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ADDENDUM NUMBER 2
Bid 25DPW14

West Main Street over Nonacoicus Brook Bridge Replacement Project

Issued February 3, 2025

This addendum forms part of the original document marked “**BIDDING REQUIREMENTS, CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS FOR THE CONSTRUCTION OF WEST MAIN STREET OVER NONACOICUS BROOK BRIDGE REPLACEMENT PROJECT, MASSDOT BRIDGE NO. A-19-014, TOWN OF AYER PUBLIC WORKS DEPARTMENT BID 25DPW14**”.

Acknowledge this addendum (No. 2) within your proposal. Failure to do so may subject bidder to disqualification.

Revisions to Contract Drawings:

The following Highway & Bridge Contract Drawings revisions are incorporated via Addendum No. 2 as noted herein.

Highway Plans - Sheet 2 of 44 – Legend, Abbreviations & General Notes

Updated crosswalk style to match Town of Ayer standard detail

Highway Plans - Sheet 3 of 44 – Typical Sections

Updated note for Typical Section STA 4+92 – STA 5+12 to reflect curb line adjustment

Highway Plans - Sheet 4 of 44 – Construction Plan

Highway Plans - Sheet 6 of 44 – Construction Details Sheet 2 of 2

Highway Plans - Sheet 8 of 44 – Curb Tie & Grading Plan

Highway Plans - Sheet 44 of 44 – Cross Sections – West Main Street Sheet 4 of 4

Updated sidewalk and Pedestrian Curb Ramp (PCR) No. 1 layout

Highway Plans - Sheet 9 of 44 – Drainage & Utility Plan

Revised pipe material of existing sewer main from brick to clay

Revised Catch Basin (CB #11) location/inverts

Additional locations for suggested test pits

Highway Plans - Sheet 10 of 44 – Sign and Pavement Marking Plan

Updated sidewalk and PCR No. 1 layout

Updated crosswalk style to match Town of Ayer standard detail

Eliminated proposed traffic signs

Revisions to Contract Drawings (cont.):

Highway Plans - Sheet 14 of 44 – Advanced Signing Plan Sheet 4 of 8

Highway Plans - Sheet 18 of 44 – Traffic Management Plans Sheet 8 of 8

Updated truck detour route to no longer utilize McPherson Road and Bishop Road

Bridge Plans – Sheet 27 of 44 – Stage Construction Section II

Revisions to the Stage 1C drawing reflecting the adjustment of Stage 1C limits for superpave bridge protection course, cast-in-place concrete overlay, and membrane waterproofing.

Added dimensions for future sidewalk to clarify why the membrane waterproofing limits were adjusted.

Bridge Plans – Sheet 28 of 44 – Stage Construction Section III

Revisions to the Stage 2 drawing reflecting the extension of work zone limits due to the adjustments to the Stage 1C limits.

Revisions to the Stage 3A drawing reflecting the extension of work zone limits due to the adjustments to the Stage 1C limits.

Bridge Plans – Sheet 29 of 44 – Stage Construction Section IV

Revisions to the Stage 3B drawing reflecting the addition of membrane waterproofing.

Additional Note #5 to read as follows:

INSTALL REMAINING PORTION OF MEMBRANE WATERPROOFING TO THE CONSTRUCTED SIDEWALK SHOWN. INSTALLATION AND PROTECTION OF MEMBRANE WATERPROOFING SHALL BE PER MANUFACTURER’S RECOMMENDATIONS.

Clarification of Contract Drawings:

The water diversion system depicted on several Contract Drawing sheets is schematic in nature. It is the responsibility of the Contractor to design the water control structures to be used as part of the dewatering placed in front of the structure.

Revisions to Section 00300-2 Contract Bid Form:

Revisions to bid item quantities as noted with revision block

Eliminated Item 431. High Early Cement Concrete Base Course

Revisions to Contract Specifications:

Revisions to language on Page 00300-3 to read as follows:

The time period for holding bids, where Federal approval is not required is 60 days, Saturdays, Sundays and legal holidays excluded, after the opening of bids.



Revisions to Contract Specifications (cont.):

Section 00800 Supplementary Conditions 7.03 Labor; Working Hours, SC-7.03, replace subparagraph 1 to revise regular working hours with the following:

1. Regular working hours will be 7:00 AM to 5:00 PM. Requests to work other than regular working days / hours shall be submitted to Engineer and the Town not less than one week prior to any proposed work.

Special Provisions page SP-31 to clarify direction valves shall open, replace language with the following two paragraphs:

Post indicating valve assemblies shall have a post and indicator as an integral part of the resilient seated gate valve assembly. The unit shall be provided with a detachable crank which OPENS the valve in a counterclockwise direction. Shafts shall be Type 304 stainless steel. Post indicators and valves shall be UL listed, FM approved.

Valves shall open left (counterclockwise).

Add Appendix N – 53 Shirley Street Easement Requirements to the contract documents.

<< *End of Addendum No. 2* >>



LEGEND

ABBREVIATIONS

AYER WEST MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		2	44
T&B PROJECT FILE NO. 17-023.01			

LEGEND, ABBREVIATIONS AND GENERAL NOTES

GENERAL (CONT.)

MH	MANHOLE
MHB	MASSACHUSETTS HIGHWAY BOUND
MIN	MINIMUM
NIC	NOT IN CONTRACT
NO.	NUMBER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
P.G.L.	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POT	POINT ON TANGENT
PRC	POINT OF REVERSE CURVATURE
PROJ.	PROJECT
PROP.	PROPOSED
PSB	PLANTABLE SOIL BORROW
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVMT	PAVEMENT
PWW	PAVED WATER WAY
R	RADIUS OF CURVATURE
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWY	ROADWAY
RELOC	RELOCATE
REM.	REMOVE
RET.	RETAIN
RET WALL / RETW	RETAINING WALL
ROW	RIGHT-OF-WAY
RR	RAILROAD
RRFB	RECTANGULAR RAPID FLASHING BEACON
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
RT	RIGHT
SB	STONE BOUND
SHLD	SHOULDER
SMH	SEWER MANHOLE
ST	STREET
STA	STATION
SSD	STOPPING SIGHT DISTANCE
SHLO	STATE HIGHWAY LAYOUT LINE
SW	SIDEWALK
T	TANGENT DISTANCE OF CURVE/ TRUCK PERCENTAGE
TAN	TANGENT
TBM	TEMPORARY BENCHMARK
TEMP	TEMPORARY
TC	TOP OF CURB
TOS	TOP OF SLOPE
TRAV	TRAVERSE
TYP.	TYPICAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
PCR	PEDESTRIAN CURB RAMP
WF	WOOD FENCE
WG	WATER GATE
WGL	WHITE GORE LINE (12 INCH)
WIP	WROUGHT IRON PIPE
WM	WATER METER/WATER MAIN
X-SECT	CROSS SECTION

GENERAL SYMBOLS

EXISTING	PROPOSED	
JB OR BRJB	JB OR BRJB	JERSEY BARRIER ON BRIDGE OR JERSEY BARRIER
CB	CB	CATCH BASIN
CI	CI	CURB INLET
	BUOY	BUOY
	FPL	FLAG POLE
	GAS PUMP	GAS PUMP
DI	DI	DROP INLET
MB	MB	MAIL BOX
GR	GRAN POST	GRANITE POST
PLN	PLANTER	PLANTER
PST	POST	POST
TBH	TBH	TELEPHONE BOOTH
VL	VL	VAULT
VLV	VLV	VALVE
WELL	WELL	WELL
EHH	EHH	ELECTRIC MANHOLE (HANDHOLE)
FCGA		
FL	FL	FLOW LINE
	GAS GATE	GAS GATE
	BH	BORING HOLE
		MONITORING WELL
	TEP	TEST PIT
HC	CONC. HDWL	CONCRETE HEADWALL
HH		HANDHOLE
HS	STONE HDWL	STONE HEADWALL
HYD	HYD	HYDRANT
		HYDRANT BRANCH
LPL	LPL	LIGHT POLE
CO. BO.	CO. BD.	COUNTY BOUND
GPS		GPS POINT
CMH		CABLE MANHOLE
DMH		DRAINAGE MANHOLE
EMH		ELECTRIC MANHOLE
GMH		GAS MANHOLE
MMH		MISC MANHOLE
OMH		OTHER MANHOLE
SMH		SEWER MANHOLE
TMH		TELEPHONE MANHOLE
WMH		WATER MANHOLE
MHB	MHB	MHD BOUND
MON	MON	MONUMENT
SB	SB	STONE BOUND
TOWN OR CITY BD.	TOWN OR CITY BD.	TOWN OR CITY BOUND
TSN	TSN	TRAVERSE OR TRIANGULATION STATION
TPL OR GUY	TPL OR GUY	TROLLEY POLE OR GUY POLE
TRNP		TRANS. POLE
UFB	UFB	UP W ITH FIREBOX
LPDL	LPDL	POLE WITH DOUBLE LIGHT
ULT	ULT	UP W ITH 1 LIGHT
UPL	UPL	UTILITY POLE
BUSH	BUSH	BUSH
TREE	TREE	TREE
STUMP	STUMP	STUMP
SWAMP / MARSH		SWAMP / MARSH
WG	WG	WATER GATE
FA	FA	FIRE ALARM BOX
PM	PM	PARKING METER
ELECTRICAL GROUND		ELECTRICAL GROUND
GATE VALVE		GATE VALVE
RIP RAP		RIP RAP
OVERHEAD CABLE		OVERHEAD CABLE
DIRECT BURIAL CABLE		DIRECT BURIAL CABLE
CURBING		CURBING
CONTOURS		CONTOURS
DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)		DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)
ELECTRIC DUCT		ELECTRIC DUCT
GAS MAIN		GAS MAIN
SEWER MAIN		SEWER MAIN
TELEPHONE DUCT		TELEPHONE DUCT
WATER MAIN		WATER MAIN
BALANCE STONE WALL		BALANCE STONE WALL
CULVERT		CULVERT
GUARD RAIL		GUARD RAIL
GUTTER LINE AT DRIVEWAYS		GUTTER LINE AT DRIVEWAYS
CHAIN LINK FENCE		CHAIN LINK FENCE
STOCKADE FENCE		STOCKADE FENCE

GENERAL SYMBOLS (CONT.)

EXISTING	PROPOSED	
		SEDIMENT CONTROL BARRIER
		RETAINING WALL
		TREE LINE OR LIMIT OF CLEARING AND GRUBBING
		SAWCUT LINE
		TOP OR BOTTOM OF SLOPE
		LIMIT OF EDGE OF PAVEMENT OR COLD PLAN & OVERLAY
		BANK OF RIVER OR STREAM
		BORDER OF WETLAND
		100 FT WETLAND OR 200 FT RIVERFRONT BUFFER
		STATE HIGHWAY LAYOUT
		TOWN OR CITY LAYOUT
		COUNTY LAYOUT
		RAILROAD SIDELINE
		TOWN OR CITY BOUNDARY LINE
		PROPERTY LINE OR APPROXIMATE PROPERTY LINE
		EASEMENT

TRAFFIC SIGNAL SYMBOLS

EXISTING	PROPOSED	
	01	CONTROLLER PHASE ACTUATED
		TRAFFIC SIGNAL HEAD (SIZE AS NOTED)
		WIRE LOOP DETECTOR (6'X 6' TYPICAL UNLESS OTHERWISE SPECIFIED)
		VIDEO SURVEILLANCE CAMERA
		MICROWAVE DETECTOR
		MAGNETOMETER (2 SHOWN)
		PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE
	*	OPTICOM CONFIRMATION STROBE LIGHT
		VEHICULAR SIGNAL HEAD
		VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED
		FLASHING BEACON
		PEDESTRIAN SIGNAL HEAD (TYPE AS NOTED OR AS SPECIFIED)
		PEDESTRIAN SIGNAL HEAD, OPTICALLY PROGRAMMED
		PEDESTRIAN SIGNAL POST AND BASE
		RAILROAD SIGNAL
		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
		STEEL OR ALUMINUM MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		HIGH MAST POLE OR TOWER
		SIGN AND POST
		SIGN AND POST (TWO POSTS)
		SIGNAL AND LIGHTING MAST ARM (OPTICOM)
		EMERGENCY PRE-EMPTION DETECTOR
		CONTROL CABINET, GROUND MOUNTED
		CONTROL CABINET, POLE MOUNTED
		FLASHING BEACON CONTROL & METER PEDESTAL
		LOAD CENTER ASSEMBLY
		PULL BOX 12"X12" (AND AS NOTED)
		ELECTRIC HANDHOLE 12" X 24"
		TRAFFIC SIGNAL INTERCONNECT CONDUIT
		TRAFFIC SIGNAL CONDUIT (TYPE AS NOTED)

PAVEMENT MARKINGS SYMBOLS

EXISTING	PROPOSED	
		PAVEMENT ARROW - WHITE
		LEGEND "ONLY" - WHITE
		STOP LINE - 12"
		CROSSWALK - 12" LINES 8' WIDTH (1' - 3' GAP)
		SOLID WHITE LINE - 4"
		SOLID YELLOW LINE - 4"
		BROKEN WHITE LINE - 4" (2'-6" GAP)
		BROKEN YELLOW LINE - 4" (2'-6" GAP)
		DOTTED WHITE LINE - 4" (2'-4" GAP)
		DOTTED YELLOW LINE - 4" (2'-4" GAP)
		DOTTED WHITE LINE EXTENSION - 4" (2'-4" GAP)
		DOTTED YELLOW LINE EXTENSION - 4" (2'-4" GAP)
		DOUBLE WHITE LINE - 2 - 4" LINES
		DOUBLE YELLOW LINE - 2 - 4" LINES

