MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

PLAN AND PROFILE OF

DIVISION STREET

(BRIDGE NO. G-11-002 (04F))

IN THE TOWN OF

GREAT BARRINGTON

THESE PLANS ARE SUPPLEMENTED BY THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK.

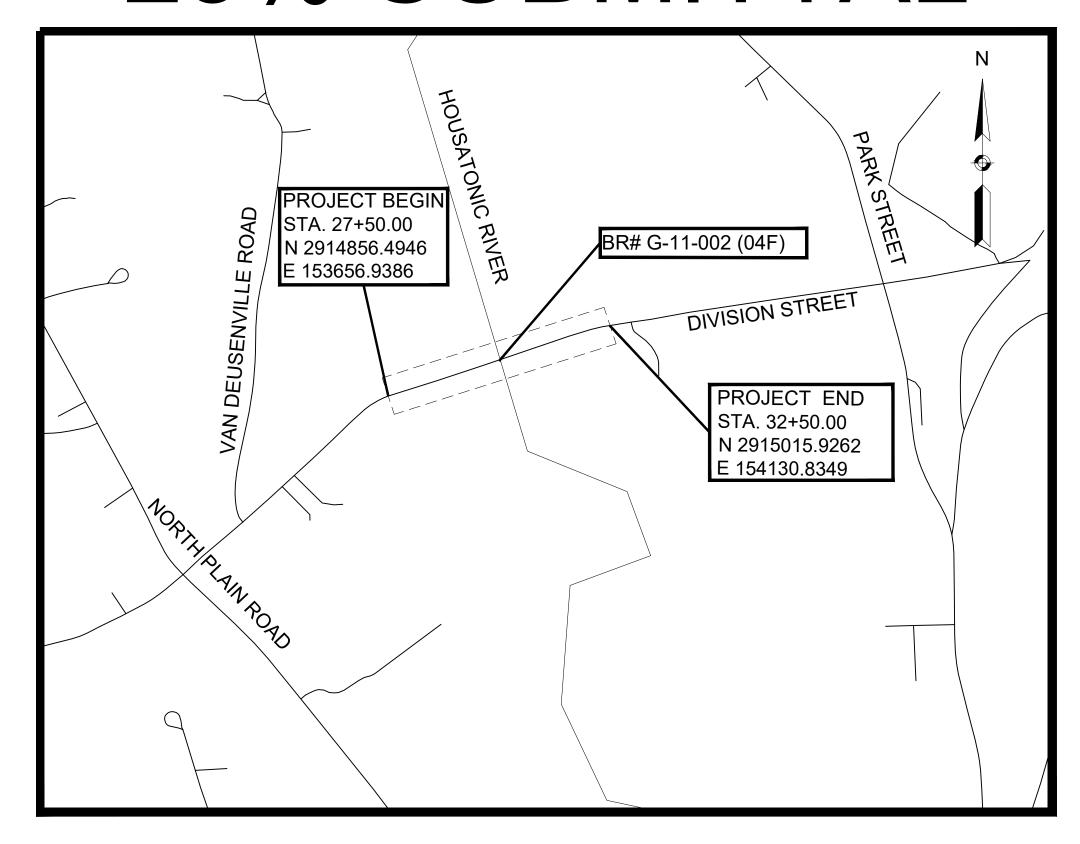
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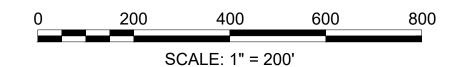
SHEET NO.	DESCRIPTION					
1	TITLE SHEET & INDEX					
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5	CONSTRUCTION PLAN					
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16-22	CROSS SECTIONS					

SHEETS TO BE INCLUDED IN THE 75% DESIGN SUBMISSION:
BORING LOGS
CURB TIE PLANS
CONSTRUCTION DETAILS
WHEELCHAIR RAMP DETAILS
DRIVEWAY DETAILS

25% SUBMITTAL

FEDERAL AID PROJECT NO.





LENGTH OF PROJECT = 500.00 FEET = 0.095 MILES

DESIGN DESIGNATION (DIVISION STREET)

DESIGN SPEED

ADT (2024)

ADT (2044)

K

D

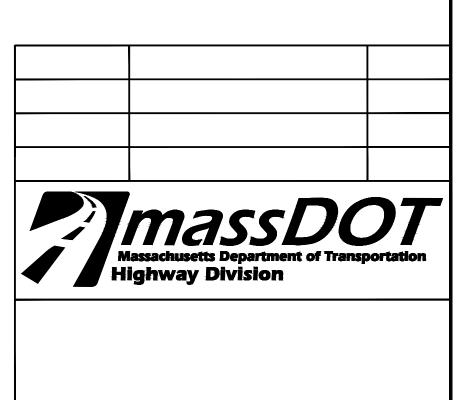
T (PEAK HOUR)

T (AVERAGE DAY)

DHV

DDHV

FUNCTIONAL CLASSIFICATION



PREPARED BY:



GENERAL S	SYMBOLS		TRAFFIC SY	MPOLS		ABBREV	/IATIONS
EXISTING	PROPOSED	DESCRIPTION	IRAFFIC ST	WIDOLS		GENERAL	
☐ JB	JB	JERSEY BARRIER	EXISTING	PROPOSED	DESCRIPTION	AADT	ANNUAL AVERAGE DAILY TRAFFIC
Ш ⊕ Д СВ	Ш СВ	CATCH BASIN	Ø 1	Ø 1	CONTROLLER PHASE ACTUATED	ABAN	ABANDON
		CATCH BASIN CURB INLET	[6]			ADJ APPROX.	ADJUST APPROXIMATE
♥ FP GI GP	♦ FP G GP	FLAG POLE GAS PUMP			TRAFFIC SIGNAL HEAD (SIZE AS NOTED)	A.C.	ASPHALT CONCRETE
□ MB	□ MB	MAIL BOX	<u>9</u>		WIRE LOOP DETECTOR (6' x 6' TYP UNLESS OTHERWISE SPECIFIED)	ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE
		POST SQUARE	<u></u>		· ·	BIT. BC	BITUMINOUS BOTTOM OF CURB
○ ⊕ WELL	○ ⊕ WELL	POST CIRCULAR WELL	77	7	VIDEO DETECTION CAMERA	BD.	BOUND
- EHH	● WELL	ELECTRIC HANDHOLE	D	>	MICROWAVE DETECTOR	BL	BASELINE
\circ	0	FENCE GATE POST	\oplus	•	PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE	BLDG BM	BUILDING BENCHMARK
O GG ◆ BHL #	O GG	GAS GATE	*	*	EMERGENCY PREEMPTION CONFIRMATION STROBE LIGHT	BO	BY OTHERS
→ MW #	◆ BHL # ◆ MW #	BORING HOLE MONITORING WELL		◀—	VEHICULAR SIGNAL HEAD	BOS	BOTTOM OF SLOPE
■ TP #	■ TP#	TEST PIT	<<	←	VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED	BR. CB	BRIDGE CATCH BASIN
φ.	Ф V	HYDRANT	←		FLASHING BEACON	CBCI	CATCH BASIN WITH CURB INLET
□ CO.BD.	*	LIGHT POLE COUNTY BOUND	□		PEDESTRIAN SIGNAL HEAD, (TYPE AS NOTED OR AS SPECIFIED)	CC	CEMENT CONCRETE
© <u>&</u>		GPS POINT	□ RRSG	⊠ RRSG	RAILROAD SIGNAL	CCM	CEMENT CONCRETE MASONRY
©	©	CABLE MANHOLE	-Q- OR O	•	SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)	CEM CI	CEMENT CURB INLET
(D)	(D)	DRAINAGE MANHOLE ELECTRIC MANHOLE	·	20'	MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)	CIP	CAST IRON PIPE
(G)	©	GAS MANHOLE		•		CLF	CHAIN LINK FENCE
M	<u>@</u>	MISC MANHOLE			HIGH MAST POLE OR TOWER	CL CMP	CENTERLINE CORRUGATED METAL PIPE
(\$)	<u>\$</u>	SEWER MANHOLE		-	SIGN AND POST (2 POSTS)	CSP	CORRUGATED METALT II E
(T) (W)	(T) (W)	TELEPHONE MANHOLE WATER MANHOLE	00	O O	SIGN AND POST (2 POSTS)	CO.	COUNTY
■ MHB	■ MHB	MASSACHUSETTS HIGHWAY BOUND		★ ^{20′} •	MAST ARM WITH LUMINAIRE	CONC CONT	CONCRETE CONTINUOUS
- MON		MONUMENT		_	OPTICAL PRE-EMPTION DETECTOR	CONT	CONTINUOUS CONSTRUCTION
□ SB ■ TB		STONE BOUND TOWN OR CITY BOUND		\bowtie	CONTROL CABINET, GROUND MOUNTED	CR GR	CROWN GRADE
■ 1B A		TRAVERSE OR TRIANGULATION STATION			CONTROL CABINET, POLE MOUNTED	DHV	DESIGN HOURLY VOLUME
⊸ TPL or GUY	→ TPL or GUY	TROLLEY POLE OR GUY POLE			FLASHING BEACON CONTROL AND METER PEDESTAL	DI DIA	DROP INLET DIAMETER
o HTP		TRANSMISSION POLE		\bowtie	LOAD CENTER ASSEMBLY	DIP	DUCTILE IRON PIPE
-∳- UFB -∳- UPDL	-&- UFB -&- UPDL	UTILITY POLE W/ FIREBOX UTILITY POLE WITH DOUBLE LIGHT			PULL BOX 12"x12" (OR AS NOTED)	DW	STEADY DON'T WALK - PORTLAND ORANGE
-6- ULT	-&- ULT	UTILITY POLE W / 1 LIGHT			ELECTRIC HANDHOLE 12"x24" (OR AS NOTED)	DWY ELEV (or EL.)	DRIVEWAY ELEVATION
-0- UPL	-⊶ UPL	UTILITY POLE			= TRAFFIC SIGNAL CONDUIT	EMB	EMBANKMENT
•SIZE & TYPE		BUSH TREE			- TRAFFIC SIGNAL CONDUIT	EOP	EDGE OF PAVEMENT
0		STUMP				EXIST (or EX) EXC	EXISTING EXCAVATION
4		SWAMP / MARSH				F&C	FRAME AND COVER
• WG • PM	• WG	WATER GATE				F&G	FRAME AND GRATE
— — — —	• PM	PARKING METER — OVERHEAD CABLE/WIRE				FDN. FLDSTN	FOUNDATION FIELDSTONE
		- CURBING				GAR	GARAGE
		— CONTOURS (ON-THE-GROUND SURVEY DATA)				GD	GROUND
		— CONTOURS (PHOTOGRAMMETRIC DATA) — UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)				GG GI	GAS GATE GUTTER INLET
		— UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)	PAVEMENT	MARKINGS S	YMBOLS	GIP	GALVANIZED IRON PIPE
		— UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)	EXISTING	PROPOSED	DESCRIPTION	GRAN	GRANITE
		 UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) 		4	PAVEMENT ARROW - WHITE	GRAV GRD	GRAVEL GUARD
		— UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)	ONLY	ONLY	LEGEND "ONLY" - WHITE	HDW	HEADWALL
000000000000000000000000000000000000000		> BALANCED STONE WALL	VIILI	VIILI SL	STOP LINE - 12"	НМА	HOT MIX ASPHALT
		— GUARD RAIL - STEEL POSTS — GUARD RAIL - WOOD POSTS			CROSSWALK	HOR	HORIZONTAL HYDRANT
<u> </u>		— GUARD RAIL - WOOD POSTS — GUARD RAIL - DOUBLE FACE - STEEL POSTS		<u> </u> SWL		HYD INV	INVERT
8 8 8 8	8 8 8 8	— GUARD RAIL - DOUBLE FACE - WOOD POSTS			SOLID WHITE LINE - 6"	JCT	JUNCTION
x		— CHAIN LINK OR METAL FENCE — WOOD FENCE		SYL	SOLID YELLOW LINE - 6"	L	LENGTH OF CURVE
		— WOOD FENCE ↑· SEDIMENT CONTROL BARRIER		BWL	·	LB LP	LEACH BASIN LIGHT POLE
		TREE LINE		BYL		LT	LEFT
		— SAWCUT LINE — TOP OR POTTOM OF SLOPE		<u>DWL</u>	DOTTED WHITE LINE - 6" (3' LINE SEGMENT, 9' GAP)	MAX	MAXIMUM MAIL BOX
		 TOP OR BOTTOM OF SLOPE LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY 		<u>DYL</u>	DOTTED YELLOW LINE - 6" (3' LINE SEGMENT, 9' GAP)	MB MH	MAILBOX MANHOLE
		BANK OF RIVER OR STREAM		<u>DWLEx</u>	DOTTED WHITE LINE EXTENSION - 6" (2' LINE SEGMENT, 6' GAP)	MHB	MASSACHUSETTS HIGHWAY BOUND
		BORDER OF WETLAND		DYLEx	DOTTED YELLOW LINE EXTENSION - 6" (2' LINE SEGMENT, 6' GAP)	MIN	MINIMUM NOT IN CONTRACT
		100 FT WETLAND BUFFER 200 FT RIVERFRONT BUFFER		DBWL	DOUBLE WHITE LINE - 6"	NIC NO.	NOT IN CONTRACT NUMBER
	-	— STATE HIGHWAY LAYOUT		DBYL	DOUBLE YELLOW LINE - 6"	PC	POINT OF CURVATURE
		— TOWN OR CITY LAYOUT				PCR	PEDESTRIAN CURB RAMP
		— COUNTY LAYOUT — RAILROAD SIDELINE				PCC P.G.L.	POINT OF COMPOUND CURVATURE PROFILE GRADE LINE
		TOWN OR CITY BOUNDARY LINE				PI	POINT OF INTERSECTION
P		PROPERTY LINE OR APPROXIMATE PROPERTY LINE				POC	POINT ON CURVE
		— EASEMENT				POT PRC	POINT ON TANGENT POINT OF REVERSE CURVATURE
						PROJ	PROJECT
						PROP	PROPOSED
						PSB pt	PLANTABLE SOIL BORROW
						PT PVC	POINT OF TANGENCY POINT OF VERTICAL CURVATURE
						PVI	POINT OF VERTICAL INTERSECTION
						PVT	POINT OF VERTICAL TANGENCY
						PVMT	PAVEMENT

