

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5992-11-11		

**STATE OF WISCONSIN**  
**DEPARTMENT OF TRANSPORTATION**  
 PLAN OF PROPOSED IMPROVEMENT

**C OF MADISON, AUTUMN RIDGE PATH**  
 MILWAUKEE STREET TO ZIEGLER ROAD  
 NON HWY  
 DANE COUNTY

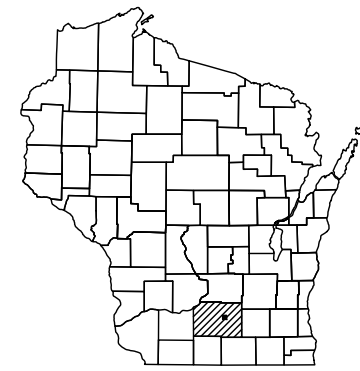
*APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS.*

STATE PROJECT NUMBER  
**5992-11-11**

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 =

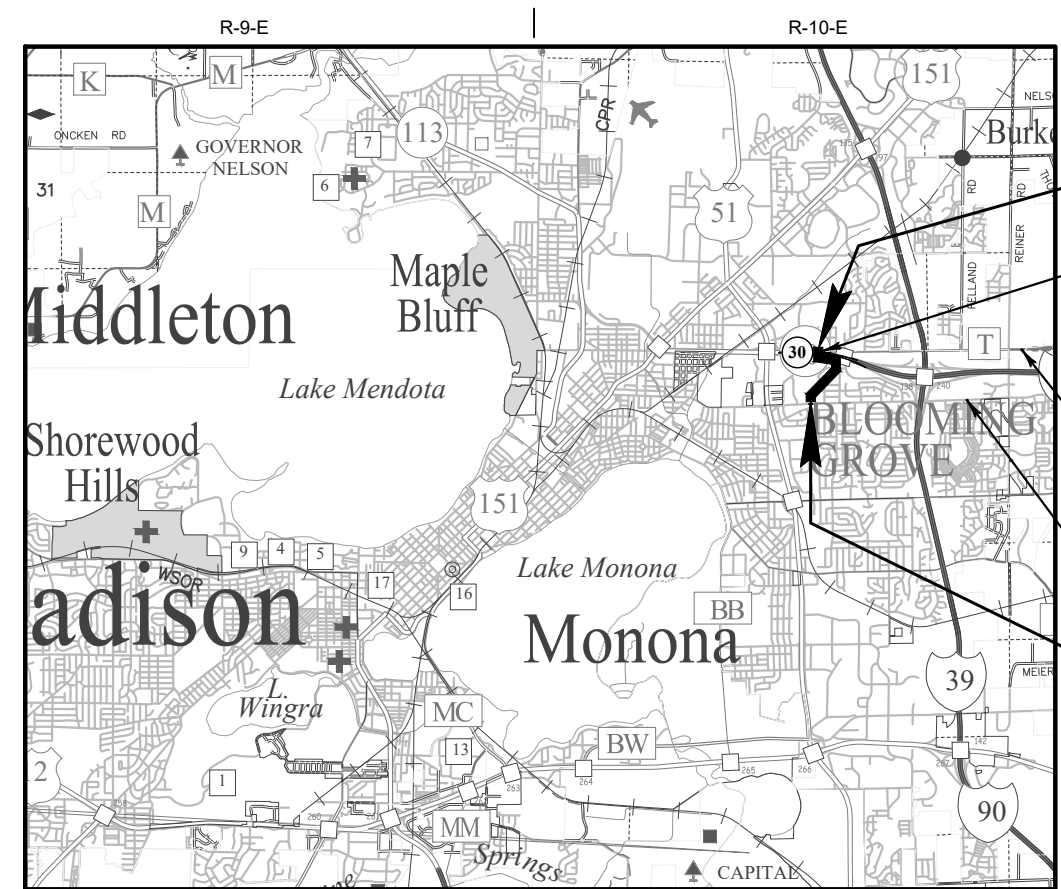


DESIGN DESIGNATION

A.A.D.T.	20	=	N.A.
A.A.D.T.	20	=	N.A.
D.H.V.		=	N.A.
D.D.		=	N.A.
T.		=	N.A.
DESIGN SPEED		=	N.A.
ESALS		=	N.A.

CONVENTIONAL SYMBOLS

PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
MARSH AREA	STORM SEWER
WOODED OR SHRUB AREA	TELEPHONE
	WATER
	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE



LAYOUT  
 SCALE 0 2 MI  
 TOTAL NET LENGTH OF CENTERLINE = 0.709 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE 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.

END PROJECT  
 STA 126+21'NT'

STRUCTURE B-13-898  
 REQUIRED

CTH T (COMMERCIAL AVE)

MILWAUKEE ST

BEGIN PROJECT  
 STA 10+00'ST'  
 Y=491,637.4809  
 X=841,646.8686

ACCEPTED FOR  
 CITY OF MADISON  
 Date \_\_\_\_\_  
 (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY  
  
**Short Elliott Hendrickson Inc.**  
 6808 Odana Road, Suite 200  
 Madison, WI 53719-1137  
 608.620.6199 main | 888.908.8166 fax  
 Building a Better World for All of Us™ 800.732.4362 toll free | www.sehinc.com

**PRELIMINARY  
 60% REVIEW  
 NOT FOR BIDDING  
 OR CONSTRUCTION**

(Date) \_\_\_\_\_ (Signature) \_\_\_\_\_

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION

PREPARED BY  
 Surveyor \_\_\_\_\_ SEH  
 Designer \_\_\_\_\_ SEH  
 Project Manager \_\_\_\_\_  
 Regional Examiner \_\_\_\_\_  
 Regional Supervisor \_\_\_\_\_

APPROVED FOR THE DEPARTMENT  
 DATE: \_\_\_\_\_ (Signature) \_\_\_\_\_

**E**

PROJECT ID: 5992-11-11  
 WITH: N/A

COUNTY: DANE

**STANDARD ABBREVIATIONS**

ABUT	ABUTMENT	ID	INSIDE DIAMETER
AC	ACRE	INV	INVERT
AGG	AGGREGATE	IP	IRON PIPE ON PIN
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE	LHF	LEFT-HAND FORWARD
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL	L	LENGTH OF CURVE
ASPH	ASPHALTIC	LF	LINEAR FOOT
AVG	AVERAGE	LC	LONG CHORD OF CURVE
ADT	AVERAGE DAILY TRAFFIC	LS	LUMP SUM
BF	BACK FACE	MH	MANHOLE
BM	BENCH MARK	MOR	MID POINT OF RADIUS
BR	BRIDGE	NC	NORMAL CROWN
CE	COMMERCIAL ENTRANCE	NO	NUMBER
C/L	CENTER LINE	OBLIT	OBLITERATE
Δ	CENTRAL ANGLE OR DELTA	PAVT	PAVEMENT
COB	CENTER OF BARRIER	PE	PRIVATE ENTRANCE
CONC	CONCRETE	PVRC	POINT OF VERTICAL REVERSE CURVE
CPRC	CULVERT PIPE REINFORCED CONCRETE	QOR	QUARTER POINT OF RADIUS
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL	R	RADIUS
CR	CREEK	REQ'D	REQUIRED
CY	CUBIC YARD	RES	RESIDENCE OR RESIDENTIAL
C&G	CURB AND GUTTER	RHF	RIGHT-HAND FORWARD
D	DEGREE OF CURVE	R/W	RIGHT-OF-WAY
DHV	DESIGN HOUR VOLUME	R	RIVER
DISCH	DISCHARGE	RDWY	ROADWAY
DG	DITCH GRADE	R/L	REFERENCE LINE
DWY	DRIVEWAY	SALV	SALVAGED
X	EAST GRID COORDINATE	SAN	SANITARY SEWER
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL	SF	SQUARE FEET
EOR	END POINT OF RADIUS	SY	SQUARE YARD
EL	ELEVATION	SDD	STANDARD DETAIL DRAWINGS
ENT	ENTRANCE	STA	STATION
ESALS	EQUIVALENT SINGLE AXLE LOADS	SS	STORM SEWER
EXC	EXCAVATION	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
EBS	EXCAVATION BELOW SUBGRADE	SE	SUPERELEVATION RATE
EXIST	EXISTING	TC	TOP OF CURB
FC	FACE OF CURB	T OR TN	TOWN
FF	FACE TO FACE	T	TRUCKS (PERCENT OF)
FERT	FERTILIZE	TYP	TYPICAL
FE	FIELD ENTRANCE	VAR	VARIABLE
FL	FLOW LINE	VC	VERTICAL CURVE
FO	FIBER OPTIC	Y	NORTH GRID COORDINATE
CWT	HUNDREDWEIGHT	YD	YARD
HYD	HYDRANT		

**DNR AREA LIAISON:**

DNR SOUTH CENTRAL REGION HEADQUARTERS  
3911 FISH HATCHERY ROAD  
FITCHBURG, WI 53711  
TELEPHONE: 608.228.7927  
ATTENTION: ERIC HEGGELUND  
EMAIL: ERIC.HEGGELUND@WISCONSIN.GOV

**WISDOT CONTACT:**

WISCONSIN DEPT OF TRANSPORTATION  
SOUTHWEST REGION  
2101 WRIGHT ST.  
MADISON, WI 53704-2583  
TELEPHONE: 608.246.3279  
ATTENTION: LORRAINE BETZEL  
EMAIL: LORRAINE.BETZEL@DOT.WI.GOV

**DESIGN CONTACT:**

SHORT ELLIOTT HENDRICKSON INC.  
6808 ODANA ROAD, SUITE 200  
MADISON, WI 53719-1137  
TELEPHONE: 608.769.9840  
ATTENTION: JEREMY TOMESH  
EMAIL: JTOMESH@SEHINC.COM

**UTILITY CONTACT LIST:**

AT&T LEGACY - COMMUNICATION LINE

MATTHEW VACHALIK  
411 7TH STREET  
RACINE, WI 53403  
PHONE: (262) 707-6216  
EMAIL: MV5616@ATT.COM

MADISON GAS & ELECTRIC - GAS

JANE ROSSING  
PO BOX 1231  
MADISON, WI 53701-1231  
PHONE: (608) 252-7099  
EMAIL: WORKPLANS@MGE.COM

CHARTER COMMUNICATIONS - COMMUNICATION LINE

JUSTINE MONROE-JIMENEZ  
2701 DANIELS ST  
MADISON, WI 53718  
PHONE: (608) 288-6843  
EMAIL: CHTR\_WI\_CONST@CHARTER.COM

MADISON GAS & ELECTRIC - ELECTRICITY

JANE ROSSING  
PO BOX 1231  
MADISON, WI 53701-1231  
PHONE: (608) 252-7099  
EMAIL: WORKPLANS@MGE.COM

CITY OF MADISON ENGINEERING - SEWER

GREG FRIES  
210 MARTIN LUTHER KING JR. BLVD., ROOM 115  
MADISON, WI 53703  
PHONE: (608) 267-1199  
EMAIL: GFRIES@CITYOFMADISON.COM

WINDSTREAM KDL, LLC - COMMUNICATION LINE

LORI KETTER  
314 N. DANZ AVE  
GREEN BAY, WI 54302  
PHONE: (920) 410-6902  
MAIL: LORI.KETTER@WINDSTREAM.COM

MADISON WATER UTILITY - WATER

ADAM WIEDERHOEFT  
119 E OLIN AVENUE  
MADISON, WI 53713-1431  
PHONE: (608) 266-9121  
EMAIL: AWIEDERHOEFT@MADISONWATER.ORG

WISDOT ITS - COMMUNICATION LINE

JEFF MADSON  
433 W ST PAUL AVE, SUITE 300  
MILWAUKEE, WI 53203-3007  
PHONE: (414) 255-3723  
EMAIL: JEFFREY.MADSON@DOT.WI.GOV

**GENERAL NOTES:**

- NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
- 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.
- 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.
- PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.
- CONCRETE COLLAR REQUIRED AT JOINTS BETWEEN EXISTING AND NEW CULVERT PIPE.
- JOINT TIES WILL BE REQUIRED ON THE ENDWALL AND LAST 2 SECTIONS PER STD 520 AND 524 ON ALL CULVERT PIPES.
- INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
- 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.
- BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.
- CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.
- TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.
- THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
- DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED AND SEEDED.
- FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.
- A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE.
- APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACE AND 0.05 GA/SY BETWEEN LAYERS OF HMA PAVEMENT.
- HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

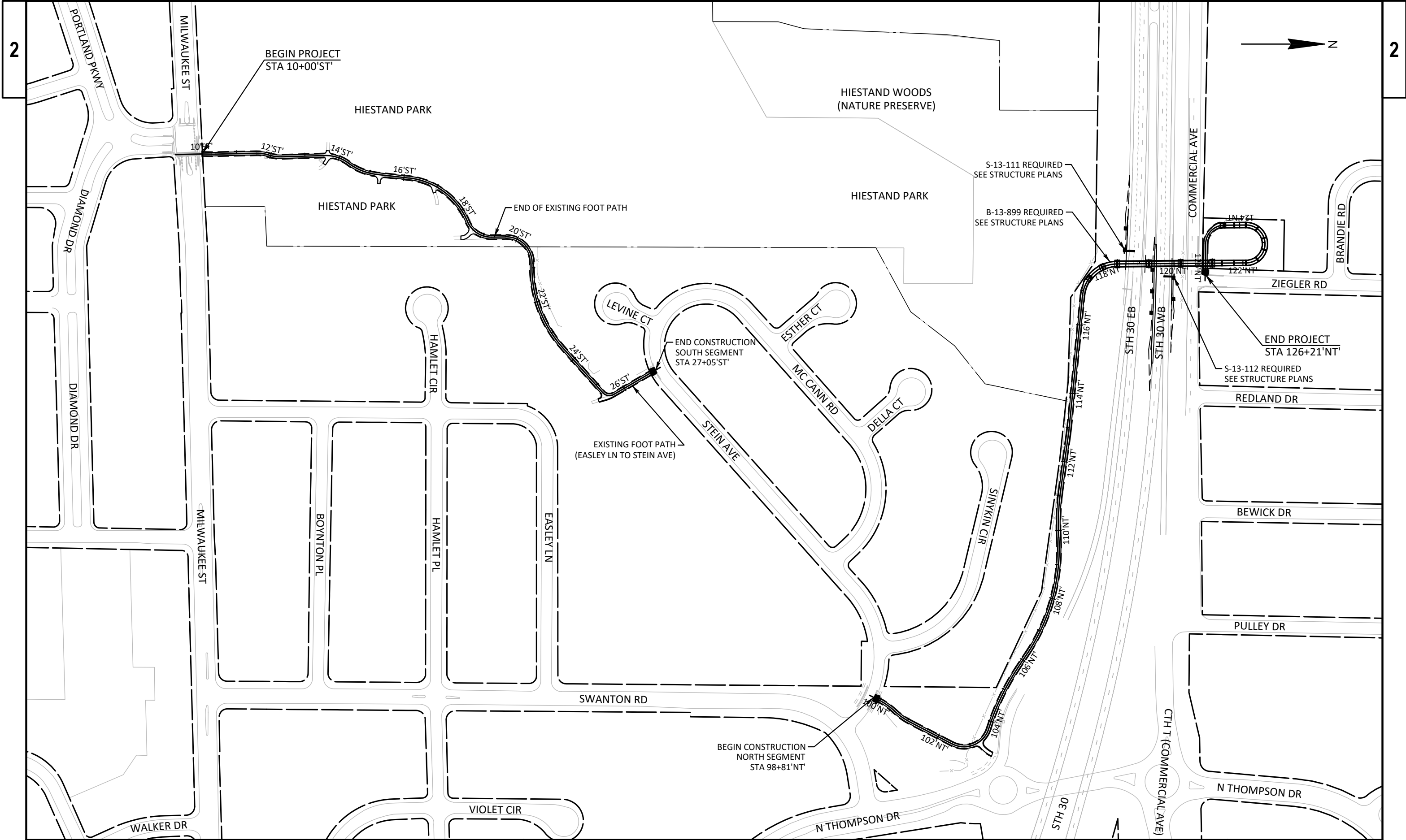
**RUNOFF COEFFICIENT TABLE**

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPERANGE (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	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIP-TURF	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPE-TURF			.25			.27			.28			.30
			.32			.34			.36			.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 = \_\_ ACRES  
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = \_\_ ACRES



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



2

2

BEGIN PROJECT  
STA 10+00'ST'

HIESTAND WOODS  
(NATURE PRESERVE)

S-13-111 REQUIRED  
SEE STRUCTURE PLANS

B-13-899 REQUIRED  
SEE STRUCTURE PLANS

END PROJECT  
STA 126+21'NT'

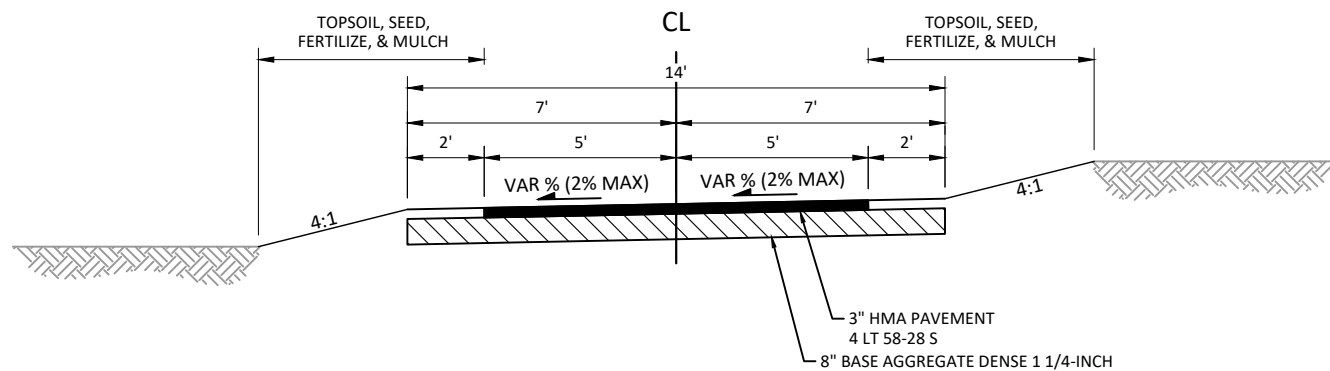
S-13-112 REQUIRED  
SEE STRUCTURE PLANS

END CONSTRUCTION  
SOUTH SEGMENT  
STA 27+05'ST'

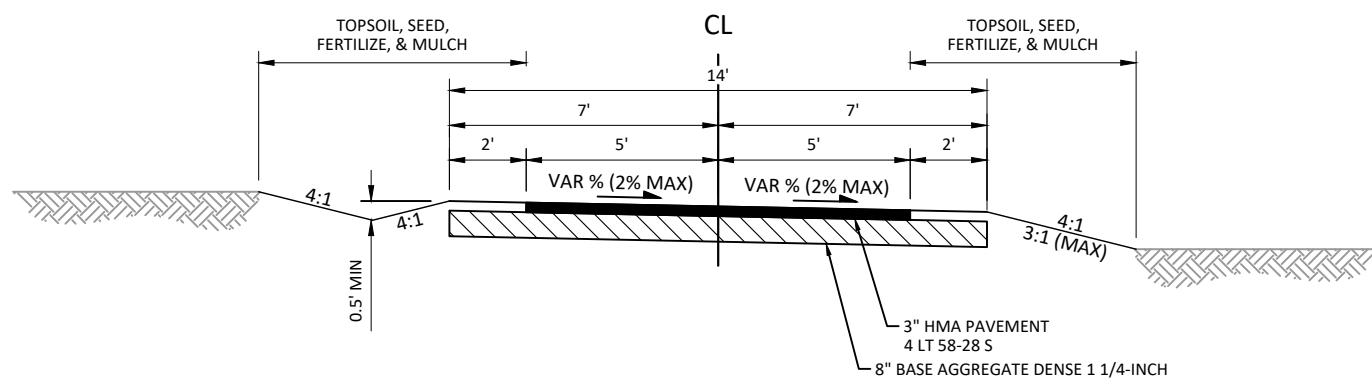
EXISTING FOOT PATH  
(EASLEY LN TO STEIN AVE)

BEGIN CONSTRUCTION  
NORTH SEGMENT  
STA 98+81'NT'

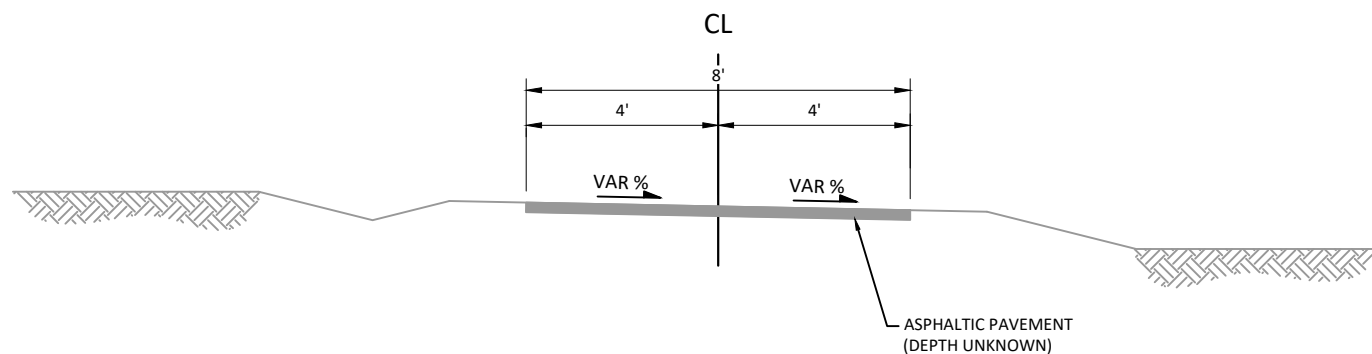
PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	PROJECT OVERVIEW	SHEET	E
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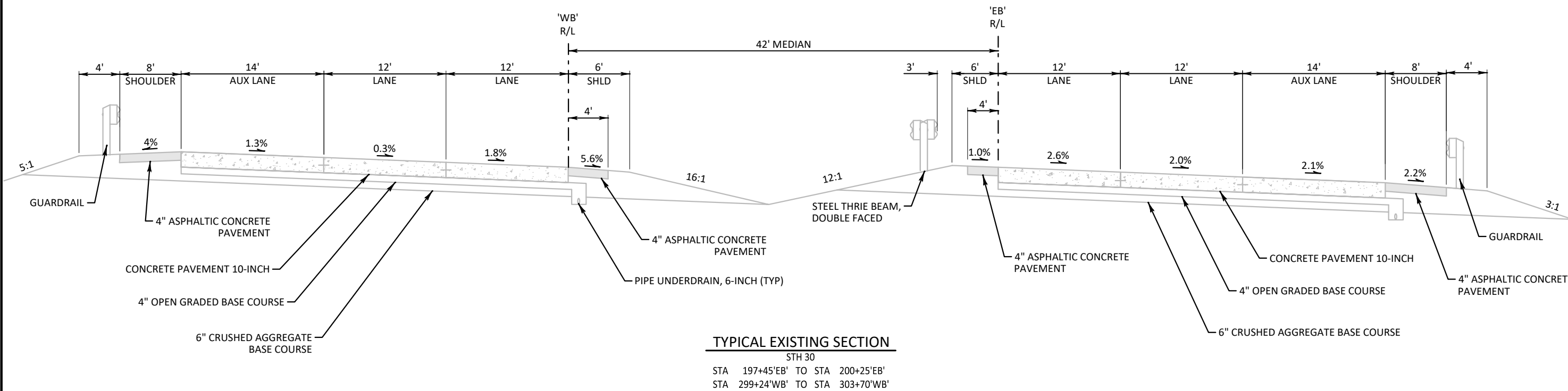
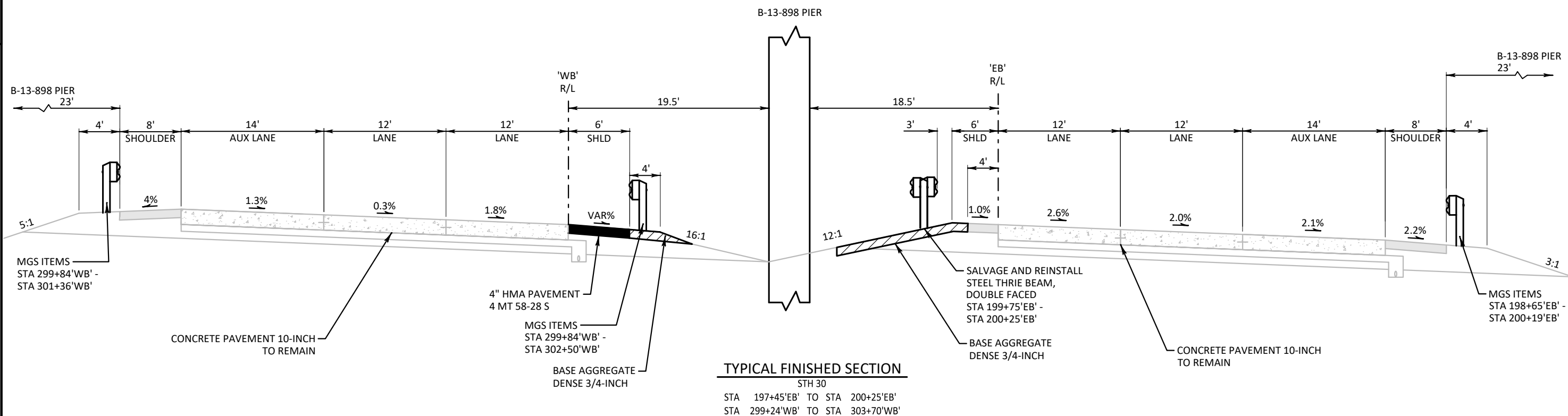
**FINISHED TYPICAL SECTION**  
SOUTH TRAIL STA 10+00'ST' - 27+05'ST'

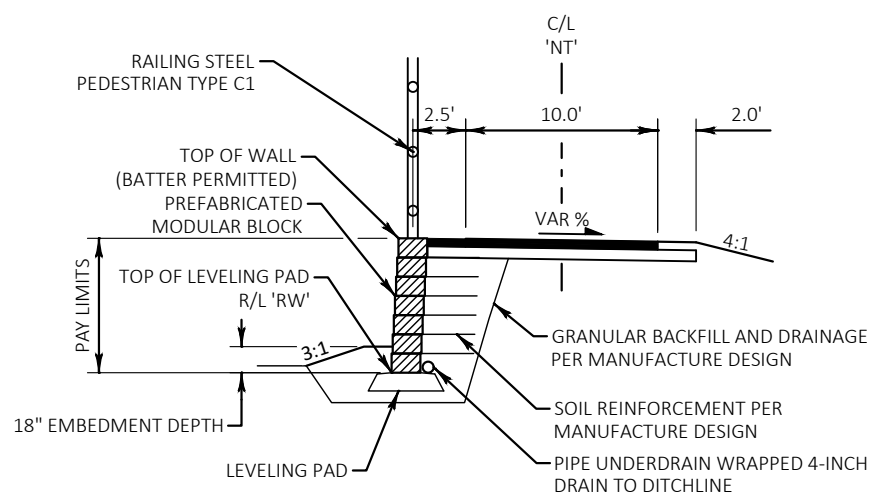
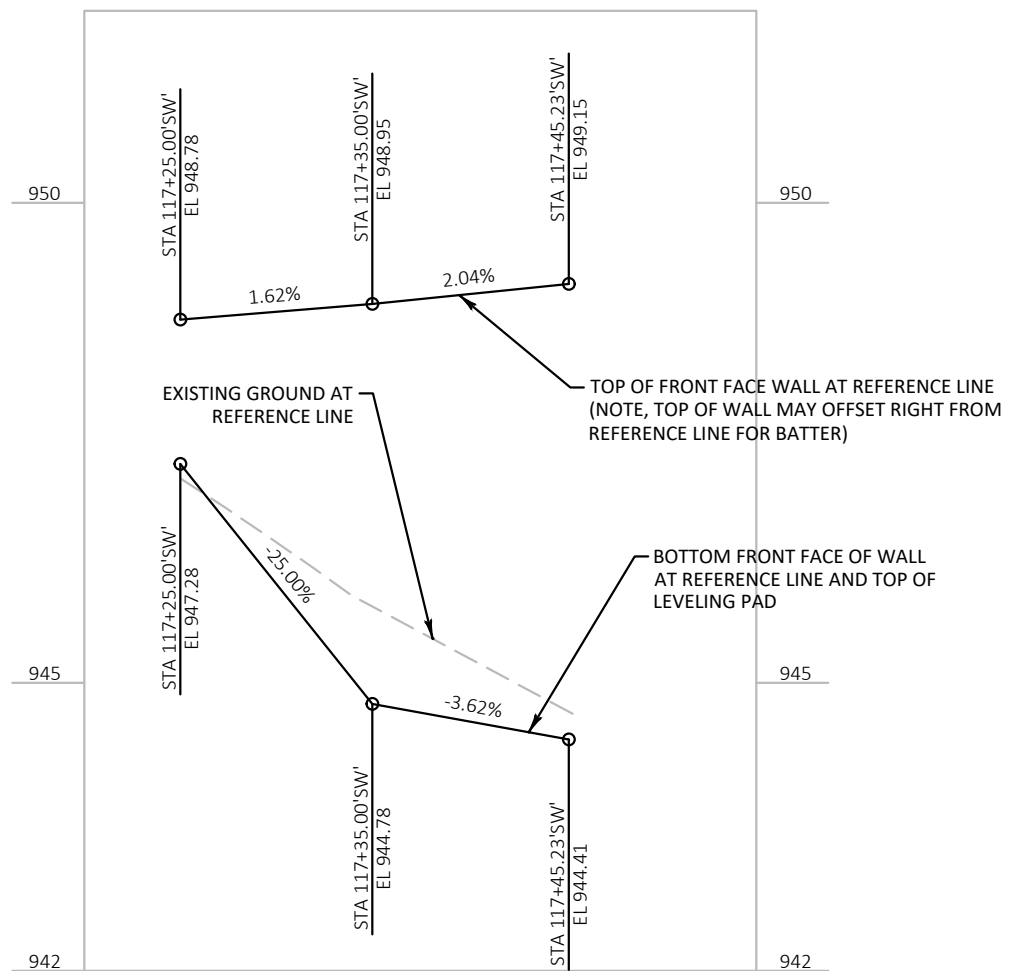
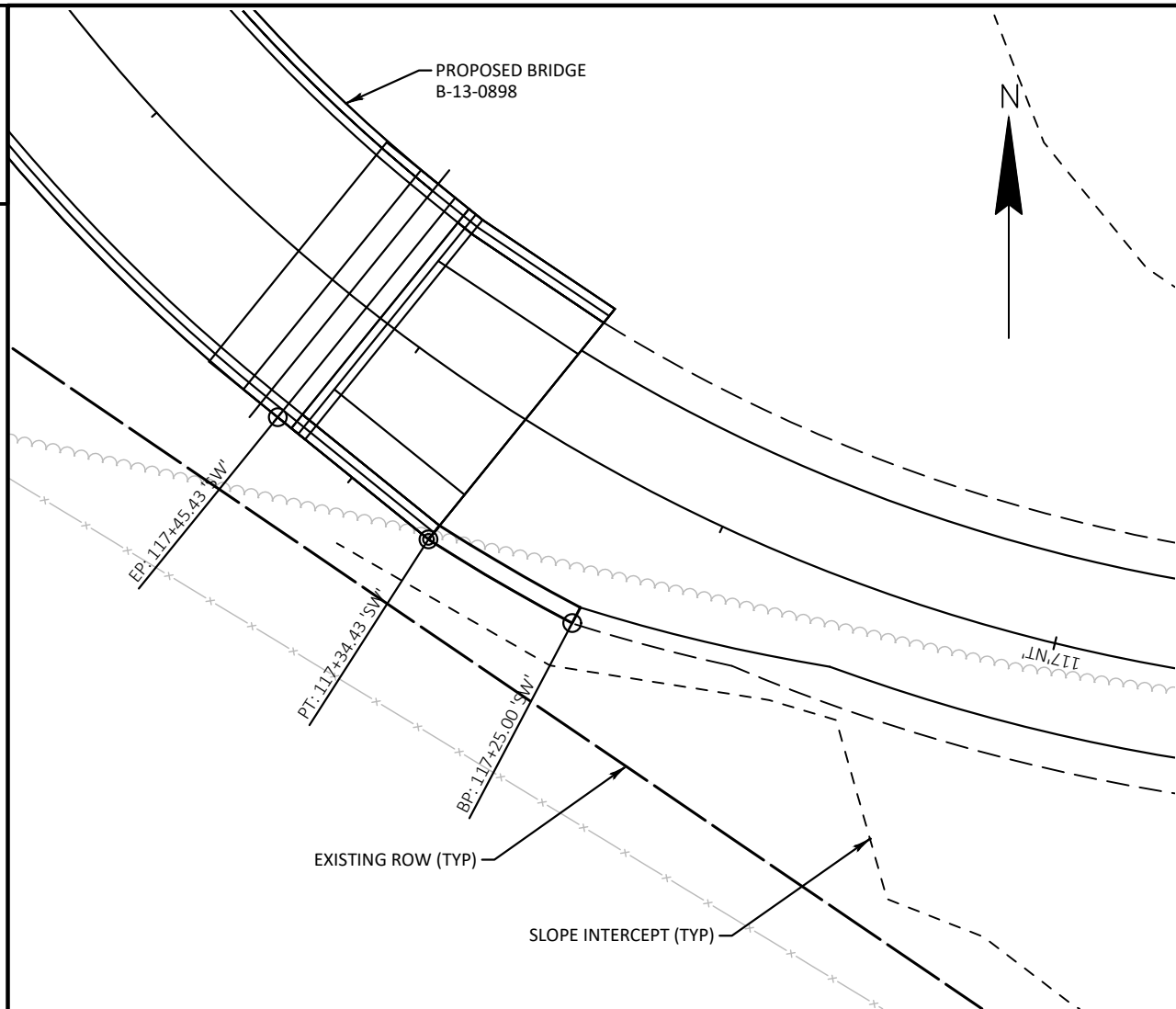


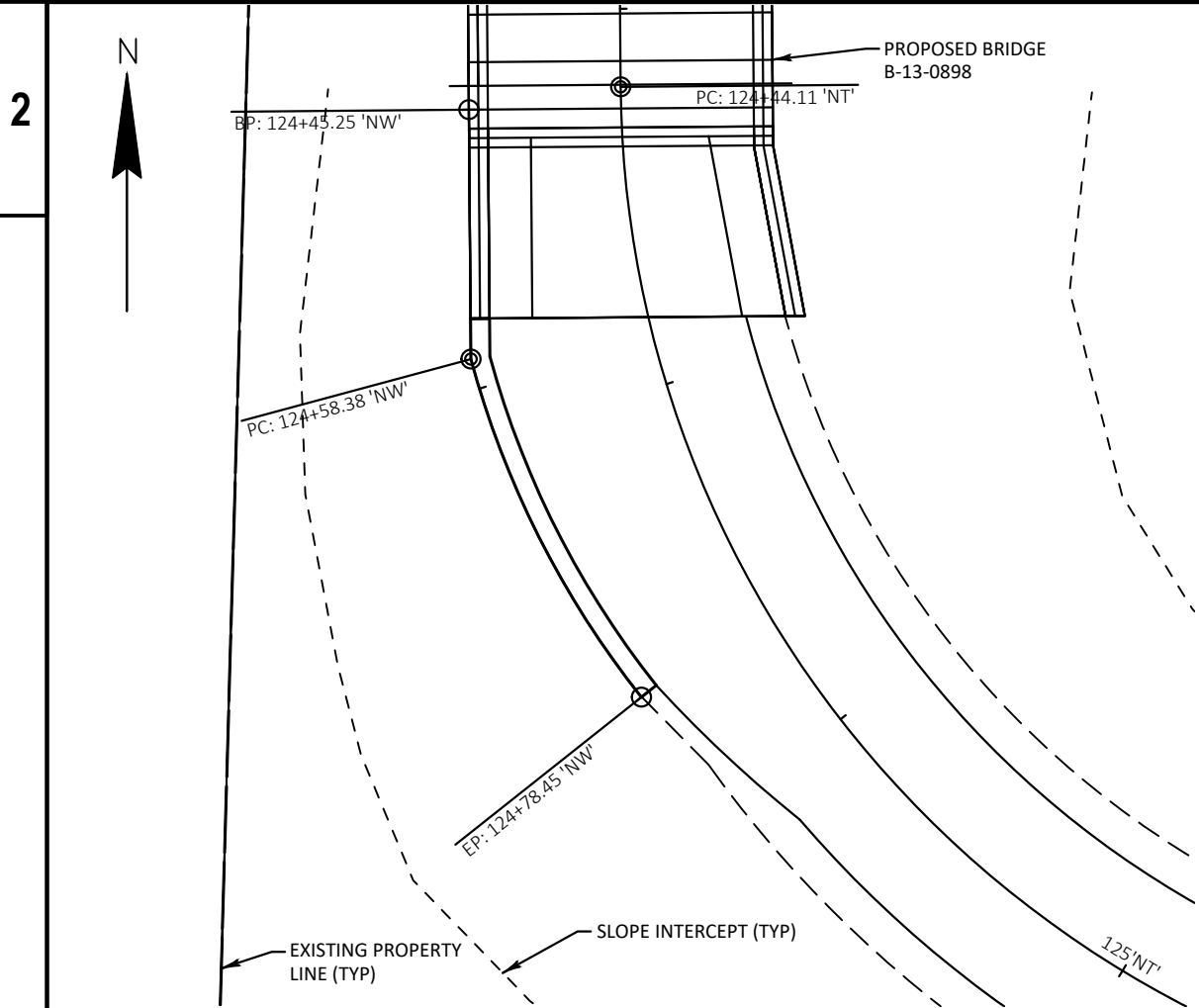
**FINISHED TYPICAL SECTION**  
NORTH TRAIL STA 99+96'NT' - 117+33'NT'  
NORTH TRAIL STA 124+56'NT' - 126+21'NT'



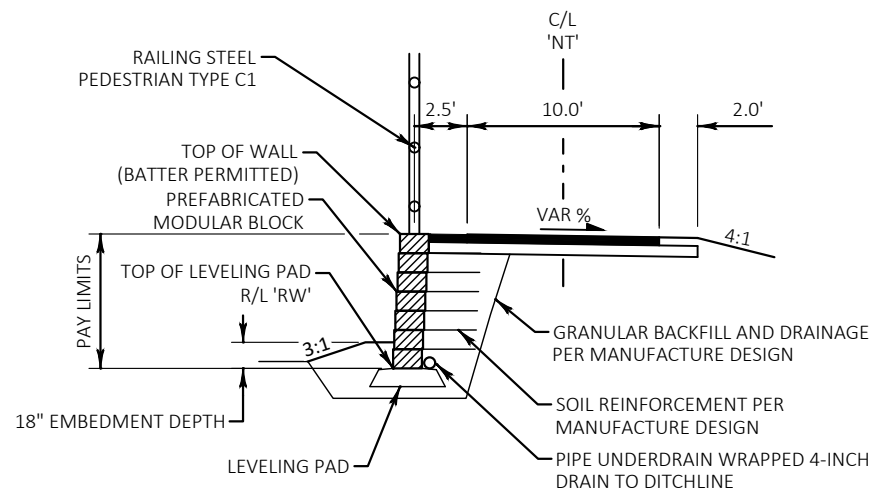
**EXISTING TYPICAL SECTION**  
SOUTH TRAIL STA 10+00'ST' - 19+34'ST'  
SOUTH TRAIL STA 24+48'ST' - 26+90'ST'



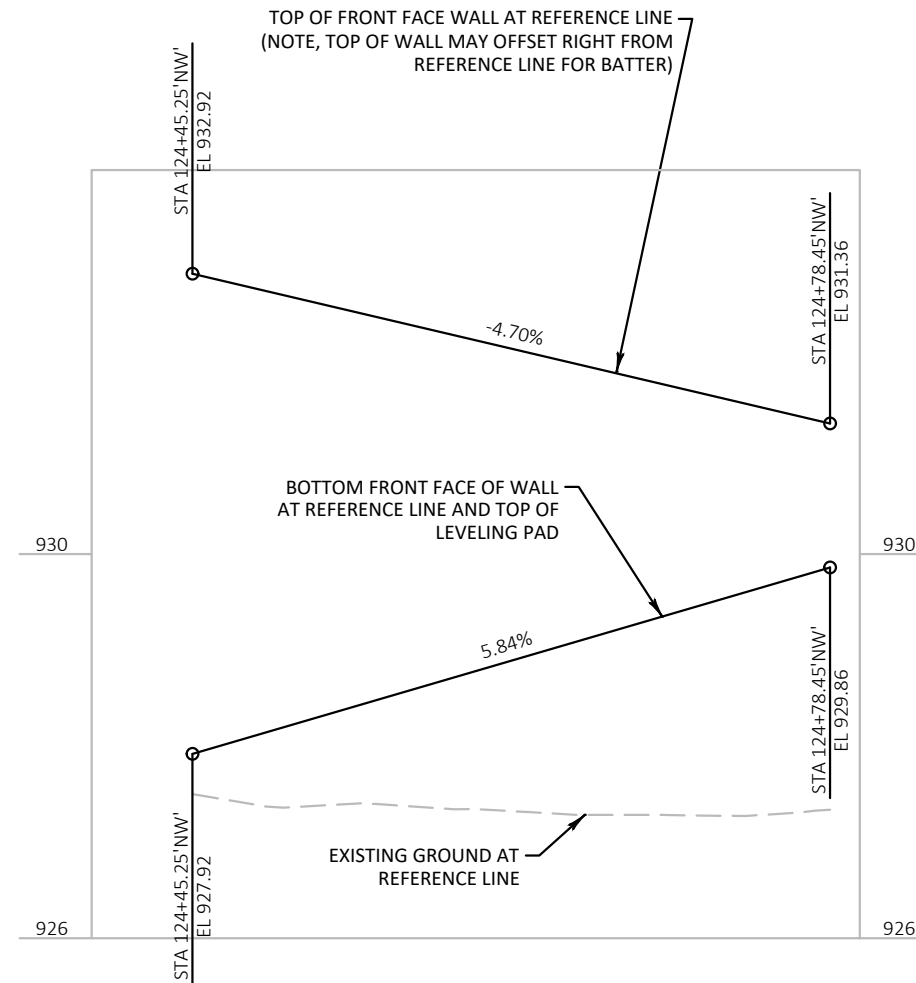




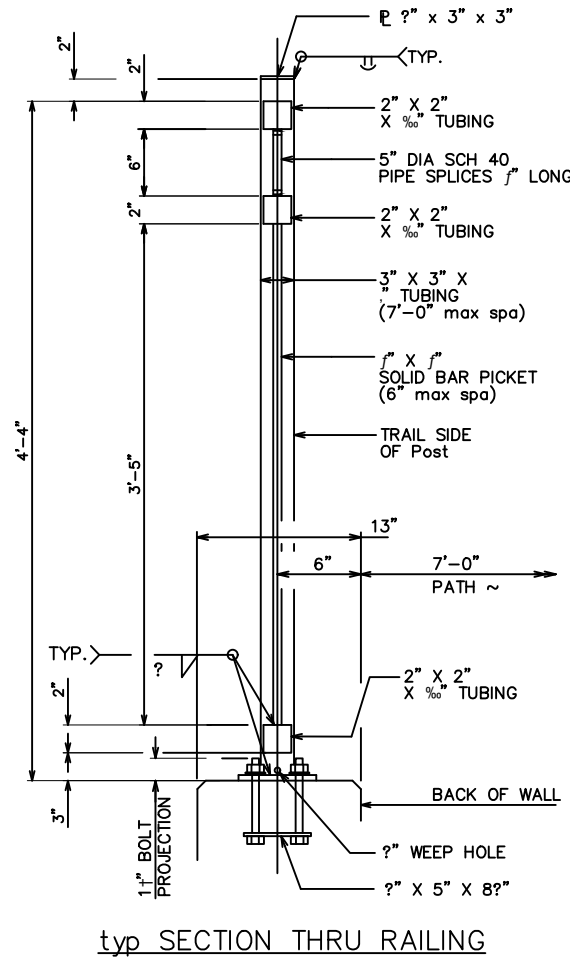
PLAN  
(SCALE: 1 IN=40 FT)



