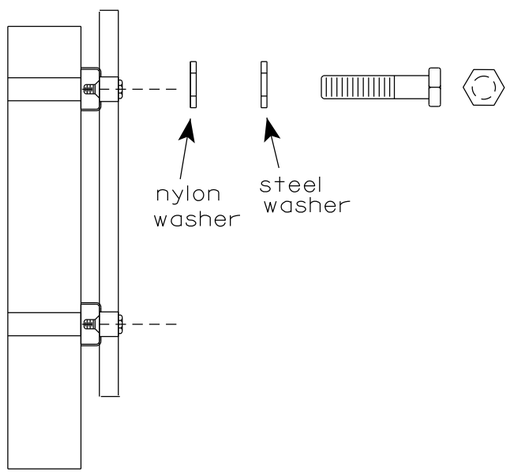
SINGLE SIGN







WASHER PLACEMENT

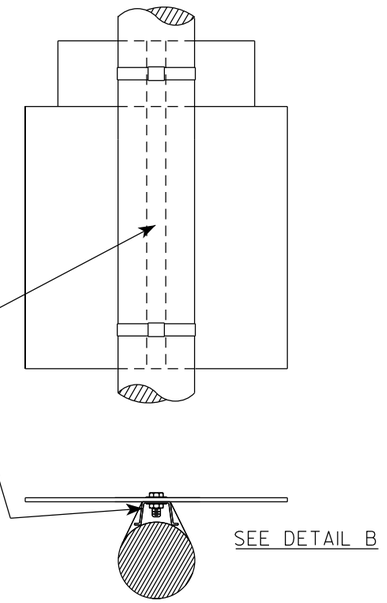


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

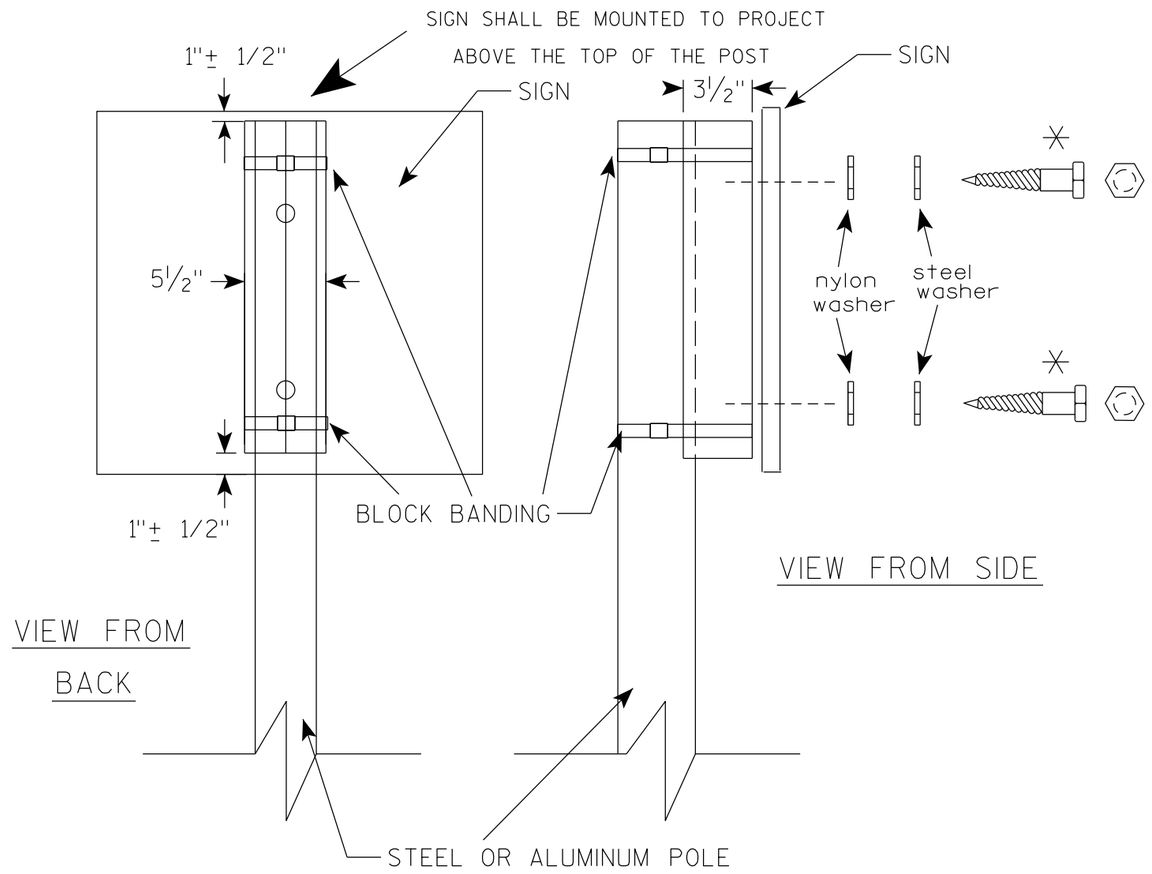
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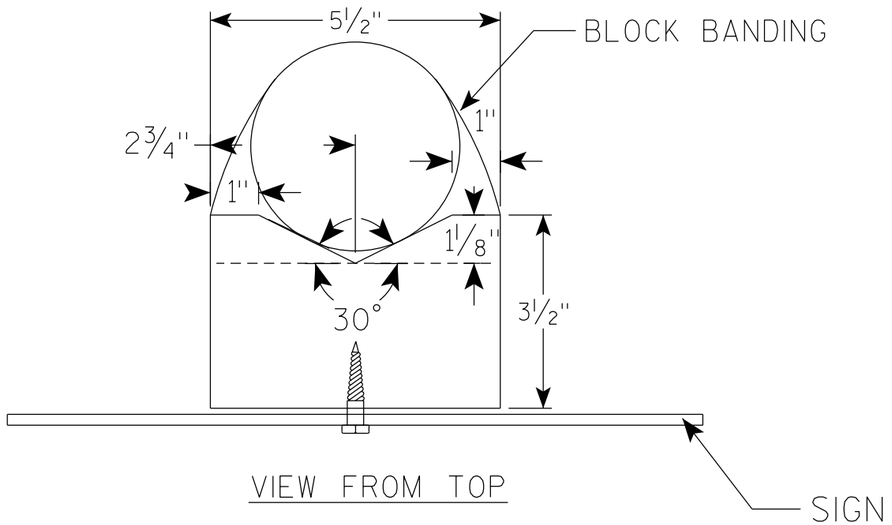
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GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

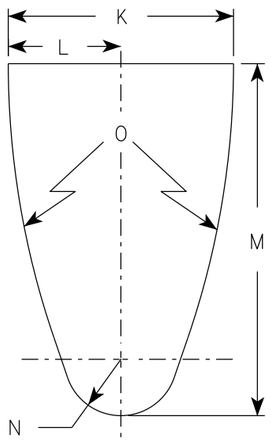
PROJECT NO:

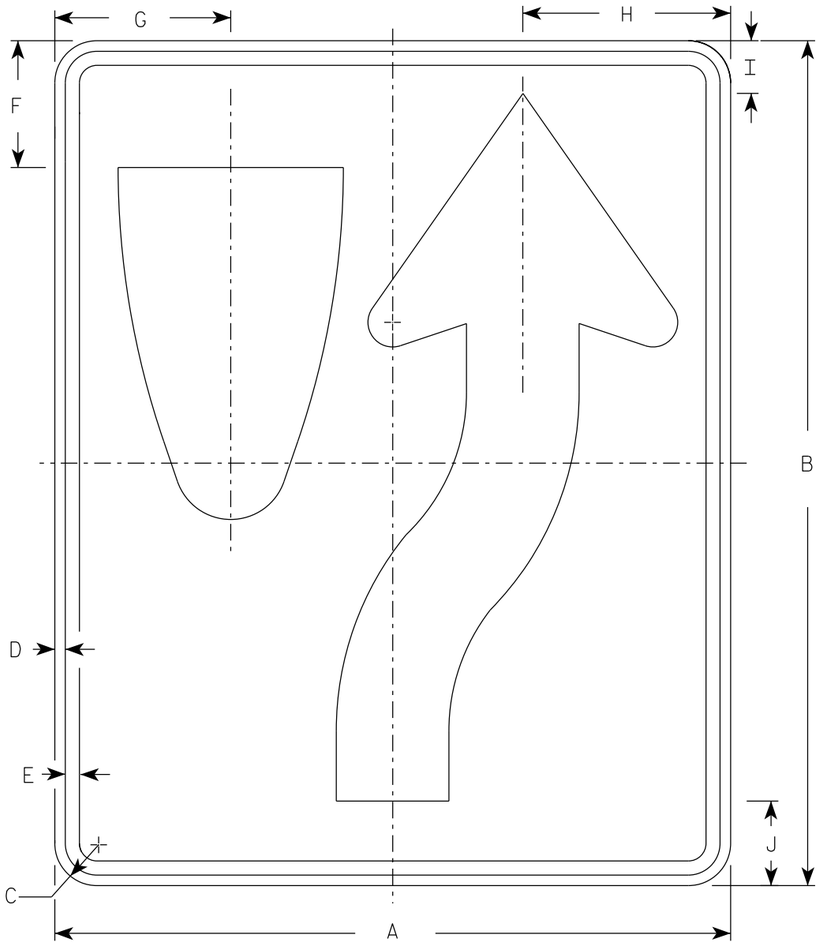
SHEET NO: 195 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. R4-8 is the same as R4-7 except Legend is reversed.

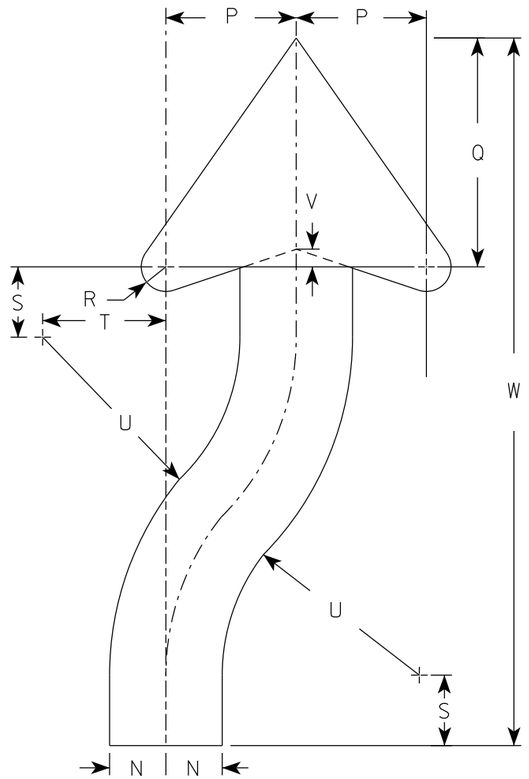
DIVIDER DETAIL





R4-7

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	3	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

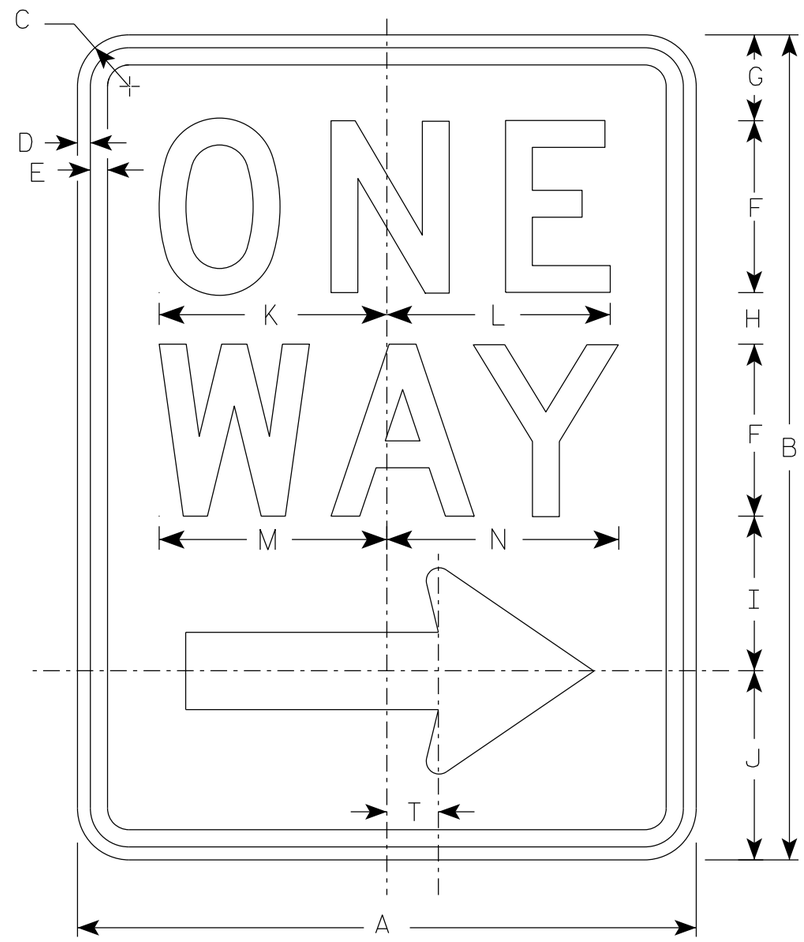
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 196	E

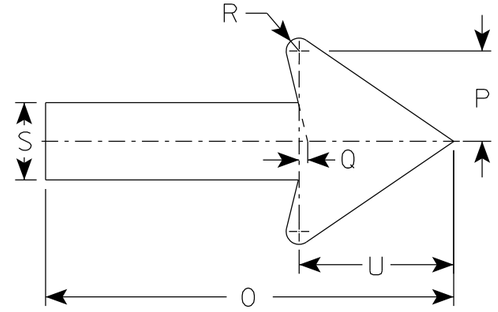
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

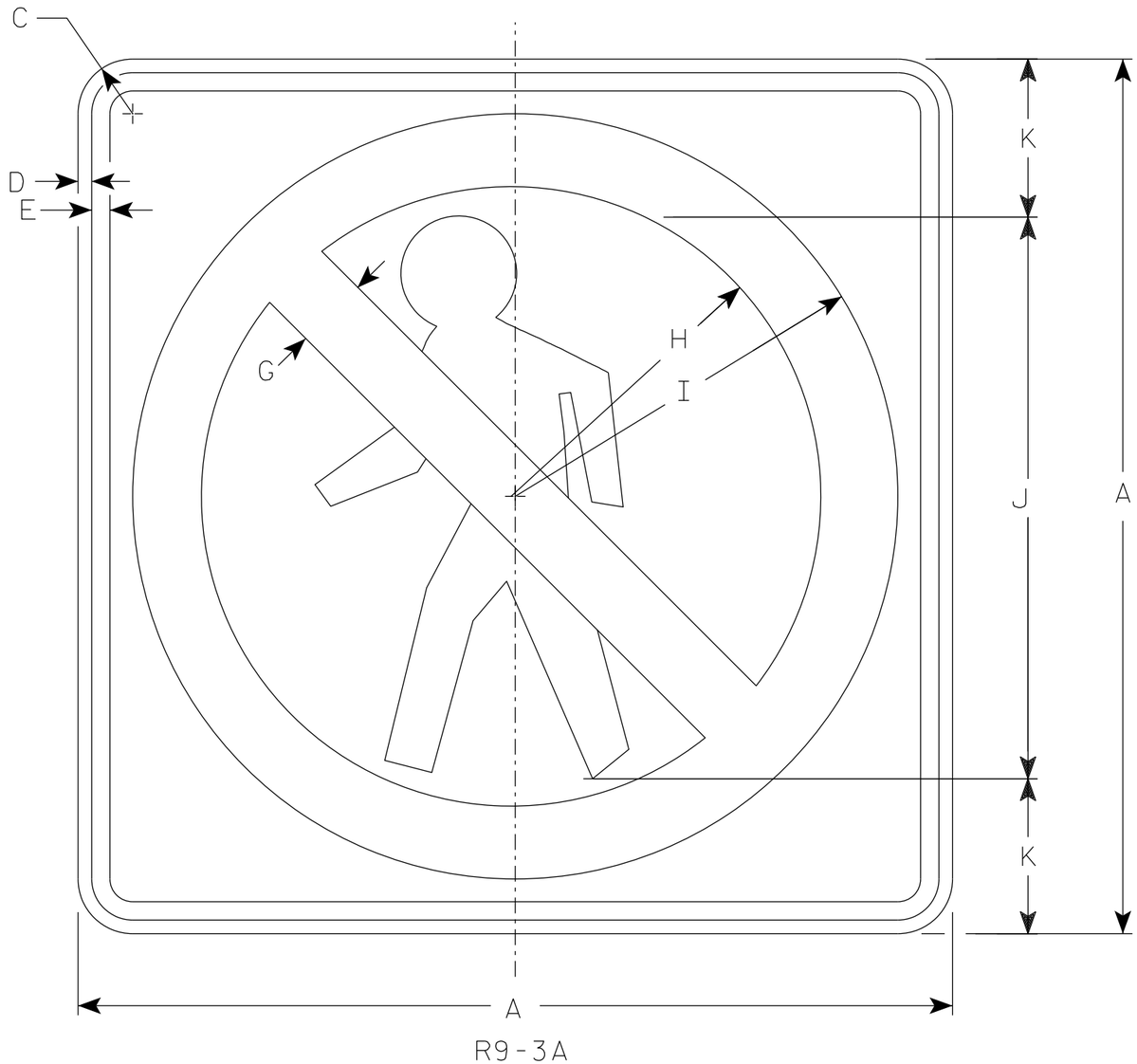
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 197 | E



R9-3A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Pedestrian are non-reflective black. Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/2	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2S	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
2M	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
3																											
4																											
5																											

STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

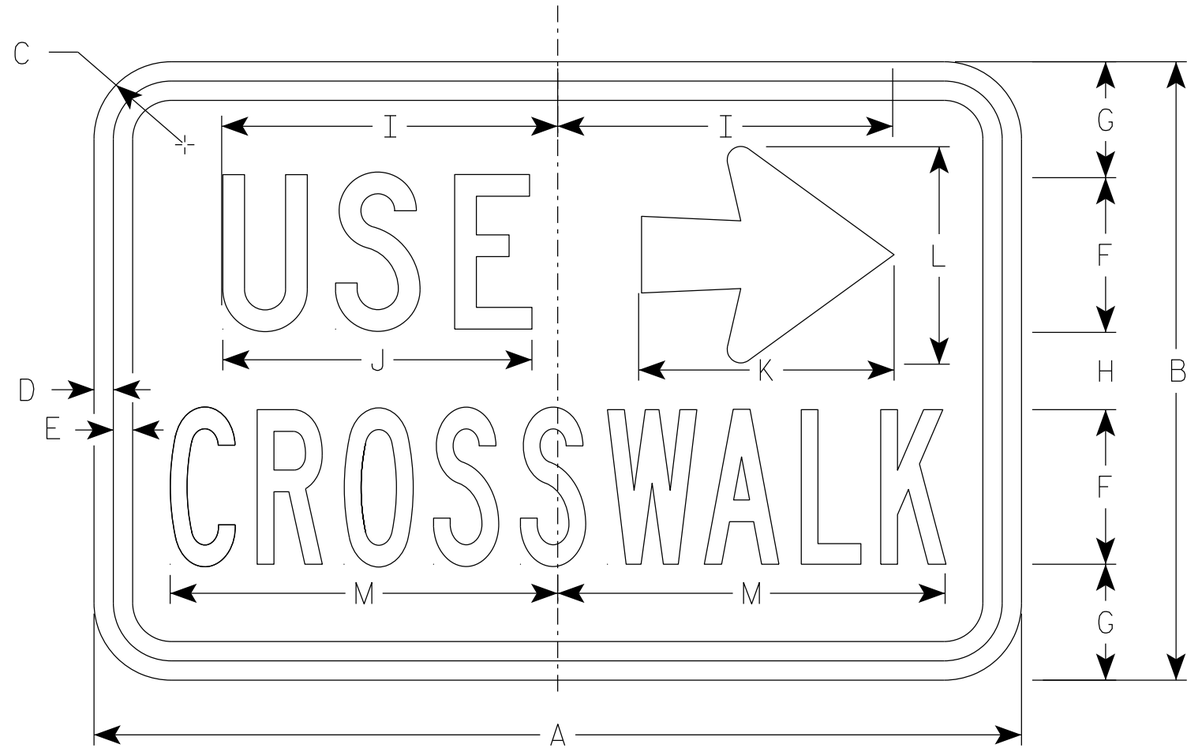
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/23/24 PLATE NO. R9-3A.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 198 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2