GENERAL

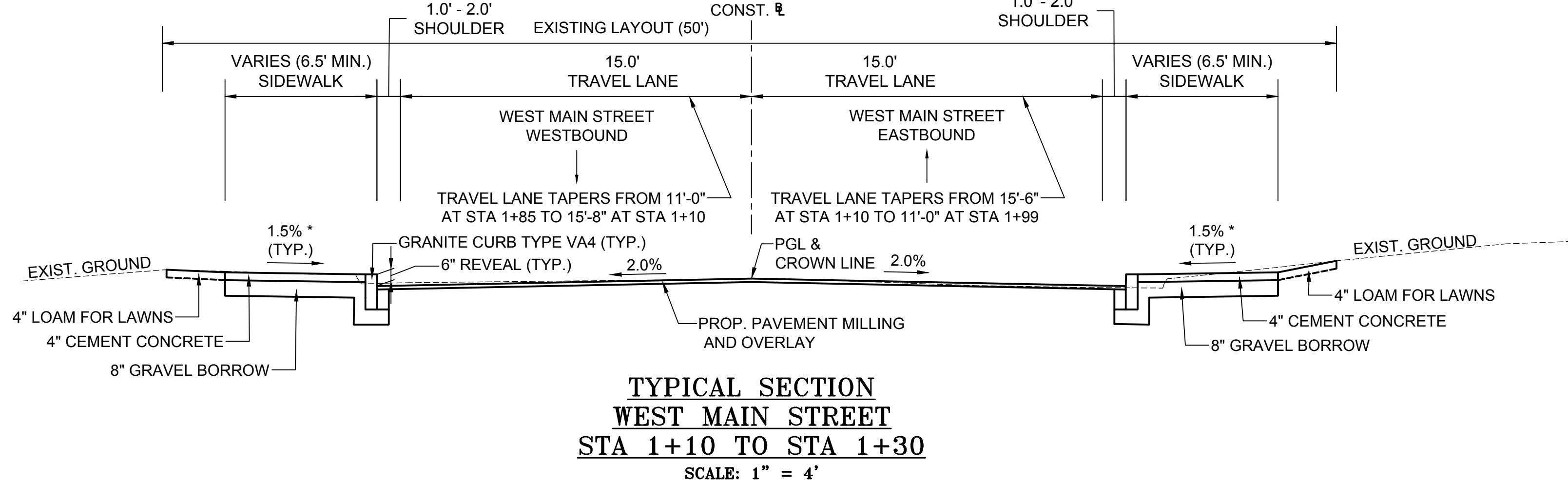
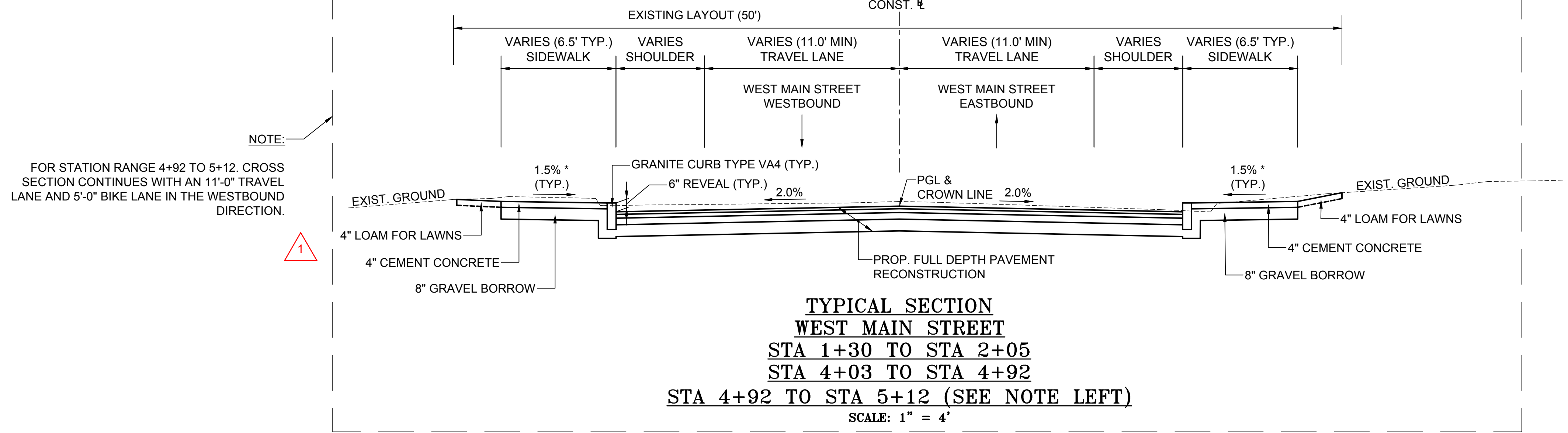
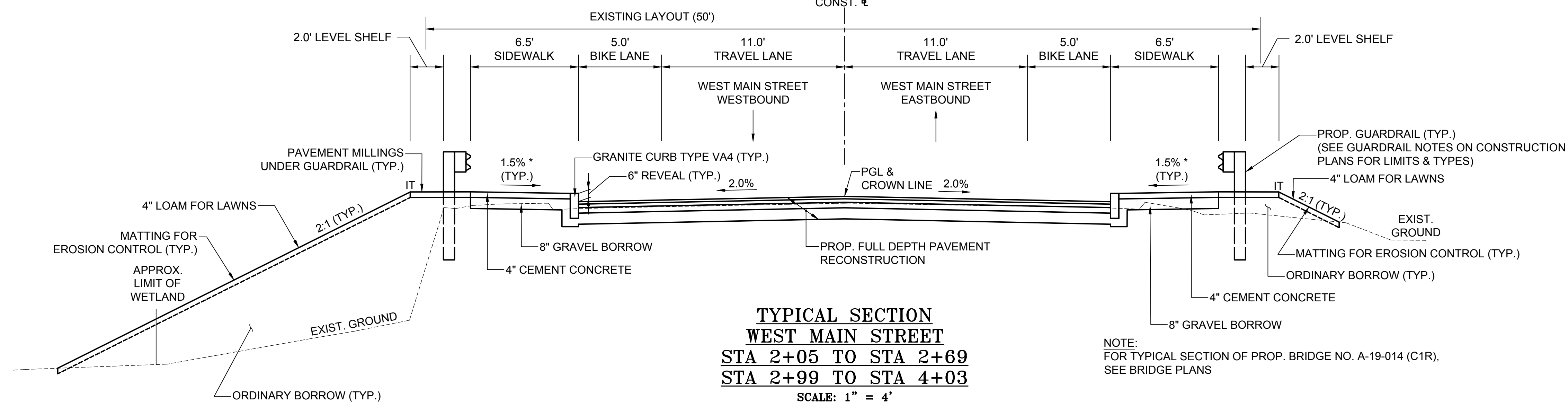
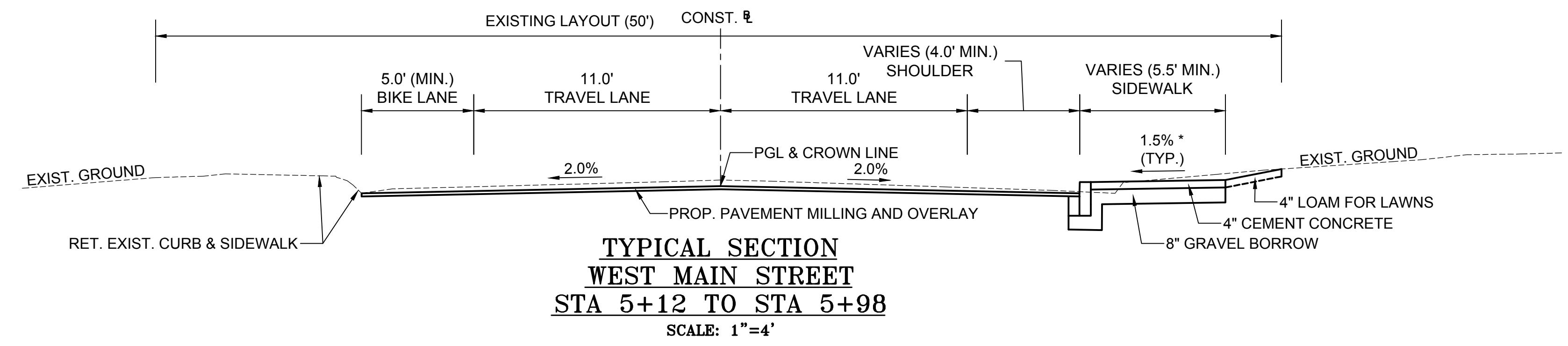
AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADJ	ADJUST
APPROX.	APPROXIMATE
A.C.	ASPHALT CONCRETE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE
BIT.	BITUMINOUS
BC	BOTTOM OF CURB
BD.	BOUND
BL	BASELINE
BLDG	BUILDING
BM	BENCH MARK
B.O.	BY OTHERS
BOS	BOTTOM OF SLOPE
BR.	BRIDGE
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
CCM	CEMENT CONCRETE MASONRY
CEM	CEMENT
CI	CURB INLET
CIP	CAST IRON PIPE
CLF	CHAIN LINK FENCE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CSP	CORRUGATED STEEL PIPE
CO.	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CR GR	CROWN GRADE
DHV	DESIGN HOURLY VOLUME
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWY	DRIVEWAY
ELEV (OR EL.)	ELEVATION
EMB	EMBANKMENT
EOP	EDGE OF PAVEMENT
EXIST (OR EX)	EXISTING
EXC	EXCAVATION
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FDN.	FOUNDATION
FLDSTN	FIELDSTONE
FLUOR	FLUORESCENT
GAR	GARAGE
GD	GROUND
GG	GAS GATE
GI	GUTTER INLET
GIP	GALVANIZED IRON PIPE
GRAN	GRANITE
GRAV	GRAVEL
GRD	GUARD
HDW	HEADWALL
HMA	HOT MIX ASPHALT
HOR	HORIZONTAL
HYD	HYDRANT
INV	INVERT
IT	INTERSECTING TANGENT
JCT	JUNCTION
L	LENGTH OF CURVE
LB	LEACHING BASIN
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MB	MAIL BOX

GENERAL NOTES:

- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES WITH THE RESPECTIVE UTILITY COMPANIES AND ANY WORK TO BE DONE BY OTHERS.
- 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.
- THE TERM "PROPOSED" (PROP.) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS OR, WHERE APPLICABLE, REUSING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET" (R&R).
- ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- JOINTS BETWEEN NEW BITUMINOUS CONCRETE ROADWAY PAVEMENT AND SAWCUT EXISTING PAVEMENT SHALL BE SEALED IN ACCORDANCE WITH ITEM 453 OF THE SPECIAL PROVISIONS.
- DRAINAGE ELEVATIONS ARE PROVIDED FOR DESIGN PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY BY TEST PIT, THE LOCATIONS OF EXISTING UTILITIES WHICH MAY CONFLICT WITH THE PROPOSED DRAINAGE DESIGN. ANY FIELD ADJUSTMENTS REQUIRED WILL BE MADE AS APPROVED OR DIRECTED BY THE ENGINEER. ONLY AFTER THE CONTRACTOR VERIFIES ELEVATIONS FOR THE CONSTRUCTIBILITY OF THE DRAINAGE SYSTEM SHALL ANY STRUCTURES BE ORDERED. ANY FIELD ADJUSTMENTS TO LINE & GRADE UP TO A DEPTH OF 5' SHALL BE INCLUDED IN THE COST OF THE PIPE. PIPE EXCAVATION GREATER THAN 5' WILL BE PAID UNDER CLASS B TRENCH EXCAVATION.
- FIELD SURVEY PROVIDED BY CHAPPELL ENGINEERING ASSOCIATES, LLC 201 BOSTON POST ROAD W #101, MARLBOROUGH, MA 01752. HORIZONTAL DATUM IS BASED ON MASS GRID SYSTEM NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO THE NAVD OF 1988.
- TREE PROTECTION SHALL BE APPROVED IN WALK THROUGH WITH ENGINEER, CONTRACTOR, AND TOWN OF AYER PRIOR TO THE ONSET OF CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL CONTACT "DIG SAFE" AT 1-888-DIG-SAFE AT LEAST 72 HOURS PRIOR TO COMMENCING WORK ON THE PROJECT AREA. THE CONTRACTOR SHALL PROVIDE DIGSAFE REPORTING NUMBERS TO THE ENGINEER.

AYER WEST MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		3	44
T&B PROJECT FILE NO.		17-023.01	

TYPICAL SECTIONS



PAVEMENT NOTES:

PROPOSED PAVEMENT MILLING AND OVERLAY:
1 3/4" SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) OVER
1 3/4" PAVEMENT FINE MILLING

PROPOSED FULL DEPTH RECONSTRUCTION:
1 3/4" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5) OVER
2 1/2" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) OVER
4 1/2" SUPERPAVE BASE COURSE - 37.5 (SBC-37.5) OVER
4" DENSE GRADED CRUSHED STONE OVER
8" GRAVEL BORROW TYPE b

PROPOSED CEMENT CONCRETE WALK / SIDEWALK / PEDESTRIAN CURB RAMP:
4" CEMENT CONCRETE
AIR ENTRAINED 4000 PSI, 3/4" 610 OVER
8" GRAVEL BORROW TYPE b

PROPOSED CEMENT CONCRETE SIDEWALK AT DRIVEWAY:
6" CEMENT CONCRETE
AIR ENTRAINED 4000 PSI, 3/4" 610 OVER
8" GRAVEL BORROW TYPE b

PROPOSED HMA WALK:
1 1/4" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5) OVER
1 3/4" SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC-12.5) OVER
8" GRAVEL BORROW TYPE b

PROPOSED HMA DRIVEWAYS:
1 1/2" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5) OVER
2 1/2" SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC-12.5) OVER
8" GRAVEL BORROW TYPE b

PROPOSED LOAM FOR LAWNS & ROADSIDES, GRASS, AND SLOPES (FOR SLOPES FLATTER THAN 3:1):
4" LOAM AND SEED

PROPOSED LOAM FOR LAWNS & ROADSIDES, GRASS, AND SLOPES (3:1 SLOPE OR STEEPER):
MATTING FOR EROSION CONTROL (ITEM 767.9) OVER
4" LOAM AND SEED

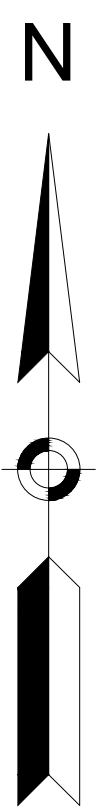
PROPOSED TEMPORARY TRENCH PATCH (WITHIN ROADWAY LIMITS PAID FOR UNDER ITEM 472.):
3" HOT MIX ASPHALT OVER
12" GRAVEL BORROW TYPE b OVER
SUITABLE BACK FILL MATERIAL (GRAVEL COMPACTED IN MAX. OF 8" LIFTS)

PROPOSED PERMANENT TRENCH PATCH (WITHIN ROADWAY LIMITS PAID FOR UNDER ITEM 451.):
1 3/4" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5) OVER
2 1/4" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) OVER
4 1/2" SUPERPAVE BASE COURSE - 37.5 (SBC-37.5) OVER
12" GRAVEL BORROW OVER
SUITABLE BACK FILL MATERIAL OR
CONTROLLED DENSITY FILL TYPE 1E OR 2E EXCAVATABLE (CONDUIT ONLY)

GENERAL NOTES:

1. ALL GRAVEL BORROW SHALL BE TYPE b, UNLESS OTHERWISE SPECIFIED.
2. PREPARATION OF UNDERLYING SURFACE, ASPHALT EMULSION FOR TACK COAT, HMA FOR PATCHING, AND HMA JOINT SEALANT SHALL BE IN ACCORDANCE WITH SECTION 450.
3. NEW GRAVEL SUBBASE SHALL ONLY BE USED WHEN EXISTING SUBBASE IS DETERMINED TO BE UNSUITABLE PER THE REQUIREMENTS OF M2.01.7 AND M1.03.0 AND AS DIRECTED BY THE ENGINEER.
4. SEE BRIDGE PLANS FOR ADDITIONAL INFORMATION & BRIDGE TYPICAL SECTION.

* - TOLERANCE FOR CONSTRUCTION ±0.5%



HIGHWAY GUARD DETAILS

TRANSITION TO BRIDGE RAIL (ITEM 628.24)
 STA 2+33.92 LT - STA 2+67.67 LT
 STA 2+33.92 RT - STA 2+67.67 RT
 STA 3+00.33 LT - STA 3+34.08 LT
 STA 3+00.33 RT - STA 3+34.08 RT

GUARDRAIL, TL-3 (SINGLE FACED) (ITEM 620.13)
 STA 2+15.17 LT - STA 2+33.92 LT
 STA 3+34.08 LT - STA 3+77.93 LT

GUARDRAIL TANGENT END TREATMENT, TL-2 (ITEM 627.82)
 STA 2+08.92 RT - STA 2+33.92 RT
 STA 3+77.83 LT - STA 4+02.83 LT

TRAILING ANCHORAGE (ITEM 627.1)
 STA 2+05.79 LT - STA 2+15.17 LT
 STA 3+34.08 RT - STA 3+43.46 RT

TRAFFIC SIGNAL CONDUIT
 NONE

DRAINAGE DETAILS
 SEE SHEET 9

WATER SUPPLY ALTERATIONS
 SEE SHEET 9

AYER WEST MAIN STREET

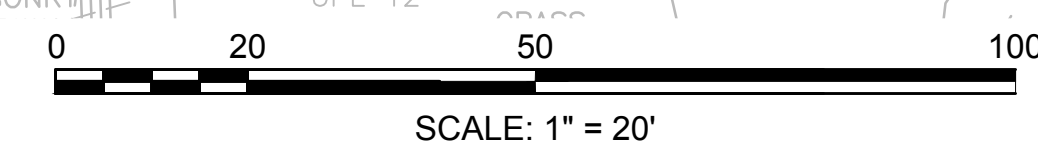
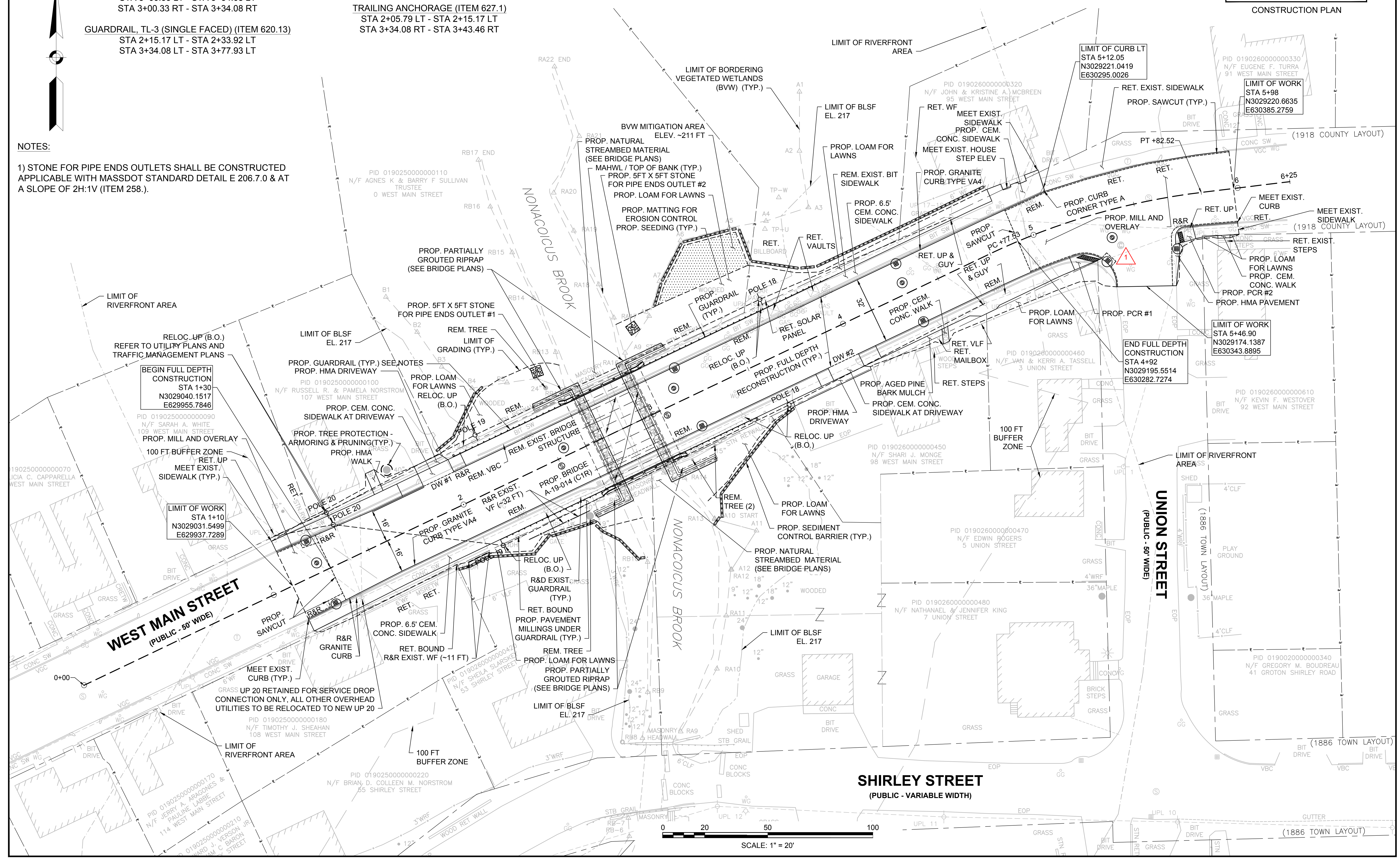
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		4	44

T&B PROJECT FILE NO. 17-023.01

CONSTRUCTION PLAN

NOTES:

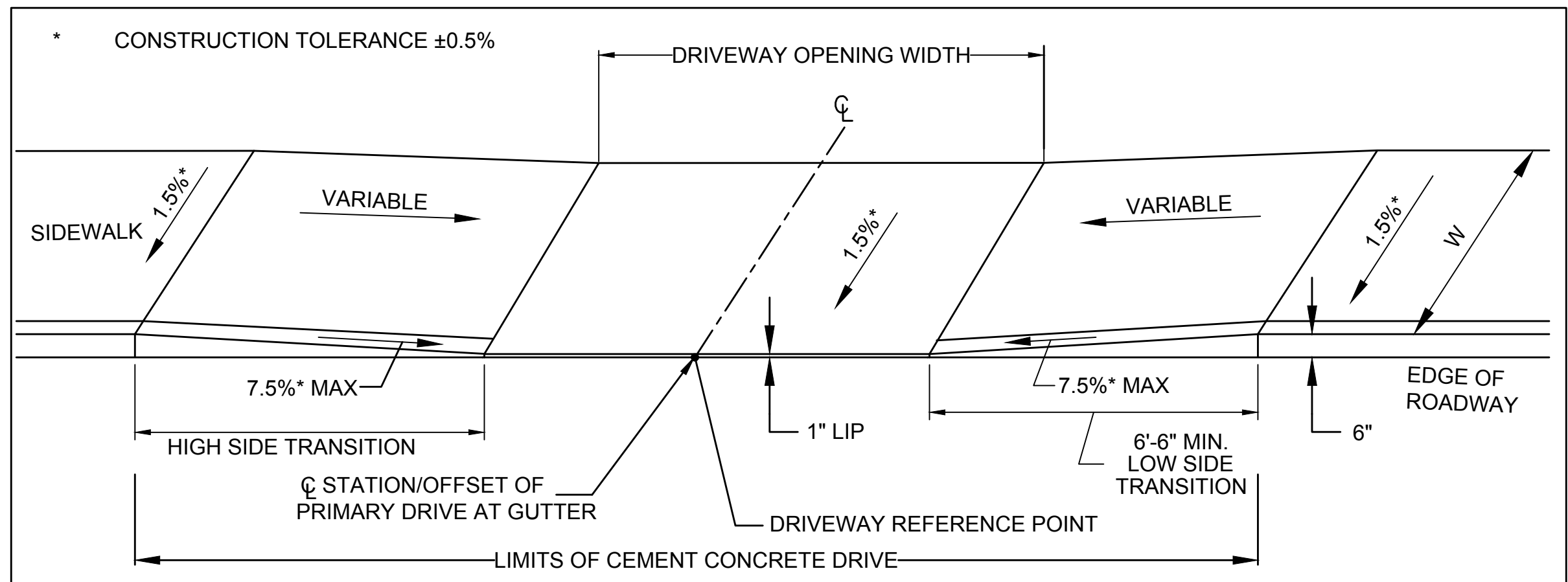
1) STONE FOR PIPE ENDS OUTLETS SHALL BE CONSTRUCTED APPLICABLE WITH MASSDOT STANDARD DETAIL E 206.7.0 & AT A SLOPE OF 2H:1V (ITEM 258.).