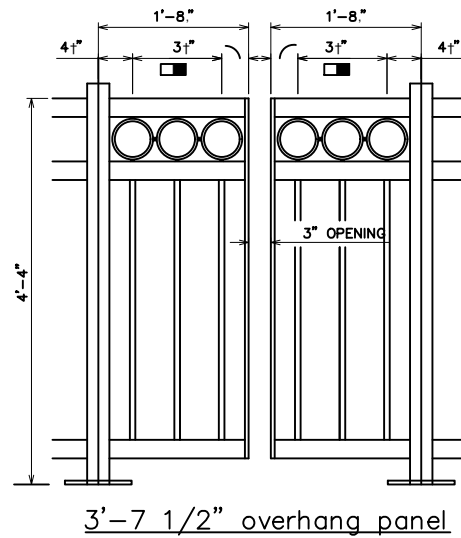
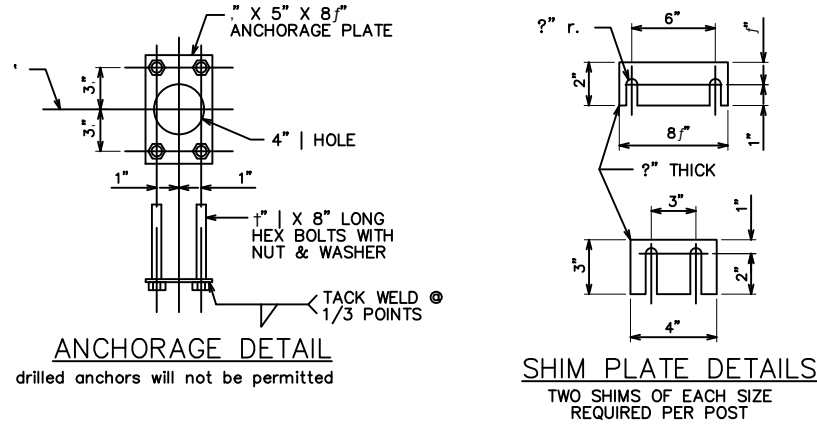
TYPICAL SECTION  
(SCALE: NTS)



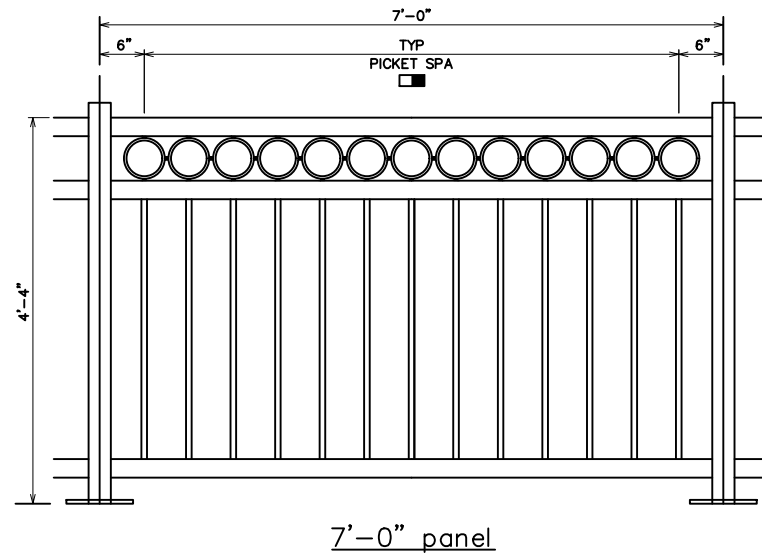
PROFILE ELEVATION  
(SCALE: HORZ, 1 IN=10 FT, VERT, 1 IN=5 FT)



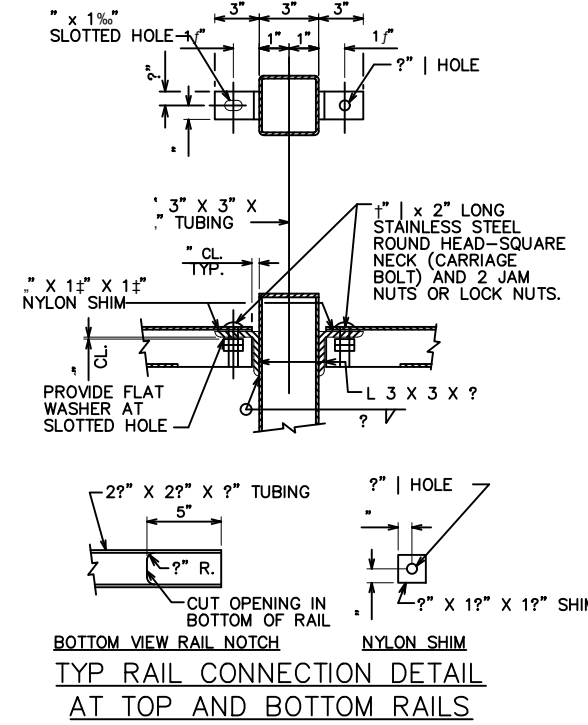
typ SECTION THRU RAILING



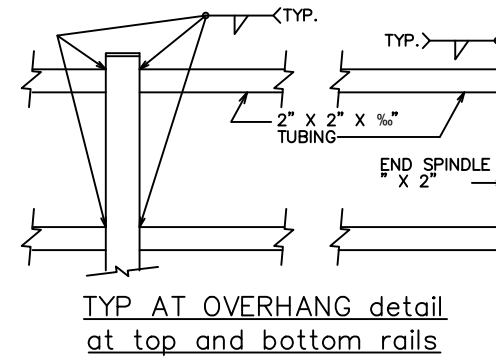
3'-7 1/2" overhang panel



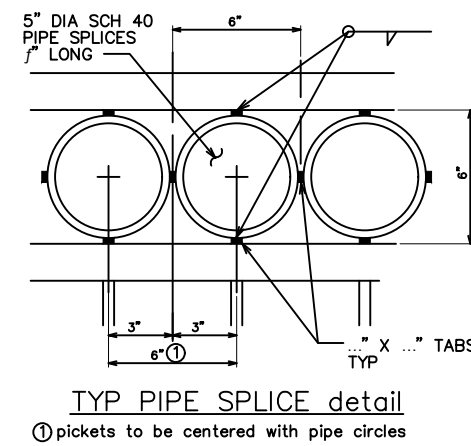
7'-0" panel



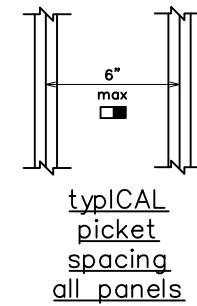
TYP RAIL CONNECTION DETAIL AT TOP AND BOTTOM RAILS



TYP AT OVERHANG detail at top and bottom rails



TYP PIPE SPLICE detail



typical picket spacing all panels

NOTES

- BID ITEM SHALL BE "PEDESTRIAN RAILING" WHICH SHALL INCLUDE ALL ITEMS SHOWN.
- POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.
- RAILS AND POSTS TO BE ASTM A500, GRADE B. BASE PLATES AND SHIMS TO BE ASTM A709, GRADE 36. ALL GALVANIZED AFTER FABRICATION.
- picket spacing to be adjusted to keep picket centered under circle.
- ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET POSTS VERTICAL.
- ALL POST SPA ARE TAKEN HORIZ ALONG CENTER LINE OF RAILING AT BASE OF POST.
- SHIMS SHALL BE USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT.
- CAULK AROUND PERIMETER OF BASE PLATES AND FILL PORTION OF SLOTTED HOLES AROUND ANCHOR BOLTS WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.
- CUT BOTTOM OF POST TO MAKE VERTICAL IN TRANSVERSE DIRECTION.
- ANCHOR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED.
- VENT HOLES SHALL BE DRILLED IN MEMBERS AS REQUIRED TO FACILITATE GALVANIZING.
- railing is to be galvanized and painted.
- ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING ALL STEEL RAILING POSTS AND STEEL TUBING SHALL BE GIVEN A #6 BLAST CLEANING BY SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH TIE COAT AND TOPCOAT (see specifications). color shall be federal standard 595b, color 27038 (black)

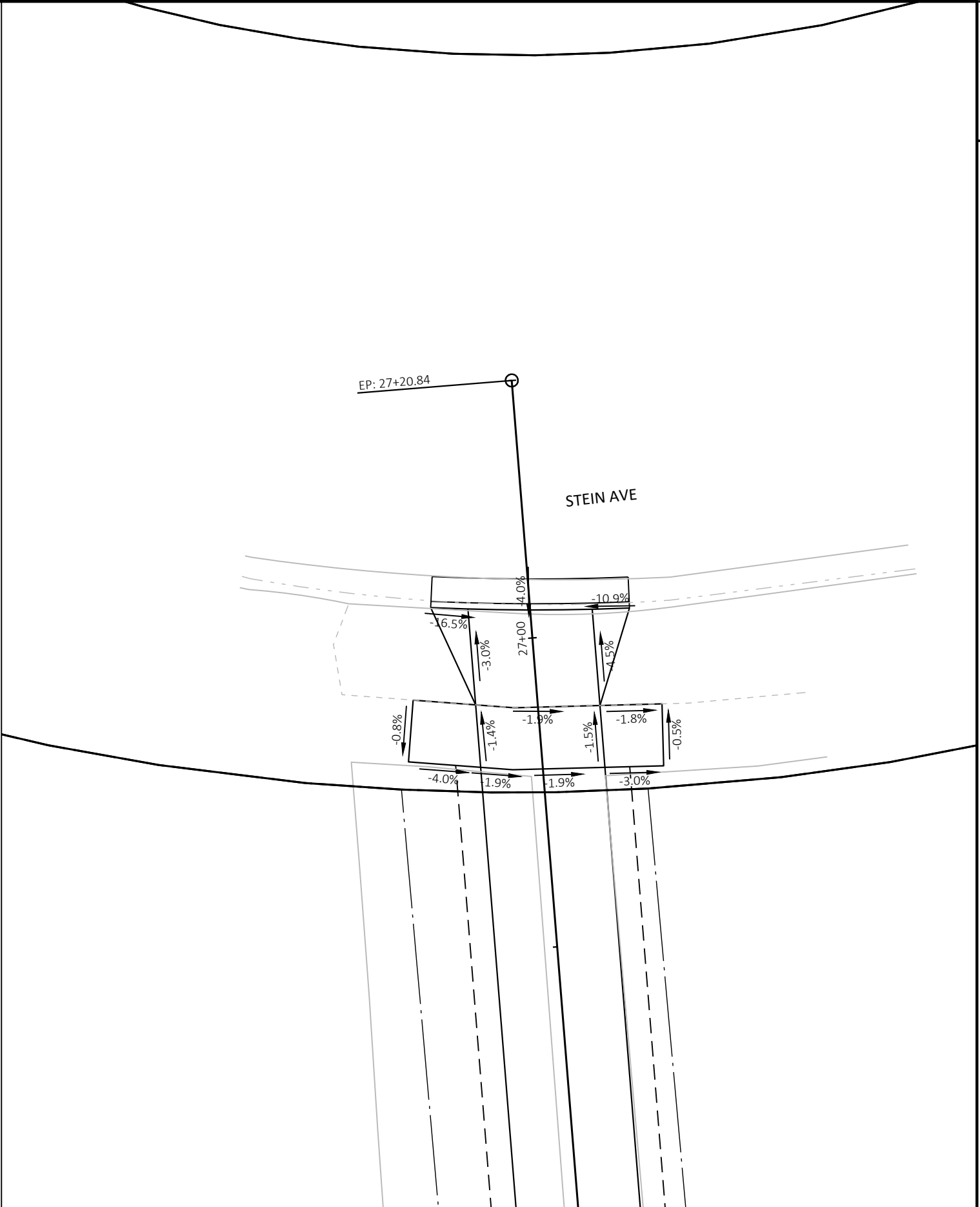
RAILING MEASURED ALONG C/L POSTS.  
 ■ = 6" MAX PICKET SPACING. PICKETS ARE TO ALIGN WITH THE CENTER OF THE PIPE CIRCLE ABOVE.



- NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES AND LENGTHS AND MATCH POINTS TO PRIOR RAMP AND SIDEWALK CONSTRUCTION.
  2. THE ENGINEER MAY ADJUST ELEVATION TO FIT FIELD CONSTRUCTION.
  3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
  4. ALL STATION AND OFFSET INFORMATION REFERENCE SOUTH TRAIL R/L

LEGEND

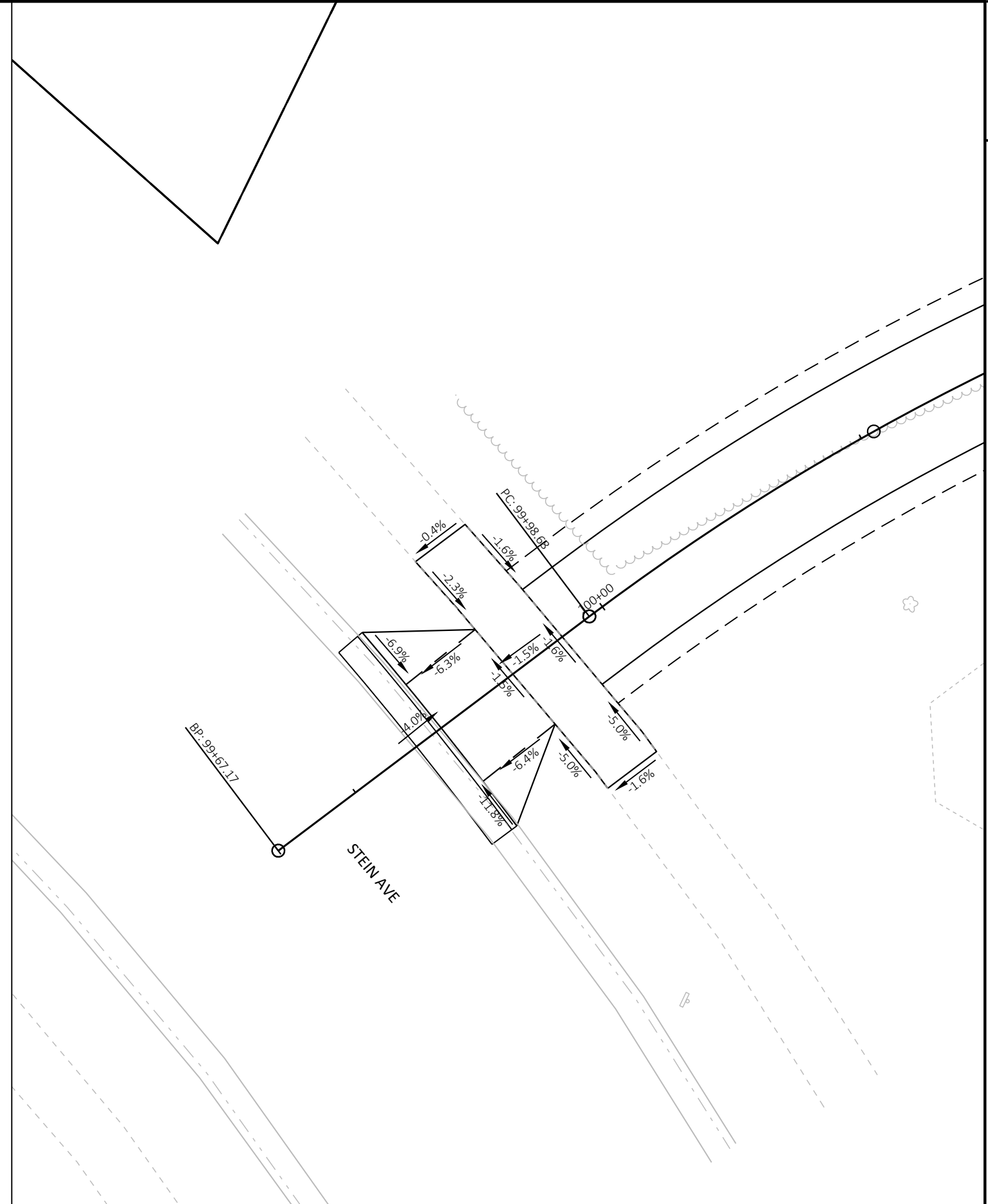
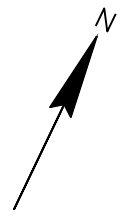
(X)	CURB RAMP TYPE
(SWX)	CONCRETE SIDEWALK X-INCH
(PED)	CONCRETE PEDESTRIAN CURB
(X)	PONT NUMBER



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LEGEND

(X)	CURB RAMP TYPE
(SWX)	CONCRETE SIDEWALK X-INCH
(PED)	CONCRETE PEDESTRIAN CURB
(X)	PONT NUMBER



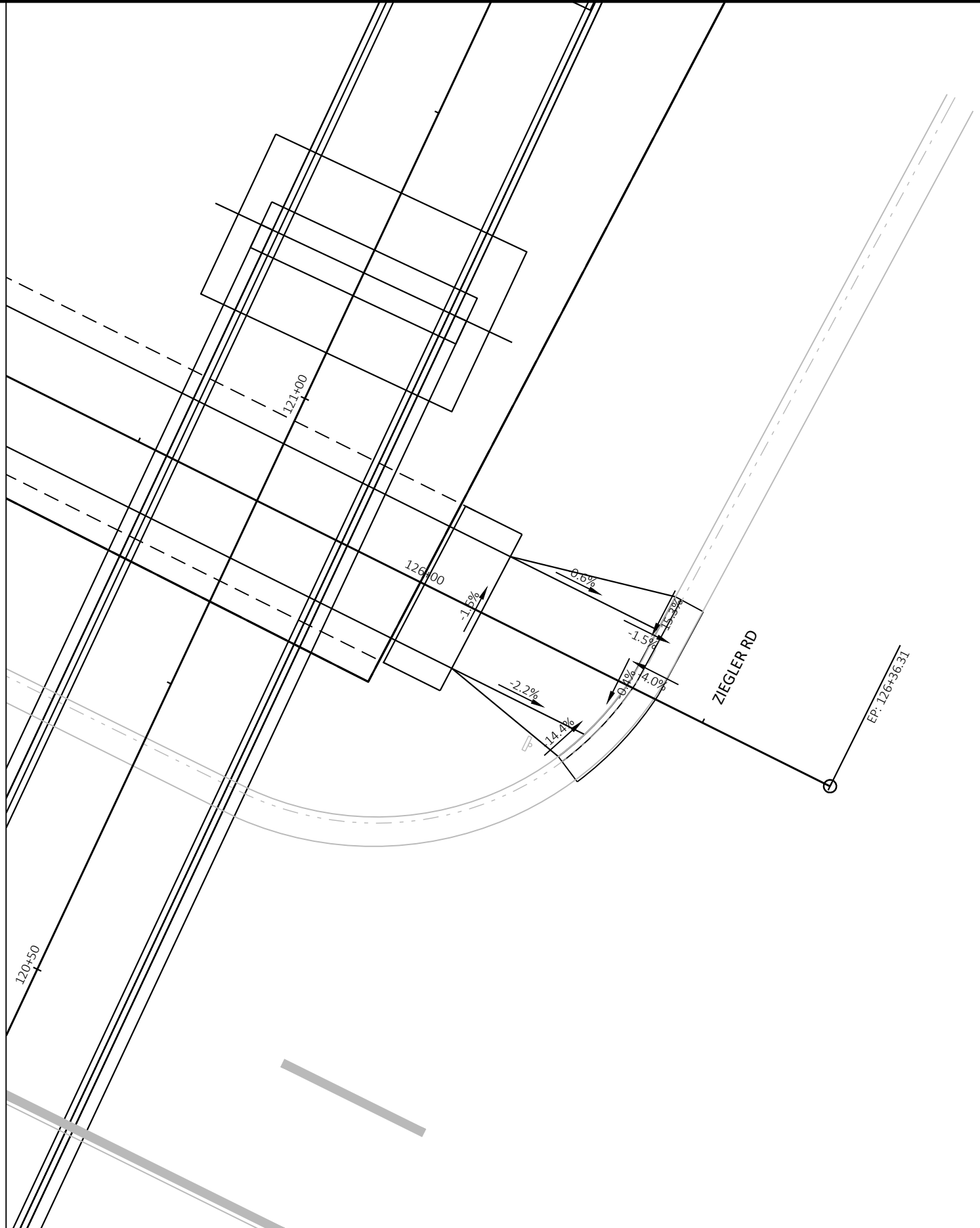
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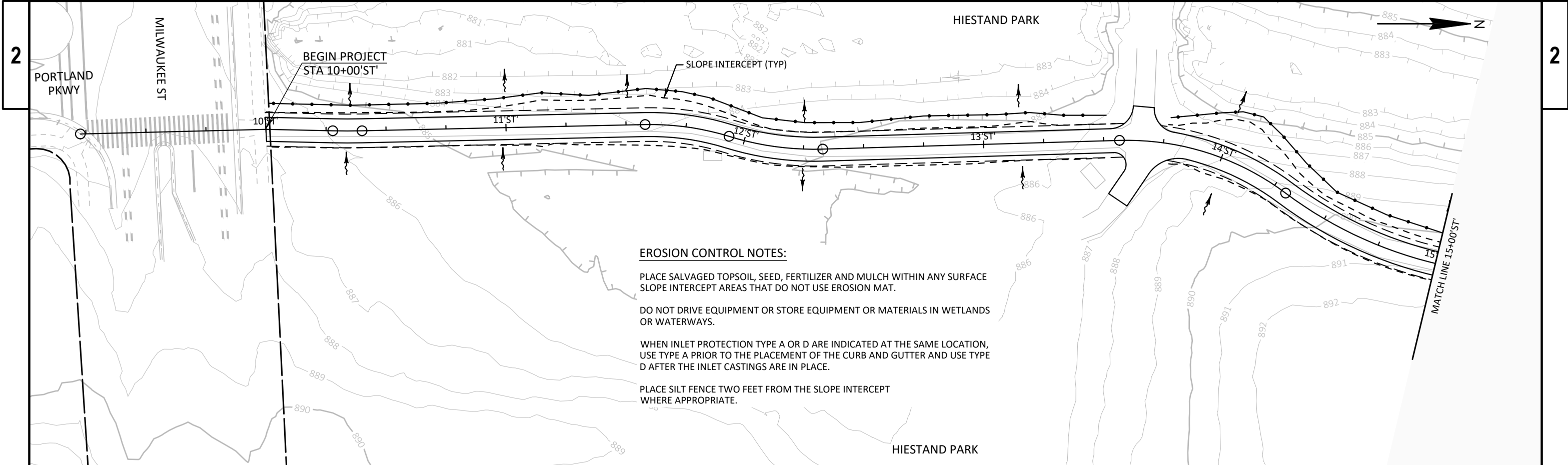
2

2

LEGEND

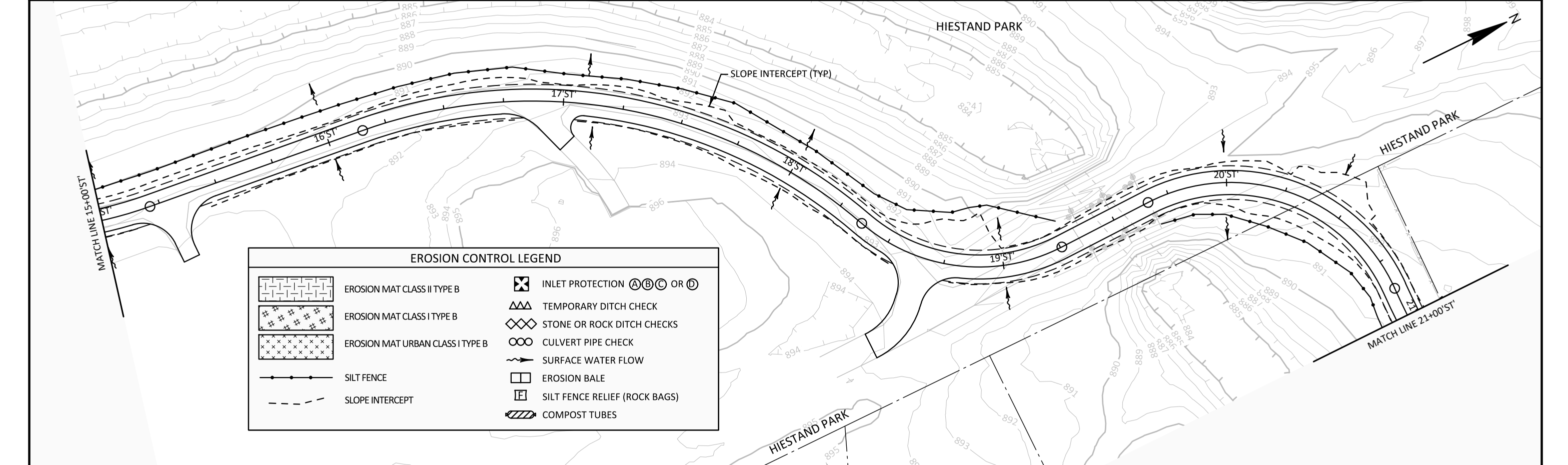
(X)	CURB RAMP TYPE
(SWX)	CONCRETE SIDEWALK X-INCH
(PED)	CONCRETE PEDESTRIAN CURB
(X)	PONT NUMBER



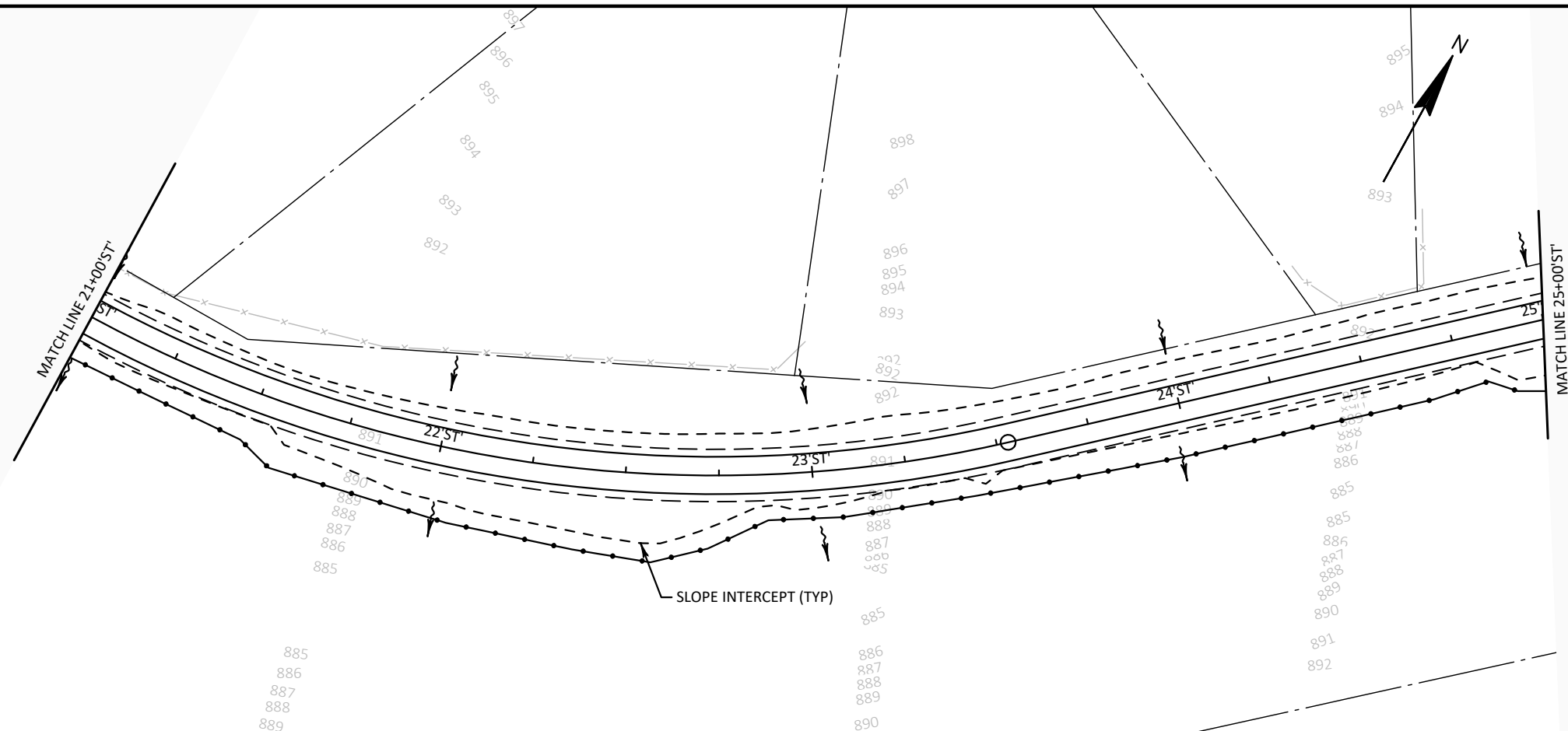


**EROSION CONTROL NOTES:**

- PLACE SALVAGED TOPSOIL, SEED, FERTILIZER AND MULCH WITHIN ANY SURFACE SLOPE INTERCEPT AREAS THAT DO NOT USE EROSION MAT.
- DO NOT DRIVE EQUIPMENT OR STORE EQUIPMENT OR MATERIALS IN WETLANDS OR WATERWAYS.
- WHEN INLET PROTECTION TYPE A OR D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF THE CURB AND GUTTER AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.
- PLACE SILT FENCE TWO FEET FROM THE SLOPE INTERCEPT WHERE APPROPRIATE.



EROSION CONTROL LEGEND	
	EROSION MAT CLASS II TYPE B
	EROSION MAT CLASS I TYPE B
	EROSION MAT URBAN CLASS I TYPE B
	SILT FENCE
	SLOPE INTERCEPT
	INLET PROTECTION (A)(B)(C) OR (D)
	TEMPORARY DITCH CHECK
	STONE OR ROCK DITCH CHECKS
	CULVERT PIPE CHECK
	SURFACE WATER FLOW
	EROSION BALE
	SILT FENCE RELIEF (ROCK BAGS)
	COMPOST TUBES



MATCH LINE 25+00'ST

SLOPE INTERCEPT (TYP)

END CONSTRUCTION SOUTH SEGMENT STA 27+05'ST

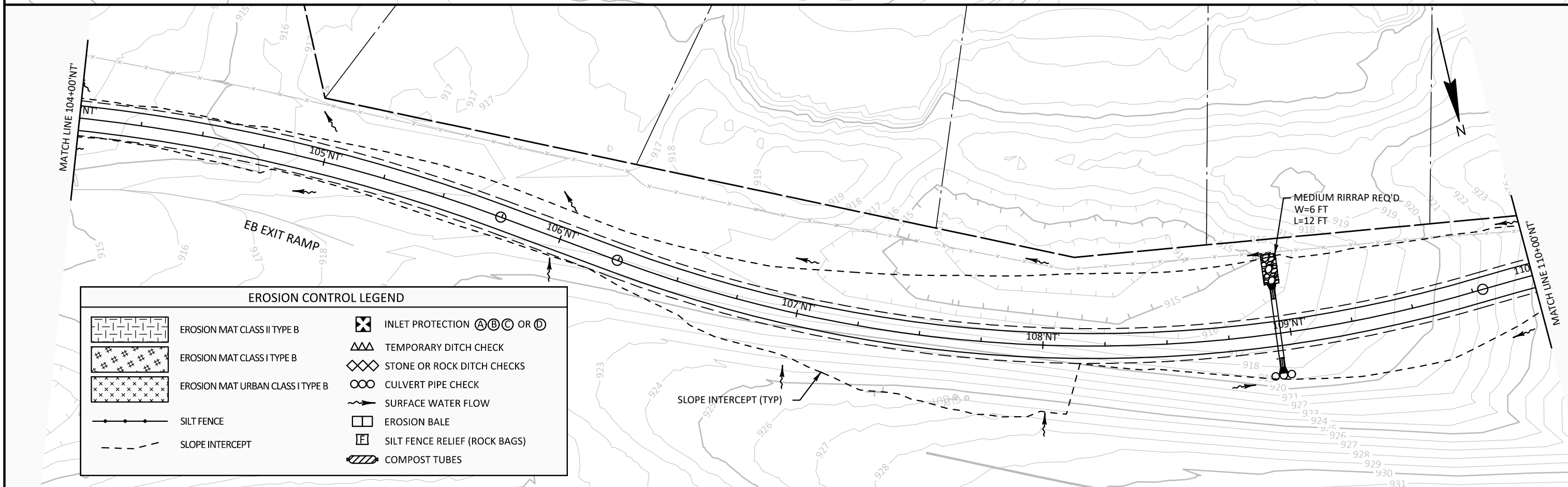
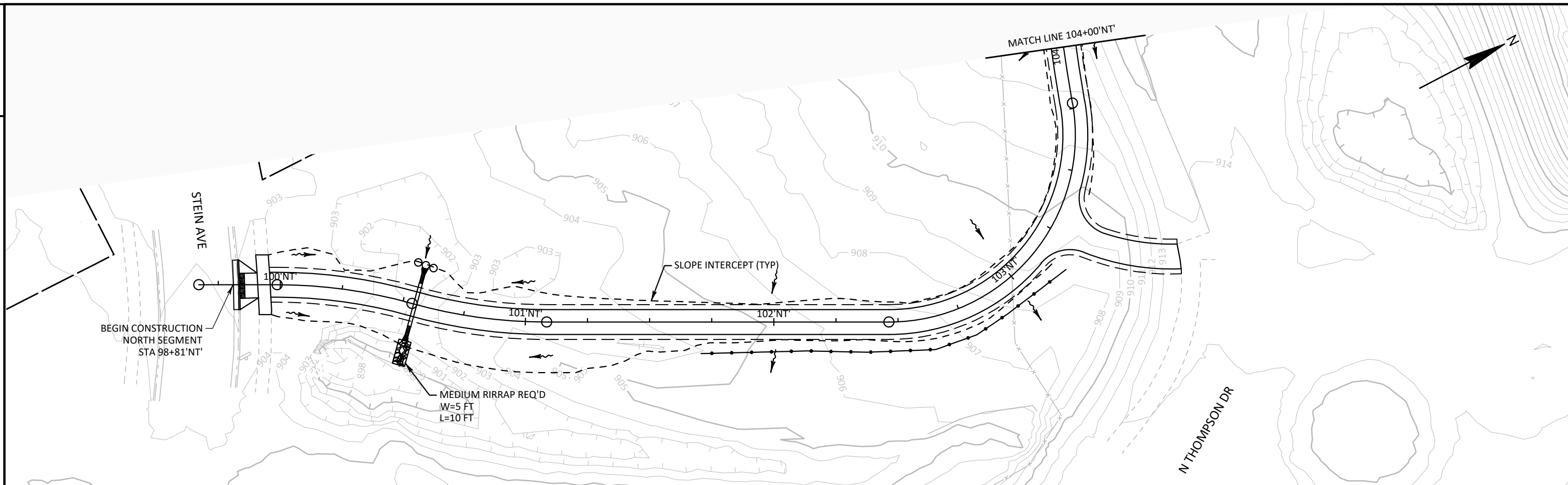
26'ST

27'ST

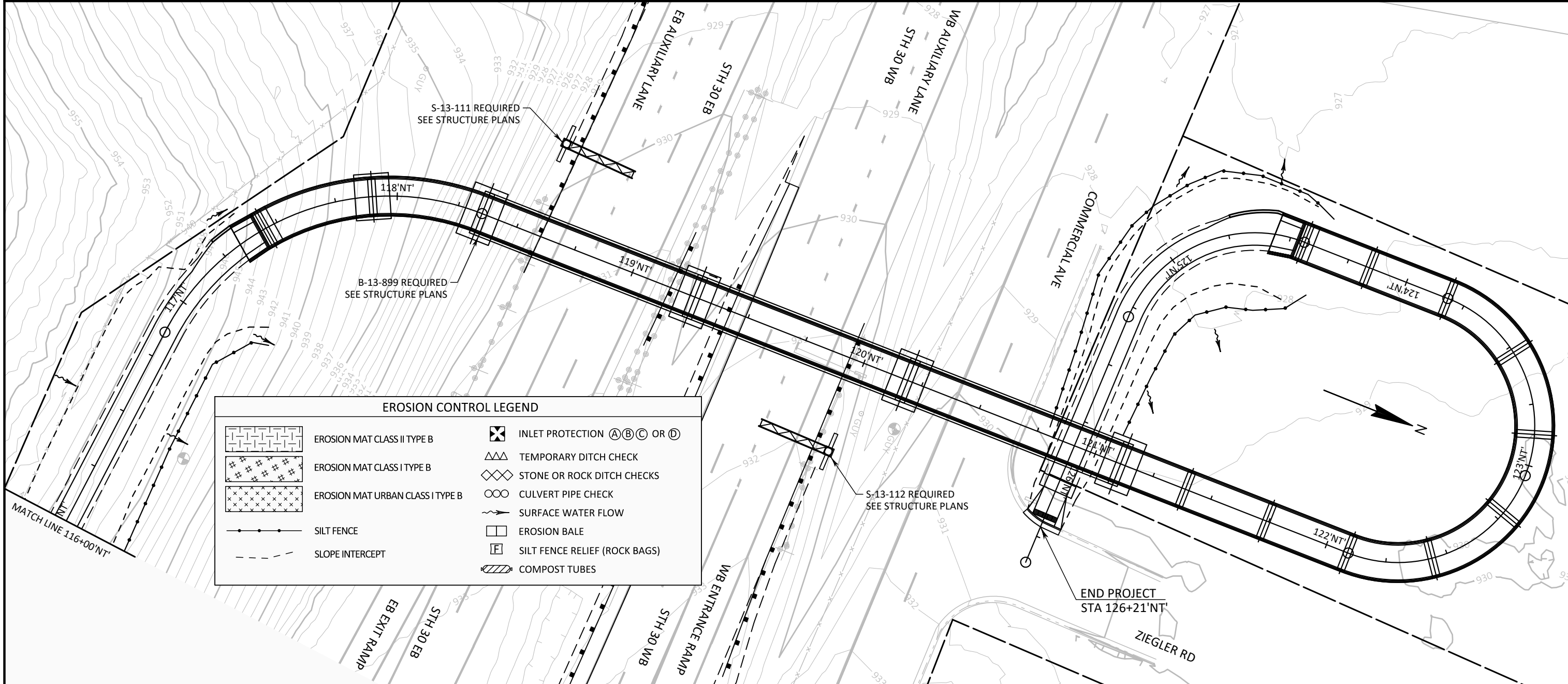
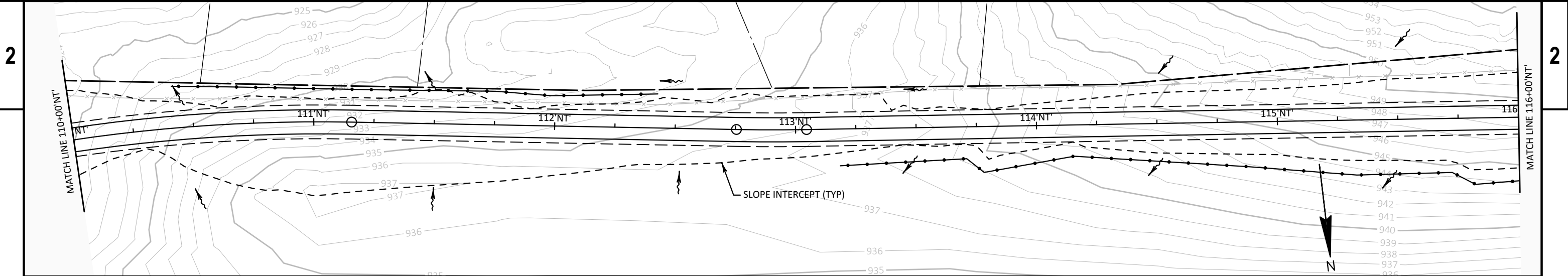
STEIN AVE

McCANN RD

EROSION CONTROL LEGEND	
	EROSION MAT CLASS II TYPE B
	EROSION MAT CLASS I TYPE B
	EROSION MAT URBAN CLASS I TYPE B
	SILT FENCE
	SLOPE INTERCEPT
	INLET PROTECTION (A)(B)(C) OR (D)
	TEMPORARY DITCH CHECK
	STONE OR ROCK DITCH CHECKS
	CULVERT PIPE CHECK
	SURFACE WATER FLOW
	EROSION BALE
	SILT FENCE RELIEF (ROCK BAGS)
	COMPOST TUBES



EROSION CONTROL LEGEND	
	EROSION MAT CLASS II TYPE B
	EROSION MAT CLASS I TYPE B
	EROSION MAT URBAN CLASS I TYPE B
	SILT FENCE
	SLOPE INTERCEPT
	INLET PROTECTION (A)(B)(C) OR (D)
	TEMPORARY DITCH CHECK
	STONE OR ROCK DITCH CHECKS
	CULVERT PIPE CHECK
	SURFACE WATER FLOW
	EROSION BALE
	SILT FENCE RELIEF (ROCK BAGS)
	COMPOST TUBES



EROSION CONTROL LEGEND	
	EROSION MAT CLASS II TYPE B
	EROSION MAT CLASS I TYPE B
	EROSION MAT URBAN CLASS I TYPE B
	SILT FENCE
	SLOPE INTERCEPT
	INLET PROTECTION (A)(B)(C) OR (D)
	TEMPORARY DITCH CHECK
	STONE OR ROCK DITCH CHECKS
	CULVERT PIPE CHECK
	SURFACE WATER FLOW
	EROSION BALE
	SILT FENCE RELIEF (ROCK BAGS)
	COMPOST TUBES

PROJECT NO: 5992-11-11

HWY: NON HWY

COUNTY: DANE

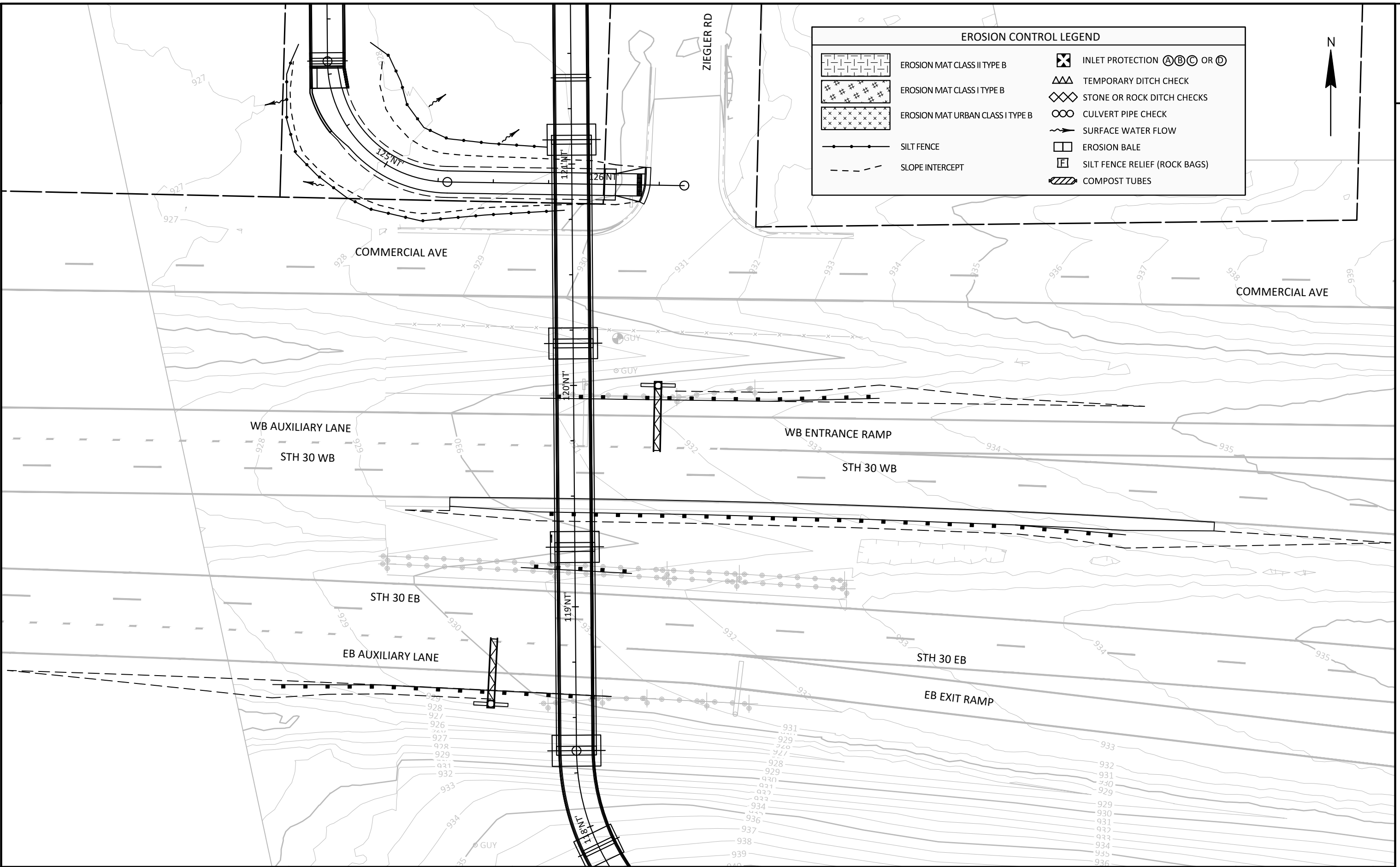
EROSION CONTROL

SHEET

E

**EROSION CONTROL LEGEND**

	EROSION MAT CLASS II TYPE B		INLET PROTECTION (A)(B)(C) OR (D)
	EROSION MAT CLASS I TYPE B		TEMPORARY DITCH CHECK
	EROSION MAT URBAN CLASS I TYPE B		STONE OR ROCK DITCH CHECKS
	SILT FENCE		CULVERT PIPE CHECK
	SLOPE INTERCEPT		SURFACE WATER FLOW
			EROSION BALE
			SILT FENCE RELIEF (ROCK BAGS)
			COMPOST TUBES





GENERAL NOTES: TRAFFIC CONTROL

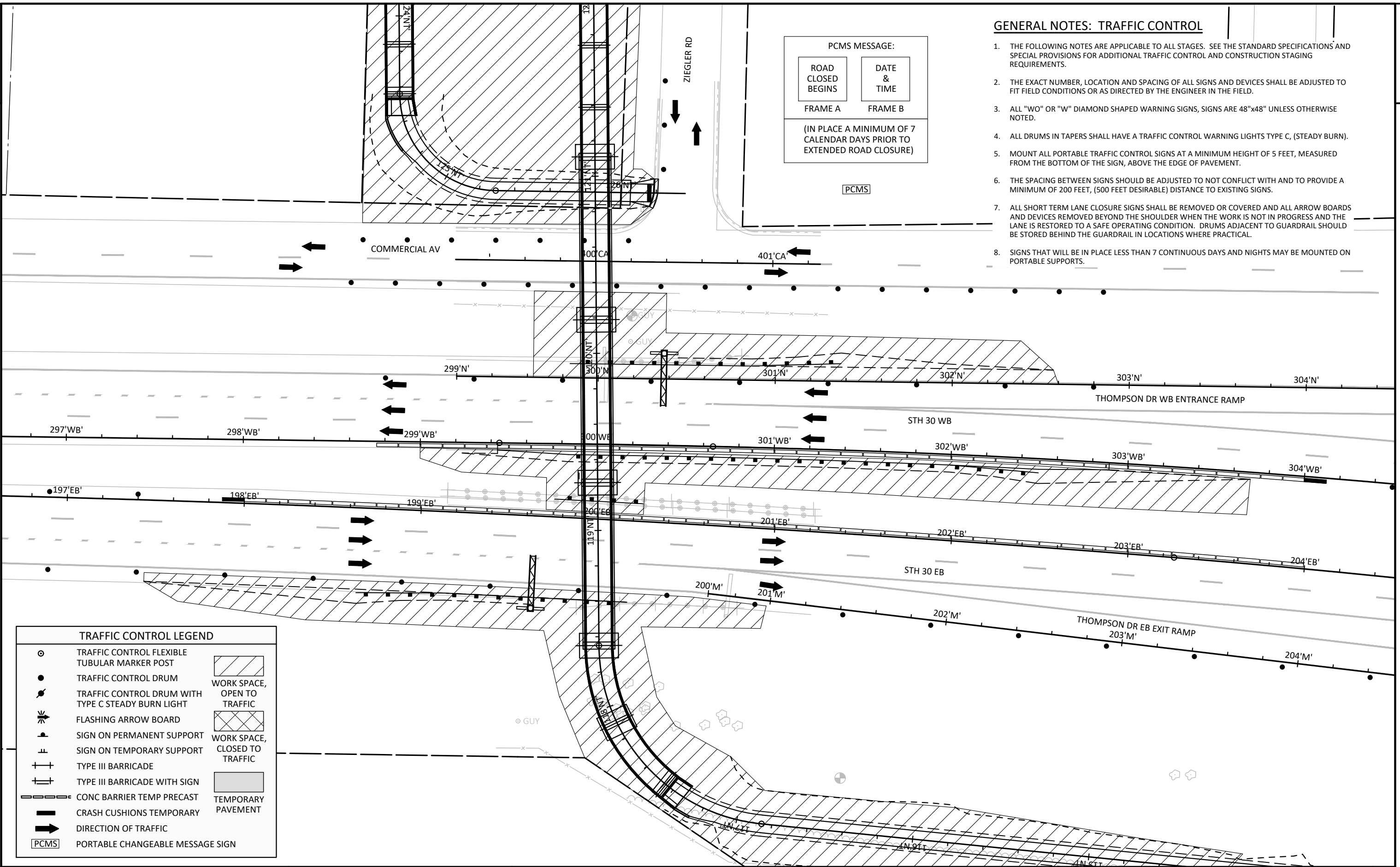
1. THE FOLLOWING NOTES ARE APPLICABLE TO ALL STAGES. SEE THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL AND CONSTRUCTION STAGING REQUIREMENTS.
2. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
3. ALL "WO" OR "W" DIAMOND SHAPED WARNING SIGNS, SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.
4. ALL DRUMS IN TAPERS SHALL HAVE A TRAFFIC CONTROL WARNING LIGHTS TYPE C, (STEADY BURN).
5. MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.
6. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.
7. ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROW BOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION. DRUMS ADJACENT TO GUARDRAIL SHOULD BE STORED BEHIND THE GUARDRAIL IN LOCATIONS WHERE PRACTICAL.
8. SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PCMS MESSAGE:

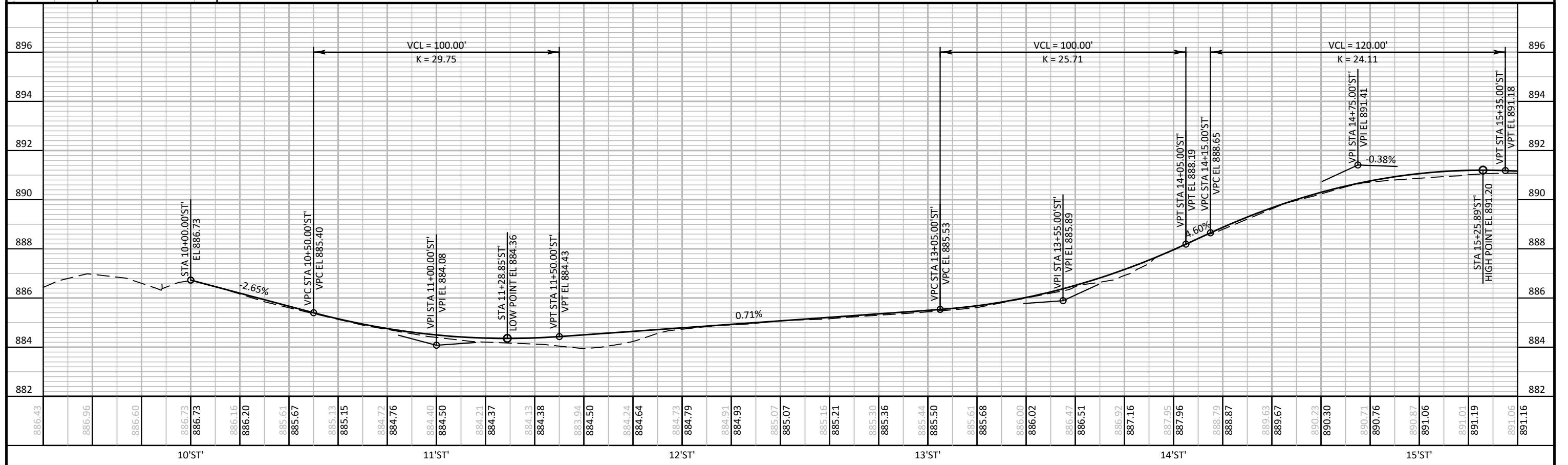
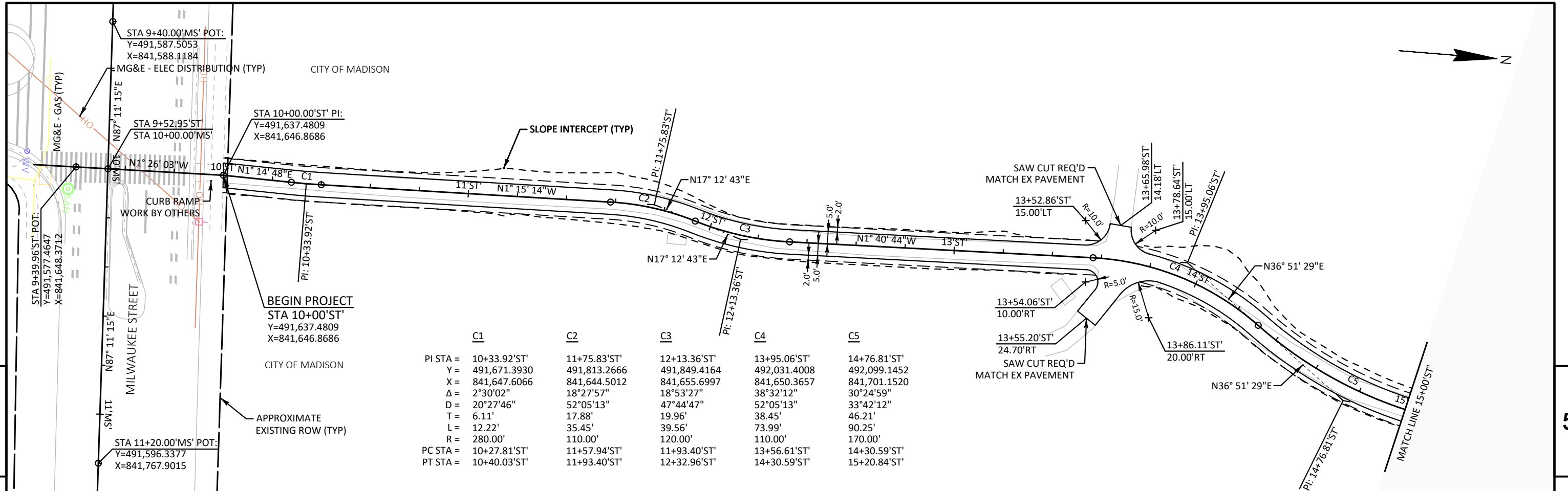
ROAD CLOSED BEGINS	DATE & TIME
FRAME A	FRAME B

(IN PLACE A MINIMUM OF 7 CALENDAR DAYS PRIOR TO EXTENDED ROAD CLOSURE)

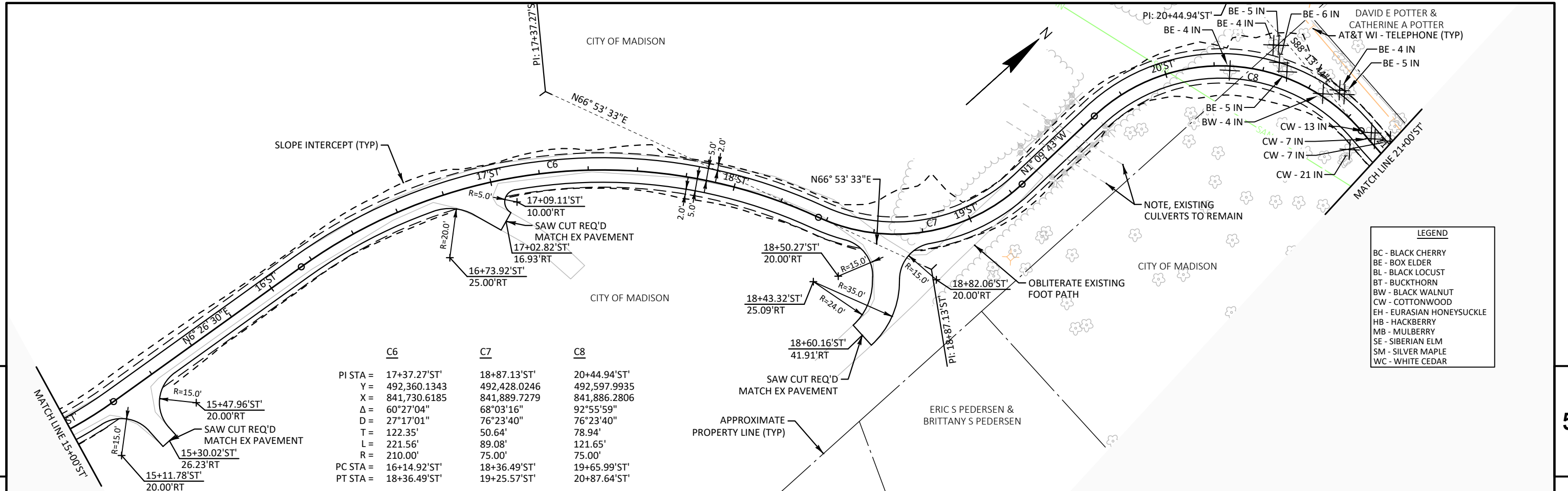
PCMS



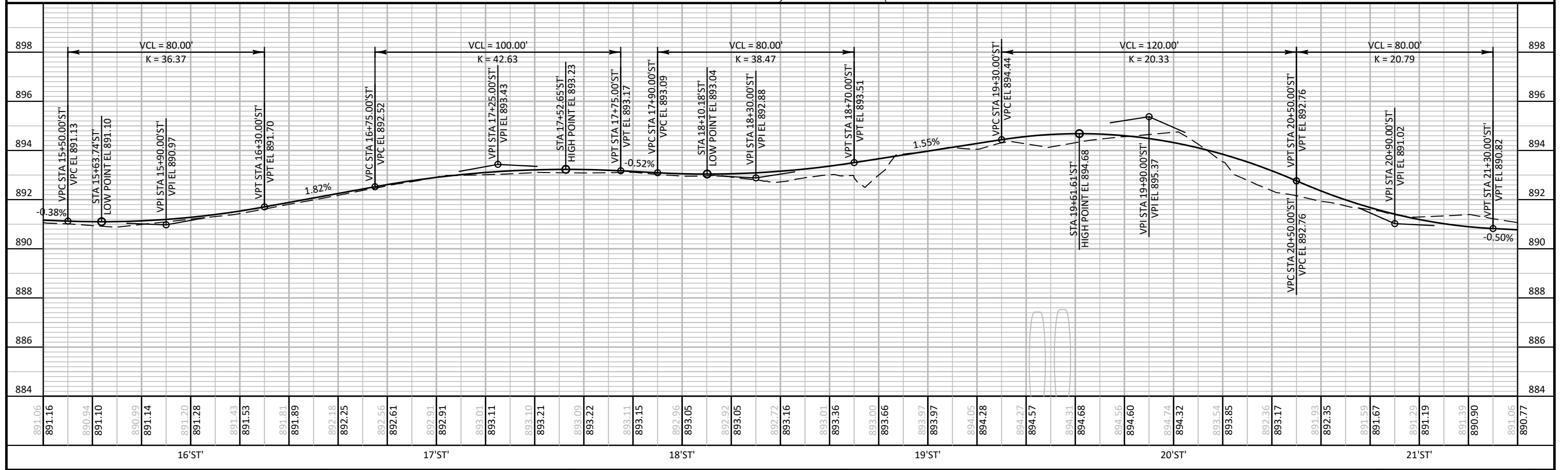
TRAFFIC CONTROL LEGEND	
○	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POST
●	TRAFFIC CONTROL DRUM
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
↔	FLASHING ARROW BOARD
⊥	SIGN ON PERMANENT SUPPORT
⊥	SIGN ON TEMPORARY SUPPORT
⊥	TYPE III BARRICADE
⊥	TYPE III BARRICADE WITH SIGN
▬	CONC BARRIER TEMP PRECAST
▬	CRASH CUSHIONS TEMPORARY
➔	DIRECTION OF TRAFFIC
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
▨	WORK SPACE, OPEN TO TRAFFIC
▩	WORK SPACE, CLOSED TO TRAFFIC
▭	TEMPORARY PAVEMENT



PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	PLAN AND PROFILE SOUTH TRAIL SEGMENT	SHEET E
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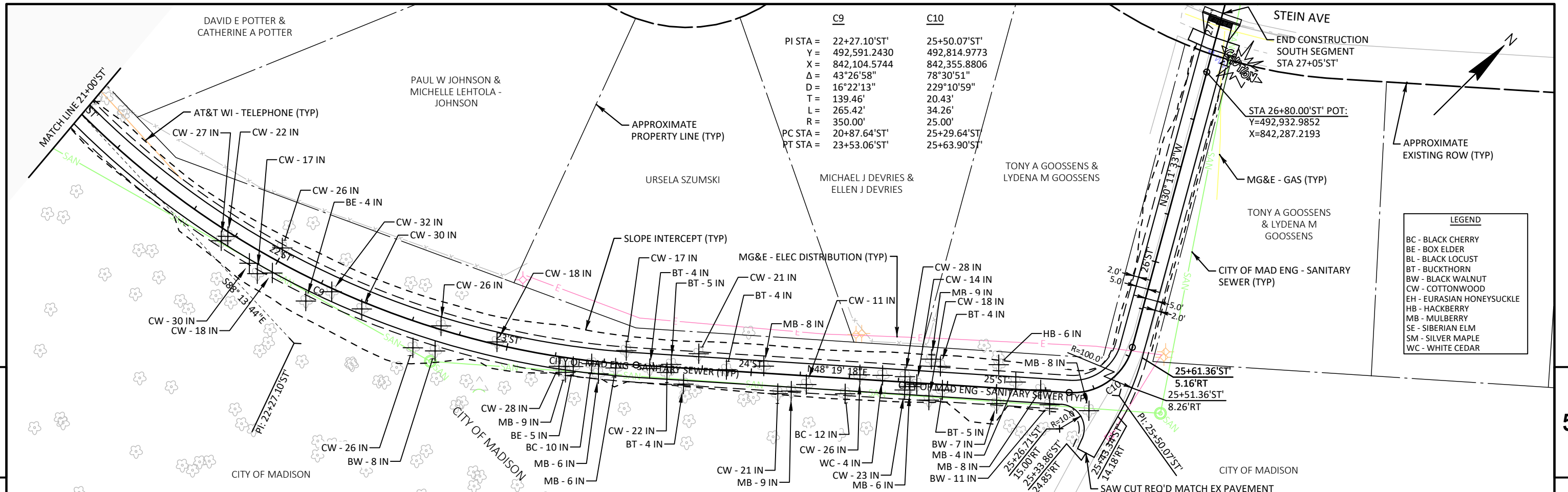


	C6	C7	C8
PI STA =	17+37.27'ST'	18+87.13'ST'	20+44.94'ST'
Y =	492,360.1343	492,428.0246	492,597.9935
X =	841,730.6185	841,889.7279	841,886.2806
Δ =	60°27'04"	68°03'16"	92°55'59"
D =	27°17'01"	76°23'40"	76°23'40"
T =	122.35'	50.64'	78.94'
L =	221.56'	89.08'	121.65'
R =	210.00'	75.00'	75.00'
PC STA =	16+14.92'ST'	18+36.49'ST'	19+65.99'ST'
PT STA =	18+36.49'ST'	19+25.57'ST'	20+87.64'ST'



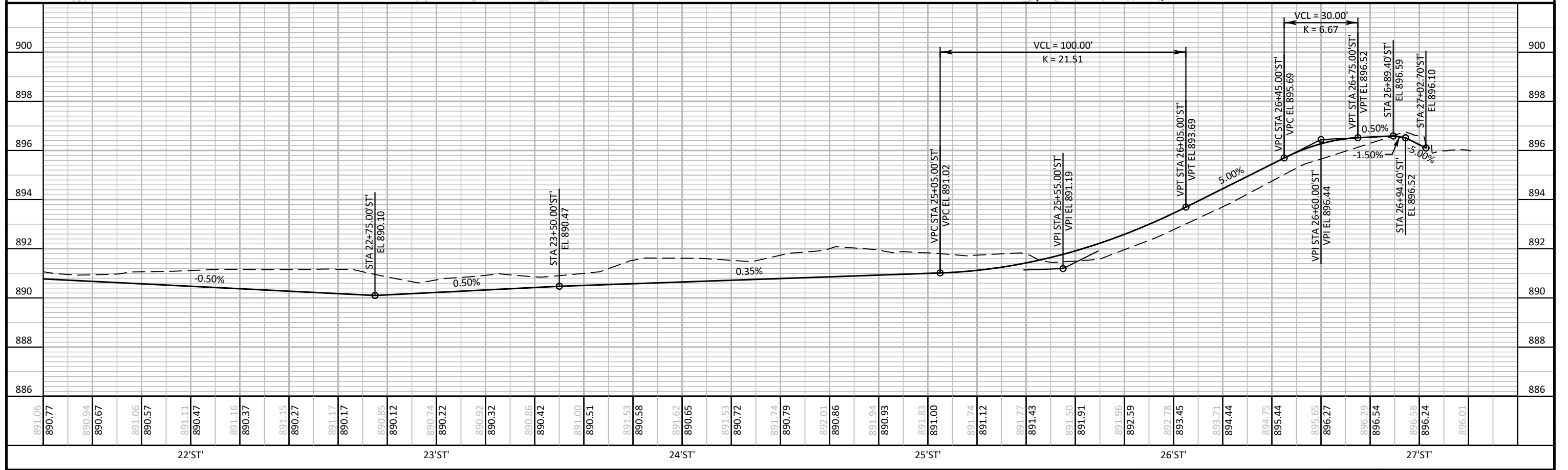
891.06	891.16	890.94	891.10	890.99	891.14	891.20	891.28	891.43	891.53	891.81	891.89	892.18	892.25	892.56	892.61	892.91	892.91	893.01	893.11	893.10	893.21	893.09	893.22	893.11	893.15	892.96	893.05	892.92	893.05	892.72	893.16	893.01	893.36	893.00	893.66	893.97	893.97	894.05	894.28	894.27	894.57	894.31	894.68	894.56	894.60	894.74	894.32	893.54	893.85	892.36	893.17	891.93	892.35	891.59	891.67	891.29	891.19	891.39	890.90	891.06	890.77				
16'ST'																17'ST'										18'ST'										19'ST'										20'ST'										21'ST'									

PROJECT NO: 5992-11-11    HWY: NON HWY    COUNTY: DANE    PLAN AND PROFILE    SOUTH TRAIL SEGMENT    SHEET    E



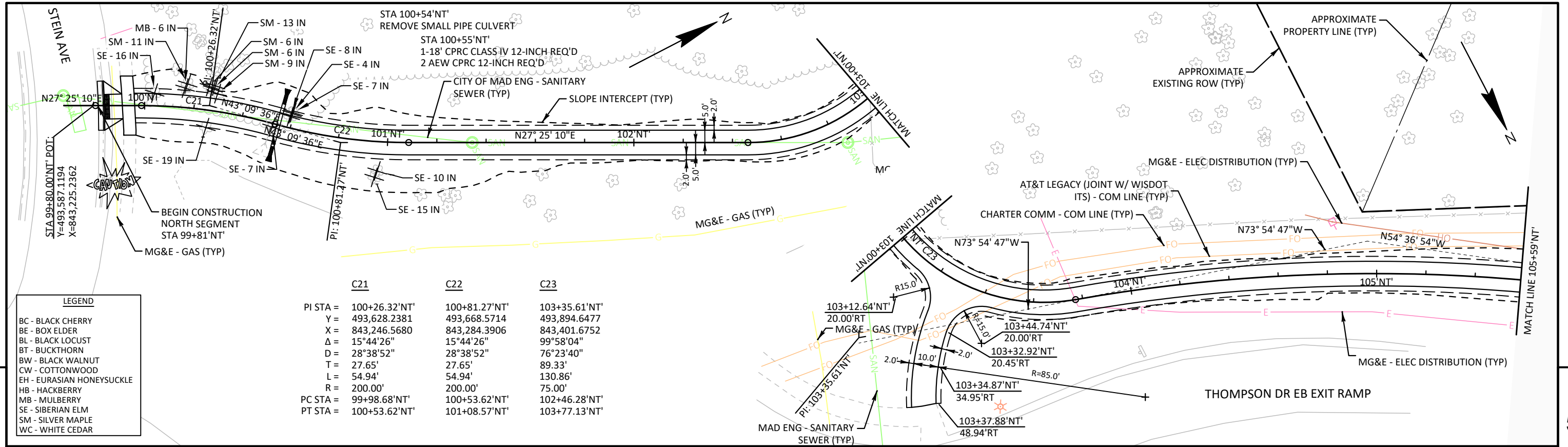
	C9	C10
PI STA =	22+27.10'ST'	25+50.07'ST'
Y =	492,591.2430	492,814.9773
X =	842,104.5744	842,355.8806
Δ =	43°26'58"	78°30'51"
D =	16°22'13"	229°10'59"
T =	139.46'	20.43'
L =	265.42'	34.26'
R =	350.00'	25.00'
PC STA =	20+87.64'ST'	25+29.64'ST'
PT STA =	23+53.06'ST'	25+63.90'ST'

LEGEND	
BC	- BLACK CHERRY
BE	- BOX ELDER
BL	- BLACK LOCUST
BT	- BUCKTHORN
BW	- BLACK WALNUT
CW	- COTTONWOOD
EH	- EURASIAN HONEYSUCKLE
HB	- HACKBERRY
MB	- MULBERRY
SE	- SIBERIAN ELM
SM	- SILVER MAPLE
WC	- WHITE CEDAR



PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	PLAN AND PROFILE SOUTH TRAIL SEGMENT	SHEET E
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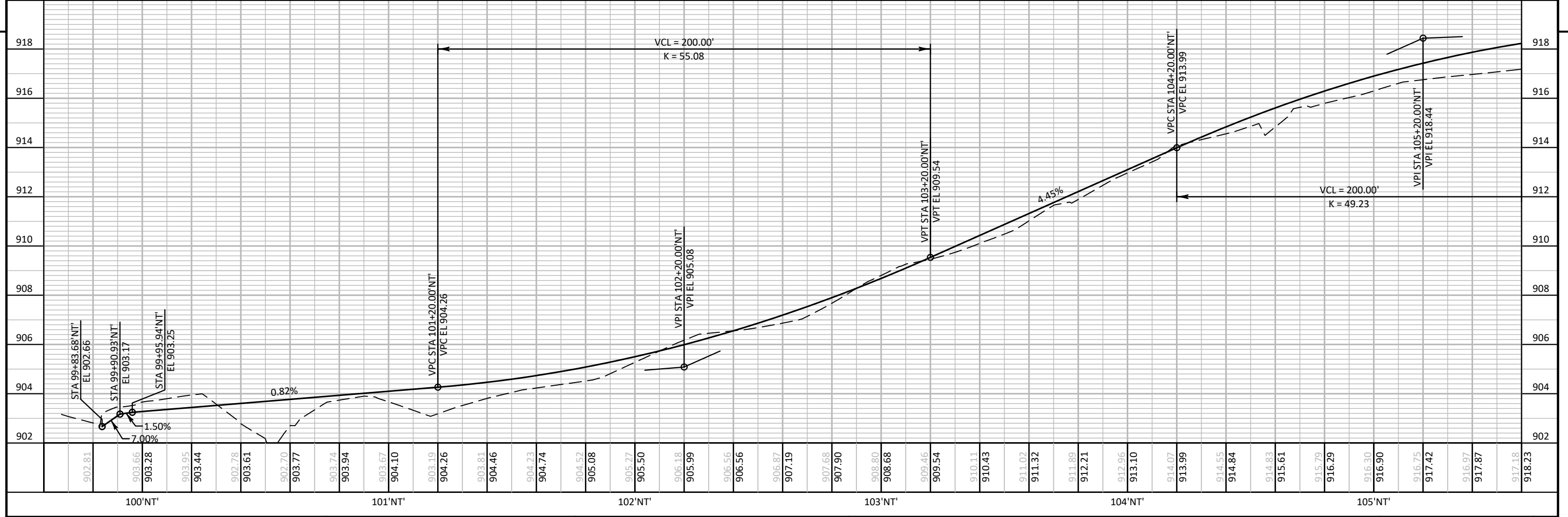




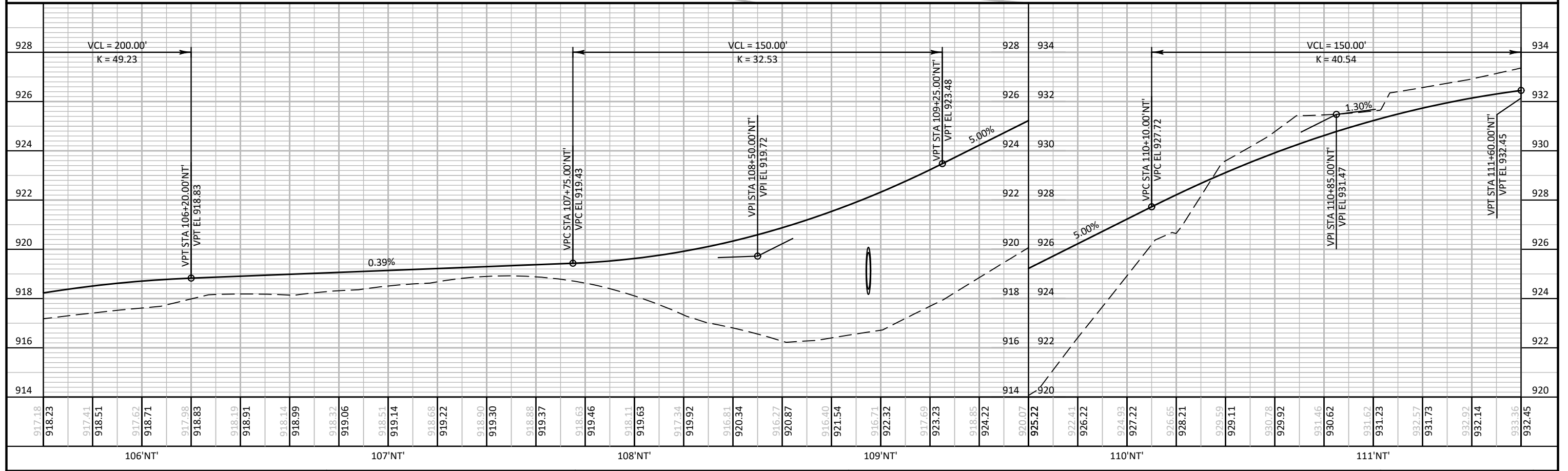
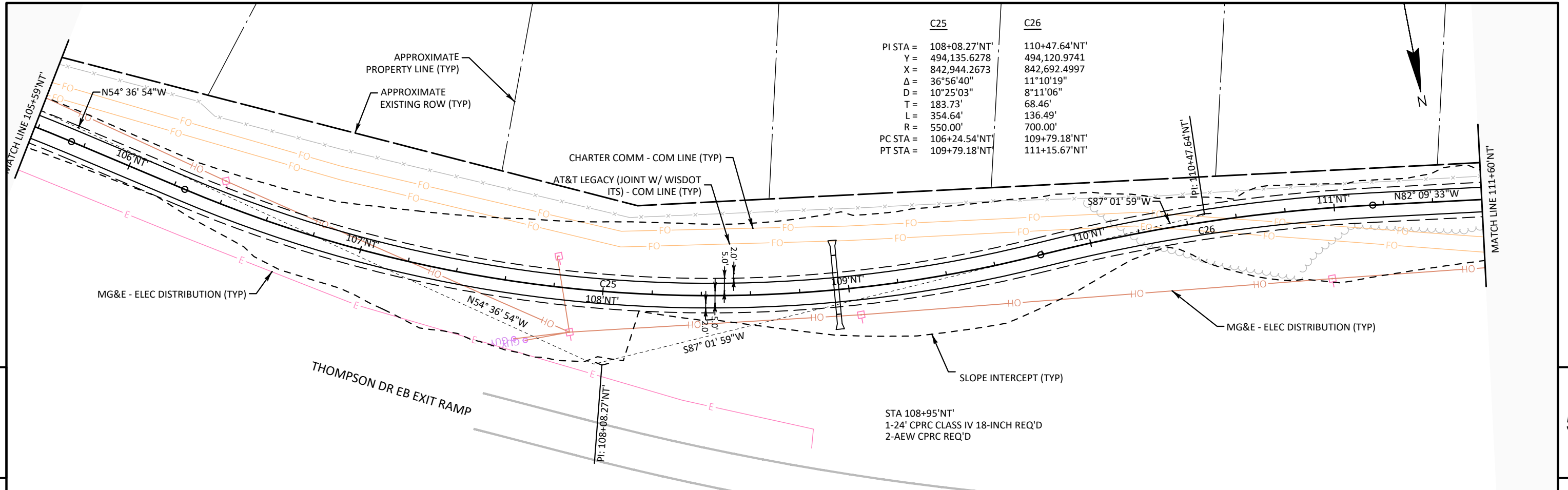
**LEGEND**

- BC - BLACK CHERRY
- BE - BOX ELDER
- BL - BLACK LOCUST
- BT - BUCKTHORN
- BW - BLACK WALNUT
- CW - COTTONWOOD
- EH - EURASIAN HONEYSUCKLE
- HB - HACKBERRY
- MB - MULBERRY
- SE - SIBERIAN ELM
- SM - SILVER MAPLE
- WC - WHITE CEDAR

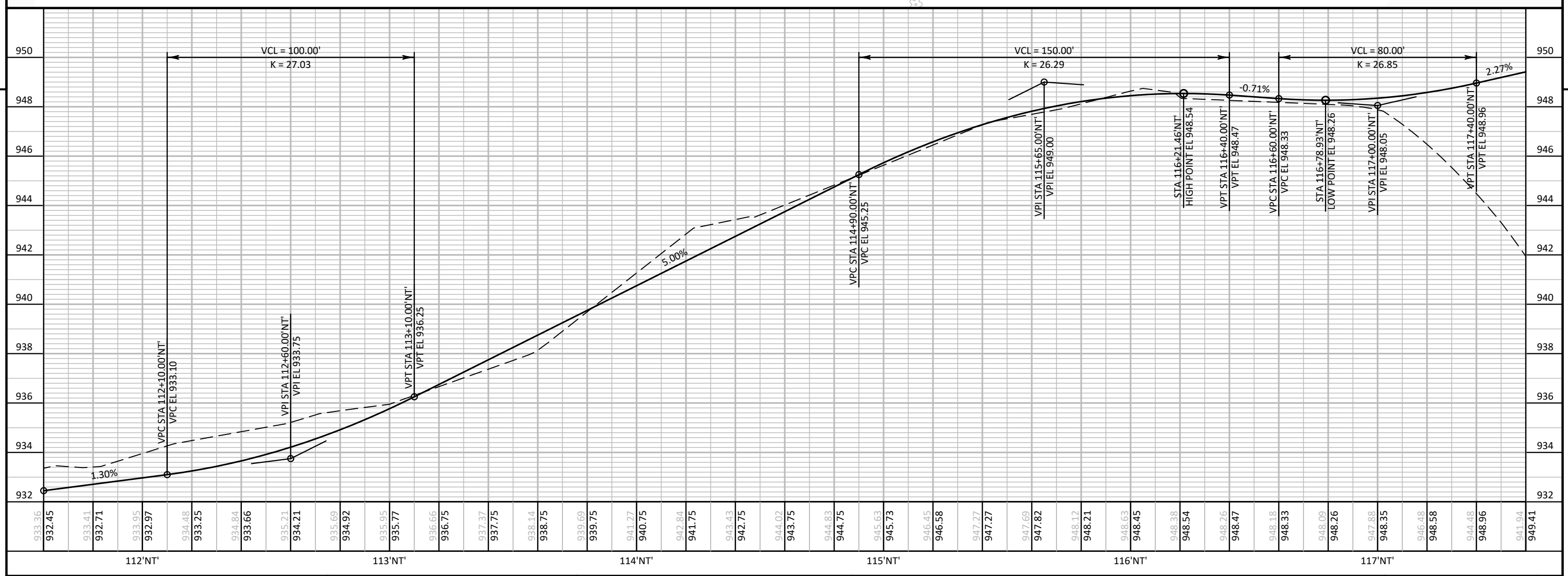
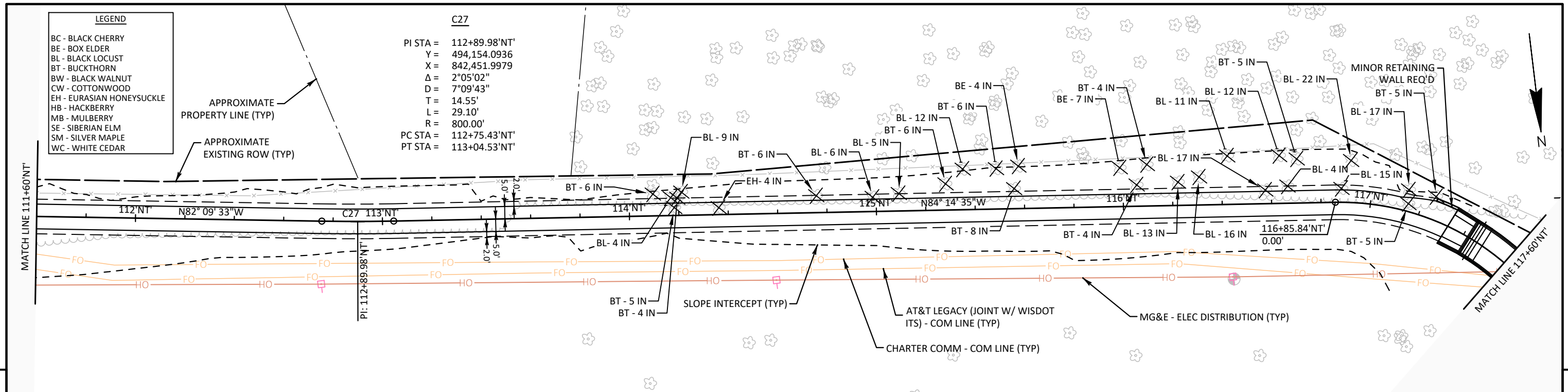
	C21	C22	C23
PI STA =	100+26.32'NT'	100+81.27'NT'	103+35.61'NT'
Y =	493,628.2381	493,668.5714	493,894.6477
X =	843,246.5680	843,284.3906	843,401.6752
Δ =	15°44'26"	15°44'26"	99°58'04"
D =	28°38'52"	28°38'52"	76°23'40"
T =	27.65'	27.65'	89.33'
L =	54.94'	54.94'	130.86'
R =	200.00'	200.00'	75.00'
PC STA =	99+98.68'NT'	100+53.62'NT'	102+46.28'NT'
PT STA =	100+53.62'NT'	101+08.57'NT'	103+77.13'NT'



PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	PLAN AND PROFILE NORTH TRAIL SEGMENT	SHEET E
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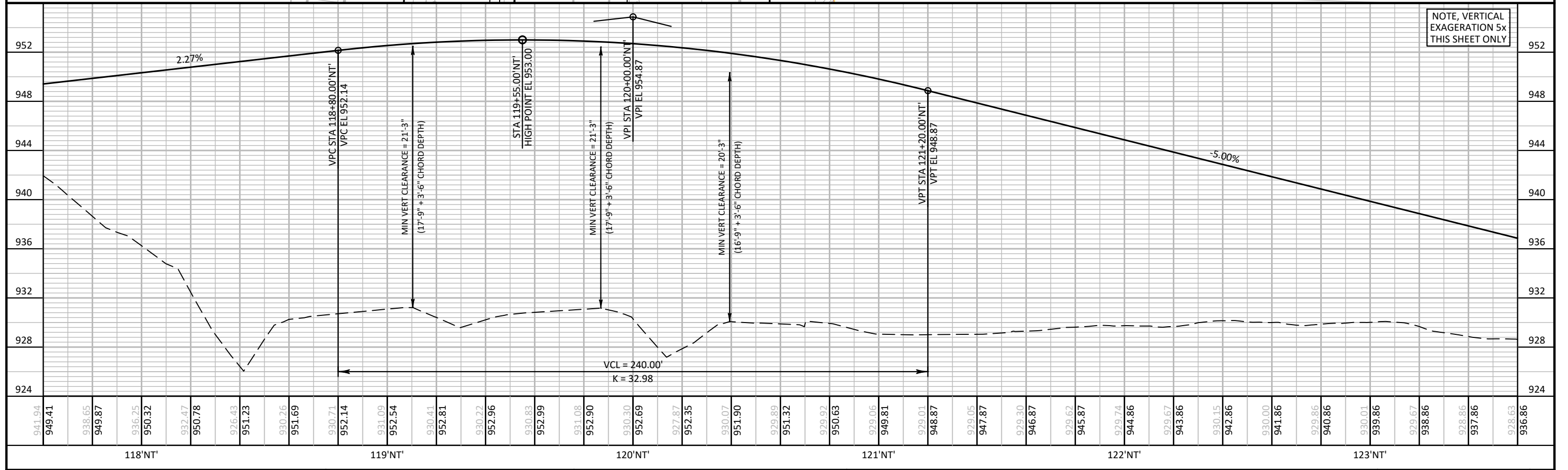
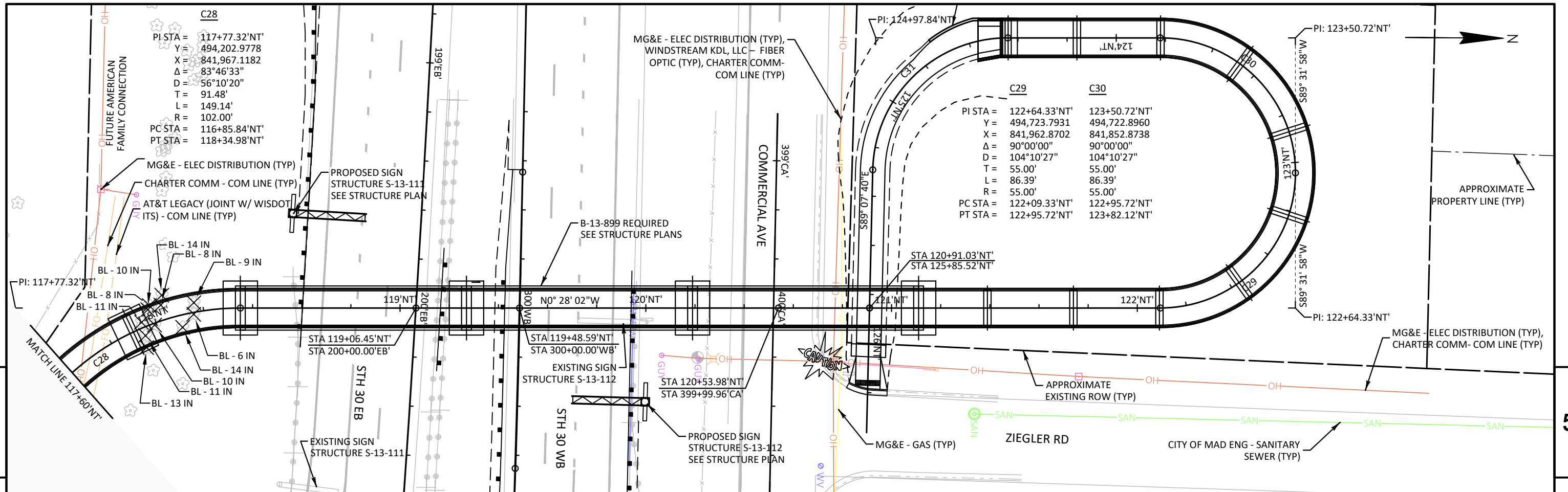


PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      PLAN AND PROFILE      NORTH TRAIL SEGMENT      SHEET      E



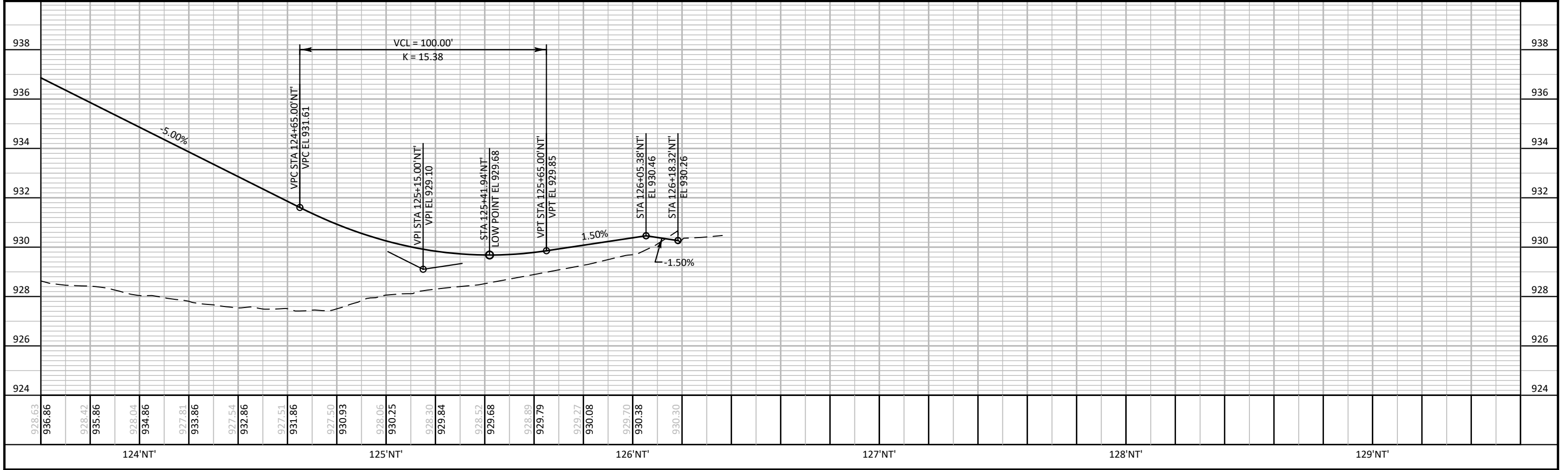
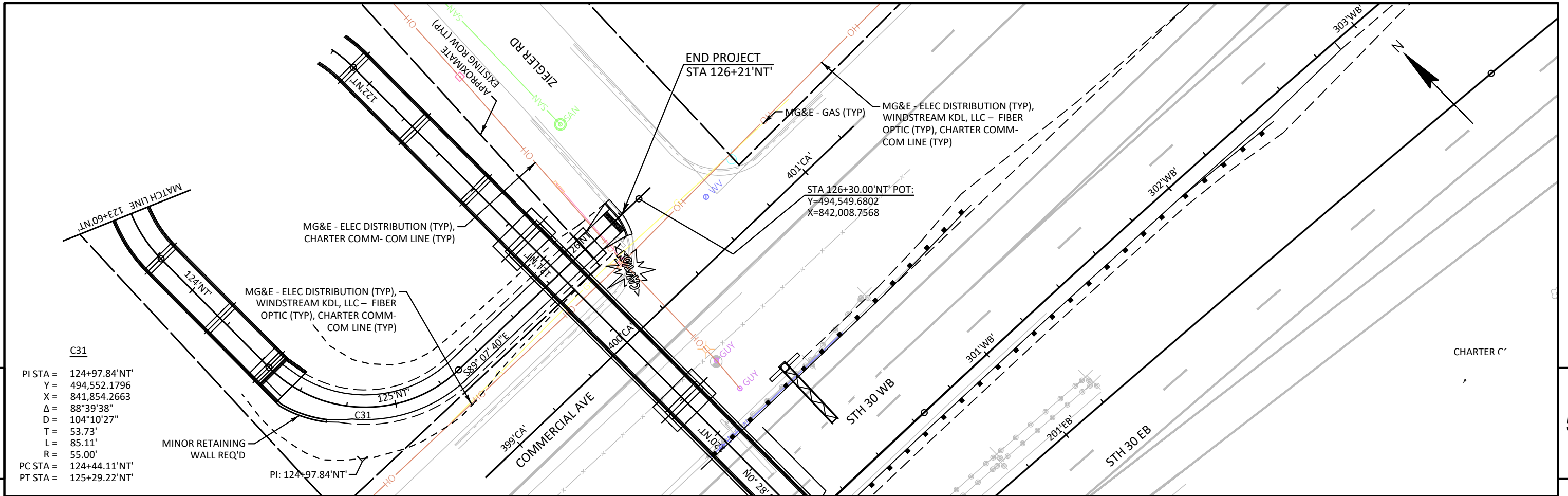
933.36	932.45	933.41	932.71	933.95	932.97	934.48	933.25	934.84	933.66	935.21	934.21	935.69	934.92	935.95	935.77	936.66	936.75	937.37	937.75	938.14	938.75	939.68	939.75	941.27	940.75	942.84	941.75	943.43	942.75	944.02	943.75	944.83	944.75	945.63	945.73	946.45	946.58	947.27	947.27	947.69	947.82	948.12	948.21	948.63	948.45	948.38	948.54	948.26	948.47	948.18	948.33	948.09	948.26	947.88	948.35	946.48	948.58	944.48	948.96	941.94	949.41				
112'NT'											113'NT'											114'NT'											115'NT'											116'NT'											117'NT'										

PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	PLAN AND PROFILE	NORTH TRAIL SEGMENT	SHEET	E
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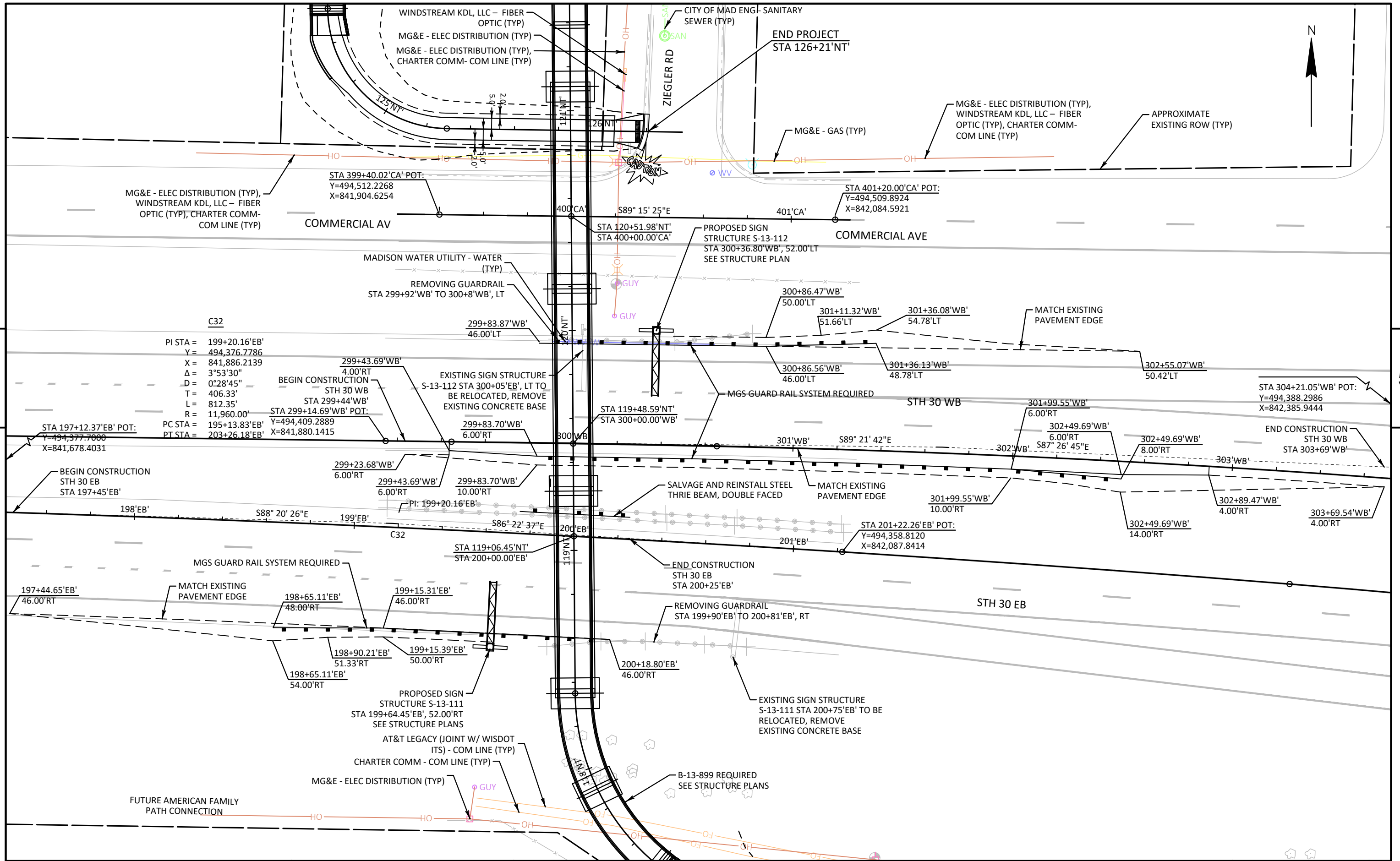


PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      PLAN AND PROFILE      NORTH TRAIL SEGMENT      SHEET      E





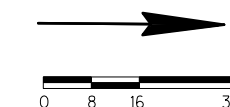
PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	PLAN AND PROFILE	NORTH TRAIL SEGMENT	SHEET	E
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**C32**  
 PI STA = 199+20.16'EB'  
 Y = 494,376.7786  
 X = 841,886.2139  
 Δ = 3°53'30"  
 D = 0°28'45"  
 T = 406.33'  
 L = 812.35'  
 R = 11,960.00'  
 PC STA = 195+13.83'EB'  
 PT STA = 203+26.18'EB'

BEGIN CONSTRUCTION  
 STH 30 WB  
 STA 299+44'WB'  
 STA 299+14.69'WB' POT:  
 Y=494,409.2889  
 X=841,880.1415

STA 304+21.05'WB' POT:  
 Y=494,388.2986  
 X=842,385.9444



**DESIGN DATA**

AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2ND EDITION.

**LIVE LOAD:**  
 LIVE LOAD ON = GREATER OF:  
 TRAIL BRIDGE 90 PSF PER AASHTO  
 OR H-10 MAINTENANCE (20,000 LB)  
 VEHICLE WITHOUT IMPACT

**ULTIMATE DESIGN STRESSES:**  
 CONCRETE MASONRY - SLAB  $f'_c = 4$  ksi  
 - ALL OTHER (GRADE A)  $f'_c = 3.5$  ksi

HIGH STRENGTH BAR STEEL REINFORCEMENT  
 AASHTO GRADE 60  $f_y = 60$  ksi

**STRUCTURAL STEEL:** PER SPECIAL PROVISIONS  
 PREFABRICATED STEEL TRUSS (PAINTED)  $* f_y = 42$  ksi  
 RAILING

\* UNLESS OTHERWISE NOTED

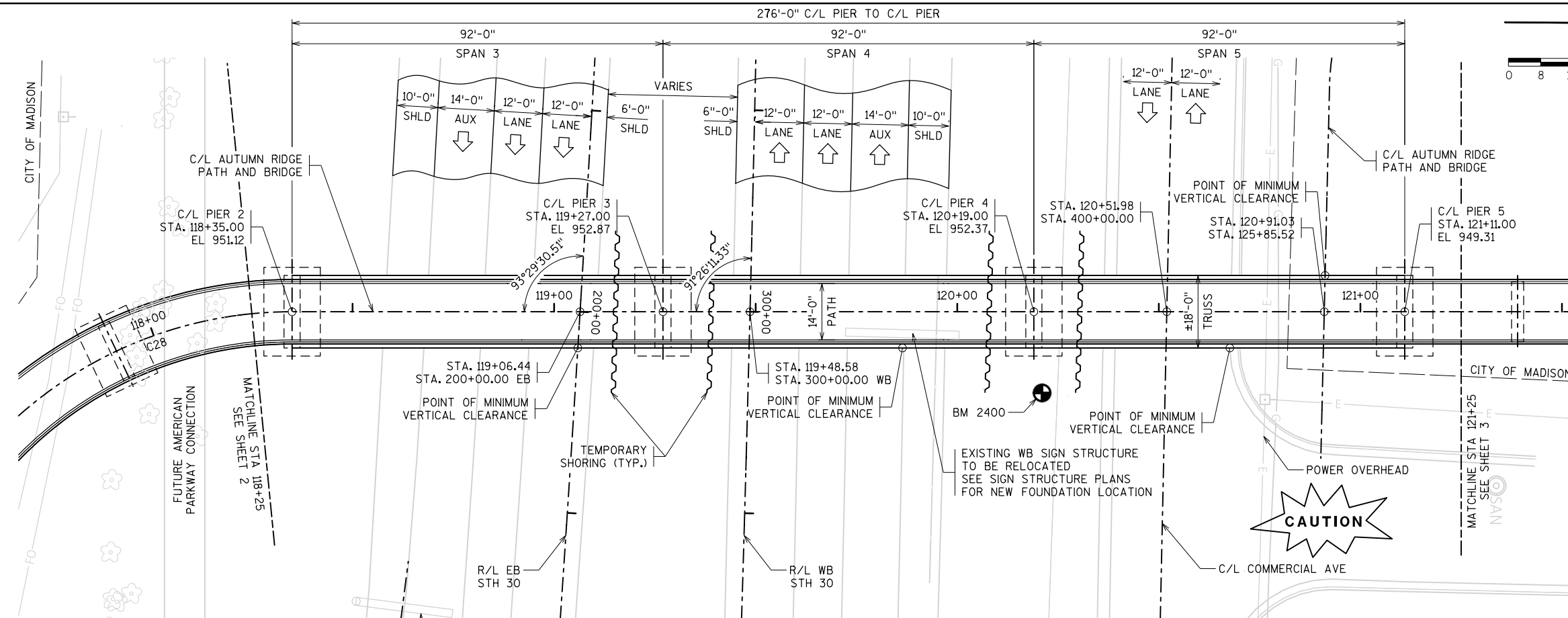
**TRAFFIC DATA**

STH 30

ADT (2018)	=	48,300
ADT (2024)	=	51,080
ADT (2044)	=	60,330
DHV	=	-
DD	=	-
T	=	5.2%
DESIGN SPEED	=	55 MPH

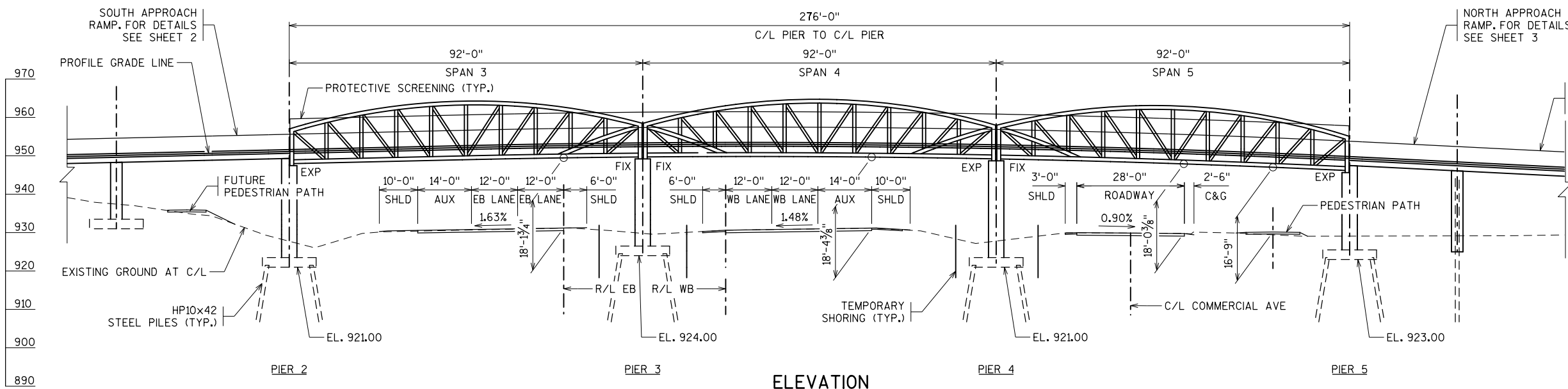
**LIST OF DRAWINGS**

- 1 GENERAL PLAN
- 2 GENERAL PLAN
- 3 GENERAL PLAN
- 4 PROFILE GRADE, QUANTITIES & NOTES
- 5 TYPICAL SECTION AND ELEVATIONS
- 6 SUBSURFACE EXPLORATION
- 7 SUBSURFACE EXPLORATION
- 8 SUBSURFACE EXPLORATION



**GENERAL PLAN**

(THREE-SPAN PREFABRICATED STEEL BOWSTRING TRUSS)  
 (TWELVE-SPAN CONCRETE SLAB)



**ELEVATION**

(LOOKING WEST)

**NOTES:**

SEE SHEET 2 FOR FOUNDATION DATA

PAINTED STEEL BOWSTRING TRUSS DESIGNED AND SUPPLIED BY BRIDGE TRUSS MANUFACTURER. COORDINATE INSTALLATION WITH CONTRACTOR.

**CURVE DATA - C28**

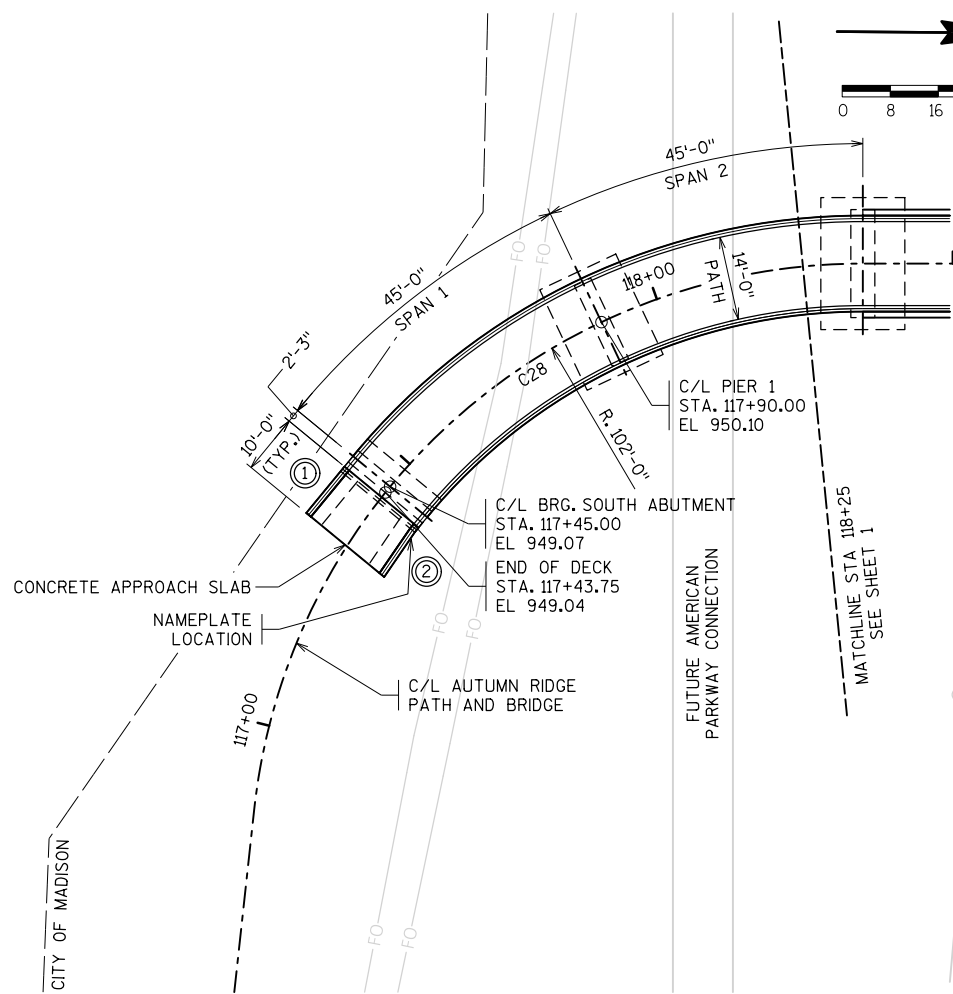
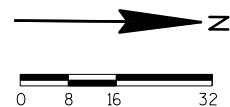
PI STA	=	117+77.32
Y	=	494,202.9778
X	=	841,967.1182
Δ	=	83°46'33"
D	=	56°10'20"
T	=	91.48'
L	=	149.14'
R	=	102.00'
PC STA	=	116+85.84
PT STA	=	118+34.98

**BENCHMARK (DATUM = NAVD 88)**

NO	STATION	DESCRIPTION	ELEV
2400	120+21.05 20.15' RT	TOP R/R SPK IN GUY POLE	930.175
2506	116+44.20 30.18' RT	SPIKE IN POWER POLE	944.079

NO.	DATE	REVISION	BY
<p>SHORT ELLIOTT HENDRICKSON INC.</p> <p>STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION</p>			
<p>ACCEPTED _____</p> <p>CHIEF STRUCTURES DESIGN ENGINEER DATE</p>			
<p><b>STRUCTURE B-13-898</b></p>			
<p><b>AUTUMN RIDGE PEDESTRIAN BRIDGE OVER STH 30</b></p>			
COUNTY	DANE	CITY	MADISON
DESIGN SPEC.	AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS		
DESIGNED BY	NCK	DESIGN CK'D.	---
DRAWN BY	NCM/RAD	PLANS CK'D.	NCK
GENERAL PLAN			SHEET 1 OF 8

⊙ INDICATES WING NUMBER.



**FOUNDATION DATA**

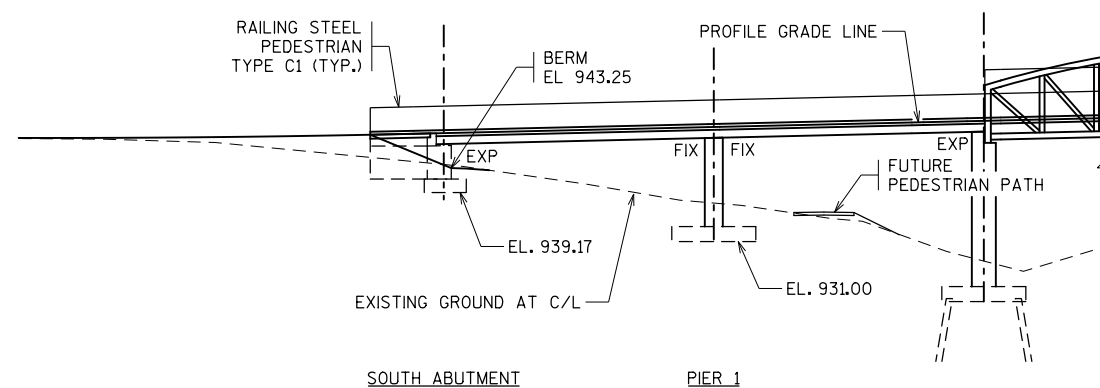
NORTH ABUTMENT AND PIERS 2 - 14 TO BE SUPPORTED ON HP 10x42 STEEL PILING WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS\* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION. ESTIMATED 35 FEET LONG AT NORTH ABUTMENT AND PIERS.

\*THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES FORMULA TO DETERMINE DRIVEN PILE CAPACITY.

SOUTH ABUTMENT AND PIER 1 WITH SPREAD FOOTINGS TO BE SUPPORTED ON SOUND ROCK WITH A REQUIRED FACTORED BEARING RESISTANCE OF 6.0 KSF. A GEOTECHNICAL ENGINEER WITH THREE DAYS NOTICE WILL DETERMINE THE FACTORED BEARING RESISTANCE BY VISUAL INSPECTION PRIOR TO CONSTRUCTION OF THE FOOTINGS.

**GENERAL PLAN - SOUTH APPROACH**

(THREE-SPAN PREFABRICATED STEEL BOWSTRING TRUSS)  
(TWELVE-SPAN CONCRETE SLAB)



**ELEVATION**

970  
960  
950  
940  
930  
920  
910  
900

**CURVE DATA - C28**

PI STA =117+77.32  
Y =494,202.9778  
X =841,967.1182  
Δ =83°46'33"  
D =56°10'20"  
T =91.48'  
L =149.14'  
R =102.00'  
PC STA =116+85.84  
PT STA =118+34.98

**BENCHMARK (DATUM = NAVD 88)**

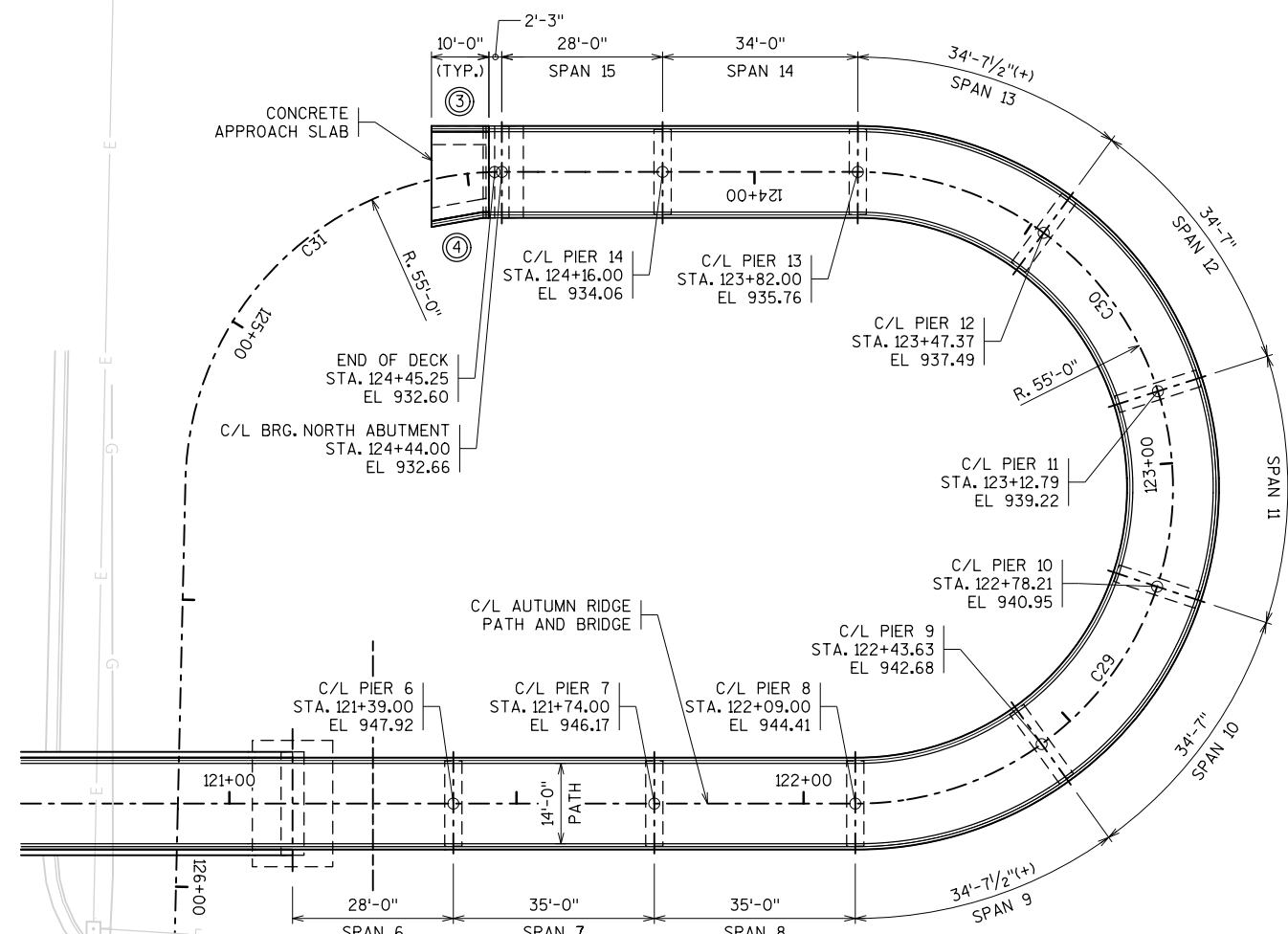
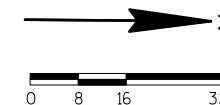
NO	STATION	DESCRIPTION	ELEV
2400	120+21.05 20.15' RT	TOP R/R SPK IN GUY POLE	930.175
2506	116+44.20 30.18' RT	SPIKE IN POWER POLE	944.079

**NOTES:**

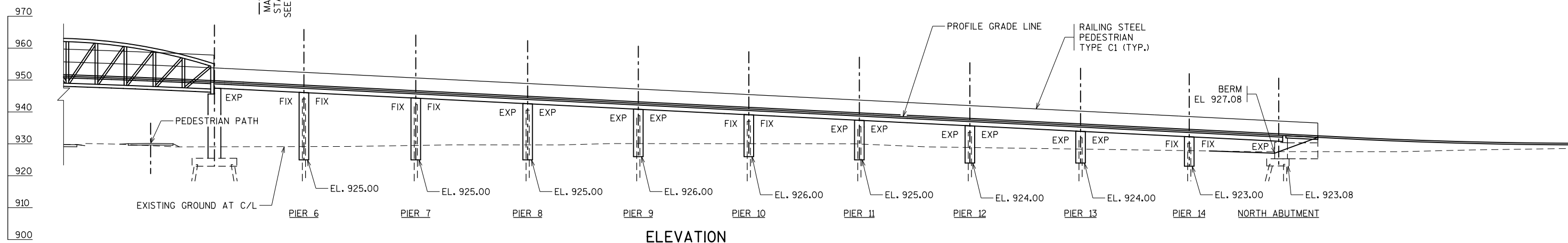
SPAN DIMENSIONS ARE ALONG C/L OF TRAIL

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION <b>STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE B-13-898</b>			
DRAWN BY NCM/RAD		PLANS CK'D. NCK	
GENERAL PLAN			SHEET 2 OF 8

⊙ INDICATES WING NUMBER.



**GENERAL PLAN - NORTH APPROACH**  
(THREE-SPAN PREFABRICATED STEEL BOWSTRING TRUSS)  
(TWELVE-SPAN CONCRETE SLAB)



**ELEVATION**

**CURVE DATA - C29**

PI STA	=122+64.33
Y	=494,723.793
X	=841,962.870
Δ	=90°00'00"
D	=104°10'27"
T	=55.00'
L	=86.39'
R	=55.00'
PC STA	=122+09.33
PT STA	=122+95.72

**CURVE DATA - C30**

PI STA	=123+50.72
Y	=494,722.896
X	=841,852.874
Δ	=90°00'00"
D	=104°10'27"
T	=55.00'
L	=86.39'
R	=55.00'
PC STA	=122+95.72
PT STA	=123+82.12

**CURVE DATA - C31**

PI STA	=124+97.84
Y	=494,552.180
X	=841,854.266
Δ	=88°39'38"
D	=104°10'27"
T	=53.73'
L	=85.11'
R	=55.00'
PC STA	=124+44.11
PT STA	=125+29.22

**NOTES:**

SEE SHEET 2 FOR FOUNDATION DATA

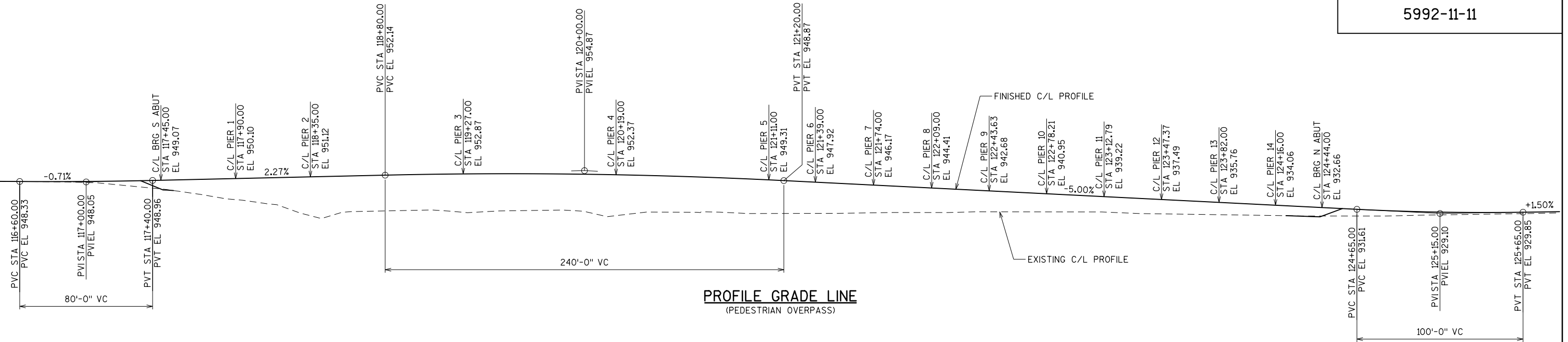
SPAN DIMENSIONS ARE ALONG C/L OF TRAIL

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION <b>STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE B-13-898</b>			
DRAWN BY NCM/RAD		PLANS CK'D. NCK	
GENERAL PLAN			SHEET 3 OF 8

PLOT TIME: 11:39:02 AM

PLOT DATE: 4/7/2023

FILE NAME : X:\KOV\MADIS\51768\5-f\find-dsgn\51-dr\drawings\20-Str\uct\B-13-898\bridge\B13898g3.dgn



**QUANTITY NOTES**

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF SLAB SURFACE, TOP OF WINGS, THE TOP AND FRONT FACE OF THE CURB, THE PAVING NOTCHES, AND THE TOP OF CONCRETE APPROACH SLABS.

FURNISH AND APPLY A PROTECTIVE SURFACE TREATMENT TO THE ENTIRE TOP OF THE BRIDGE DECK. THIS INCLUDES THE DECK ON THE SLAB SPAN AND THE DECK ON THE TRUSS SPANS.

SEE SPECIFICATIONS:  
ITEM "CONCRETE STAINING B-13-898" SHALL BE USED TO COLOR THE FOLLOWING SURFACES:

THE EDGE OF THE DECK, THE PIERS, ABUTMENTS AND WINGWALLS EXPOSED SURFACES AND PORTION OF THE ABUTMENT BACKWALL THAT IS OUTSIDE THE SLAB SPAN. COLOR SHALL BE AMS STANDARD 595A, COLOR 26622 (PEARL GRAY).

PROTECTIVE SCREENING COMPROMISED OF STAINLESS STEEL MESH PROTECTIVE SCREENING (MIN. 8 GAUGE WIRE) WITH 2" MESH OPENING, PROTECTIVE SCREENING FRAMING, AND SUPPORT CLIPS.

**GENERAL NOTES**

DRAWINGS SHALL NOT BE SCALED.

SEE ROADWAY PLANS FOR EXISTING UTILITY LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES. ALL UTILITIES TO REMAIN IN SERVICE. COORDINATE WITH UTILITY COMPANIES.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

PROVIDE A 3/4" CHAMFER ON ALL ABOVE GRADE CORNERS.

ELASTOMERIC BEARING PANS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH COMPACTED FILL AND TOPSOIL TO THE EXTENT SHOWN ON THE ABUTMENT DETAILS OF THE STRUCTURAL PLANS, AND SHOWN ON THE ROADWAY PLANS. SEE ROADWAY PLANS FOR FINISHED GRADING, MATERIALS AND QUANTITIES.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1\*2" FILLER WITH NON-STAINING GRAY NON-ASPHALTIC JOINT SEALER (1" DEEP & HOLD 1\*8" BELOW SURFACE OF CONCRETE).

AT ABUTMENTS, ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL UNLESS OTHERWISE NOTED.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M153 TYPE 1, 2, OR 3 OR AASHTO DESIGNATION M213.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATION ARE IN FEET. ELEVATIONS ARE REFERENCE TO THE NAVD 88 (2007) DATUM.

TRUSSES SHALL BE DESIGNED AS SIMPLE SPANS.

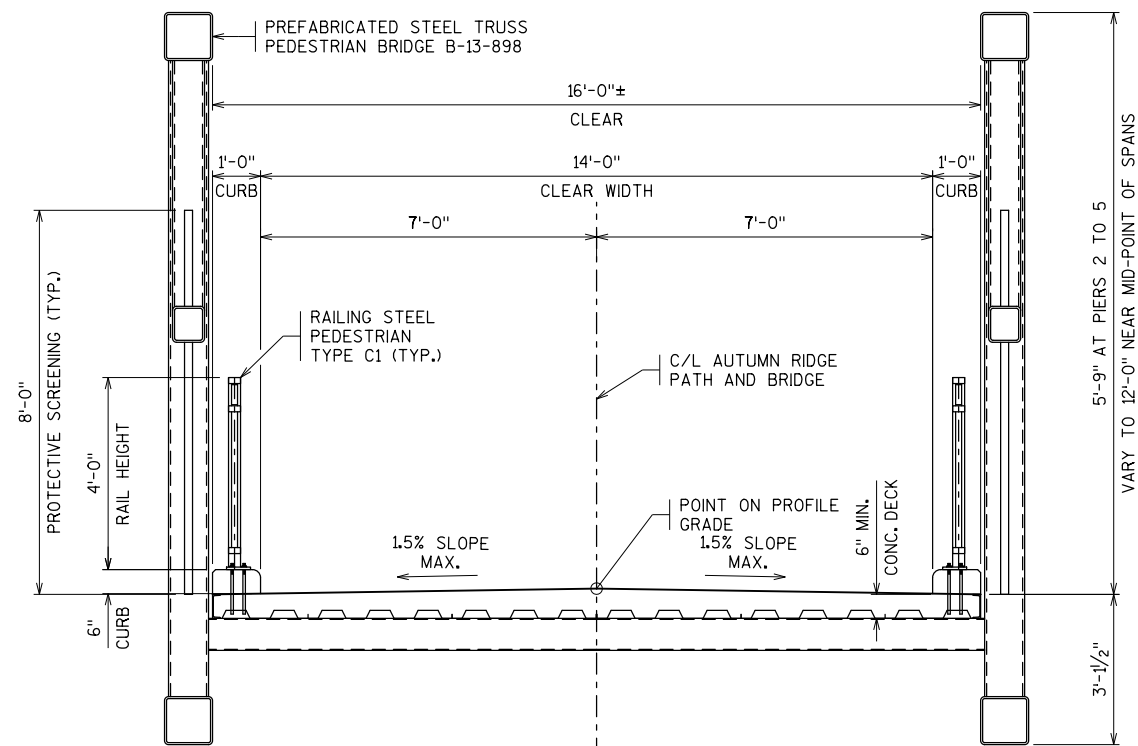
TRUSS SPANS SHALL BE CAMBERED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THE TRUSS SHALL BE ANCHORED TO THE PIERS IN A MANNER TO:  
ALLOW THERMAL MOVEMENT OF THE SUPERSTRUCTURE ALONG THE R/L.  
PREVENT HORIZONTAL TRANSLATION OF THE SUPERSTRUCTURE PERPENDICULAR TO THE R/L.

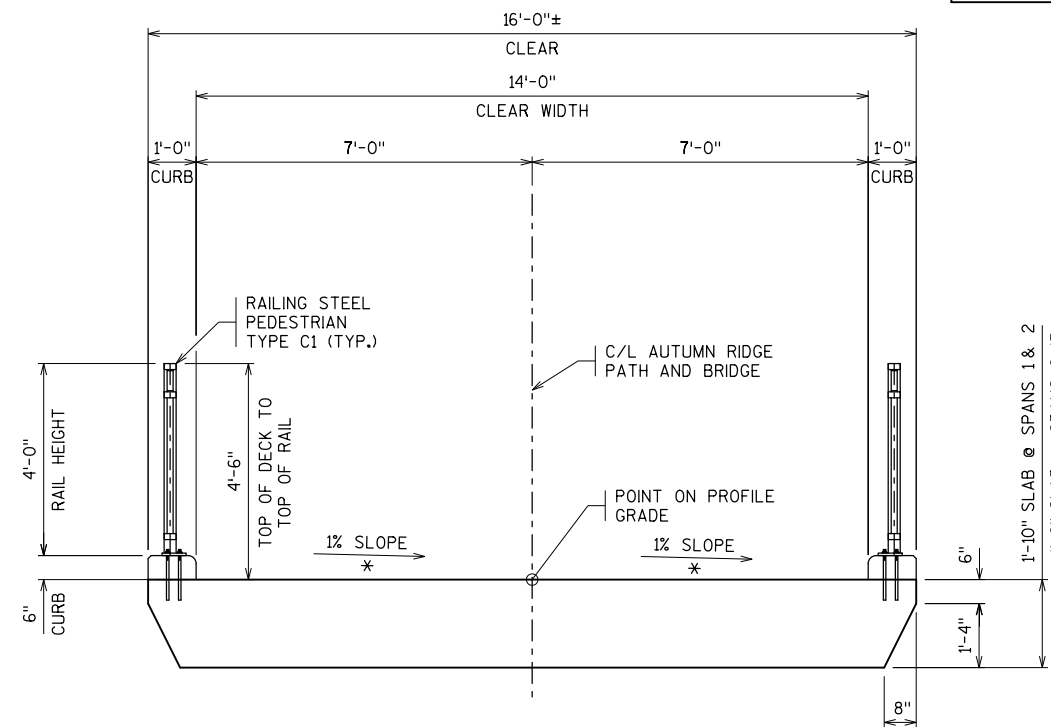
TRUSS AND CONCRETE DECK SHALL BE DESIGNED TO ACCOMMODATE A 3" STRIP SEAL JOINT AT PIERS...THE TRUSS FABRICATOR SHALL COORDINATE WITH THE JOINT MANUFACTURER TO OBTAIN NECESSARY JOINT AND ANCHORAGE DETAILS.

BID ITEM NUMBER	BID ITEMS	UNIT	SOUTH ABUT	PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	PIER 7	PIER 8	PIER 9	PIER 10	PIER 11	PIER 12	PIER 13	PIER 14	PIER 15	NORTH ABUT	SUPER	TOTALS	
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-13-898	EACH																				
210.1500	BACKFILL STRUCTURE TYPE A	TON																				
502.0100	CONCRETE MASONRY BRIDGES	CY																				
502.3101	EXPANSION DEVICE	LF																				
502.3200	PROTECTIVE SURFACE TREATMENT	SY																				
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB																				
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB																				
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH																				
506.8006.S	PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE B-13-898 LRFD	EACH																				
511.1200	TEMPORARY SHORING B-13-898	SF																				
513.8006	RAILING STEEL PEDESTRIAN TYPE C1	LF																				
514.0445	FLOOR DRAINS TYPE 'GC'	EACH																				
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY																				
517.0500	PAINTING EPOXY SYSTEM STEEL TRUSS B-13-898	EACH																				
517.1010.S.001	CONCRETE STAINING B-13-898	SF																				
517.1015.S.001	CONCRETE STAINING MULTI-COLOR B-13-898	SF																				
517.1050.S.001	ARCHITECTURAL SURFACE TREATMENT B-13-898	SF																				
550.1100	PILING STEEL HP 12-INCH X 42 LB	LF																				
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF																				
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF																				
NON-BID ITEMS																						
	FILLER	SIZE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/2" & 3/4"
	NAMEPLATE	EACH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	BENCHMARK	EACH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

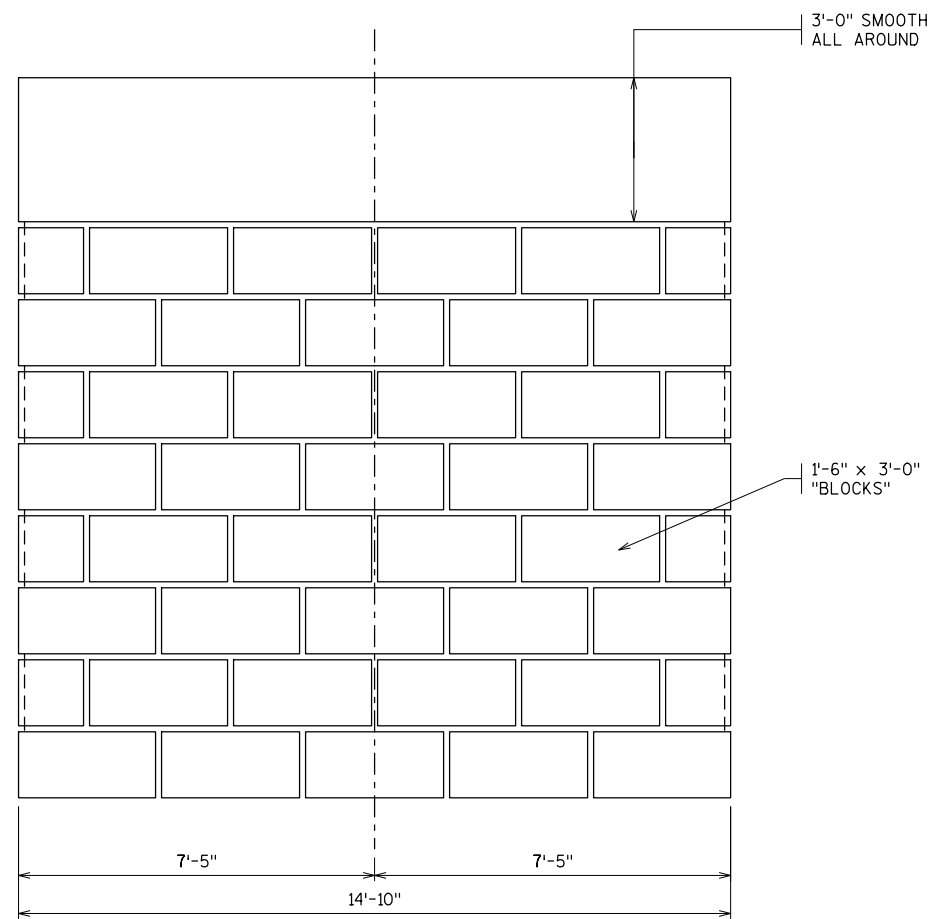
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION <b>STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE B-13-898</b>			
		DRAWN BY NCM/RAD	PLANS CK'D. NCK
<b>PROFILE GRADE, QUANTITIES &amp; NOTES</b>			SHEET 4 OF 8



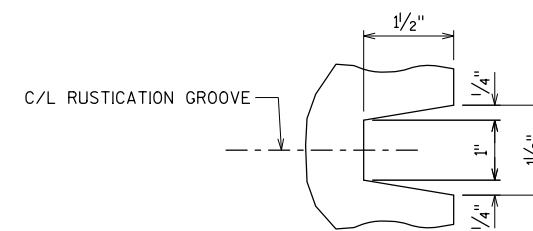
**MAIN SPANS - BOWSTRING TRUSS**  
SPANS 3, 4, & 5  
(LOOKING UPSTATION)



**TYPICAL SECTION THRU STRUCTURE**  
NORTH & SOUTH APPROACH SPANS  
(LOOKING UPSTATION)  
\* SLOPE OPPOSITE ON NORTH APPROACH



**TYPICAL ELEVATION**  
(PIERS)



**RUSTICATION GROOVE**

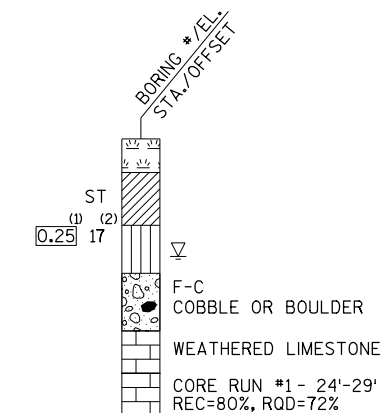
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION <b>STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE B-13-898</b>			
DRAWN BY NCM/RAD		PLANS CK'D. NCK	
TYPICAL SECTION AND ELEVATIONS			SHEET 5 OF 8



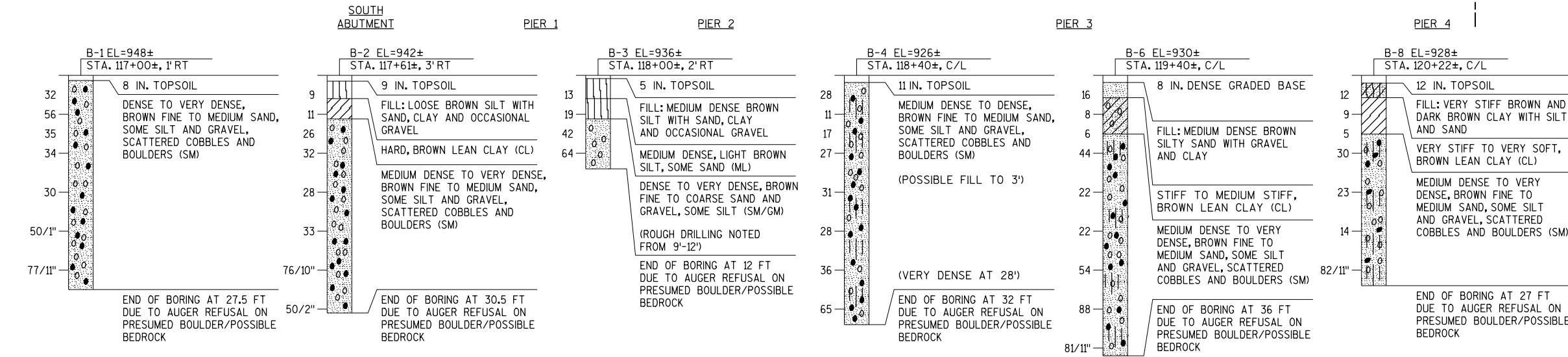
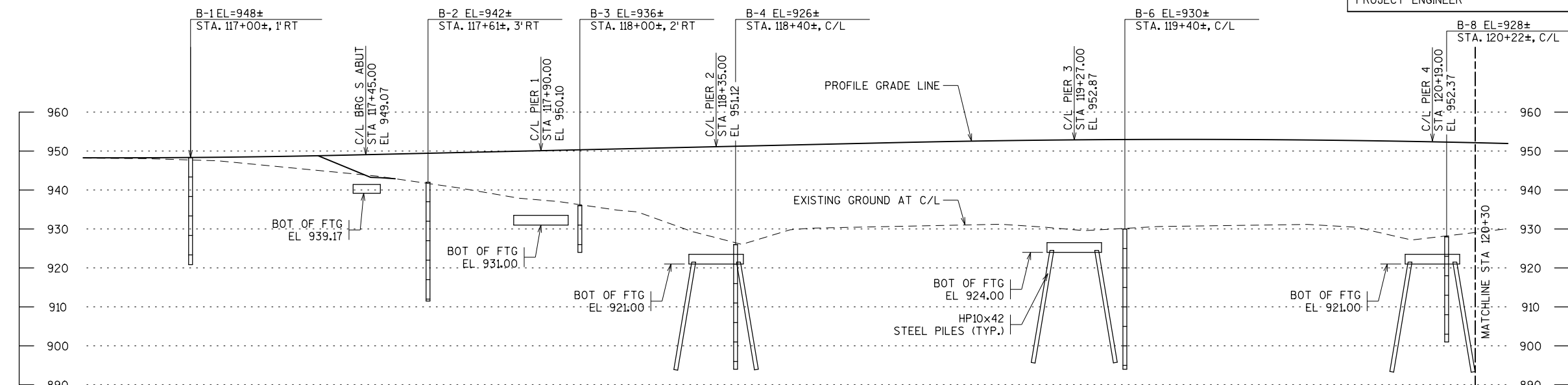
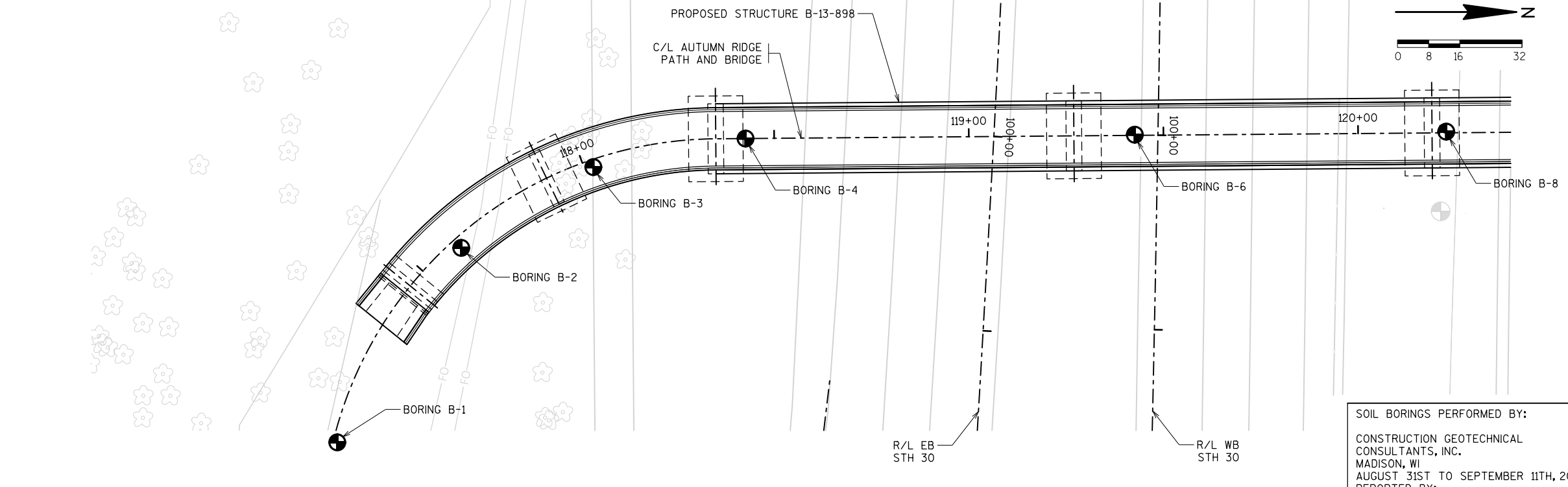
MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

LEGEND OF BORING



SOIL BORINGS PERFORMED BY:  
 CONSTRUCTION GEOTECHNICAL CONSULTANTS, INC.  
 MADISON, WI  
 AUGUST 31ST TO SEPTEMBER 11TH, 2020  
 REPORTED BY:  
 ALEX J. BINA, PE  
 PROJECT ENGINEER



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)  
 (2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION  
 ▽ AT TIME OF DRILLING  
 ▽ END OF DRILLING  
 ▽ AFTER DRILLING

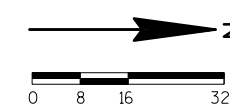
ABBREVIATIONS  
 F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
<b>STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE B-13-898</b>			
DRAWN BY NCM/RAD		PLANS CK'D. NCK	
<b>SUBSURFACE EXPLORATION</b>			SHEET 6 OF 8

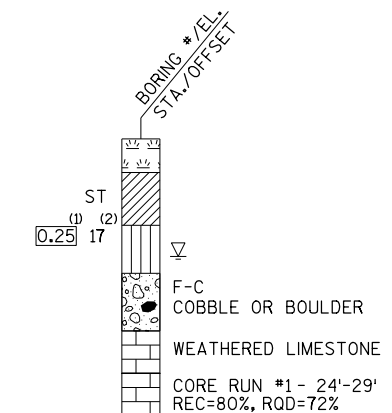




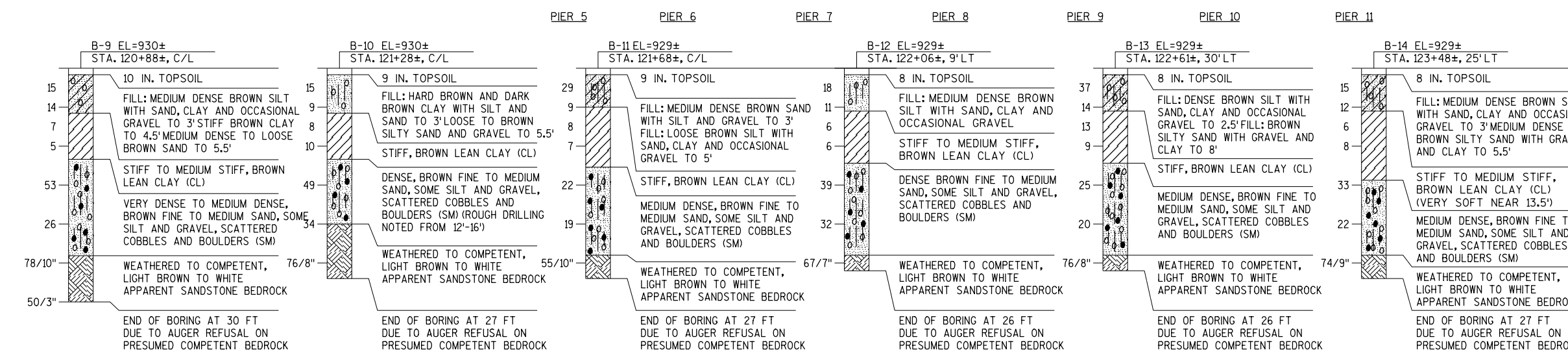
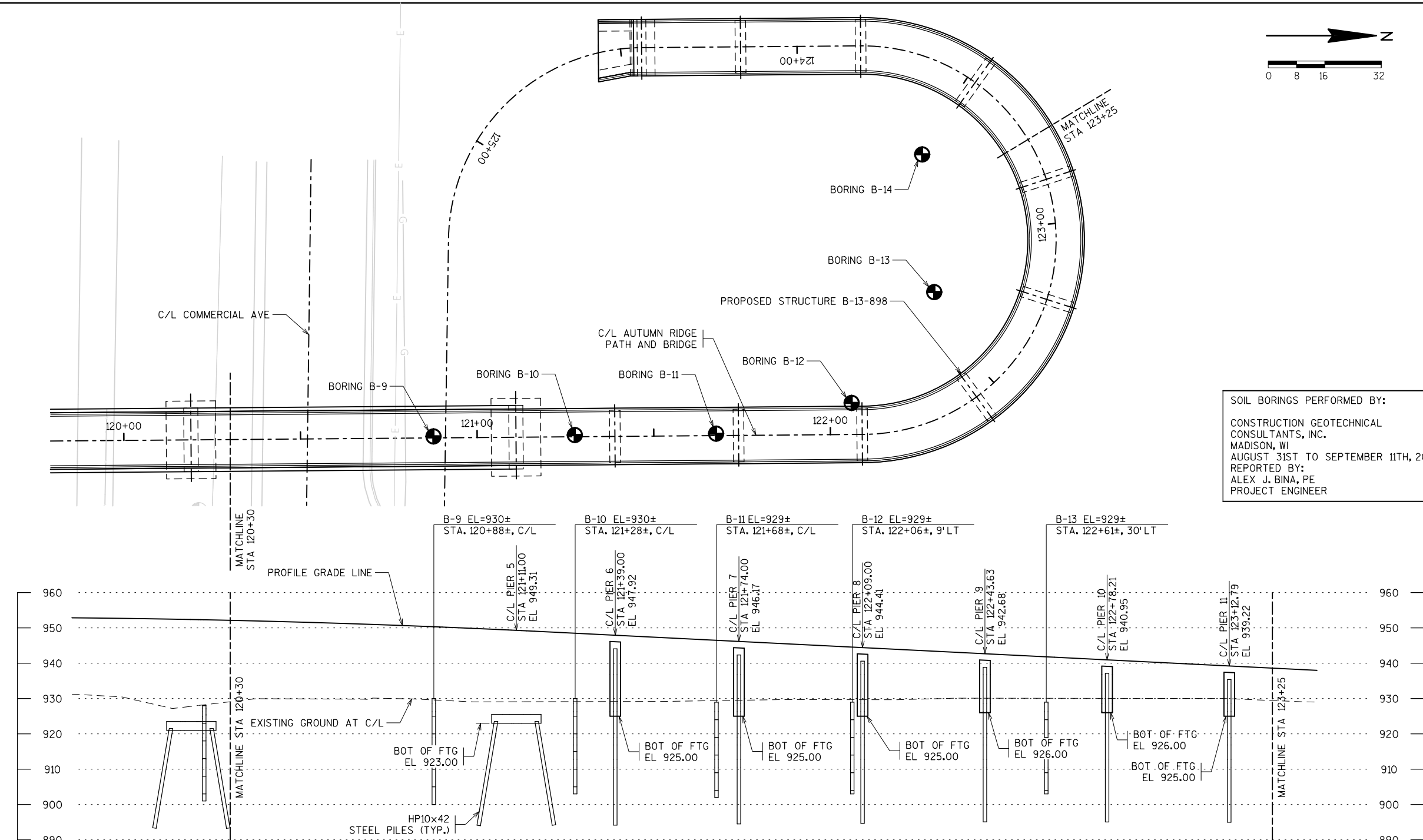
MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

LEGEND OF BORING



SOIL BORINGS PERFORMED BY:  
 CONSTRUCTION GEOTECHNICAL CONSULTANTS, INC.  
 MADISON, WI  
 AUGUST 31ST TO SEPTEMBER 11TH, 2020  
 REPORTED BY:  
 ALEX J. BINA, PE  
 PROJECT ENGINEER



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 (2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION  
 ▽ AT TIME OF DRILLING  
 ▼ END OF DRILLING  
 ▽ AFTER DRILLING

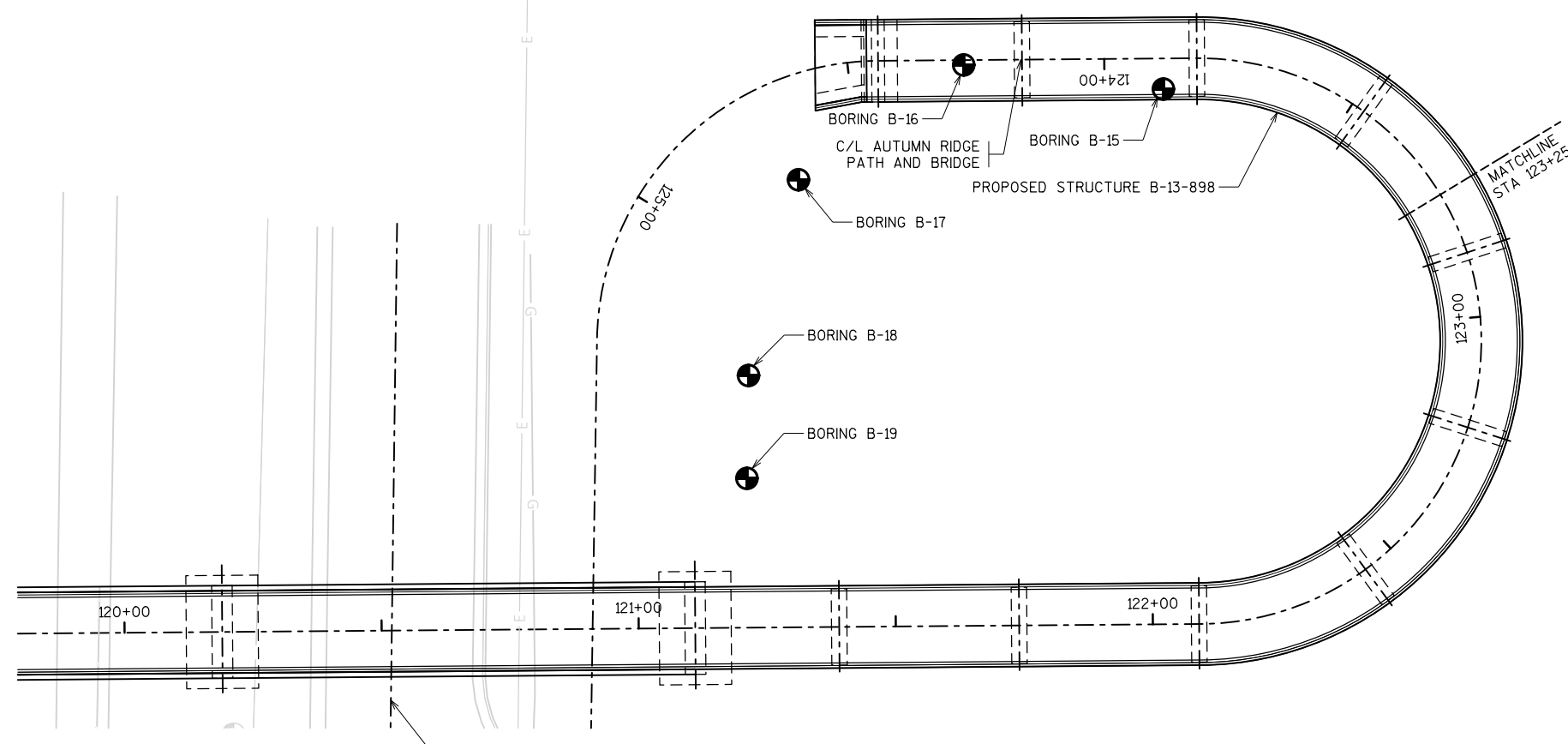
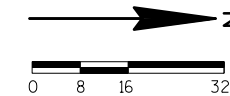
ABBREVIATIONS  
 F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
<b>STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE B-13-898</b>			
DRAWN BY NCM/RAD		PLANS CK'D. NCK	
<b>SUBSURFACE EXPLORATION</b>			SHEET 7 OF 8

PLOT TIME: 11:39:04 AM  
 PLOT DATE: 4/7/2023  
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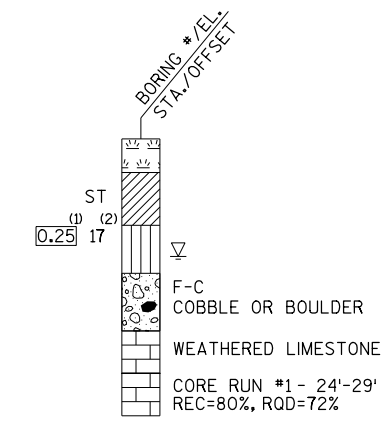


SOIL BORINGS PERFORMED BY:  
CONSTRUCTION GEOTECHNICAL  
CONSULTANTS, INC.  
MADISON, WI  
AUGUST 31ST TO SEPTEMBER 11TH, 2020  
REPORTED BY:  
ALEX J. BINA, PE  
PROJECT ENGINEER

**MATERIAL SYMBOLS**

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

**LEGEND OF BORING**



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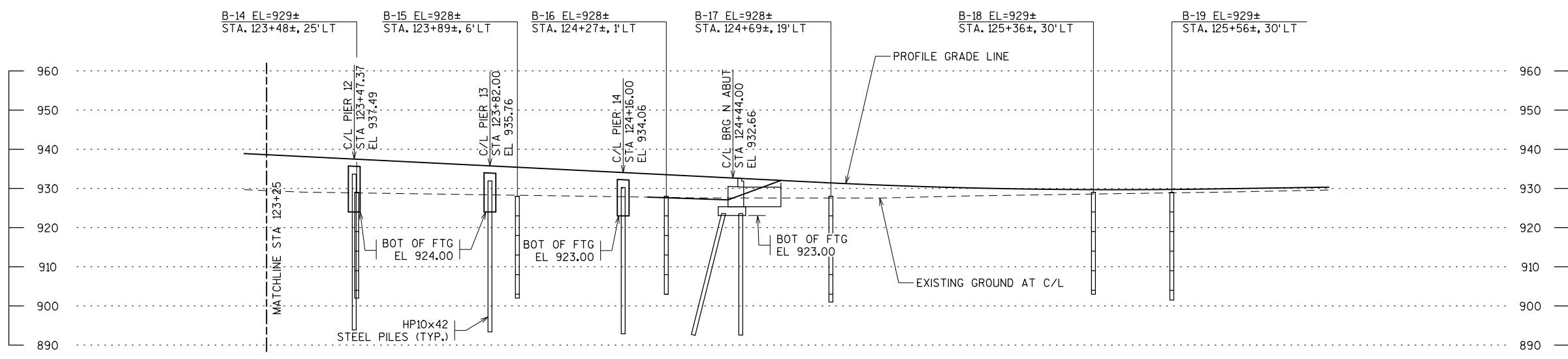
**GROUND WATER ELEVATION**

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

**ABBREVIATIONS**

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

**SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION**  
BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.



Boring ID	Station	Length	Soil Profile Description
B-15	EL=928±, STA. 123+89±, 6' LT	6' LT	6 IN. TOPSOIL FILL: MEDIUM DENSE BROWN SILT WITH SAND, CLAY AND OCCASIONAL GRAVEL TO 3' STIFF SILTY CLAY TO 5' STIFF TO MEDIUM STIFF, BROWN LEAN CLAY, TRACE SAND (CL) MEDIUM DENSE, BROWN FINE TO MEDIUM SAND, SOME SILT AND GRAVEL, SCATTERED COBBLES AND BOULDERS (SM) WEATHERED TO COMPETENT, LIGHT BROWN TO WHITE APPARENT SANDSTONE BEDROCK END OF BORING AT 26 FT DUE TO AUGER REFUSAL ON PRESUMED COMPETENT BEDROCK
B-16	EL=928±, STA. 124+27±, 1' LT	1' LT	6 IN. TOPSOIL FILL: MEDIUM DENSE BROWN SILT WITH SAND, CLAY AND OCCASIONAL GRAVEL TO 3' LOOSE DARK BROWN SILT TO 5' STIFF TO MEDIUM STIFF, BROWN LEAN CLAY, TRACE SAND (CL) DENSE, BROWN SILT, TRACE TO LITTLE CLAY (ML) MEDIUM DENSE, BROWN FINE TO MEDIUM SAND, SOME SILT AND GRAVEL, SCATTERED COBBLES AND BOULDERS (SM) WEATHERED TO COMPETENT, LIGHT BROWN TO WHITE APPARENT SANDSTONE BEDROCK END OF BORING AT 25 FT DUE TO AUGER REFUSAL ON PRESUMED COMPETENT BEDROCK
B-17	EL=928±, STA. 124+69±, 19' LT	19' LT	6 IN. TOPSOIL FILL: MIX OF MEDIUM DENSE BROWN SILT WITH SAND, CLAY AND OCCASIONAL GRAVEL AND BROWN SILTY SAND WITH GRAVEL TO 3' VERY STIFF DARK BROWN SILTY CLAY TO 5.5' STIFF BROWN LEAN CLAY (CL) MEDIUM DENSE, BROWN SANDY SILT (ML) DENSE, BROWN FINE TO MEDIUM SAND, SOME SILT AND GRAVEL, SCATTERED COBBLES AND BOULDERS (SM) WEATHERED TO COMPETENT, LIGHT BROWN TO WHITE APPARENT SANDSTONE BEDROCK END OF BORING AT 27 FT DUE TO AUGER REFUSAL ON PRESUMED COMPETENT BEDROCK
B-18	EL=929±, STA. 125+36±, 30' LT	30' LT	7 IN. TOPSOIL FILL: DENSE BROWN SILTY SAND WITH GRAVEL AND CLAY TO 3' FILL: VERY STIFF BROWN AND DARK BROWN CLAY WITH SILT AND SAND TO 5' STIFF BROWN LEAN CLAY (CL) DENSE, LAMINATED SILT AND SILTY FINE SAND (ML/SM) MEDIUM DENSE, BROWN FINE TO MEDIUM SAND, SOME SILT AND GRAVEL, SCATTERED COBBLES AND BOULDERS (SM) WEATHERED TO COMPETENT, LIGHT BROWN TO WHITE APPARENT SANDSTONE BEDROCK END OF BORING AT 26 FT DUE TO AUGER REFUSAL ON PRESUMED COMPETENT BEDROCK
B-19	EL=929±, STA. 125+56±, 30' LT	30' LT	7 IN. TOPSOIL FILL: MEDIUM DENSE BROWN SILT WITH SAND AND CLAY TO 3' FILL: LOOSE DARK BROWN SILT WITH SAND, CLAY AND OCCASIONAL GRAVEL TO 5.5' VERY STIFF TO SOFT, BROWN LEAN CLAY (CL) VERY DENSE, GRAYISH BROWN SILTY SAND (SM) MEDIUM DENSE, BROWN FINE TO MEDIUM SAND, SOME SILT AND GRAVEL, SCATTERED COBBLES AND BOULDERS (SM) WEATHERED TO COMPETENT, LIGHT BROWN TO WHITE APPARENT SANDSTONE BEDROCK END OF BORING AT 27.5 FT DUE TO AUGER REFUSAL ON PRESUMED COMPETENT BEDROCK

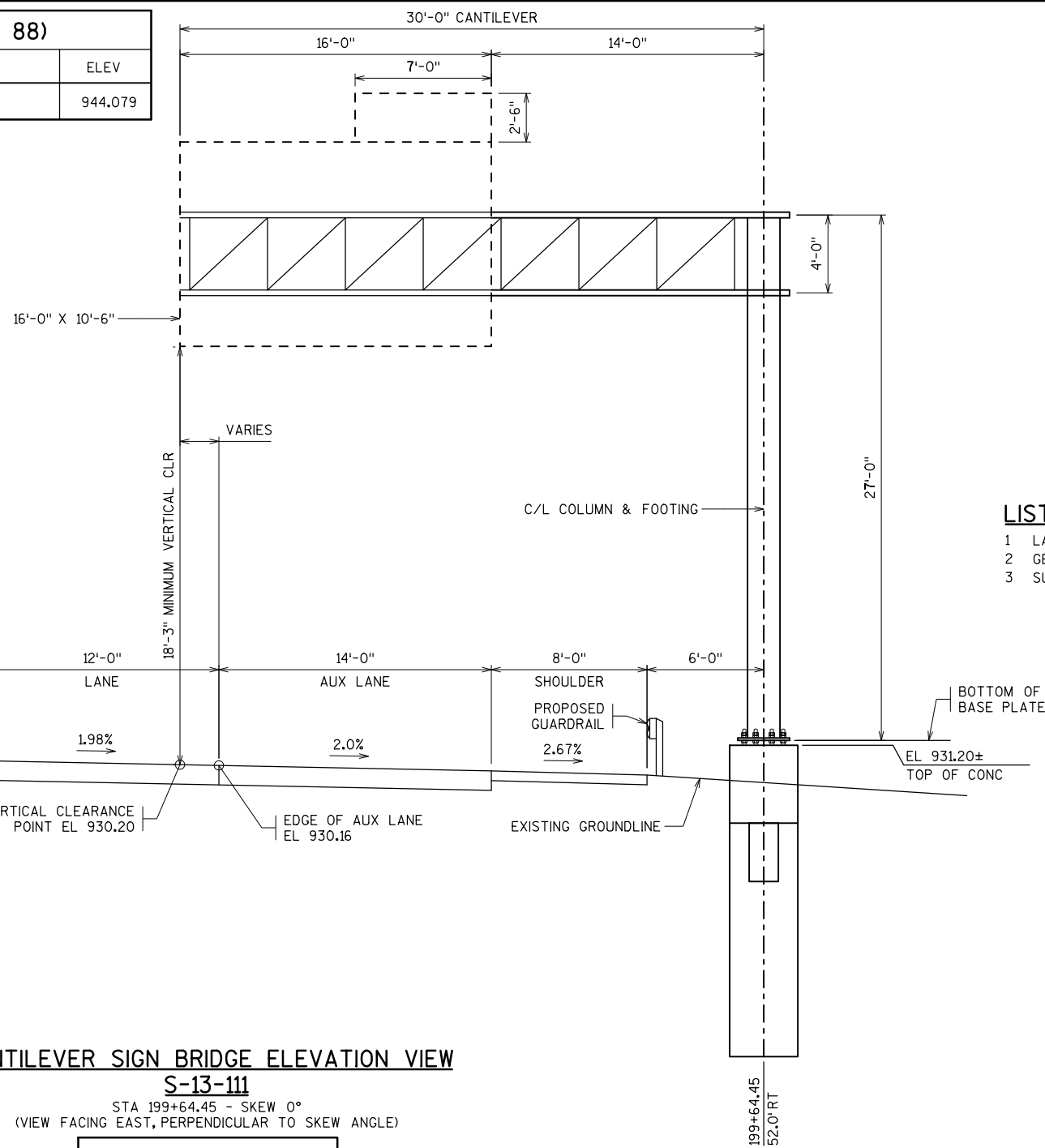
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8

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION <b>STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE B-13-898</b>			
DRAWN BY: NCM/RAD		PLANS CK'D: NCK	
<b>SUBSURFACE EXPLORATION</b>			SHEET 8 OF 8

**BENCHMARK (DATUM = NAVD 88)**

NO	STATION	DESCRIPTION	ELEV
2506		SPIKE IN POWER POLE	944.079



**CANTILEVER SIGN BRIDGE ELEVATION VIEW**

**S-13-111**  
 STA 199+64.45 - SKEW 0°  
 (VIEW FACING EAST, PERPENDICULAR TO SKEW ANGLE)

LOOKING AT FRONT FACE OF SIGN

**LIST OF DRAWINGS**

- LAYOUT S-13-111
- GENERAL NOTES AND QUANTITIES
- SUBSURFACE EXPLORATION

**DESIGN DATA**

RELOCATE EXISTING SIGNS STRUCTURE.  
 EXISTING SIGN STRUCTURE WAS DESIGNED TO 1992 AASHTO STANDARD SPECIFICATIONS.

SIGN STRUCTURE DESIGN SIGN AREA (SQ FT) DESIGN MAX MAIN SIGN HT.  
 S-13-111 ..... 190 .....

**FOUNDATION DATA**

SEE SHEET

**MATERIAL PROPERTIES**

CONCRETE AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH WISDOT "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" SECTION 636.

CONCRETE MASONRY =  $F'_c = 3,500$  PSI

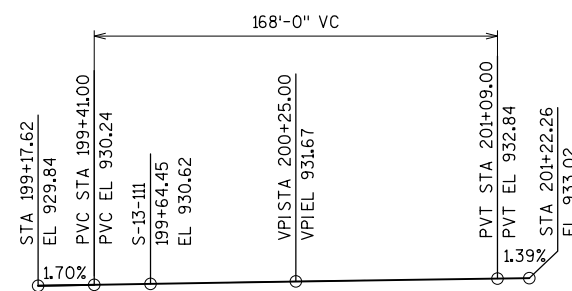
HIGH STRENGTH BAR STEEL REINFORCEMENT:  
 GRADE 60, EPOXY COATED =  $F_y = 60,000$  PSI

ANCHOR BOLTS:  
 ASTM F1554 GRADE 55 =  $F_y = 55,000$  PS  
 ASTM A563A HEAVY HEX NUTS, ASTM F436 WASHERS

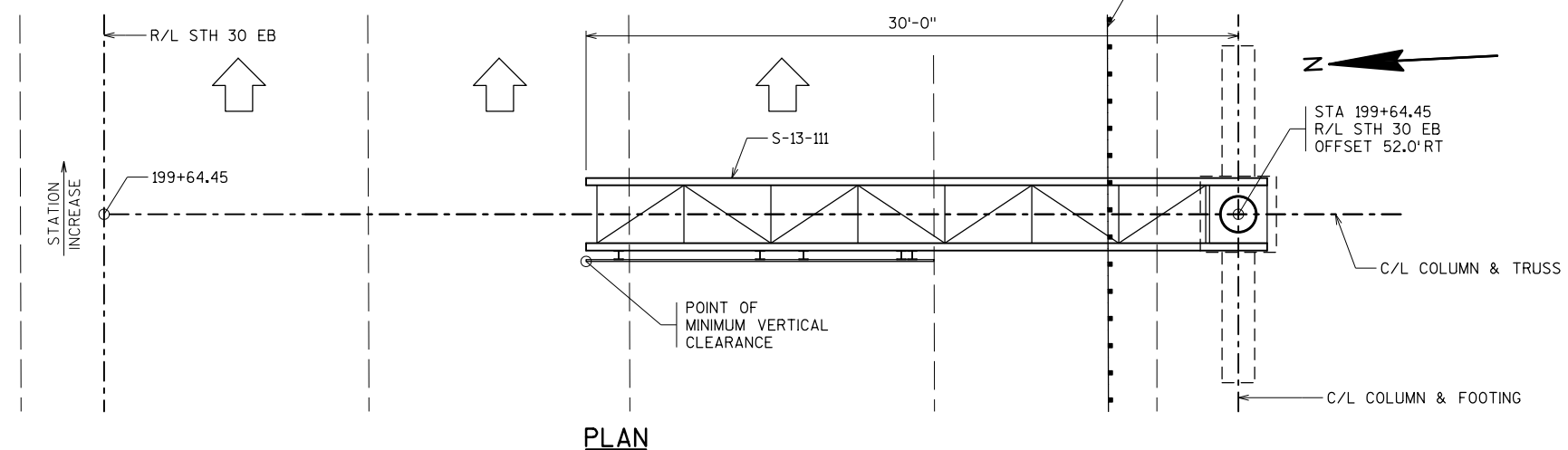
**NOTE**

POINT OF MINIMUM VERTICAL CLEARANCE  
 STA 199+64.45 OFFSET 22.0' RT  
 EL 930.20

EXISTING SIGN SUPPORT LOCATION STA 200+75±  
 PROPOSED SIGN SUPPORT LOCATION STA 199+64.45 OFFSET 52.0' RT



**PROFILE GRADE LINE**



**PLAN**

NO.	DATE	REVISION	BY

**SHORT ELLIOTT HENDRICKSON INC.**  
 STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION

ACCEPTED \_\_\_\_\_ CHIEF STRUCTURES DESIGN ENGINEER DATE \_\_\_\_\_

**STRUCTURE S-13-111**  
**STH 30 EB SIGN BRIDGE**

COUNTY DANE TOWN/CITY/VILLAGE MADISON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY NCK DESIGN CK'D. --- DRAWN BY RAD PLANS CK'D. NCK

**SHEET TITLE**

SHEET 1 OF 3

**TOTAL ESTIMATED QUANTITIES - S-13-111**

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
531.1100	CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS	CY	
531.1140	STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS	LB	
638.4100	MOVING STRUCTURAL STEEL SIGN SUPPORTS	EACH	1

**GENERAL NOTES**

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

THE CANTILEVER SIGN BRIDGE SHALL SUPPORT THE SIGNS SHOWN.

CENTER SIGNS VERTICALLY ON TRUSS.

BAR STEEL SHALL BE 3" CLEAR UNLESS OTHERWISE NOTED.

BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE NOTED.

CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES.

CONTRACTOR SHALL CONFIRM SIGN SUPPORT LOCATIONS PRIOR TO EXCAVATING.

THESE PLANS SHALL BE USED IN CONJUNCTION WITH THE ROADWAY PLANS AND CANTILEVER SIGN BRIDGE SHOP DRAWINGS.

ELEVATIONS ARE IN FEET UNLESS OTHERWISE SHOWN OR NOTED. ELEVATIONS ON THIS PLAN ARE REFERENCED TO NAVD88 DATUM.

EXCAVATION, STEEL MEMBERS, BACKFILLING, AND FABRICATION SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "MOVING STRUCTURAL STEEL SIGN SUPPORTS"

THE UPPER 1'-6" OF ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE AASHTO SPECIFICATION AS STATED IN SECTION 641 OF THE WISDOT STANDARD SPECIFICATION.

PLOT TIME: 3:49:21PM

PLOT DATE: 2/15/2023

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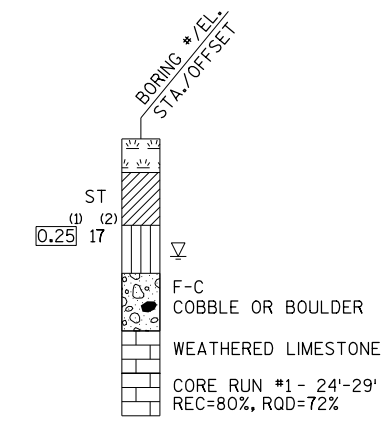
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NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION <b>STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE S-13-111</b>			
DRAWN BY		RAD	PLANS CK'D. NCK
<b>CROSS SECTION, NOTES AND QUANTITIES</b>			SHEET 2 OF 3

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

LEGEND OF BORING



SOIL BORINGS PERFORMED BY:  
 CONSTRUCTION GEOTECHNICAL CONSULTANTS, INC.  
 MADISON, WI  
 AUGUST 31ST TO SEPTEMBER 11TH, 2020  
 REPORTED BY:  
 ALEX J. BINA, PE  
 PROJECT ENGINEER

(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)  
 (2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

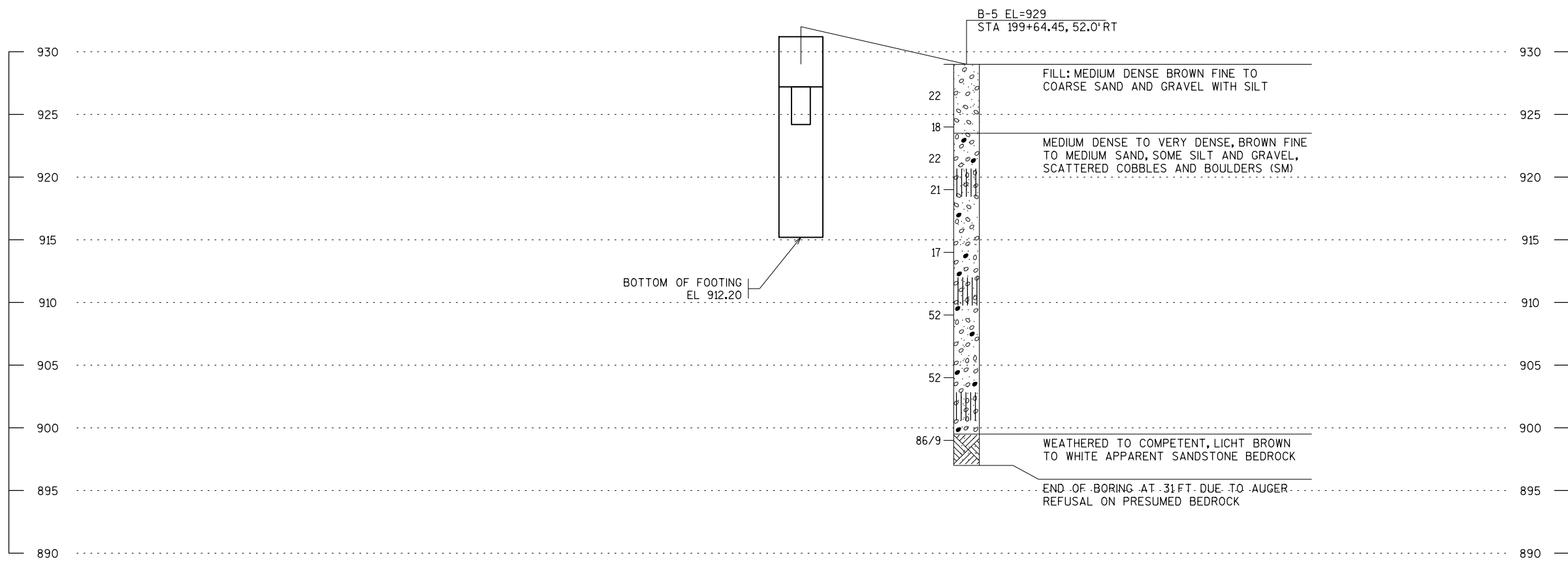
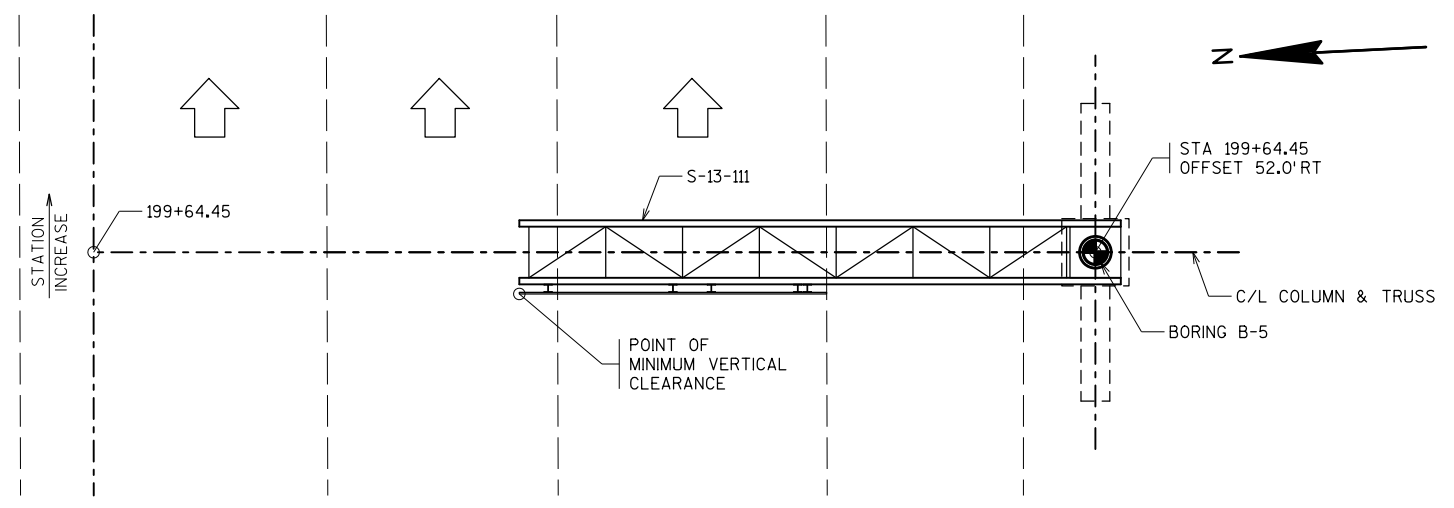
GROUND WATER ELEVATION  
 ▽ AT TIME OF DRILLING  
 ▽ END OF DRILLING  
 ▽ AFTER DRILLING

ABBREVIATIONS  
 F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURES DESIGN SECTION			
STRUCTURE S-13-111			
DRAWN BY		RAD	PLANS CK'D. NCK
SUBSURFACE EXPLORATION			SHEET 3 OF 3



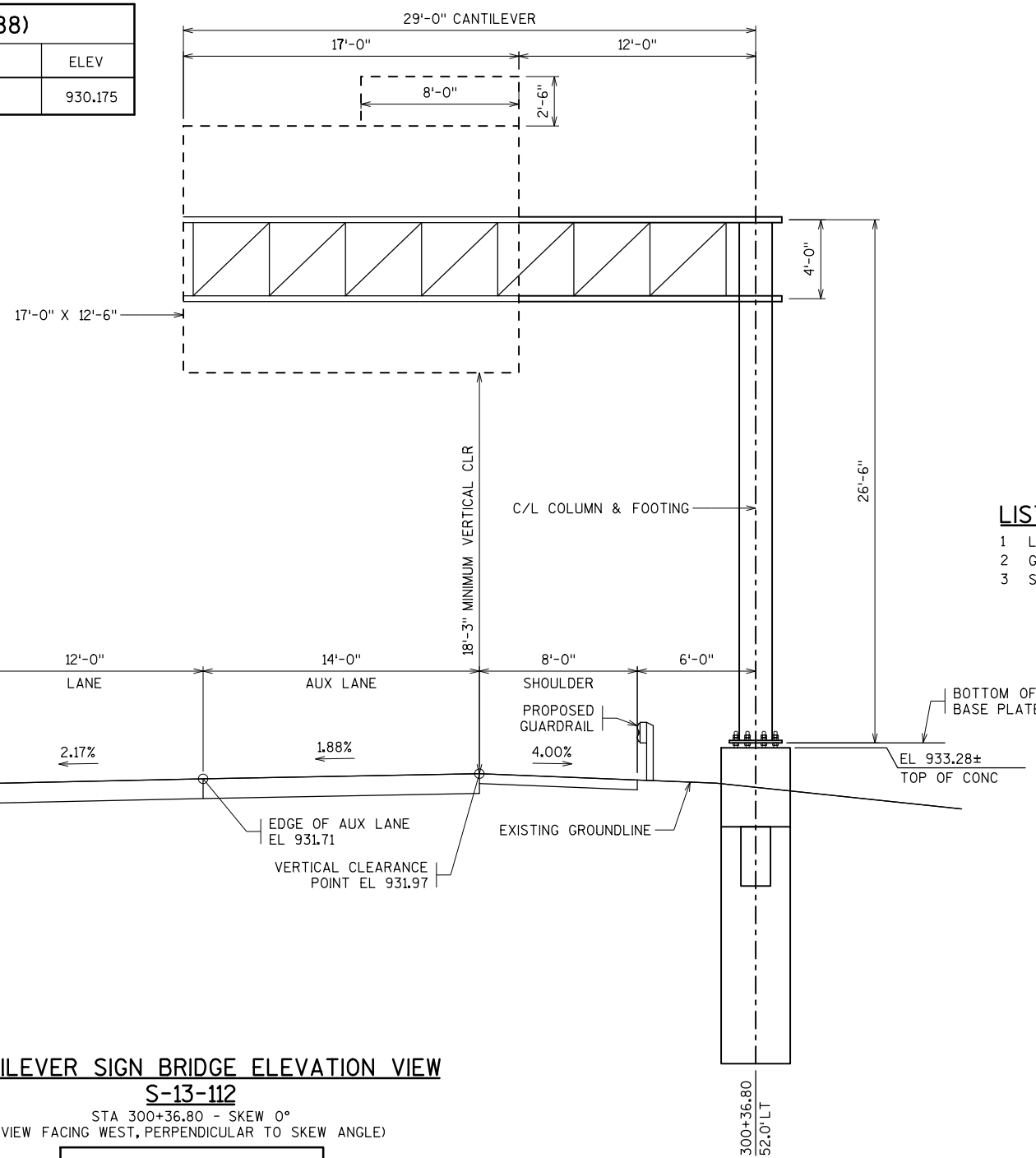
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 PLOT DATE: 2/15/2023  
 PLOT TIME: 3:49:21PM

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**BENCHMARK (DATUM = NAVD 88)**

NO	STATION	DESCRIPTION	ELEV
2400		TOP R/R SPK IN GUY POLE	930.175



**CANTILEVER SIGN BRIDGE ELEVATION VIEW**

**S-13-112**

STA 300+36.80 - SKEW 0°  
(VIEW FACING WEST, PERPENDICULAR TO SKEW ANGLE)

LOOKING AT FRONT FACE OF SIGN

**LIST OF DRAWINGS**

- 1 LAYOUT S-13-112
- 2 GENERAL NOTES AND QUANTITIES
- 3 SUBSURFACE EXPLORATION

**DESIGN DATA**

RELOCATE EXISTING SIGNS STRUCTURE.

EXISTING SIGN STRUCTURE WAS DESIGNED TO 1992 AASHTO STANDARD SPECIFICATIONS.

SIGN STRUCTURE DESIGN SIGN AREA (SQ FT) DESIGN MAX MAIN SIGN HT.  
S-13-112 ..... 212.5 .....

**FOUNDATION DATA**

SEE SHEET

**MATERIAL PROPERTIES**

CONCRETE AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH WISDOT "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" SECTION 636.

CONCRETE MASONRY =  $f'_c = 3,500$  PSI

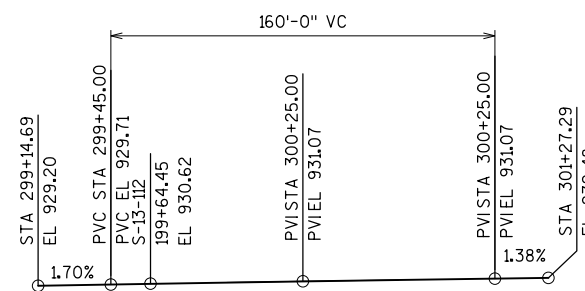
HIGH STRENGTH BAR STEEL REINFORCEMENT:  
GRADE 60, EPOXY COATED =  $F_y = 60,000$  PSI

ANCHOR BOLTS:  
ASTM F1554 GRADE 55 =  $F_y = 55,000$  PS  
ASTM A563A HEAVY HEX NUTS, ASTM F436 WASHERS

**NOTE**

POINT OF MINIMUM VERTICAL CLEARANCE  
STA 300+36.80 OFFSET 38.6' LT  
EL 931.97

EXISTING SIGN SUPPORT LOCATION STA 300+04±  
PROPOSED SIGN SUPPORT LOCATION STA 300+36.80



**PROFILE GRADE LINE**

NO.	DATE	REVISION	BY



SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

ACCEPTED \_\_\_\_\_ DATE \_\_\_\_\_  
CHIEF STRUCTURES DESIGN ENGINEER

**STRUCTURE S-13-112**

**STH 30 WB SIGN BRIDGE**

COUNTY DANE TOWN/CITY/VILLAGE MADISON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY NCK DESIGN CK'D. --- DRAWN BY RAD PLANS CK'D. NCK

SHEET TITLE

SHEET 1 OF 3

SEH CONTACT: CHRIS BLUM, PE, 608.620.6192

PLOT TIME: 3:49:43 PM

PLOT DATE: 2/15/2023

FILE NAME : X:\KOV\MADIS\51768\5-fund-dsgn\51-drawings\20-struct\5-13-112\sign\el313gl.dgn

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## TOTAL ESTIMATED QUANTITIES - S-13-112

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
531.1100	CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS	CY	
531.1140	STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS	LB	
638.4100	MOVING STRUCTURAL STEEL SIGN SUPPORTS	EACH	1

## GENERAL NOTES

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PLOT TIME: 3:49:43 PM

PLOT DATE: 2/15/2023

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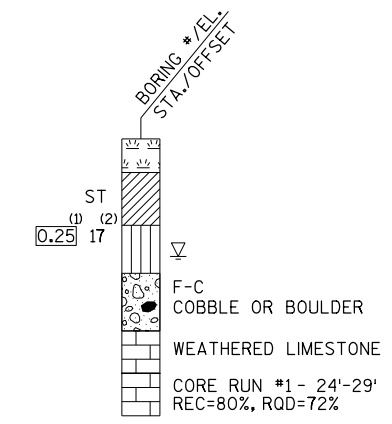
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NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE S-13-112			
DRAWN BY		RAD	PLANS CK'D. NCK
CROSS SECTION, NOTES AND QUANTITIES			SHEET 2 OF 3

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

LEGEND OF BORING



SOIL BORINGS PERFORMED BY:  
 CONSTRUCTION GEOTECHNICAL CONSULTANTS, INC.  
 MADISON, WI  
 AUGUST 31ST TO SEPTEMBER 11TH, 2020  
 REPORTED BY:  
 ALEX J. BINA, PE  
 PROJECT ENGINEER

- (1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)
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GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▽ END OF DRILLING
- ▽ AFTER DRILLING

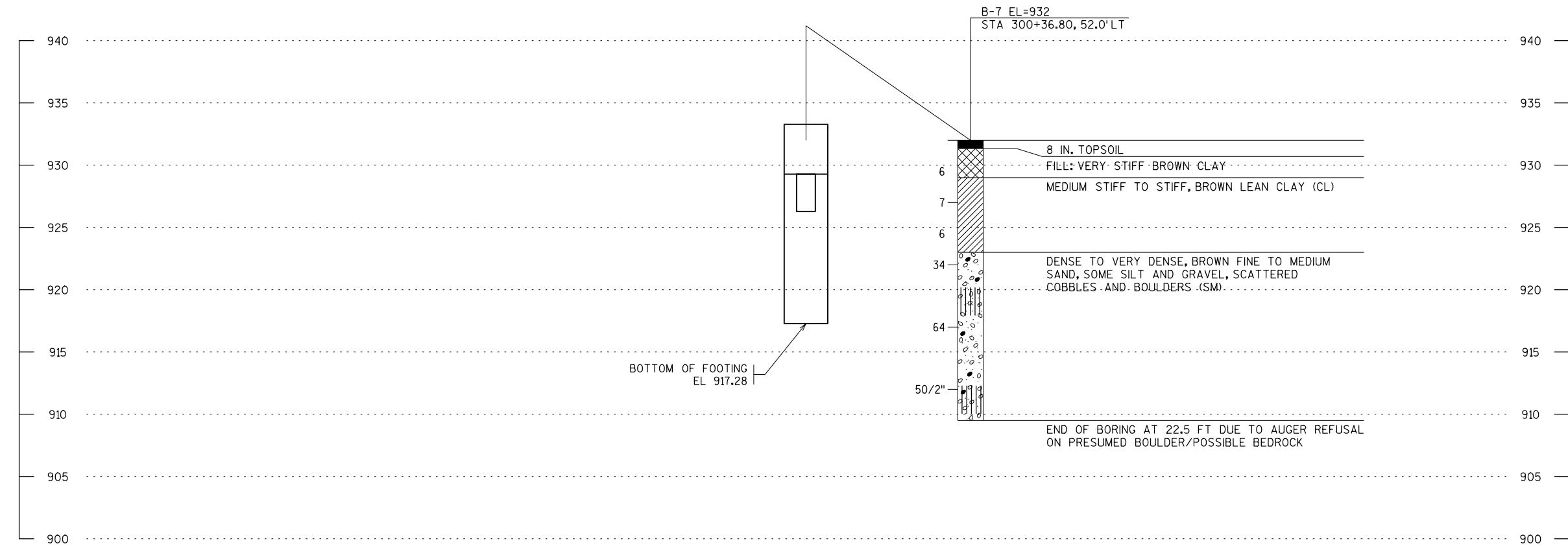
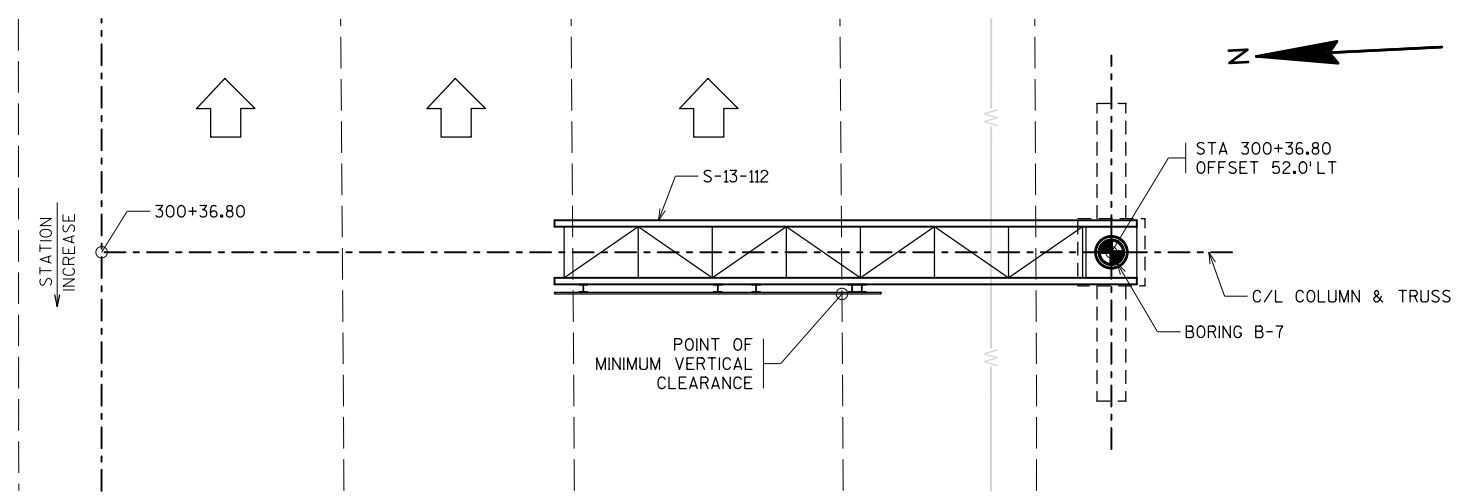
ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

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NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE S-13-112			
DRAWN BY		RAD	PLANS CK'D. NCK
SUBSURFACE EXPLORATION		SHEET 3 OF 3	



8

8



PROJECT ID 5992-11-11

STAGE 1 - SOUTH TRAIL 'ST'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		
				CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
0010	10+00	1000	0	6.63	0.00	0.0	0.0	0.0	0.0	0.0
	10+50	1050	50	12.51	0.02	17.7	0.0	17.7	0.0	17.7
	11+00	1100	50	11.72	0.24	22.4	0.2	40.2	0.3	39.8
	11+50	1150	50	6.98	1.46	17.3	1.6	57.5	2.3	55.2
	12+00	1200	50	11.68	0.12	17.3	1.5	74.8	4.1	70.6
	12+50	1250	50	12.18	0.09	22.1	0.2	96.8	4.4	92.5
	13+00	1300	50	11.80	0.09	22.2	0.2	119.0	4.6	114.5
	13+50	1350	50	12.27	0.00	22.3	0.1	141.3	4.7	136.7
	14+00	1400	50	11.77	3.25	22.3	3.0	163.6	8.4	155.2
	14+50	1450	50	12.02	0.21	22.0	3.2	185.6	12.4	173.2
	15+00	1500	50	12.02	0.21	22.3	0.4	207.9	12.9	195.0
	15+50	1550	50	11.81	0.39	22.1	0.6	229.9	13.6	216.3
	16+00	1600	50	12.05	0.07	22.1	0.4	252.0	14.2	237.9
	16+50	1650	50	11.92	0.47	22.2	0.5	274.2	14.8	259.5
	17+00	1700	50	13.28	0.00	23.3	0.4	297.6	15.3	282.2
	17+50	1750	50	11.38	0.26	22.8	0.2	320.4	15.6	304.8
	18+00	1800	50	12.51	0.09	22.1	0.3	342.5	16.0	326.5
	18+50	1850	50	8.42	0.67	19.4	0.7	361.9	16.9	345.0
	19+00	1900	50	13.25	0.01	20.1	0.6	382.0	17.7	364.3
	19+50	1950	50	5.24	1.09	17.1	1.0	399.1	19.0	380.1
	20+00	2000	50	16.97	0.18	20.6	1.2	419.6	20.4	399.2
	20+50	2050	50	4.24	4.84	19.6	4.6	439.3	26.3	413.0
	21+00	2100	50	14.34	0.00	17.2	4.5	456.5	31.9	424.6
	21+50	2150	50	16.45	0.00	28.5	0.0	485.0	31.9	453.1
	22+00	2200	50	26.15	0.00	39.4	0.0	524.4	31.9	492.6
	22+50	2250	50	33.87	0.00	55.6	0.0	580.0	31.9	548.2
	23+00	2300	50	21.17	0.24	51.0	0.2	631.0	32.1	598.9
	23+50	2350	50	21.32	0.00	39.3	0.2	670.3	32.4	637.9
	24+00	2400	50	28.84	0.00	46.4	0.0	716.8	32.4	684.4
	24+50	2450	50	29.85	0.00	54.3	0.0	771.1	32.4	738.7
	25+00	2500	50	25.35	1.01	51.1	0.9	822.2	33.6	788.6
	25+50	2550	50	11.11	0.02	33.8	1.0	856.0	34.8	821.2
	26+00	2600	50	6.75	0.13	16.5	0.1	872.5	34.9	837.6
	26+50	2650	50	7.64	0.10	13.3	0.2	885.8	35.2	850.6
	26+85	2685	35	12.37	0.00	13.0	0.1	898.8	35.3	863.5
						899	28			

9

9

PROJECT NO: 5992-11-11

HWY: NON HWY

COUNTY: DANE

EARTHWORK DATA

SHEET

E

PROJECT ID 5992-11-11

STAGE 1 - NORTH TRAIL 'NT'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		
				CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
0010	100+00	10000	0	24.77	0.00	0.0	0.0	0.0	0.0	0.0
	100+55	10055	55	0.32	25.63	25.6	26.1	25.6	32.6	-7.1
	101+00	10100	45	21.28	2.63	18.0	23.6	43.6	62.1	-18.5
	101+50	10150	50	4.74	3.93	24.1	6.1	67.6	69.7	-2.0
	102+00	10200	50	11.18	0.01	14.7	3.6	82.4	74.2	8.2
	102+50	10250	50	11.03	0.11	20.6	0.1	103.0	74.4	28.6
	103+00	10300	50	14.67	0.00	23.8	0.1	126.7	74.5	52.3
	103+50	10350	50	7.86	0.36	20.9	0.3	147.6	74.9	72.7
	104+00	10400	50	10.95	0.12	17.4	0.4	165.0	75.5	89.6
	104+50	10450	50	7.82	0.70	17.4	0.8	182.4	76.4	106.0
	105+00	10500	50	5.36	0.75	12.2	1.3	194.6	78.1	116.5
	105+50	10550	50	0.08	4.66	5.0	5.0	199.6	84.3	115.3
	106+00	10600	50	1.47	5.61	1.4	9.5	201.1	96.2	104.8
	106+50	10650	50	6.24	7.17	7.1	11.8	208.2	111.0	97.2
	107+00	10700	50	13.56	17.12	18.3	22.5	226.6	139.1	87.4
	107+50	10750	50	32.16	34.47	42.3	47.8	268.9	198.9	70.0
	108+00	10800	50	12.96	59.07	41.8	86.6	310.7	307.1	3.6
	108+50	10850	50	0.00	107.98	12.0	154.7	322.7	500.5	-177.8
	108+95	10895	45	0.00	169.56	0.0	231.3	322.7	789.6	-466.9
	109+50	10950	55	0.00	163.82	0.0	339.6	322.7	1,214.0	-891.3
	110+00	11000	50	0.00	44.30	0.0	192.7	322.7	1,454.9	-1,132.2
	110+50	11050	50	31.94	0.38	29.6	41.4	352.2	1,506.6	-1,154.4
	111+00	11100	50	52.06	0.43	77.8	0.8	430.0	1,507.5	-1,077.5
	111+50	11150	50	46.47	1.81	91.2	2.1	521.2	1,510.1	-988.9
	112+00	11200	50	36.54	0.00	76.9	1.7	598.1	1,512.2	-914.1
	112+50	11250	50	36.99	0.00	68.1	0.0	666.2	1,512.2	-846.0
	113+00	11300	50	22.12	0.00	54.7	0.0	720.9	1,512.2	-791.3
	113+50	11350	50	8.08	0.08	28.0	0.1	748.9	1,512.3	-763.4
	114+00	11400	50	21.79	0.00	27.7	0.1	776.5	1,512.4	-735.9
	114+50	11450	50	22.89	2.28	41.4	2.1	817.9	1,515.0	-697.1
	115+00	11500	50	17.43	4.11	37.3	5.9	855.2	1,522.4	-667.2
	115+50	11550	50	21.08	5.37	35.7	8.8	890.9	1,533.4	-642.5
	116+00	11600	50	24.40	9.06	42.1	13.4	933.0	1,550.1	-617.1
	116+50	11650	50	24.97	8.43	45.7	16.2	978.7	1,570.4	-591.6
	117+00	11700	50	19.36	11.26	41.0	18.2	1,019.8	1,593.1	-573.4
	117+45	11745	45	19.36	11.26	32.3	18.8	1,052.0	1,616.6	-564.6
						1052	1293			

9

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PROJECT NO: 5992-11-11

HWY: NON HWY

COUNTY: DANE

EARTHWORK DATA

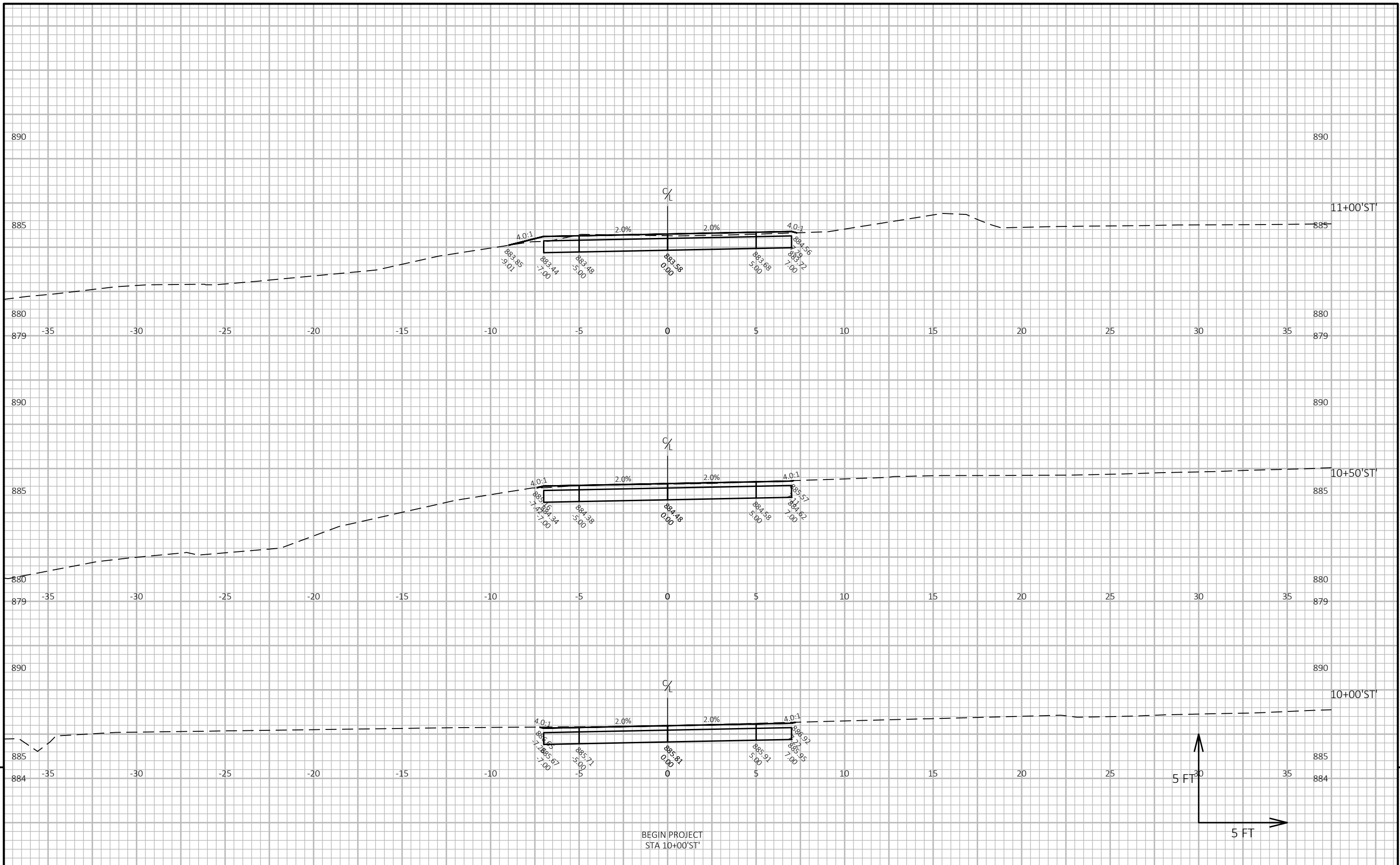
SHEET

E

PROJECT ID 5992-11-11

STAGE 1 - NORTH TRAIL 'NT'

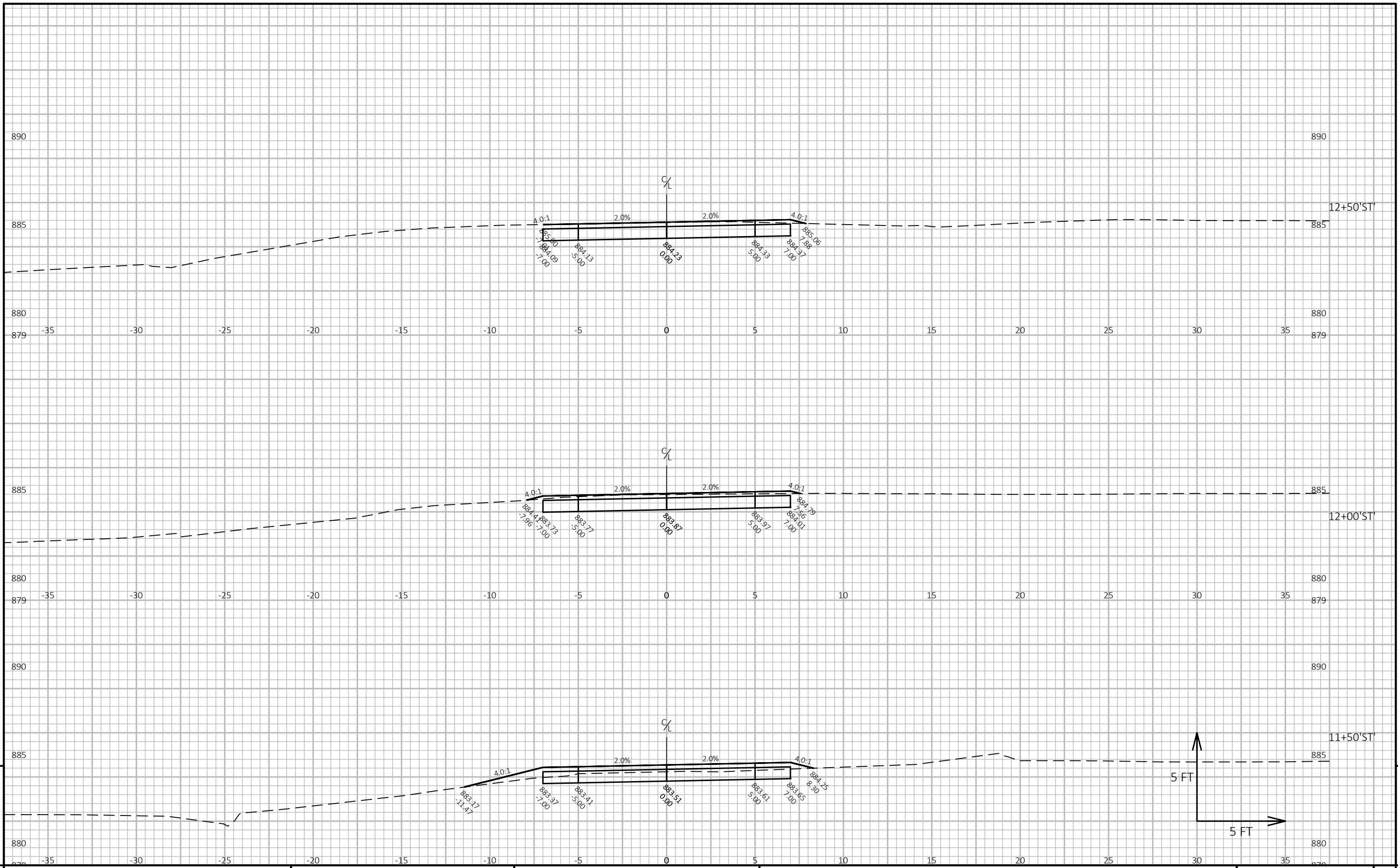
CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		
				CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
0010	124+44	12444	0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
	124+50	12450	6	0.00	116.55	0.0	13.0	0.0	16.2	-16.2
	125+10	12510	60	0.00	29.47	0.0	162.2	0.0	219.0	-219.0
	125+50	12550	40	0.08	5.69	0.1	26.0	0.1	251.5	-251.5
	126+00	12600	50	3.50	1.64	3.3	6.8	3.4	260.0	-256.7
						3	208			



9

9

PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	CROSS SECTIONS: SOUTH TRAIL	SHEET	E
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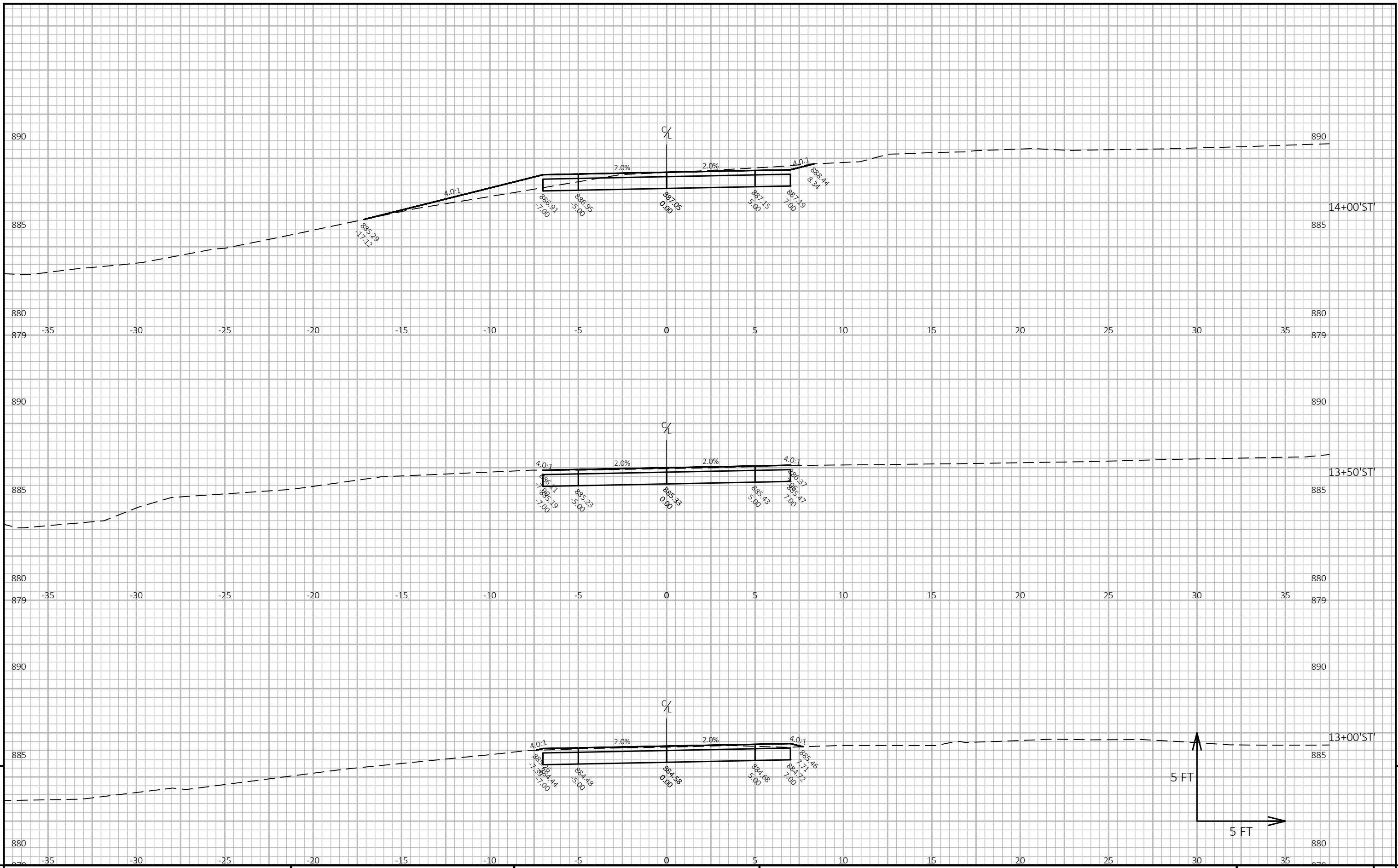
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: SOUTH TRAIL      SHEET      E

FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_X5 - SOUTH TRAIL.DWG      PLOT DATE : 4/12/2023 6:49 AM      PLOT BY : DEAN STODOLA      PLOT NAME :      PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 2



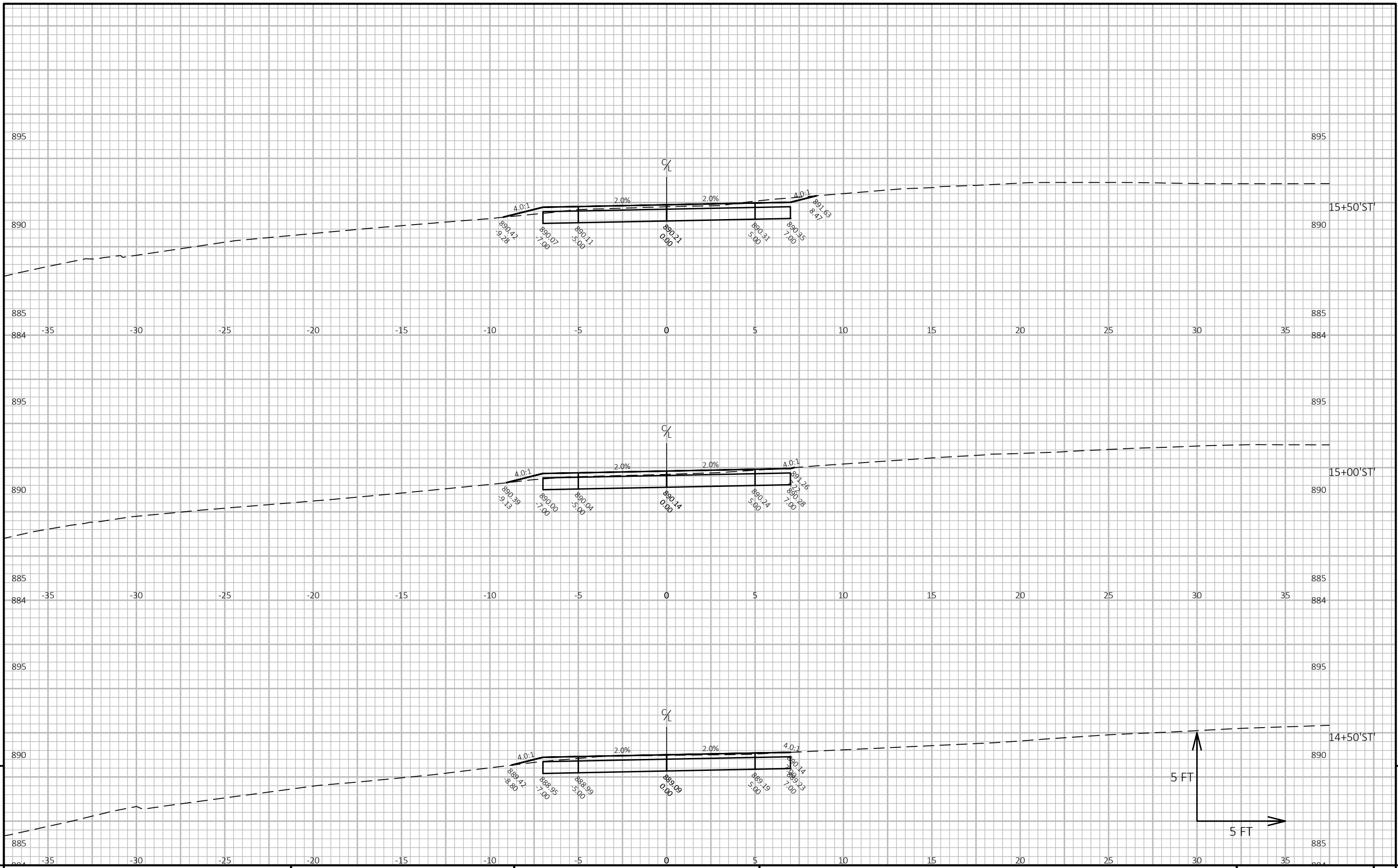
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: SOUTH TRAIL      SHEET      E

FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_X5 - SOUTH TRAIL.DWG      PLOT DATE : 4/12/2023 6:49 AM      PLOT BY : DEAN STODOLA      PLOT NAME :      PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 3



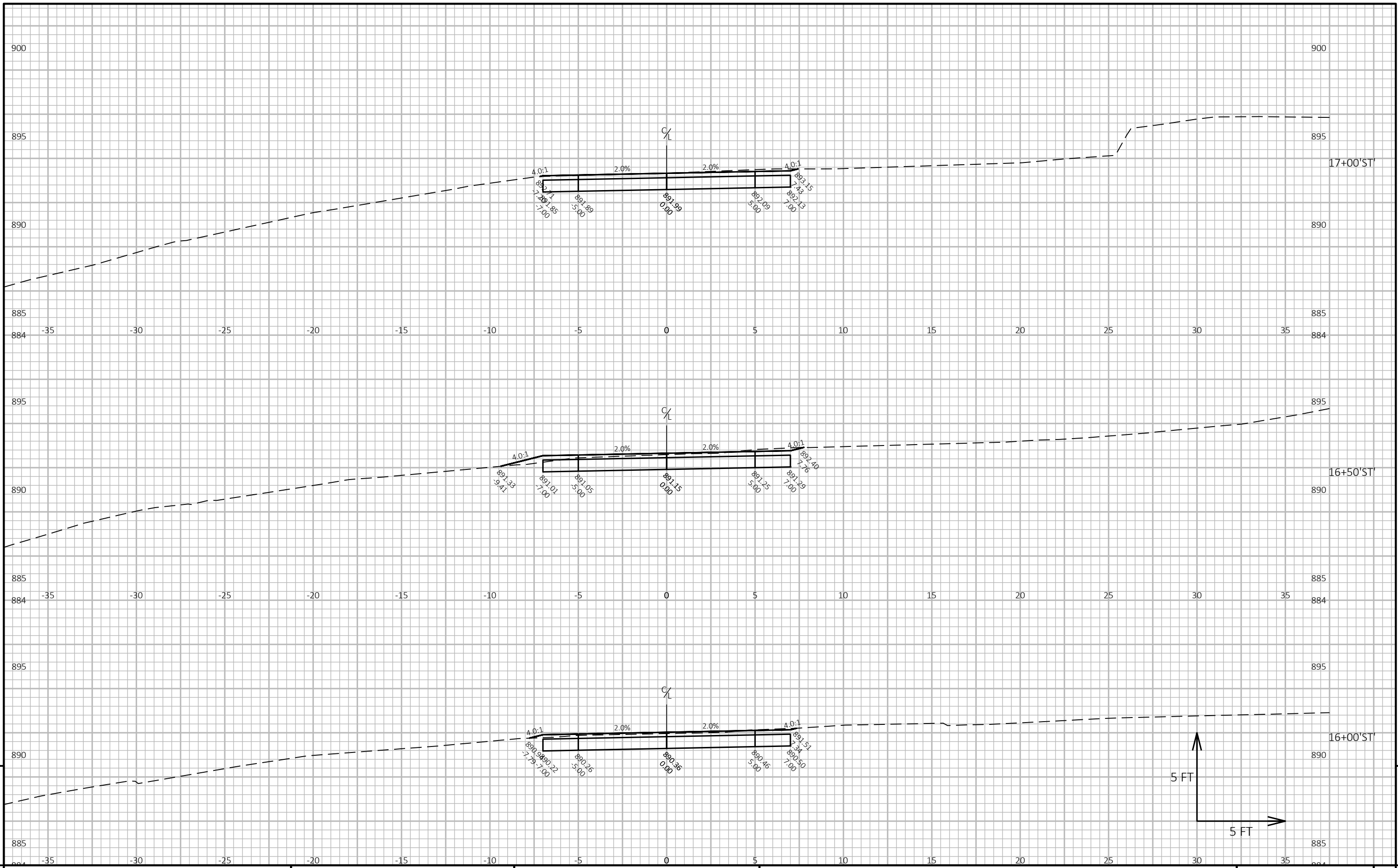
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: SOUTH TRAIL      SHEET      E

FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_X5 - SOUTH TRAIL.DWG      PLOT DATE : 4/12/2023 6:49 AM      PLOT BY : DEAN STODOLA      PLOT NAME :      PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 4



9

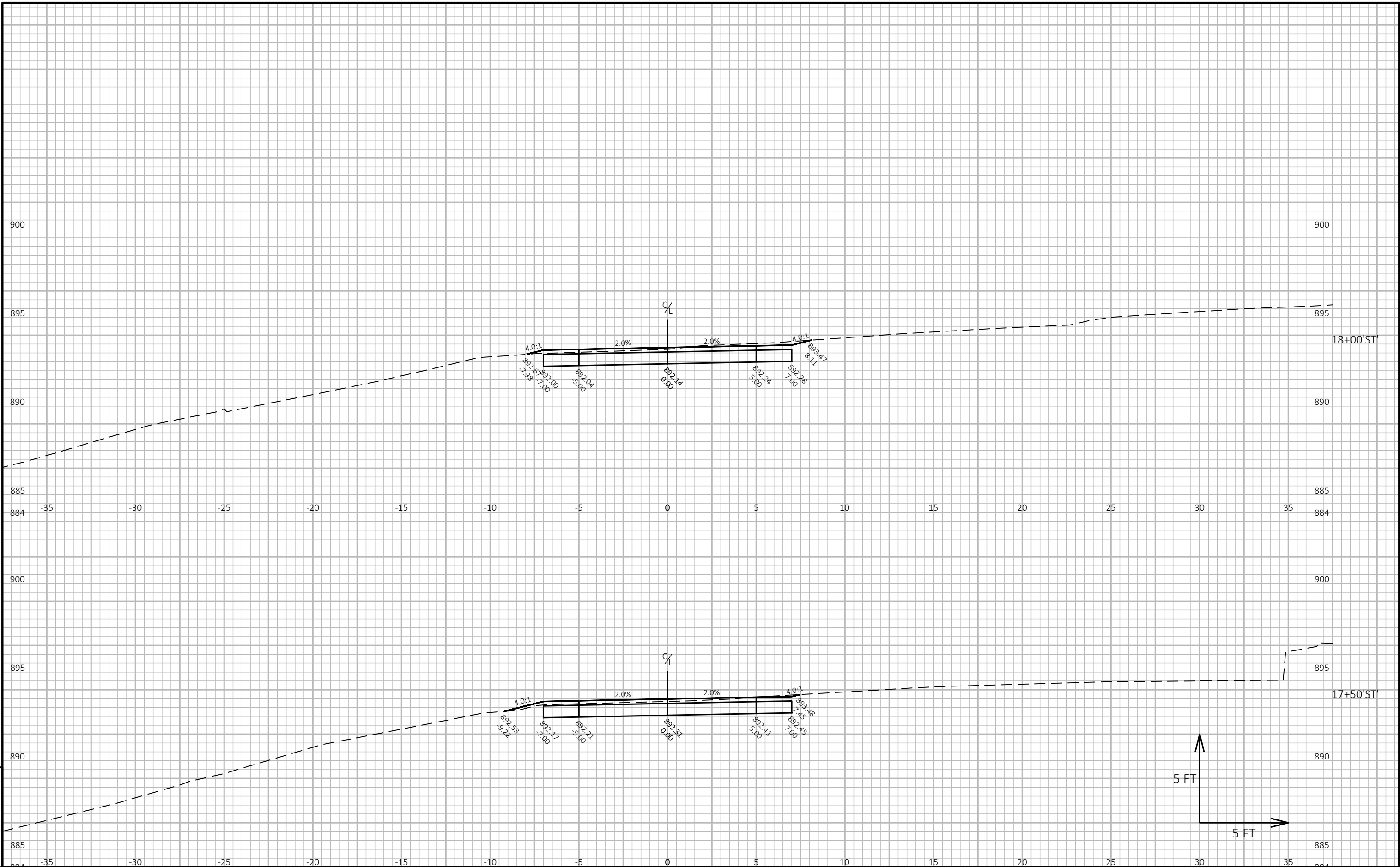
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: SOUTH TRAIL      SHEET      E

FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_XS - SOUTH TRAIL.DWG      PLOT DATE : 4/12/2023 6:50 AM      PLOT BY : DEAN STODOLA      PLOT NAME :      PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 5





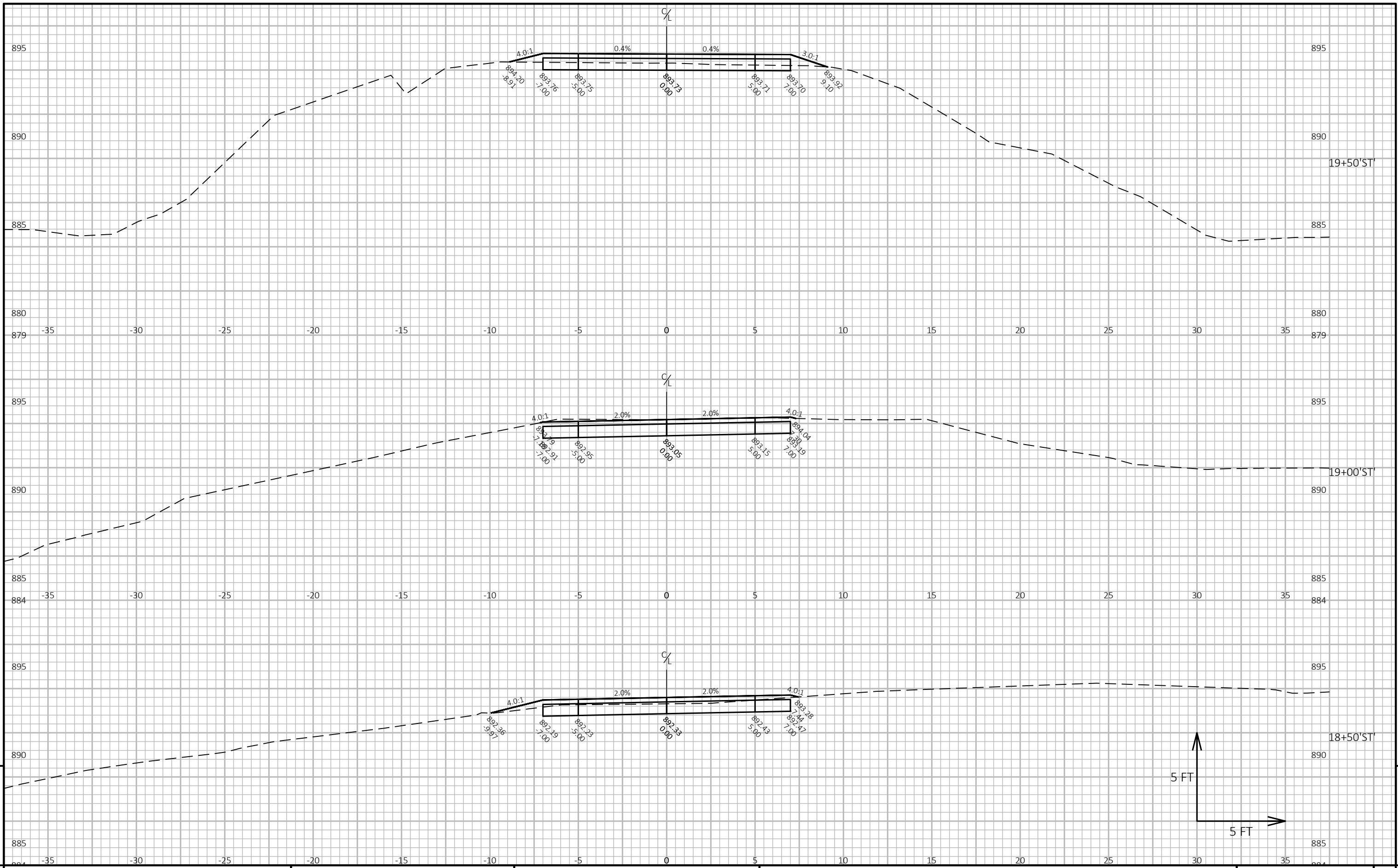
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: SOUTH TRAIL      SHEET      E

FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_XS - SOUTH TRAIL.DWG      PLOT DATE : 4/12/2023 6:50 AM      PLOT BY : DEAN STODOLA      PLOT NAME :      PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 6

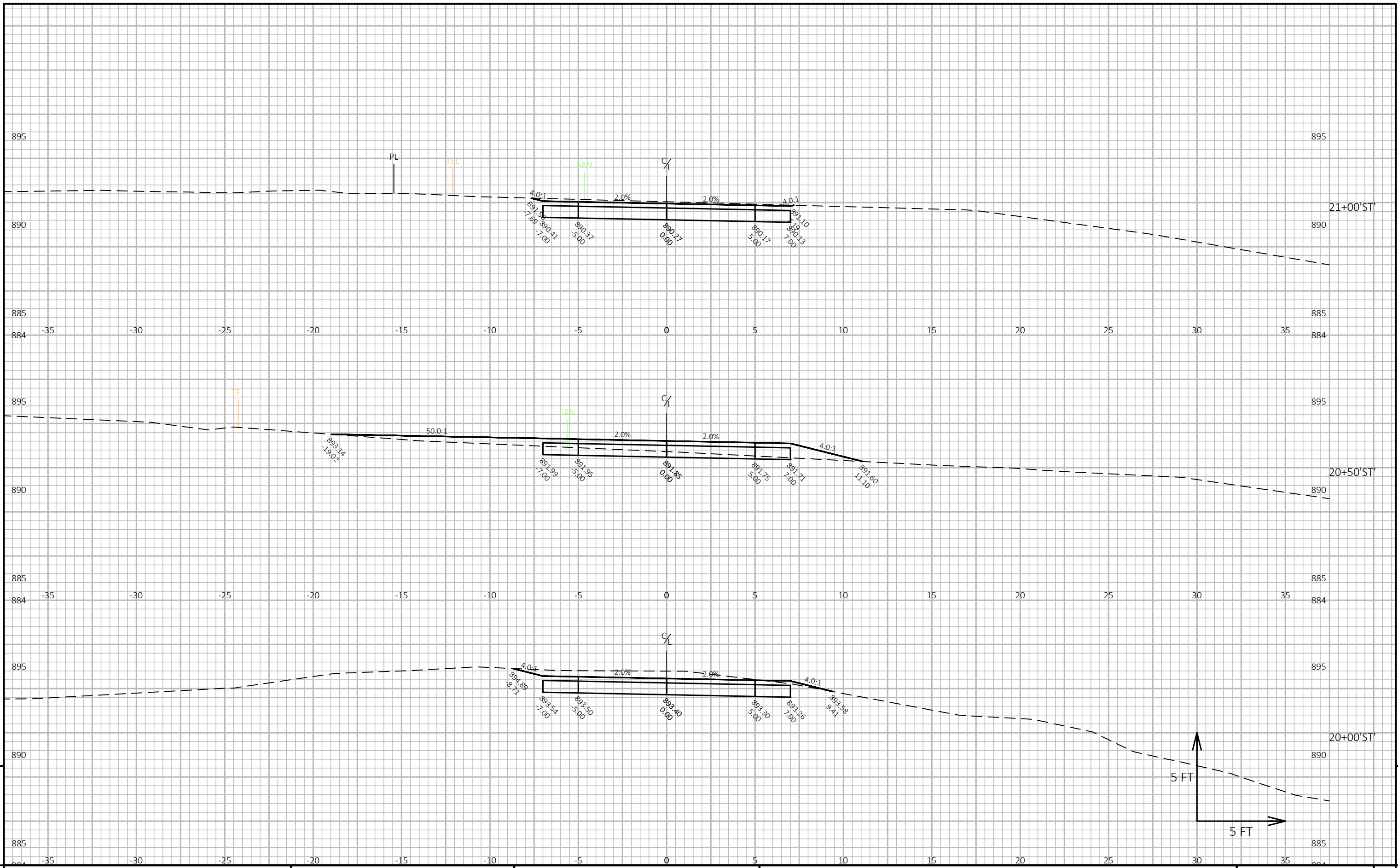


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PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	CROSS SECTIONS: SOUTH TRAIL	SHEET	E
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FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_X5 - SOUTH TRAIL.DWG PLOT DATE : 4/12/2023 6:50 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.



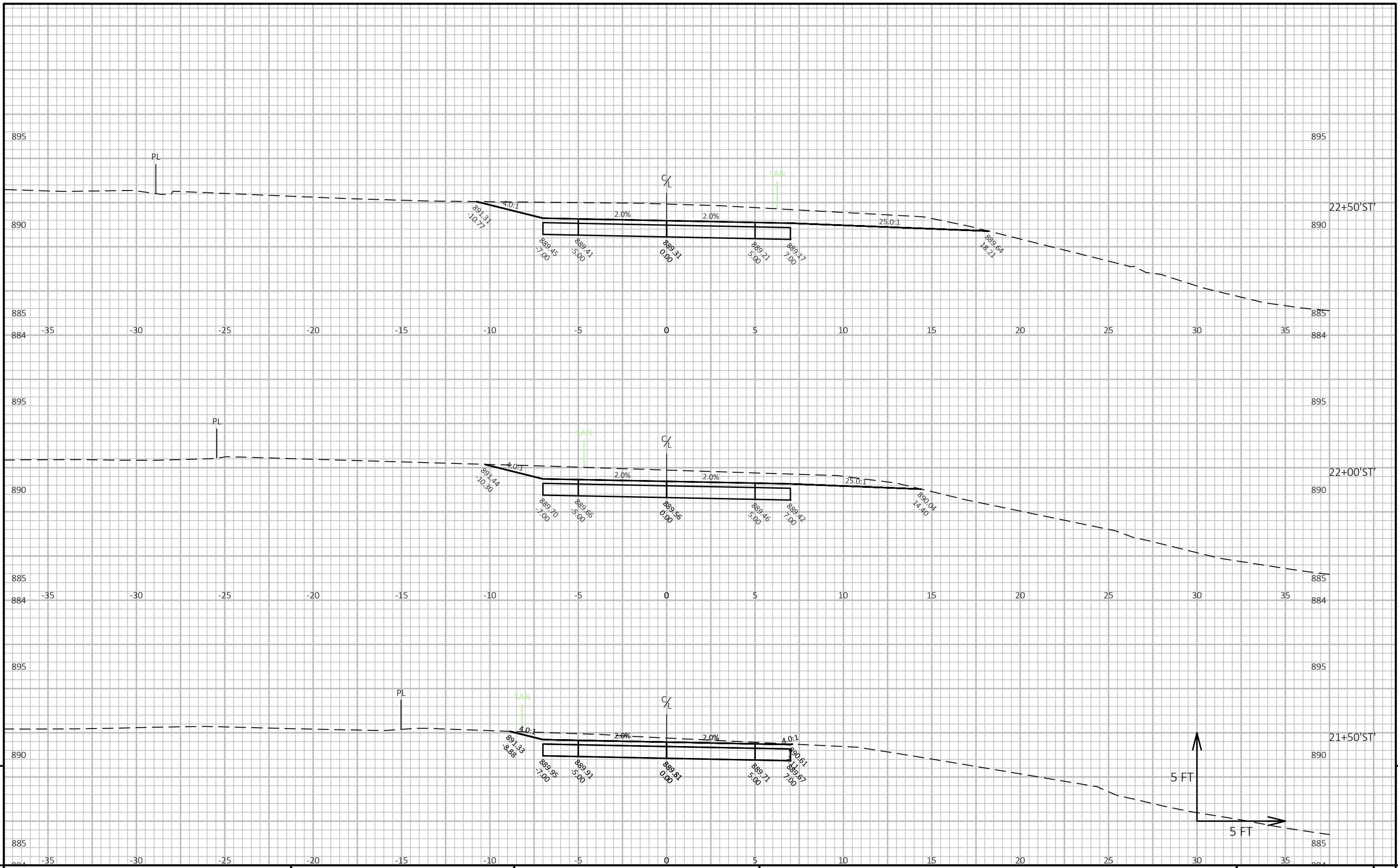
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: SOUTH TRAIL      SHEET      E

FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_X5 - SOUTH TRAIL.DWG      PLOT DATE : 4/12/2023 6:50 AM      PLOT BY : DEAN STODOLA      PLOT NAME :      PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 8



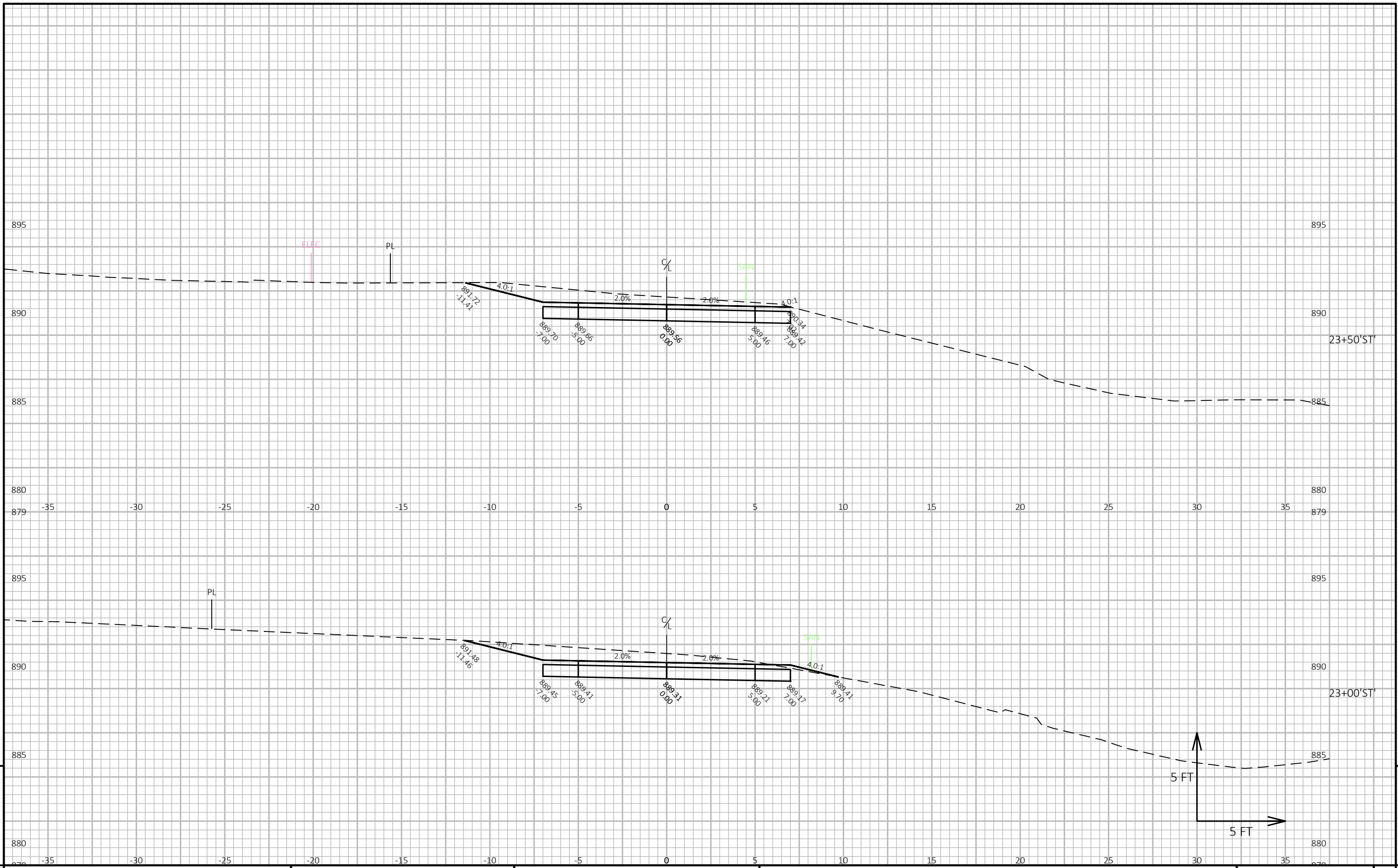
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: SOUTH TRAIL      SHEET      E

FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_XS - SOUTH TRAIL.DWG      PLOT DATE : 4/12/2023 6:50 AM      PLOT BY : DEAN STODOLA      PLOT NAME :      PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 9



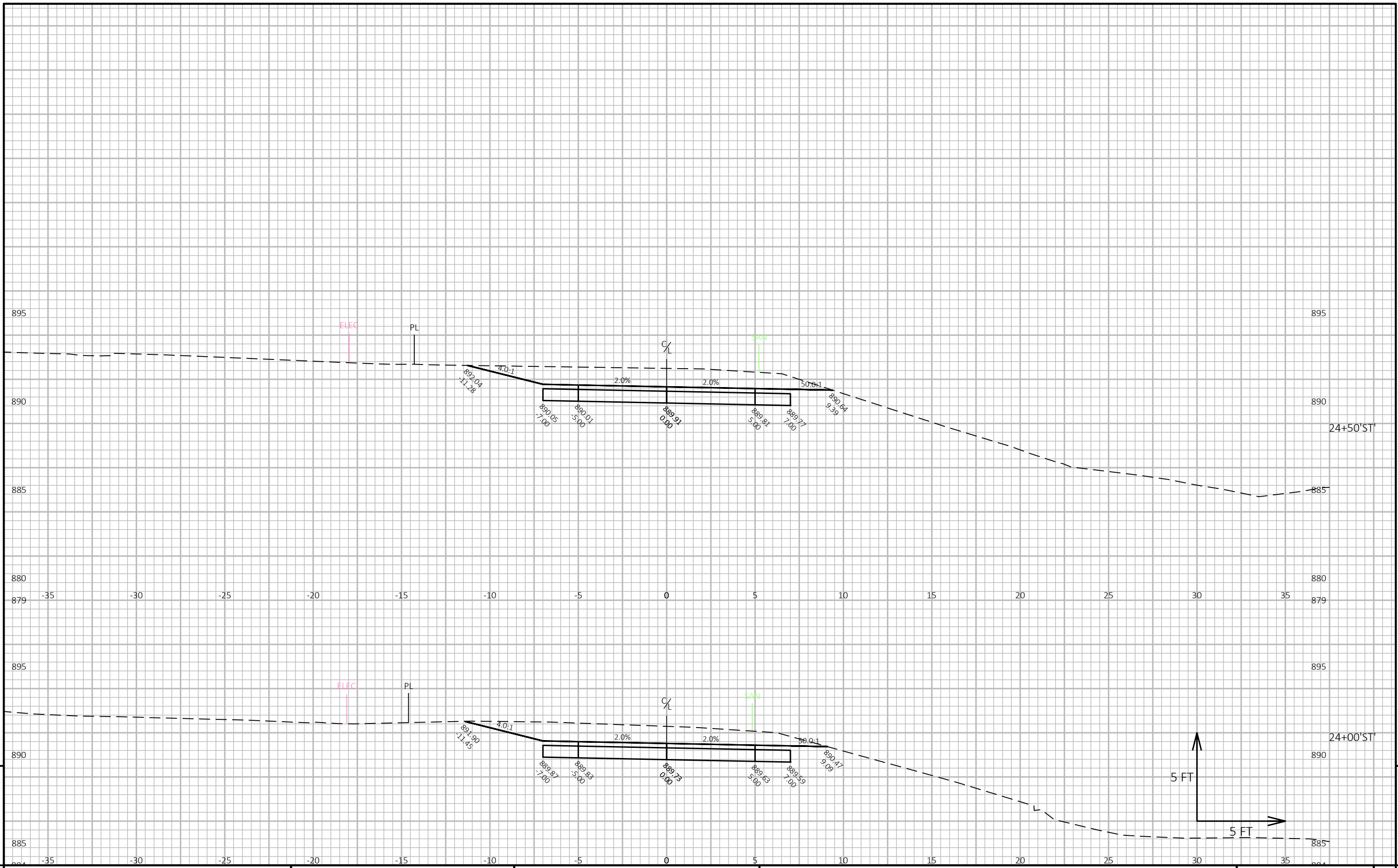
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: SOUTH TRAIL      SHEET      E

FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_X5 - SOUTH TRAIL.DWG      PLOT DATE : 4/12/2023 6:50 AM      PLOT BY : DEAN STODOLA      PLOT NAME :      PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 10



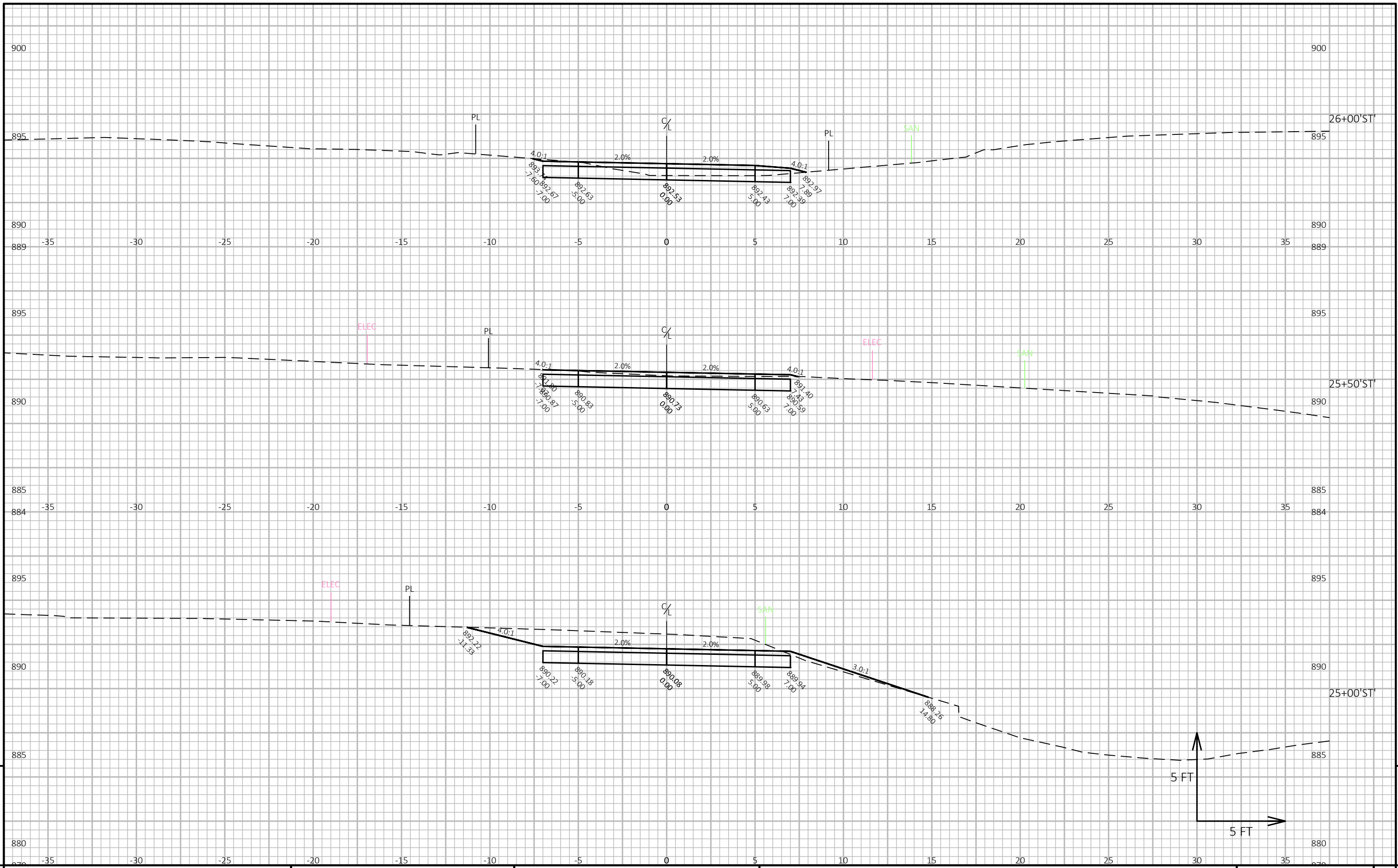
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: SOUTH TRAIL      SHEET      E

FILE NAME: P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_XS - SOUTH TRAIL.DWG      PLOT DATE: 4/12/2023 6:50 AM      PLOT BY: DEAN STODOLA      PLOT NAME:      PLOT SCALE: 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 11



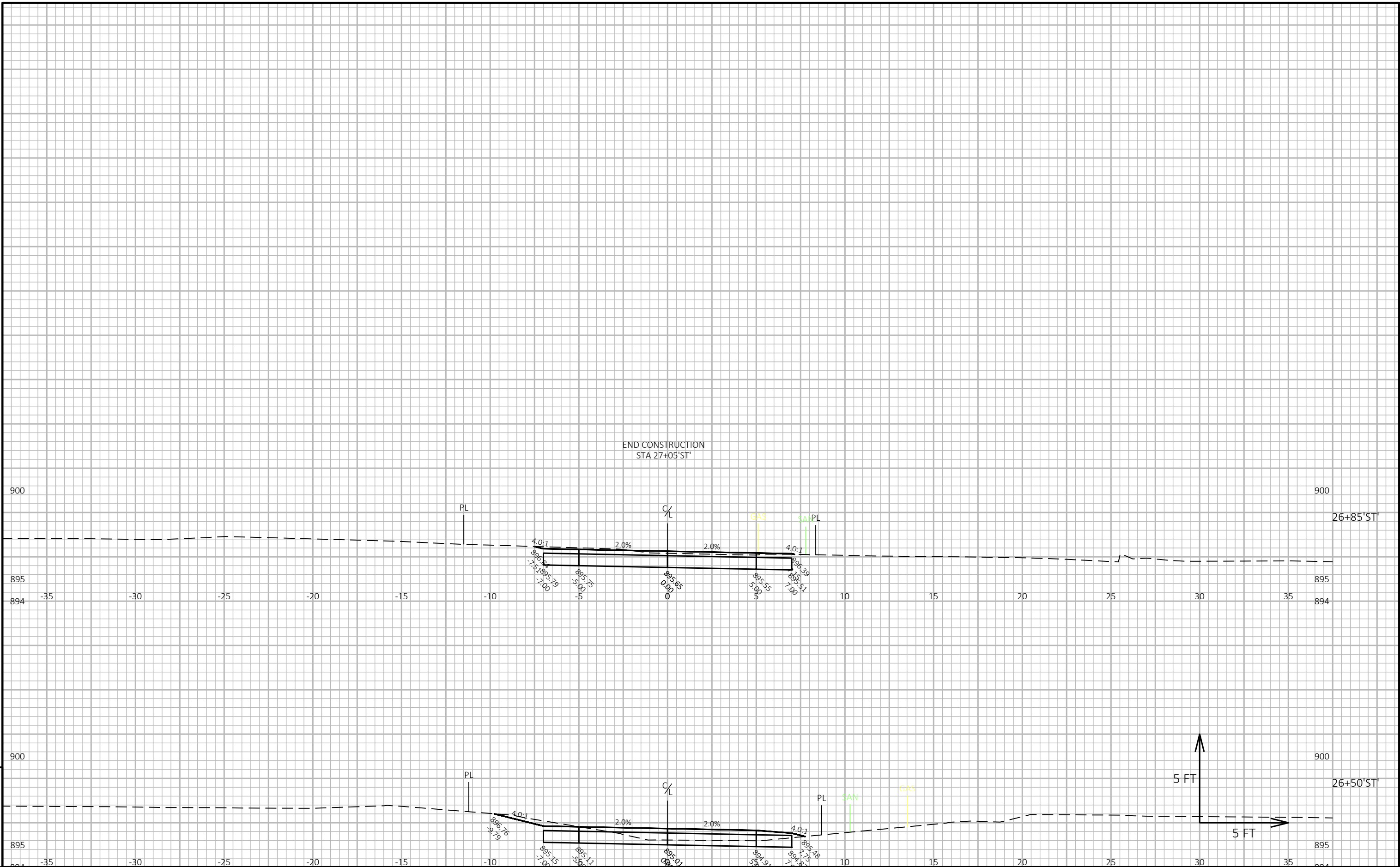
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: SOUTH TRAIL      SHEET      E

FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_X5 - SOUTH TRAIL.DWG      PLOT DATE : 4/12/2023 6:50 AM      PLOT BY : DEAN STODOLA      PLOT NAME :      PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 12



PROJECT NO: 5992-11-11

HWY: NON HWY

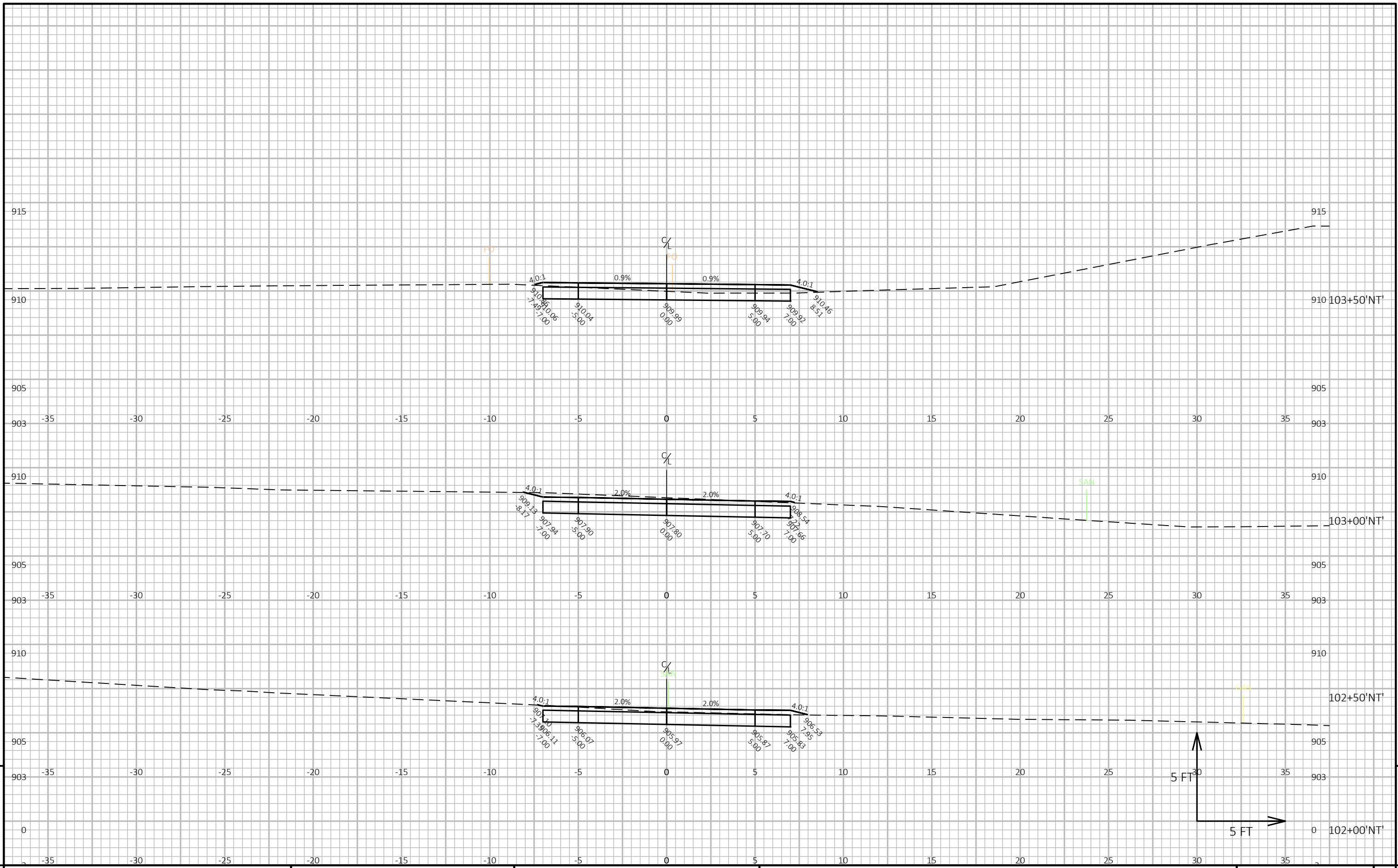
COUNTY: DANE

CROSS SECTIONS: SOUTH TRAIL

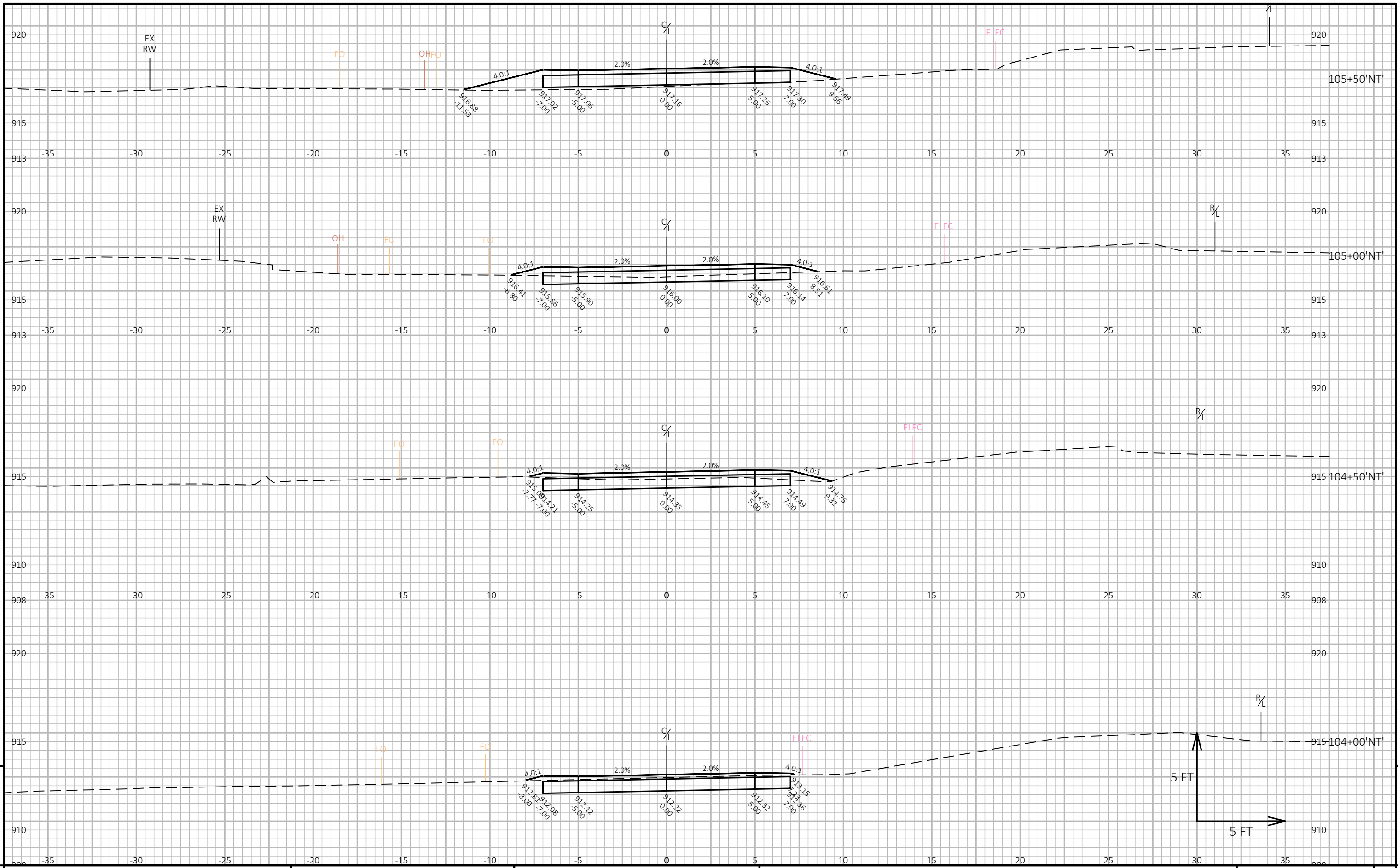
SHEET

E





PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: NORTH TRAIL      SHEET      E



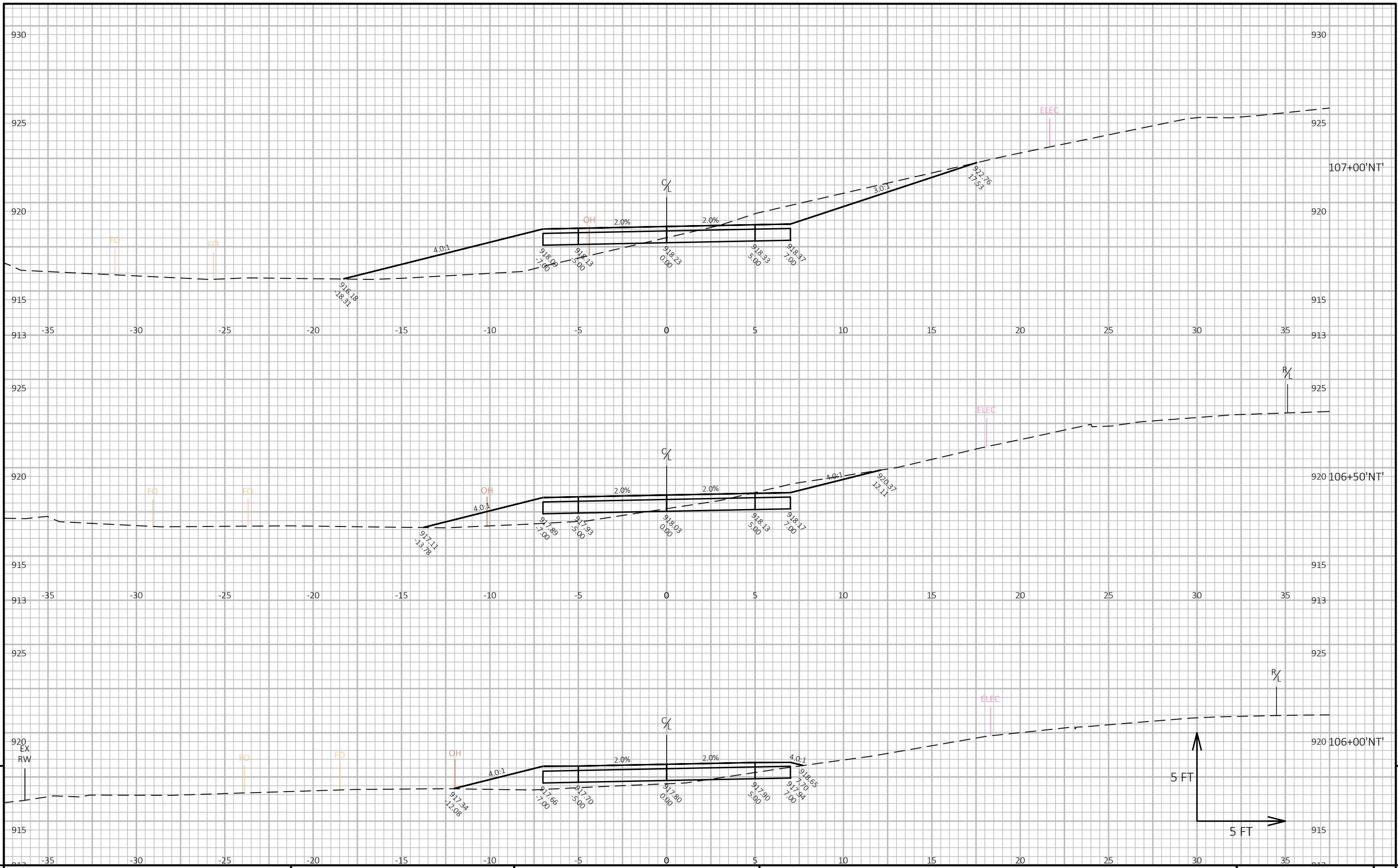
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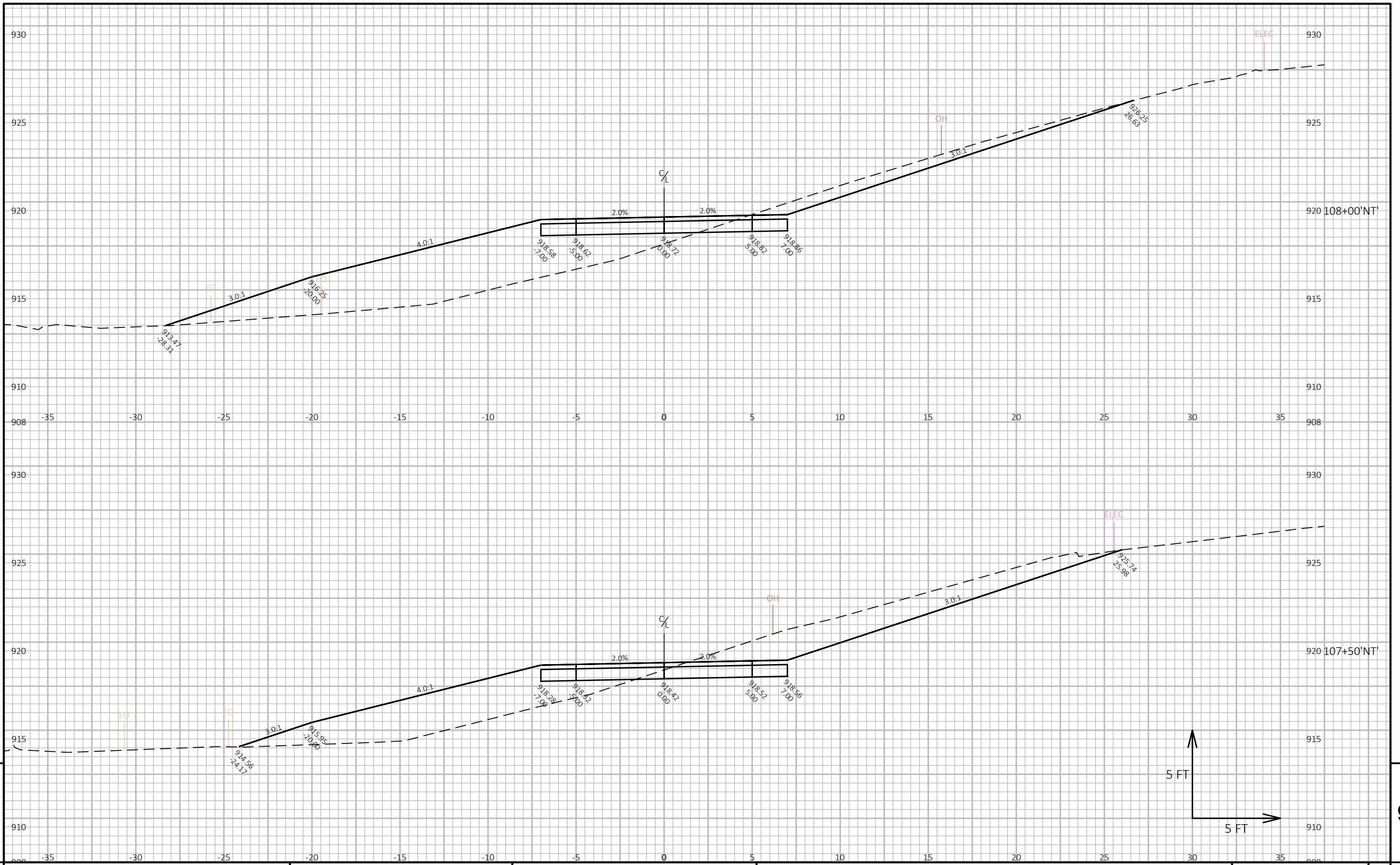
PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: NORTH TRAIL      SHEET      E