R9-3B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

STANDARD SIGN
R9-3B

WISCONSIN DEPT OF TRANSPORTATION

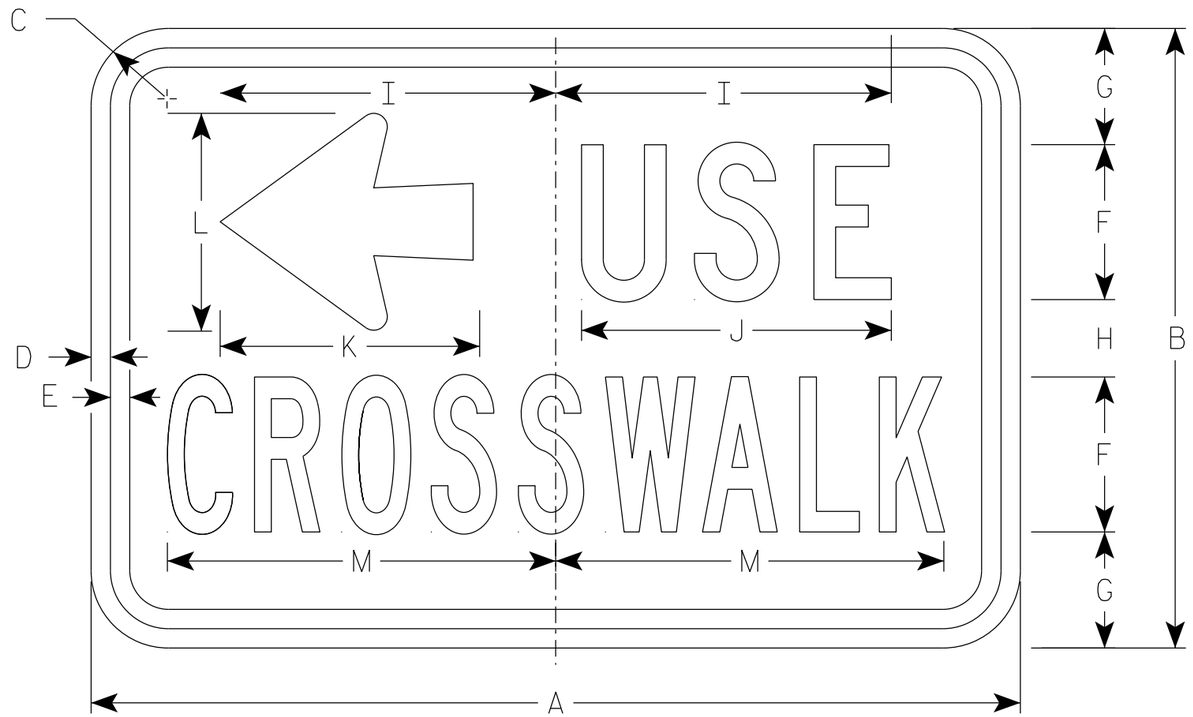
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/23/24 PLATE NO. R9-3B.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 199 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2



R9-3BL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18	12	1 ½	⅜	⅜	3	2 ¼	1 ½	6 ½	6	5	4 ¼	7 ½														1.5
2M	18	12	1 ½	⅜	⅜	3	2 ¼	1 ½	6 ½	6	5	4 ¼	7 ½														1.5
3																											
4																											
5																											

STANDARD SIGN
R9-3BL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/23/24 PLATE NO. R9-3BL.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 200	E

DIVISION 1 - HAMMOND AVE NB

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT	INCREMENTAL VOL (CY) (UNADJUSTED) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.30	CUMULATIVE VOL (CY) MASS ORDINATE
101+00	103.37	3.98	0	0	0	0	0
101+50	102.15	2.61	190	6	190	8	182
101+66.914	128.16	1.20	72	1	262	9	253
102+00	103.72	1.99	142	2	404	12	392
102+20.06	115.97	1.30	82	1	486	13	473
102+50	111.23	1.20	126	1	612	14	598
102+79.385	114.79	2.35	123	2	735	17	718
103+17.24	106.93	0.86	155	2	890	20	871
103+55.999	129.75	0.82	170	1	1,060	21	1,039
104+00	120.86	1.27	204	2	1,264	23	1,241
104+50	123.36	0.60	226	2	1,490	26	1,464
104+75.71	147.98	0.25	129	0	1,619	26	1,593
105+00	126.28	0.43	123	0	1,742	26	1,716
105+24.69	125.65	0.38	115	0	1,857	26	1,831
105+61.733	115.29	0.86	165	1	2,022	27	1,995
105+75.54	122.07	0.00	61	0	2,083	27	2,056
106+00	158.17	0.00	127	0	2,210	27	2,183
106+50	146.22	0.01	282	0	2,492	27	2,465
107+00	146.67	0.23	271	0	2,763	27	2,736
107+26.446	156.11	0.32	148	0	2,911	27	2,884
107+50	141.35	0.42	130	0	3,041	27	3,014
108+00	133.96	0.80	255	1	3,296	29	3,267
108+45.13	142.03	0.97	231	1	3,527	30	3,497
108+71.3	124.41	2.06	129	1	3,656	31	3,625
109+00	106.57	4.02	123	3	3,779	35	3,744
109+14.5	99.95	7.70	55	3	3,834	39	3,795
109+23.5	99.67	7.80	33	3	3,867	43	3,824
109+38.484	97.72	8.53	55	5	3,922	49	3,873
109+71.8	89.23	6.57	115	9	4,037	61	3,976
109+75.35	90.26	5.89	12	1	4,049	62	3,987
110+15.268	122.95	1.24	158	5	4,207	69	4,138
110+29.4	117.18	2.09	63	1	4,270	70	4,200
110+50	118.73	2.33	90	2	4,360	73	4,287
110+65.89	130.33	1.11	73	1	4,433	74	4,359
110+73	113.15	3.44	32	1	4,465	75	4,390
110+91.013	113.32	3.17	76	2	4,541	78	4,463
111+30.18	136.96	0.00	182	2	4,723	81	4,642
111+71.17	141.02	1.99	211	2	4,934	83	4,851
112+00	143.94	1.75	152	2	5,086	86	5,000
112+50	133.93	0.58	257	2	5,343	88	5,255
112+69.918	133.75	0.66	99	0	5,442	88	5,354
113+07.97	104.04	0.25	168	1	5,610	90	5,520
113+45.99	123.91	0.15	160	0	5,770	90	5,680
114+00	140.02	0.30	264	0	6,034	90	5,944
114+50	147.10	0.05	266	0	6,300	90	6,210

DIVISION 1 - HAMMOND AVE NB (CONT'D)

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT	INCREMENTAL VOL (CY) (UNADJUSTED) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.30	CUMULATIVE VOL (CY) MASS ORDINATE
115+00	121.60	0.48	249	0	6,549	90	6,459
115+50	125.56	0.41	229	1	6,778	91	6,687
115+82.95	140.53	0.35	162	0	6,940	91	6,849
116+00	128.05	0.00	85	0	7,025	91	6,934
116+36.17	101.82	0.26	154	0	7,179	91	7,088
116+72.22	109.08	5.02	141	4	7,320	96	7,224
116+94.07	117.05	1.93	91	3	7,411	100	7,311
117+35.42	123.91	0.02	185	1	7,596	101	7,495
117+65.11	132.41	0.00	141	0	7,737	101	7,636
117+77	139.83	0.00	60	0	7,797	101	7,696
118+09.59	152.61	0.00	176	0	7,973	101	7,872
118+50	158.93	0.00	233	0	8,206	101	8,105
119+00	161.98	0.00	297	0	8,503	101	8,402
119+25	163.17	0.00	151	0	8,654	101	8,553
119+66.51	162.43	0.00	250	0	8,904	101	8,803
120+07	168.26	0.00	248	0	9,152	101	9,051
120+50	139.28	0.18	245	0	9,397	101	9,296
121+00	125.57	0.20	245	0	9,642	101	9,541
121+16	128.89	0.10	75	0	9,717	101	9,616
121+54.73	126.84	0.00	183	0	9,900	101	9,799
121+92.8	128.19	0.13	180	0	10,080	101	9,979
122+07.4	115.25	0.22	66	0	10,146	101	10,045
122+50	102.61	0.67	172	1	10,318	103	10,215
122+59.3	99.60	1.25	35	0	10,353	103	10,250
122+61	84.78	0.81	6	0	10,359	103	10,256
122+94.87	83.13	2.72	105	2	10,464	105	10,359
122+97.5	82.50	2.56	8	0	10,472	105	10,367
123+23.4	80.23	4.62	78	3	10,550	109	10,441
123+36	100.46	4.13	42	2	10,592	112	10,480
123+50	96.14	2.96	51	2	10,643	114	10,529
123+60.4	95.26	3.12	37	1	10,680	116	10,564
124+00	105.78	2.90	147	4	10,827	121	10,706
124+27	101.41	4.40	104	4	10,931	126	10,805
124+50	103.22	5.58	87	4	11,018	131	10,887
124+75	99.11	6.13	94	5	11,112	138	10,974
125+00	93.07	12.99	89	9	11,201	150	11,052
125+23.5	114.05	6.39	90	8	11,291	160	11,131
125+27	118.19	5.44	15	1	11,306	161	11,145
125+50	116.82	3.15	100	4	11,406	166	11,240
125+75	127.92	3.00	113	3	11,519	170	11,349

9

9

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	EARTHWORK DATA	SHEET 201	E

DIVISION 1 - N 27TH STREET

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
200+19.008	168.68	0.00	0	0	0	0	0
200+50	88.87	0.15	148	0	148	0	148
200+70.997	74.49	0.00	64	0	212	0	212
200+75	67.13	0.00	10	0	222	0	222
201+00	50.53	0.00	54	0	276	0	276
201+03	49.02	0.00	6	0	282	0	282

DIVISION 1 - N 26TH STREET

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
209+13.171	61.93	0.22	0	0	0	0	0
209+25	69.50	0.03	29	0	29	0	29
209+45.971	85.15	0.00	60	0	89	0	89
209+71	188.40	0.00	127	0	216	0	216

DIVISION 1 - N 25TH STREET

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
230+18.002	160.62	0.00	0	0	0	0	0
230+50	89.19	0.00	148	0	148	0	148
230+75	60.36	0.00	69	0	217	0	217
230+86.99	51.69	0.00	25	0	242	0	242

DIVISION 1 - N 24TH STREET

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
239+15.318	85.10	0.44	0	0	0	0	0
239+25	87.15	0.31	31	0	31	0	31
239+45.235	94.54	0.59	68	0	99	0	99
239+70.995	188.83	0.00	135	0	234	0	234

DIVISION 1 - N 24TH STREET-1

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
240+20.008	176.89	0.00	0	0	0	0	0
240+50	83.28	0.00	145	0	145	0	145
240+75	70.27	0.00	71	0	216	0	216
241+00	51.96	0.00	57	0	273	0	273
241+05.069	49.42	0.00	10	0	283	0	283

DIVISION 1 - N 23RD STREET

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
250+17.481	172.00	0.00	0	0	0	0	0
250+50	68.69	0.92	145	1	145	1	144
250+75	58.30	0.00	59	0	204	1	203
250+82	54.23	0.00	15	0	219	1	218

DIVISION 1 - N 23RD STREET-1

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
248+75.039	88.62	0.99	0	0	0	0	0
249+00	93.05	0.84	84	1	84	1	83
249+25	106.54	0.00	92	0	176	1	175
249+45	112.79	0.02	81	0	257	1	256
249+72.993	209.67	0.00	167	0	424	1	423

DIVISION 1 - FAXON STREET

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
260+20.012	224.75	0.00	0	0	0	0	0
260+45.644	113.44	0.09	161	0	161	0	161
260+54.644	110.22	0.37	37	0	198	0	198
260+75	87.11	0.37	74	0	272	0	272
260+90	80.43	0.41	47	0	319	0	319

DIVISION 1 - 22ND STREET

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
268+80	56.62	0.00	0	0	0	0	0
269+00	58.14	0.00	43	0	43	0	43
269+25	83.77	0.00	66	0	109	0	109
269+38	92.11	0.01	42	0	151	0	151
269+45.01	98.61	0.00	25	0	176	0	176
269+72.994	183.84	0.00	146	0	322	0	322

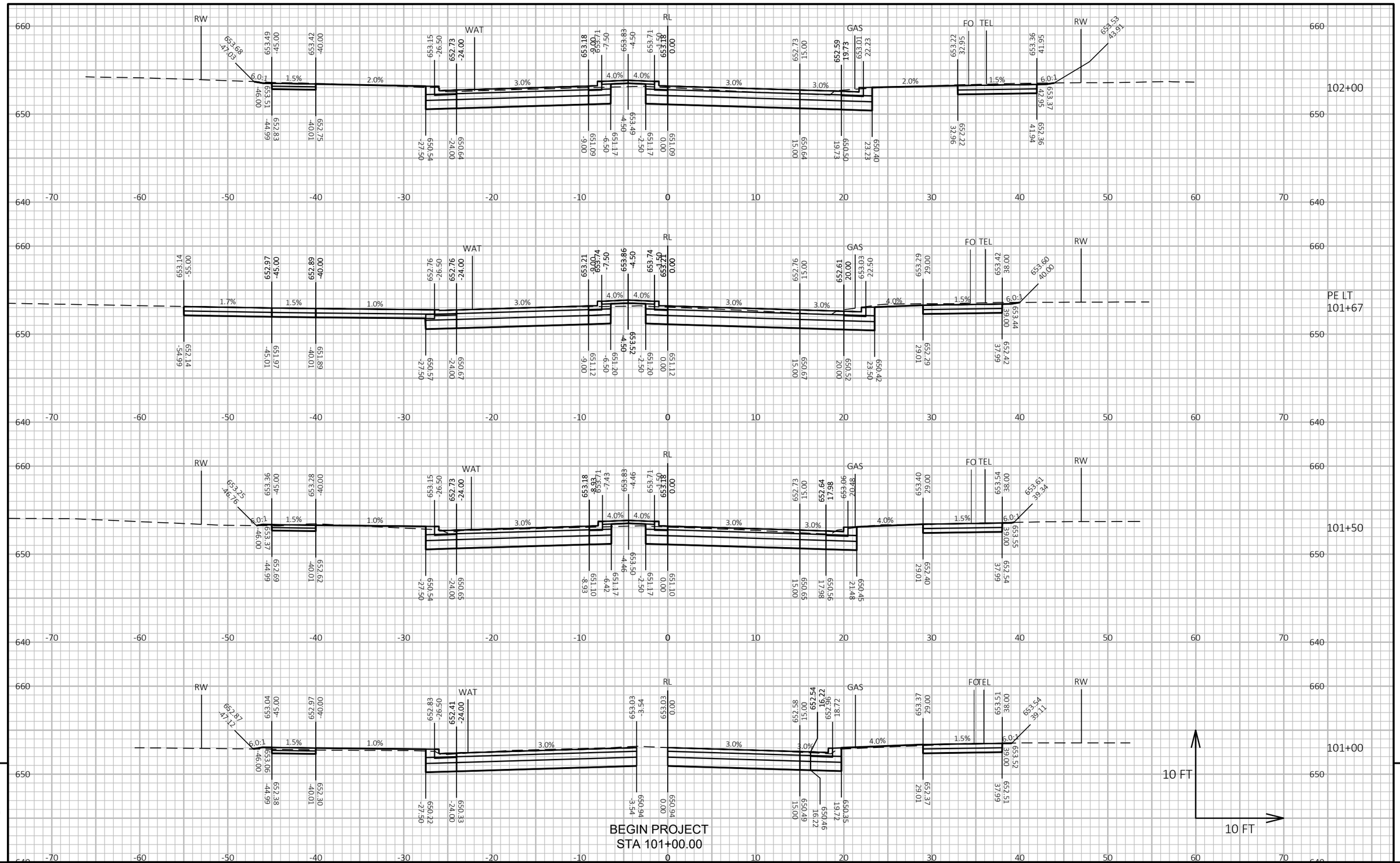
DIVISION 1 - 22ND STREET-1

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
270+15.002	167.41	0.00	0	0	0	0	0
270+48	85.43	0.27	155	0	155	0	155
270+54.502	89.11	0.00	21	0	176	0	176
270+75	60.54	0.00	57	0	233	0	233
270+90	56.12	0.00	32	0	265	0	265

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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	EARTHWORK DATA	SHEET 203	E



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 204 E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 25

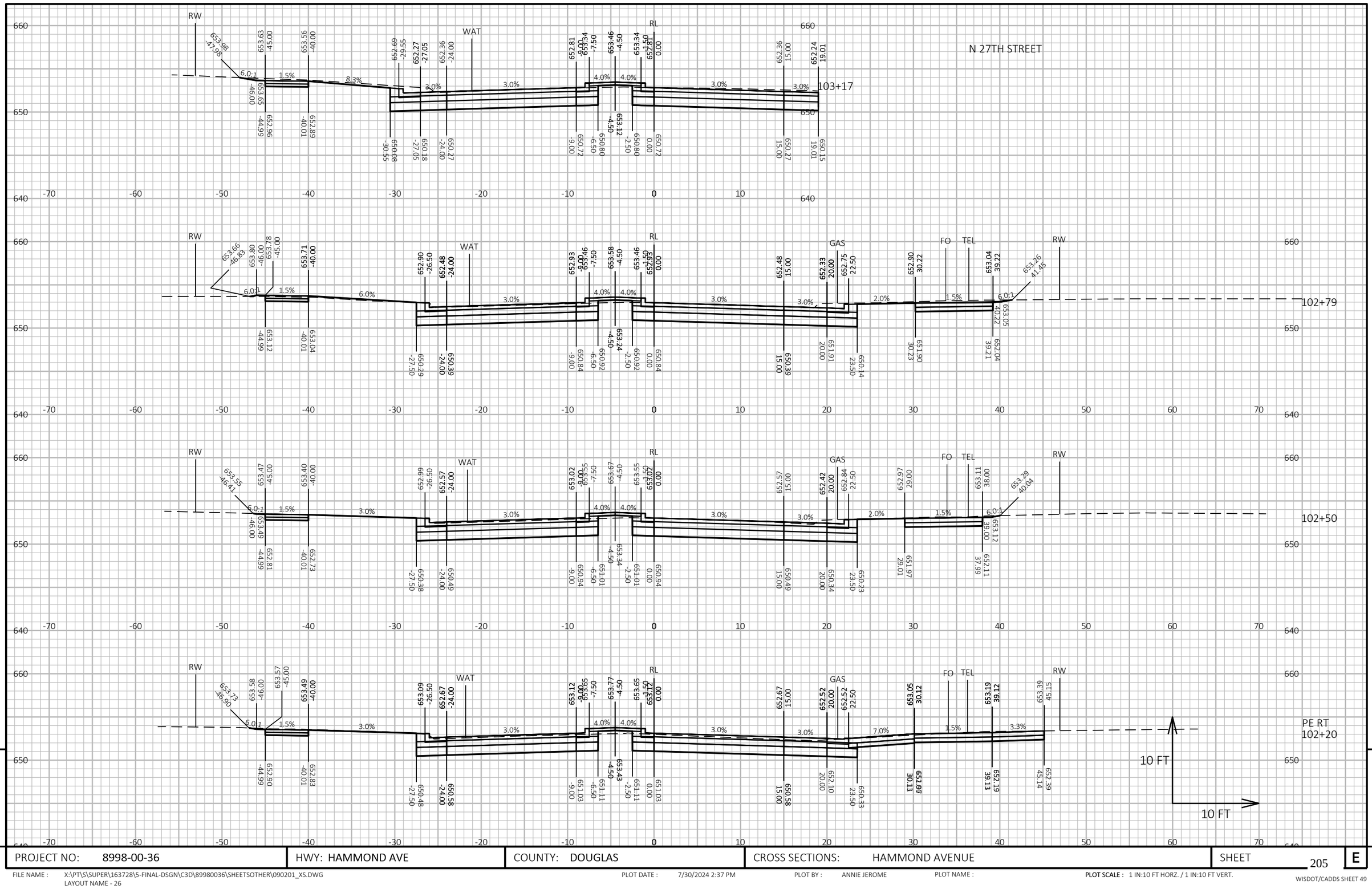
PLOT DATE : 7/30/2024 3:04 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 205	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 26

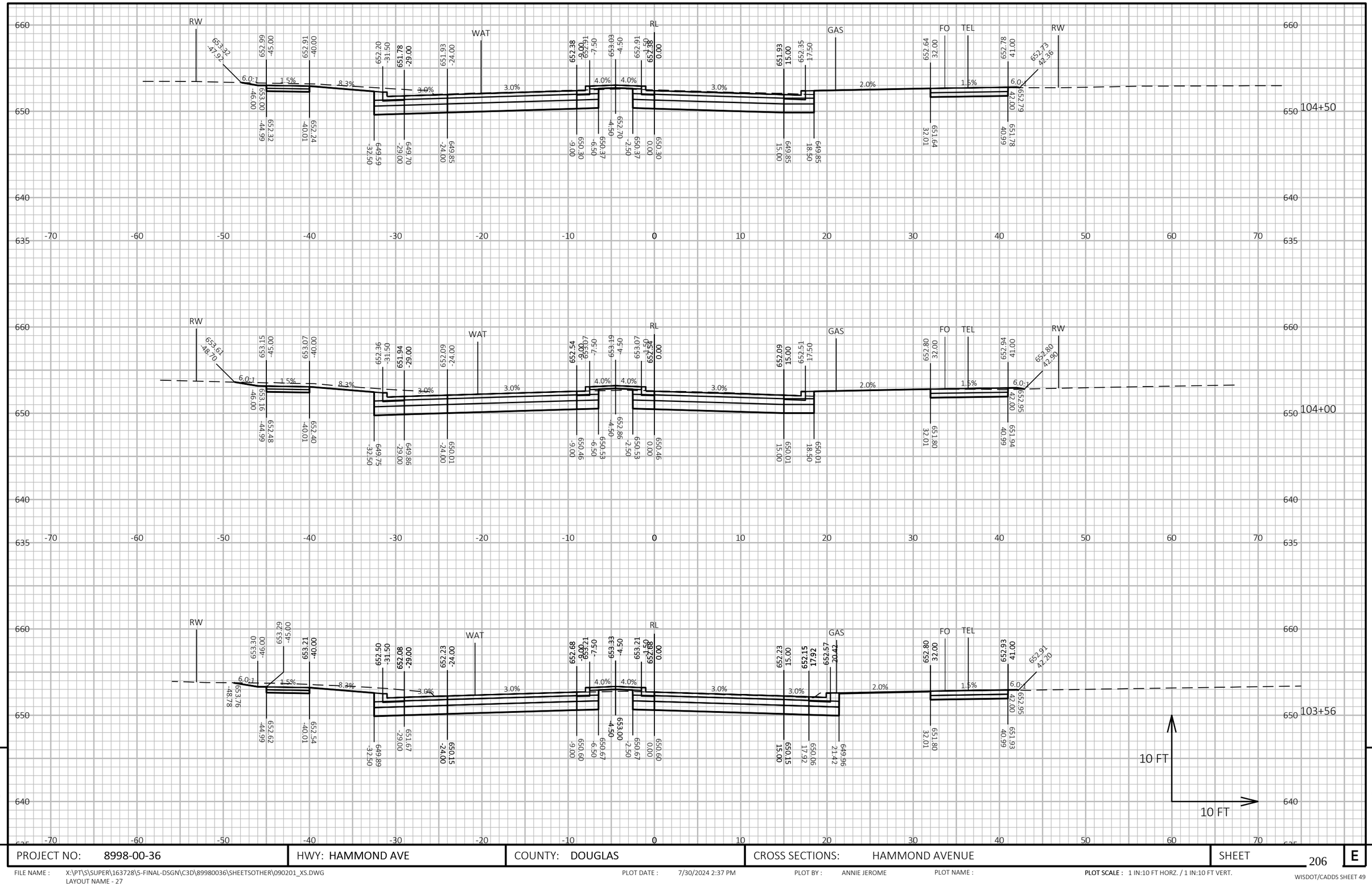
PLOT DATE : 7/30/2024 2:37 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