**AYER
WEST MAIN STREET**

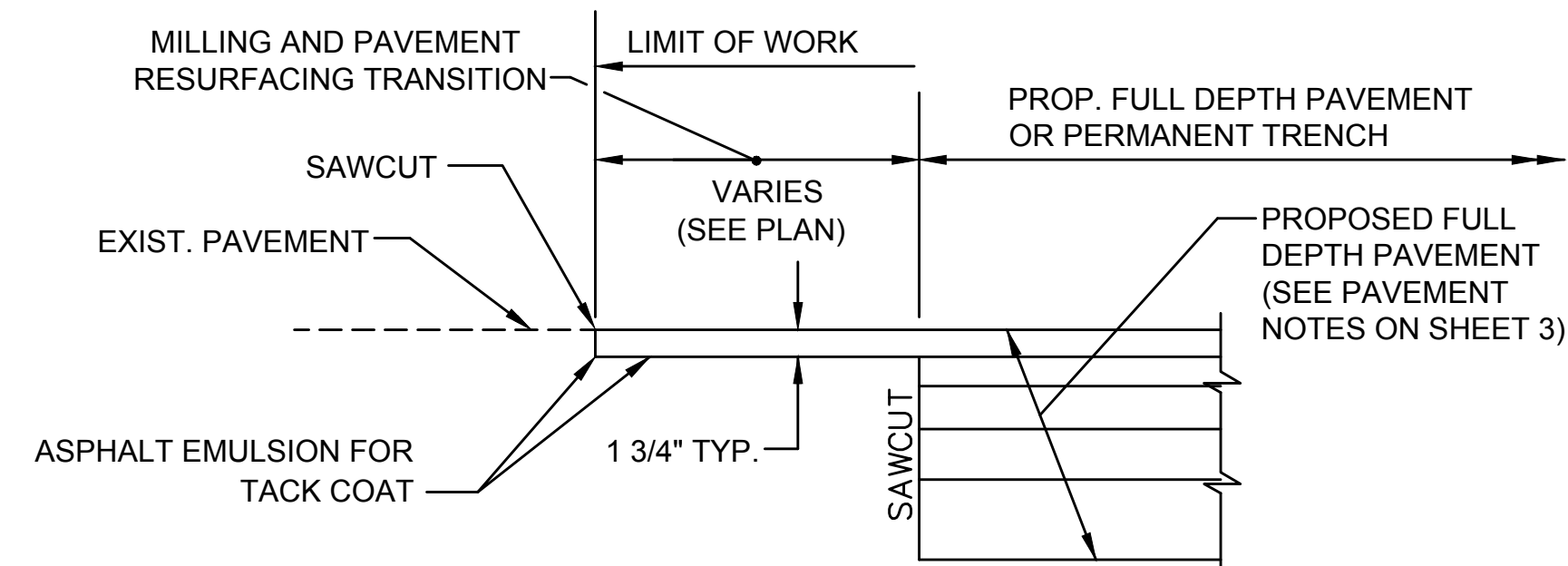
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		6	44
T&B PROJECT FILE NO.		17-023.01	

**CONSTRUCTION DETAILS
SHEET 2 OF 2**

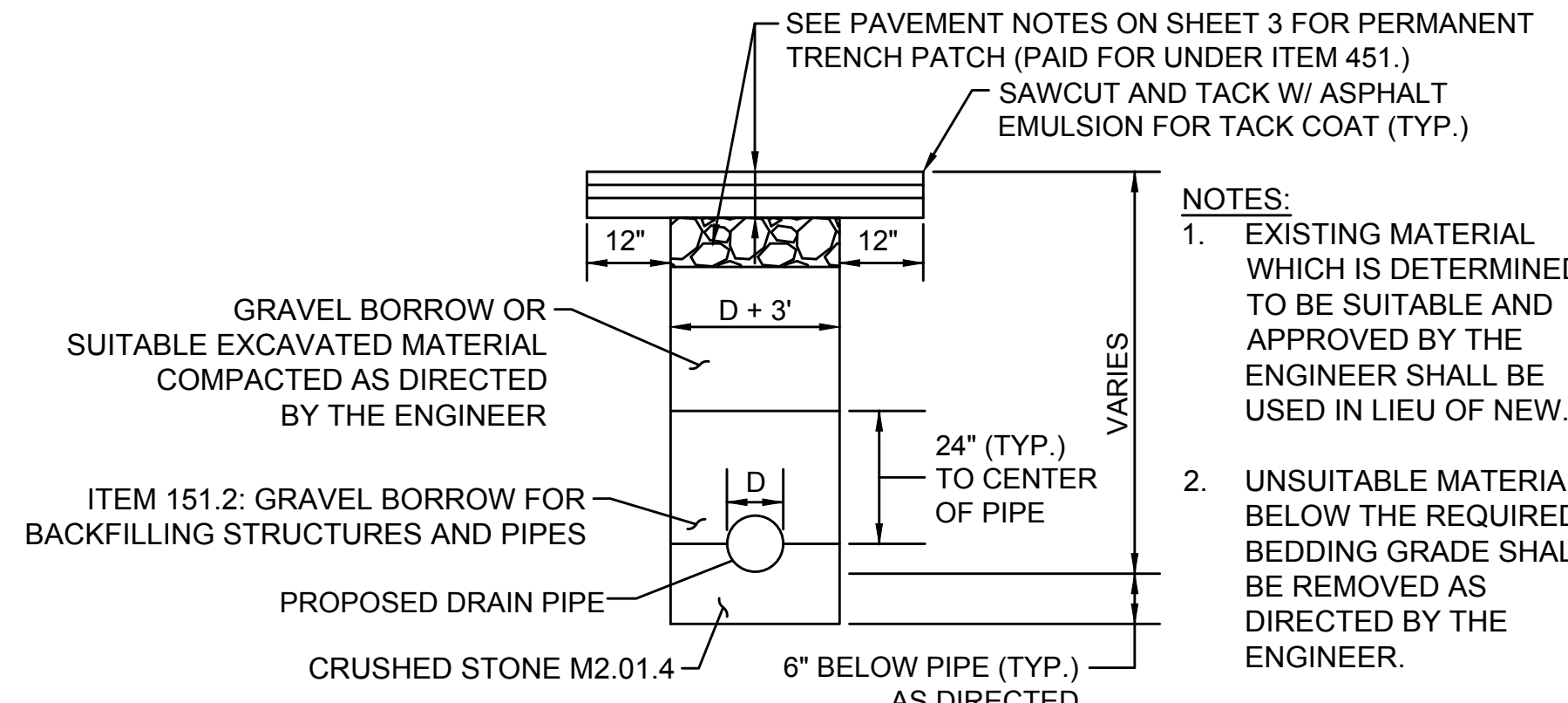


DRIVEWAY NO.	DRIVEWAY REFERENCE POINT ALONG CENTERLINE		WIDTH OF SIDEWALK (W)	PATH OF TRAVEL (4' MIN.)	DRIVEWAY OPENING WIDTH	ROADWAY GUTTER SLOPE (%)	TRANSITION LENGTH	
	STATION	OFFSET					HIGH SIDE	LOW SIDE
DW 1	1+94.52	16.00' LT	6.50'	6.50'	16.0'	-2.8	11.00'	6.50'
DW 2	3+92.47	16.00' RT	6.50'	6.50'	16.0'	1.9	9.00'	6.50'

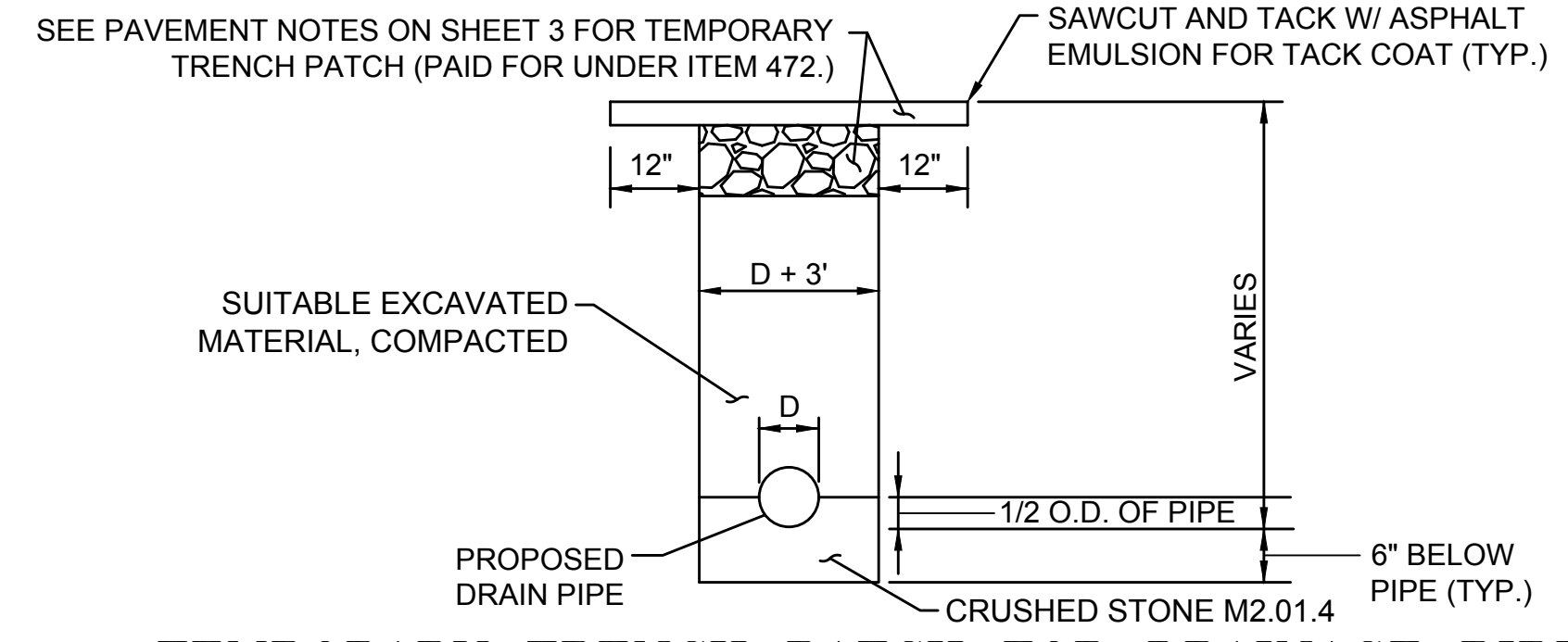
**DRIVEWAY SCHEDULE
N.T.S.**



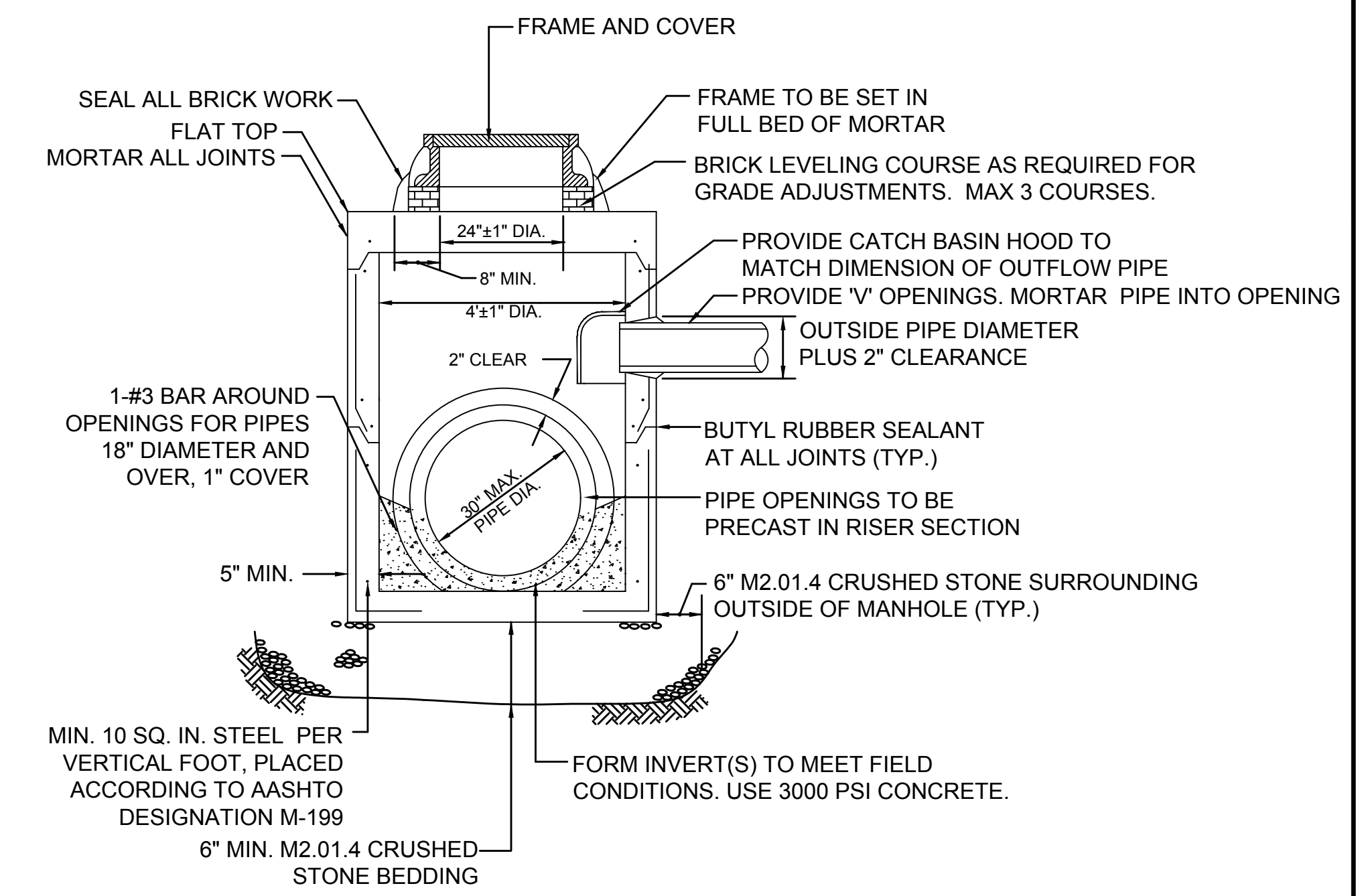
**JOINT DETAILS AT PAVING LIMITS
N.T.S.**