GENERAL NOTES

- 1. THE CONTRACTOR SHALL RETAIN ALL CURBS, FENCES, WALLS, TREES, SHRUBS, POSTS, LANDSCAPE FEATURES, AND OTHER MISCELLANEOUS ITEMS WITHIN ABUTTING PROPERTIES, UNLESS OTHERWISE NOTED. WHEN RETAINING THOSE ITEMS IS NOT PRACTICAL IN THE OPINION OF THE ENGINEER, THE CONTRACTOR SHALL REMOVE, STOCKPILE, PROTECT AND RESET THE ITEMS. THE CONTRACTOR SHALL REPLACE ITEMS DAMAGED DURING REMOVAL, STOCKPILING, OR RESETTING DUE TO NEGLIGENCE, CARELESSNESS, OR MISHANDLING WITH EQUIVALENT NEW ITEMS AT NO COST TO THE OWNER. ITEMS NOTED AS TO BE REMOVED AND STACKED SHALL BE COORDINATED WITH THE RESPECTIVE OWNER.
- 2. ALL TREES WITHIN THE SLOPE LIMIT SHALL BE RETAINED AND PROTECTED UNLESS OTHERWISE NOTED.
- 3. CONTRACTOR SHALL PROTECT ALL PROPERTY MARKERS OF ABUTTERS.
- 4. TREATMENT OF SLOPE AREAS SHALL BE REPLACED IN KIND UNLESS OTHERWISE NOTED.
- 5. SITE FEATURES OUTSIDE PROPOSED SAWCUT LINES AND PROPOSED LIMITS OF WORK SHALL BE RETAINED UNLESS OTHERWISE NOTED. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- 6. THE TERM "PROPOSED" MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS. RE-USE OF EXISTING MATERIALS IS IDENTIFIED AS "REMOVE AND RESET" (R&R).
- 7. THE CONTRACTOR SHALL REUSE EXISTING MATERIALS IDENTIFIED AS R&R UNLESS THEY ARE DEEMED UNSUITABLE BY THE ENGINEER.
- 8. EXISTING GRAVEL BORROW DETERMINED TO BE SUITABLE BY THE ENGINEER AND MEETING THE REQUIREMENTS OF THE SPECIFICATIONS SHALL REMAIN.
- 9. CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITY SERVICES THROUGHOUT CONSTRUCTION.
- 10. TRAFFIC SIGNAL EQUIPMENT IS TO BE REMOVED AND DELIVERED BY CONTRACTOR TO THE DISTRICT MAINTENANCE DEPOT.
- 11. SURVEY CONTROL, AERIAL PHOTOGRAMMETRY AND TOPOGRAPHICAL SURVEY WAS PERFORMED BY THE WSP ON JANUARY 2021 THROUGH APRIL 2022. ADDITIONAL SURVEY PERFORMED BY GREEN INTERNATIONAL AFFILIATES, INC. ON MARCH 3, 2023.

UTILITY NOTES:

- 1. RECORD UTILITY INFORMATION FROM THE VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES ARE APPROXIMATE ONLY AND ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD. THE CONTRACTOR SHALL CALL "DIG SAFE" (1-888-344-7233) 72 HOURS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO ANY EXCAVATION TO OBTAIN ACCURATE UTILITY LOCATIONS.
- 2. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE MUST BE NOTIFIED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN, (SEE CHAPTER 370, ACTS OF 1963, MASSACHUSETTS) PRIOR TO DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORING OR REPAVING.
- 3. EXISTING UNDERGROUND DRAINAGE HAVE BEEN PLOTTED TO MEET UTILITY QUALITY LEVEL "D" AS DESCRIBED IN ASCE STANDARD 38-02 AND SUMMARIZED ON THIS SHEET. UNDERGROUND DRAINAGE IS SHOWN IN APPROXIMATE LOCATIONS BASED ON ABOVE-GROUND FIELD OBSERVATION AND EXISTING RECORD INFORMATION RECEIVED FROM UTILITY STAKE-HOLDERS.
- 4. INVERTS SHOWN ON PLAN ARE NOT GUARANTEED TO BE ACCURATE. DUE TO THE LIMITATIONS OF FIELD OBSERVATION AND SURVEY TECHNIQUES THE INVERTS ARE SHOWN AS APPROXIMATE ONLY AND SHALL NOT BE WARRANTED TO BE CORRECT. ADDITIONAL FIELD INVESTIGATION IS NECESSARY WHERE ACCURATE MEASUREMENTS ARE REQUIRED FOR DESIGN OF CRITICAL AREAS.
- 5. WHERE AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED WORK, THE CONTRACTOR SHALL ACCURATELY DETERMINE THE LOCATION, ELEVATION AND SIZE OF THE UTILITY AND FURNISH THE INFORMATION TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- 6. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE AT ALL TIMES UNLESS NOTED ON THE PLANS OR APPROVED BY THE ENGINEER.
- 7. IF THE CONTRACTOR DAMAGES ANY UTILITY SYSTEM, HE OR SHE SHALL IMMEDIATELY NOTIFY THE RESPECTIVE UTILITY COMPANY AND SHALL REPAIR/REPLACE THE AFFECTED SYSTEM AT HIS OR HER OWN EXPENSE.
- 8. THE CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES AND MAKE ARRANGEMENTS FOR ADJUSTMENTS, ALTERATIONS AND REPLACEMENT OF PRIVATE UTILITIES.
- 9. THE EXISTING CONDITIONS PLAN IS TO BE USED FOR THE SPECIFIED PROJECT ONLY AND IS NOT WARRANTED TO BE COMPLETE FOR ANY OTHER FUTURE PROJECTS.

SUMMARY OF UTILITY MAPPING QUALITY LEVELS:

THE FOLLOWING IS A SUMMARY OF THE SURVEY MAPPING LEVELS FOR UTILITIES AS DESCRIBED IN ASCE STANDARD 38-02, "STANDARD GUIDELINE FOR THE DEPICTION OF EXISTING SUBSURFACE UTILITY DATA". THESE GUIDELINES ARE MORE FULLY DESCRIBED IN THE ASCE STANDARD.

UTILITY QUALITY LEVEL A:

PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT IS TYPICALLY USED TO MINIMIZE THE POTENTIAL FOR UTILITY DAMAGE. A PRECISE HORIZONTAL AND VERTICAL LOCATION, AS WELL AS OTHER UTILITY ATTRIBUTES, IS SHOWN ON PLAN DOCUMENTS. ACCURACY IS TYPICALLY SET TO 15-MM VERTICAL AND TO APPLICABLE HORIZONTAL SURVEY AND MAPPING ACCURACY AS DEFINED OR EXPECTED BY THE PROJECT OWNER.

UTILITY QUALITY LEVEL B:

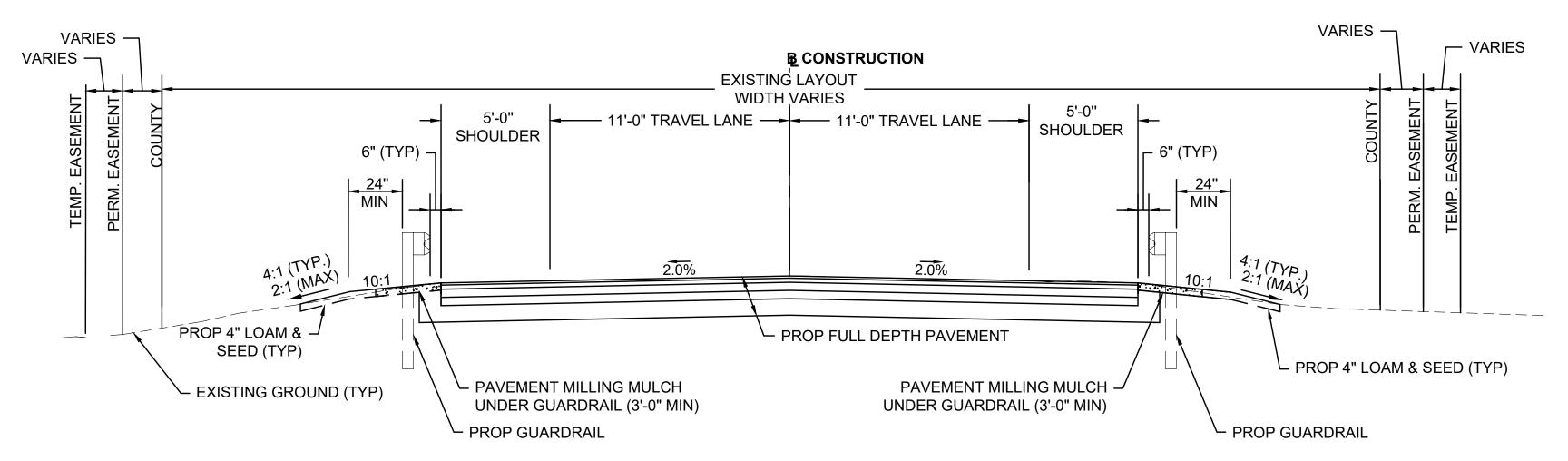
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

UTILITY QUALITY LEVEL C:

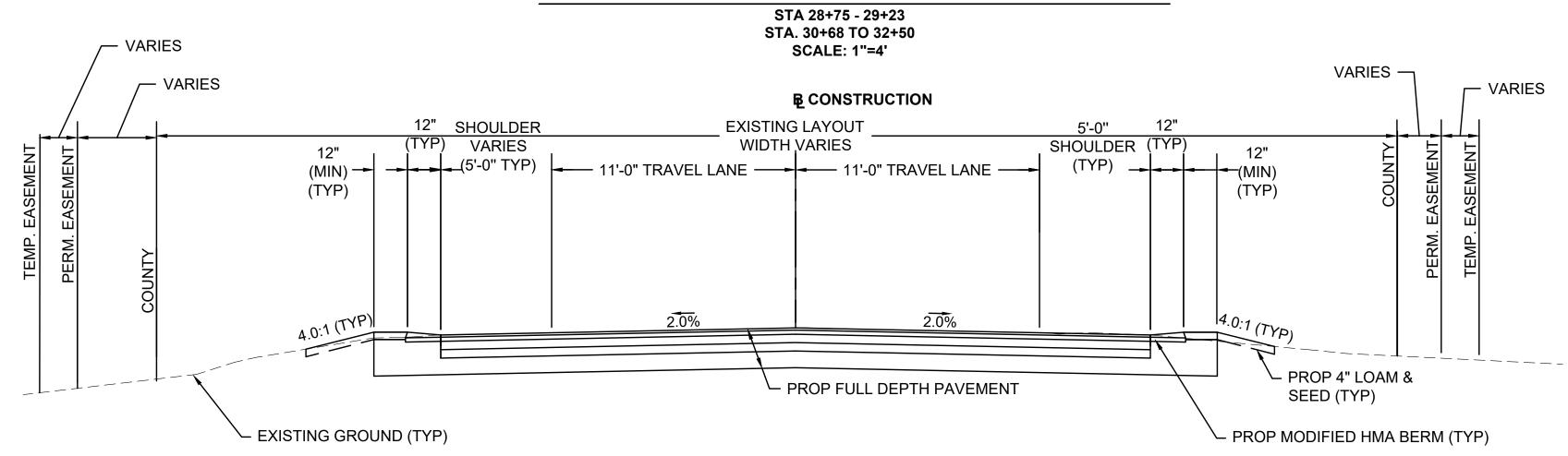
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

UTILITY QUALITY LEVEL D:

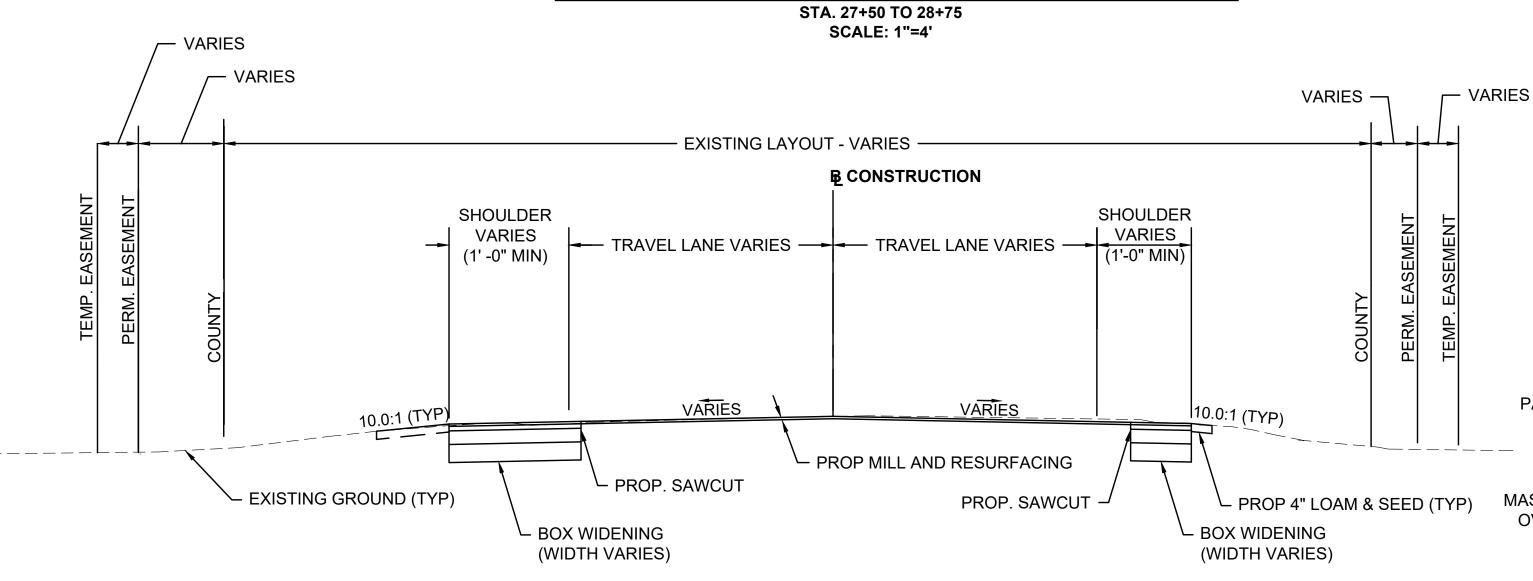
INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.



DIVISION STREET - FULL DEPTH RECONSTRUCTION



DIVISION STREET - FULL DEPTH RECONSTRUCTION



6" (TYP)
PROPOSED GUARDRAIL,
TL-2 (SINGLE FACED)
EXISTING GROUND
SHO

1'-0" STONE FOR SLOPE STABILIZATION MEETING MASSDOT MODIFIED ROCKFILL SPEC. SECTION M2.02.4
OVER 6" OF 3/4" CRUSHED STONE OVER GEOTEXTILE
FABRIC FOR SEPARATION

GUARDRAIL (3'-0" MIN)

PAVEMENT MILLING MULCH UNDER

*GUARDRAIL WITH MODIFIED ROCKFILL

STA. 28+93 TO 29+23 LT STA. 28+96 TO 29+23 RT STA. 30+68 TO 31+00 LT STA. 30+68 TO 31+00 RT SCALE: 1"=4'

PAVEMENT NOTES

PROPOSED FULL DEPTH PAVEMENT

SURFACE COURSE: 1.5" SUPERPAVE BRIDGE SURFACE COURSE 9.5 (SSC-B-9.5) OVER

ASPHALT EMULSION FOR TACK COAT OVER

INTERMEDIATE COURSE: 2" SUPERPAVE INTERMEDIATE COURSE 12.5 (SIC-12.5) OVER

ASPHALT EMULSION FOR TACK COAT OVER

BASE COURSE: 4" SUPERPAVE BASE COURSE 37.5 (SBC-37.5) PLACED IN ONE COURSE

SUBBASE COURSE: 4" DENSE GRADED CRUSHED STONE FOR SUBBASE (COMPACTED) OVER

8" GRAVEL BORROW (TYPE B) (COMPACTED)

PROPOSED BOX WIDENING LESS THAN 4 FEET

SURFACE COURSE: 1.5" SUPERPAVE BRIDGE SURFACE COURSE 9.5 (SSC-B-9.5) OVER

ASPHALT EMULSION FOR TACK COAT OVER

INTERMEDIATE COURSE: 2" SUPERPAVE INTERMEDIATE COURSE 12.5 (SIC-12.5) OVER
ASPHALT EMULSION FOR TACK COAT OVER

BASE COURSE: 6" HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE OVER

SUBBASE COURSE: 8" GRAVEL BORROW (TYPE B) (COMPACTED)

PROPOSED BRIDGE PAVEMENT

SURFACE COURSE: 1.5" SUPERPAVE BRIDGE SURFACE COURSE 9.5 (SSC-B-9.5) OVER

ASPHALT EMULSION FOR TACK COAT OVER

1.5" SUPERPAVE BRIDGE PROTECTIVE COURSE 9.5 (SPC-B-9.5)

PROPOSED PAVEMENT FINE MILLING & RESURFACING

SURFACE COURSE: 1.5" SUPERPAVE BRIDGE SURFACE COURSE 9.5 (SSC-B-9.5) OVER

ASPHALT EMULSION FOR TACK COAT OVER

MILLED SURFACE

MILLING COURSE: 1.5" PAVEMENT FINE MILLING

PROPOSED HMA DRIVEWAY

SURFACE COURSE: 1.5" SURFACE COURSE OVER

INTERMEDIATE COURSE: 2.5" INTERMEDIATE COURSE

SUBBASE COURSE: 8" GRAVEL BORROW (TYPE B)

SHOULDER VARIES

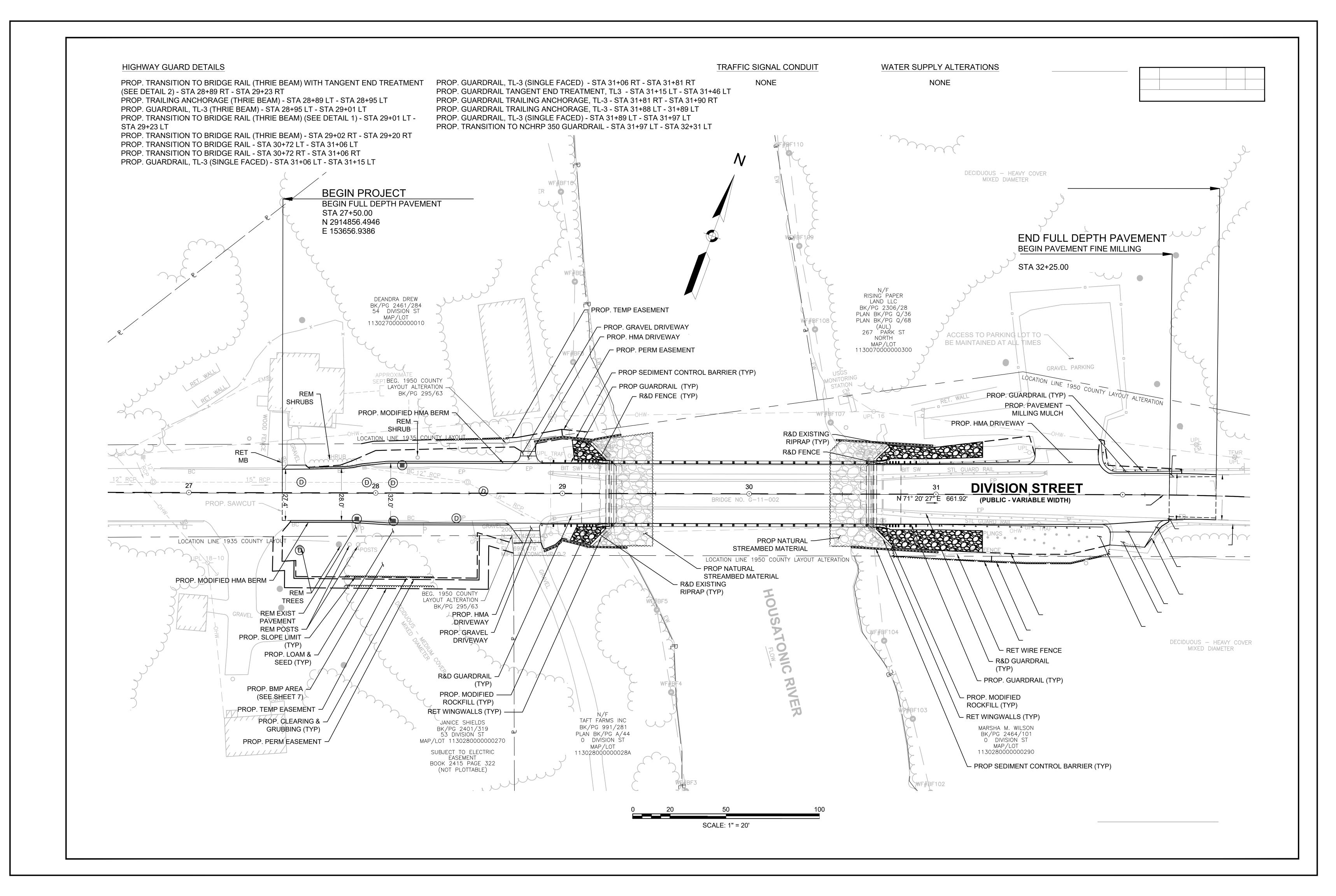
BERM (TYP)