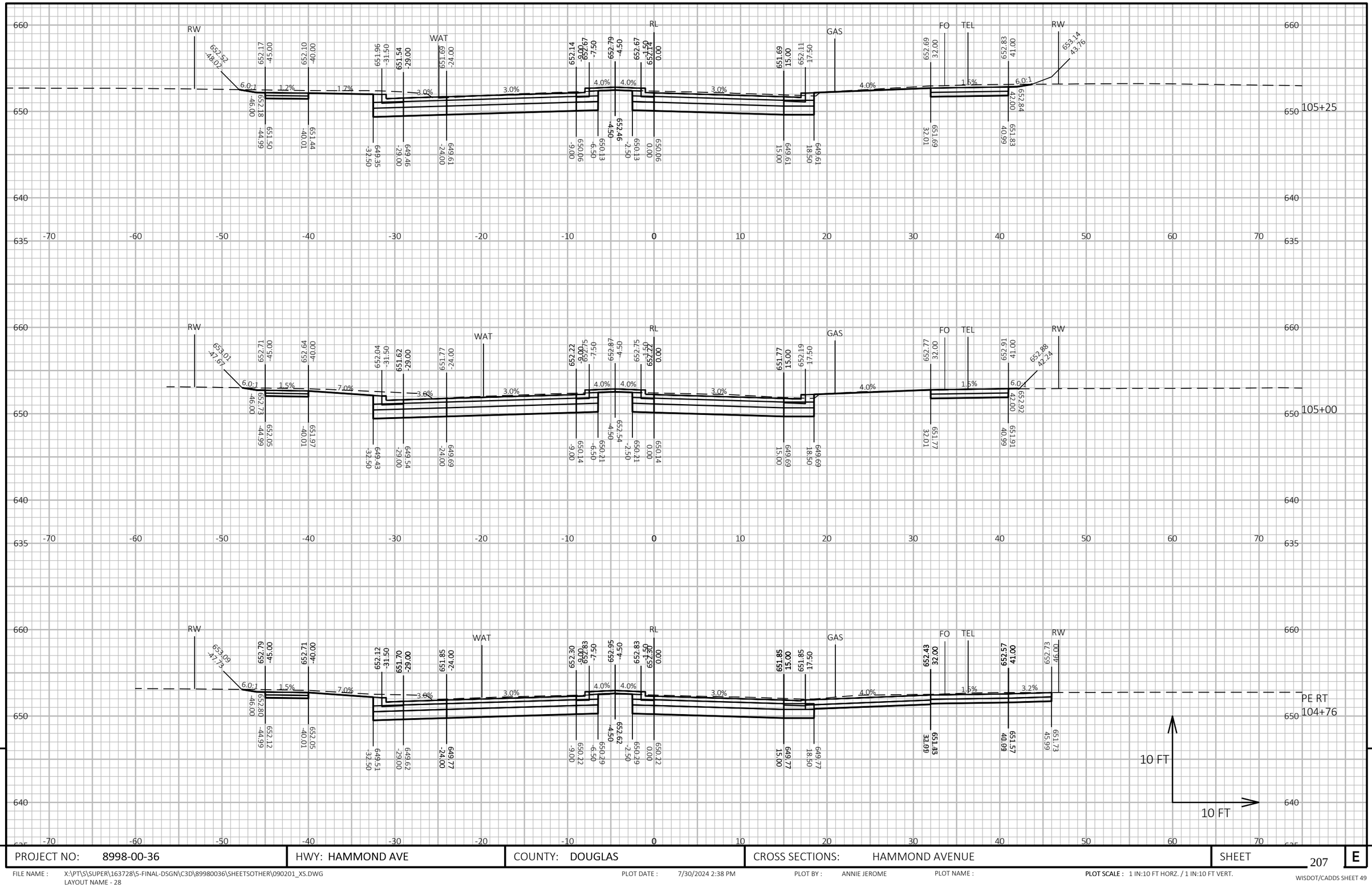
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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 206	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 27

PLOT DATE : 7/30/2024 2:37 PM PLOT BY : ANNIE JEROME PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 207	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 28

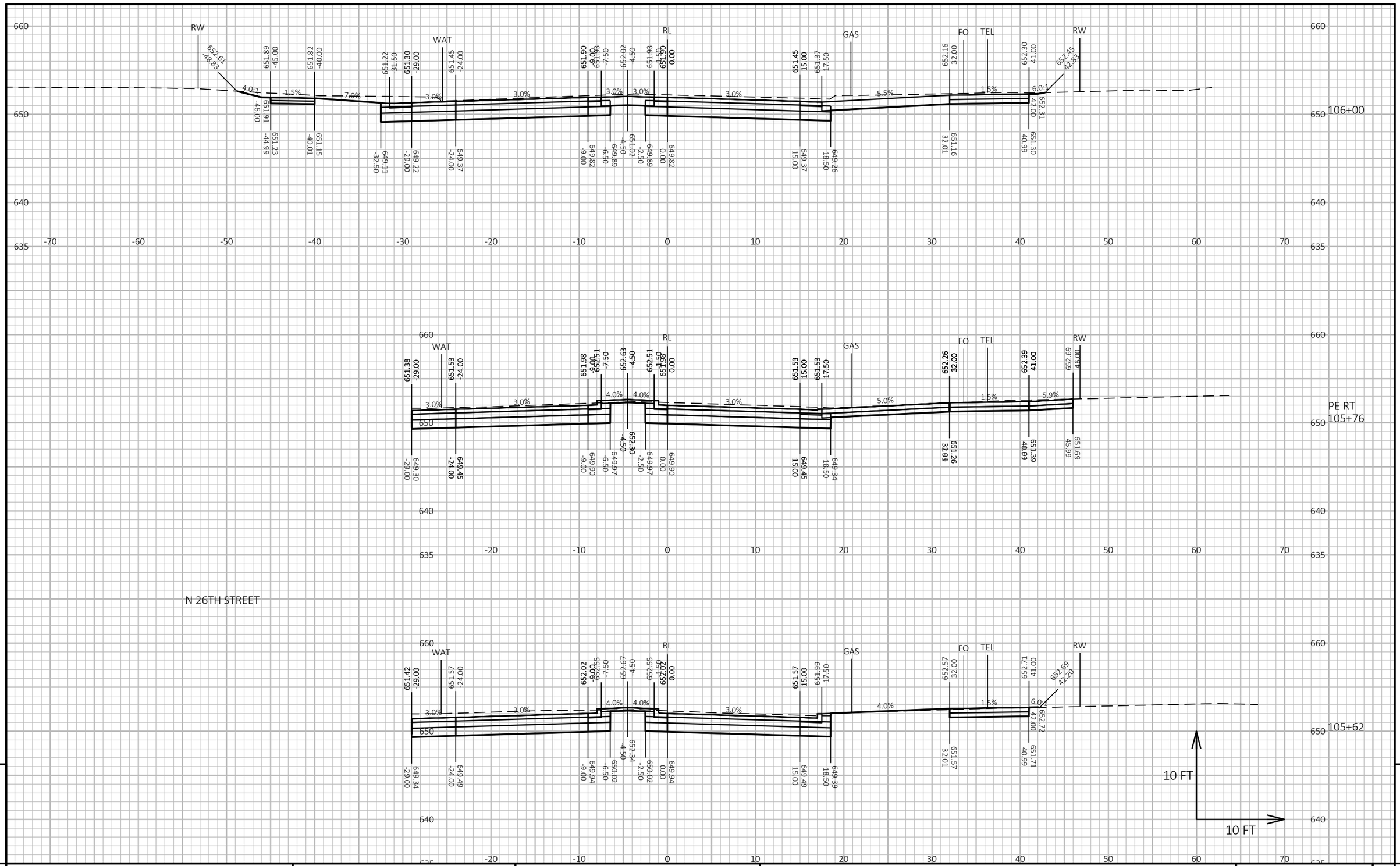
PLOT DATE : 7/30/2024 2:38 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

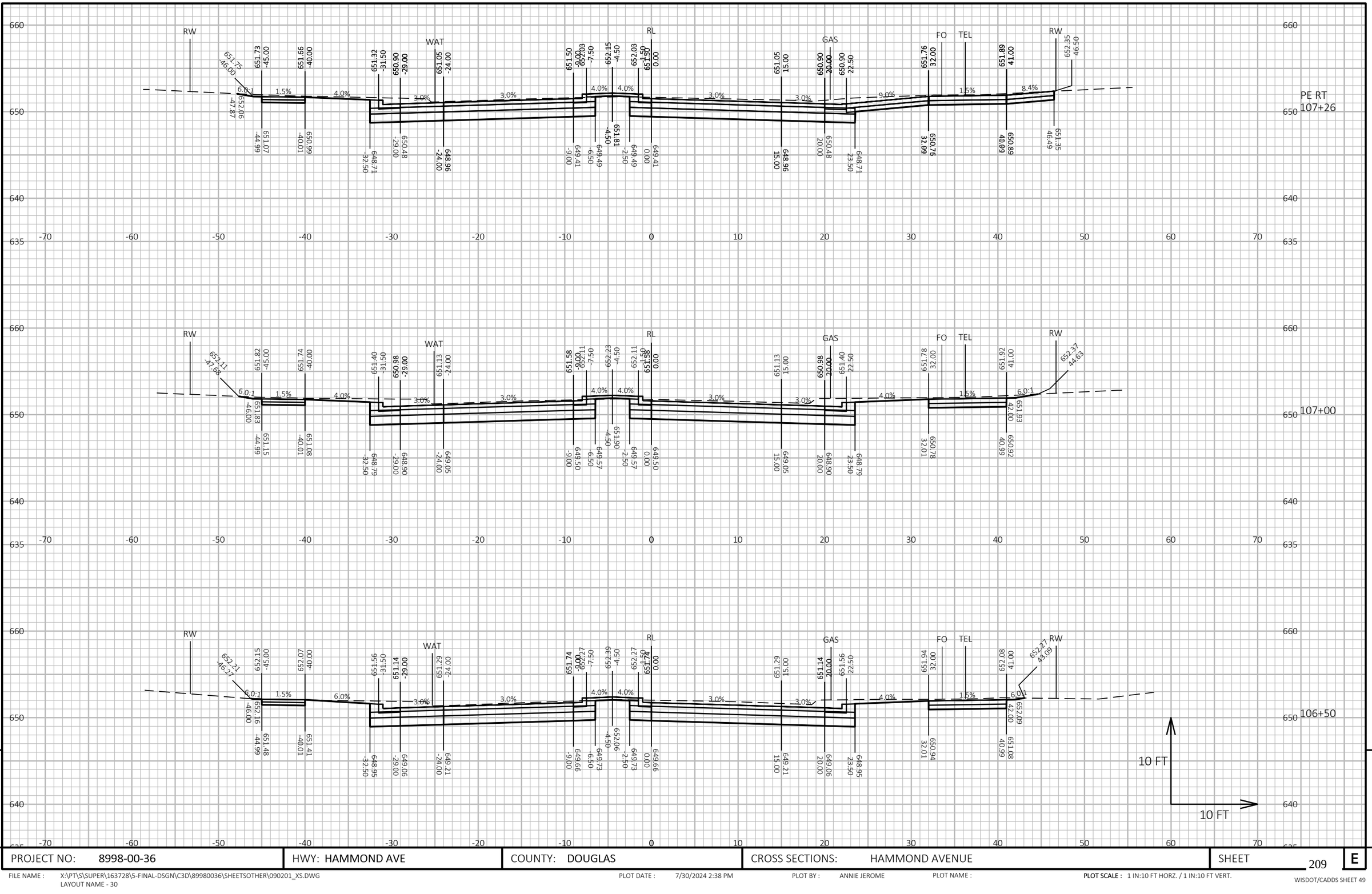
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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 208	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/30/2024 2:38 PM PLOT BY : ANNIE JEROME PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



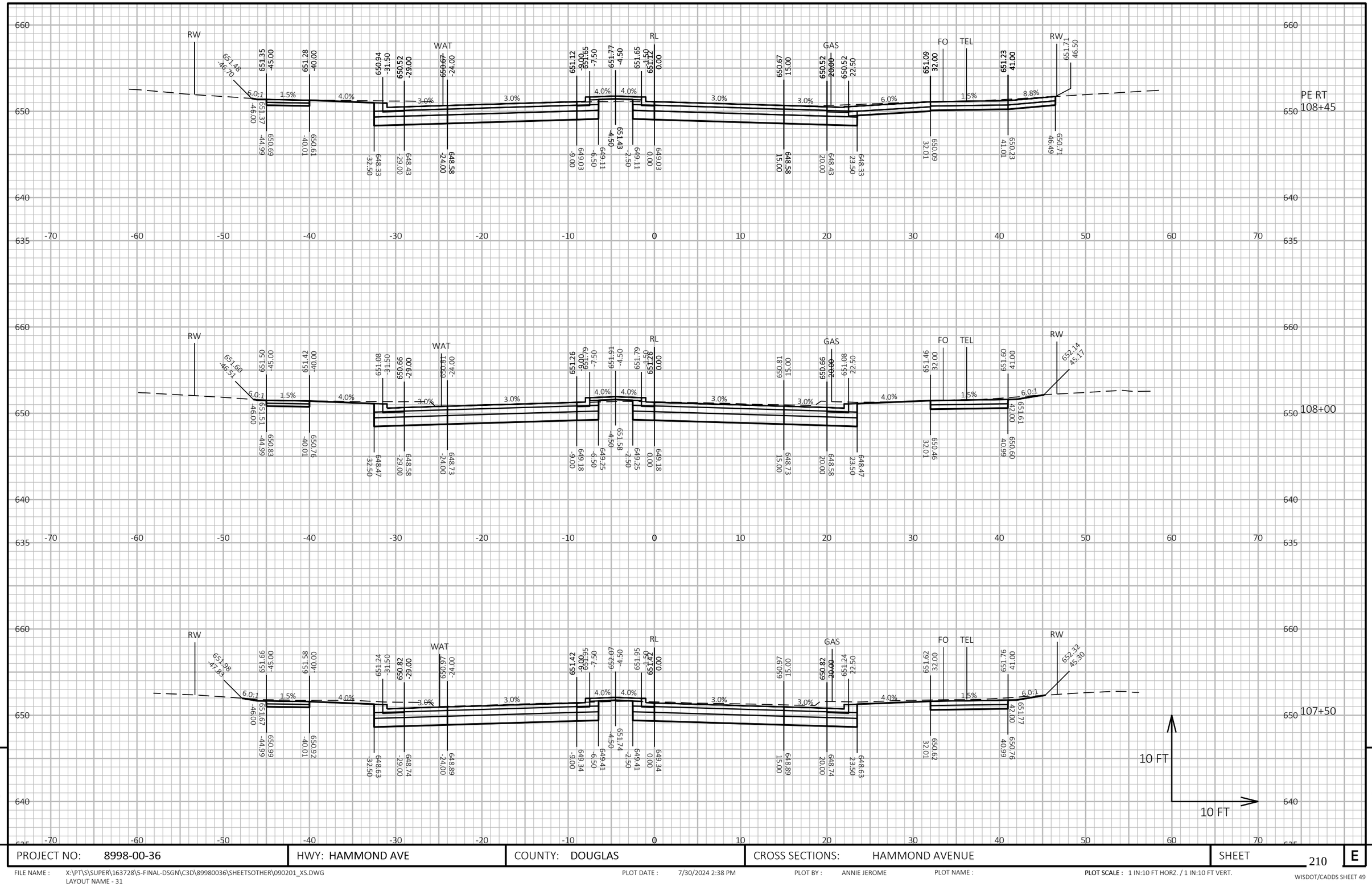
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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 209	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 30

PLOT DATE : 7/30/2024 2:38 PM PLOT BY : ANNIE JEROME PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 210 E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 31

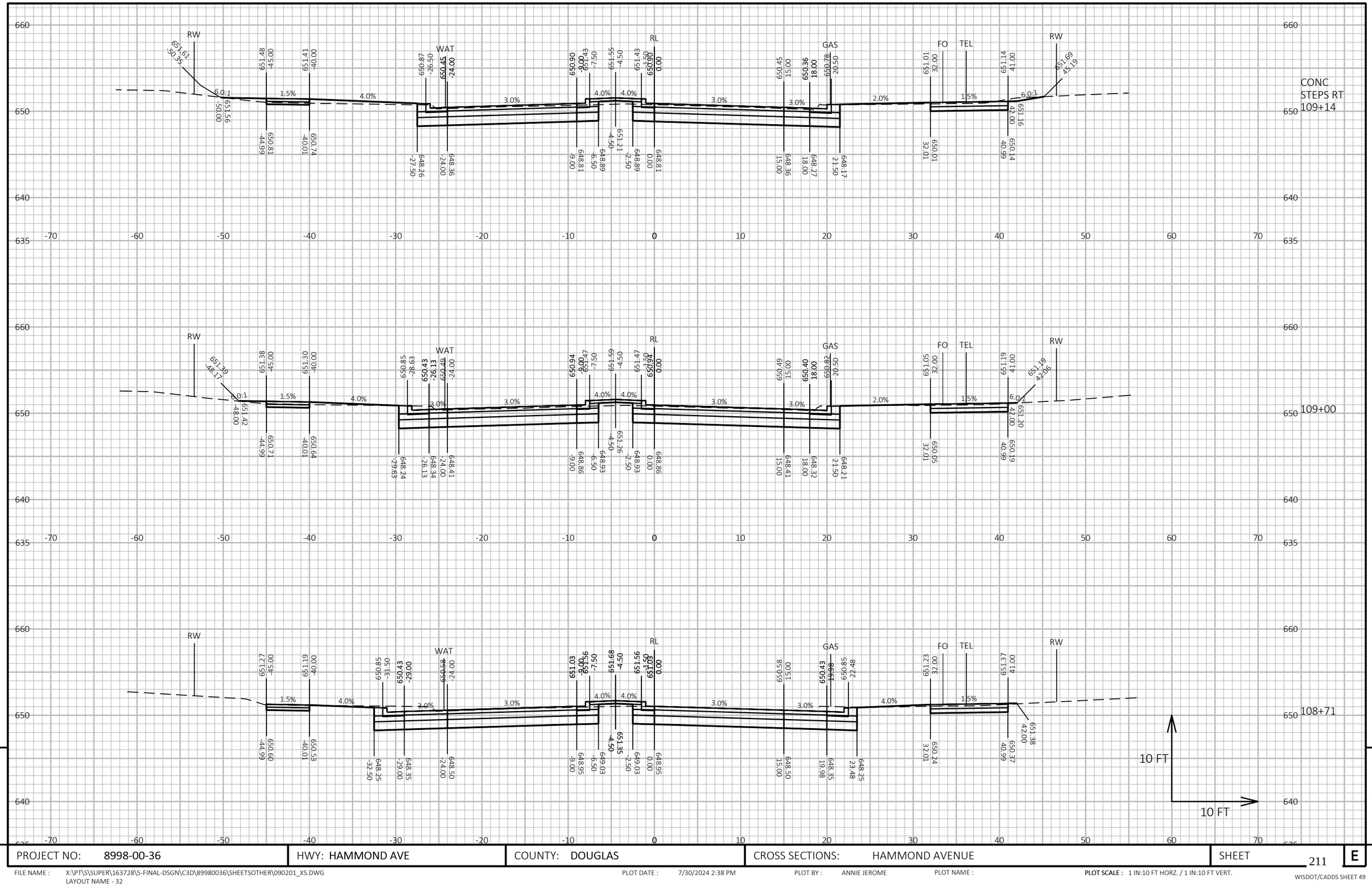
PLOT DATE : 7/30/2024 2:38 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 211	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 32