**PERMANENT TRENCH PATCH FOR DRAINAGE PIPE
(WITHIN PAVEMENT MILLING AREAS) DETAIL
N.T.S.**

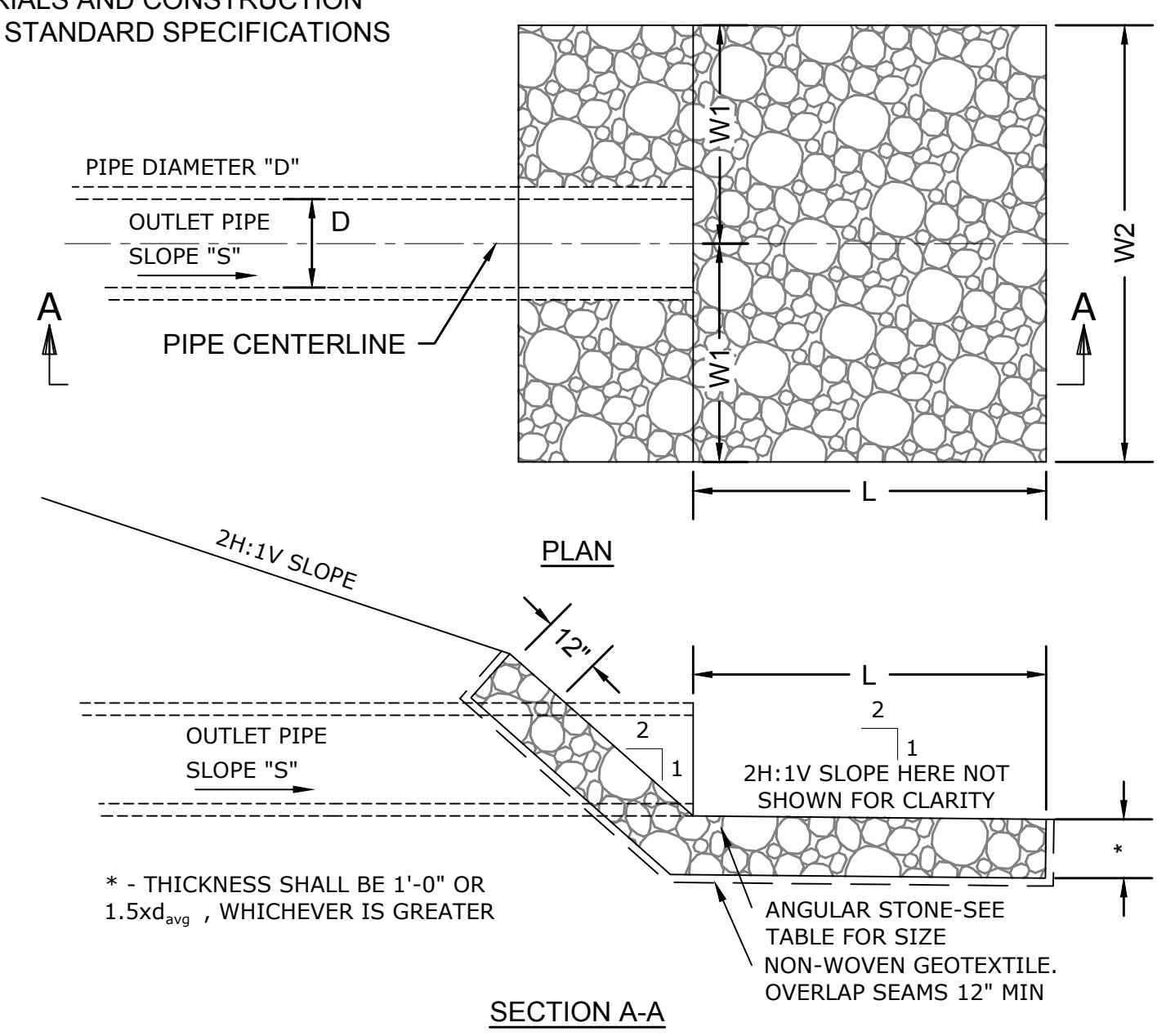


**TEMPORARY TRENCH PATCH FOR DRAINAGE PIPE
(WITHIN FULL DEPTH RECONSTRUCTION AREAS) DETAIL
N.T.S.**



**PRECAST FLAT TOP DRAIN MANHOLE
N.T.S.**

NOTE: FOR DESCRIPTION, MATERIALS AND CONSTRUCTION METHODS, SEE MASSDOT STANDARD SPECIFICATIONS

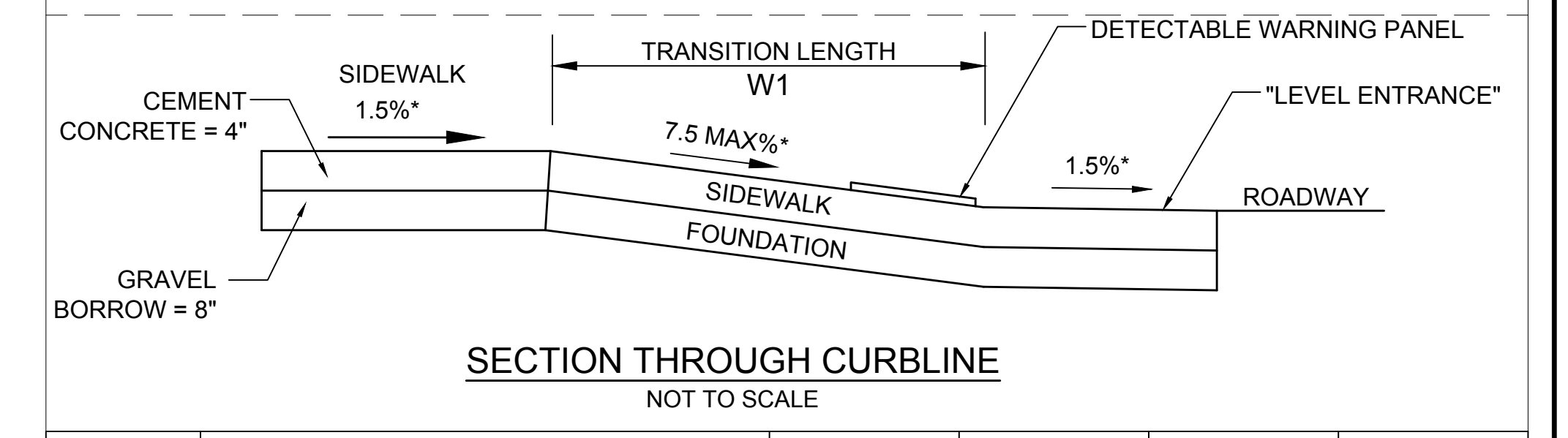
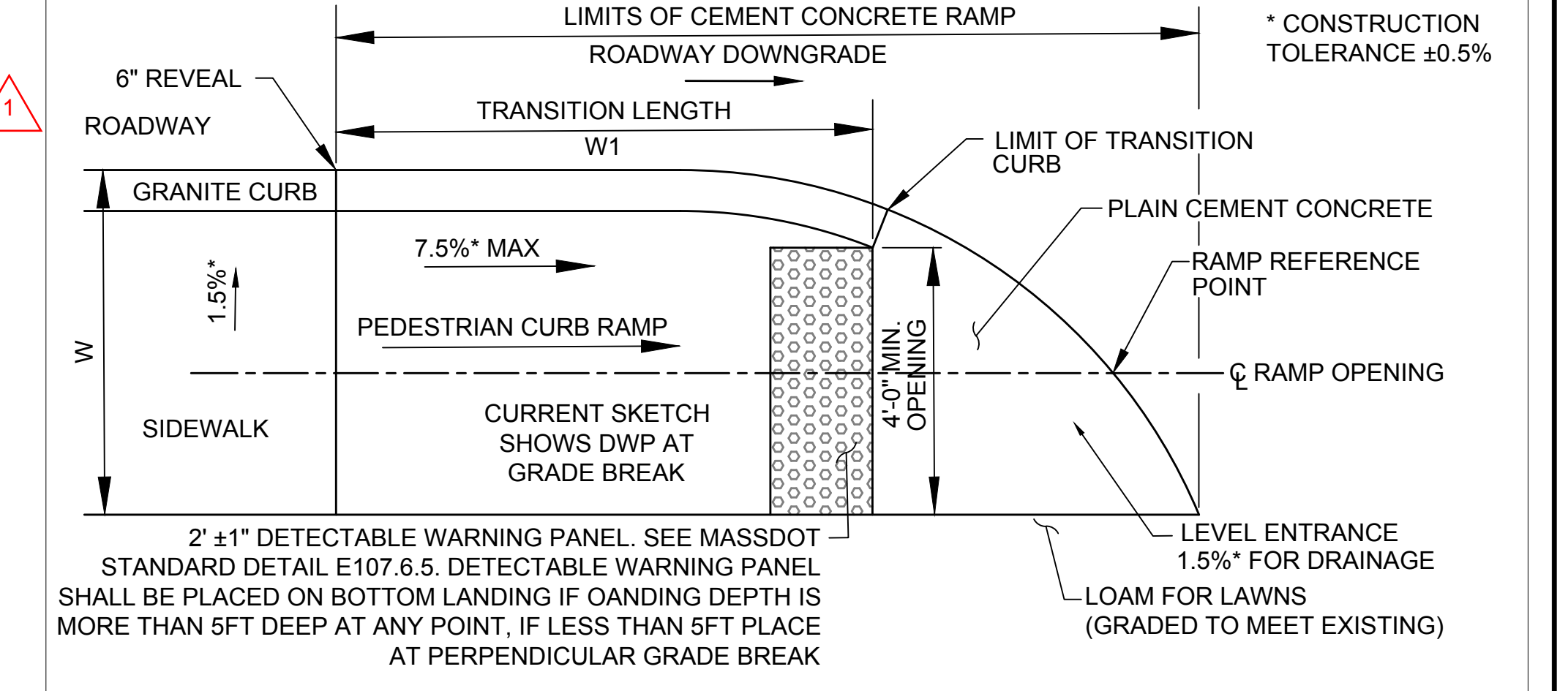


**STONE OUTLET PROTECTION AT OUTLETS #1 & #2
(ITEM 258. - STONE FOR PIPE ENDS)
N.T.S.**

DIMENSIONS FOR 2H:1V SLOPE

Dimension	Value
D	12"
W1	2'-6"
W2	5'-0"
L	5'-0"
d _{avg}	6"

d_{avg} DENOTES AVERAGE STONE DIAMETER



**SECTION THROUGH CURBLINE
NOT TO SCALE**

PED. CURB RAMP NO.	RAMP REFERENCE POINT			RAMP TRANSITION LENGTH (W1)	WIDTH OF SIDEWALK (W)	WIDTH OF RAMP OPENING (MIN. 3')	GUTTER SLOPE %
	BASELINE	STATION	OFFSET				
1	W MAIN	5+25.22	19.02' RT	6.50'	5.0' - 6.5'	5.00'	1.9%
2	W MAIN	5+66.74	20.12' RT	9.00'	5.75'	5.00'	1.8%

**PCR SCHEDULE #1 & #2
N.T.S.**



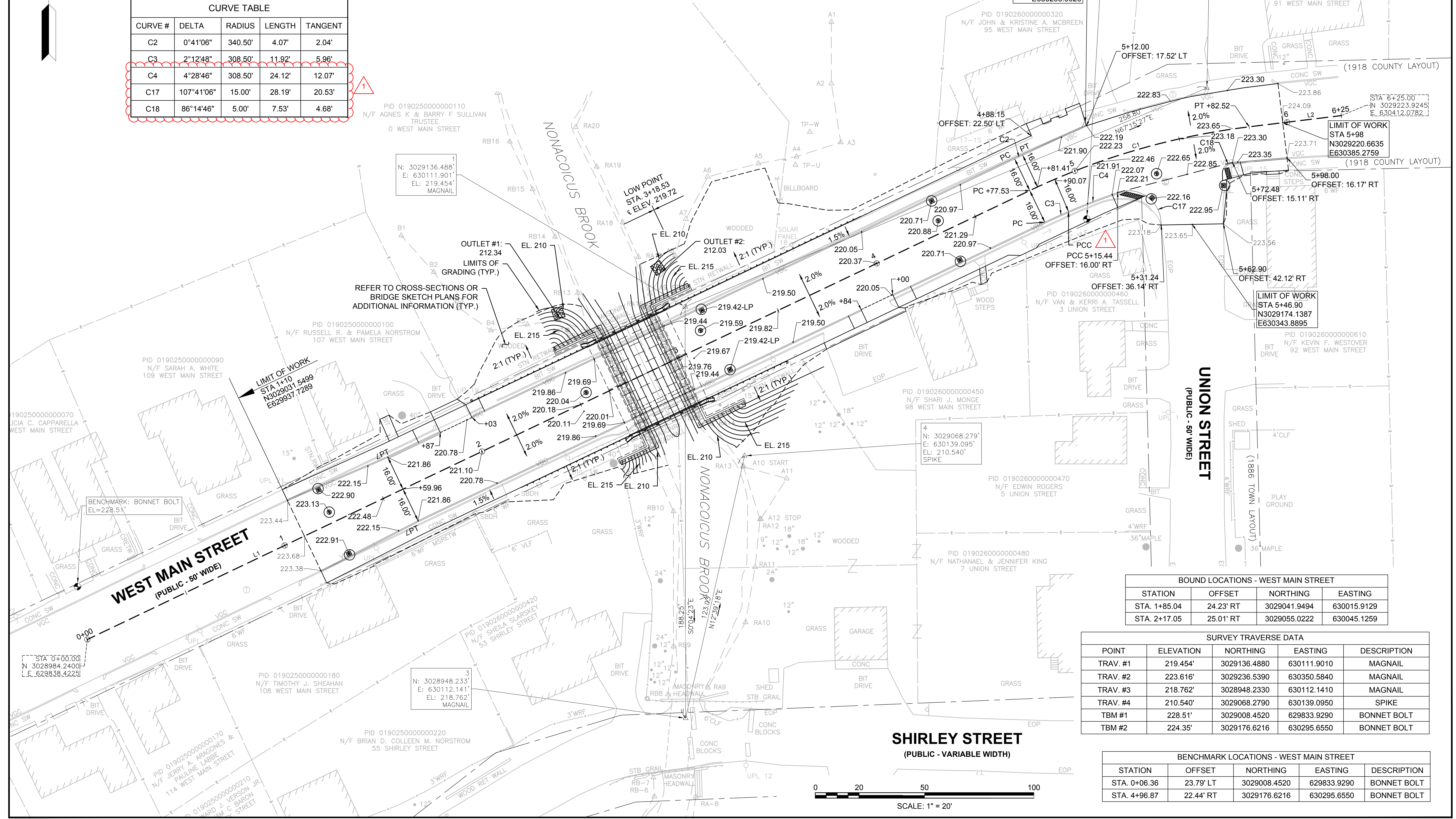
W MAIN STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L1	0+00.00	3028984.2400	629838.4225		N64°31'36"E 477.53'	4+77.53	3029189.6229	630269.5335
C1	4+77.53	3029189.6229	630269.5335	R = 324.50' Δ = 18°32'10" L = 104.98' T = 52.95'		5+82.52	3029218.7934	630369.9051
L2	5+82.52	3029218.7934	630369.9051		N83°03'47"E 42.48'	6+25.00	3029223.9245	630412.0782

CURVE TABLE				
CURVE #	DELTA	RADIUS	LENGTH	TANGENT
C2	0°41'06"	340.50'	4.07'	2.04'
C3	2°12'48"	308.50'	11.92'	5.96'
C4	4°28'46"	308.50'	24.12'	12.07'
C17	107°41'06"	15.00'	28.19'	20.53'
C18	86°14'46"	5.00'	7.53'	4.68'

- NOTE:
- 1) ALL OFFSETS ARE FROM THE WEST MAIN STREET BASELINE
 - 2) ALL ELEVATIONS ARE TO THE CENTER OF THE DRAINAGE STRUCTURE
 - 3) 2'-0" LEVEL SHELF TO BE INSTALLED BEHIND ALL GUARDRAIL AND SLOPED AT 2H:1V TO DAYLIGHT LINE

AYER WEST MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		8	44
T&B PROJECT FILE NO. 17-023.01			

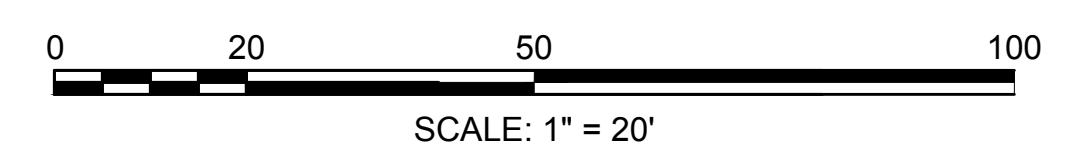
CURB TIE AND GRADING PLAN



BOUND LOCATIONS - WEST MAIN STREET			
STATION	OFFSET	NORTHING	EASTING
STA. 1+85.04	24.23' RT	3029041.9494	630015.9129
STA. 2+17.05	25.01' RT	3029055.0222	630045.1259

SURVEY TRAVERSE DATA				
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION
TRAV. #1	219.454'	3029136.4880	630111.9010	MAGNAIL
TRAV. #2	223.616'	3029236.5390	630350.5840	MAGNAIL
TRAV. #3	218.762'	3028948.2330	630112.1410	MAGNAIL
TRAV. #4	210.540'	3029068.2790	630139.0950	SPIKE
TBM #1	228.51'	3029008.4520	629833.9290	BONNET BOLT
TBM #2	224.35'	3029176.6216	630295.6550	BONNET BOLT

BENCHMARK LOCATIONS - WEST MAIN STREET				
STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
STA. 0+06.36	23.79' LT	3029008.4520	629833.9290	BONNET BOLT
STA. 4+96.87	22.44' RT	3029176.6216	630295.6550	BONNET BOLT