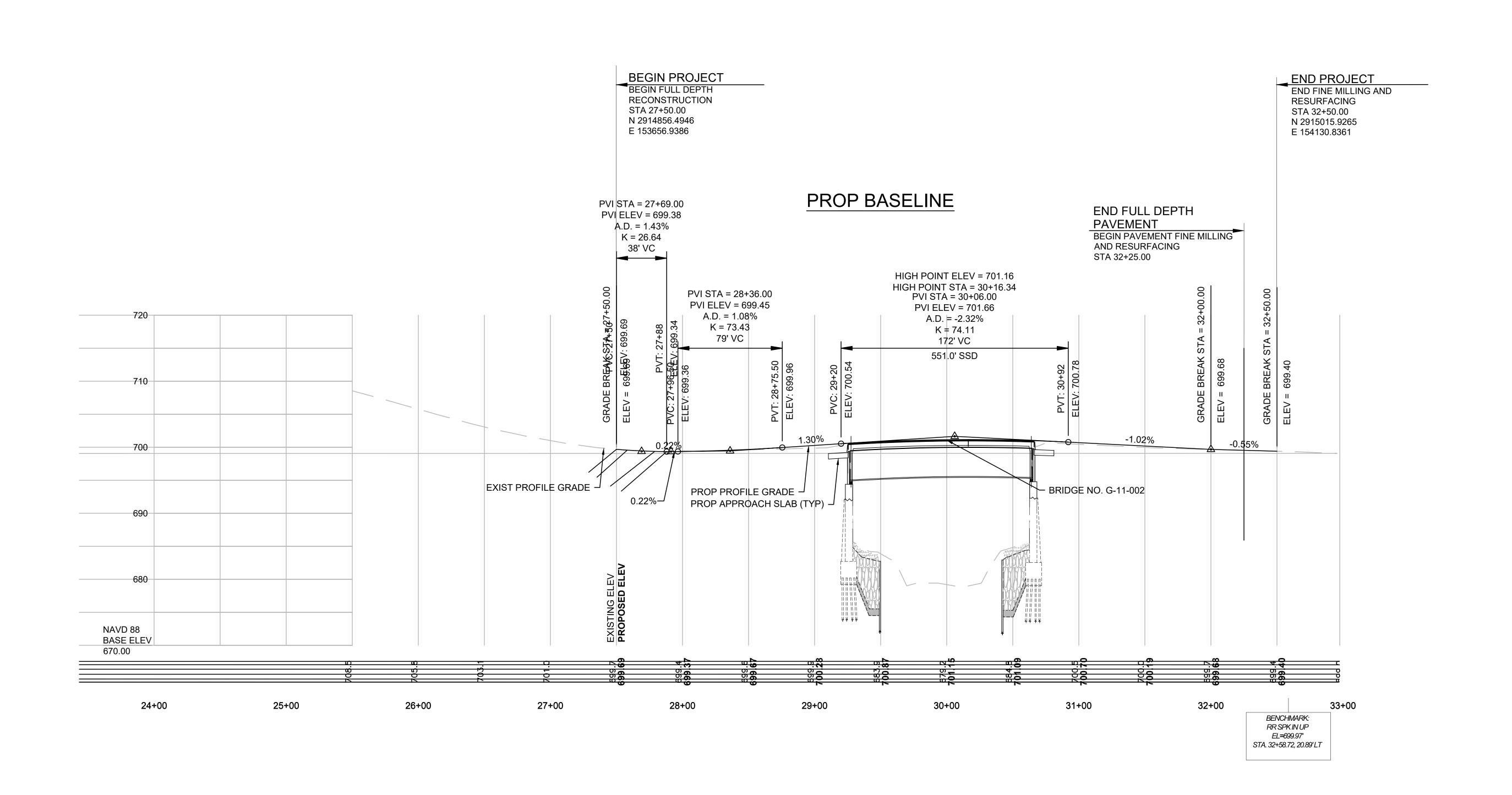
SUBBASE (TYP)

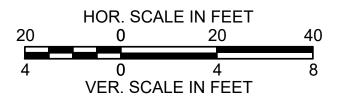
PROP MODIFIED HMA

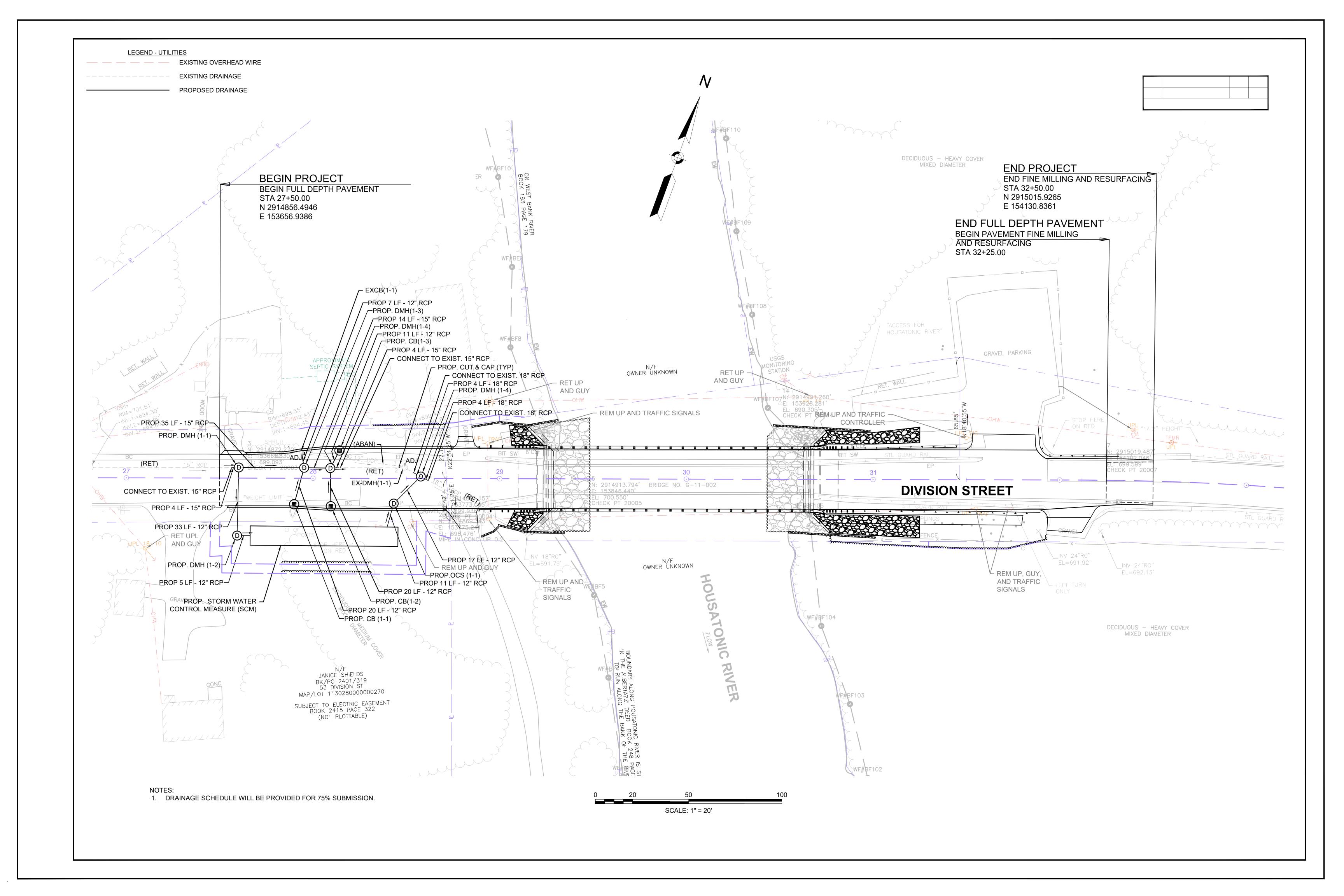
**MODIFIED HMA BERM - TYPE A

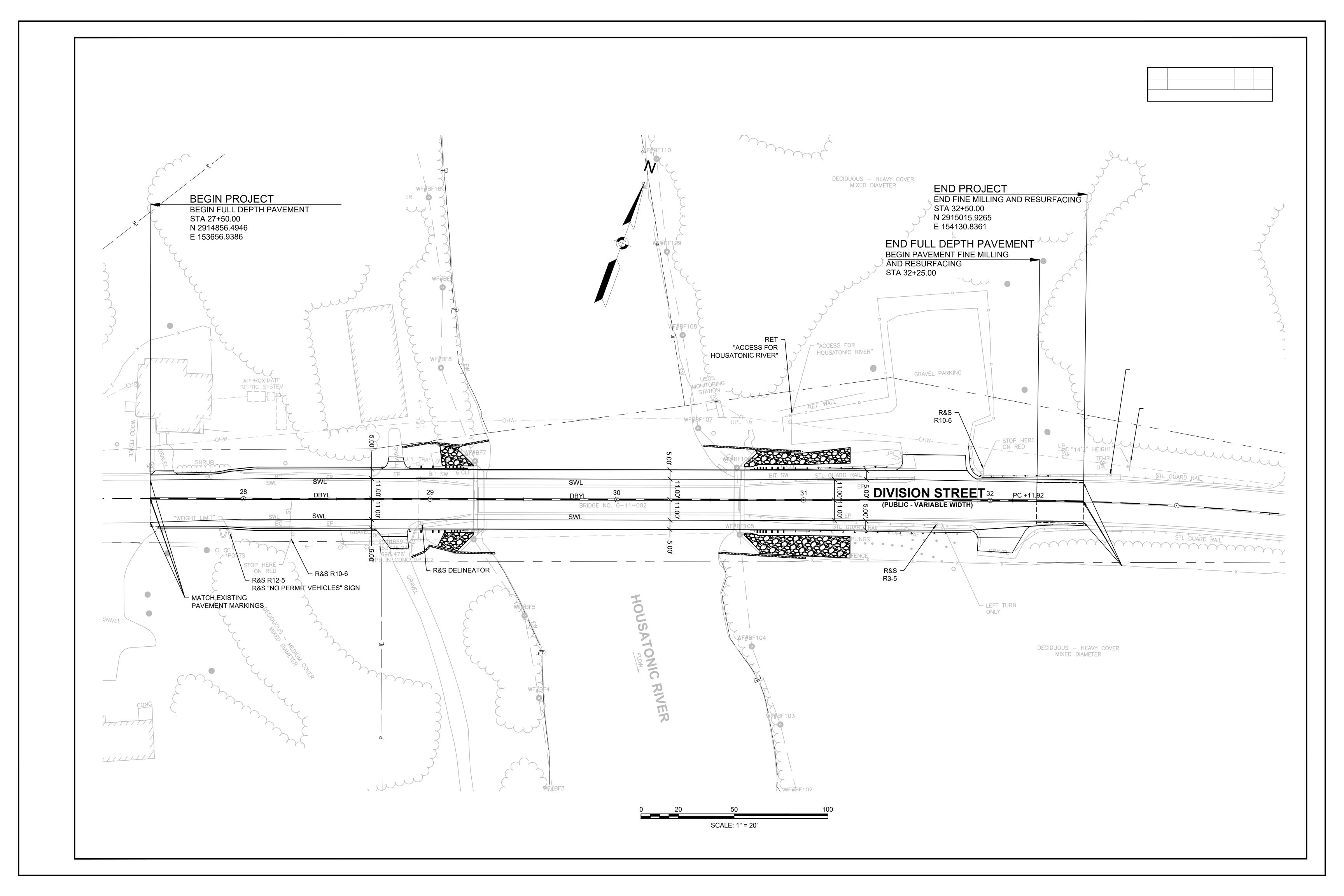
DIVISION STREET - MILL AND RESURFACING STA. 32+25 TO 32+50 SCALE: 1"=4"

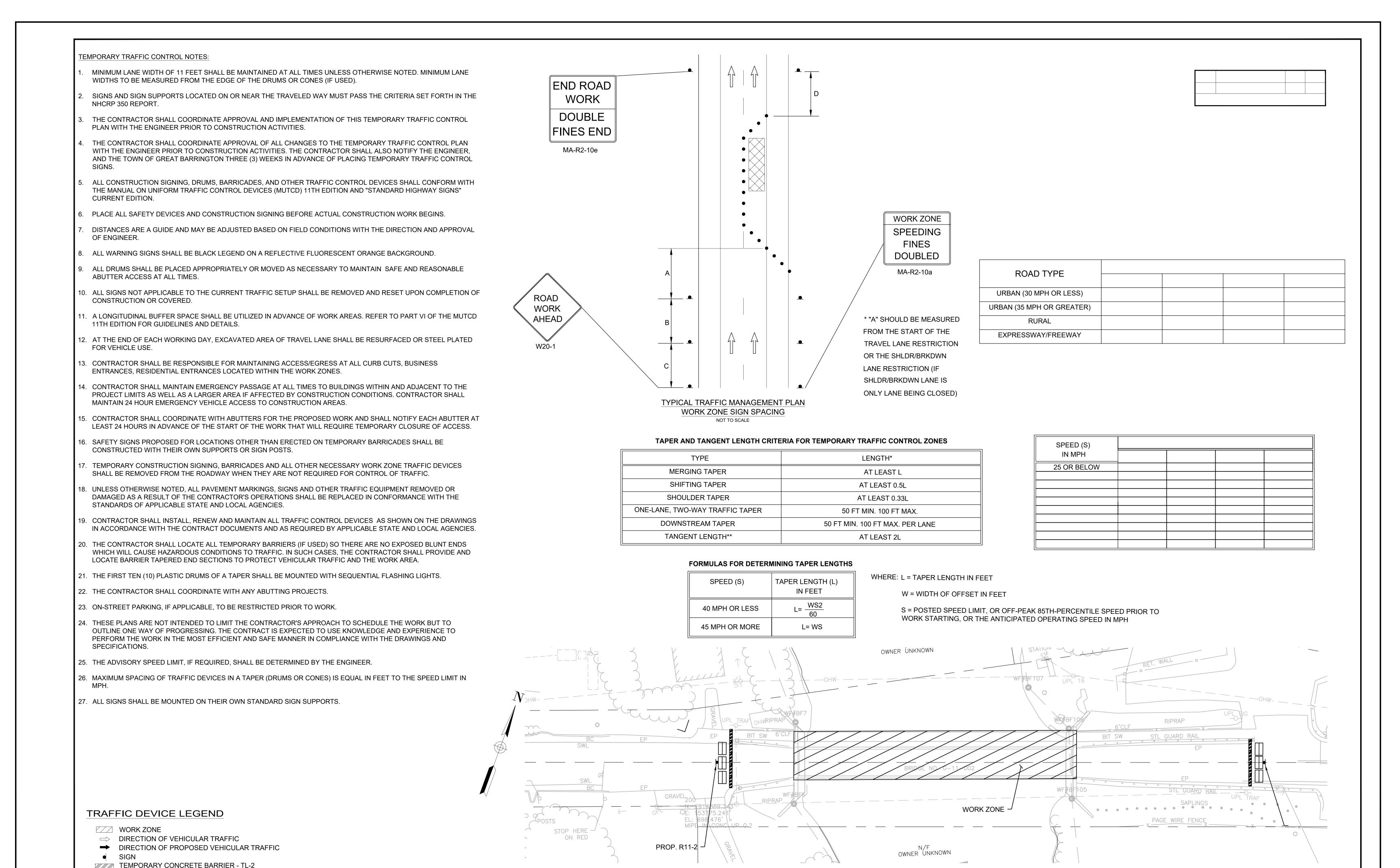










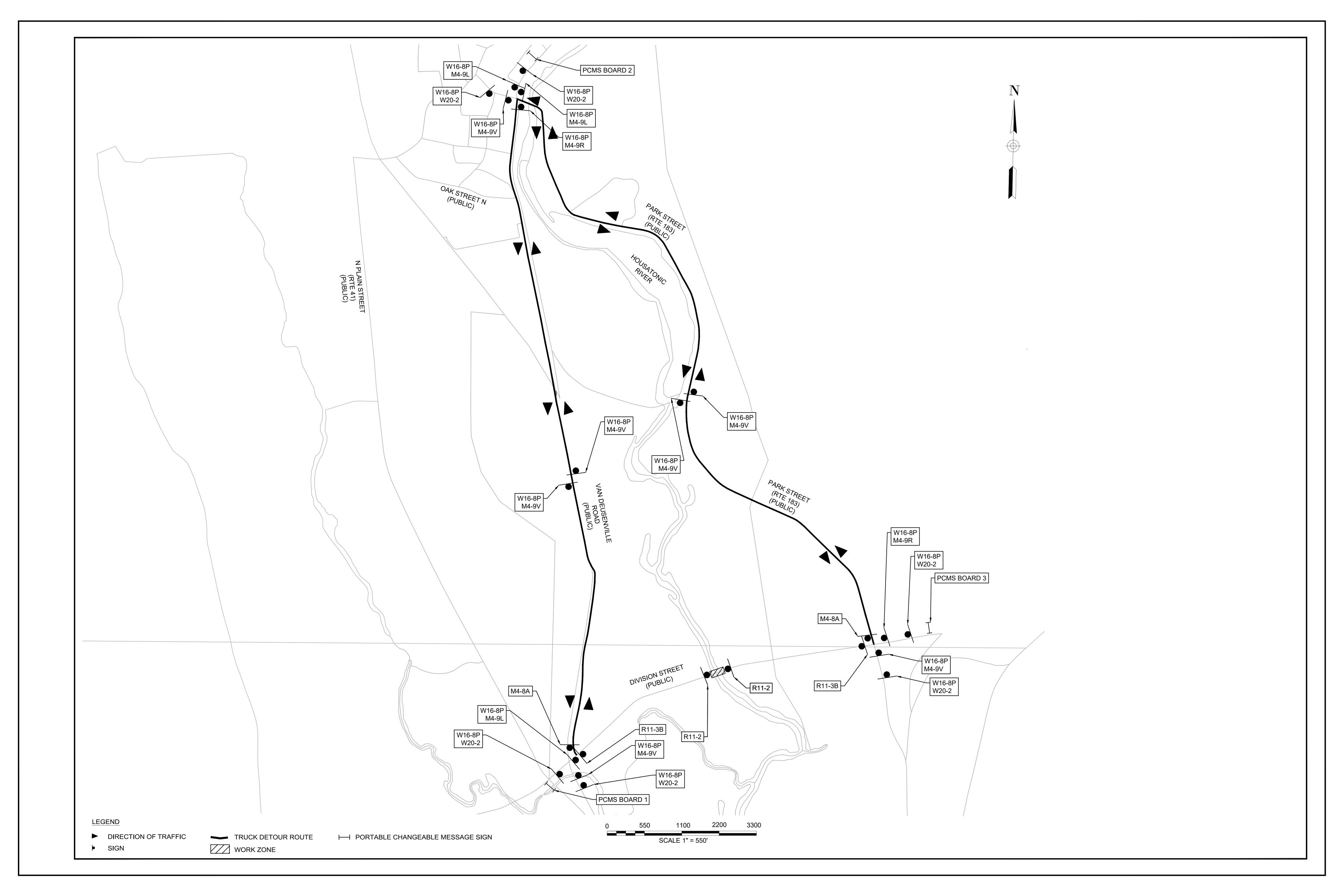


BRIDGE CLOSURE DETAIL

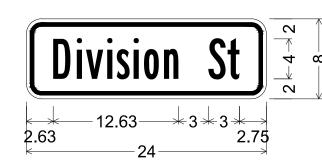
SCALE: 1" = 20'

REFLECTORIZED PLASTIC DRUM OR 36" CONE

(P) POLICE OFFICER



IDENTIFICA TION	SIZE OF SIGN			TEXT DIMENSIONS (IN)			NUMBER	COLOR			POST SIZE AND	UNIT	AREA
	WIDTH (IN)	HEIGHT (IN)	TEXT	LETTER HEIGHT	VERTICAL SPACING		OF SIGNS REQUIRED	BACKGRO UND	LEGEND	BORDER	NUMBER REQUIRED	AREA (S.F.)	(S.F)
MA-R2-10a	48	36	WORK ZONES SPEEDING FINES DOUBLED	SEE MASS	SDOT STANI BOOK	DARD SIGN	2	FLOURE- SCENT ORANGE	BLACK	BLACK	2	12.00	24.00
MA-R2-10e	36	48	END ROAD WORK DOUBLE FINES END				2	FLOURE- SCENT ORANGE & WHITE	BLACK	BLACK	2	12.00	24.00
M4-8A	24	18	END DETOUR		MANUAL ON C CONTROL		2	FLOURE- SCENT ORANGE	BLACK	BLACK	2	3.00	6.00
M4-9V	30	24	DETOUR				7	FLOURE- SCENT ORANGE	BLACK	BLACK	0 (MOUNT W/ W16-8P)	5.00	35.00
M4-9R	30	24	DETOUR				2	FLOURE- SCENT ORANGE	BLACK	BLACK	0 (MOUNT W/ W16-8P)	5.00	10.00
M4-9L	30	24	DETOUR				3	FLOURE- SCENT ORANGE	BLACK	BLACK	0 (MOUNT W/ W16-8P)	5.00	15.00
R11-2	48	30	ROAD				2	FLOURE- SCENT ORANGE	BLACK	BLACK	2	10.00	20.00
R11-3B	60	30	BRIDGE OUT 0.5 MILES AHEAD LOCAL TRAFFIC ONLY				2	FLOURE- SCENT ORANGE	BLACK	BLACK	2	12.50	25.00
W16-8P	24	8	DIVISION ST	SEE DETAIL ON RIGHT			18	FLOURE- SCENT ORANGE	BLACK	BLACK	16	1.33	24.00
W20-1	36	36	ROAD WORK AHEAD	SEE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES			2	FLOURE- SCENT ORANGE	BLACK	BLACK	2	9.00	18.00
W20-2	36	36	DETOUR AHEAD				6	FLOURE- SCENT ORANGE	BLACK	BLACK	0 (MOUNT W/ W16-8P)	9.00	54.00
				•	1							TOTAL (S.F.)	255.00



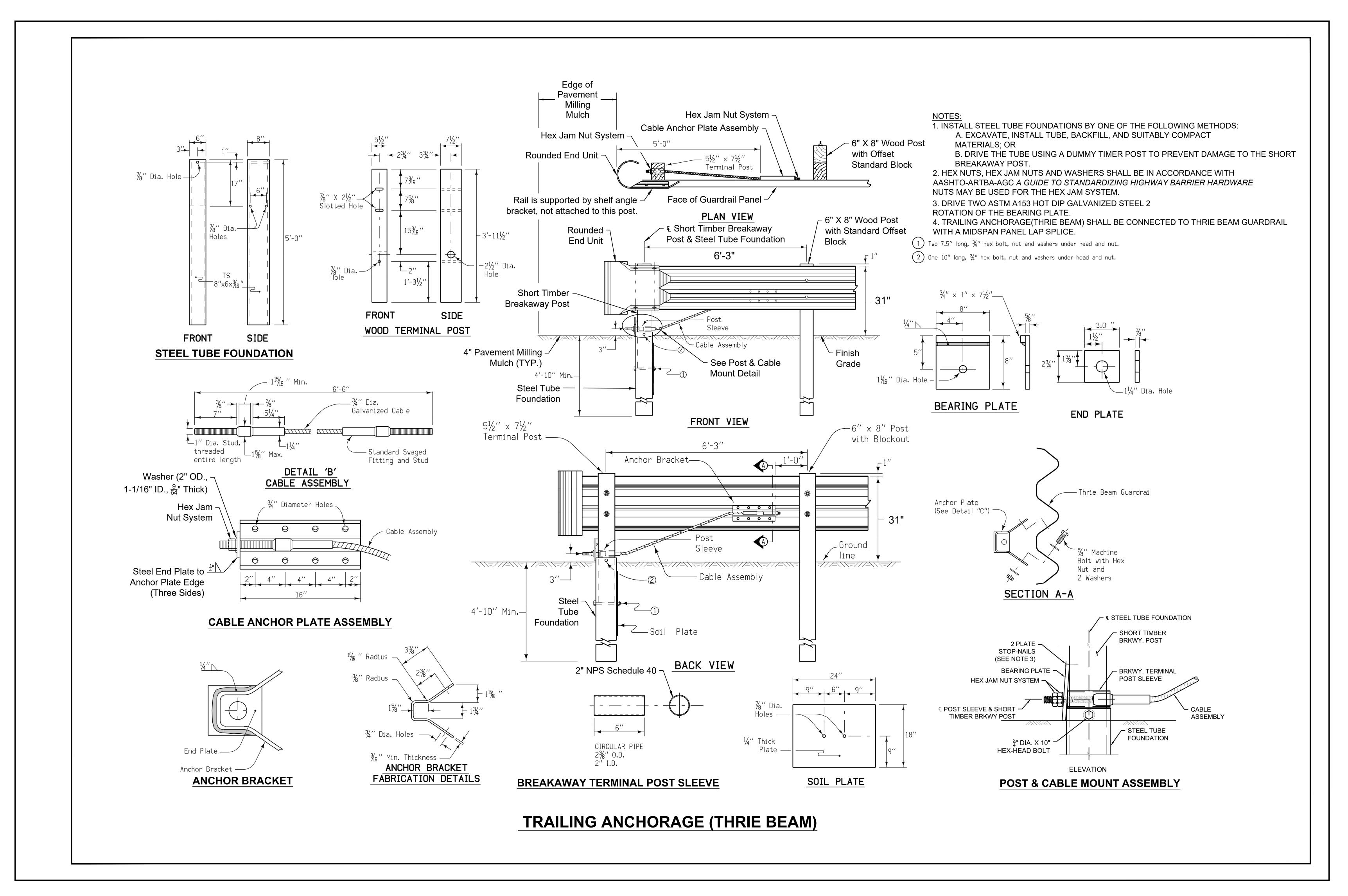
W16-8P;

1.50" Radius, 0.38" Border, 0.38" Indent, Black on Fluorescent orange; "Division", B 2K;

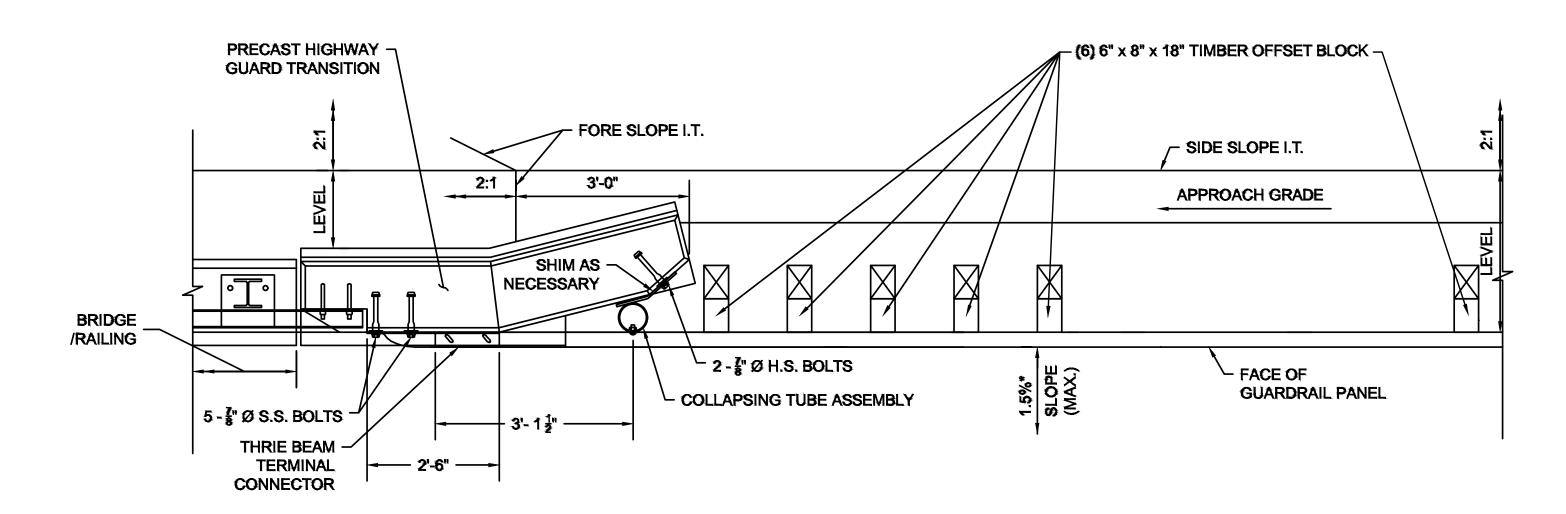
"St", B 2K;

Table of distances between letter and object lefts

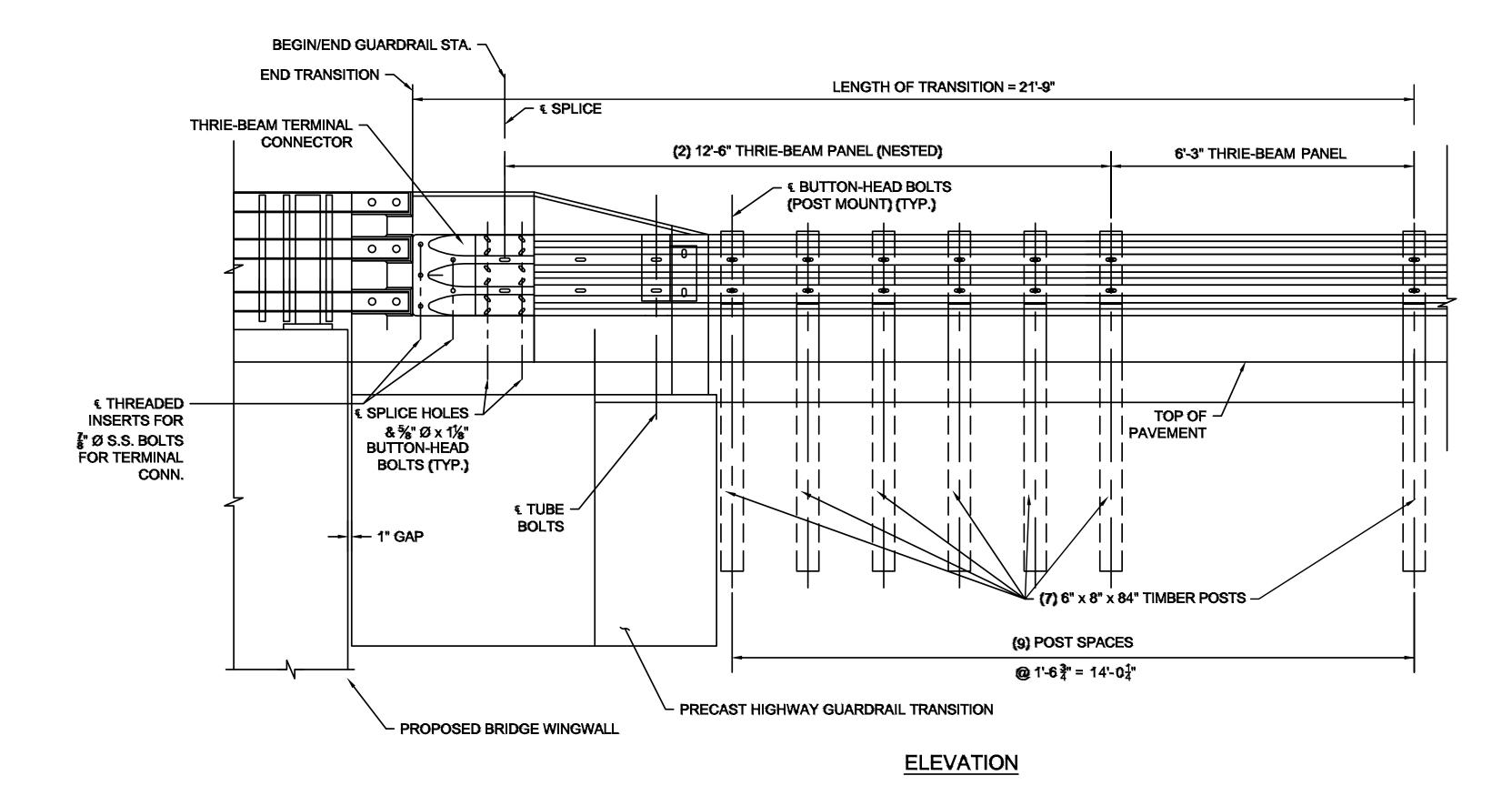
W16-8P SIGN DETAIL NOT TO SCALE





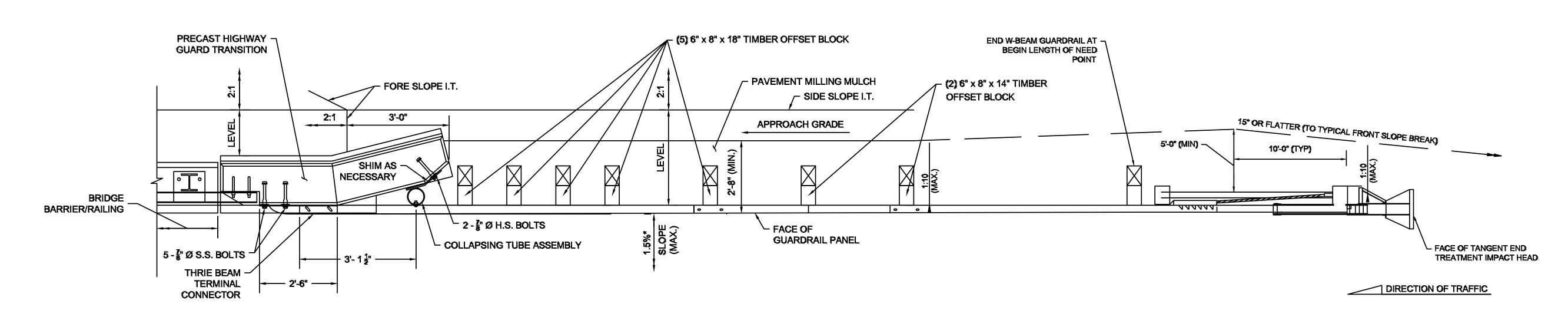


<u>PLAN</u>

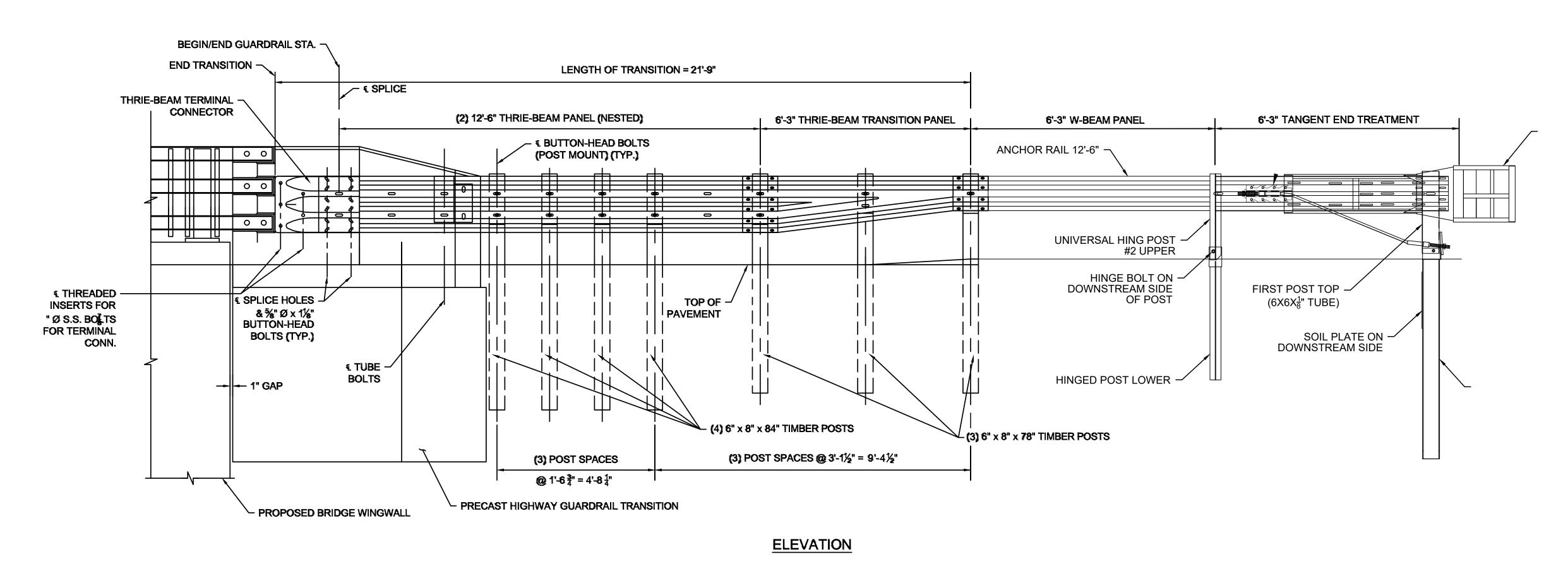


DETAIL 1 - TRANSITION TO BRIDGE RAIL (THRIE BEAM)

STA. 29+01 LT TO STA. 29+23 LT

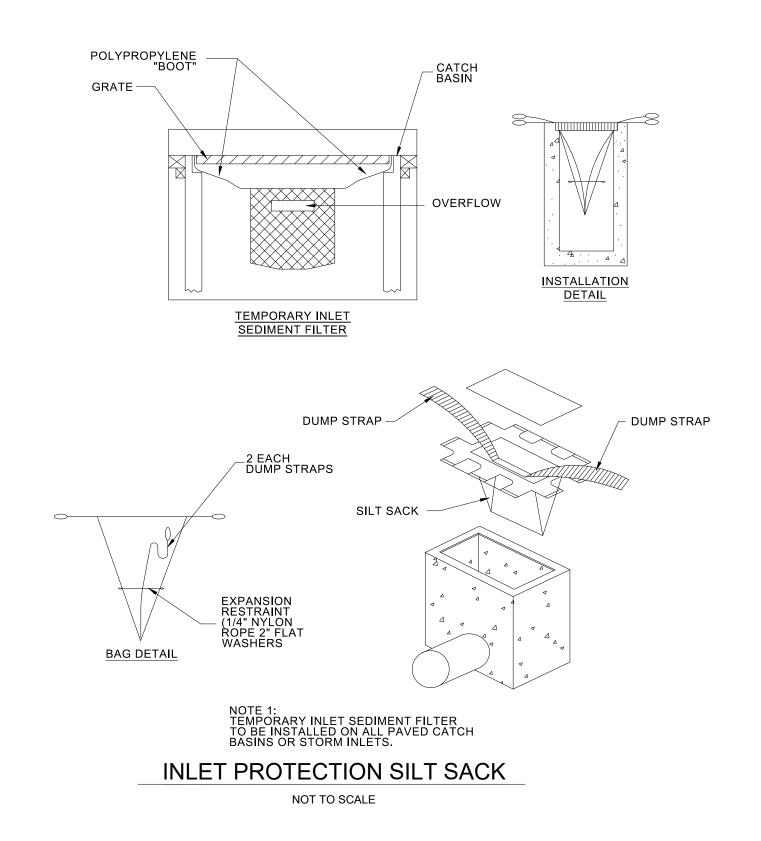


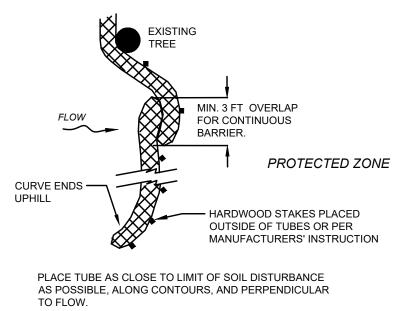




DETAIL 2 - TRANSITION TO BRIDGE RAIL (THRIE BEAM) WITH TANGENT END TREATMENT

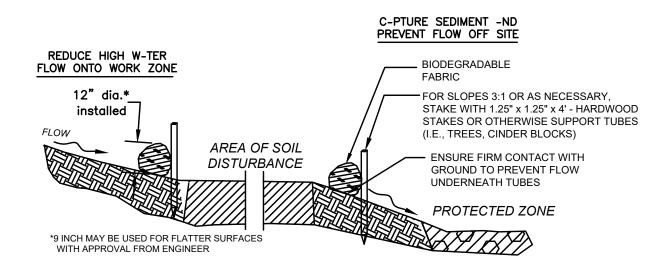
STA. 28+89 RT TO STA. 29+23 RT





ADJUST LOCATION AS REQUIRED FOR OPTIMUM EFFECTIVENESS. DO NOT INSTALL IN WATERWAYS.

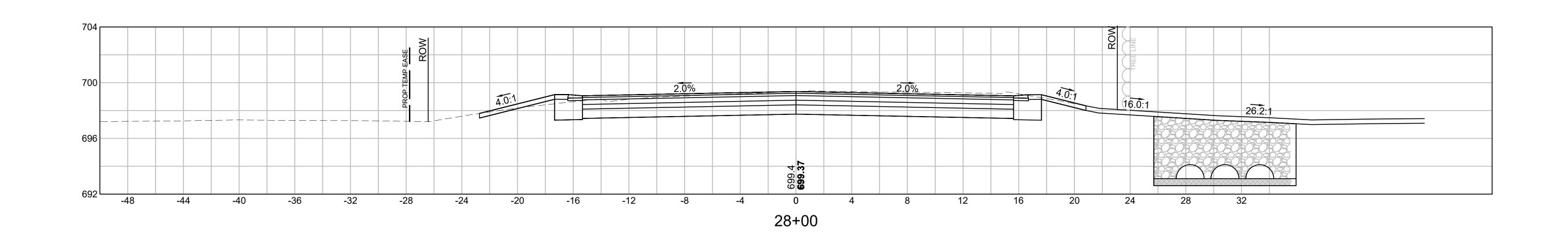
PLAN VIEW

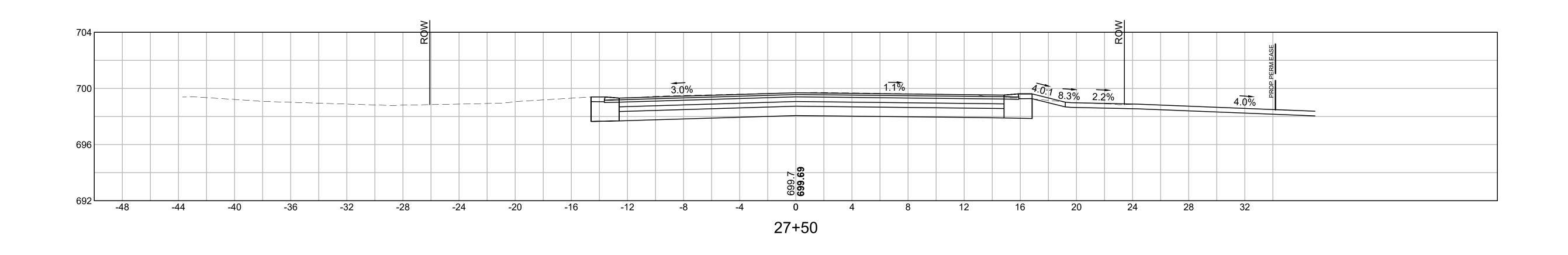


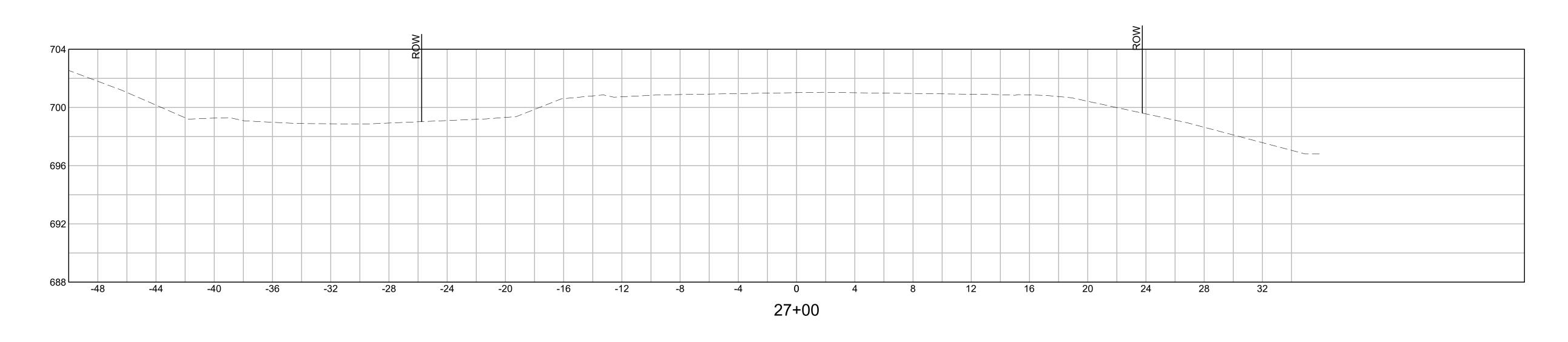
SECTION

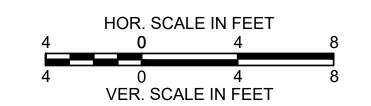
SEDIMENT BARRIER - COMPOST FILTER TUBE

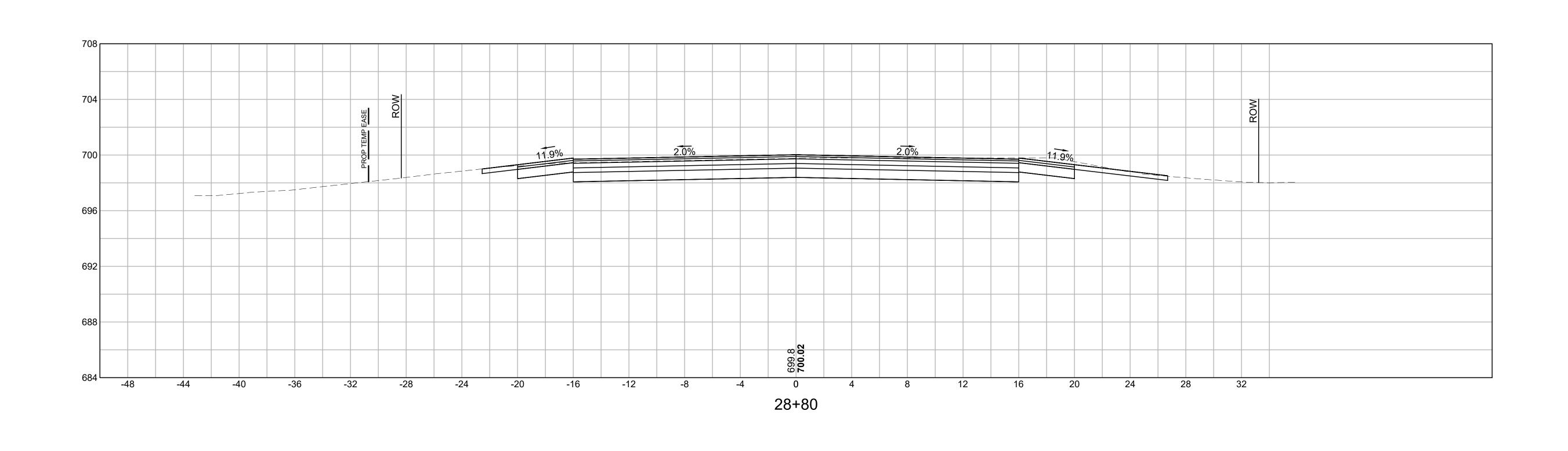
NOT TO SCALE

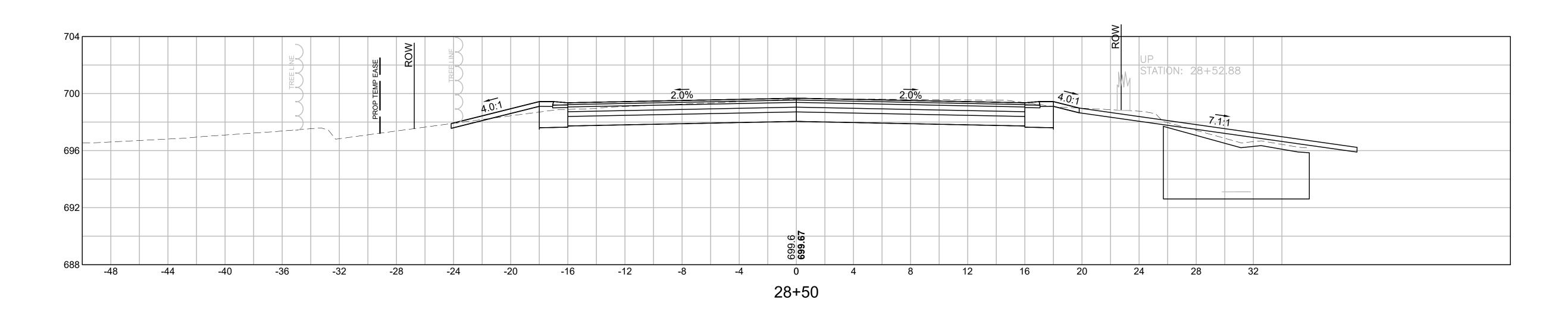


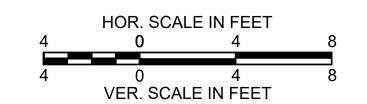


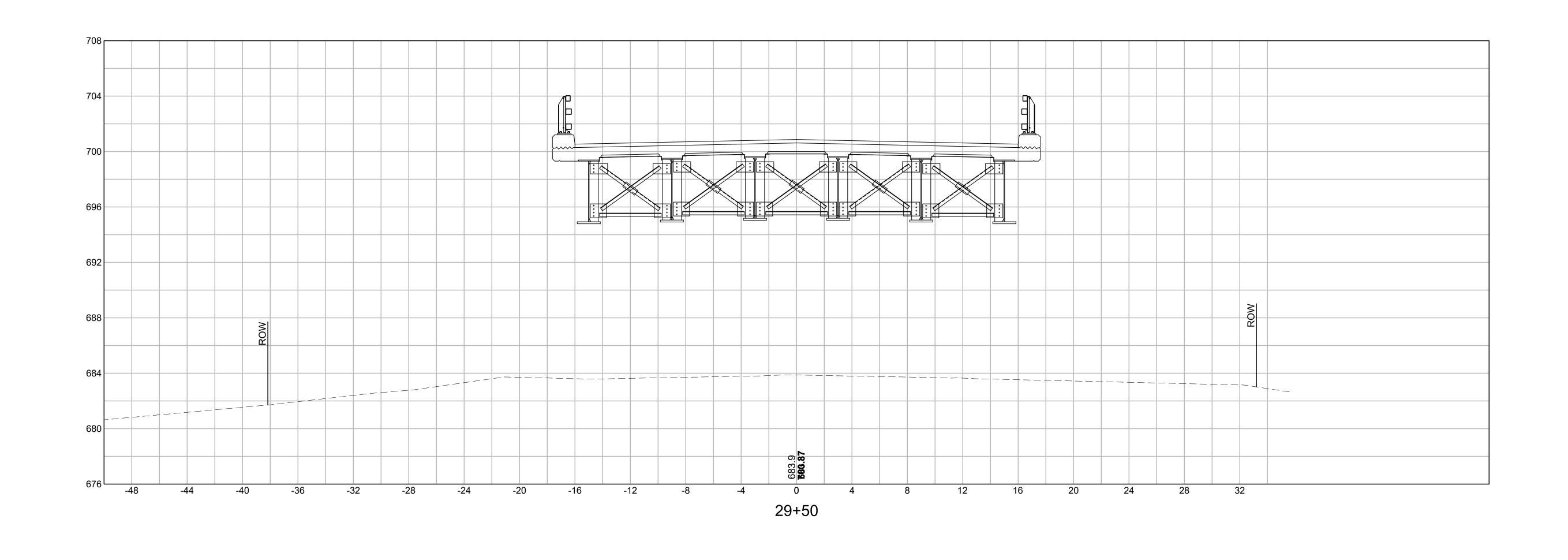


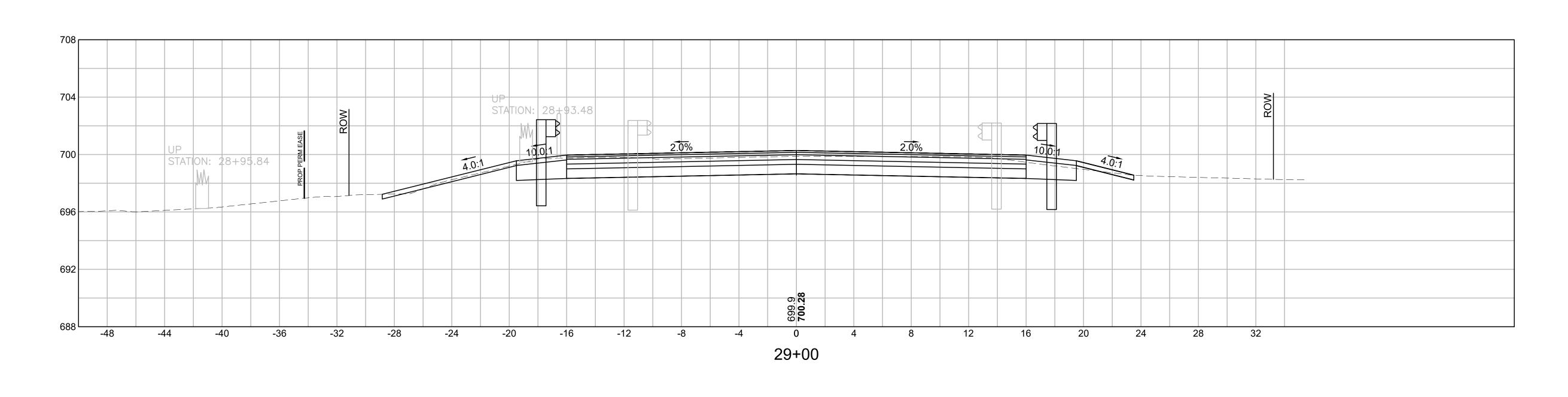


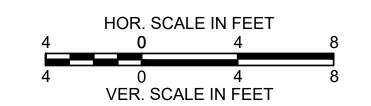


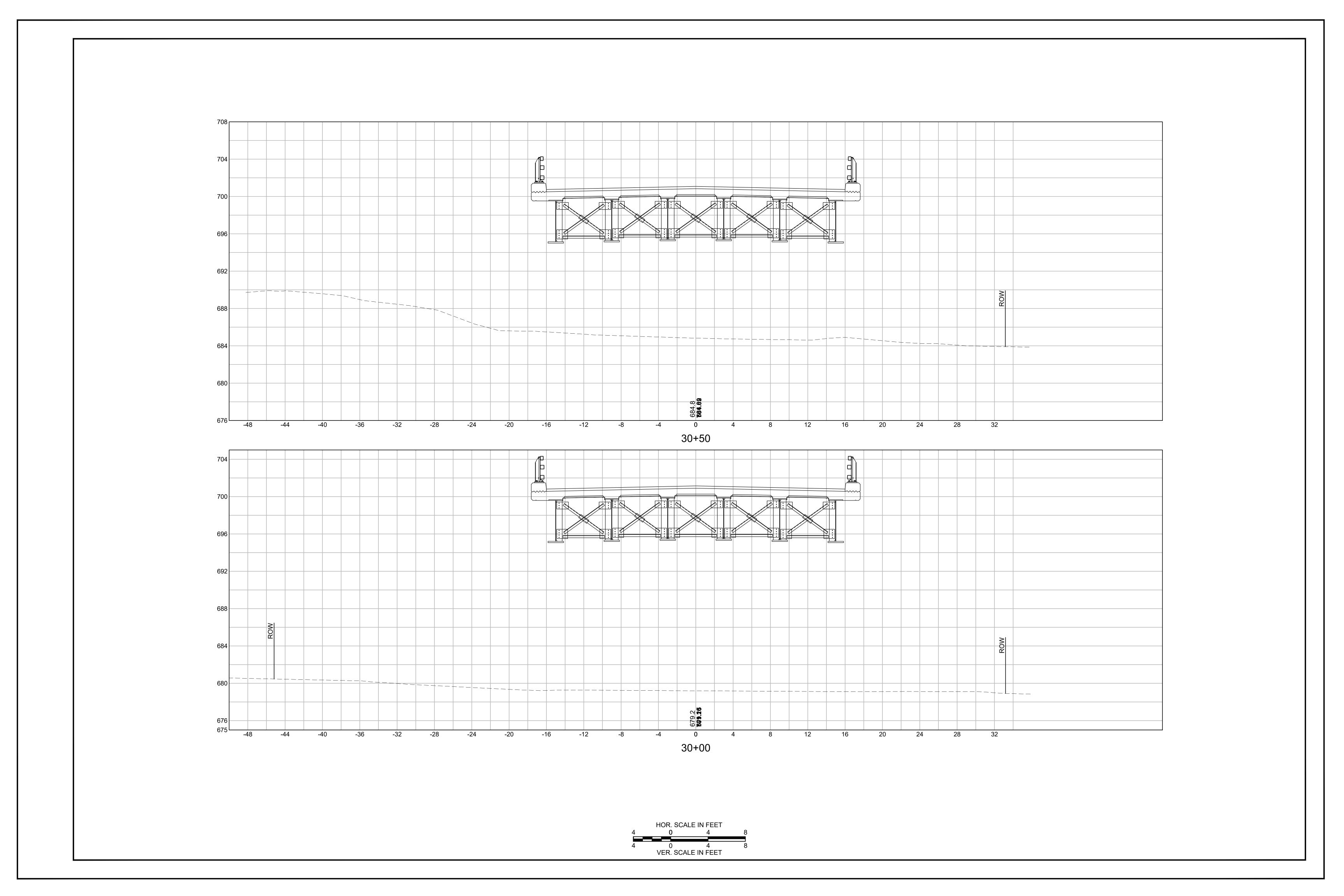


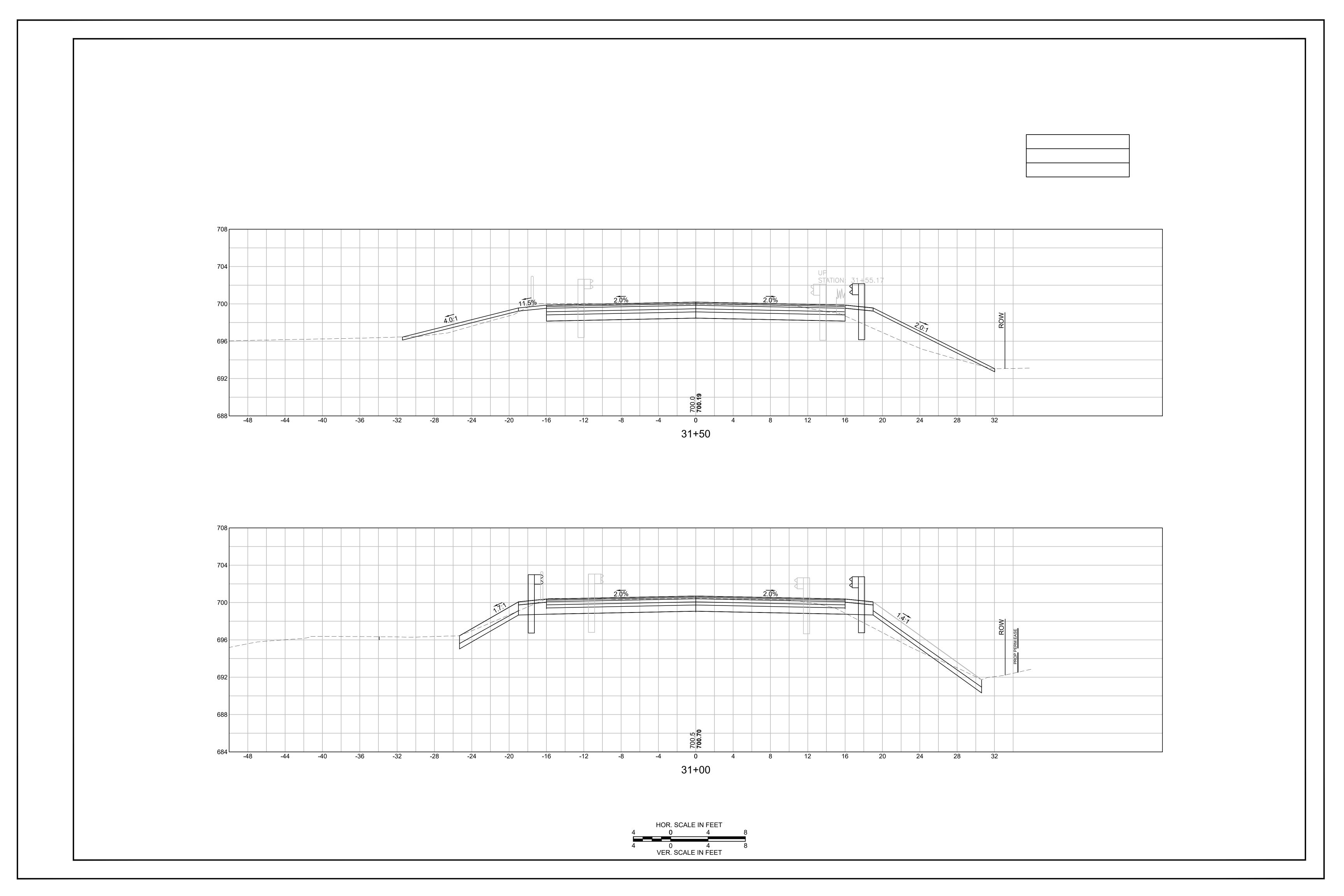












Total Volume Table					
Station	Cut Area				
32+00.00					