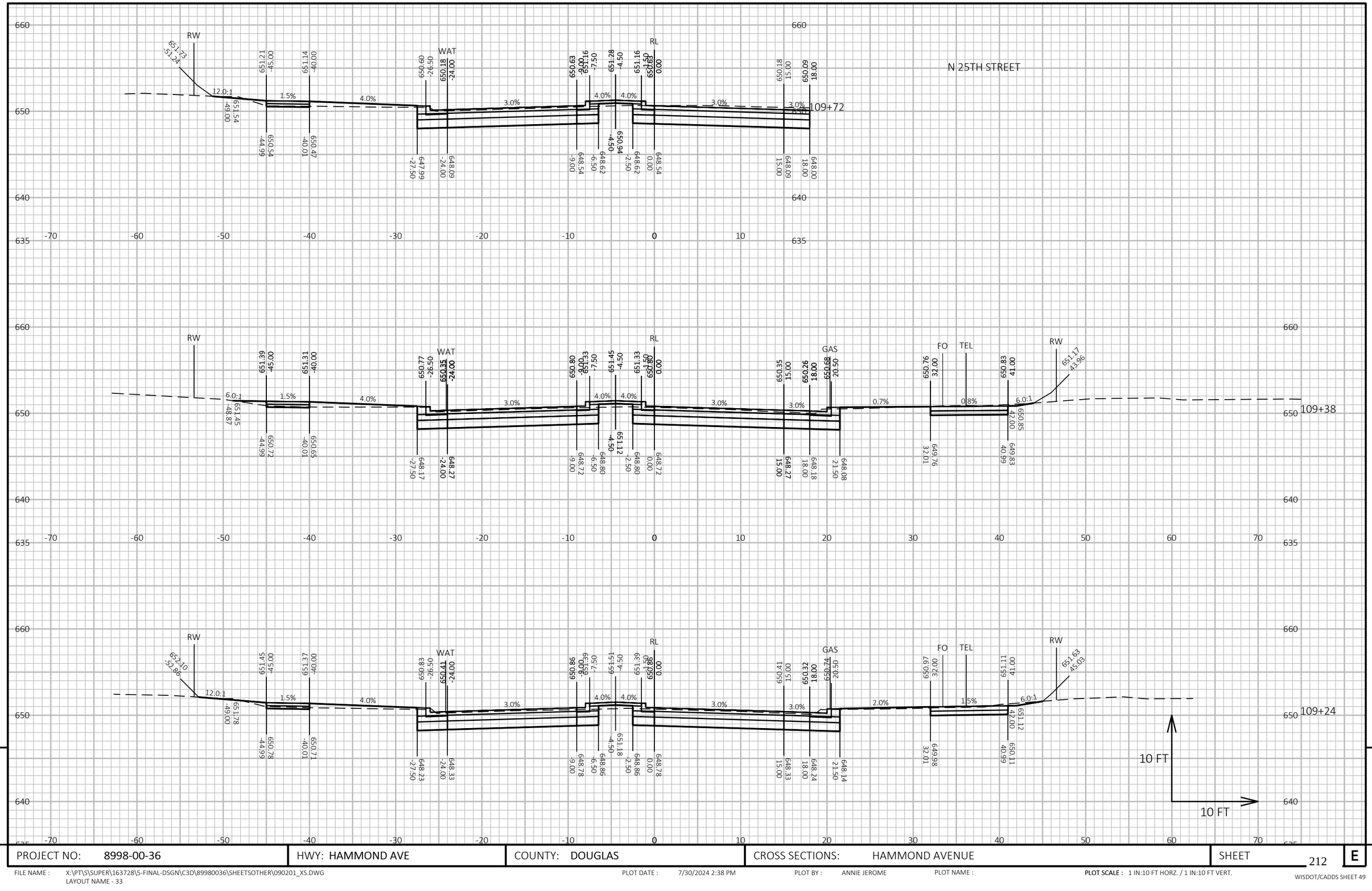
PLOT DATE : 7/30/2024 2:38 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 212	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 33

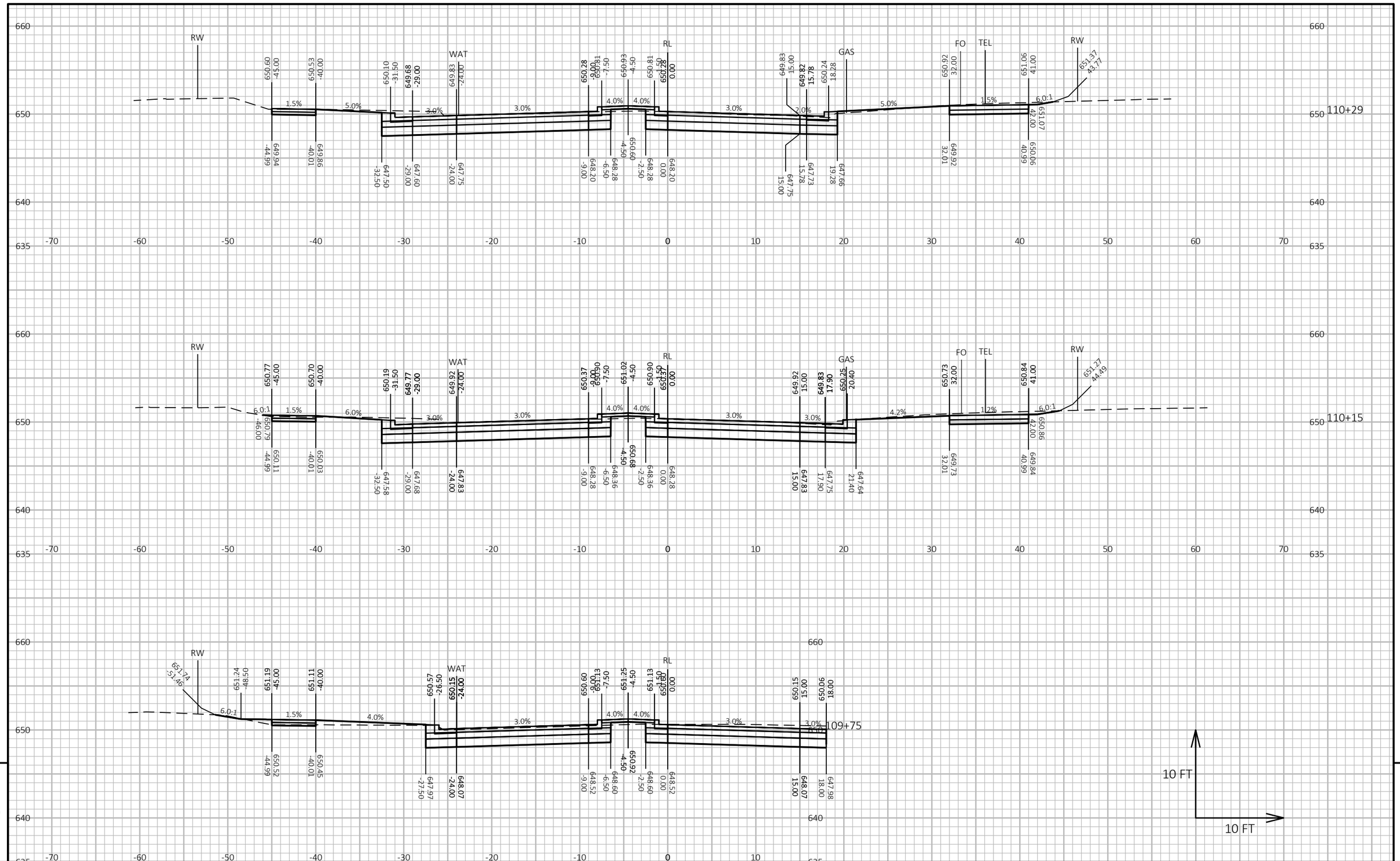
PLOT DATE : 7/30/2024 2:38 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 213	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 34

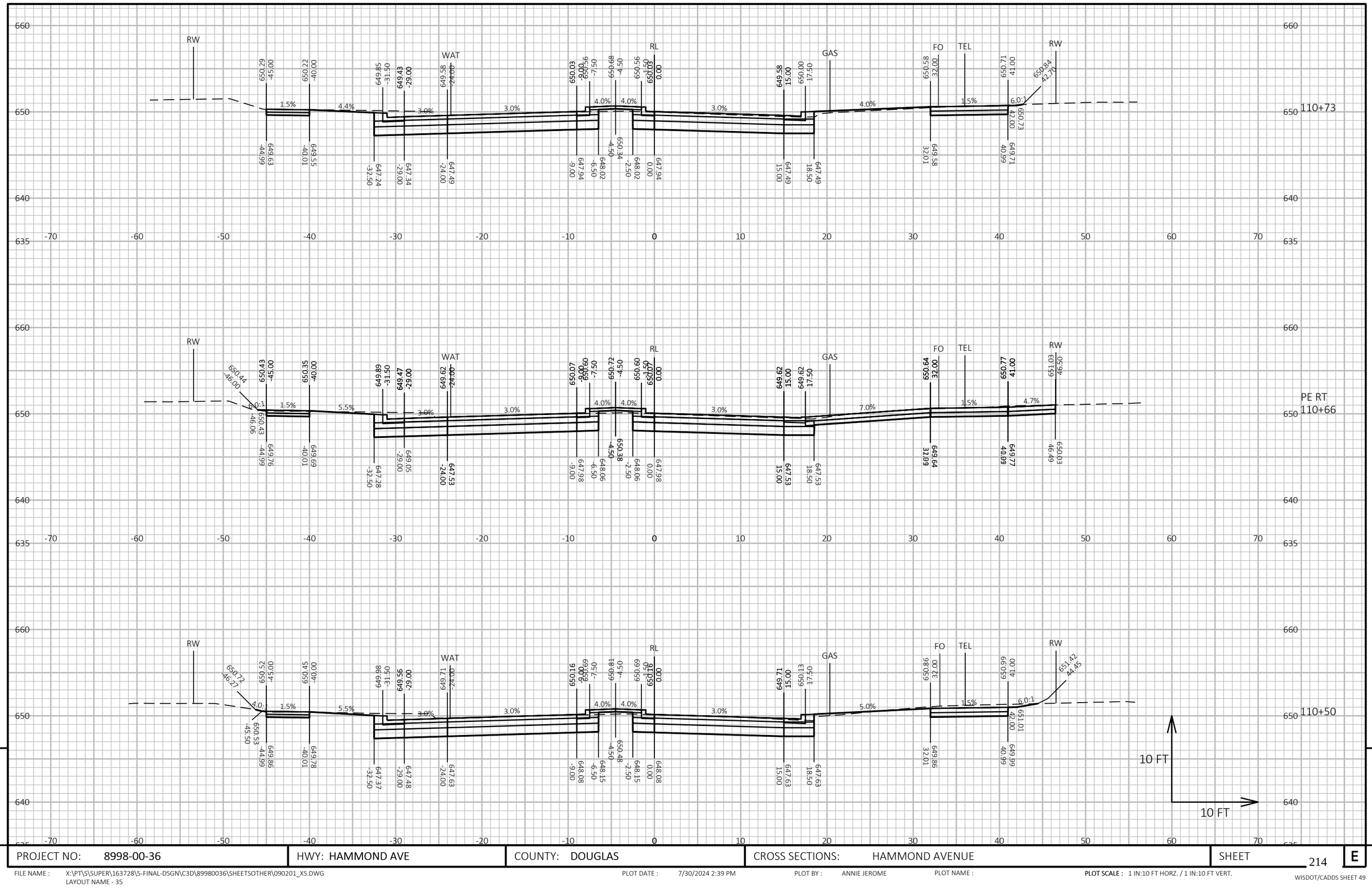
PLOT DATE : 7/30/2024 2:39 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 214	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 35

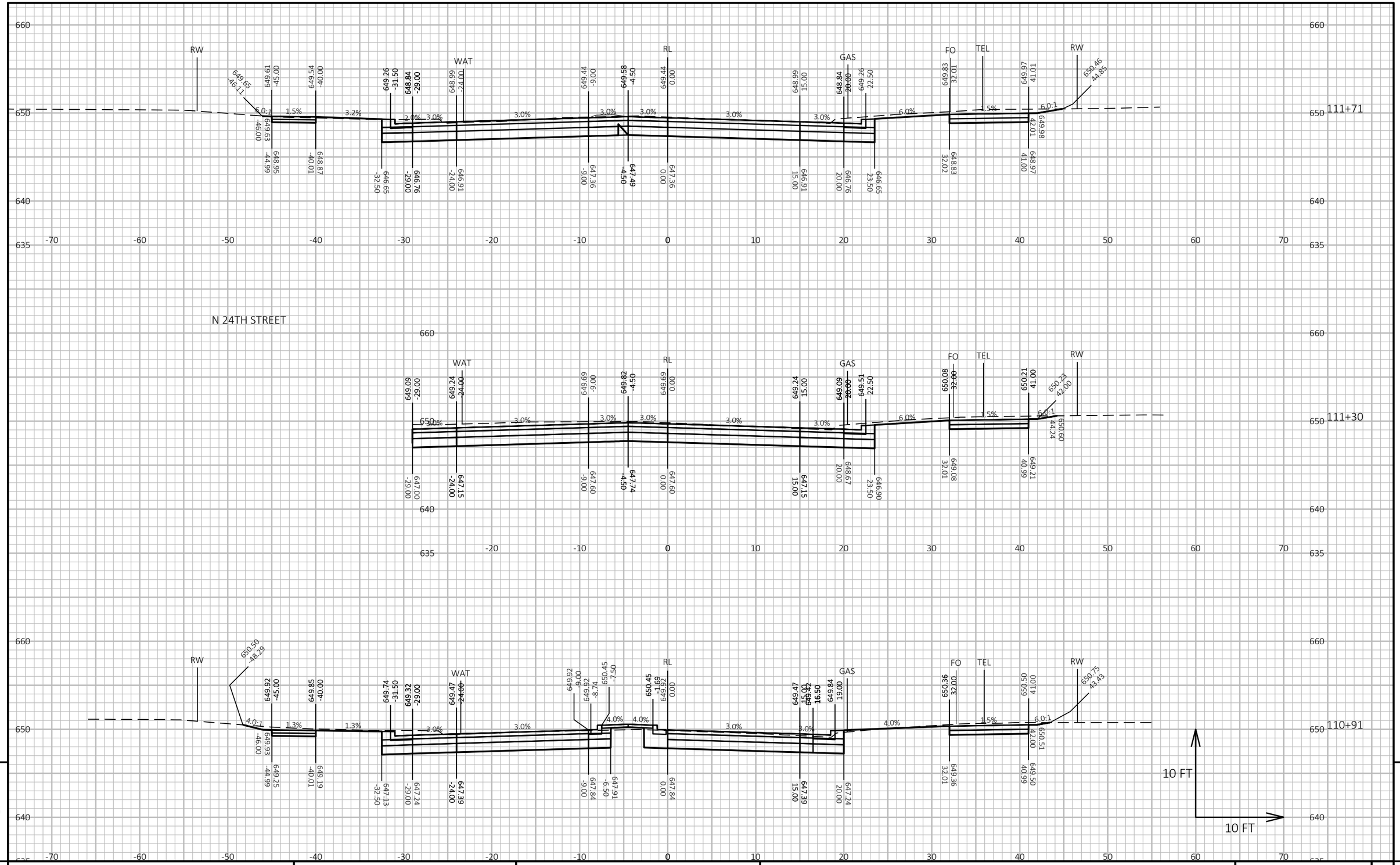
PLOT DATE : 7/30/2024 2:39 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 215 E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 36

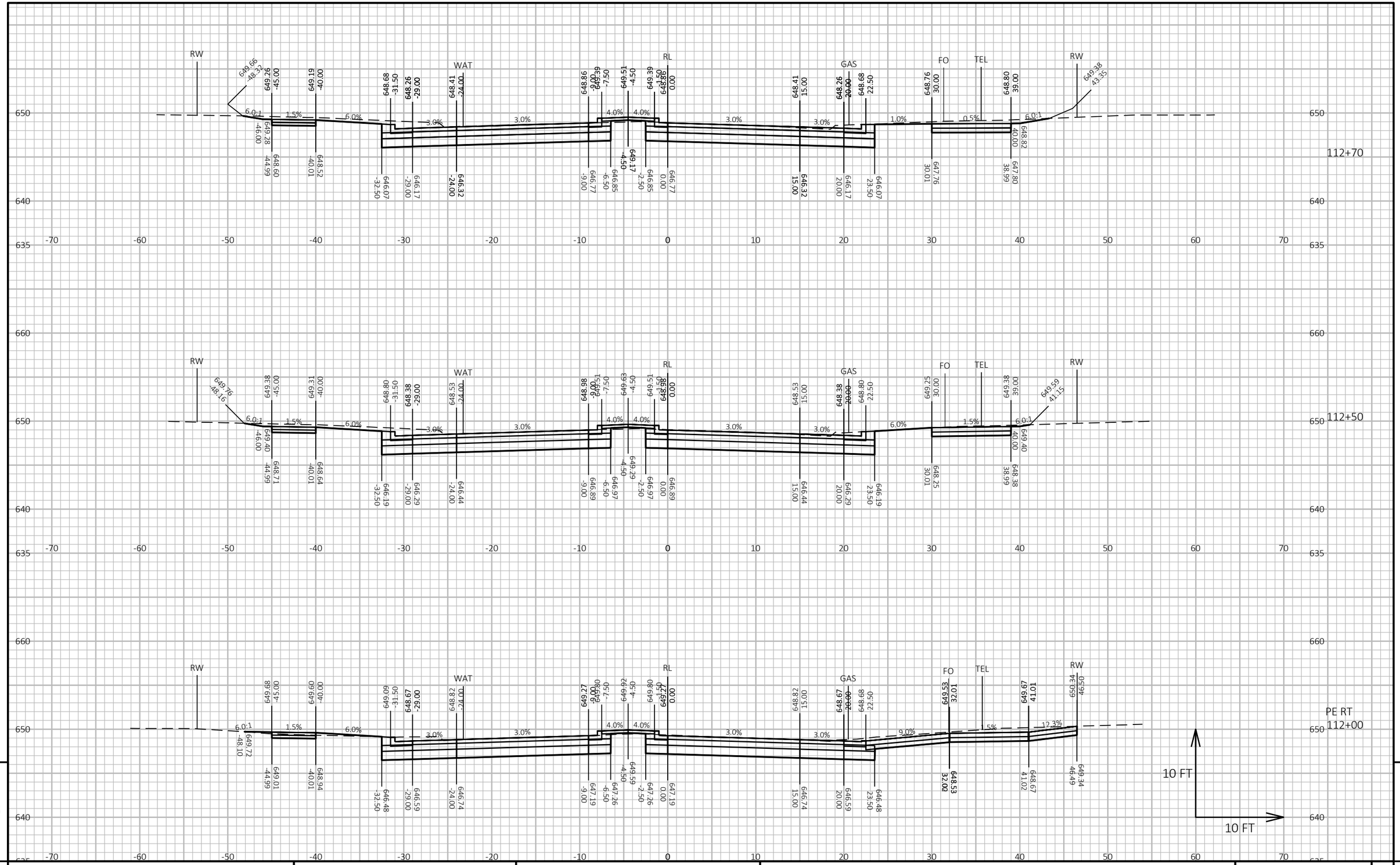
PLOT DATE : 7/30/2024 2:39 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 216	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 37

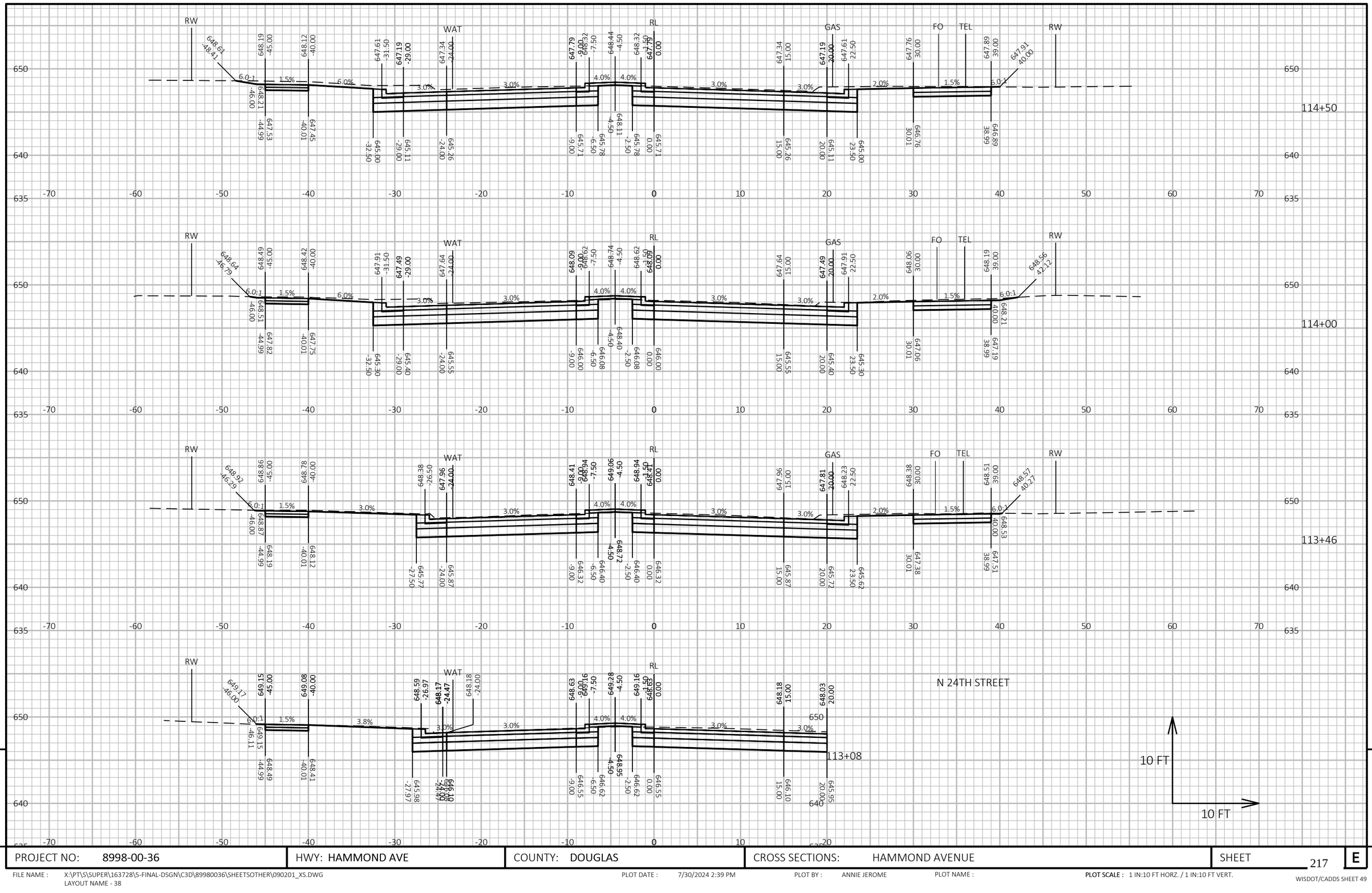
PLOT DATE : 7/30/2024 2:39 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 217 E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 38