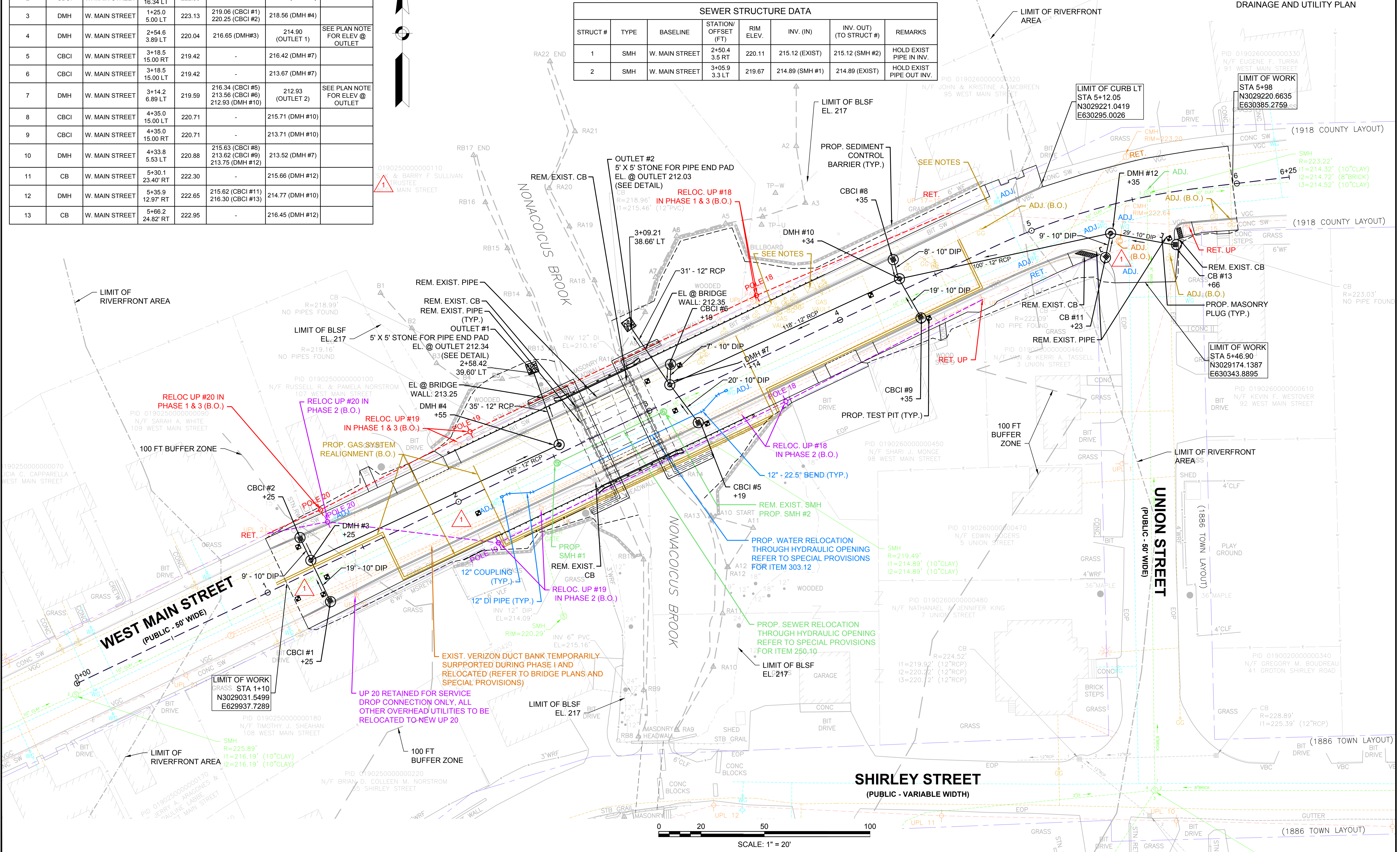


DRAINAGE STRUCTURE DATA							
STRUCT #	TYPE	BASELINE	STATION/OFFSET (FT)	RIM ELEV.	INV. (IN)	INV. OUT (TO STRUCT #)	REMARKS
1	CBCI	W. MAIN STREET	1+25.0 16.05 RT	222.91	-	219.16 (DMH #3)	
2	CBCI	W. MAIN STREET	1+25.0 16.34 LT	222.90	-	220.30 (DMH #3)	
3	DMH	W. MAIN STREET	1+25.0 5.00 LT	223.13	219.06 (CBCI #1) 220.25 (CBCI #2)	218.56 (DMH #4)	
4	DMH	W. MAIN STREET	2+54.6 3.89 LT	220.04	216.65 (DMH#3)	214.90 (OUTLET 1)	SEE PLAN NOTE FOR ELEV @ OUTLET
5	CBCI	W. MAIN STREET	3+18.5 15.00 RT	219.42	-	216.42 (DMH #7)	
6	CBCI	W. MAIN STREET	3+18.5 15.00 LT	219.42	-	213.67 (DMH #7)	
7	DMH	W. MAIN STREET	3+14.2 6.89 LT	219.59	216.34 (CBCI #5) 213.56 (CBCI #6) 212.93 (DMH #10)	212.93 (OUTLET 2)	SEE PLAN NOTE FOR ELEV @ OUTLET
8	CBCI	W. MAIN STREET	4+35.0 15.00 LT	220.71	-	215.71 (DMH #10)	
9	CBCI	W. MAIN STREET	4+35.0 15.00 RT	220.71	-	213.71 (DMH #10)	
10	DMH	W. MAIN STREET	4+33.8 5.53 LT	220.88	215.63 (CBCI #8) 213.62 (CBCI #9) 213.75 (DMH #12)	213.52 (DMH #7)	
11	CB	W. MAIN STREET	5+30.1 23.40 RT	222.30	-	215.66 (DMH #12)	
12	DMH	W. MAIN STREET	5+35.9 12.97 RT	222.65	215.62 (CBCI #11) 216.30 (CBCI #13)	214.77 (DMH #10)	
13	CB	W. MAIN STREET	5+66.2 24.82 RT	222.95	-	216.45 (DMH #12)	

- NOTES:**
- 1) ALL EXISTING GAS GATES AND VAULTS WITHIN THE LIMIT OF WORK SHALL BE ADJUSTED BY OTHERS.
 - 2) WORK SHALL BE COORDINATED WITH NATIONAL GRID REGARDING THE ONGOING PROJECT TO REPLACE THE GAS MAIN AND REGULATOR VAULTS/ GATES/ ETC. WITHIN THE PROJECT LIMIT, AS WELL AS THE TEMPORARY RELOCATION OF UTILITY POLES FOR THE REPLACEMENT OF THE BRIDGE.
 - 3) LOCATIONS OF RELOCATED UTILITY POLES HAS BEEN APPROXIMATED AND FINAL LOCATION TO BE COORDINATED IN THE FIELD WITH ALL OVERHEAD UTILITY COMPANIES.
 - 4) EXACT RELOCATION OF UNDERGROUND DUCT BANK IS TO BE DETERMINED BY VERIZON.
 - 5) FOR RELOCATED UTILITY POLE SUGGESTED COORDINATE NORTHINGS & EASTINGS. SEE BRIDGE PLANS.
 - 6) REFER TO CONTRACT BOOK AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING UTILITY RELOCATIONS AND COORDINATION REQUIRED AS PART OF CONTRACT.

AYER WEST MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		9	44
T&B PROJECT FILE NO.		17-023.01	
DRAINAGE AND UTILITY PLAN			

SEWER STRUCTURE DATA							
STRUCT #	TYPE	BASELINE	STATION/OFFSET (FT)	RIM ELEV.	INV. (IN)	INV. OUT (TO STRUCT #)	REMARKS
1	SMH	W. MAIN STREET	2+50.4 3.5 RT	220.11	215.12 (EXIST)	215.12 (SMH #2)	HOLD EXIST PIPE IN INV.
2	SMH	W. MAIN STREET	3+05.9 3.3 LT	219.67	214.89 (SMH #1)	214.89 (EXIST)	HOLD EXIST PIPE OUT INV.



TRAFFIC SIGN SUMMARY

SIGN ID NUMBER	SIZE		MESSAGE	DIMENSIONS (IN)			NUMBER REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (S.F.)	TOTAL AREA (S.F.)
	WIDTH (IN)	HEIGHT (IN)		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
R2-1 (25)	24	30		1	1	1	1	WHITE	BLACK	BLACK	P5 (1)	5.00	5.00
R2-1 (35)	24	30					1	WHITE	BLACK	BLACK	P5 (1)	5.00	5.00
R3-17	24	18					3	BLACK / WHITE	WHITE / BLACK	WHITE / BLACK	P5 (4)	3.00	9.00
R3-17aP	24	12					1	WHITE	BLACK	BLACK	MOUNT WITH R3-17	2.00	2.00
R3-17bP	24	12					1	WHITE	BLACK	BLACK	MOUNT WITH R3-17	2.00	2.00
R1-1	30	30					1	RED	WHITE	WHITE	P5 (1)	6.25	6.25
TOTAL AREA OF SIGNS (SQUARE FEET)												29.25	

SIGN SUMMARY NOTES:

- HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" 2009 EDITION, THE 1996 MASSDOT CONSTRUCTION AND TRAFFIC STANDARD DETAILS, AND ALL ADMENDMENTS WILL GOVERN.
- SEE MUTCD 2009 EDITION, 2004 STD. HWY. SIGNS AND SECTION M9.30.0 TYPE III OF THE LATEST MASSDOT STANDARD SPECIFICATION FOR TEXT DIMENSIONS AND COLOR.

GENERAL NOTES:

- ANY EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.
- ALL CROSSWALKS ARE 8 FEET WIDE UNLESS OTHERWISE NOTED.
- ALL SIGNS DEEMED SUITABLE FOR REUSE SHALL BE DETERMINED BY THE RESIDENT ENGINEER AND SHALL BE PAID UNDER THE RESPECTIVE ITEM NUMBERS.
- ALL EXISTING SIGNS TO BE REMOVED AND RESET ARE TO BE R&R IN PLACE, UNLESS OTHERWISE NOTED.
- ALL PROPOSED PAVEMENT MARKINGS ARE TO BE THERMOPLASTIC LINES.
- ALL SIGNS SHALL HAVE A 2' MINIMUM CLEARANCE BETWEEN EDGE OF SIGN AND FACE OF CURB.
- ALL SIGNS SHALL HAVE A 7' MINIMUM VERTICAL CLEARANCE BETWEEN BOTTOM OF SIGN AND THE TOP OF SIDEWALK.
- STOP LINES SHALL BE OFFSET FROM THE ADJACENT CROSSWALK 5 FEET ON-CENTER UNLESS OTHERWISE NOTED.

SIGN LEGEND

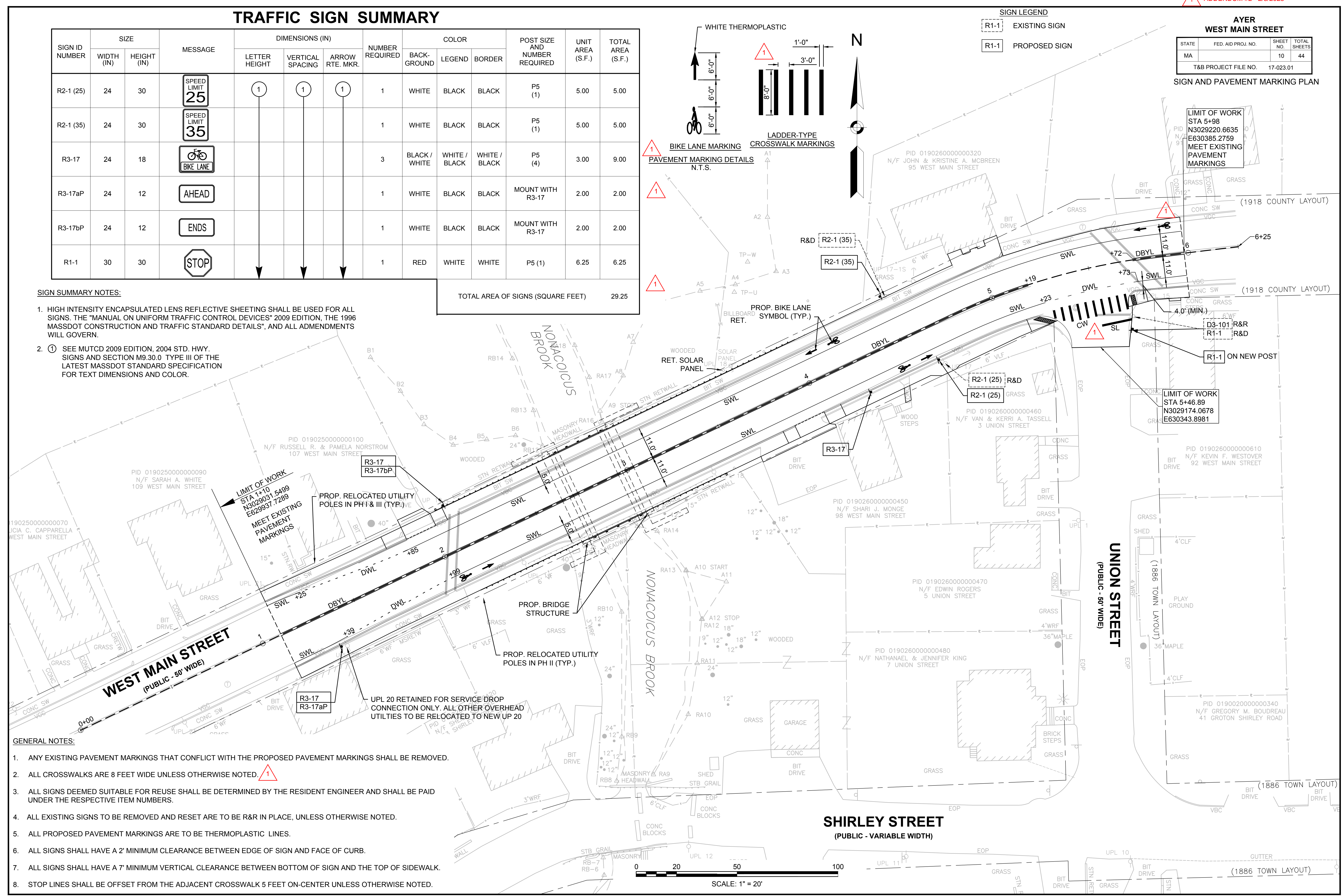
- EXISTING SIGN
- PROPOSED SIGN

AYER WEST MAIN STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		10	44

T&B PROJECT FILE NO. 17-023.01

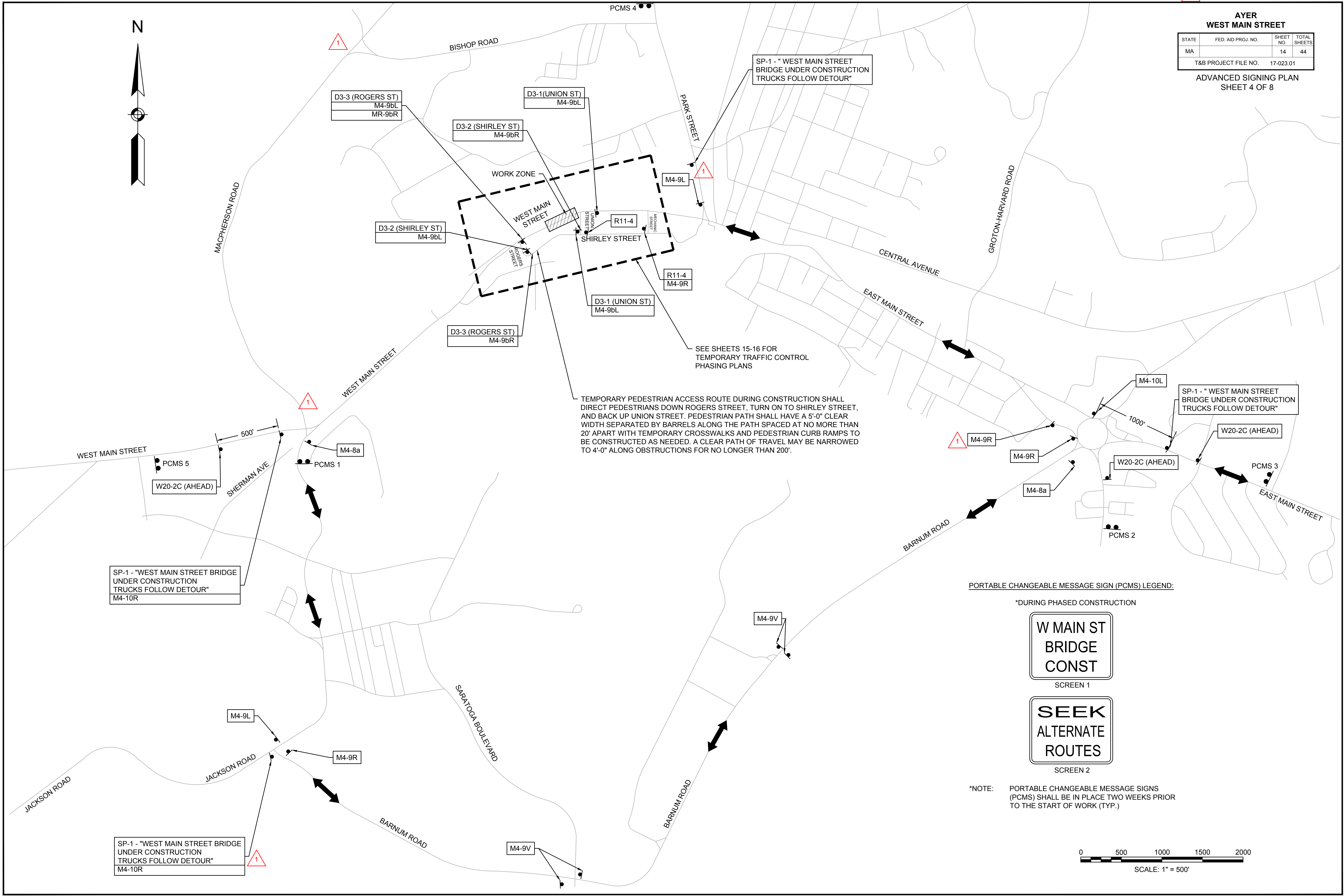
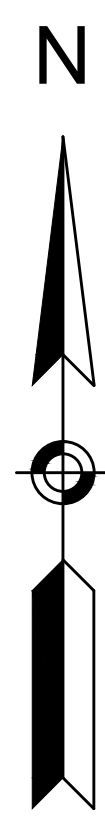
SIGN AND PAVEMENT MARKING PLAN



**AYER
WEST MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		14	44
T&B PROJECT FILE NO.		17-023.01	

**ADVANCED SIGNING PLAN
SHEET 4 OF 8**



SP-1 - " WEST MAIN STREET BRIDGE UNDER CONSTRUCTION TRUCKS FOLLOW DETOUR"

SP-1 - " WEST MAIN STREET BRIDGE UNDER CONSTRUCTION TRUCKS FOLLOW DETOUR"

SP-1 - " WEST MAIN STREET BRIDGE UNDER CONSTRUCTION TRUCKS FOLLOW DETOUR"
M4-10R

SP-1 - " WEST MAIN STREET BRIDGE UNDER CONSTRUCTION TRUCKS FOLLOW DETOUR"
M4-10R

TEMPORARY PEDESTRIAN ACCESS ROUTE DURING CONSTRUCTION SHALL DIRECT PEDESTRIANS DOWN ROGERS STREET, TURN ON TO SHIRLEY STREET, AND BACK UP UNION STREET. PEDESTRIAN PATH SHALL HAVE A 5'-0" CLEAR WIDTH SEPARATED BY BARRELS ALONG THE PATH SPACED AT NO MORE THAN 20' APART WITH TEMPORARY CROSSWALKS AND PEDESTRIAN CURB RAMPS TO BE CONSTRUCTED AS NEEDED. A CLEAR PATH OF TRAVEL MAY BE NARROWED TO 4'-0" ALONG OBSTRUCTIONS FOR NO LONGER THAN 200'.

SEE SHEETS 15-16 FOR TEMPORARY TRAFFIC CONTROL PHASING PLANS

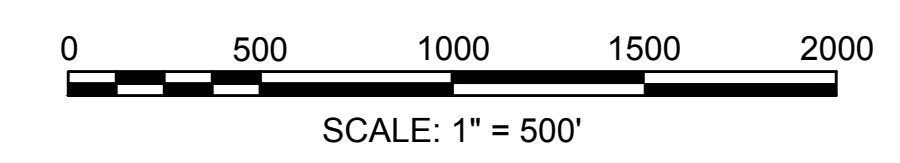
PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) LEGEND:

*DURING PHASED CONSTRUCTION

**W MAIN ST
BRIDGE
CONST**
SCREEN 1

**SEEK
ALTERNATE
ROUTES**
SCREEN 2

*NOTE: PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE IN PLACE TWO WEEKS PRIOR TO THE START OF WORK (TYP.)



TEMPORARY CONSTRUCTION SIGN SUMMARY

**AYER
WEST MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		18	44
T&B PROJECT FILE NO.		17-023.01	

**TRAFFIC MANAGEMENT PLANS
SHEET 8 OF 8**

SIGN ID NUMBER	SIZE		MESSAGE	DIMENSIONS (IN)			NUMBER REQUIRED	COLOR		
	WIDTH (IN)	HEIGHT (IN)		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER
MA-R2-10a	60	48		2	2	2	2	ORANGE WHITE	BLACK	BLACK
MA-R2-10e	48	60		↓	↓	↓	2	ORANGE WHITE	BLACK	BLACK
M4-8a	24	18		1	1	1	2	ORANGE	BLACK	BLACK
M4-9L	30	24					2	ORANGE	BLACK	BLACK
M4-9R	30	24					4	ORANGE	BLACK	BLACK
M4-9V	30	24					5	ORANGE	BLACK	BLACK
M4-10L	48	18					1	BLACK ORANGE	BLACK	BLACK
M4-10R	48	18					2	BLACK ORANGE	BLACK	BLACK
R10-6	24	36					2	WHITE	BLACK	BLACK
M4-9bR	30	24					3	ORANGE	BLACK	BLACK
M4-9bL	30	24					4	ORANGE	BLACK	BLACK
R9-11aR	24	12					1	WHITE	BLACK	BLACK
R9-11aL	24	12					1	WHITE	BLACK	BLACK
R9-9	24	12					4	WHITE	BLACK	BLACK
R10-11	24	30					3	WHITE	BLACK	BLACK
R10-27 (MOD.)	36	36					3	WHITE	BLACK	BLACK
MA-W20-7b	36	36					3	ORANGE	BLACK	BLACK
W5-1	36	36					1	ORANGE	BLACK	BLACK
W20-4	36	36					3	ORANGE	BLACK	BLACK
W21-5a	36	36		↓	↓	↓	1	ORANGE	BLACK	BLACK

SIGN ID NUMBER	SIZE		MESSAGE	DIMENSIONS (IN)			NUMBER REQUIRED	COLOR		
	WIDTH (IN)	HEIGHT (IN)		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER
R11-4	60	30		1	1	1	1	WHITE	BLACK	BLACK
R11-2	48	30					2	WHITE	BLACK	BLACK
W1-4R	36	36					1	ORANGE	BLACK	BLACK
W3-3	36	36					2	ORANGE	BLACK	BLACK
W13-1 (25)	24	24					2	ORANGE	BLACK	BLACK
W20-1	36	36					2	ORANGE	BLACK	BLACK
W20-2c	36	36					2	ORANGE	BLACK	BLACK
W20-4c	36	36					2	ORANGE	BLACK	BLACK
D3-1	32	12					2	ORANGE	BLACK	BLACK
D3-2	36	12					2	ORANGE	BLACK	BLACK
D3-3	36	12		↓	↓	↓	3	ORANGE	BLACK	BLACK
SP-1	-	-		2	2	2	4	ORANGE	BLACK	BLACK

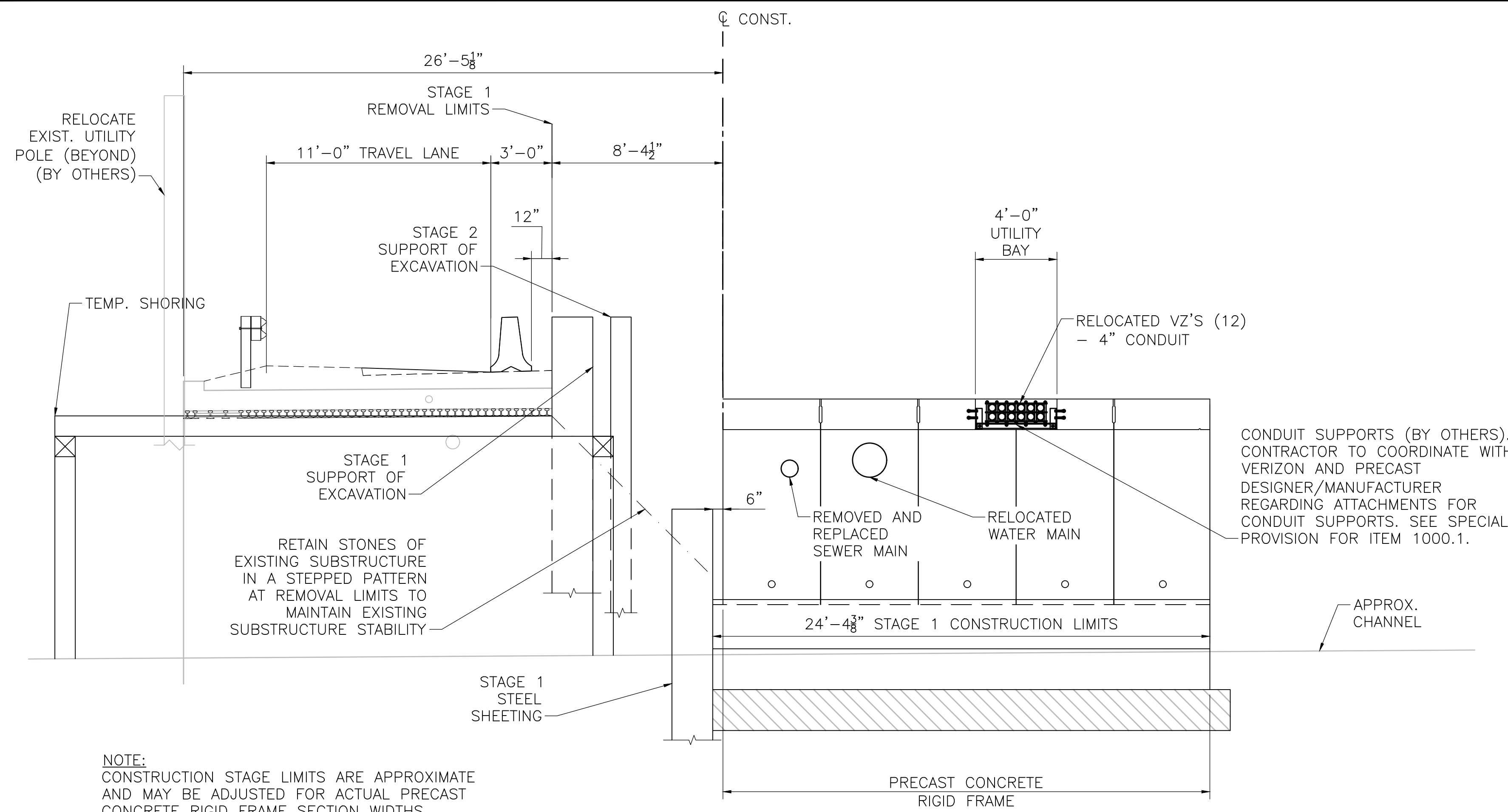


SIGN SUMMARY NOTES:

- HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" 2009 EDITION, THE 1996 MASSDOT CONSTRUCTION AND TRAFFIC STANDARD DETAILS", AND ALL ADMENDMENTS WILL GOVERN.
- NUMERICAL LIMITS AND JUSTIFICATION FOR SPEED & ADVISORY EXIT SPEED SIGNS SHALL BE DETERMINED BY THE ENGINEER OR THE AYER DPW SUPERINTENDENT.
- ① SEE MUTCD 2009 EDITION, 2004 STD. HWY. SIGNS AND SECTION M9.30.0 TYPE III OF THE MASSDOT STANDARD SPECIFICATION FOR TEXT DIMENSIONS AND COLOR.
② SEE MASSDOT SIGN STANDARDS.

AYER WEST MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	27	44
PROJECT FILE NO. 17-023.01			

STAGE CONSTRUCTION SECTION II



NOTE:
CONSTRUCTION STAGE LIMITS ARE APPROXIMATE
AND MAY BE ADJUSTED FOR ACTUAL PRECAST
CONCRETE RIGID FRAME SECTION WIDTHS.

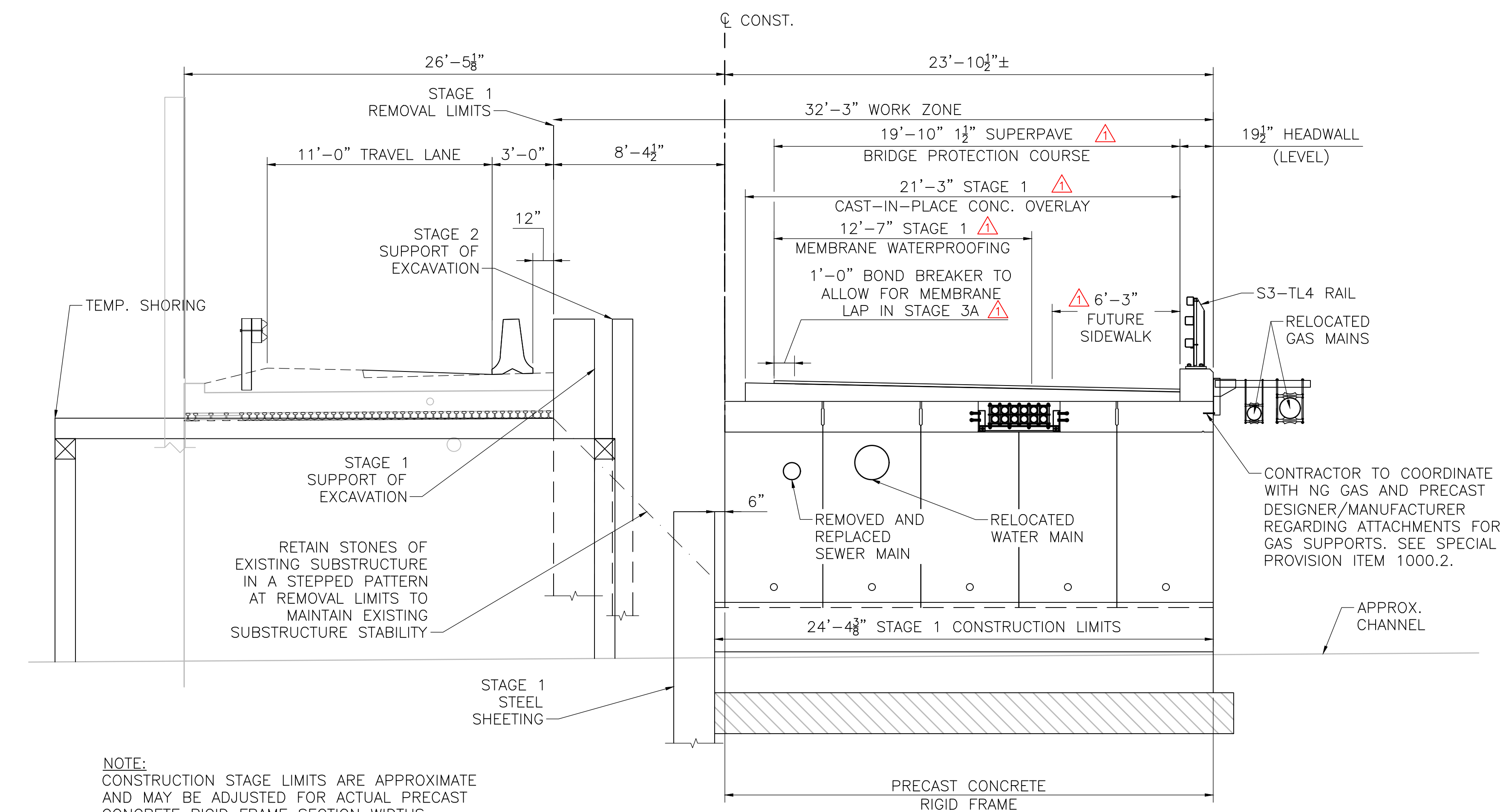
STAGE 1B CONSTRUCTION

SCALE: 1/4" = 1'-0"

STAGE 1 - CONSTRUCTION (CONTINUED)

STAGE 1B

- IF NOT ALREADY RELOCATED PER STAGE 1A NOTE 11, TEMPORARILY RELOCATE WATER MAIN AND SEWER MAIN.
- REMOVE SUPERSTRUCTURE TO STAGE 1 REMOVAL LIMITS.
- REMOVE SUBSTRUCTURE TO THE APPROXIMATE LIMITS INDICATED.
- INSTALL STAGE 1B STEEL SHEETING, TO BE LEFT IN PLACE, AT STAGE 1 CONSTRUCTION LIMITS OF CAST-IN-PLACE FOOTING AND PEDESTAL. COORDINATE LATERAL ADJUSTMENT OF TEMPORARILY SUPPORTED CONDUIT WITH VERIZON/VERIZON'S REPRESENTATIVE IN ORDER TO INSTALL STAGE 1B SHEETING AND COMPLY WITH NATIONAL GRID GENERAL GUIDELINES FOR WORKING AROUND GAS UTILITIES (TYP.).
- INSTALL STEEL SHEETING TO BE LEFT IN PLACE ALONG FOOTING TOE, CONSTRUCT CAST-IN-PLACE FOOTINGS AND PEDESTALS UP TO STAGE 1B STEEL SHEETING, AND INSTALL PARTIALLY GROUTED RIPRAP.
- INSTALL PRECAST RIGID FRAME AND WINGWALLS WITHIN STAGE 1 LIMITS OF CONSTRUCTION.
- RELOCATE WATER MAIN AND SEWER MAIN TO PERMANENT LOCATIONS.
- CONSTRUCT PERMANENT UTILITY SUPPORT IN STAGE 1 SEGMENT OF THE BRIDGE AND RELOCATE (12) 4" CONDUITS ONTO THE FINAL SUPPORTS (BY OTHERS).
- REMOVE UTILITY BRIDGE (BY OTHERS).



NOTE:
CONSTRUCTION STAGE LIMITS ARE APPROXIMATE
AND MAY BE ADJUSTED FOR ACTUAL PRECAST
CONCRETE RIGID FRAME SECTION WIDTHS.

STAGE 1C CONSTRUCTION

SCALE: 1/4" = 1'-0"

STAGE 1C

- CONSTRUCT HEADWALL PORTION OF THE SOUTH CAST-IN-PLACE SIDEWALK.
- INSTALL STAGE 2 SUPPORT OF EXCAVATION AND BACKFILL RIGID FRAME.
- INSTALL EASTBOUND BRIDGE RAILING AND APPROACH RAILING.
- COORDINATE RELOCATION OF OVERHEAD UTILITIES AND POLE #18 AND #19 AS SHOWN.
- CONSTRUCT CAST-IN-PLACE CONCRETE OVERLAY AND INSTALL MEMBRANE WATERPROOFING TO THE STAGE 1 LIMITS SHOWN. INSTALLATION AND PROTECTION OF MEMBRANE WATERPROOFING SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- INSTALL NEW 8" AND 12" DIAMETER GAS LINE, TO REPLACE EXISTING 4" AND 8" DIAMETER GAS LINE, IN PERMANENT LOCATION (BY OTHERS). INSTALL TO STAGE 1 LIMITS AND CAP TO BE CONNECTED AND BROUGHT ONLINE DURING STAGE 2 (TO BE COORDINATED WITH GAS UTILITY).
- REMOVE AND RESET BRACED PORTABLE CONCRETE BARRIER.

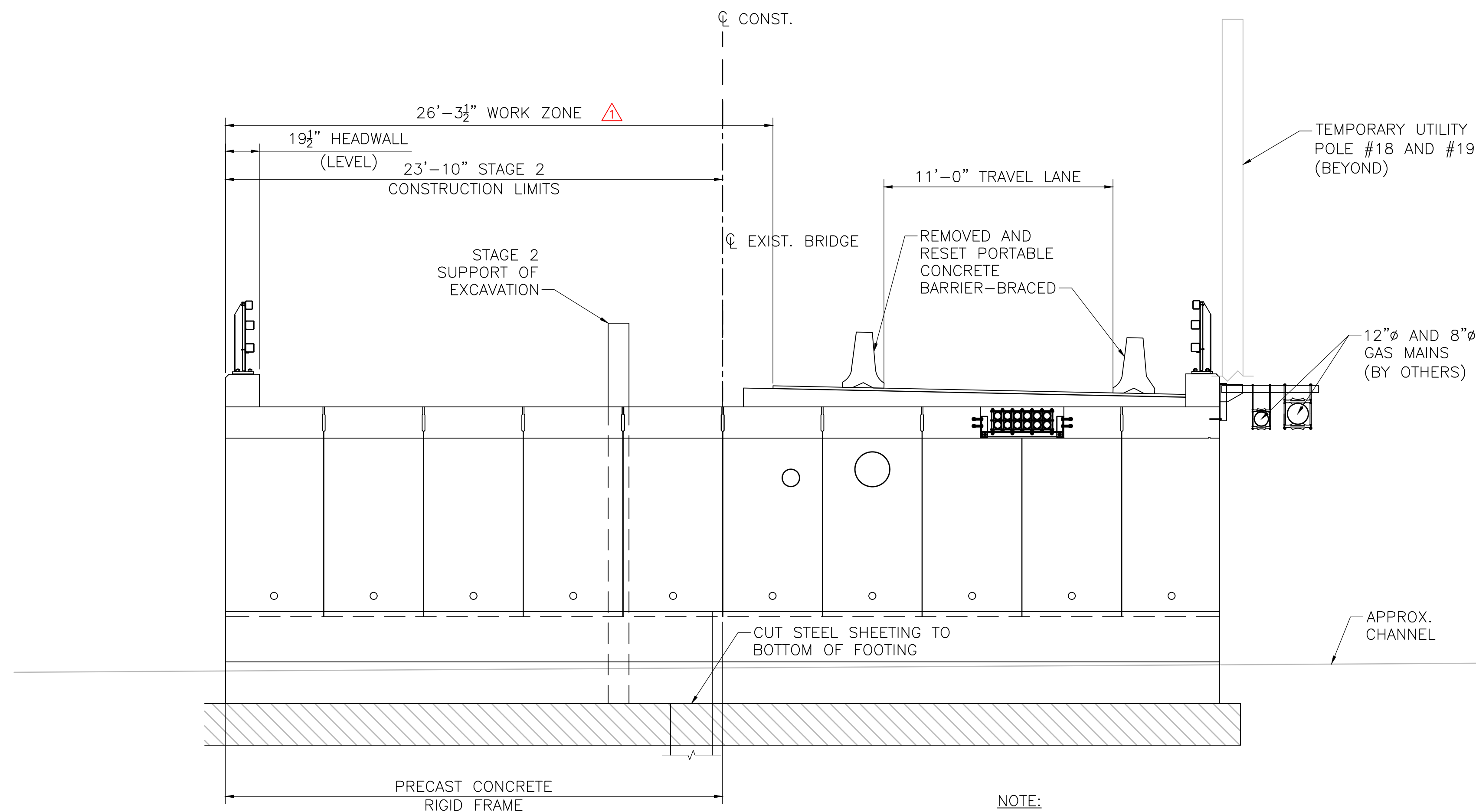
FEBRUARY 14, 2025	ADJUSTMENT TO OVERLAY JOINT AND MEMBRANE WATERPROOFING LIMITS
	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
	USE ONLY PRINTS OF LATEST DATE

AYER WEST MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	28	44
PROJECT FILE NO. 17-023.01			

STAGE CONSTRUCTION SECTION III

STAGE CONSTRUCTION SECTION III.DWG Plotted on 3-Feb-2025 10:09 AM

924001 Final Structural Submittal (SF) 3 February 2025



STAGE 2 CONSTRUCTION

SCALE: 1/4" = 1'-0"

NOTE:
CONSTRUCTION STAGE LIMITS ARE APPROXIMATE
AND MAY BE ADJUSTED FOR ACTUAL PRECAST
CONCRETE RIGID FRAME SECTION WIDTHS.

STAGE 2 – CONSTRUCTION

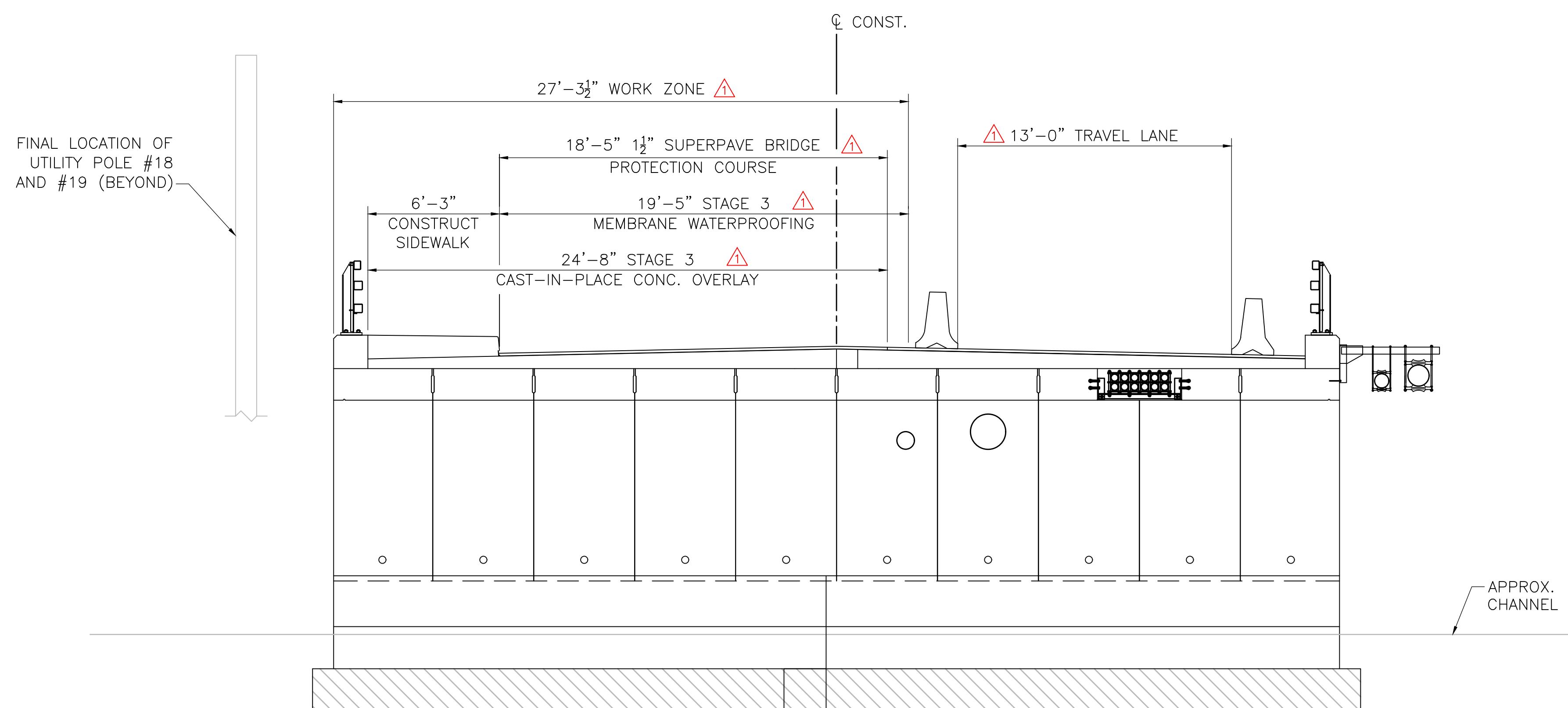
STAGE 2

1. SHIFT TRAFFIC TO THE EASTBOUND SIDE OF WEST MAIN STREET AND ACCOMMODATE ONE LANE OF ALTERNATING TWO-WAY TRAFFIC.
2. EXCAVATE FOR STAGE 2 CONSTRUCTION AND REMOVE STAGE 1 SUPPORT OF EXCAVATION. COORDINATE WITH GAS UTILITY FOR CONNECTION AND REMOVAL OF ABANDONED GAS LINES.
3. REMOVE ABANDONED PORTIONS OF 4" AND 8" DIAMETER GAS MAINS. COORDINATE WITH GAS UTILITY FOR CONNECTION AND REMOVAL OF ABANDONED GAS LINES.
4. REMOVE TEMPORARY SHORING, REMAINING PORTION OF SUPERSTRUCTURE AND REMAINING PORTION OF SUBSTRUCTURE.
5. CUT STAGE 1 STEEL SHEETING AT PHASE CONSTRUCTION JOINT TO BOTTOM OF FOOTING.
6. INSTALL REMAINING SECTIONS OF STEEL SHEETING TO BE LEFT IN PLACE ALONG FOOTING TOE, CONSTRUCT REMAINING PORTIONS OF CAST-IN-PLACE FOOTING AND PEDESTAL, AND INSTALL PARTIALLY GROUTED RIPRAP.
7. INSTALL PRECAST RIGID FRAME WITHIN STAGE 2 LIMITS OF CONSTRUCTION.
8. BACKFILL BEHIND STAGE 2 RIGID FRAMES AND REMOVE STAGE 2 SUPPORT OF EXCAVATION.
9. REMOVE WATER DIVERSION.
10. CONSTRUCT NORTH CURB AND INSTALL BRIDGE AND APPROACH RAILING.
11. COORDINATE THE RELOCATION OF OVERHEAD UTILITIES AND POLE #18 AND #19 TO THE FINAL LOCATIONS SHOWN.
12. CONSTRUCT CAST-IN-PLACE CONCRETE OVERLAY AND INSTALL MEMBRANE WATERPROOFING TO THE STAGE 2 LIMITS SHOWN. INSTALLATION AND PROTECTION OF MEMBRANE WATERPROOFING SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
13. PAVE SUPERPAVE BRIDGE PROTECTIVE COURSE TO THE STAGE 2 LIMITS SHOWN.

STAGE 3 – REMAINING WORK

STAGE 3A

1. CONSTRUCT CAST-IN-PLACE CONCRETE OVERLAY TO THE STAGE 3A LIMITS SHOWN. CONSTRUCT THE NORTH SIDEWALK AND INSTALL MEMBRANE WATERPROOFING TO THE STAGE 3A LIMITS SHOWN. INSTALLATION AND PROTECTION OF MEMBRANE WATERPROOFING SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
2. MAINTAIN TRAFFIC TO THE EASTBOUND SIDE OF WEST MAIN STREET AND ACCOMMODATE ONE LANE OF ALTERNATING TWO-WAY TRAFFIC.
3. CONSTRUCT REMAINING PORTION OF NORTH SIDEWALK AND CAST-INPLACE CONCRETE OVERLAY.



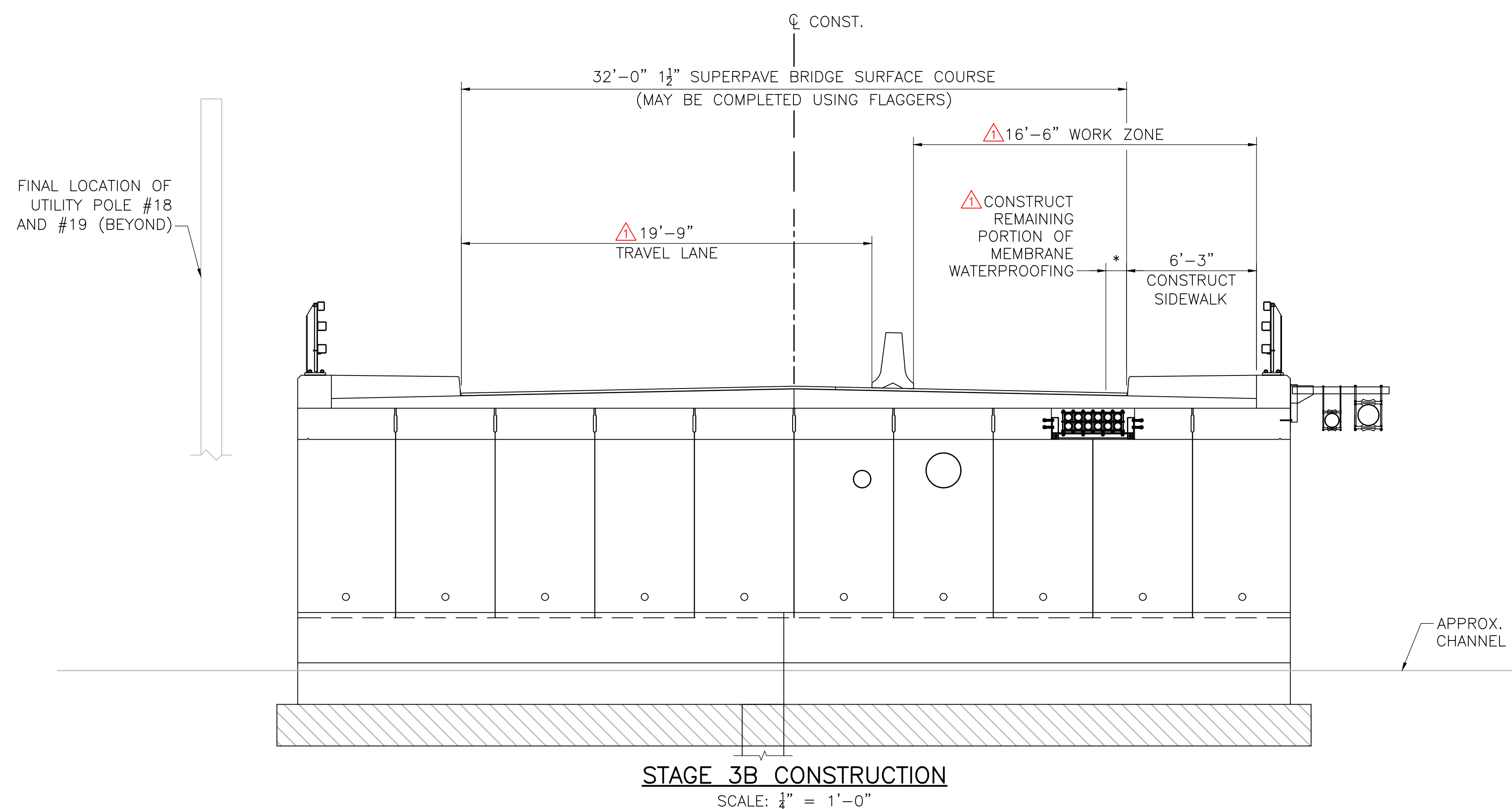
STAGE 3A CONSTRUCTION

SCALE: 1/4" = 1'-0"

FEBRUARY 14, 2025	MINOR ADJUSTMENT TO OVERLAY JOINT AND STAGING LIMITS
	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
	USE ONLY PRINTS OF LATEST DATE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	29	44


PROJECT FILE NO. 17-023.01
STAGE CONSTRUCTION
SECTION IV




STAGE 3B CONSTRUCTION
SCALE: 1/4" = 1'-0"

STAGE 3 – REMAINING WORK (CONTINUED)

STAGE 3B

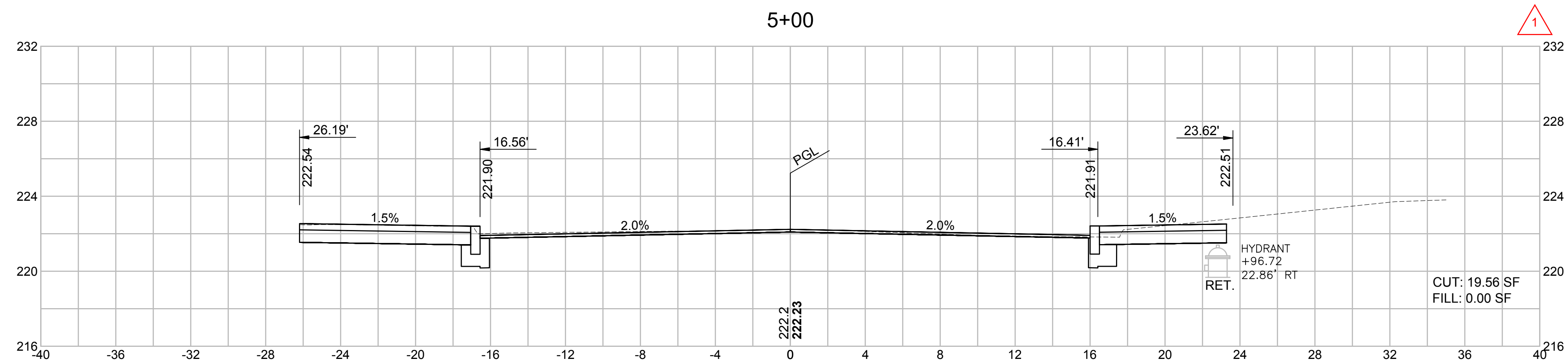
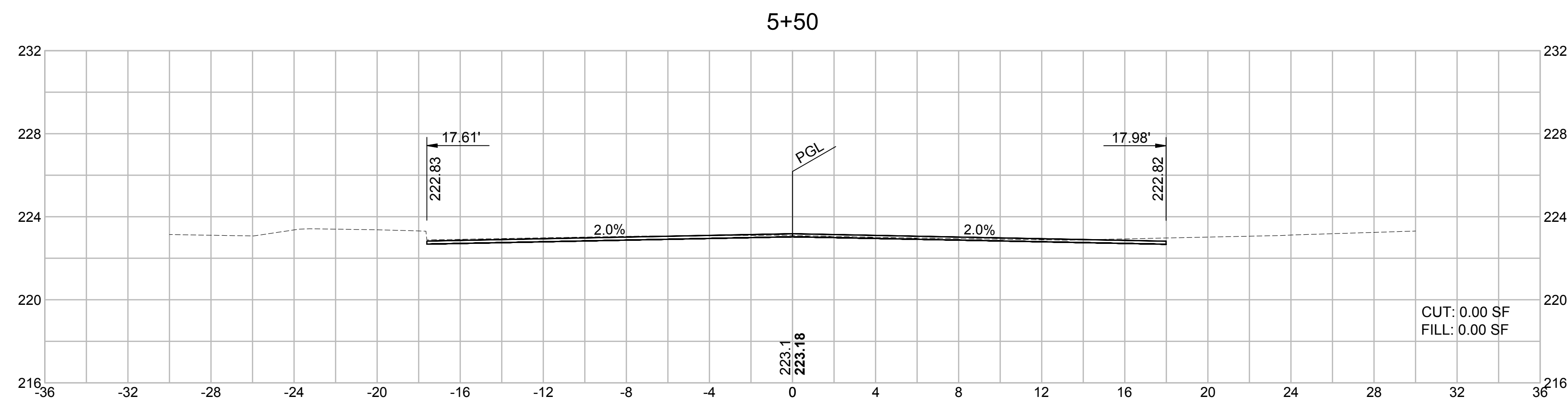
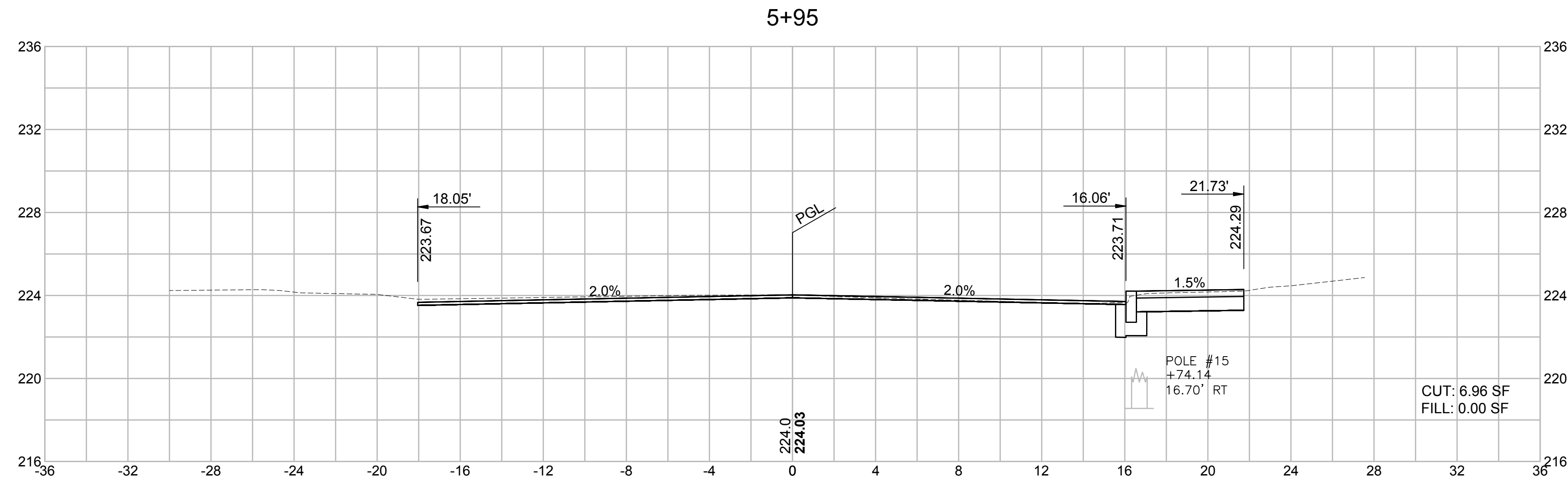
1. ACCOMMODATE PEDESTRIAN TRAFFIC ON THE NORTH SIDEWALK
2. SHIFT TRAFFIC TO THE WESTBOUND SIDE OF WEST MAIN STREET AND ACCOMMODATE ONE LANE OF ALTERNATING TWO-WAY TRAFFIC.
3. CONSTRUCT THE SOUTH SIDEWALK.
4. REMOVE PORTABLE CONCRETE BARRIER-BRACED AND RESTORE TWO-WAY TRAFFIC.
5.  INSTALL REMAINING PORTION OF MEMBRANE WATERPROOFING TO THE CONSTRUCTED SIDEWALK SHOWN. INSTALLATION AND PROTECTION OF MEMBRANE WATERPROOFING SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
6. PAVE SUPERPAVE BRIDGE SURFACE COURSE. FLAGGERS MAY BE NEEDED FOR PAVING OPERATIONS.

FEBRUARY 14, 2025		ADDITIONAL MEMBRANE WATERPROOFING AND NOTE
DATE		ISSUED FOR CONSTRUCTION
		DESCRIPTION
		USE ONLY PRINTS OF LATEST DATE

**AYER
WEST MAIN STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		44	44
T&B PROJECT FILE NO.		17-023.01	

**CROSS SECTIONS - WEST MAIN STREET
SHEET 4 OF 4**



E: The subdivision of the proposed contract price is as follows:

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
102.	0.20	SELECTIVE CLEARING AND THINNING AT PER ACRE				
102.1	200	TREE TRIMMING AT PER FOOT				
*102.511	2	TREE PROTECTION - ARMORING & PRUNING AT PER EACH				
*102.521	200	TREE AND PLANT PROTECTION FENCE AT PER FOOT				
103.	2	TREE REMOVED-DIAMETER UNDER 24 INCHES AT PER EACH				
104.	5	TREE REMOVED-DIAMETER 24 INCHES AND OVER AT PER EACH				
*115.1	1	DEMOLITION OF BRIDGE NO. A-19-014 (79A) AT PER LUMP SUM				
*119.	1	RODENT CONTROL AT PER LUMP SUM				
*120.1	1,500	UNCLASSIFIED EXCAVATON AT PER CUBIC YARD				
140.	700	BRIDGE EXCAVATION AT PER CUBIC YARD				
141.1	50	TEST PIT FOR EXPLORATION AT PER CUBIC YARD				

*Denotes Special Provision

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
142.	15	CLASS B TRENCH EXCAVATION AT PER CUBIC YARD				
143.	350	CHANNEL EXCAVATION AT PER CUBIC YARD				
144.	15	CLASS B ROCK EXCAVATION AT PER CUBIC YARD				
146.	5	DRAINAGE STRUCTURE REMOVED AT PER EACH				
150.	700	ORDINARY BORROW AT PER CUBIC YARD				
151.	440	GRAVEL BORROW AT PER CUBIC YARD				
151.1	100	GRAVEL BORROW FOR BRIDGE FOUNDATION AT PER CUBIC YARD				
151.2	450	GRAVEL BORROW FOR BACKFILLING STRUCTURES AND PIPES AT PER CUBIC YARD				
156.	950	CRUSHED STONE AT PER TON				
170.	2,000	FINE GRADING AND COMPACTING - SUBGRADE AREA AT PER SQUARE YARD				
*200.1	1	DRAINAGE & WATER SYSTEM AS-BUILT DRAWINGS AT PER LUMP SUM				
201.	10	CATCH BASIN AT PER EACH				

*Denotes Special Provision

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
202.	7	MANHOLE AT PER EACH				
204.	1	GUTTER INLET AT PER EACH				
*210.1	2	SANITARY SEWER MANHOLE MUNICIPAL STANDARD AT PER EACH				
220.	24	DRAINAGE STRUCTURE ADJUSTED AT PER EACH				
220.2	10	DRAINAGE STRUCTURE REBUILT AT PER FOOT				
220.3	1	DRAINAGE STRUCTURE CHANGE IN TYPE AT PER EACH				
220.5	8	DRAINAGE STRUCTURE REMODELED AT PER EACH				
*220.6	10	SANITARY STRUCTURE REBUILT AT PER FOOT				
220.7	6	SANITARY STRUCTURE ADJUSTED AT PER EACH				
*220.8	2	SANITARY STRUCTURE REMODELED AT PER EACH				
*222.3	18	FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD AT PER EACH				
223.2	8	FRAME AND GRATE (OR COVER) REMOVED AND DISCARDED AT PER EACH				

*Denotes Special Provision

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
224.10	8	10 INCH HOOD AT PER EACH				
227.3	12	REMOVAL OF DRAINAGE STRUCTURE SEDIMENT AT PER CUBIC YARD				
227.31	50	REMOVAL OF DRAINAGE PIPE SEDIMENT AT PER FOOT				
227.4	25	MASONRY PLUG AT PER SQUARE FOOT				
238.10	140	10 INCH DUCTILE IRON PIPE AT PER FOOT				
243.12	470	12 INCH REINFORCED CONCRETE PIPE CLASS IV AT PER FOOT				
*250.10	1	10 INCH POLYVINYLCHLORIDE SANITARY SEWER PIPE AT PER LUMP SUM				
258.	10	STONE FOR PIPE ENDS AT PER SQUARE YARD				
*303.12	1	12 INCH DUCTILE IRON WATER PIPE (MECHANICAL JOINT) AT PER LUMP SUM				
*350.12	1	12 INCH GATE AND GATE BOX AT PER EACH				
358.	16	GATE BOX ADJUSTED AT PER EACH				
*381.	2	SERVICE BOX AT PER EACH				



*Denotes Special Provision

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
381.25	2	SERVICE BOX REMOVED AND DISCARDED AT PER EACH				
381.3	6	SERVICE BOX ADJUSTED AT PER EACH				
402.	150	DENSE GRADED CRUSHED STONE FOR SUB-BASE AT PER CUBIC YARD				
415.2	600	PAVEMENT FINE MILLING AT PER SQUARE YARD				
440.	4,000	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL AT PER LB				
443.	4	WATER FOR ROADWAY DUST CONTROL AT PER MGL				
450.23	180	SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5) AT PER TON				
450.32	175	SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) AT PER TON				
450.42	315	SUPERPAVE BASE COURSE - 37.5 (SBC-37.5) AT PER TON				
450.61	10	SUPERPAVE BRIDGE SURFACE COURSE - 12.5 (SSC-B - 12.5) AT PER TON				
450.71	10	SUPERPAVE BRIDGE PROTECTIVE COURSE - 12.5 (SPC-B - 12.5) AT PER TON				
*450.99	35	TEMPORARY HOT MIX ASPHALT AT PER TON				

*Denotes Special Provision

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
451.	35	HMA FOR PATCHING AT PER TON				
452.	165	ASPHALT EMULSION FOR TACK COAT AT PER GAL				
453.	4,920	HMA JOINT ADHESIVE AT PER FOOT				
472.	250	TEMPORARY ASPHALT PATCHING AT PER TON				
482.4	35	SAWCUTTING PORTLAND CEMENT CONCRETE AT PER FOOT				
504.	570	GRANITE CURB TYPE VA4 - STRAIGHT AT PER FOOT				
504.1	35	GRANITE CURB TYPE VA4 - CURVED AT PER FOOT				
509.	10	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT AT PER FOOT				
509.1	15	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED AT PER FOOT				
514.	6	GRANITE CURB INLET - STRAIGHT AT PER EACH				
515.	1	GRANITE CURB INLET - CURVED AT PER EACH				
516.	2	GRANITE CURB CORNER TYPE A AT PER EACH				

*Denotes Special Provision



TOWN OF AYER - WEST MAIN STREET BRIDGE REPLACEMENT

BID FORM

CONTRACT # 25DPW14

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
580.	150	CURB REMOVED AND RESET AT PER FOOT				
594.	25	CURB REMOVED AND DISCARDED AT PER FOOT				
620.13	75	GUARDRAIL, TL-3 (SINGLE FACED) AT PER FOOT				
627.1	2	TRAILING ANCHORAGE AT PER EACH				
627.82	2	GUARDRAIL TANGENT END TREATMENT, TL-2 AT PER EACH				
628.24	4	TRANSITION TO BRIDGE RAIL AT PER EACH				
628.31	4	TEMPORARY IMPACT ATTENUATOR FOR SHLDR, INCAPABLE OF REDIRECTION AT PER EACH				
*628.4	10	TEMPORARY IMPACT ATTENUATOR REMOVED AND RESET AT PER EACH				
630.2	325	HIGHWAY GUARD REMOVED AND DISCARDED AT PER FOOT				
*657.	750	TEMPORARY FENCE AT PER FOOT				
*657.5	750	TEMPORARY FENCE REMOVED AND RESET AT PER FOOT				
670.	50	FENCE REMOVED AND RESET AT PER FOOT				

*Denotes Special Provision

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
*697.1	13	SILT SACK AT PER EACH				
701.	550	CEMENT CONCRETE SIDEWALK AT PER SQUARE YARD				
701.1	60	CEMENT CONCRETE SIDEWALK AT DRIVEWAYS AT PER SQUARE YARD				
701.2	20	CEMENT CONCRETE PEDESTRIAN CURB RAMP AT PER SQUARE YARD				
702.	15	HOT MIX ASPHALT SIDEWALK OR DRIVEWAY AT PER TON				
748.	1	MOBILIZATION AT PER LUMP SUM				
751.1	125	LOAM FOR LAWNS AT PER CUBIC YARD				
*755.	50	WETLAND REPLICATION AREA AT PER SQUARE YARD				
*755.9	24	PROFESSIONAL WETLAND SPECIALIST AT PER HR				
*756.	1	NPDES STORMWATER POLLUTION PREVENTION PLAN AT PER LUMP SUM				
*765.	850	SEEDING AT PER SQUARE YARD				
*767.121	500	SEDIMENT CONTROL BARRIER AT PER FOOT				

*Denotes Special Provision

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
767.31	20	STRAW MULCH AT PER SQUARE YARD				
767.6	5	AGED PINE BARK MULCH AT PER CUBIC YARD				
*767.9	500	MATting FOR EROSION CONTROL AT PER SQUARE YARD				
769.	300	PAVEMENT MILLING MULCH UNDER GUARD RAIL AT PER FOOT				
*816.81	1	TEMPORARY TRAFFIC CONTROL SIGNAL AT PER LUMP SUM				
832.	35	WARNING-REGULATORY AND ROUTE MARKER - ALUMINIUM PANEL (TYPE-A) AT PER SQUARE FOOT				
833.5	10	DEMOUNTABLE REFLECTORIZED DELINEATOR - GUARD RAIL AT PER EACH				
833.7	4	DELINEATION FOR GUARD RAIL TERMINI AT PER EACH				
847.1	6	SIGN SUP (N/GUIDE)+ RTE MKR W/I BRKWAY POST ASSEMBLY - STEEL AT PER EACH				
852.	630	SAFETY SIGNING FOR TRAFFIC MANAGEMENT AT PER SQUARE FOOT				
*852.12	4	TEMPORARY PEDESTRIAN CURB RAMP AT PER EACH				
853.1	6	PORTABLE BREAKAWAY BARRICADE TYPE III AT PER EACH				



*Denotes Special Provision

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
*853.33	720	TEMPORARY BARRIER - LIMITED DEFLECTION (TL-3) AT PER FOOT				
*853.331	2,900	TEMPORARY BARRIER - LIMITED DEFLECTION (TL-3) REMOVED AND RESET AT PER FOOT				
854.016	3,000	TEMPORARY PAVING MARKINGS-6 INCH (PAINTED) AT PER FOOT				
854.036	900	TEMPORARY PAVING MARKINGS-6 INCH (TAPE) AT PER FOOT				
854.1	2,750	PAVEMENT MARKING REMOVAL AT PER SQUARE FOOT				
856.	1,100	ARROW BOARD AT PER DAY				
856.12	3,600	PORTABLE CHANGEABLE MESSAGE SIGN AT PER DAY				
859.	1,100	REFLECTORIZED DRUM AT PER DAY				
859.1	2,200	REFLECTORIZED DRUMS WITH SEQUENTIAL FLASHING WARNING LIGHTS AT PER DAY				
864.04	30	PAVEMENT ARROWS AND LEGENDS REFL. WHITE (THERMOPLASTIC) AT PER SQUARE FOOT				
866.106	850	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) AT PER FOOT				

*Denotes Special Provision

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
867.106	950	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) AT PER FOOT				
867.112	90	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) AT PER FOOT				
874.2	1	TRAFFIC SIGN REMOVED AND RESET AT PER EACH				
*874.41	5	TRAFFIC SIGN REMOVED AND DISCARDED AT PER EACH				
*950.1	1	TEMPORARY SHORING AT PER LUMP SUM				
*953.	260	PERMANENT STEEL SHEETING AT PER FOOT				
*953.3	400	EXCAVATION SUPPORT SYSTEM AT PER SQUARE YARD				
*983.03	70	PARTIALLY GROUTED RIPRAP AT PER CUBIC YARD				
*983.4	50	NATURAL STREAMBED MATERIAL AT PER CUBIC YARD				
*991.1	1	CONTROL OF WATER - STRUCTURE NO. A-19-014 (C1R) AT PER LUMP SUM				

*Denotes Special Provision

TOWN OF AYER - WEST MAIN STREET BRIDGE REPLACEMENT BID FORM

CONTRACT # 25DPW14

ITEM NO.	QTY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
*995.01	1	BRIDGE STRUCTURE, BRIDGE NO. A-19-014 (C1R) AT <div style="text-align: right;">PER LUMP SUM</div>				
*1000.1	1	DATA CONDUIT ACCOMODATIONS AT <div style="text-align: right;">PER LUMP SUM</div>				
*1000.2	1	GAS MAIN ACCOMODATIONS AT <div style="text-align: right;">PER LUMP SUM</div>				
		TOTAL				

*Denotes Special Provision

APPENDIX N

53 SHIRLEY STREET EASEMENT REQUIREMENTS

53 Shirley Street Requirements from Easement Agreement

1. Remove and reset existing white vinyl fence along the roadway.
2. Remove and reset, or replace if necessary, the existing bushes along the fence and roadway.
3. Remove dead tree located adjacent to Catalpa tree.
4. Plant a new tree in location designated by Owner to replace the Catalpa tree required to be removed.
5. Protect and maintain flow of the sewer service for the property, any impacts shall be repaired to industry standard by the Town.
6. Remove and replace the split rail fence, adjust posts and rails that are affected by the West Main Street Bridge Replacement Project.
7. Remove and reset two (2) rocks at the vinyl fence along the road and replace the hemlock mulch. Also remove and reset or replace bushes to the satisfaction of the Owner.
8. There is a split rail fence located along the existing sidewalk with a rock and rhododendron bush important to the Owner. These shall be protected. If there is a need to remove any of these items, they shall be reset to their original location and to the satisfaction of the Owner.
9. Cut up to 5 branches over the existing driveway for the property 6 to 8 feet offset of the driveway.