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LAYOUT NAME - 3



PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: NORTH TRAIL      SHEET      E



PROJECT NO: 5992-11-11

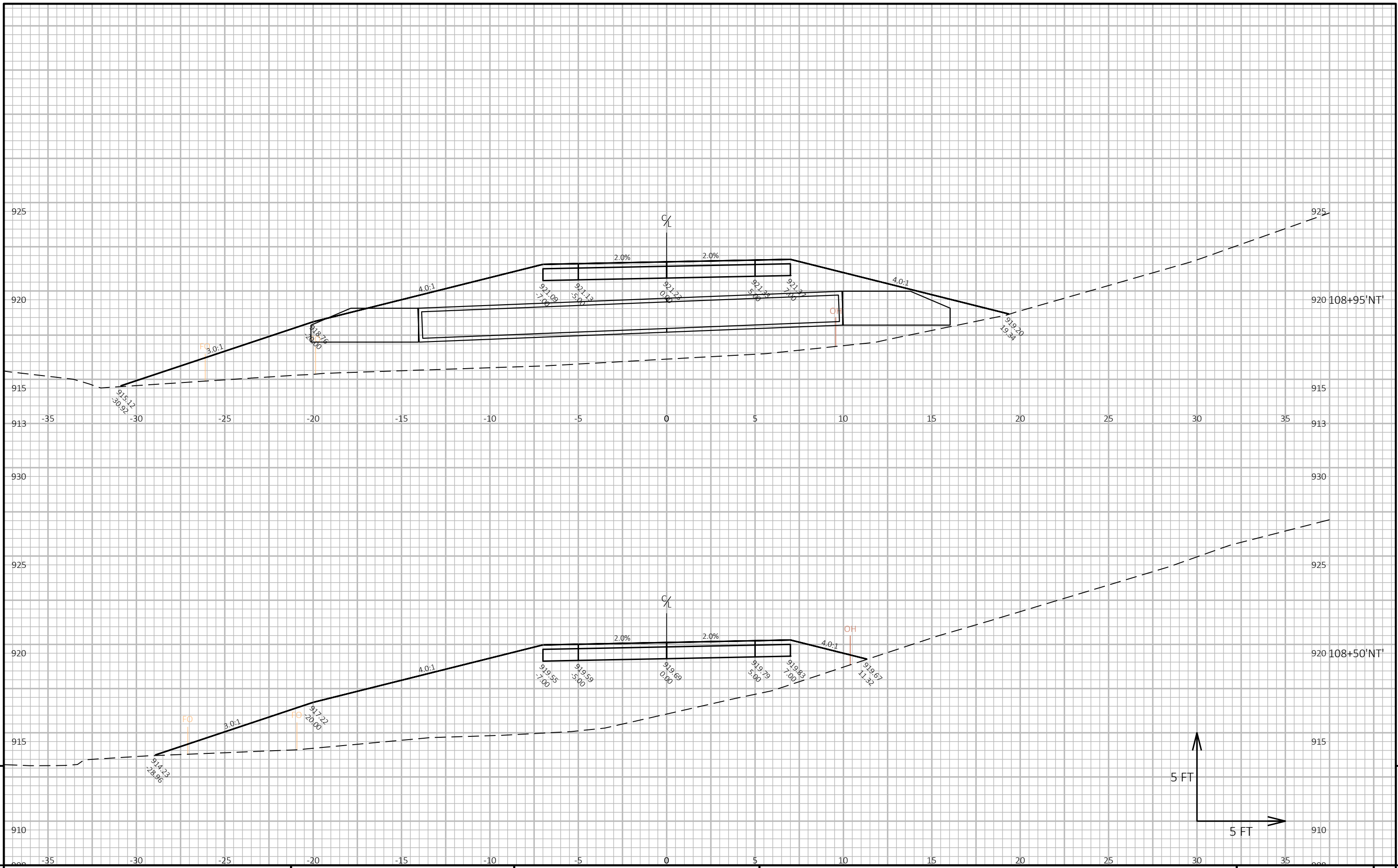
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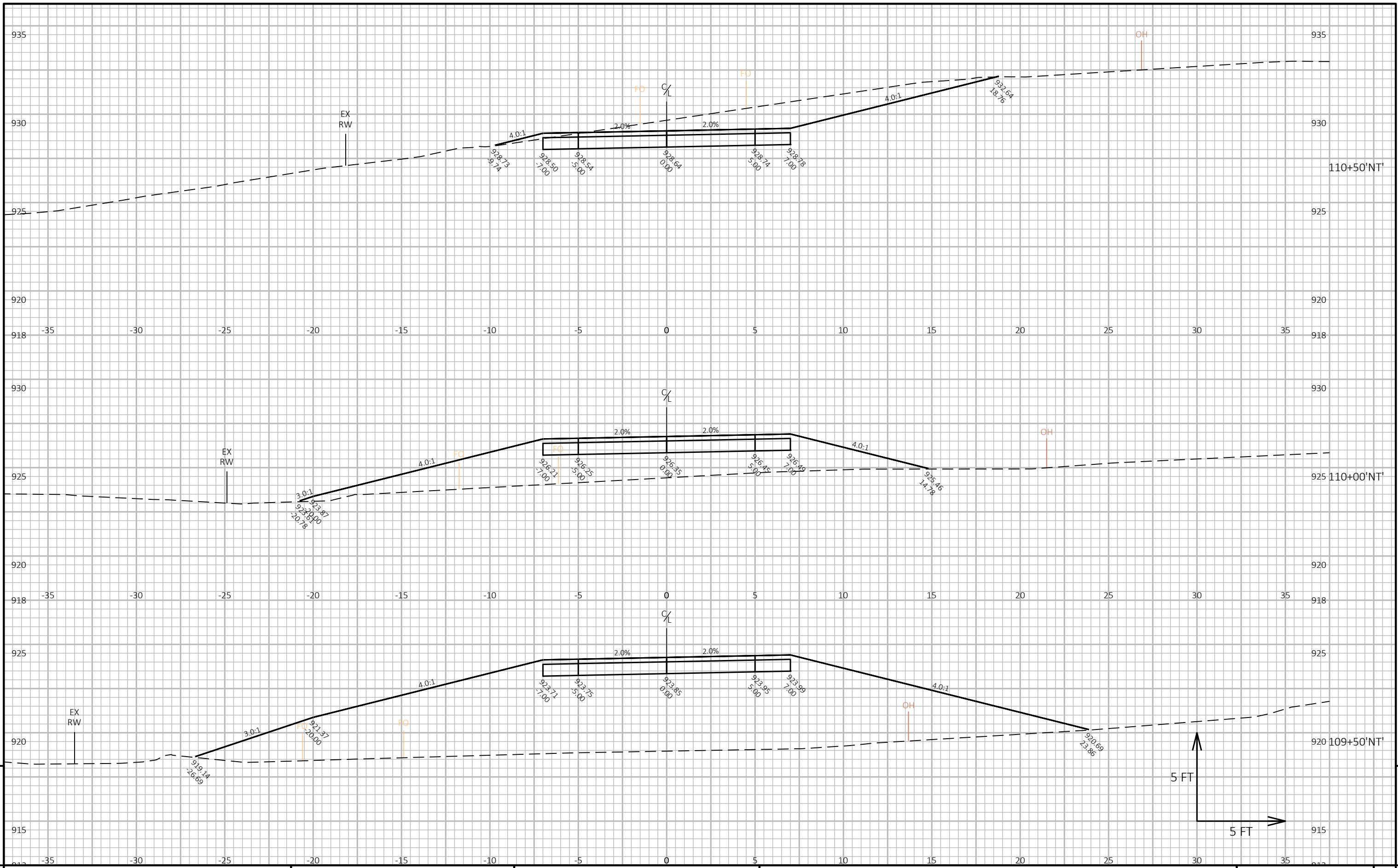
CROSS SECTIONS: NORTH TRAIL

SHEET

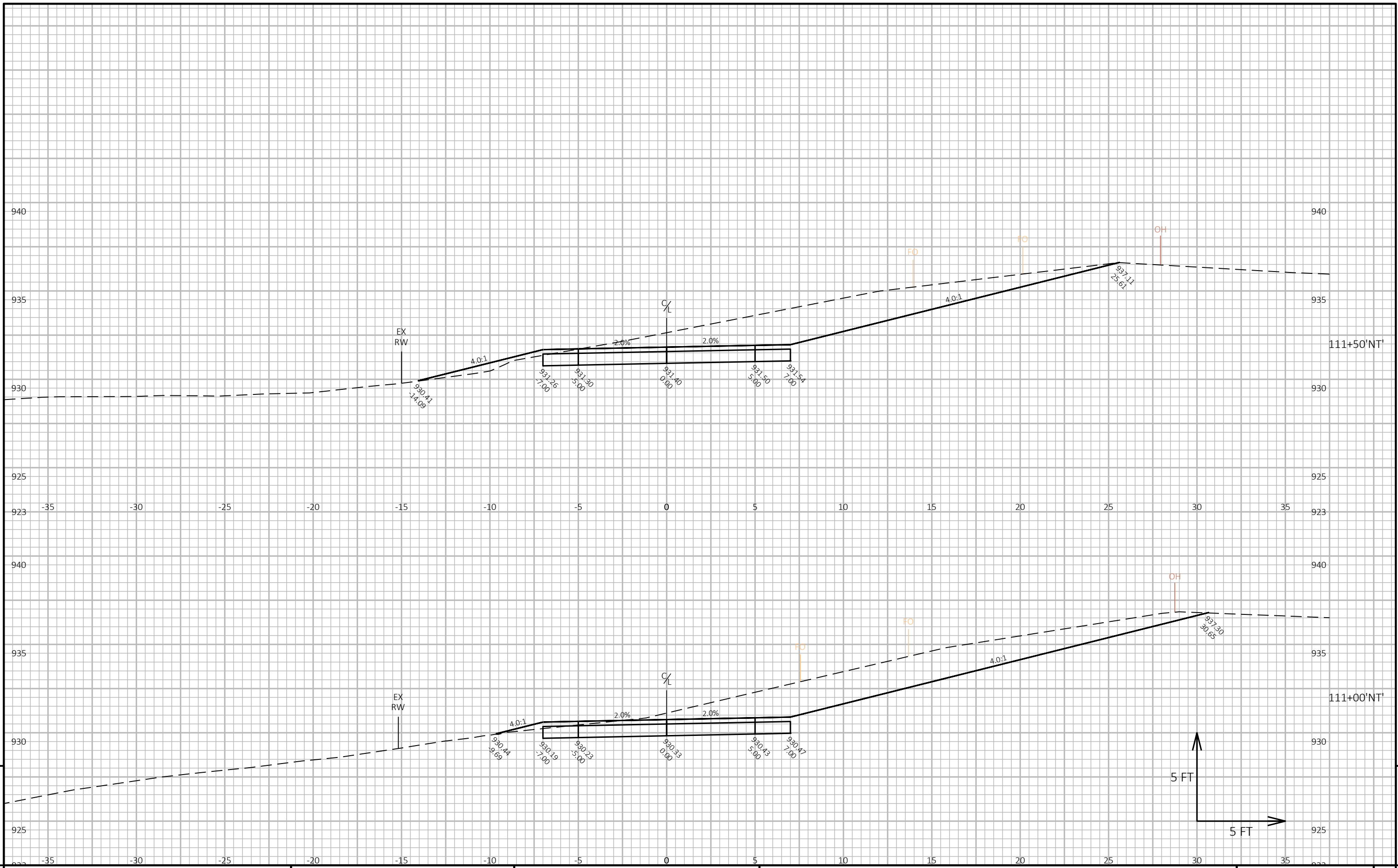
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: NORTH TRAIL      SHEET      E



PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: NORTH TRAIL      SHEET      E



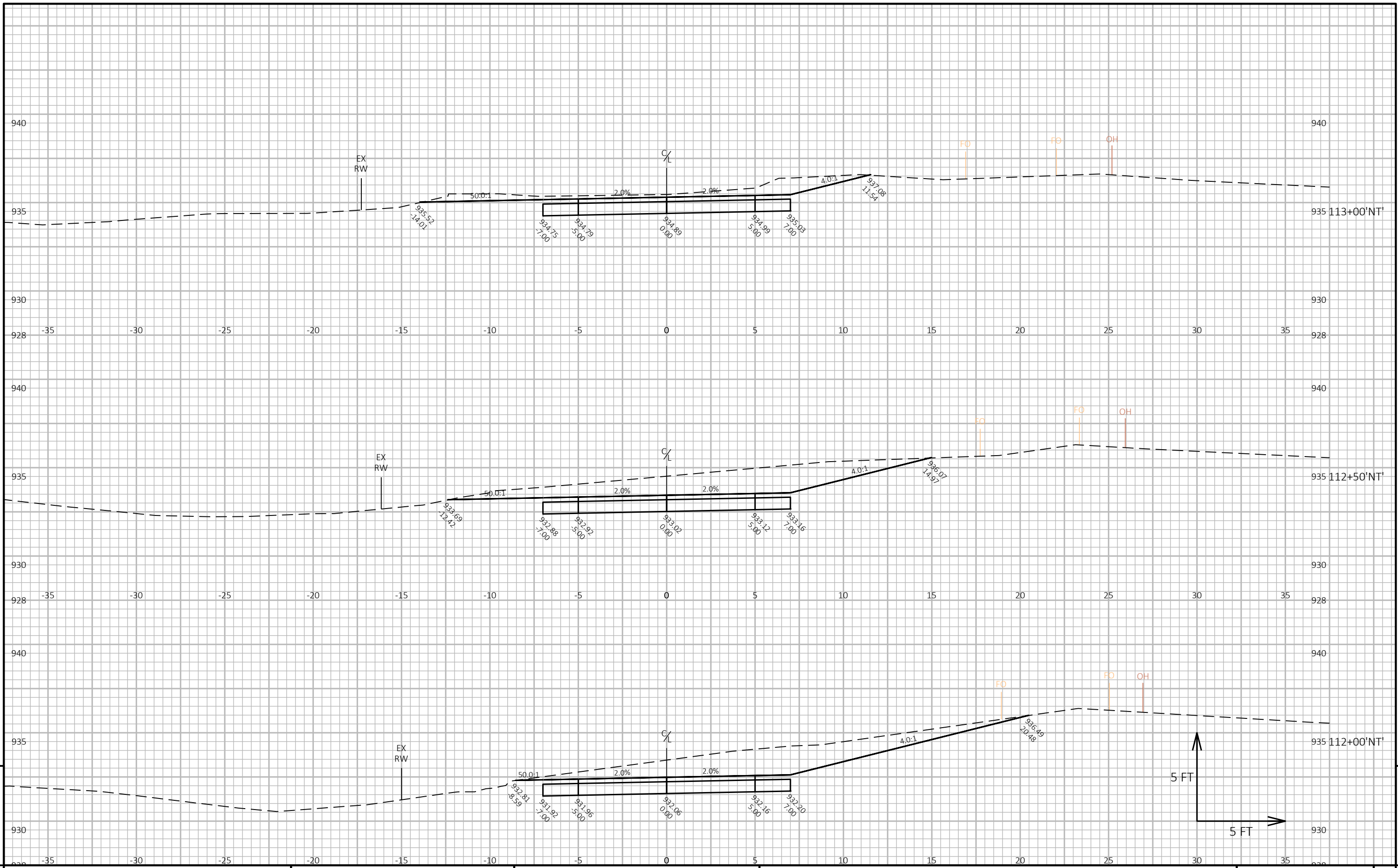
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: NORTH TRAIL      SHEET      E

FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_XS - NORTH TRAIL.DWG      PLOT DATE : 4/11/2023 4:27 PM      PLOT BY : DEAN STODOLA      PLOT NAME :      PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49

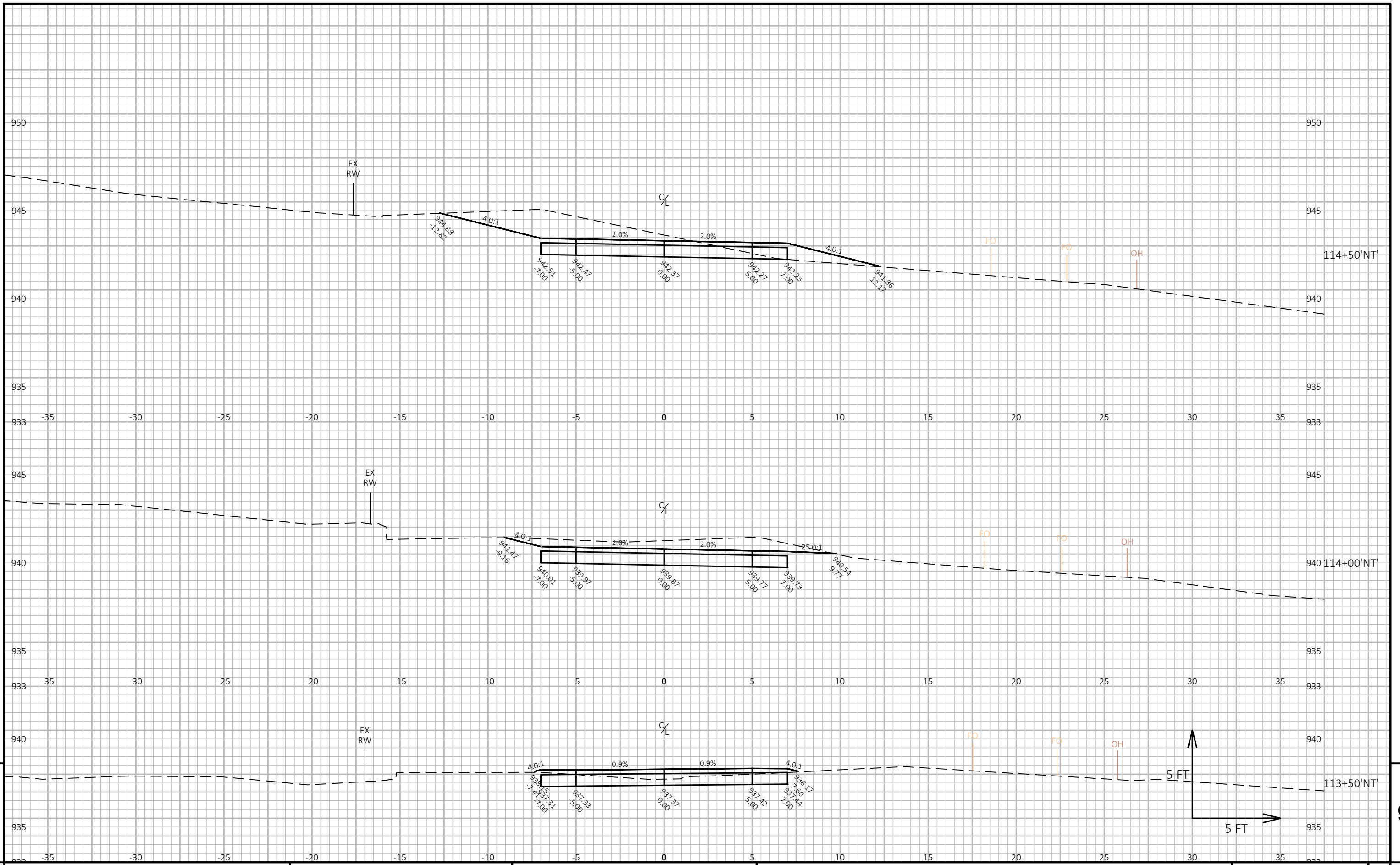
LAYOUT NAME - 8



PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: NORTH TRAIL      SHEET 9

FILE NAME: P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_X5 - NORTH TRAIL.DWG      PLOT DATE: 4/11/2023 4:27 PM      PLOT BY: DEAN STODOLA      PLOT NAME:      PLOT SCALE: 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.      WISDOT/CADD SHEET 49





PROJECT NO: 5992-11-11

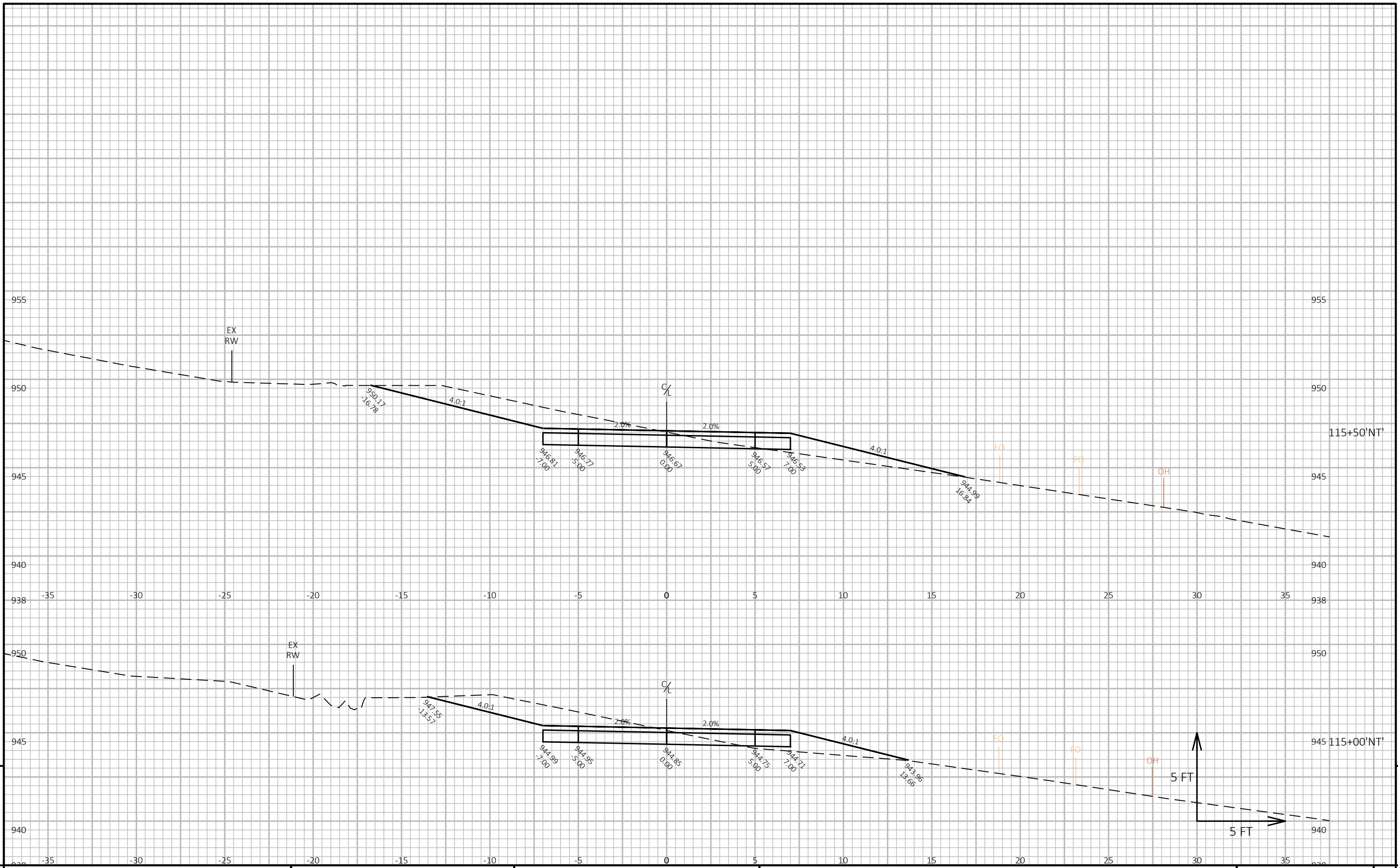
HWY: NON HWY

COUNTY: DANE

CROSS SECTIONS: NORTH TRAIL

SHEET

E



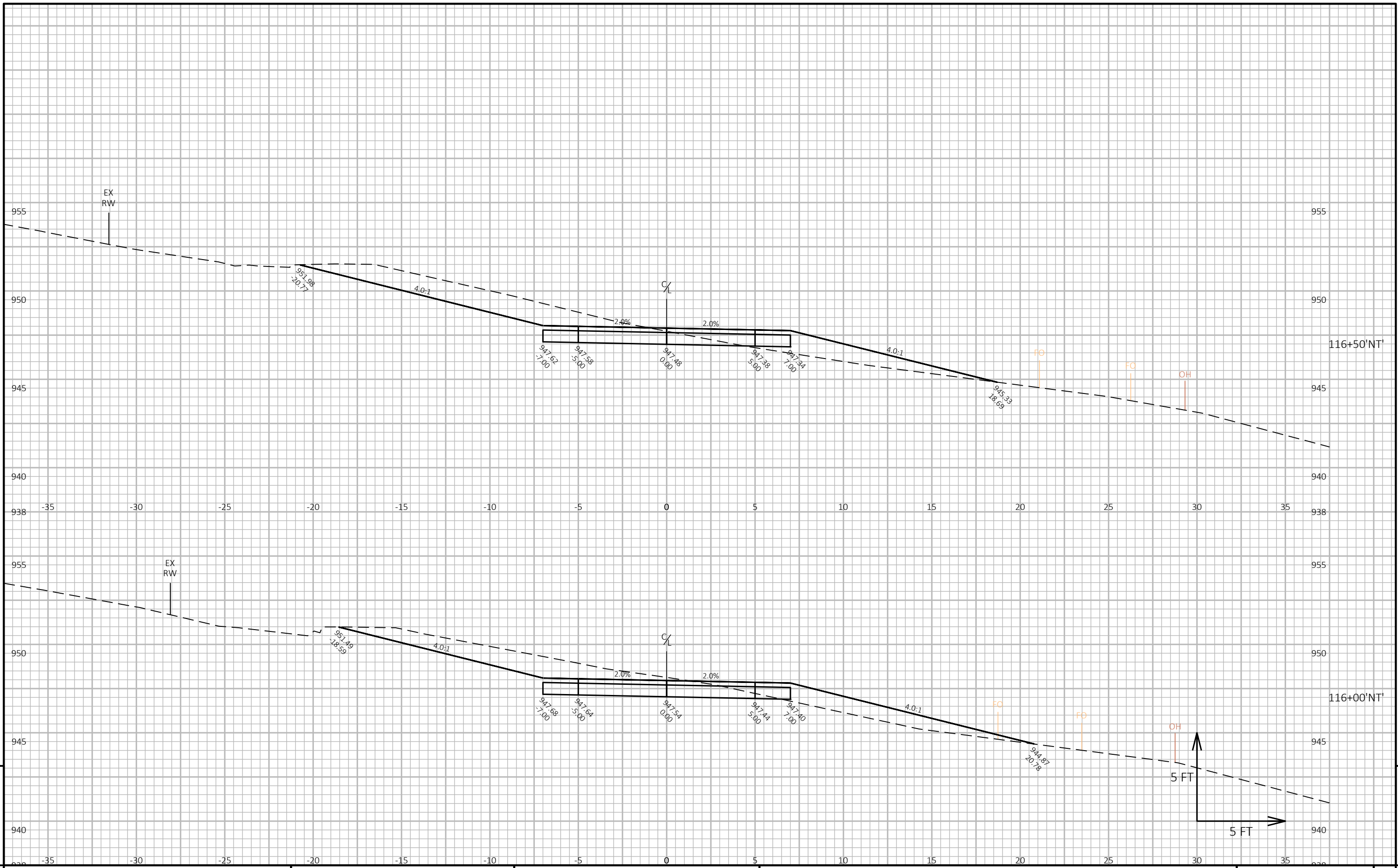
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PROJECT NO: 5992-11-11      HWY: NON HWY      COUNTY: DANE      CROSS SECTIONS: NORTH TRAIL      SHEET      E

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LAYOUT NAME - 11

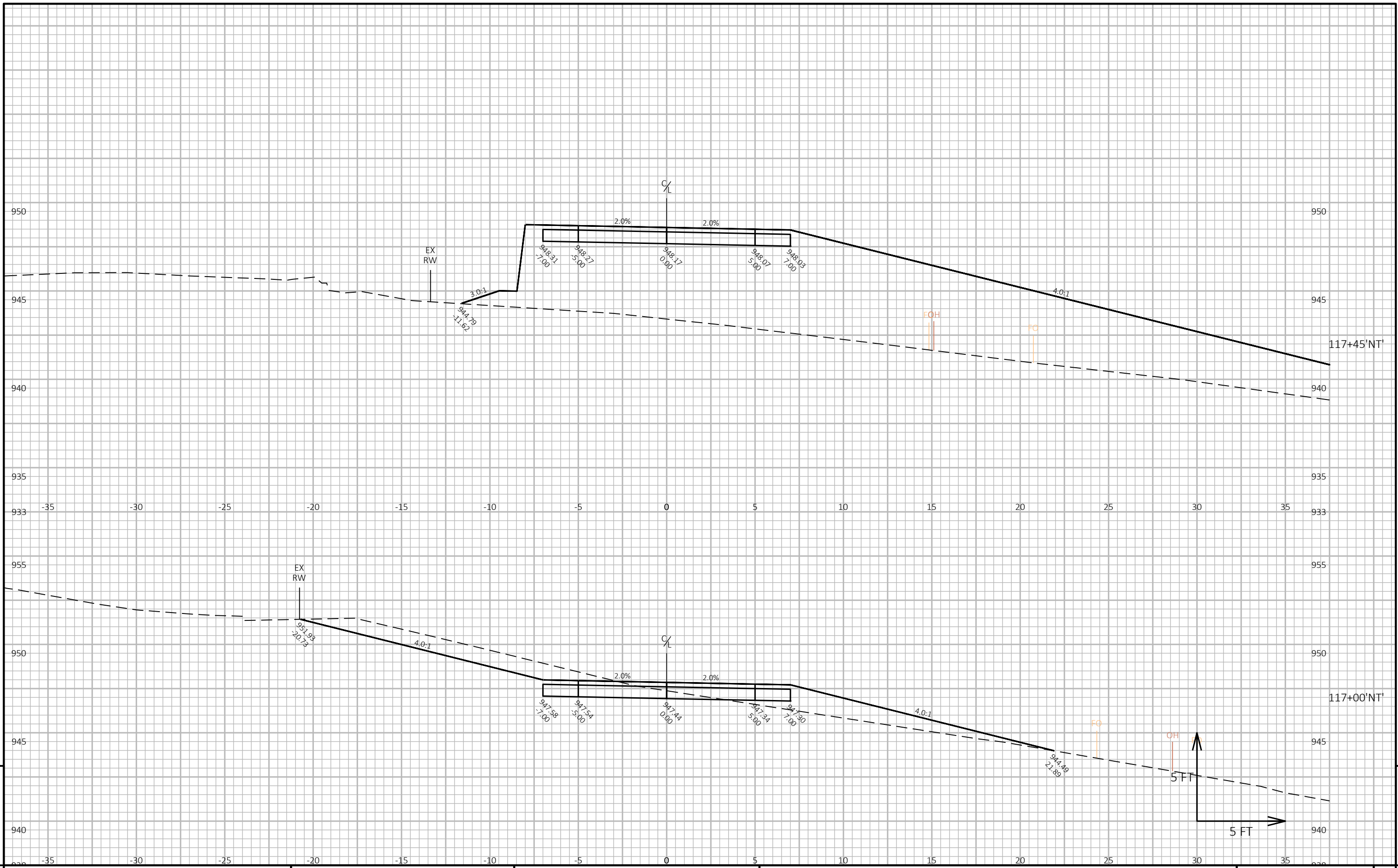


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PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	CROSS SECTIONS: NORTH TRAIL	SHEET	E
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FILE NAME : P:\KO\M\MADIS\151768\C3D\MADIS 151768\SHEETSPLAN\SEC 09 B CROSS SECTIONS\090102\_X5 - NORTH TRAIL.DWG  
 PLOT DATE : 4/11/2023 4:27 PM  
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 PLOT NAME :  
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 WISDOT/CADD SHEET 49



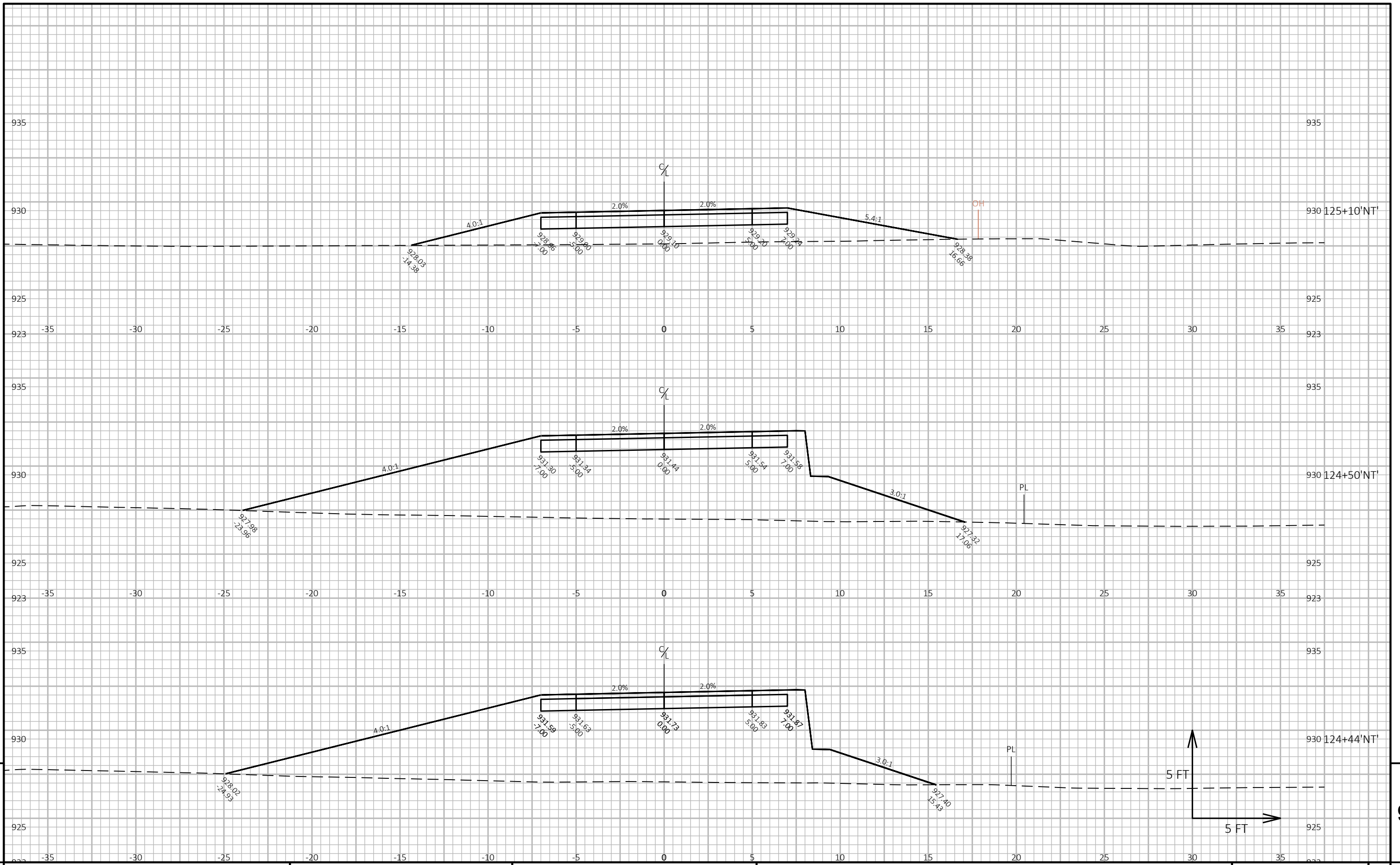
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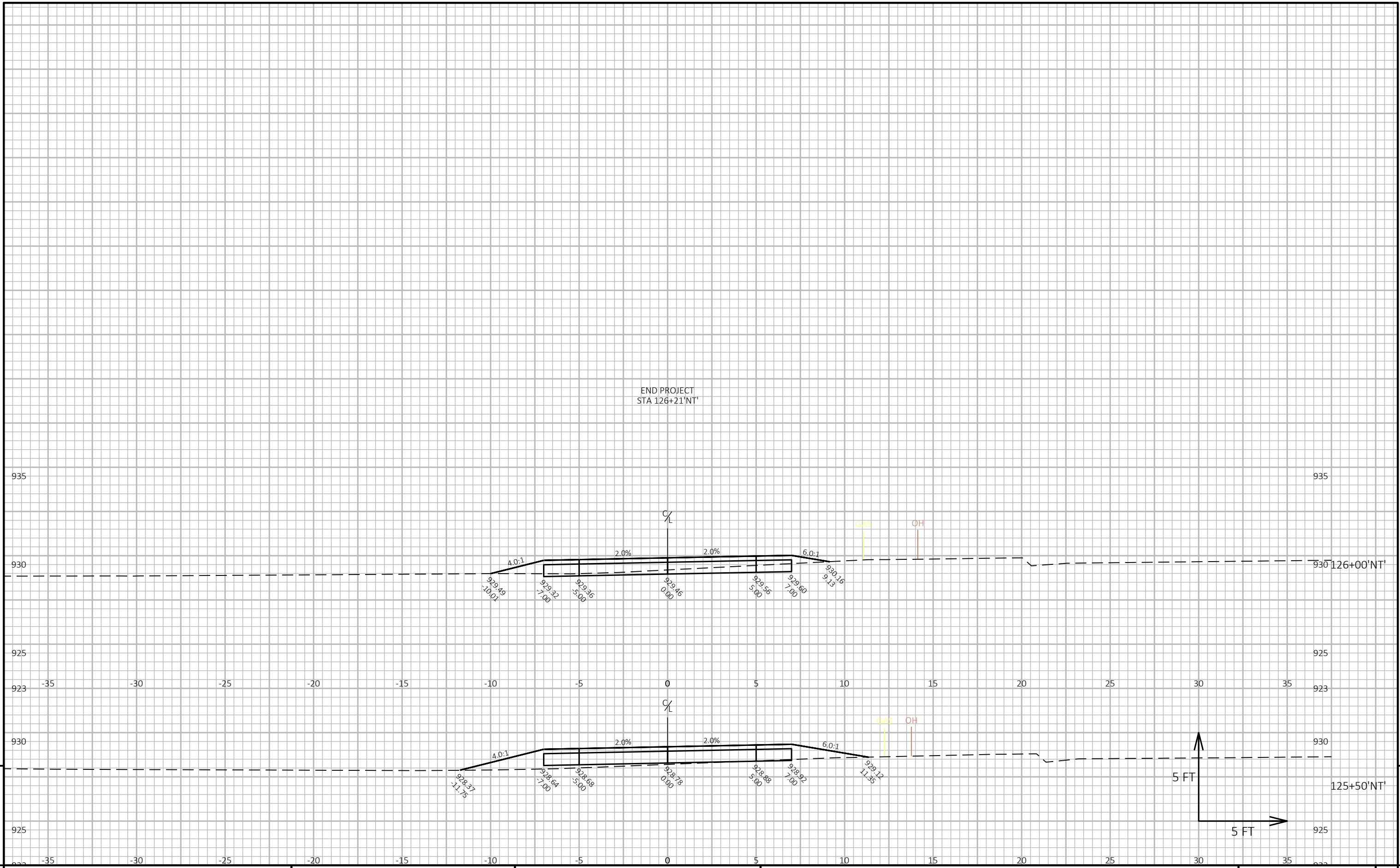
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LAYOUT NAME - 13



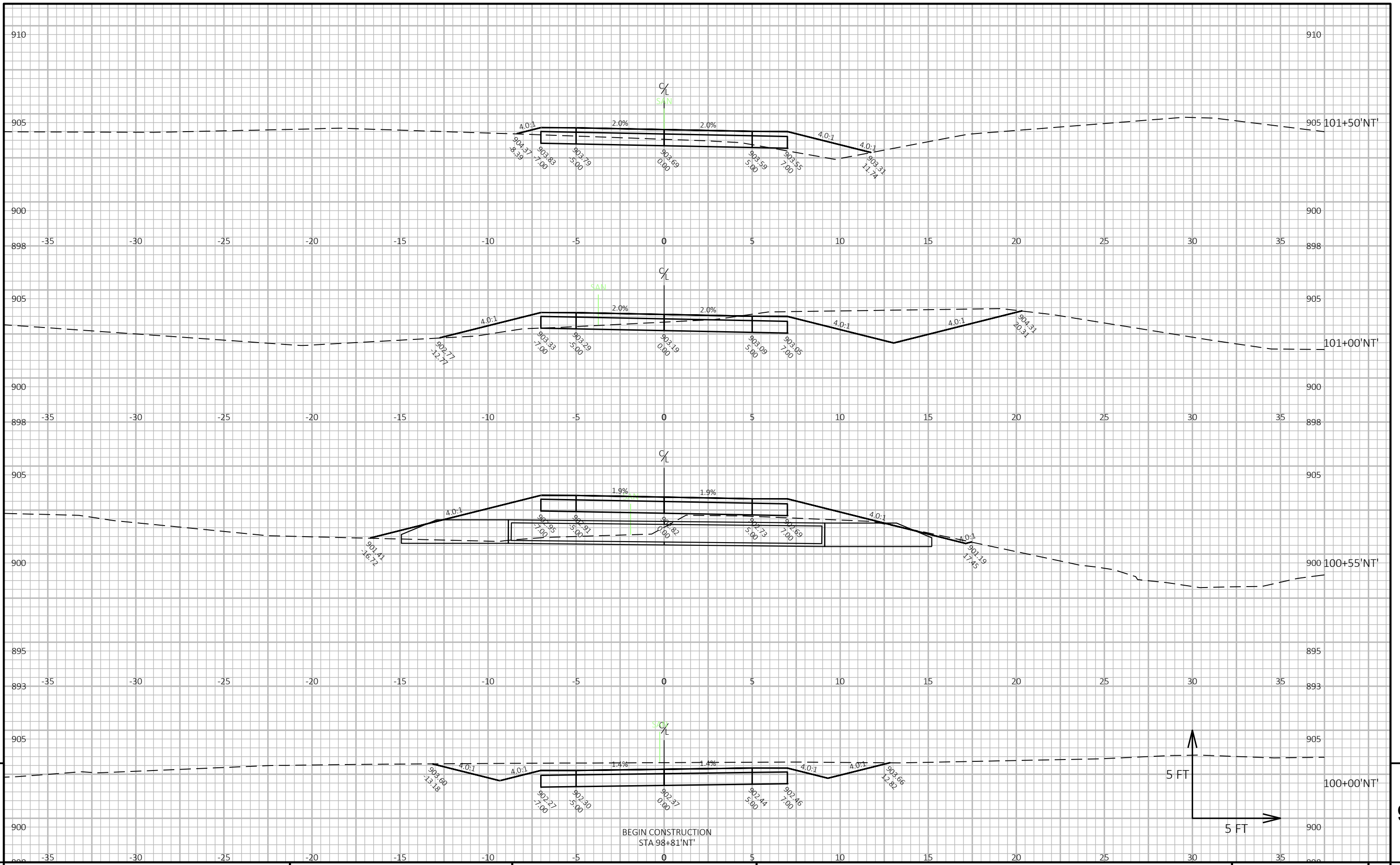
PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	CROSS SECTIONS: NORTH TRAIL	SHEET 9
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9

9

PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	CROSS SECTIONS: NORTH TRAIL	SHEET	E
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PROJECT NO: 5992-11-11	HWY: NON HWY	COUNTY: DANE	CROSS SECTIONS: NORTH TRAIL	SHEET	9
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