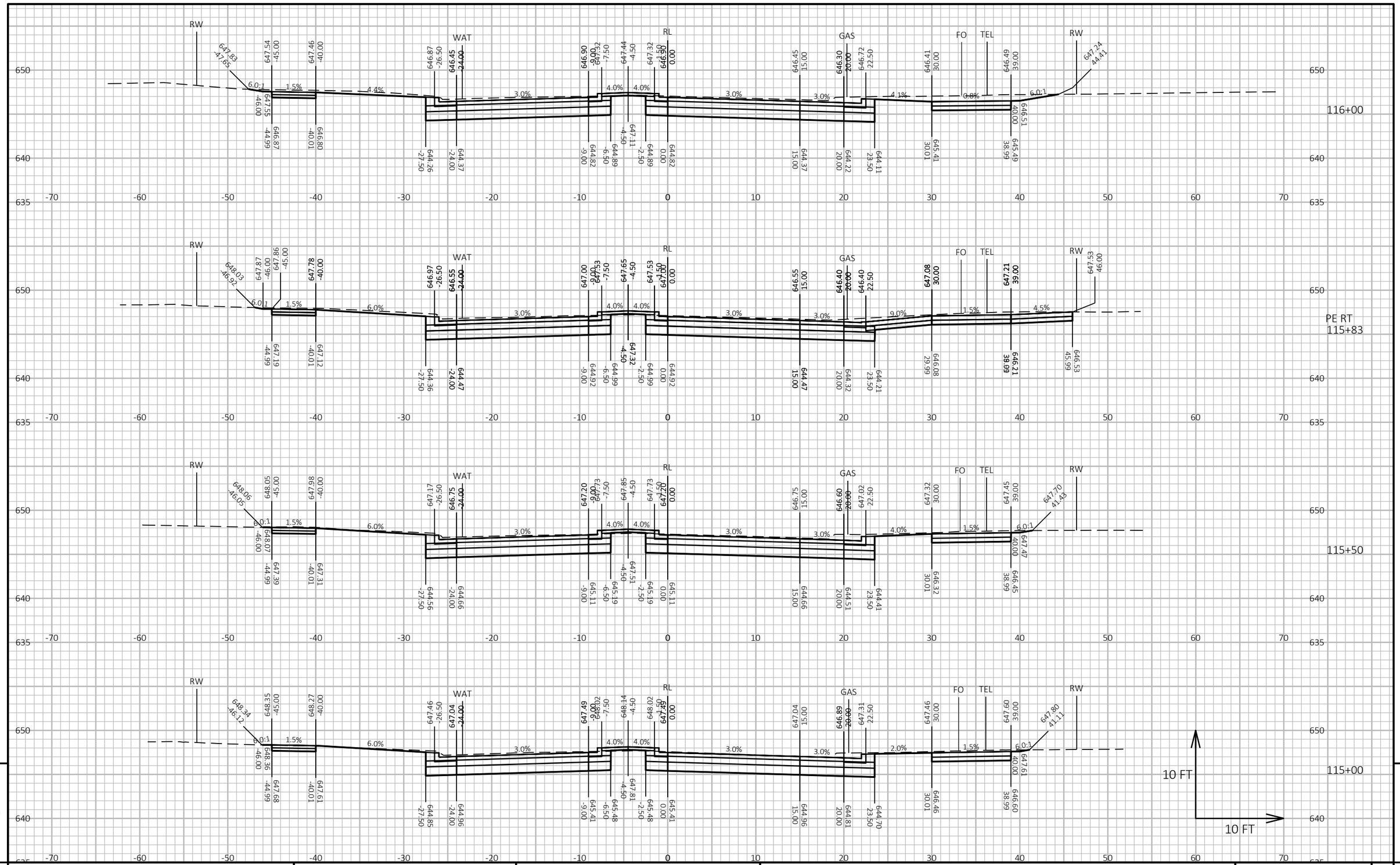
PLOT DATE : 7/30/2024 2:39 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 218	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 39

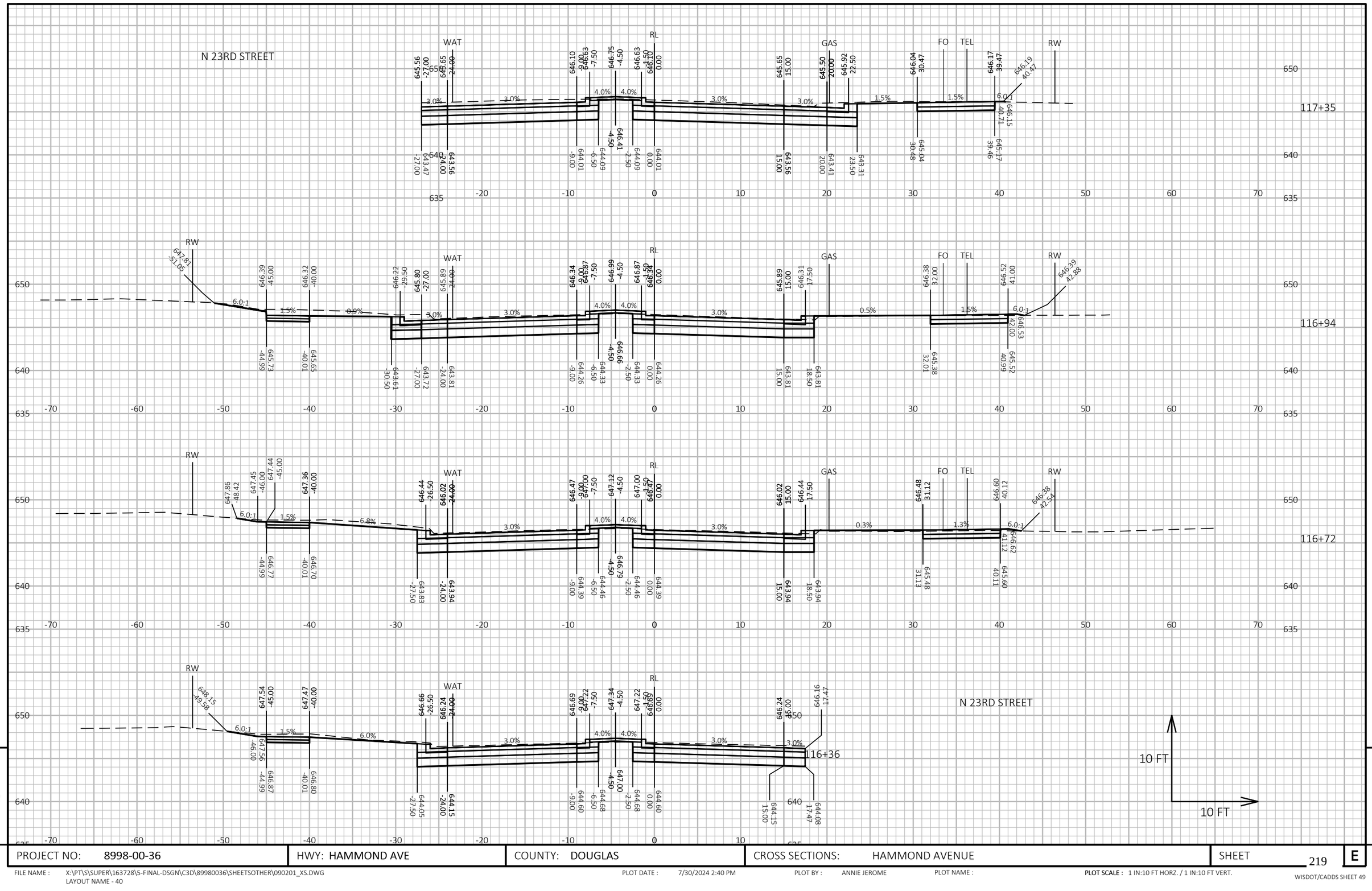
PLOT DATE : 7/30/2024 2:39 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 219	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 40

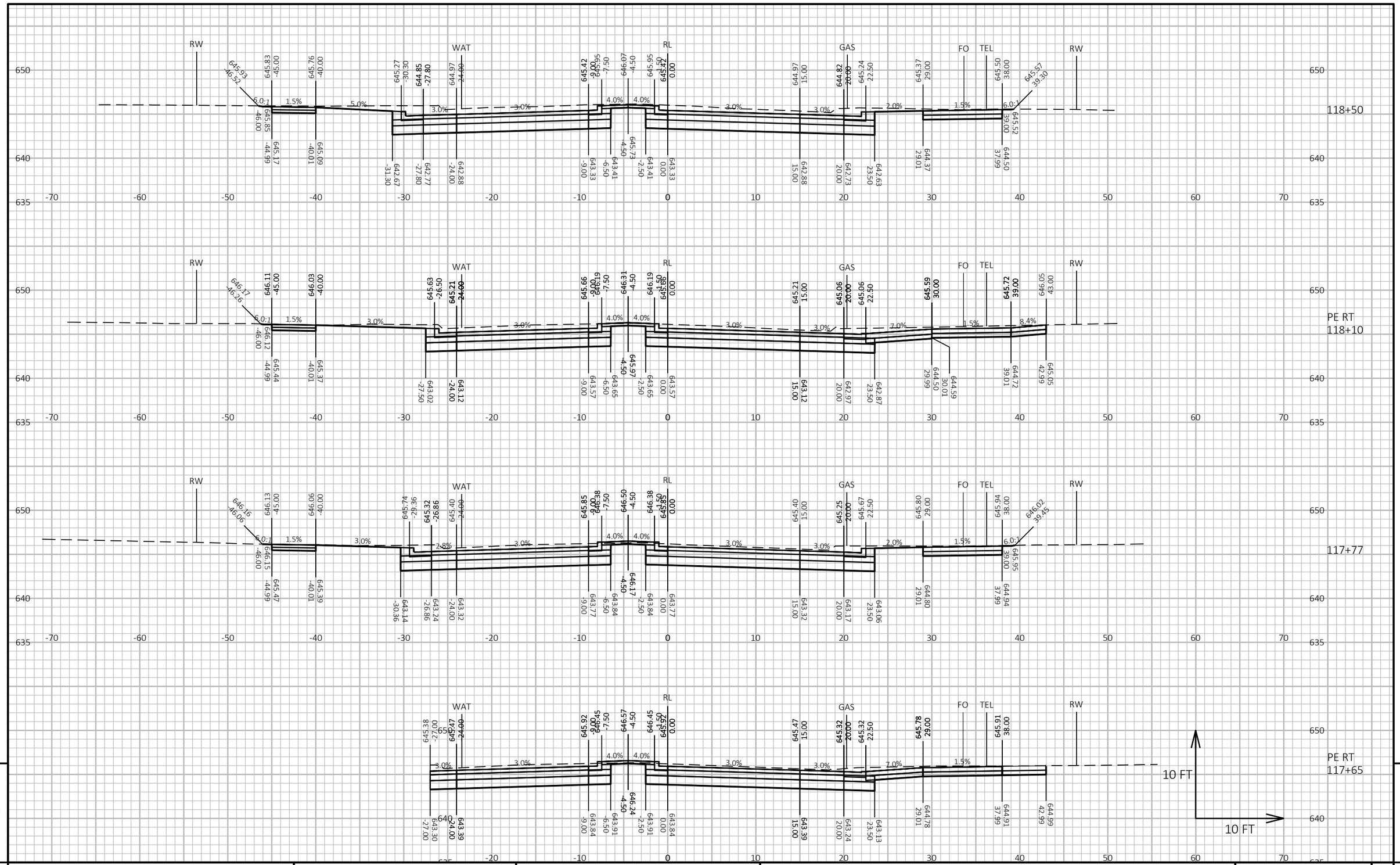
PLOT DATE : 7/30/2024 2:40 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 220	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 41

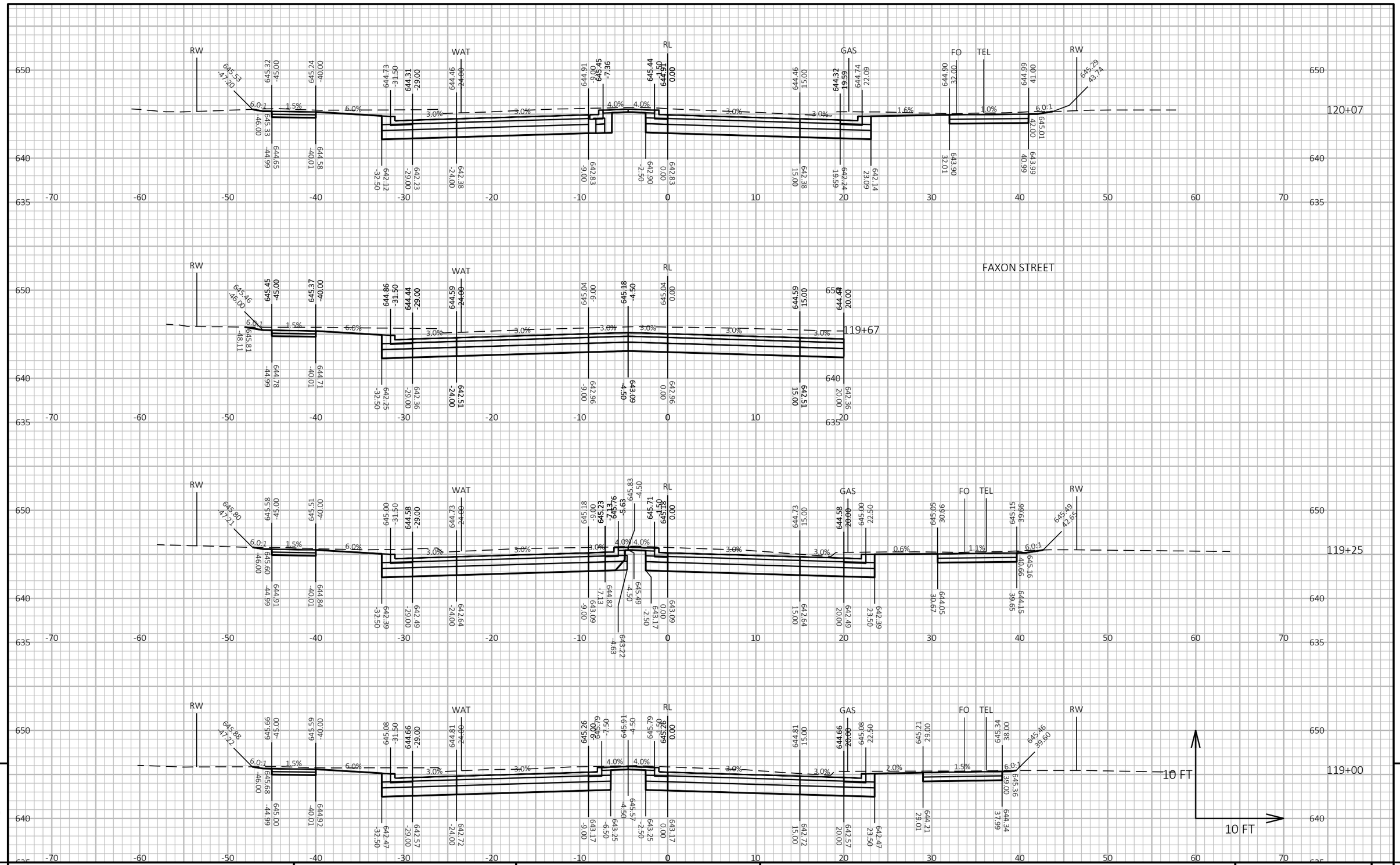
PLOT DATE : 7/30/2024 2:40 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 221	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 42

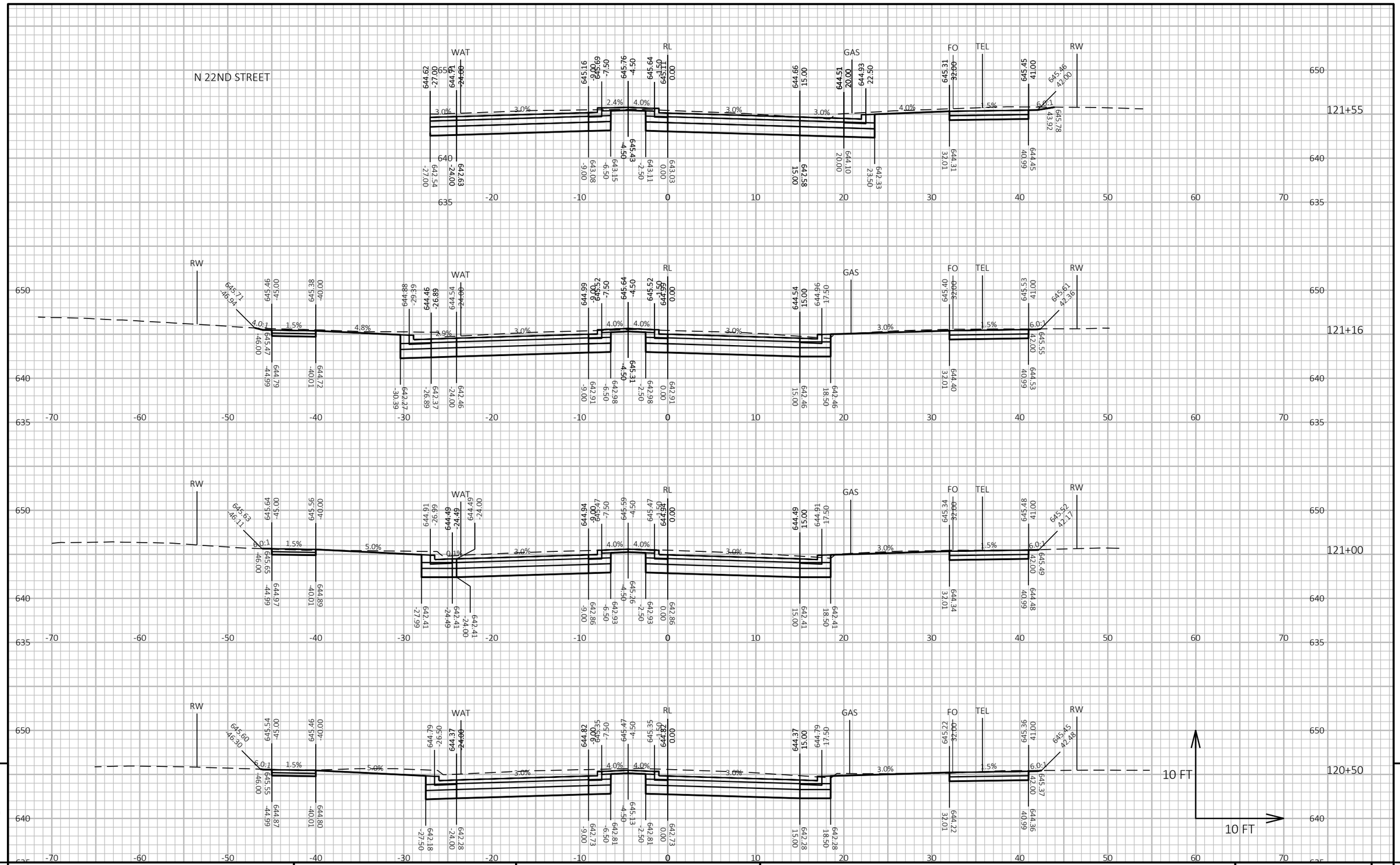
PLOT DATE : 7/30/2024 2:40 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 222	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 43

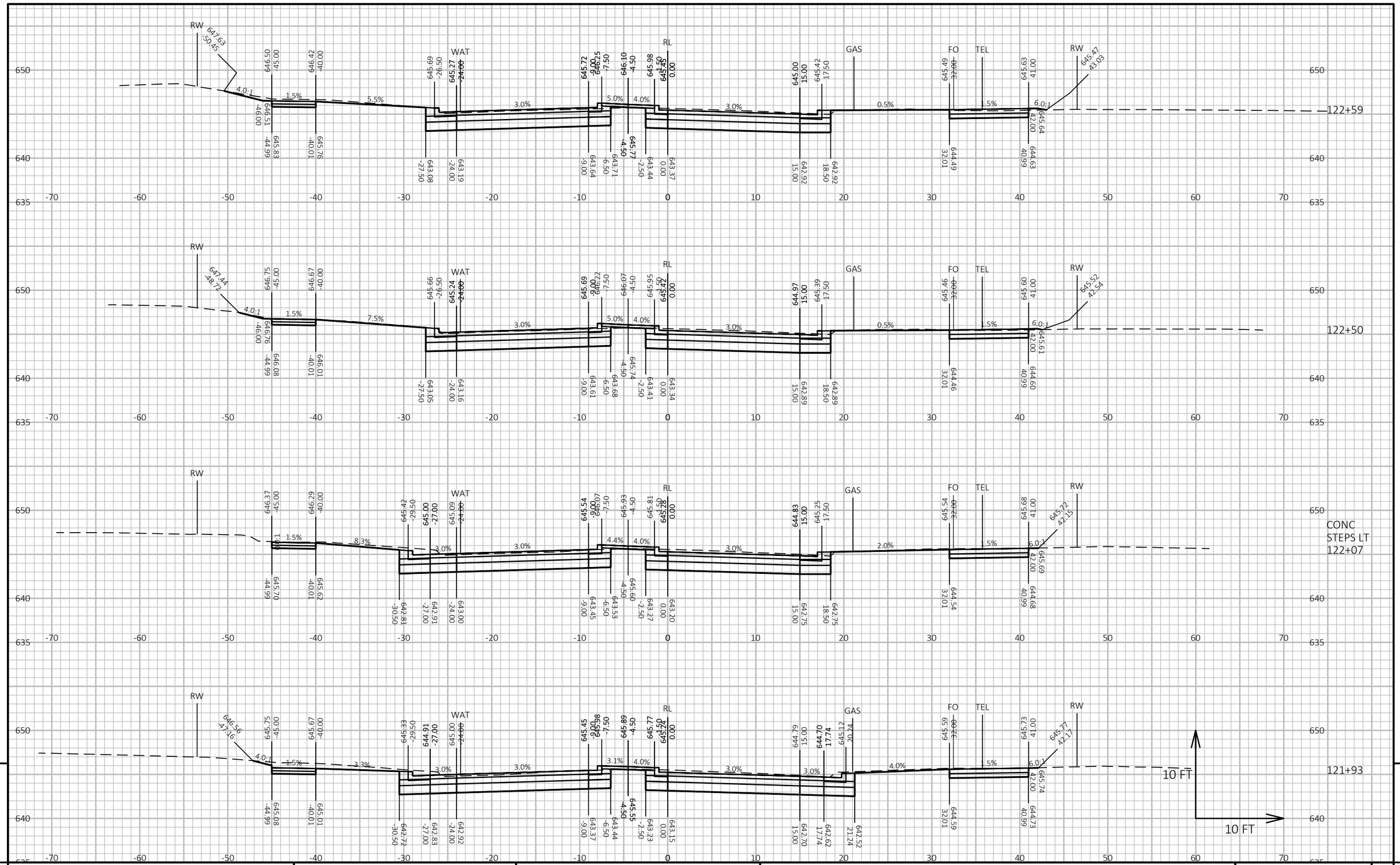
PLOT DATE : 7/30/2024 2:40 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 223 E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 44

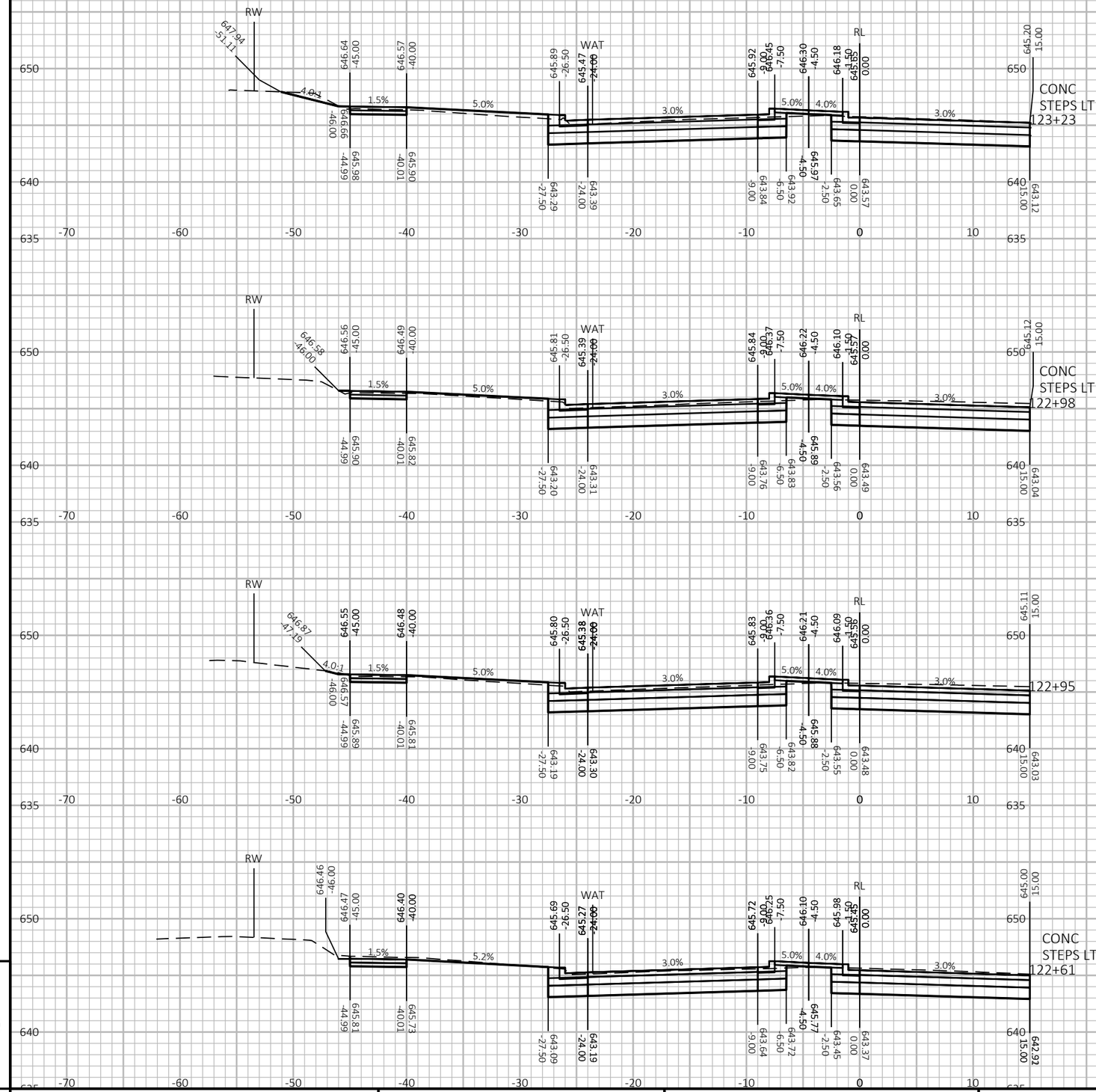
PLOT DATE : 7/30/2024 2:40 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 224	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 45

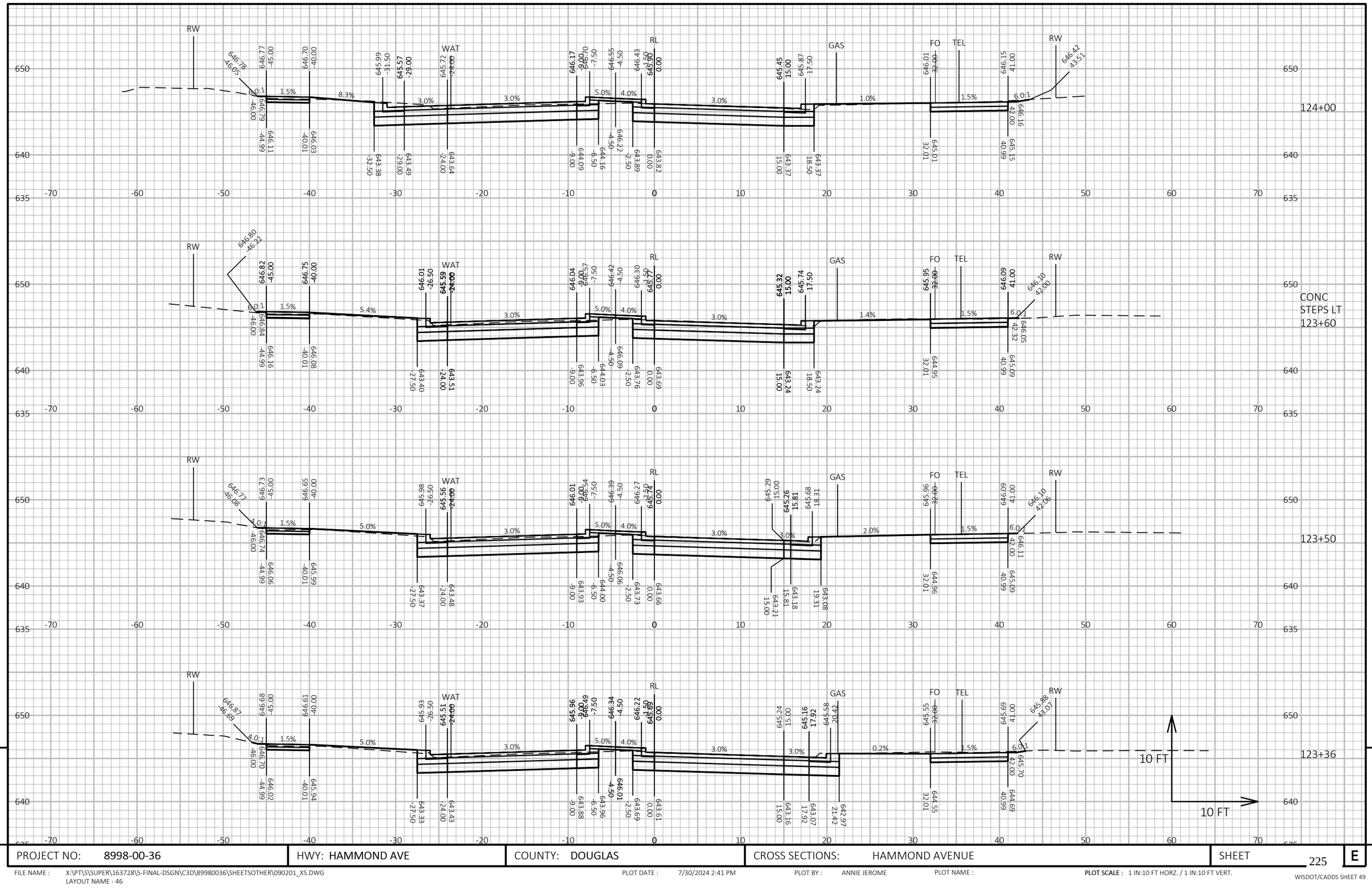
PLOT DATE : 7/30/2024 2:40 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 225	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 46

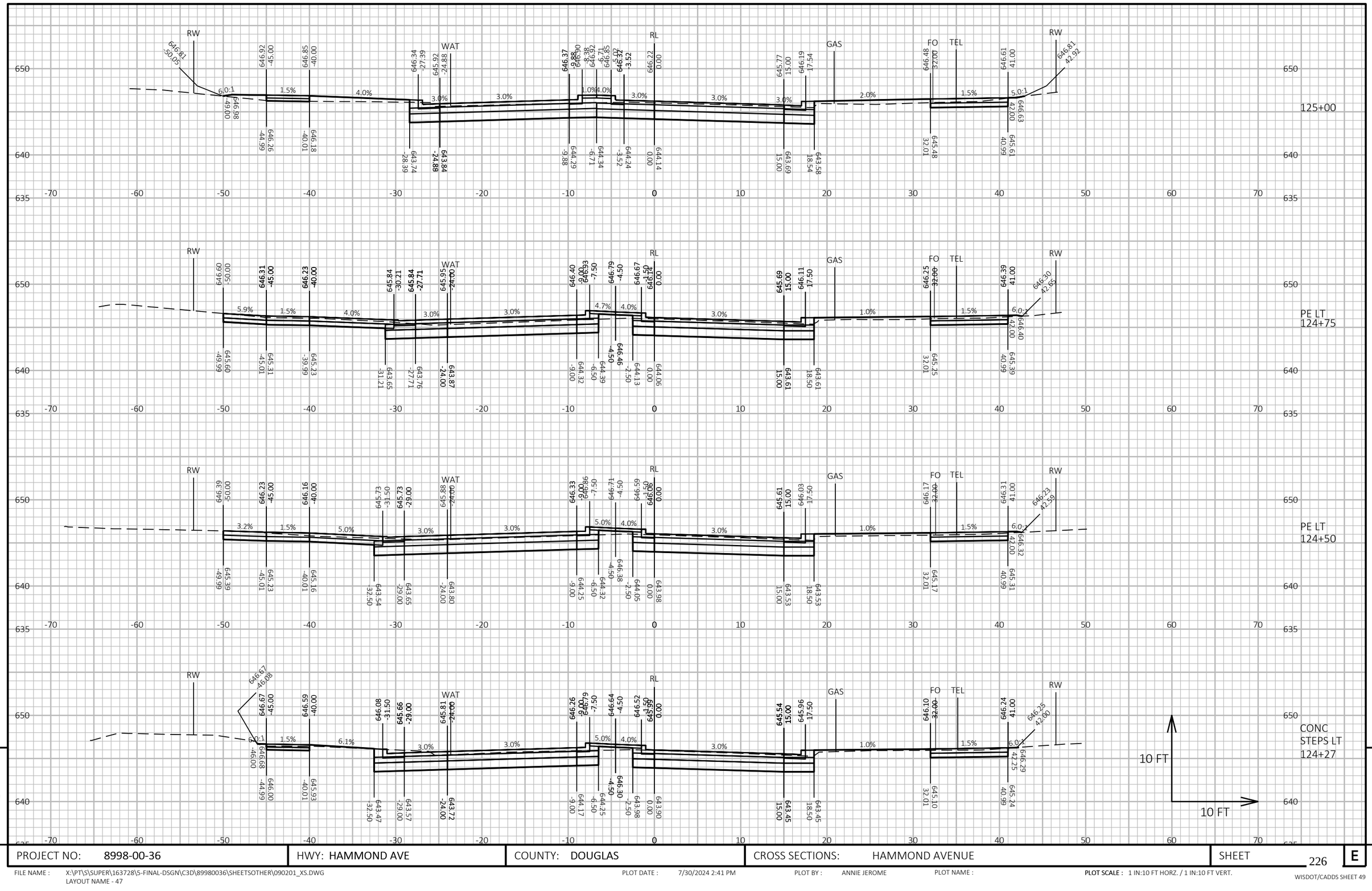
PLOT DATE : 7/30/2024 2:41 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 226	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 47

PLOT DATE : 7/30/2024 2:41 PM

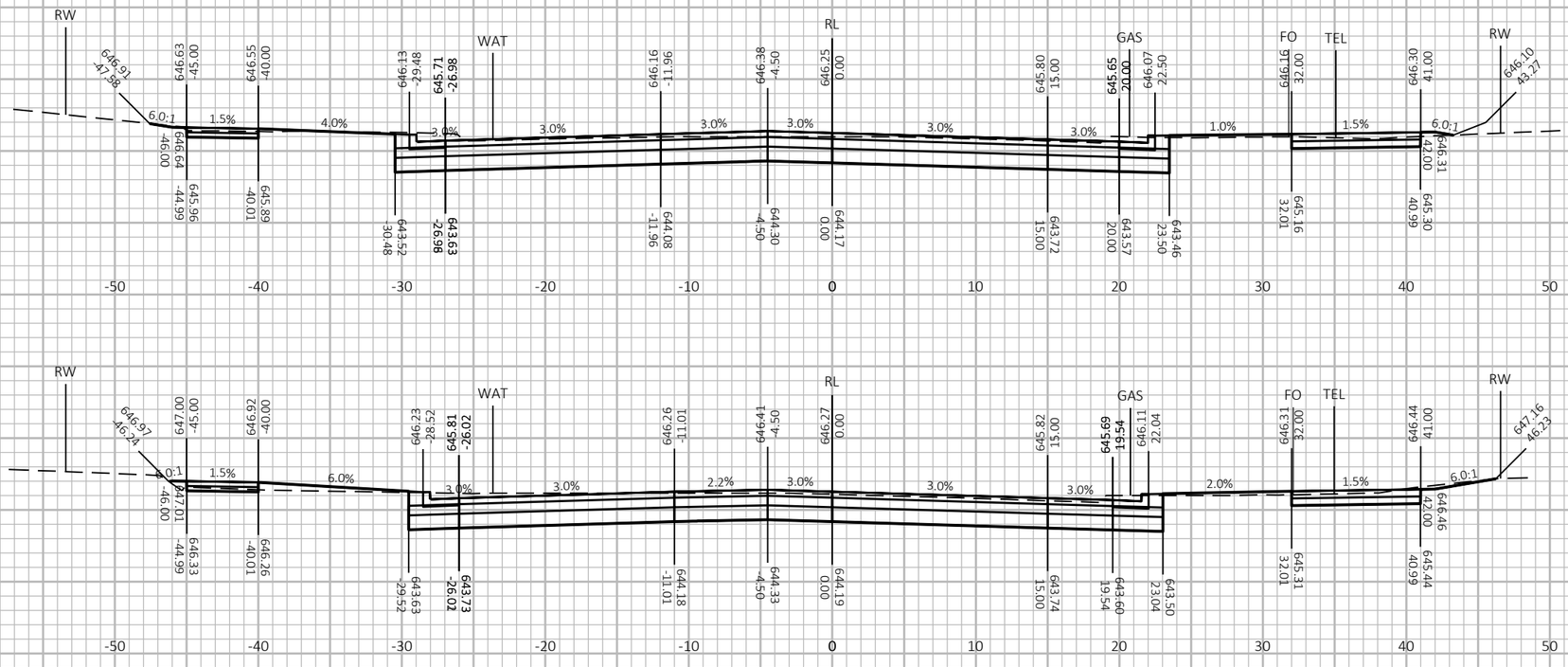
PLOT BY : ANNIE JEROME

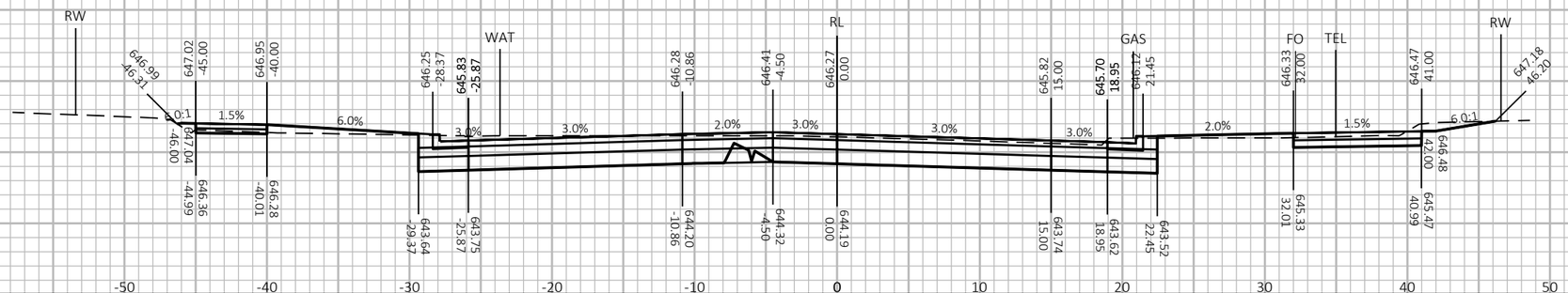
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END PROJECT
STA 125+75.00





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PROJECT NO: 8998-00-36	HWY: HAMMOND AVE	COUNTY: DOUGLAS	CROSS SECTIONS: HAMMOND AVENUE	SHEET 227	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090201_XS.DWG
LAYOUT NAME - 48

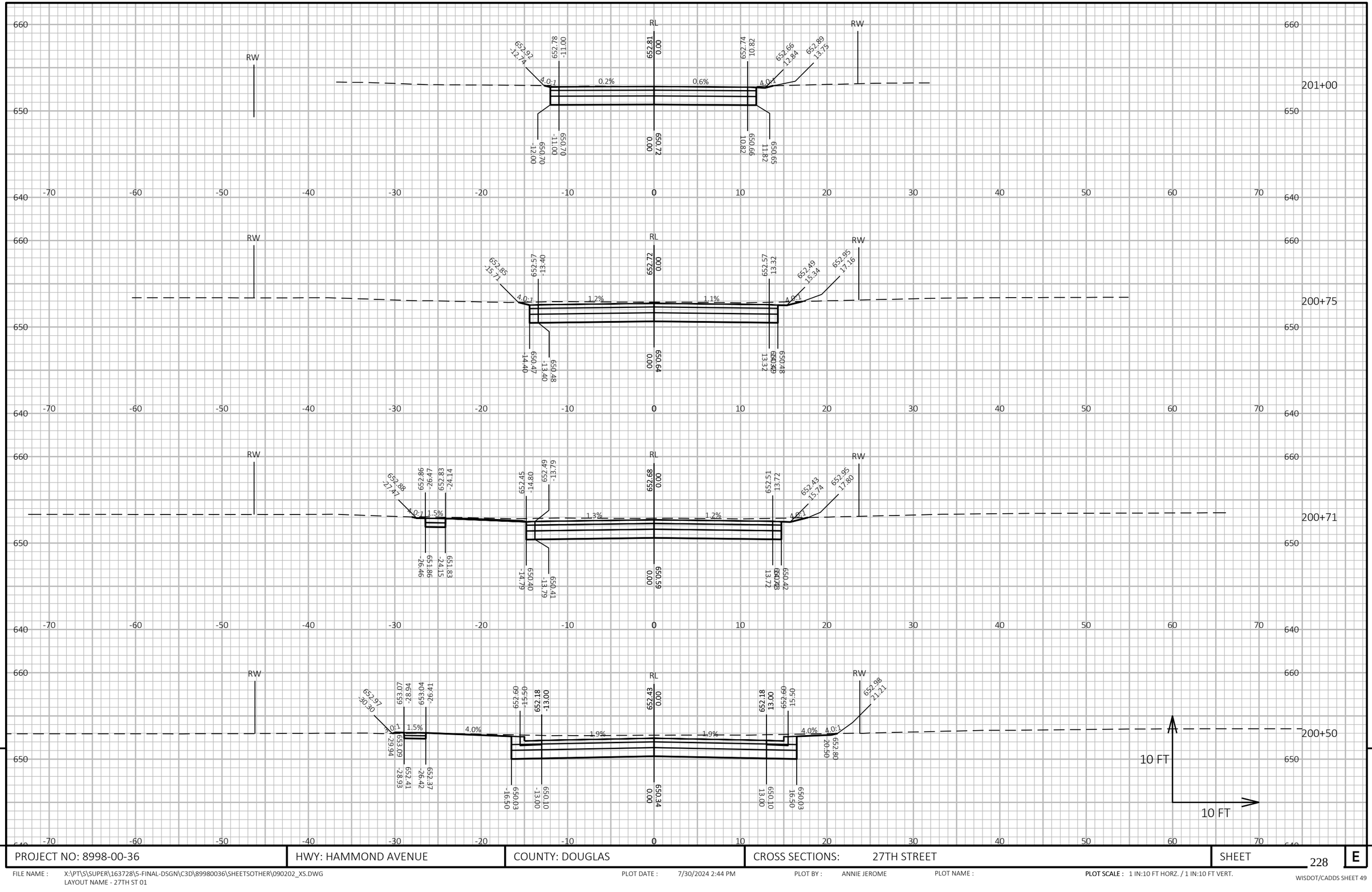
PLOT DATE : 7/30/2024 2:41 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 27TH STREET	SHEET 228	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 27TH ST 01

PLOT DATE : 7/30/2024 2:44 PM

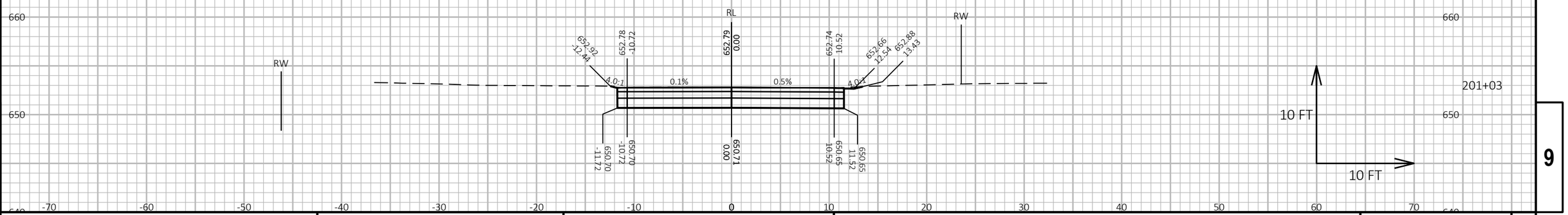
PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 201+03.00



9

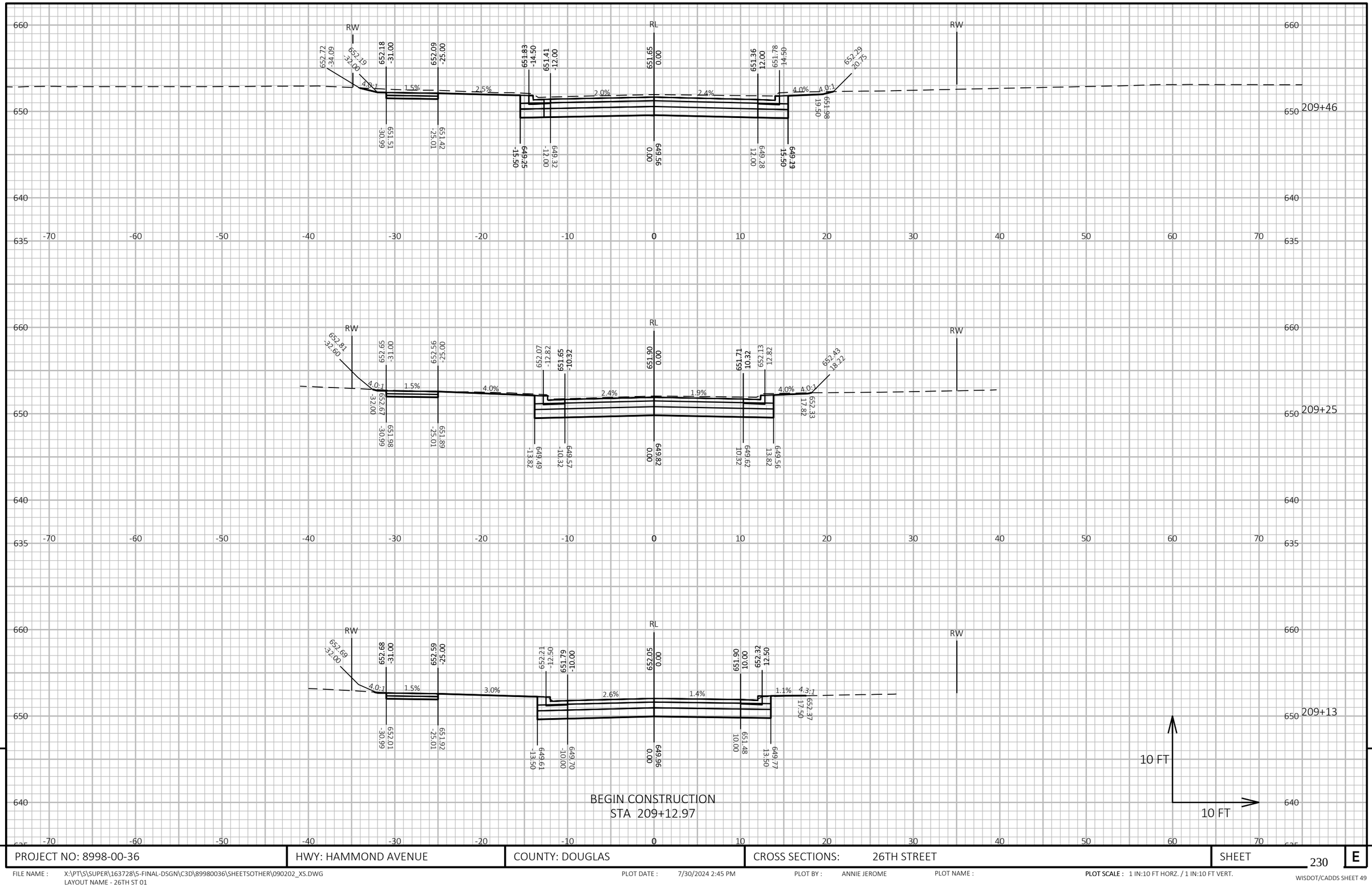
9

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 27TH STREET	SHEET 229	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 27TH ST 02

PLOT DATE : 7/30/2024 2:44 PM PLOT BY : ANNIE JEROME PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9 9

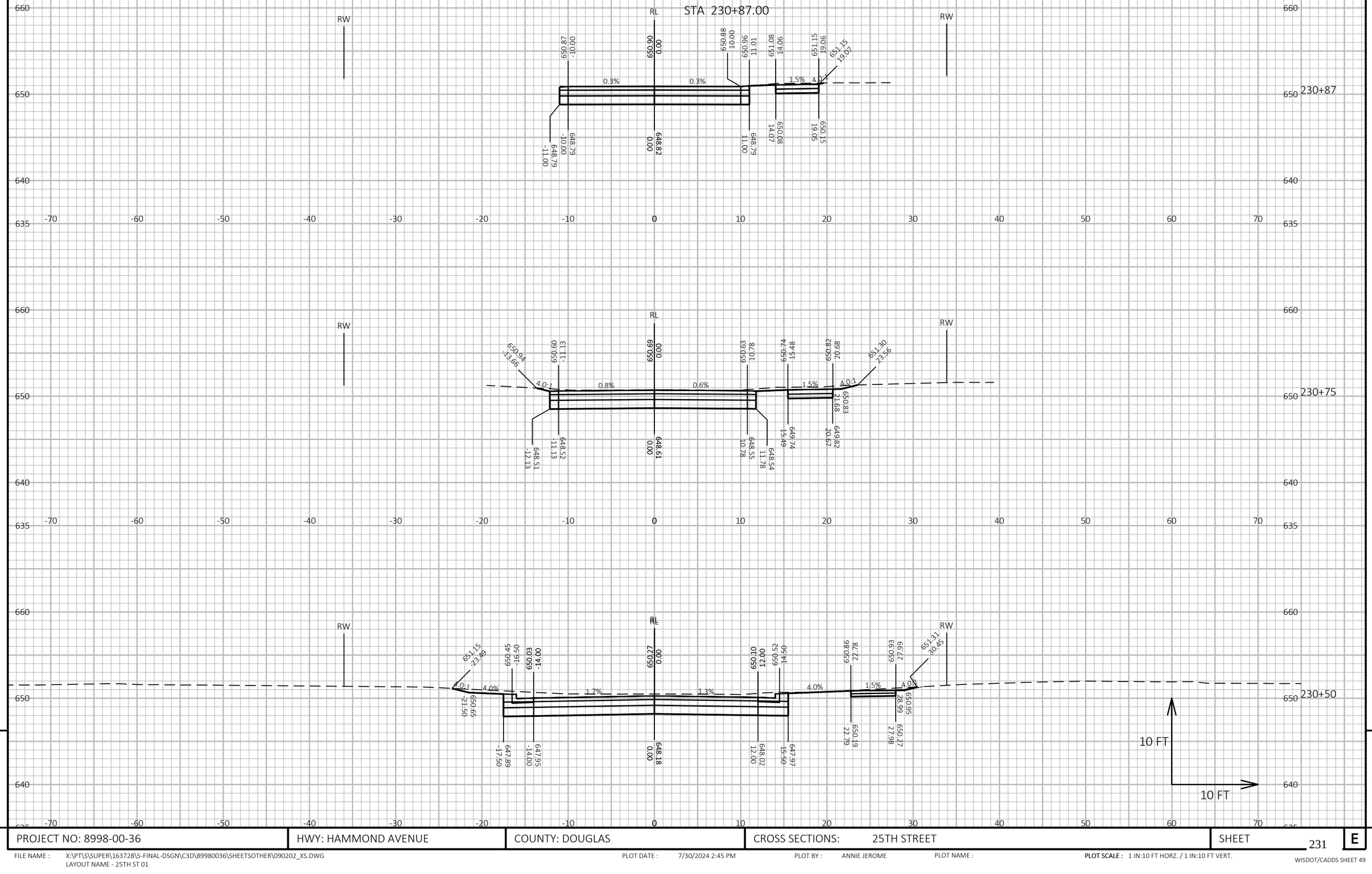
PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 26TH STREET	SHEET 230	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 26TH ST 01

PLOT DATE : 7/30/2024 2:45 PM PLOT BY : ANNIE JEROME PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 230+87.00



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 25TH STREET	SHEET 231	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 25TH ST 01

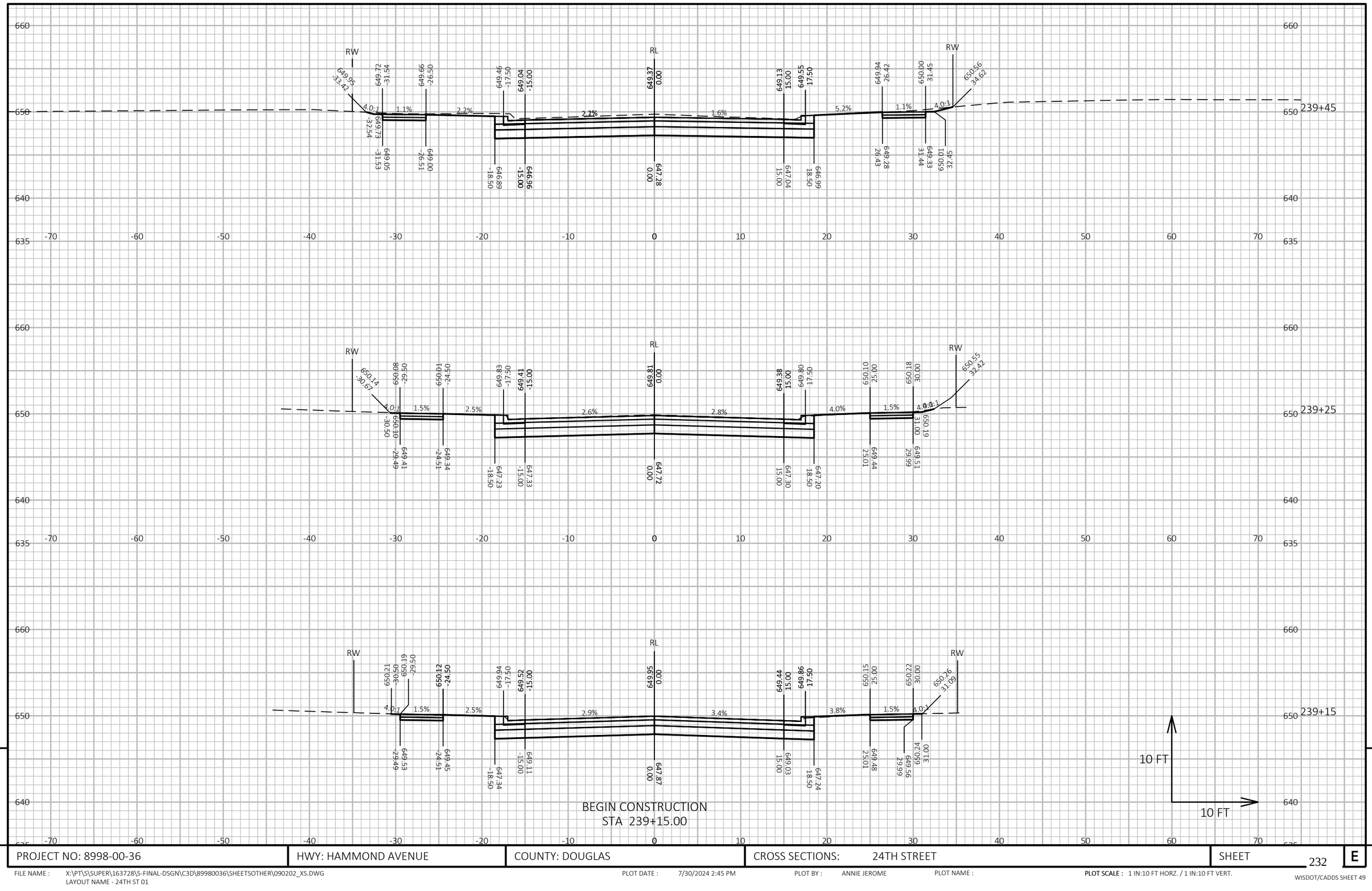
PLOT DATE : 7/30/2024 2:45 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 24TH STREET	SHEET 232	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 24TH ST 01

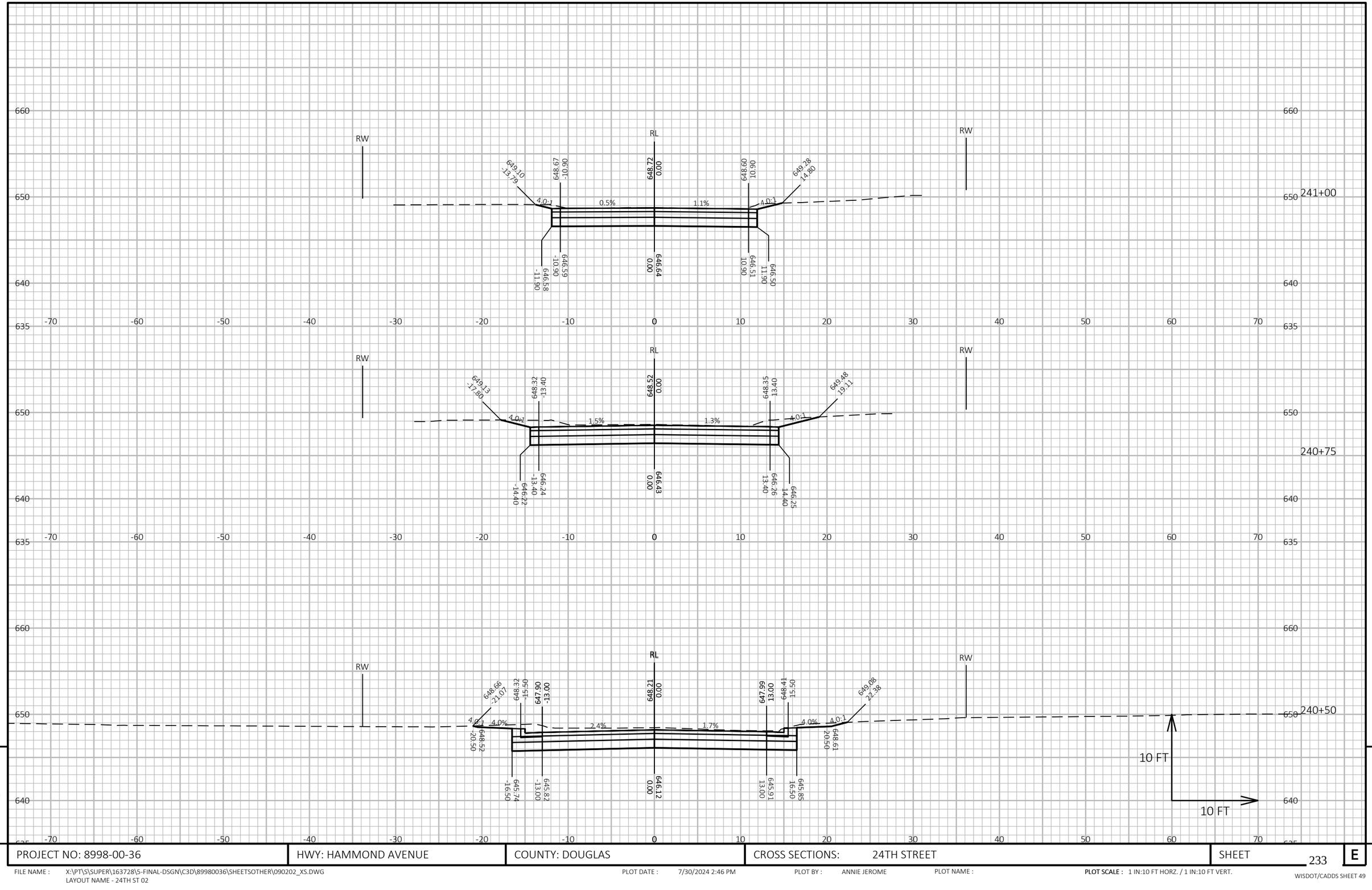
PLOT DATE : 7/30/2024 2:45 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 24TH STREET	SHEET 233	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 24TH ST 02

PLOT DATE : 7/30/2024 2:46 PM

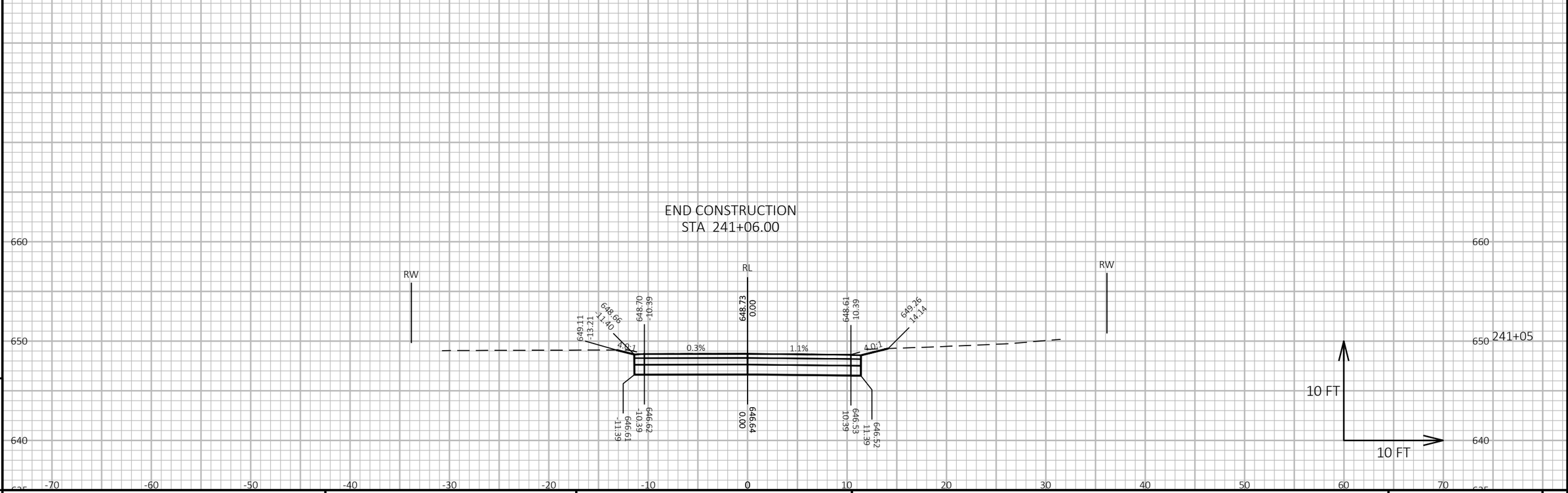
PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 241+06.00

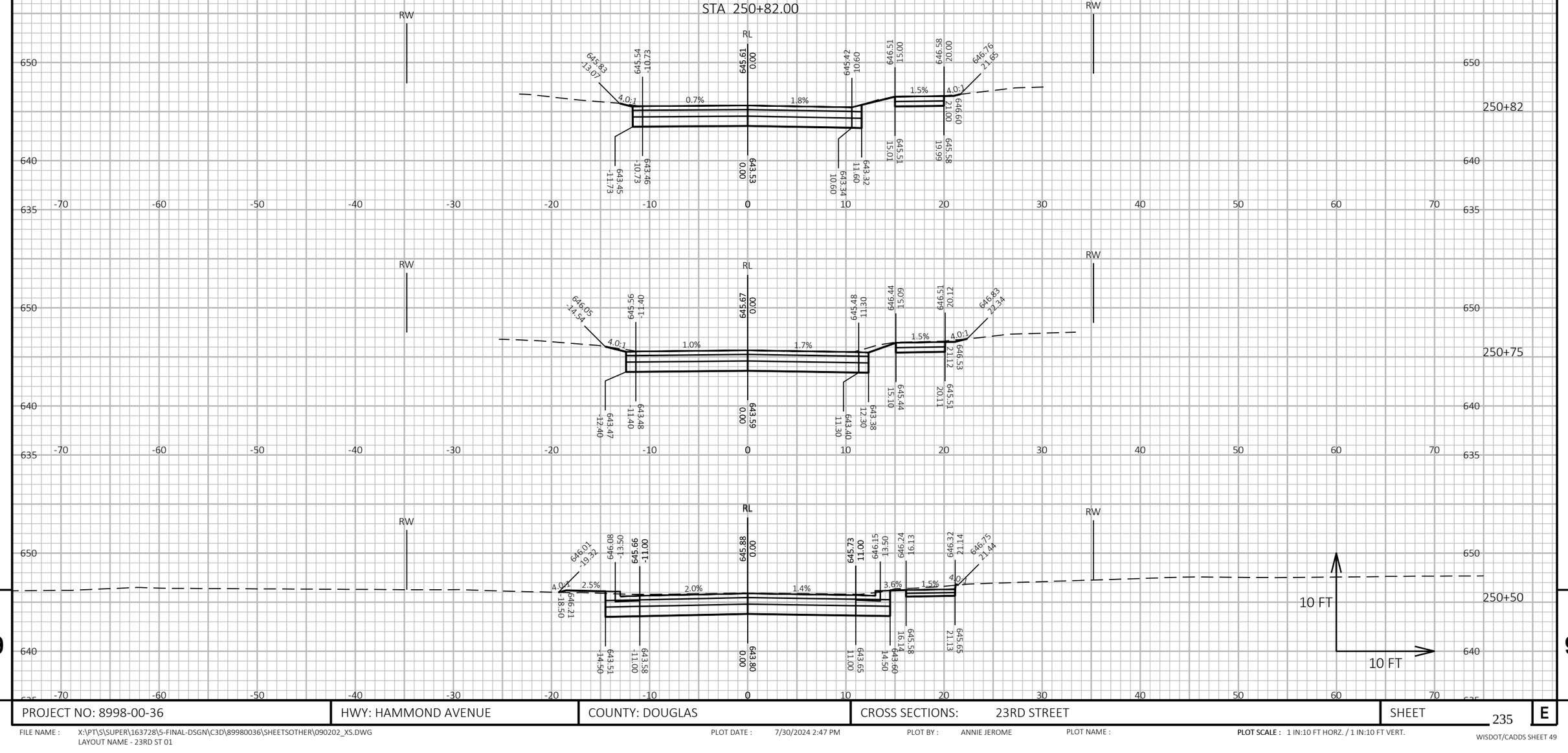


PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 24TH STREET	SHEET 234	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 24TH ST 03

PLOT DATE : 7/30/2024 2:46 PM PLOT BY : ANNIE JEROME PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION
STA 250+82.00



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 23RD STREET	SHEET 235	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 23RD ST 01

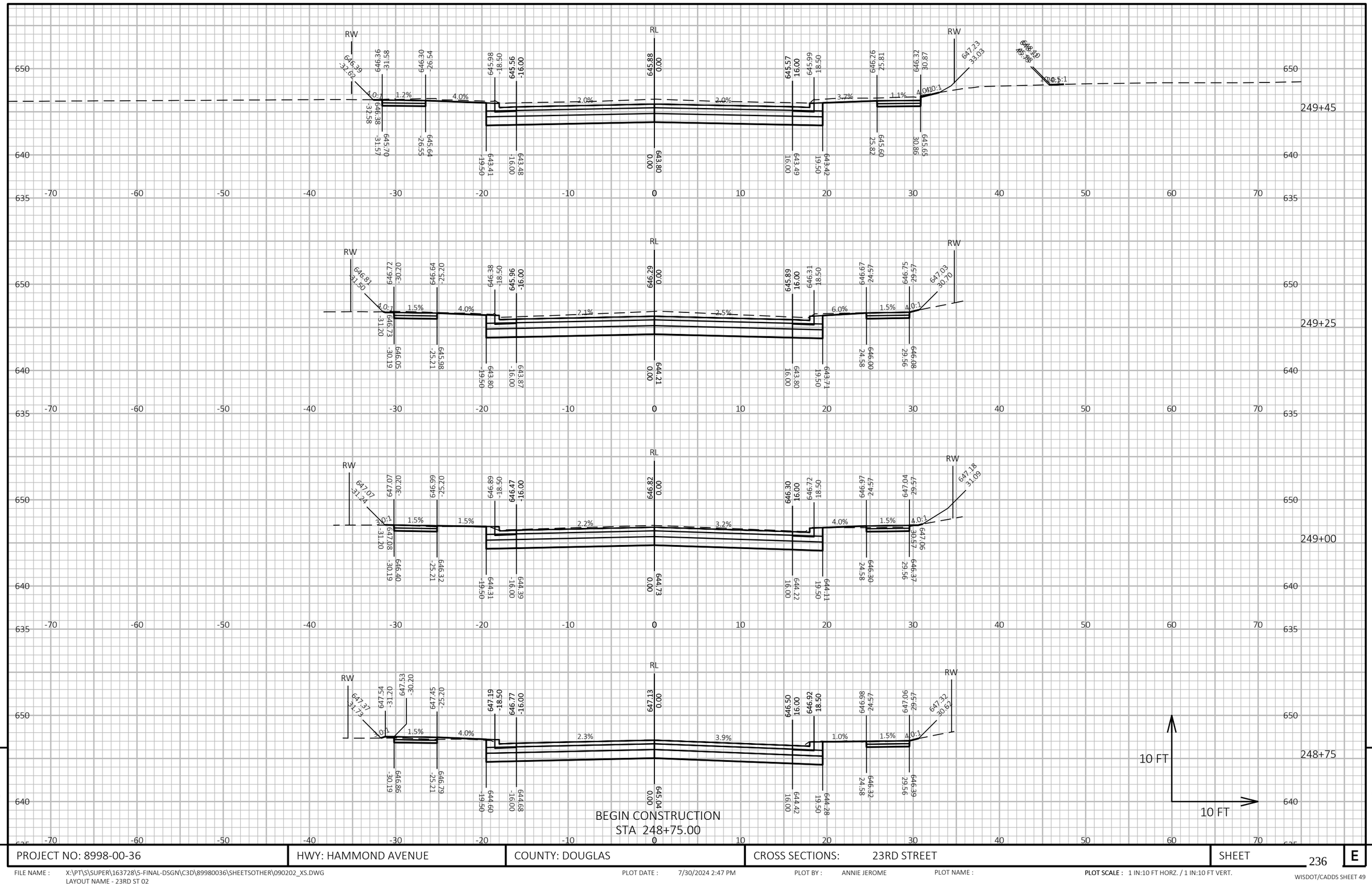
PLOT DATE : 7/30/2024 2:47 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



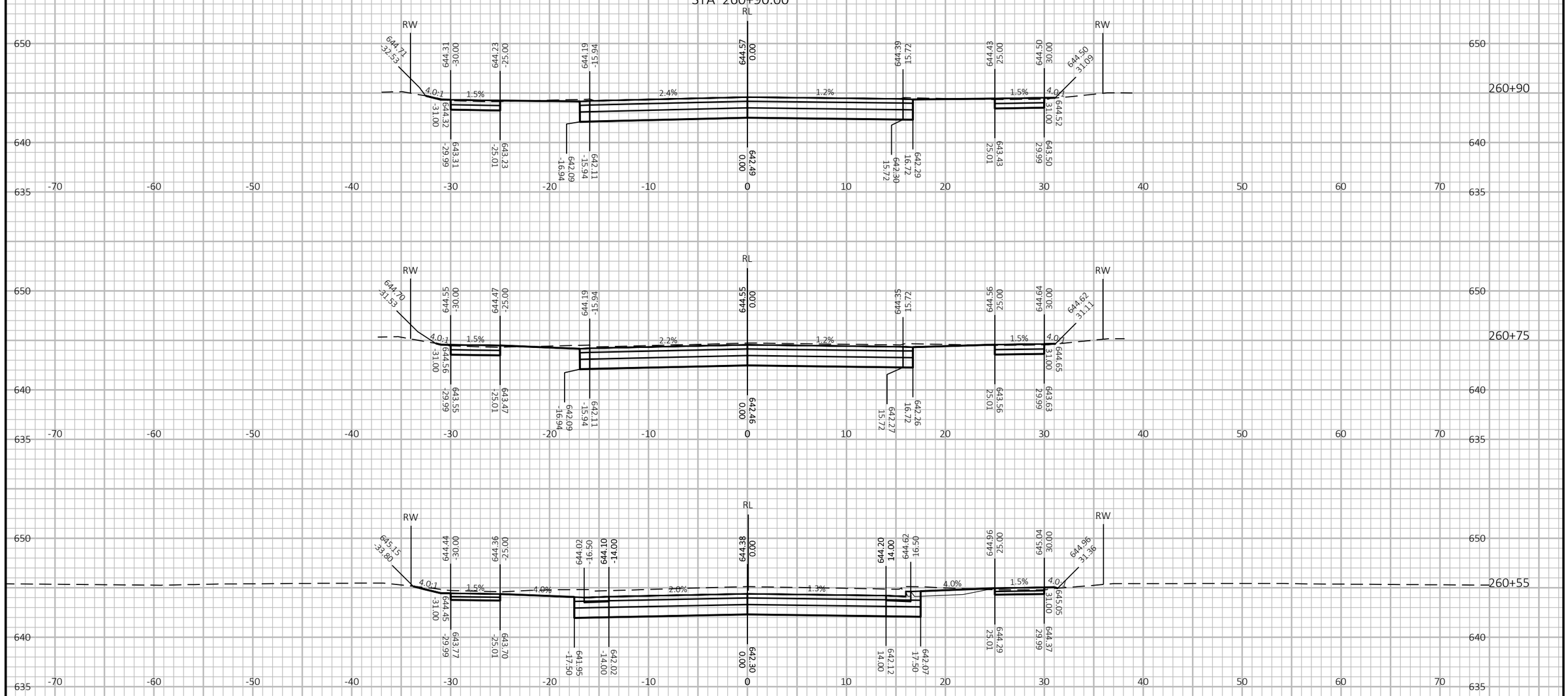
PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 23RD STREET	SHEET 236 E

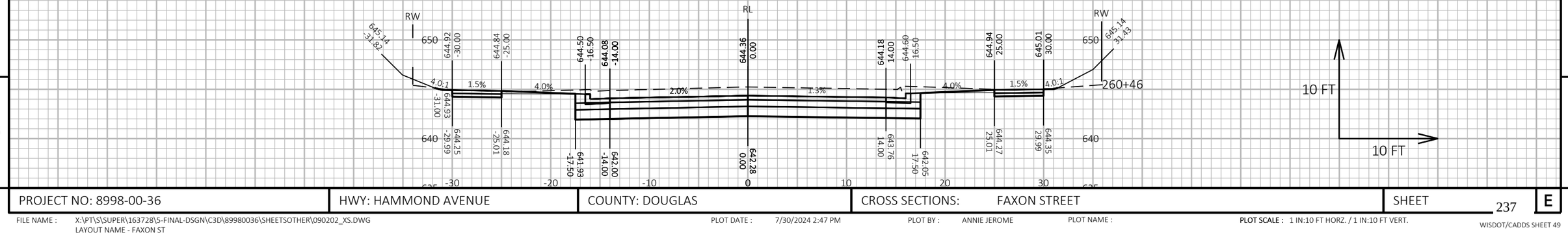
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 23RD ST 02

PLOT DATE : 7/30/2024 2:47 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 260+90.00





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PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: FAXON STREET	SHEET 237	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - FAXON ST

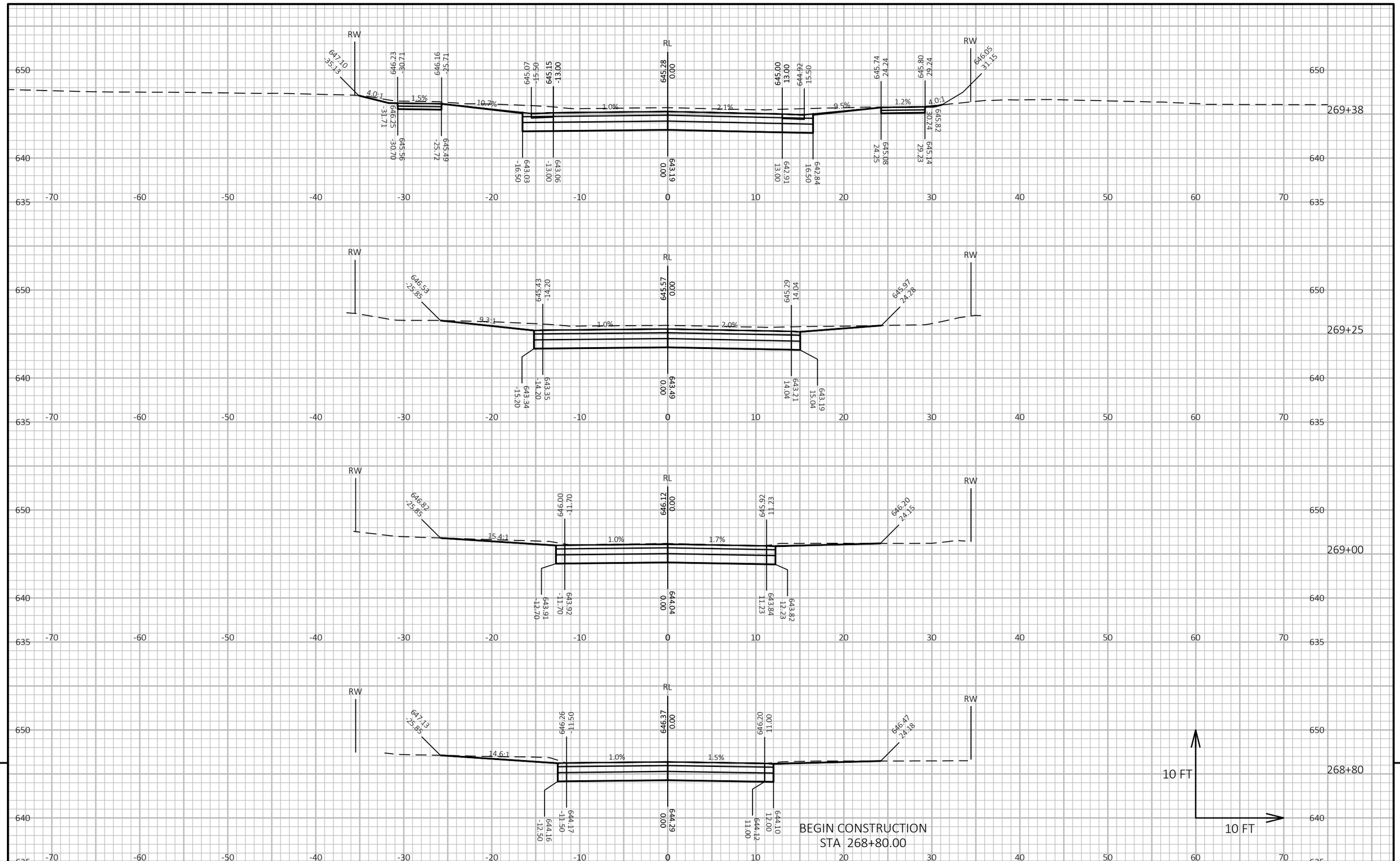
PLOT DATE : 7/30/2024 2:47 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

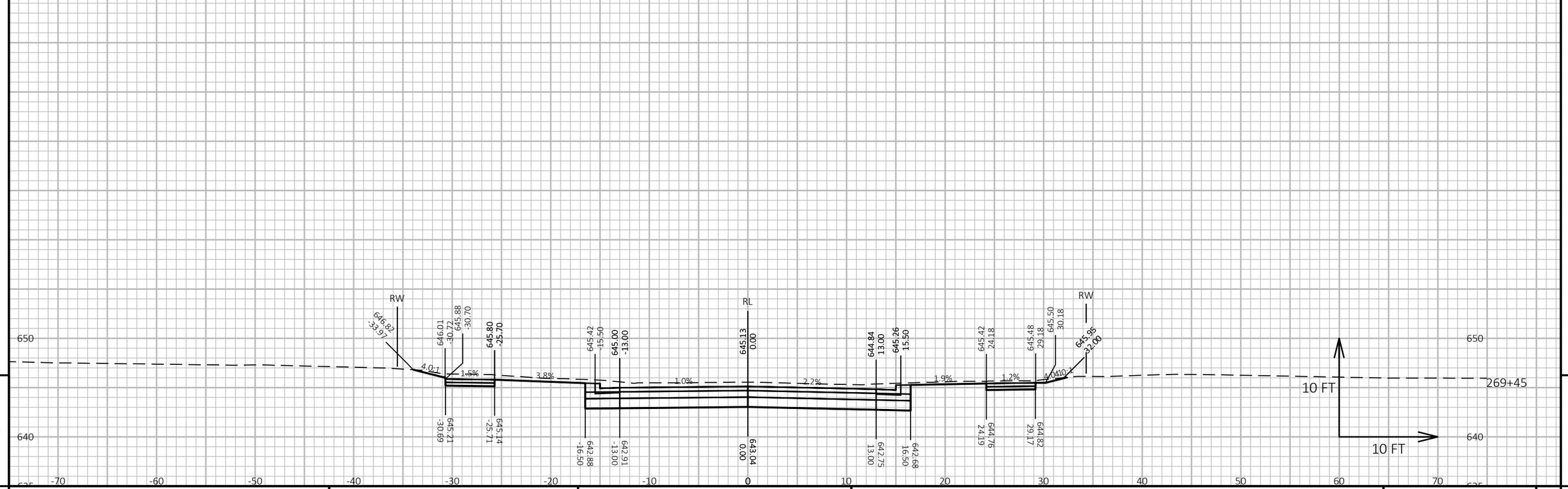
9

PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 22ND STREET	SHEET 238	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 22ND ST 01

PLOT DATE : 7/30/2024 2:48 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 22ND STREET	SHEET 239	E

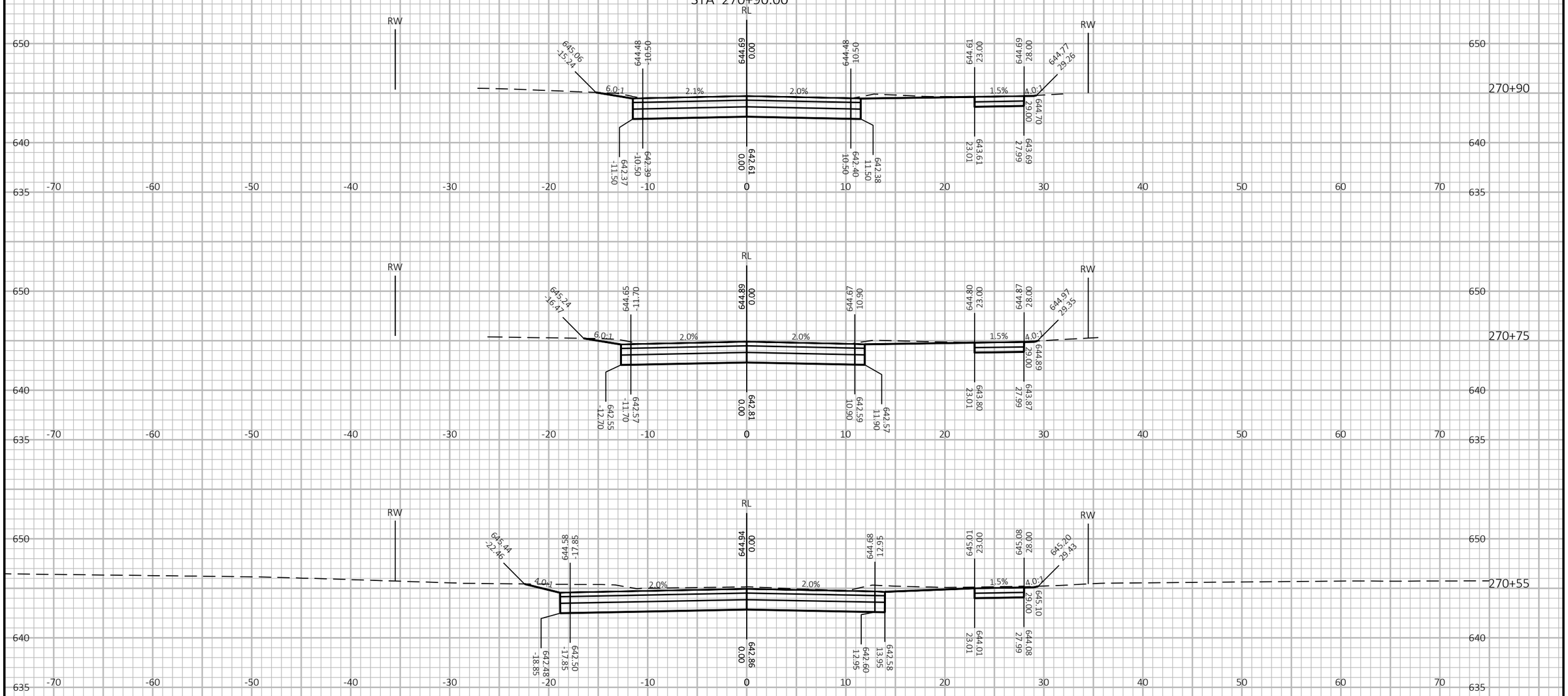
FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 22 ND ST 02

PLOT DATE : 7/30/2024 2:48 PM PLOT BY : ANNIE JEROME PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 270+90.00



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PROJECT NO: 8998-00-36	HWY: HAMMOND AVENUE	COUNTY: DOUGLAS	CROSS SECTIONS: 22ND STREET	SHEET 240	E

FILE NAME : X:\PT\S\SUPER\163728\5-FINAL-DSGN\C3D\89980036\SHEETSOTHER\090202_XS.DWG
LAYOUT NAME - 22ND ST 03

PLOT DATE : 7/30/2024 2:49 PM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov