

DOCUMENT A00803

DRAWINGS AND SKETCHES

THIS PAGE INTENTIONALLY LEFT BLANK

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

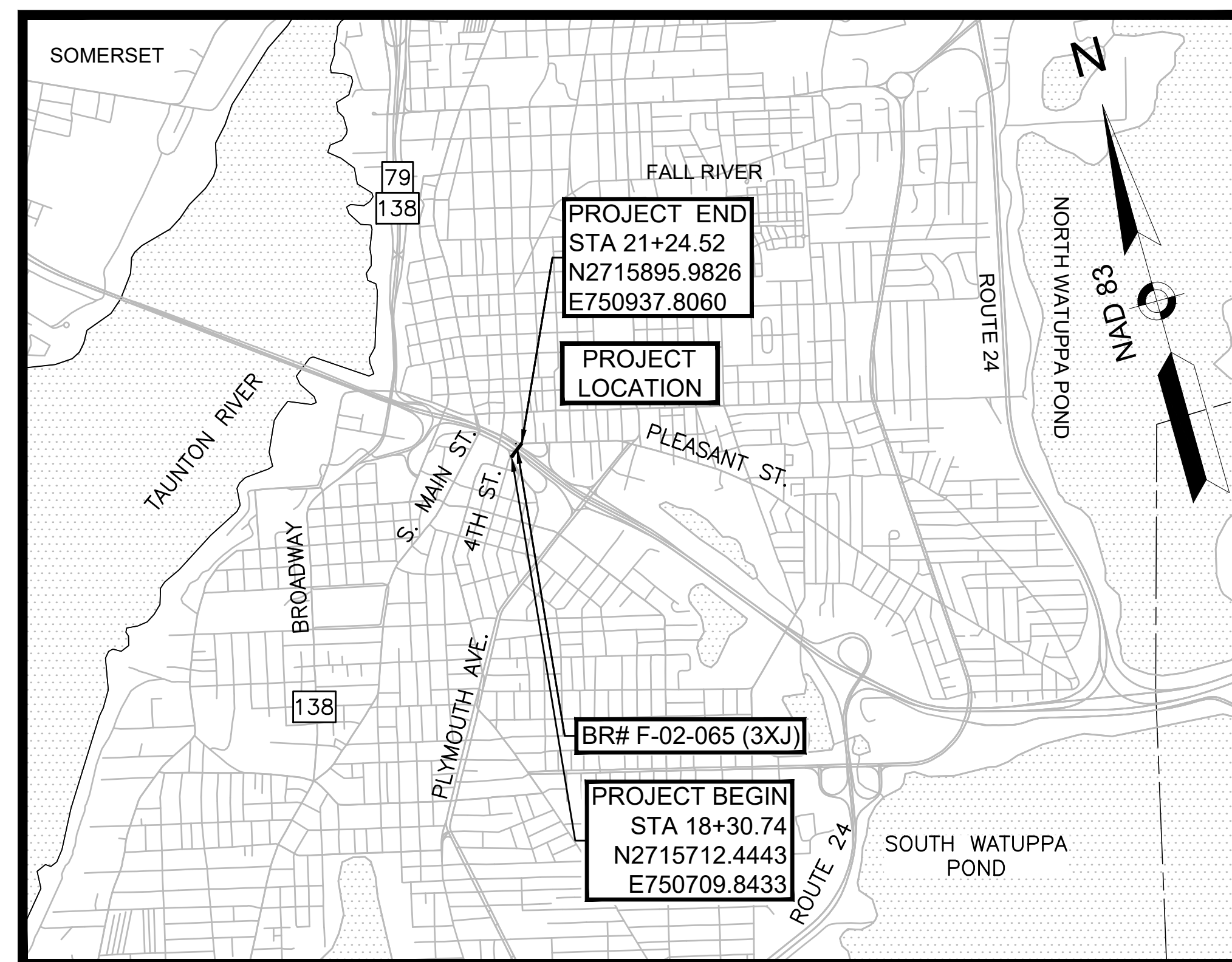
FALL RIVER FOURTH STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	1	36
PROJECT FILE NO.		614090	

TITLE SHEET

PLAN AND PROFILE OF
FOURTH STREET
(BRIDGE NO. F-02-065 (3XJ))
IN THE FALL RIVER OF
FALL RIVER
BRISTOL COUNTY

THESE PLANS ARE SUPPLEMENTED BY THE LATEST EDITIONS OF THE FOLLOWING PUBLICATIONS, AS IDENTIFIED IN THE CONTRACT SPECIAL PROVISIONS: THE MASSDOT CONSTRUCTION STANDARD DETAILS, THE MASSDOT STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE MASSDOT STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, THE MASSDOT OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, THE MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, AND THE ANSI AMERICAN STANDARD FOR NURSERY STOCK.

INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2	LEGEND & ABBREVIATIONS
3	CONSTRUCTION PLAN
4	CURB TIE & GRADING PLAN
5	TRAFFIC SIGN & PAVEMENT MARKINGS
6	SIGN SUMMARY & TRAFFIC DETAILS
7	TEMPORARY TRAFFIC CONTROL PLANS
18	CONSTRUCTION DETAILS
19	BRIDGE PLANS



LENGTH OF PROJECT = 293.78 FEET = 0.056 MILES

DESIGN DESIGNATION (FOURTH STREET)	
DESIGN SPEED	25 MPH
ADT (2025)	11,600
ADT (2046)	11,846
K	8.6%
D	100%
T (PEAK HOUR)	5.7%
T (AVERAGE DAY)	4.9%
DHV	1022
DDHV	1022
FUNCTIONAL CLASSIFICATION	URBAN MINOR ARTERIAL (NHS)

DATE	DESCRIPTION	REV #

massDOT
Massachusetts Department of Transportation
Highway Division

APPROVED

CHIEF ENGINEER

DATE

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		JERSEY BARRIER
		CATCH BASIN
		CATCH BASIN CURB INLET
		FLAG POLE
		GAS PUMP
		MAIL BOX
		POST SQUARE
		POST CIRCULAR
		WELL
		ELECTRIC HANDHOLE
		FENCE GATE POST
		GAS GATE
		BORING HOLE
		MONITORING WELL
		TEST PIT
		HYDRANT
		LIGHT POLE
		COUNTY BOUND
		GPS POINT
		CABLE MANHOLE
		DRAINAGE MANHOLE
		ELECTRIC MANHOLE
		GAS MANHOLE
		MISC MANHOLE
		SEWER MANHOLE
		TELEPHONE MANHOLE
		WATER MANHOLE
		MASSACHUSETTS HIGHWAY BOUND
		MONUMENT
		STONE BOUND
		TOWN OR CITY BOUND
		TRAVERSE OR TRIANGULATION STATION
		TROLLEY POLE OR GUY POLE
		TRANSMISSION POLE
		UTILITY POLE W/ FIREBOX
		UTILITY POLE WITH DOUBLE LIGHT
		UTILITY POLE W / 1 LIGHT
		UTILITY POLE
		BUSH
		TREE
		STUMP
		SWAMP / MARSH
		WATER GATE
		PARKING METER
		OVERHEAD CABLE/WIRE
		CURBING
		CONTOURS (ON-THE-GROUND SURVEY DATA)
		CONTOURS (PHOTOGRAMMETRIC DATA)
		UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)
		BALANCED STONE WALL
		GUARD RAIL - STEEL POSTS
		GUARD RAIL - WOOD POSTS
		GUARD RAIL - DOUBLE FACE - STEEL POSTS
		GUARD RAIL - DOUBLE FACE - WOOD POSTS
		CHAIN LINK OR METAL FENCE
		WOOD FENCE
		HAY BALES/SILT FENCE
		TREE LINE
		SAWCUT LINE
		TOP OR BOTTOM OF SLOPE
		LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY
		BANK OF RIVER OR STREAM
		BORDER OF WETLAND
		100 FT WETLAND BUFFER
		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 SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		CONTROLLER PHASE ACTUATED
		TRAFFIC SIGNAL HEAD (SIZE AS NOTED)
		WIRE LOOP DETECTOR (6' x 6' TYP UNLESS OTHERWISE SPECIFIED)
		VIDEO DETECTION CAMERA
		MICROWAVE DETECTOR
		PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE
		EMERGENCY PREEMPTION CONFIRMATION STROBE LIGHT
		VEHICULAR SIGNAL HEAD
		VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED
		FLASHING BEACON
		PEDESTRIAN SIGNAL HEAD, (TYPE AS NOTED OR AS SPECIFIED)
		RAILROAD SIGNAL
		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
		MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		HIGH MAST POLE OR TOWER
		SIGN AND POST
		SIGN AND POST (2 POSTS)
		MAST ARM WITH LUMINAIRE
		OPTICAL PRE-EMPTION DETECTOR
		CONTROL CABINET, GROUND MOUNTED
		CONTROL CABINET, POLE MOUNTED
		FLASHING BEACON CONTROL AND METER PEDESTAL
		LOAD CENTER ASSEMBLY
		PULL BOX 12"x12" (OR AS NOTED)
		ELECTRIC HANDHOLE 12"x24" (OR AS NOTED)
		TRAFFIC SIGNAL CONDUIT

PAVEMENT MARKINGS SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		PAVEMENT ARROW - WHITE
		LEGEND "ONLY" - WHITE
		12" STOP LINE
		12" CROSSWALK
" Solid White Line symbol"/>	" Solid White Line symbol"/>	6"/" SOLID WHITE LINE
		6" SOLID YELLOW LINE
		6" BROKEN WHITE LINE (10' LINE, 30' GAP)
		6" BROKEN YELLOW LINE (10' LINE, 30' GAP)
" Dotted White Line symbol"/>	" Dotted White Line symbol"/>	6"/" DOTTED WHITE LINE (3' LINE, 9' GAP)
		6" DOTTED YELLOW LINE (3' LINE, 9' GAP)
		6" DOTTED WHITE LINE EXTENSION (2' LINE, 6' GAP)
		6" DOTTED YELLOW LINE EXTENSION (2' LINE, 6' GAP)
		6" DOUBLE WHITE LINE
		6" DOUBLE YELLOW LINE

ABBREVIATIONS

GENERAL	DESCRIPTION
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	BEAM
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
EXP.	EXPANSION
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FDN.	FOUNDATION
FLDSTN	FIELDSTONE
GAR	GARAGE
GD	GROUND
GG	GAS GATE
GI	GUTTER INLET
GIP	GALVANIZED IRON PIPE
GRAN.	GRANITE
GRAV	GRAVEL
GRD	GUARD
HDW	HEADWALL
HGT	HIGHWAY GUARD TRANSITION
HMA	HOT MIX ASPHALT
HOR	HORIZONTAL
HYD.	HYDRANT
INV.	INVERT
JCT	JUNCTION
L	LENGTH OF CURVE
LB	LEACH BASIN
LP	LIGHT POLE
LT	LEFT
MAX.	MAXIMUM
MB	MAILBOX
MH	MANHOLE
MHB	MASSACHUSETTS HIGHWAY BOUND
MIN.	MINIMUM
M&O	MILL & OVERLAY
NIC	NOT IN CONTRACT
NO.	NUMBER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	PEDESTRIAN CURB RAMP
P.G.L.	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PL GAS	PLASTIC GAS MAIN
POC	POINT ON CURVE
POT	POINT ON TANGENT
PRC	POINT OF REVERSE CURVATURE
PROJ.	PROJECT

FALL RIVER FOURTH STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	2	36
PROJECT FILE NO.		614090	

LEGEND & ABBREVIATIONS

ABBREVIATIONS (cont.)

GENERAL	DESCRIPTION
PROP.	PROPOSED
PT	POINT OF TANGENCY
PTR	PIPE TOP RAIL
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
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWY	ROADWAY
REM.	REMOVE
RET.	RETAIN
RET WALL	RETAINING WALL
ROW	RIGHT OF WAY
RR	RAILROAD
R&D	REMOVE AND DISCARD
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 %
TAN	TANGENT
TEMP.	TEMPORARY
TC	TOP OF CURB
TOS	TOP OF SLOPE
TYP.	TYPICAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
VGC	VERTICAL GRANITE CURB
WG	WATER GATE
WIP	WROUGHT IRON PIPE
WM	WATER METER/WATER MAIN
X-SECT	CROSS SECTION

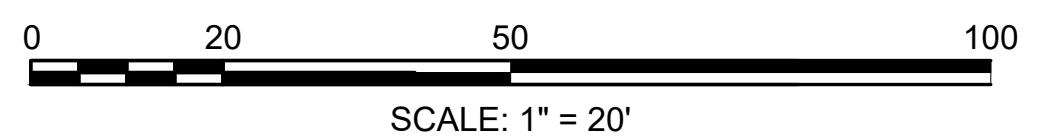
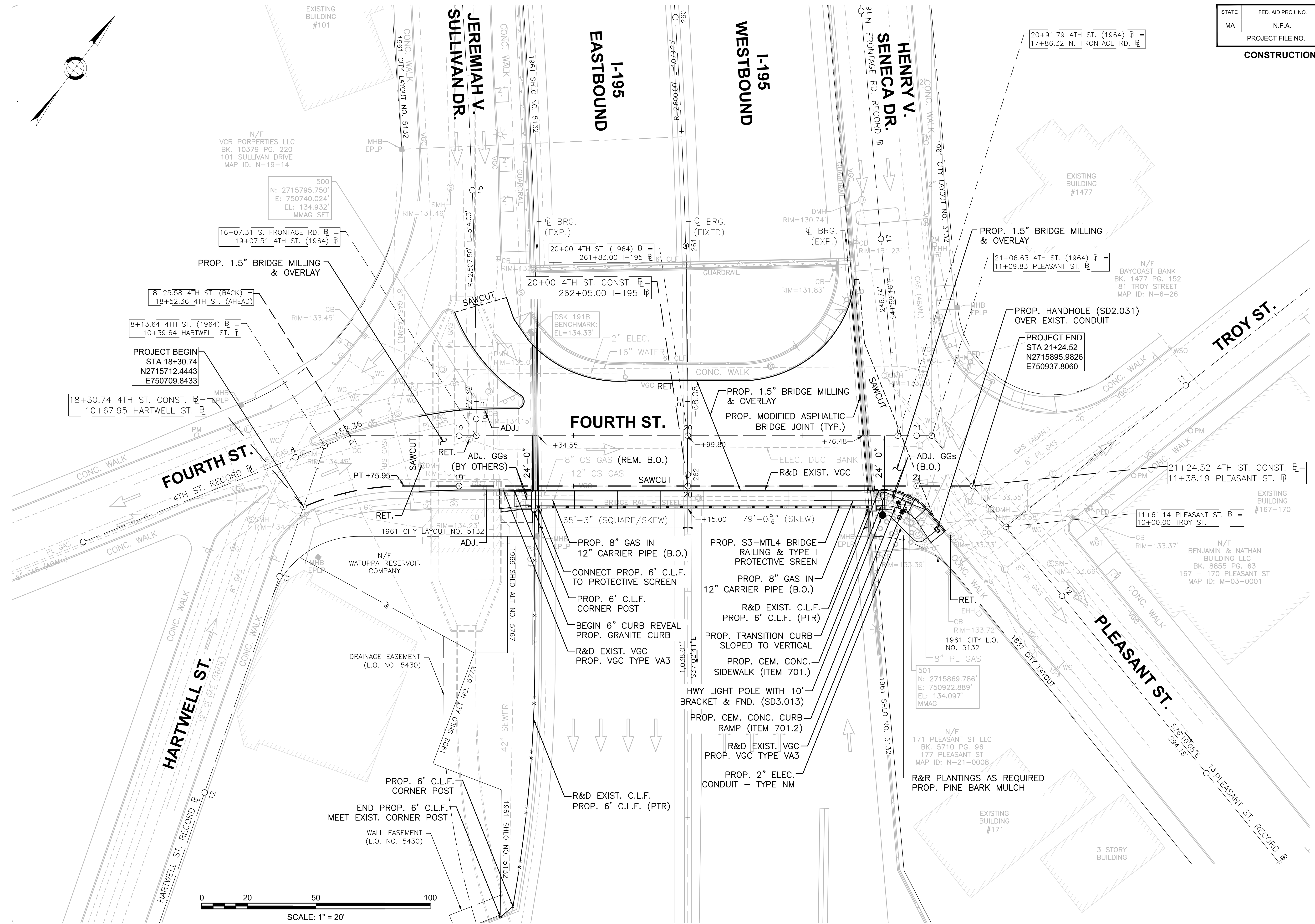
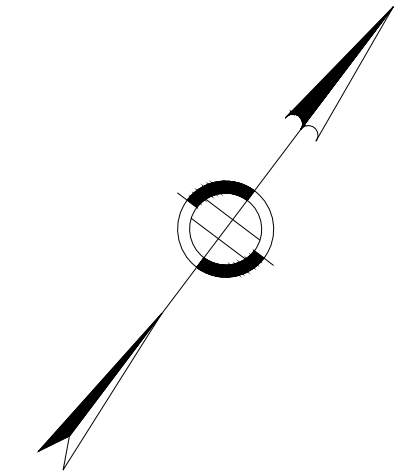
TRAFFIC SIGNAL ABBREVIATIONS

CAB	CABINET
CCVE	CLOSED CIRCUIT VIDEO EQUIPMENT
DW	STEADY UPRAISED HAND
FDW	FLASHING UPRAISED HAND
FR	FLASHING CIRCULAR RED
FRL	FLASHING RED LEFT ARROW
FRR	FLASHING RED RIGHT ARROW
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW
FYR	FLASHING YELLOW RIGHT ARROW
G	STEADY CIRCULAR GREEN
GL	STEADY GREEN LEFT ARROW
GR	STEADY GREEN RIGHT ARROW
GSL	STEADY GREEN SLASH LEFT ARROW
GSR	STEADY GREEN SLASH RIGHT ARROW
GV	STEADY GREEN VERTICAL ARROW
OL	OVERLAP
PED	PEDESTRIAN
PTZ	PAN, TILT, ZOOM
R	STEADY CIRCULAR RED
RL	STEADY RED LEFT ARROW
RR	STEADY RED RIGHT ARROW
TR SIG	TRAFFIC SIGNAL
TSC	TRAFFIC SIGNAL CONDUIT
W	STEADY WALKING PERSON
Y	STEADY CIRCULAR YELLOW
YL	STEADY YELLOW LEFT ARROW

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	3	36
PROJECT FILE NO.		614090	

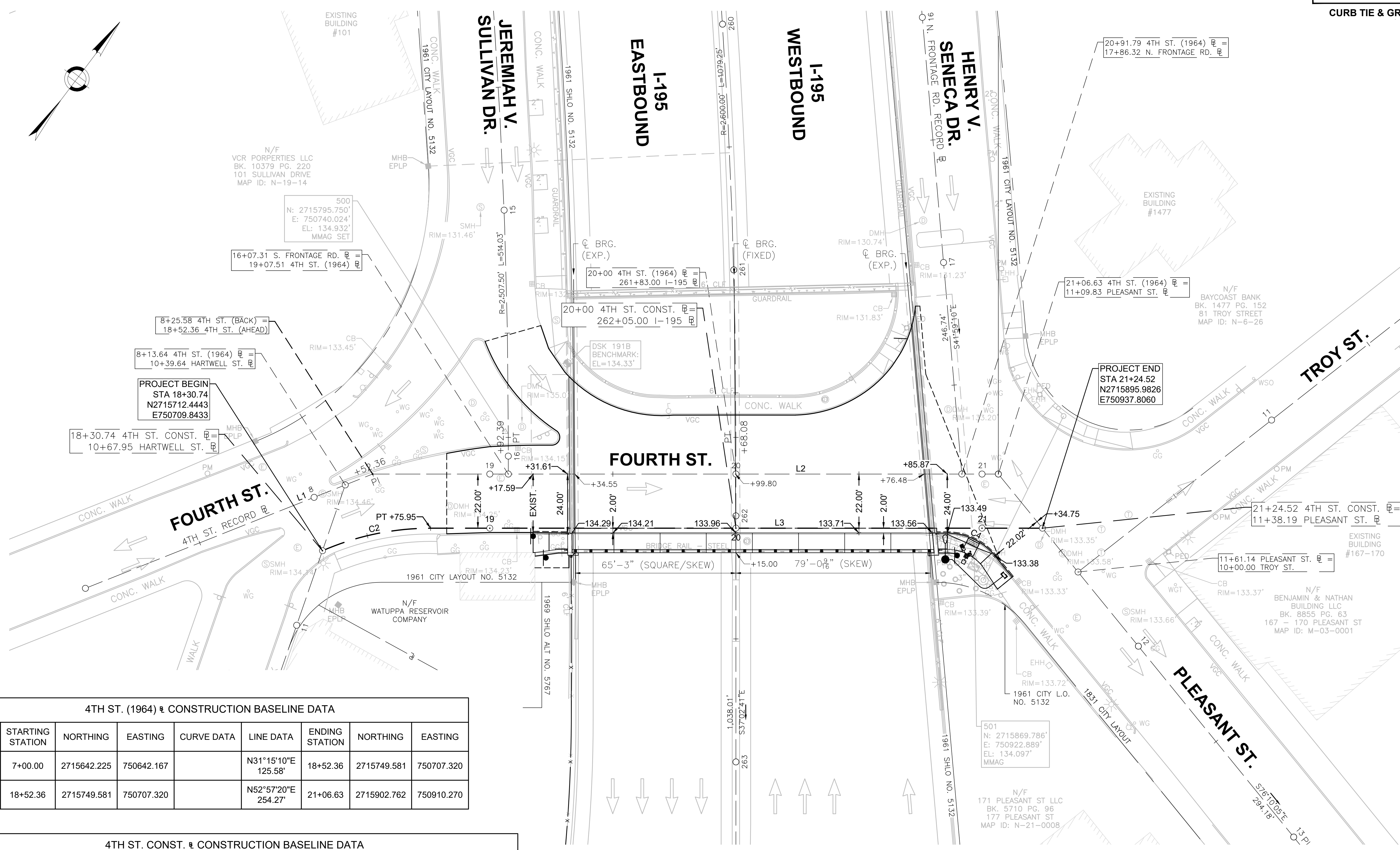
CONSTRUCTION PLAN



**FALL RIVER
FOURTH STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	4	36
PROJECT FILE NO.		614090	

CURB TIE & GRADING PLAN



4TH ST. (1964) & CONSTRUCTION BASELINE DATA

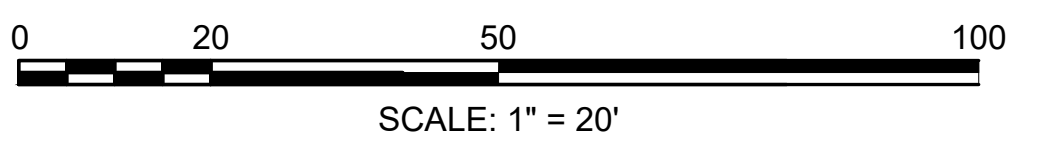
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L1	7+00.00	2715642.225	750642.167		N31°15'10"E 125.58'	18+52.36	2715749.581	750707.320
L2	18+52.36	2715749.581	750707.320		N52°57'20"E 254.27'	21+06.63	2715902.762	750910.270

4TH ST. CONST. & CONSTRUCTION BASELINE DATA

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C2	18+30.74	2715712.444	750709.843	R=110.00' Δ=23°32'59" L=45.21' T=22.93'		18+75.95	2715746.234	750739.404
L3	18+75.95	2715746.234	750739.404		N52°57'20"E 248.57'	21+24.52	2715895.983	750937.806

Curve Table

Curve #	Delta	Radius	Length
C4	50°52'19"	25.00	22.20

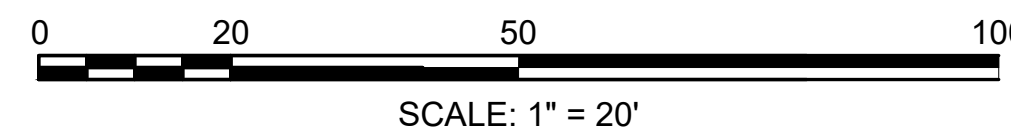
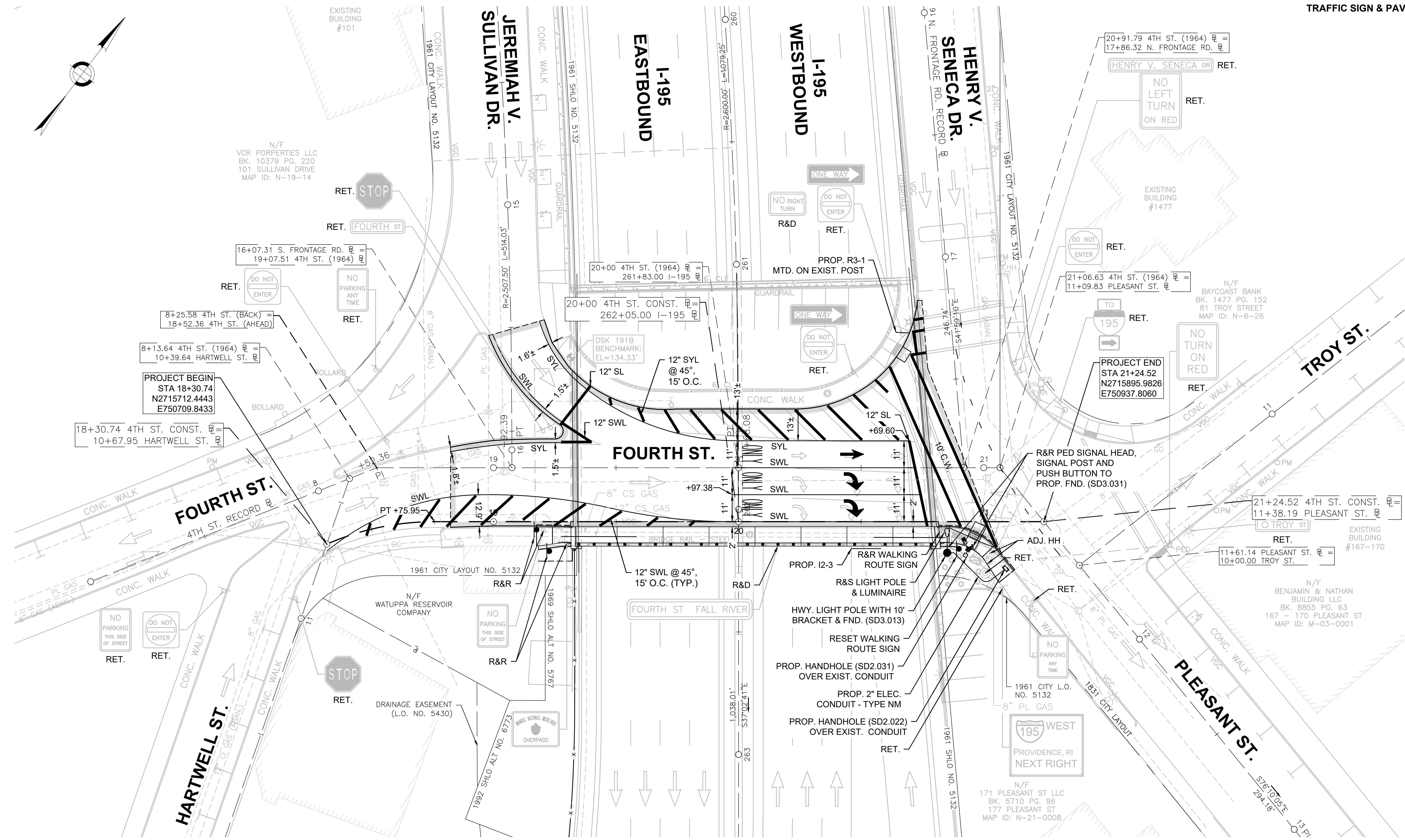
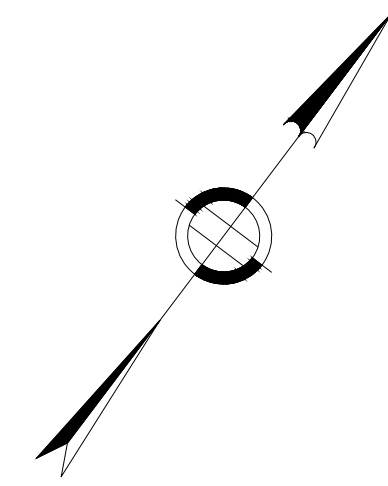


614090(BR)00(TITLE_PLAN).DWG Plotted on 9-Jun-2026 10:30 AM

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	5	36
PROJECT FILE NO.		614090	

TRAFFIC SIGN & PAVEMENT MARKINGS



FALL RIVER FOURTH STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	6	36
PROJECT FILE NO.		614090	

SIGN SUMMARY & TRAFFIC DETAILS

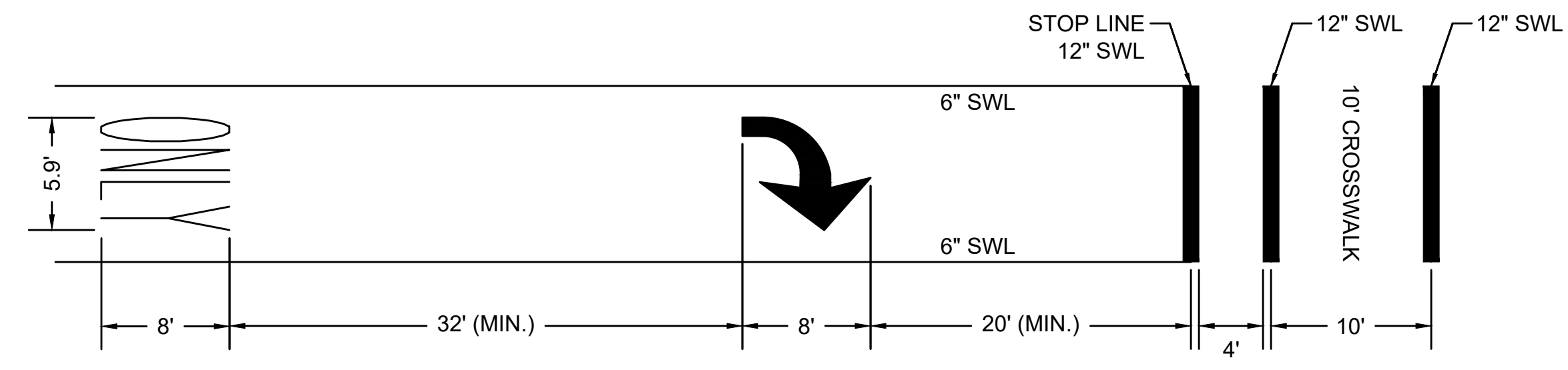
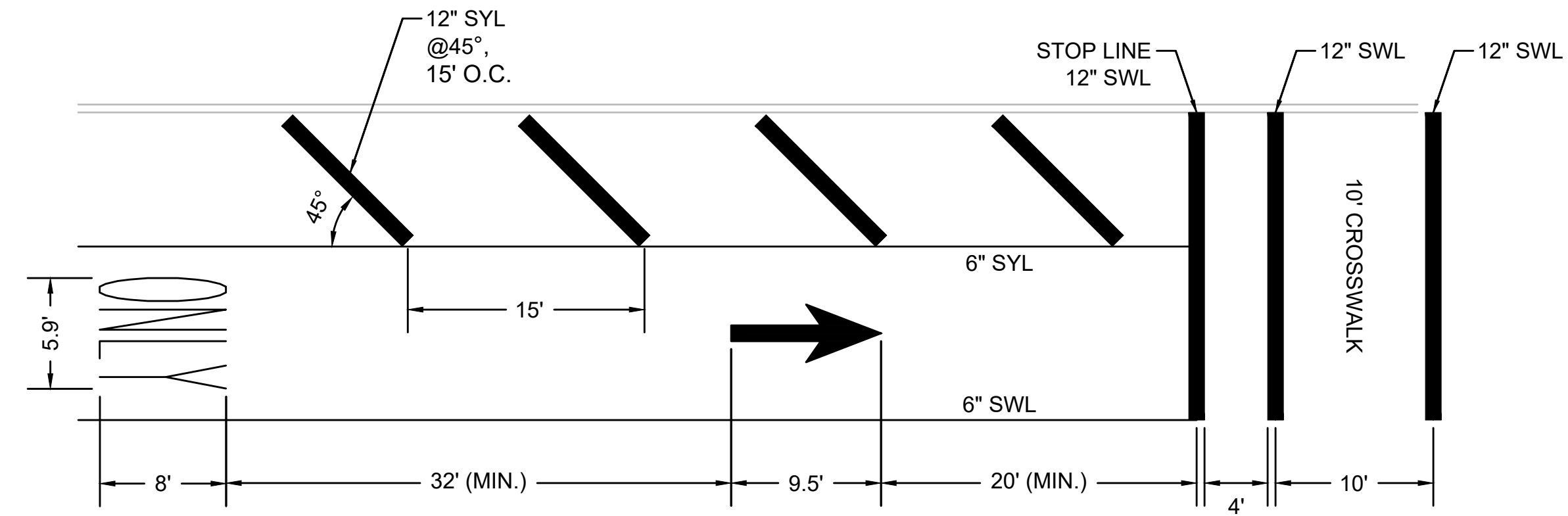


D2-1_VARx18;
2.3" Radius, 0.8" Border, White on Green;
"Fourth St Fall River", D 2K;

I2-3 GRADE SEPARATION IDENTIFICATION SIGN
NOT TO SCALE

TRAFFIC SIGN SUMMARY

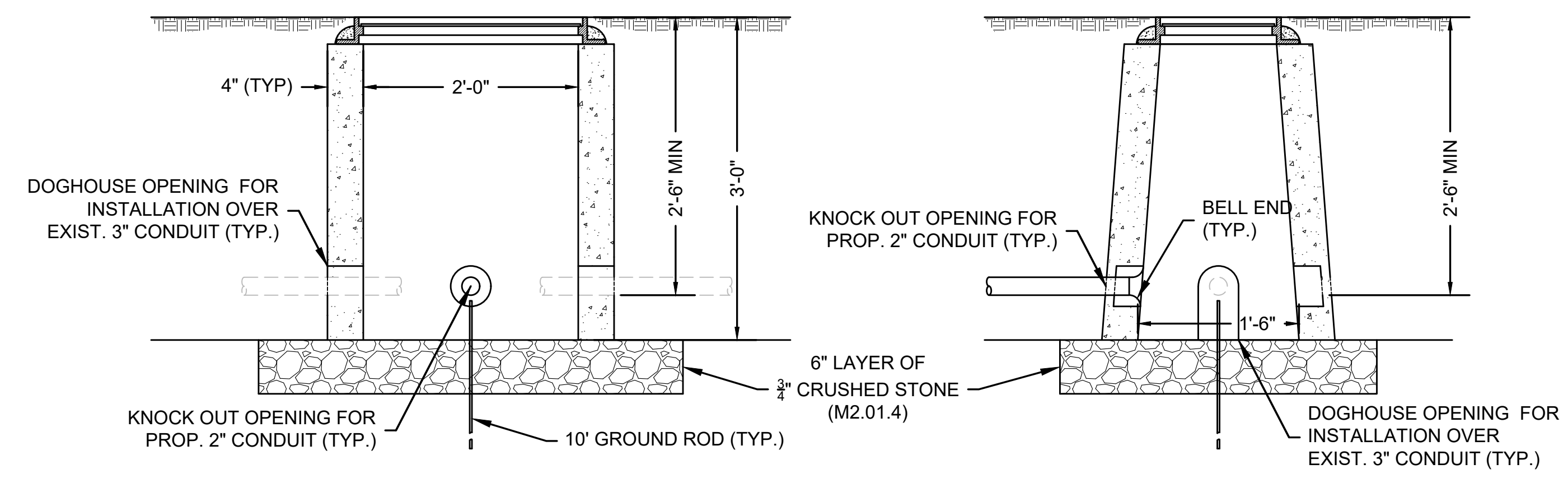
IDENTIFICATION NUMBER	SIZE OF SIGN		SIGN DIAGRAM	# REQ'D	COLOR			UNIT AREA S.F.	AREA IN SQUARE FEET
	WIDTH	HEIGHT			BACK-GROUND	LEGEND	BORDER		
I2-3	114"	18"		1	GREEN	WHITE	WHITE	14.25	14.25
R3-1	24"	24"		1	WHITE	BLACK/RED	BLACK	4	4



PAVEMENT MARKING DETAILS
NOT TO SCALE

NOTES:

- HIGHWAY LIGHTING WORK SHALL BE COMPLETED IN THE FOLLOWING SEQUENCE, ENSURING THAT THE HIGHWAY LIGHTING REMAINS OPERATIONAL THROUGHOUT THE PROJECT DURATION.
 - INSTALL THE PROPOSED LIGHT POLE FOUNDATION.
 - LOCATE THE EXISTING CONDUIT FEEDING THE EXISTING LIGHT POLE. PLACE THE NEW HANDHOLE OVER THE EXISTING CONDUIT AND ADJUST THE FRAME AND COVER TO PROPOSED GRADE USING BRICK MASONRY. INSTALL THE PROPOSED 2" CONDUIT FROM THE NEW HIGHWAY LIGHTING POLE FOUNDATION TO THE PROPOSED HANDHOLE AND INSTALL THE REQUIRED GROUND ROD.
 - INSTALL THE NEW HIGHWAY LIGHTING POLE AND LUMINAIRE, AND INSTALL WIRING TO THE NEW HANDHOLE.
 - COORDINATE WITH THE CITY OF FALL RIVER FOR DE-ENERGIZING THE EXISTING FEEDER. IF THE EXISTING FEEDER CANNOT BE DE-ENERGIZED, THE CONTRACTOR SHALL MAKE THE CONNECTION LIVE OR AS RECOMMENDED BY THE CITY OF FALL RIVER.
 - WHEN THE CONTRACTOR IS PREPARED TO ENERGIZE THE PROPOSED LIGHT POLE, BREAK INTO THE EXISTING CONDUIT AND PULL WIRING BACK FROM THE EXISTING LIGHT POLE INTO THE PROPOSED HANDHOLE. SPLICE WIRING IN THE PROPOSED HANDHOLE, MAINTAINING A SUFFICIENT LOOP TO MAKE THE CONNECTION OUTSIDE OF THE HANDHOLE.



24 IN 13 IN X 36 IN ELECTRIC HANDHOLE (SD2-022)
N.T.S.

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	7	36
PROJECT FILE NO.		614090	

TEMPORARY TRAFFIC CONTROL PLANS
GENERAL NOTES & I-195
ADVANCE WARNING SIGN LOCUS

GENERAL NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS, UNLESS SUPERCEDED BY THESE PLANS.
2. AT A MINIMUM, AN 11' LANE MUST BE MAINTAINED IN EACH DIRECTION AT ALL TIMES.
3. THE CONTRACTOR MUST MAINTAIN ACCESS TO ALL PROPERTIES WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE PROJECT.
4. USE DETAILS ONLY WHERE APPROPRIATE AND WHERE SIGNS WILL NOT INTERFERE WITH OTHER OPERATIONAL SIGNS.
5. TEMPORARY CONSTRUCTION SIGNING, BARRICADES AND ALL OTHER NECESSARY WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
6. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
7. WHERE EXISTING DRAINAGE STRUCTURE CASTINGS ARE WITHIN TEMPORARY TRAVEL LANES, THE CONTRACTOR SHALL VERIFY THAT THE GRATE OR COVER DOES NOT ROCK IN ITS FRAME. IF NECESSARY, GRATES AND COVERS WILL BE REMOVED, THE FRAME WILL BE CLEANED AND THE GRATE OR COVER RESET. THIS WORK IS CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC CONTROL ITEMS.
8. EXISTING RUMBLE STRIP THAT WILL BE WITHIN THE PROPOSED TEMPORARY TRAVEL LANES SHALL BE MILLED AND PATCHED PRIOR TO OPENING THE TRAVEL LANE TO TRAFFIC.
9. THESE TEMPORARY TRAFFIC CONTROL PLANS ARE NOT INTENDED TO BE INCLUSIVE OF ALL SETUPS NECESSARY TO COMPLETE THE PROJECT. FOR TEMPORARY TRAFFIC CONTROL DETAILS NOT INCLUDED IN THESE PLANS SEE THE MASSDOT WORK ZONE SAFETY TYPICAL DETAILS AND DRAWINGS FOR TEMPORARY TRAFFIC CONTROL AND THE MASSDOT CONSTRUCTION STANDARD DETAILS. ADDITIONAL ANTICIPATED SETUPS FOR USE ON I-195, INCLUDE MASSDOT CONSTRUCTION STANDARD DETAILS 852.7.3, 852.74 & 852.79.

GRADE DIFFERENCES:

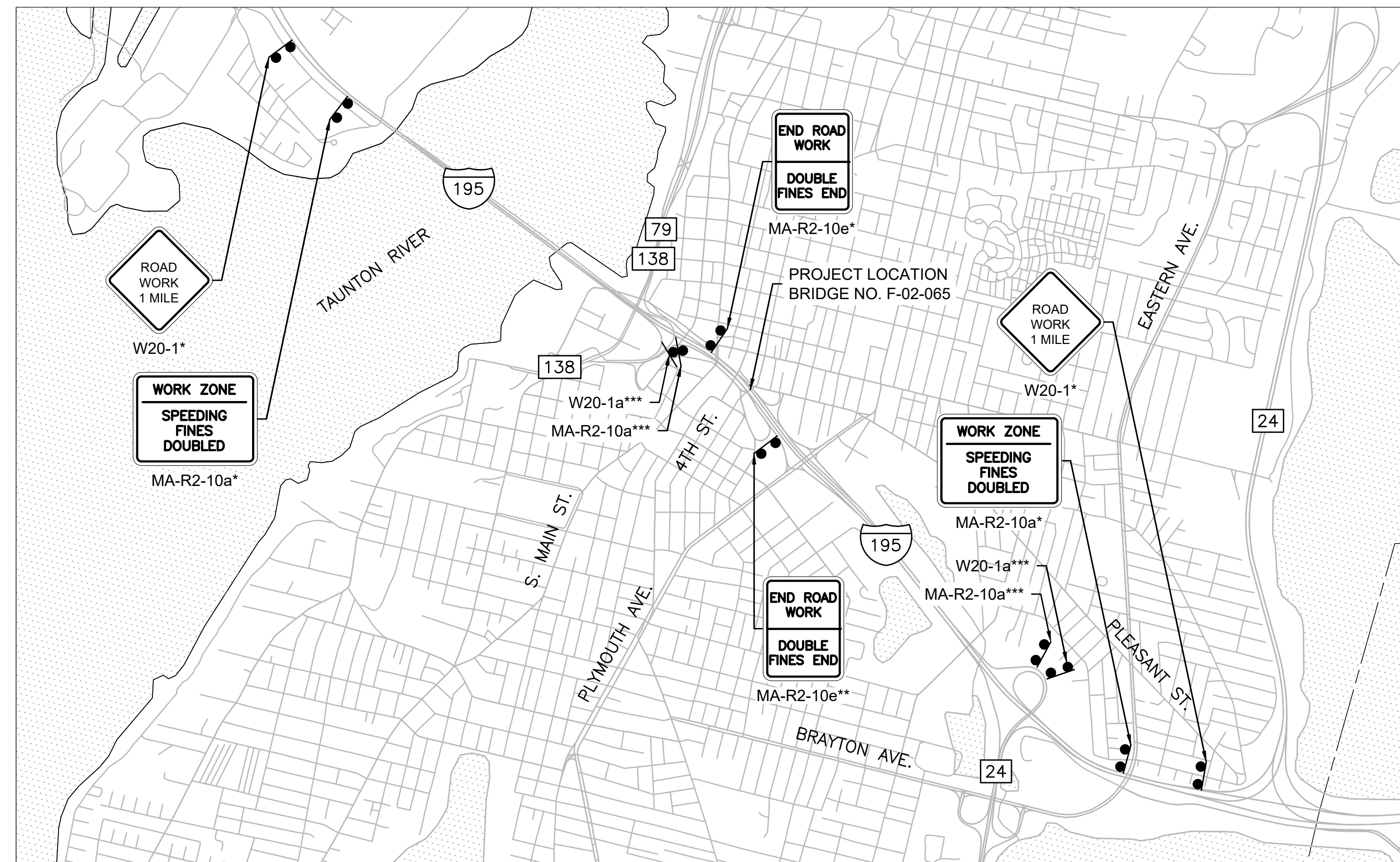
1. WHERE THERE IS A LONGITUDINAL DIFFERENCE IN ELEVATION BETWEEN EXISTING PAVEMENT AND MILLED OR NEW PAVEMENT, THE CONTRACTOR SHALL PLACE A TEMPORARY HOT MIX ASPHALT WEDGE WITH A 12:1 (OR FLATTER) SLOPE FOR A SMOOTH TRANSITION.
2. CROSS-SECTIONAL GRADE DIFFERENCES IN EXCESS OF 2" DURING NON-WORKING HOURS WILL REQUIRE DELINEATION BY USE OF REFLECTORIZED DRUMS.
3. CROSS-SECTIONAL GRADE DIFFERENCES IN EXCESS OF 4" DURING NON-WORKING HOURS SHALL BE PROTECTED BY BACKFILLING WITH A WEDGE OF EARTHWORK TO BE COMPACTED AT A 4:1 SLOPE AND SHALL BE DELINEATED BY USE OF DRUMS.
4. A MINIMUM SLOPE OF 4:1 MUST BE MAINTAINED AFTER WORKING HOURS ALONG THE EDGE OF THE TRAVELED WAY.

CHANNELIZATION:

1. PLASTIC DRUMS WITH ANY LIGHTING DEVICE MOUNTED TO THEM MUST PASS THE CRITERIA SET FORTH IN MASH 2016.
2. THE MAXIMUM SPACING BETWEEN CHANNELIZATION DEVICES IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH, OR AS OTHERWISE SPECIFIED IN THESE PLANS.
3. THE FIRST TEN DRUMS OF ANY MERGING OR SHIFTING TAPER THAT IS DEPLOYED BETWEEN DUSK AND DAWN SHALL BE EQUIPPED WITH SEQUENTIAL FLASHING WARNING LIGHTS.
4. FOR DAYTIME OPERATIONS, THE FIRST FIVE DRUMS USED FOR ANY TAPER SHALL BE EQUIPPED WITH TYPE A FLASHING LIGHTS.
5. FOR TYPICAL CHANNELIZING DEVICE DIMENSIONS AND REQUIREMENTS SEE MASSDOT CONSTRUCTION STANDARD DETAIL 851.1.
6. FOR PEDESTRIAN CHANNELIZING DEVICES, SEE MASSDOT CONSTRUCTION STANDARD DETAIL 850.1.1 AND 850.1.2.

CONSTRUCTION SIGNING:

1. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
2. ALL SIGN LEGEND, BORDERS AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
3. ALL CONSTRUCTION SIGNS SHALL BE BLACK LEGEND ON A REFLECTORIZED ORANGE BACKGROUND UNLESS OTHERWISE NOTED.
4. ADVANCE WARNING SIGNS SHALL REMAIN IN PLACE FOR THE ENTIRE DURATION OF THE PROJECT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. ALL SIGNS, INCLUDING EXISTING, THAT ARE NOT REPRESENTATIVE OF ACTUAL WORK CONDITIONS SHALL BE EITHER COVERED OR REMOVED WHEN NOT APPLICABLE.
6. SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY MUST PASS THE CRITERIA SET FORTH IN MASH 2016.
7. CHANGEABLE MESSAGE SIGNS SHOULD BE USED IN ADDITION TO ADVANCE WARNING SIGNS, AT THE DIRECTION OF THE ENGINEER, TO PROVIDE INFORMATION PRIOR TO THE BEGINNING OF WORK OR IN ADVANCE OF CHANGES IN CONSTRUCTION OPERATIONS OR TRAFFIC PATTERNS. CHANGEABLE MESSAGE SIGNS ARE NOT TO BE USED AS A LONG TERM ADVANCE WARNING SIGN.
8. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.
9. A & B DISTANCES SHOWN ON DETAILS SHALL BE PER FIGURE GEN-2 "SUGGESTED WORK ZONE SIGN SPACING" FOUND IN THE MASSDOT WORK ZONE SAFETY TYPICAL DETAILS AND DRAWINGS FOR TEMPORARY TRAFFIC CONTROL.



I-195 ADVANCE SIGNING PLAN

SCALE: 1" = 1500'

TWO WEEKS BEFORE RAMP DETOURS TWO WEEKS BEFORE TRAFFIC SHIFT TWO WEEKS BEFORE STARTING NIGHT WORK

MESSAGE 1:	NIGHT RAMP DETOUR	NEW TRAFFIC PATTERN	NIGHT WORK
MESSAGE 2:	STARTS MMM-DD XPM-XAM	STARTS MMM-DD	STARTS MMM-DD

NOTES:

1. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL CONFORM TO THE 11TH EDITION OF THE MUTCD, DATED DECEMBER 2023, AS AMENDED.
2. PCMS ARE TO BE LOCATED BEHIND GUARDRAIL OR OUTSIDE OF THE CLEAR ZONE. LOCATIONS SHALL BE APPROVED BY THE ENGINEER.

PORTABLE CHANGEABLE MESSAGE SIGNS

ADVANCE WARNING SIGN LOCATIONS

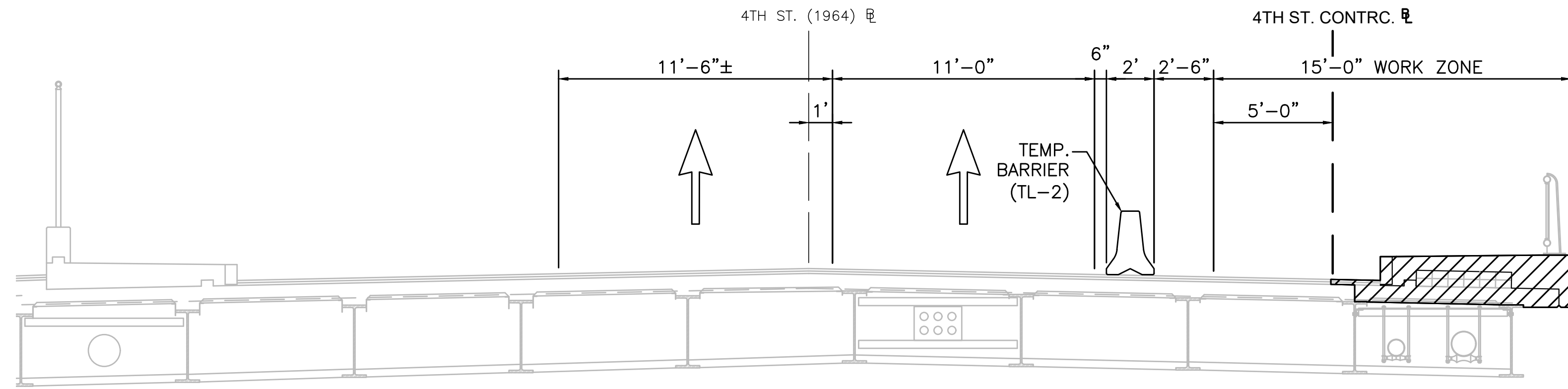
SIGN	I-195	INTERCHANGE RAMPS	LOCAL ROADS
W20-1	1-MILE IN ADVANCE OF THE START OF A LANE DROP TAPER	1500' IN ADVANCE OF THE START OF A LANE DROP TAPER	300' IN ADVANCE OF THE START OF THE LANE SHIFT TAPER OR START OF THE WORK ZONE
MA-R2-10a	0.75-MILES IN ADVANCE OF THE START OF A LANE DROP TAPER	1250' IN ADVANCE OF THE START OF A LANE DROP TAPER	250' IN ADVANCE OF THE START OF THE LANE SHIFT TAPER OR START OF THE WORK ZONE
MA-R2-10e	500' BEYOND THE END OF THE DOWNSTREAM TAPER	500' BEYOND THE END OF THE DOWNSTREAM TAPER	100' MIN. BEYOND THE END OF THE LANE SHIFT TAPER OR AS OTHERWISE SPECIFIED

* W20-1, MA-R2-10a AND MA-R2-10e SIGNS ARE TO BE PLACED ON BOTH SIDES OF I-195.
** MA-R2-10e SIGNS ARE TO BE PLACED ON BOTH SIDES OF I-195 AND THE OFF-RAMP.
***W20-1a AND MA-R2-10a SIGNS ARE TO BE PLACED ON BOTH SIDES OF THE ON-RAMP.

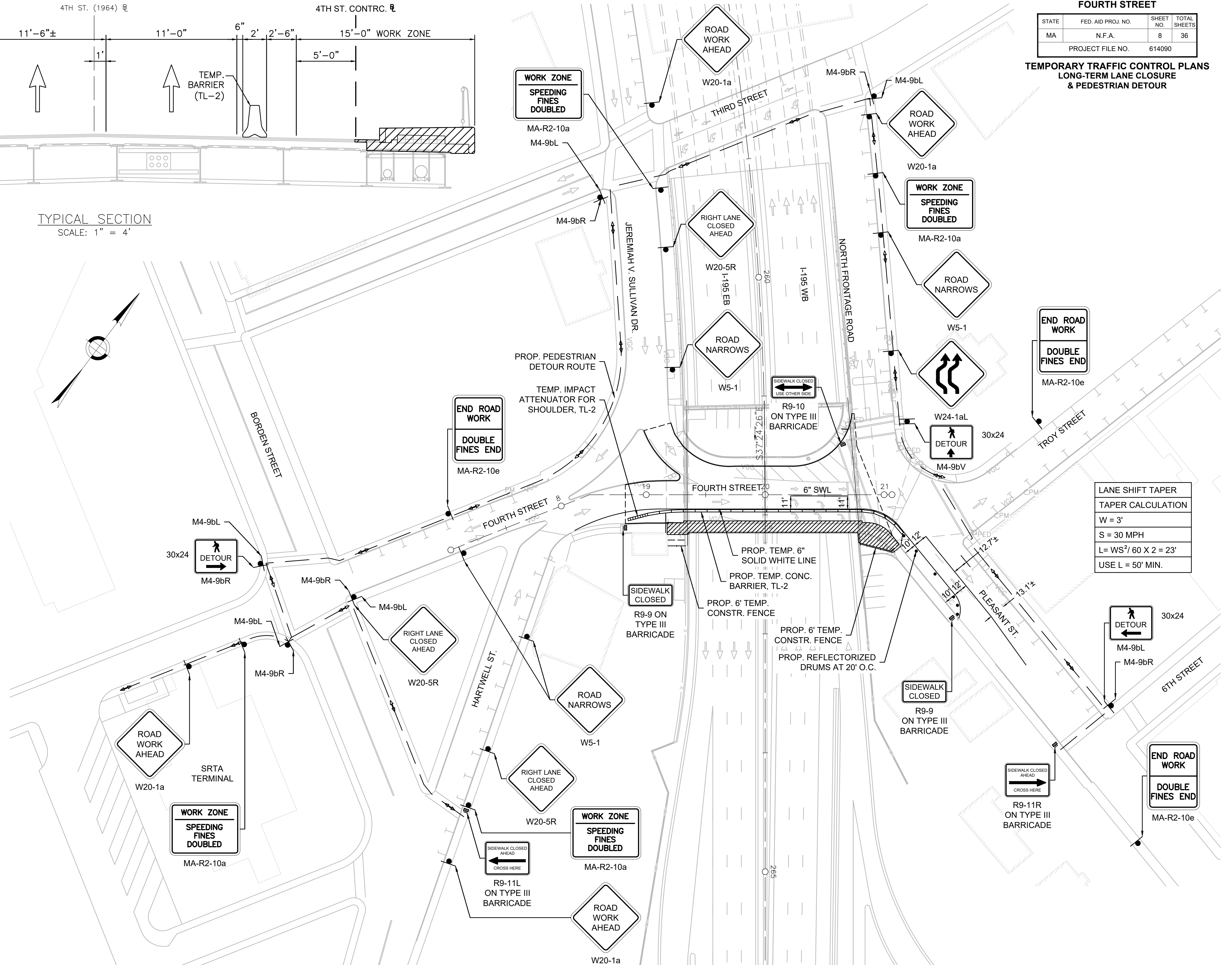
FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	8	36
PROJECT FILE NO.		614090	

TEMPORARY TRAFFIC CONTROL PLANS
LONG-TERM LANE CLOSURE
& PEDESTRIAN DETOUR



TYPICAL SECTION
SCALE: 1" = 4'



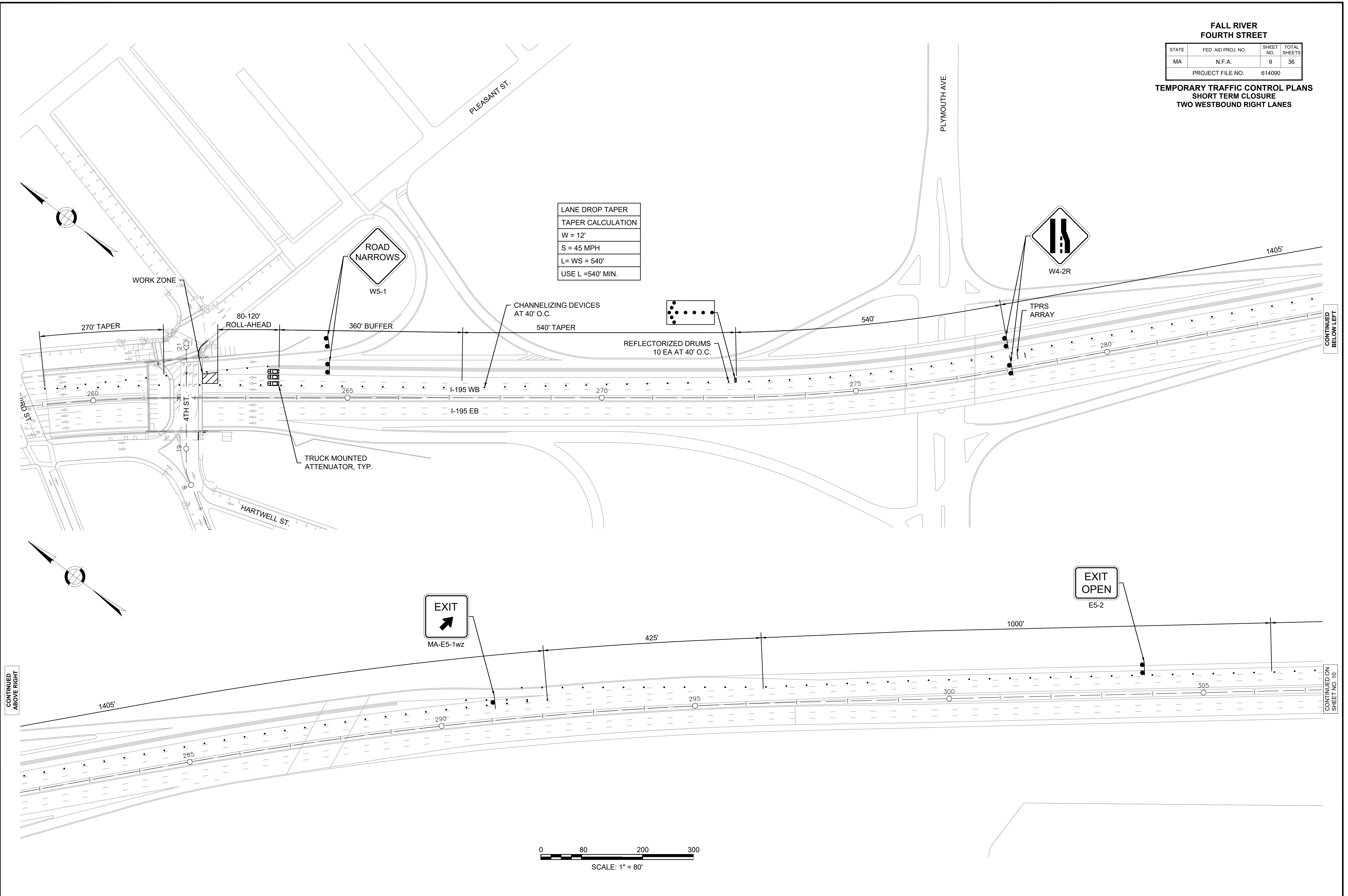
614090(134822)(TCP)DWG Plotted on 9-Jun-2026 10:31 AM

**FALL RIVER
FOURTH STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	9	36
PROJECT FILE NO.		614090	

**TEMPORARY TRAFFIC CONTROL PLANS
SHORT TERM CLOSURE
TWO WESTBOUND RIGHT LANES**

614090(85)02(TTCP)DWG Plotted on 9-Jun-2026 10:31 AM



LANE DROP TAPER
TAPER CALCULATION
W = 12'
S = 45 MPH
L = WS = 540'
USE L = 540' MIN.

CONTINUED ABOVE RIGHT

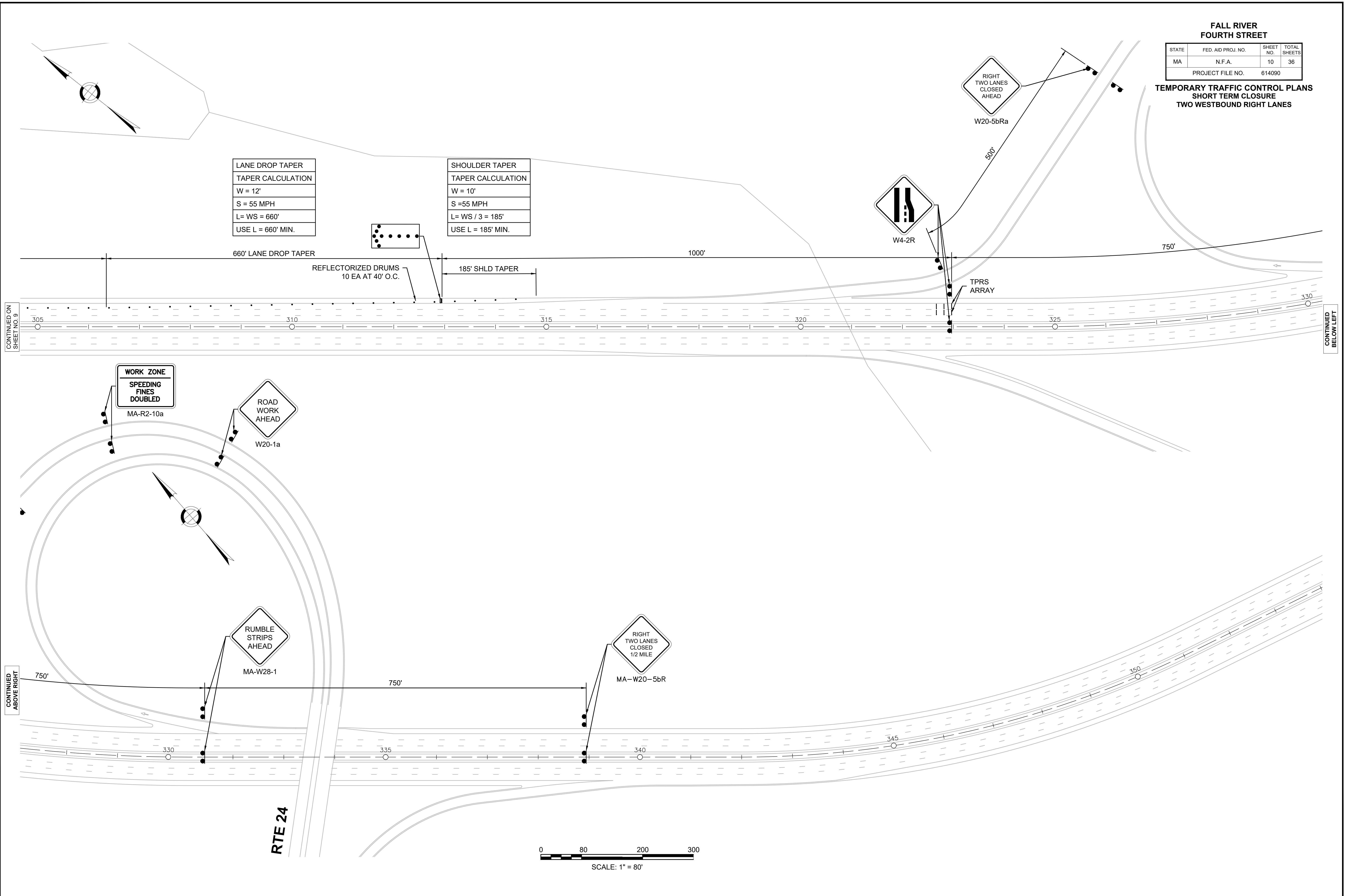
CONTINUED ON SHEET NO. 10

0 80 200 300
SCALE: 1" = 80'

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	10	36
PROJECT FILE NO.		614090	

TEMPORARY TRAFFIC CONTROL PLANS
SHORT TERM CLOSURE
TWO WESTBOUND RIGHT LANES

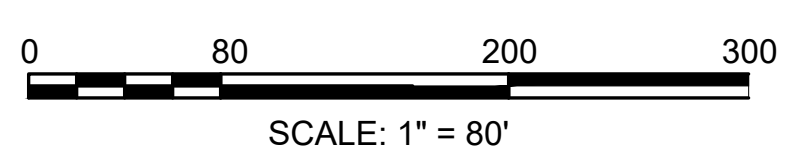
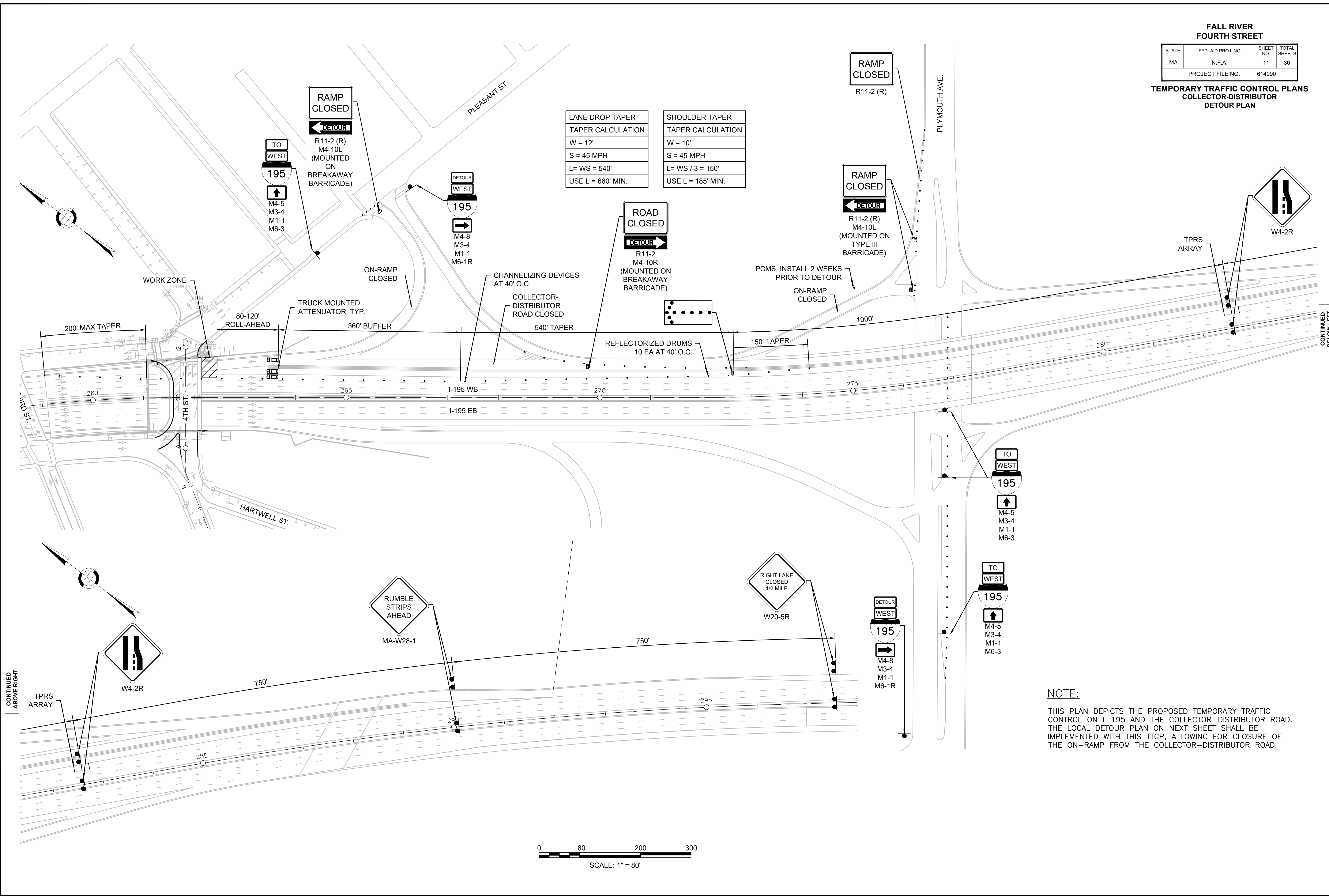


614090(18R)02(TTCP)DWG Plotted on 9-Jun-2026 10:31 AM

**FALL RIVER
FOURTH STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	11	36
PROJECT FILE NO.		614090	

**TEMPORARY TRAFFIC CONTROL PLANS
COLLECTOR-DISTRIBUTOR
DETOUR PLAN**



NOTE:
THIS PLAN DEPICTS THE PROPOSED TEMPORARY TRAFFIC CONTROL ON I-195 AND THE COLLECTOR-DISTRIBUTOR ROAD. THE LOCAL DETOUR PLAN ON NEXT SHEET SHALL BE IMPLEMENTED WITH THIS TTCP, ALLOWING FOR CLOSURE OF THE ON-RAMP FROM THE COLLECTOR-DISTRIBUTOR ROAD.

CONTINUED BELOW LEFT

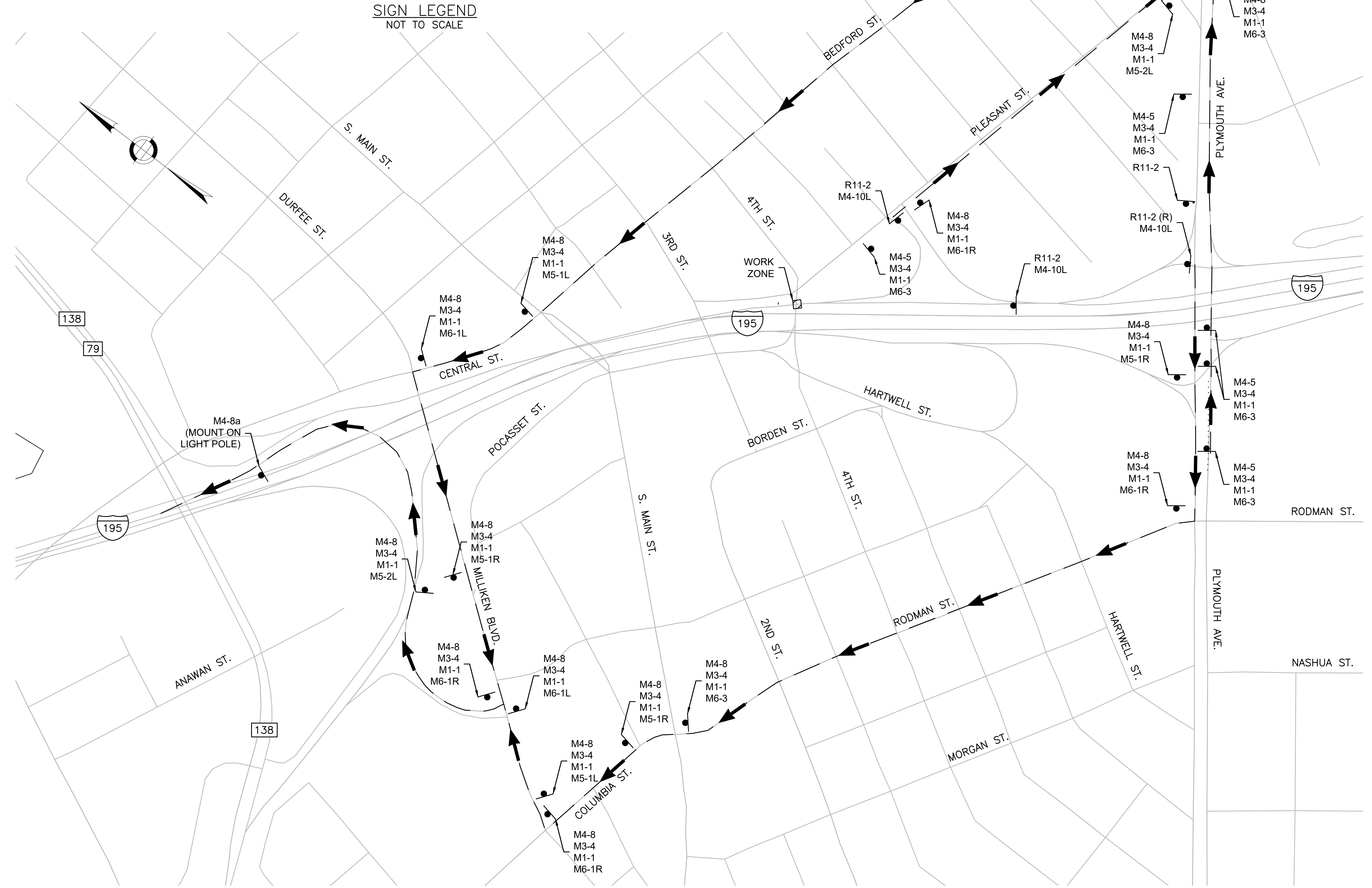
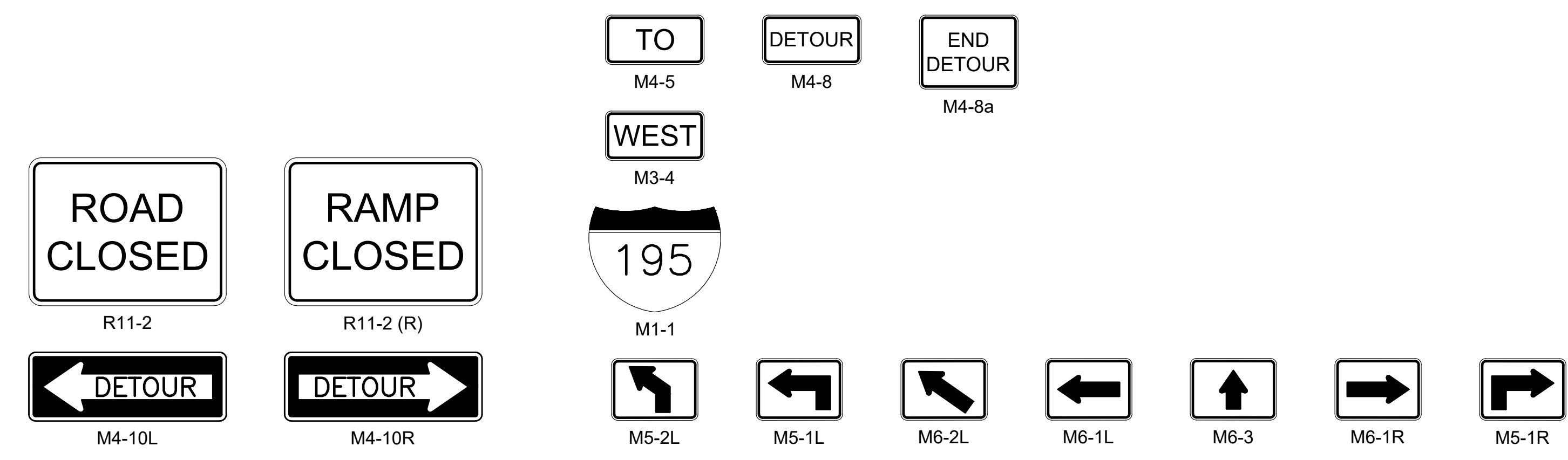
CONTINUED ABOVE RIGHT

614090(18)02(TTCP)DWG Plotted on 9-Jun-2026 10:31 AM

**FALL RIVER
FOURTH STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	12	36
PROJECT FILE NO.		614090	

**TEMPORARY TRAFFIC CONTROL PLANS
COLLECTOR-DISTRIBUTOR
DETOUR PLAN**



ON-RAMP DETOUR PLAN
SCALE: 1" = 200'

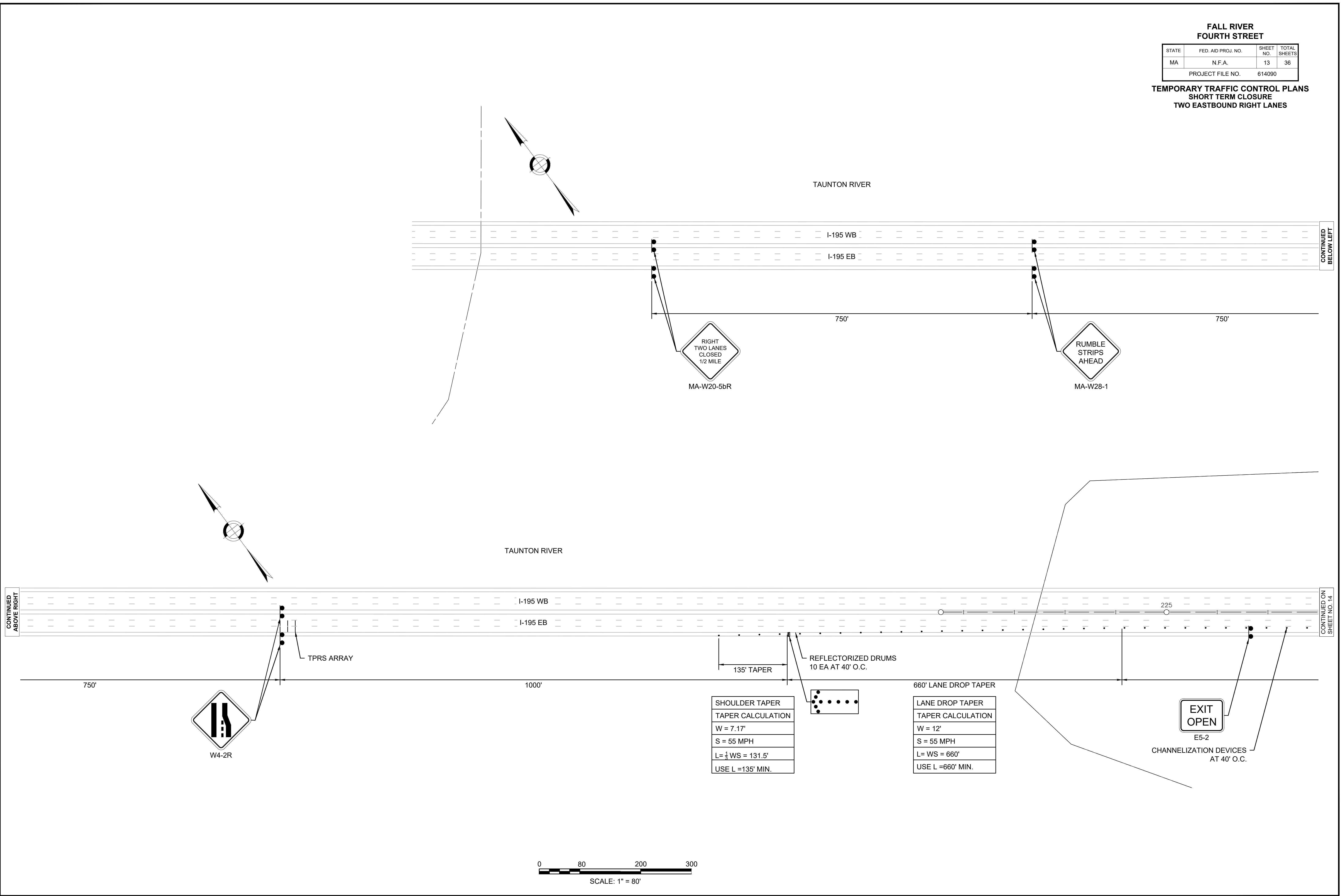
614090(18)02(TTCP)DWG Plotted on 9-Jun-2026 10:31 AM

**FALL RIVER
FOURTH STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	13	36
PROJECT FILE NO.		614090	

**TEMPORARY TRAFFIC CONTROL PLANS
SHORT TERM CLOSURE
TWO EASTBOUND RIGHT LANES**

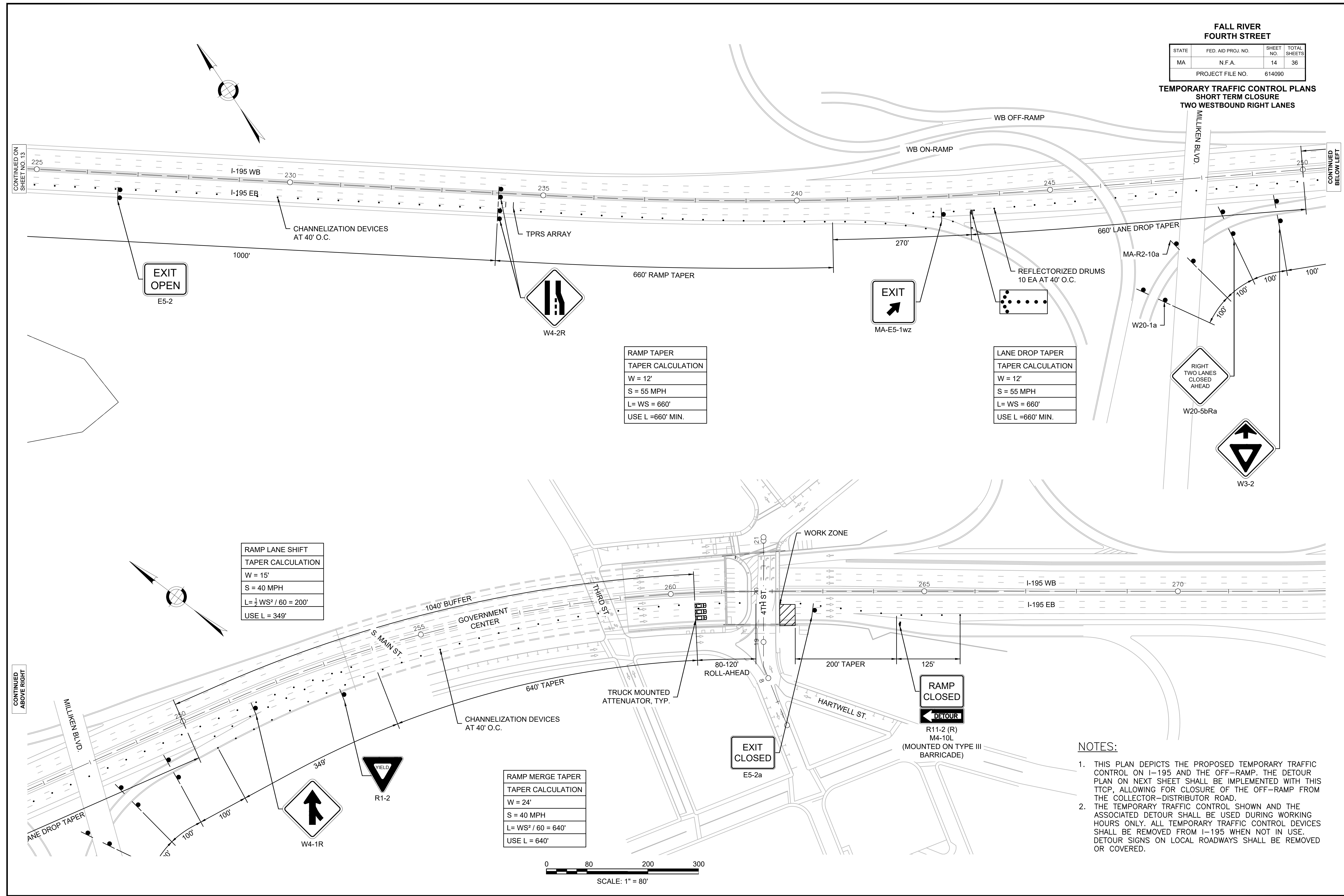
614090(134822)(TCP)DWG Plotted on 9-Jun-2026 10:31 AM



**FALL RIVER
FOURTH STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	14	36
PROJECT FILE NO.		614090	

**TEMPORARY TRAFFIC CONTROL PLANS
SHORT TERM CLOSURE
TWO WESTBOUND RIGHT LANES**



**RAMP TAPER
TAPER CALCULATION**

W = 12'
S = 55 MPH
L = WS = 660'
USE L = 660' MIN.

**LANE DROP TAPER
TAPER CALCULATION**

W = 12'
S = 55 MPH
L = WS = 660'
USE L = 660' MIN.

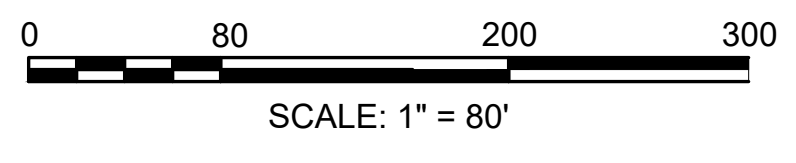
**RAMP LANE SHIFT
TAPER CALCULATION**

W = 15'
S = 40 MPH
L = $\frac{1}{2} WS^2 / 60 = 200'$
USE L = 349'

**RAMP MERGE TAPER
TAPER CALCULATION**

W = 24'
S = 40 MPH
L = $WS^2 / 60 = 640'$
USE L = 640'

- NOTES:**
1. THIS PLAN DEPICTS THE PROPOSED TEMPORARY TRAFFIC CONTROL ON I-195 AND THE OFF-RAMP. THE DETOUR PLAN ON NEXT SHEET SHALL BE IMPLEMENTED WITH THIS TTCP, ALLOWING FOR CLOSURE OF THE OFF-RAMP FROM THE COLLECTOR-DISTRIBUTOR ROAD.
 2. THE TEMPORARY TRAFFIC CONTROL SHOWN AND THE ASSOCIATED DETOUR SHALL BE USED DURING WORKING HOURS ONLY. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM I-195 WHEN NOT IN USE. DETOUR SIGNS ON LOCAL ROADWAYS SHALL BE REMOVED OR COVERED.

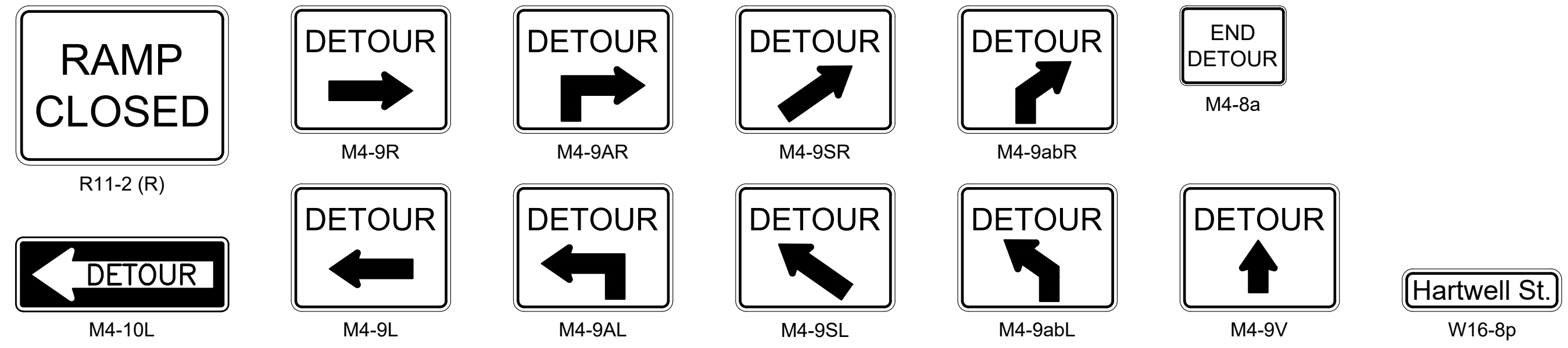


614090(134822)TTCP.DWG Plotted on 9-Jun-2026 10:31 AM

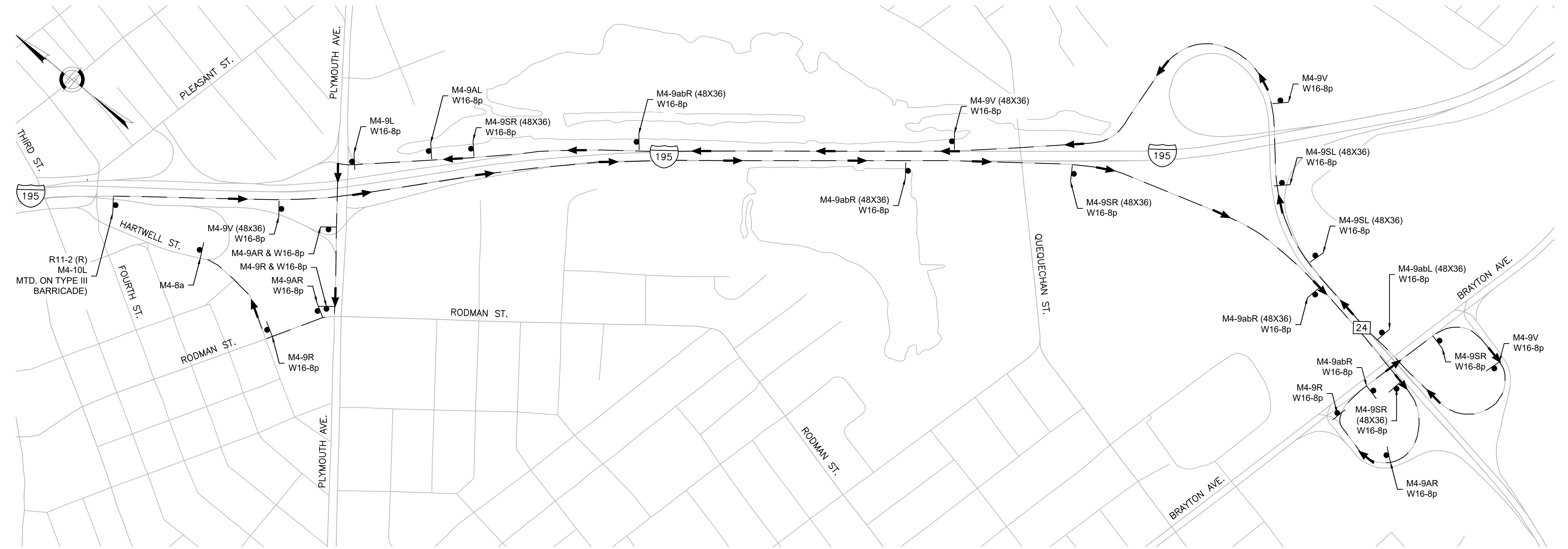
FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	15	36
PROJECT FILE NO.		614090	

TEMPORARY TRAFFIC CONTROL PLANS
EASTBOUND OFF-RAMP
DETOUR PLAN



SIGN LEGEND
NOT TO SCALE



EB OFF-RAMP DETOUR PLAN
SCALE: 1" = 300'

NOTES:

1. THIS DETOUR PLAN IS TO BE IMPLEMENTED WITH THE PROPOSED TEMPORARY TRAFFIC CONTROL ON I-195 ON THE PREVIOUS SHEET.
2. THE PROPOSED DETOUR SHALL BE USED DURING WORKING HOURS ONLY. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM I-195 WHEN NOT IN USE. DETOUR SIGNS ON LOCAL ROADWAYS SHALL BE REMOVED OR COVERED.

614090(18)02(TTCP)DWG Plotted on 9-Jun-2026 10:31 AM

TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		SIGN DIAGRAM	# REQ'D	COLOR			UNIT AREA S.F.	AREA IN SQUARE FEET
	WIDTH	HEIGHT			BACK-GROUND	LEGEND	BORDER		
E5-2	48"	36"		1	FLUOR. ORANGE	BLACK	BLACK	12	12
E5-2	48"	36"		1	FLUOR. ORANGE	BLACK	BLACK	12	12
MA-E5-1wz	48"	48"		1	GREEN	WHITE	WHITE	16	16
MA-R2-10a	60"	48"		4	FLUOR. ORANGE	BLACK	BLACK	20	80
					WHITE	BLACK	BLACK		
MA-R2-10a	48"	36"		8	FLUOR. ORANGE	BLACK	BLACK	12	96
					WHITE	BLACK	BLACK		
MA-R2-10e	48"	60"		5	FLUOR. ORANGE	BLACK	BLACK	20	100
					WHITE	BLACK	BLACK		
MA-R2-10e	36"	48"		3	FLUOR. ORANGE	BLACK	BLACK	12	36
					WHITE	BLACK	BLACK		
MA-W20-5bL (1/2 MILE)	48"	48"		2	FLUOR. ORANGE	BLACK	BLACK	16	32
MA-W20-5bR (1/2 MILE)	48"	48"		2	FLUOR. ORANGE	BLACK	BLACK	16	32
MA-W20-5bRa (AHEAD)	48"	48"		2	FLUOR. ORANGE	BLACK	BLACK	16	32
MA-W28-1	48"	48"		2	FLUOR. ORANGE	BLACK	BLACK	16	32
M1-1	30"	24"		25	BLUE	WHITE	WHITE	5	125
M3-4	24"	12"		25	BLUE	WHITE	WHITE	2	50

TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		SIGN DIAGRAM	# REQ'D	COLOR			UNIT AREA S.F.	AREA IN SQUARE FEET
	WIDTH	HEIGHT			BACK-GROUND	LEGEND	BORDER		
M4-5	24"	12"		5	FLUOR. ORANGE	BLACK	BLACK	2	10
M4-8	24"	12"		20	FLUOR. ORANGE	BLACK	BLACK	2	40
M4-8a	24"	18"		1	FLUOR. ORANGE	BLACK	BLACK	3	3
M4-9abL	48"	36"		1	FLUOR. ORANGE	BLACK	BLACK	12	12
M4-9abR	48"	36"		3	FLUOR. ORANGE	BLACK	BLACK	12	36
M4-9abR	30"	24"		1	FLUOR. ORANGE	BLACK	BLACK	5	5
M4-9aL	30"	24"		1	FLUOR. ORANGE	BLACK	BLACK	5	5
M4-9aR	30"	24"		3	FLUOR. ORANGE	BLACK	BLACK	5	15
M4-9bL	30"	24"		6	FLUOR. ORANGE	BLACK	BLACK	5	30
M4-9bR	30"	24"		6	FLUOR. ORANGE	BLACK	BLACK	5	30
M4-9bV	30"	24"		2	FLUOR. ORANGE	BLACK	BLACK	5	10
M4-9L	30"	24"		1	FLUOR. ORANGE	BLACK	BLACK	5	5
M4-9R	30"	24"		3	FLUOR. ORANGE	BLACK	BLACK	5	15

TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		SIGN DIAGRAM	# REQ'D	COLOR			UNIT AREA S.F.	AREA IN SQUARE FEET
	WIDTH	HEIGHT			BACK-GROUND	LEGEND	BORDER		
M4-9SL	48"	36"		2	FLUOR. ORANGE	BLACK	BLACK	12	24
M4-9SR	48"	36"		3	FLUOR. ORANGE	BLACK	BLACK	12	36
M4-9SR	30"	24"		1	FLUOR. ORANGE	BLACK	BLACK	5	5
M4-9V	48"	36"		2	FLUOR. ORANGE	BLACK	BLACK	12	24
M4-9V	30"	24"		2	FLUOR. ORANGE	BLACK	BLACK	5	10
M4-10L	48"	18"		3	FLUOR. ORANGE	BLACK	BLACK	6	18
M4-10R	48"	18"		1	FLUOR. ORANGE	BLACK	BLACK	6	6
M5-1L	21"	15"		3	FLUOR. ORANGE	BLACK	BLACK	2.2	6.6
M5-1R	21"	15"		3	FLUOR. ORANGE	BLACK	BLACK	2.2	6.6
M5-2L	21"	15"		3	FLUOR. ORANGE	BLACK	BLACK	2.2	6.6
M6-1L	21"	15"		3	FLUOR. ORANGE	BLACK	BLACK	2.2	6.6
M6-1R	21"	15"		5	FLUOR. ORANGE	BLACK	BLACK	2.2	11

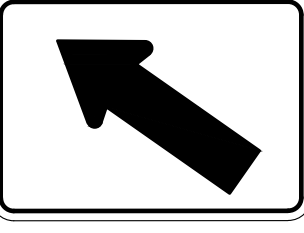
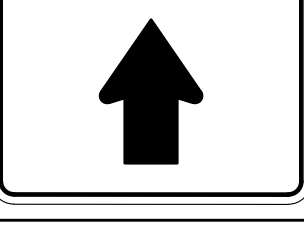

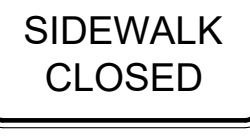
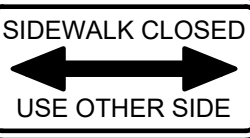
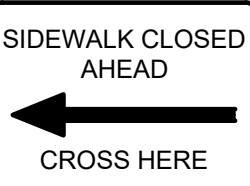




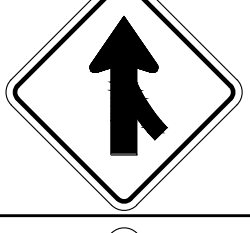
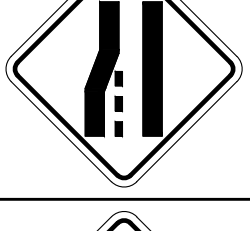
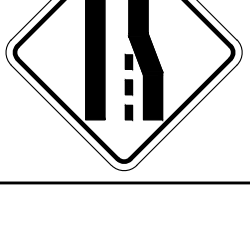
* TEXT DIMENSIONS PER CHAPTER 2 OF THE 2009 MUTCD AND MASSDOT STANDARDS.

**FALL RIVER
FOURTH STREET**







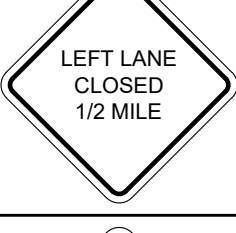
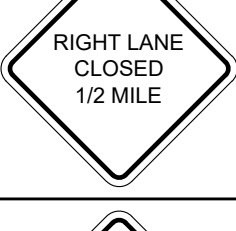
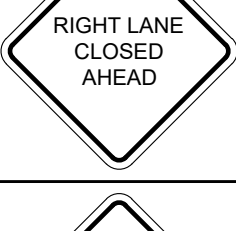
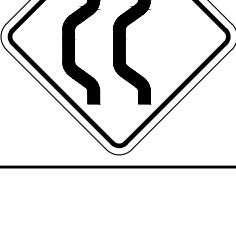
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	17	36
PROJECT FILE NO.		614090	

**TEMPORARY TRAFFIC CONTROL PLANS
TRAFFIC SIGN SUMMARY SHEET**

TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		SIGN DIAGRAM	# REQ'D	COLOR			UNIT AREA S.F.	AREA IN SQUARE FEET
	WIDTH	HEIGHT			BACK-GROUND	LEGEND	BORDER		
M6-2L	21"	15"		3	FLUOR. ORANGE	BLACK	BLACK	2.2	6.6
M6-3	21"	15"		7	FLUOR. ORANGE	BLACK	BLACK	2.2	15.4
R1-2*	48" X 48" X 48"			1	FLUOR. RED/WHITE	BLACK	BLACK	7	7
R9-9	24"	12"		2	WHITE	BLACK	BLACK	2	4
R9-10	24"	12"		1	WHITE	BLACK	BLACK	2	2
R9-11L	24"	18"		1	WHITE	BLACK	BLACK	3	3
R9-11R	24"	18"		1	WHITE	BLACK	BLACK	3	3
R11-2	48"	30"		1	WHITE	BLACK	BLACK	10	10
R11-2 (R)	48"	30"		3	WHITE	BLACK	BLACK	10	30
W3-2	48"	48"		2	FLUOR. ORANGE	BLACK	BLACK	16	32
W4-1R	48"	48"		1	FLUOR. ORANGE	BLACK	BLACK	16	16
W4-2L	48"	48"		4	FLUOR. ORANGE	BLACK	BLACK	16	64
W4-2R	48"	48"		5	FLUOR. ORANGE	BLACK	BLACK	16	80

TRAFFIC SIGN SUMMARY

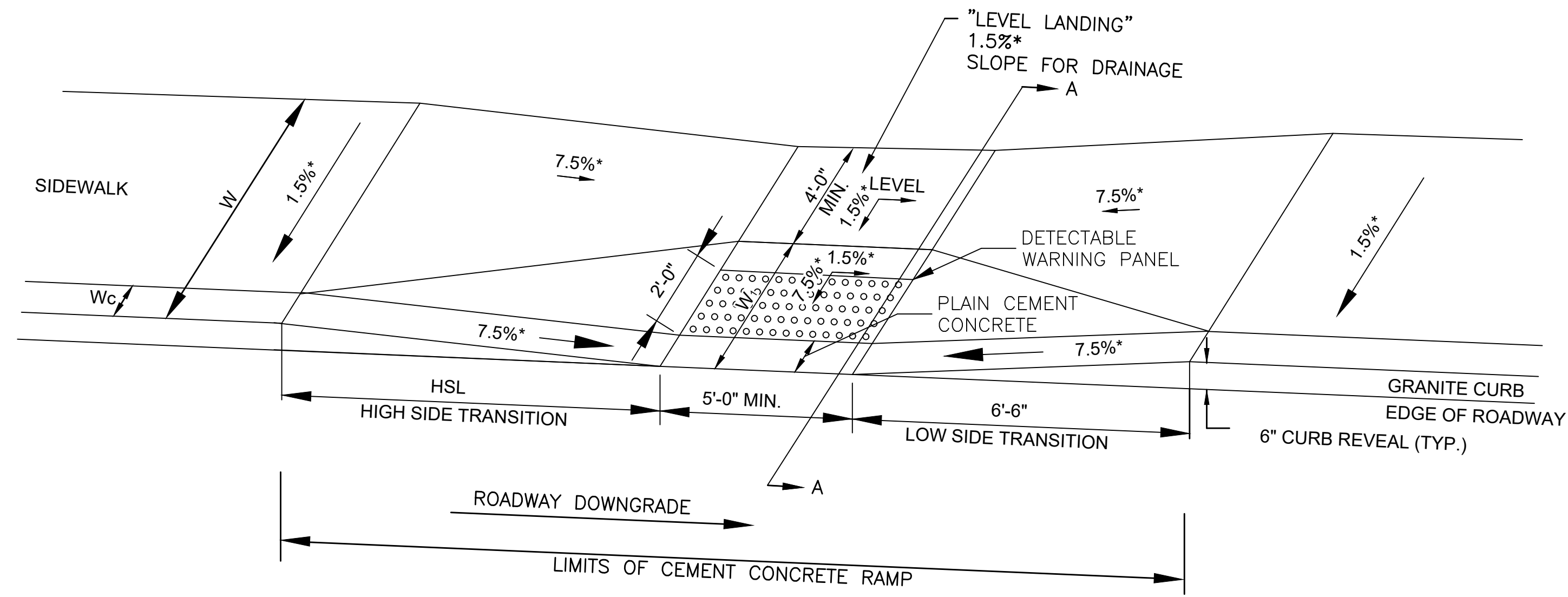
IDENTIFICATION NUMBER	SIZE OF SIGN		SIGN DIAGRAM	# REQ'D	COLOR			UNIT AREA S.F.	AREA IN SQUARE FEET
	WIDTH	HEIGHT			BACK-GROUND	LEGEND	BORDER		
W5-1	36"	36"		4	FLUOR. ORANGE	BLACK	BLACK	9	36
W5-1	48"	48"		2	FLUOR. ORANGE	BLACK	BLACK	16	36
W13-1p	30"	30"		10	FLUOR. ORANGE	BLACK	BLACK	6.25	62.5
W16-8p	30"	8"		22	FLUOR. ORANGE	BLACK	BLACK	1.7	36.7
W20-1	48"	48"		4	FLUOR. ORANGE	BLACK	BLACK	16	64
W20-1a	36"	36"		8	FLUOR. ORANGE	BLACK	BLACK	9	72
W20-5L (1/2 MILE)	48"	48"		2	FLUOR. ORANGE	BLACK	BLACK	16	32
W20-5R (1/2 MILE)	48"	48"		2	FLUOR. ORANGE	BLACK	BLACK	16	32
W20-5R (AHEAD)	36"	36"		3	FLUOR. ORANGE	BLACK	BLACK	9	27
W24-1aL	36"	36"		1	FLUOR. ORANGE	BLACK	BLACK	9	9

TOTAL AREA = 1750.9 SF

FALL RIVER
FOURTH STREET

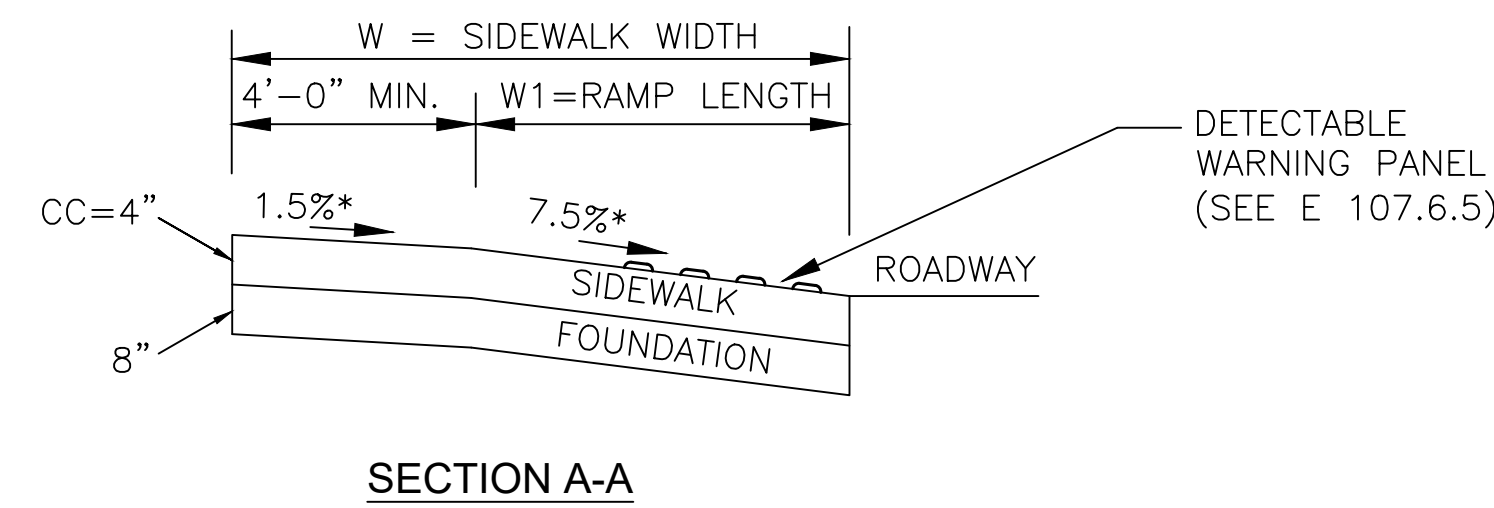
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	18	36
PROJECT FILE NO.		614090	

CONSTRUCTION DETAILS



LEGEND

- HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
- W = SIDEWALK WIDTH
- W_1 = PERPENDICULAR RAMP LENGTH
- W_c = CURB WIDTH
- CC = CEMENT CONCRETE
- * = TOLERANCE FOR CONSTRUCTION $\pm 0.5\%$
- USABLE SIDEWALK WIDTH PER AAB = $W - W_c$
- RAMP LENGTH, $W_1 = W - 4' - 0"$ Min



NOTES:

1. LEVEL LANDING AND RAMP MUST BE CLEAR OF ANY OBSTRUCTIONS.
2. DETECTABLE WARNING PANEL MUST BE $2'$ AT ALL POINTS IN PEDESTRIAN PATH OF TRAVEL. SEE CONSTRUCTION STANDARD DETAIL 701.2.1.
3. PEDESTRIAN PATH OF TRAVEL SHALL BE NO LESS THAN $4'-0"$ WIDE AND FREE OF VERTICAL OBSTRUCTIONS (FOR ALL CONSTRAINED CONDITIONS).
4. ALL SLOPE VALUES LISTED HERE ARE MAXIMUM VALUES WITH A CONSTRUCTION TOLERANCE OF $\pm 0.5\%$.
5. USABLE SIDEWALK WIDTH = $W - W_c$.

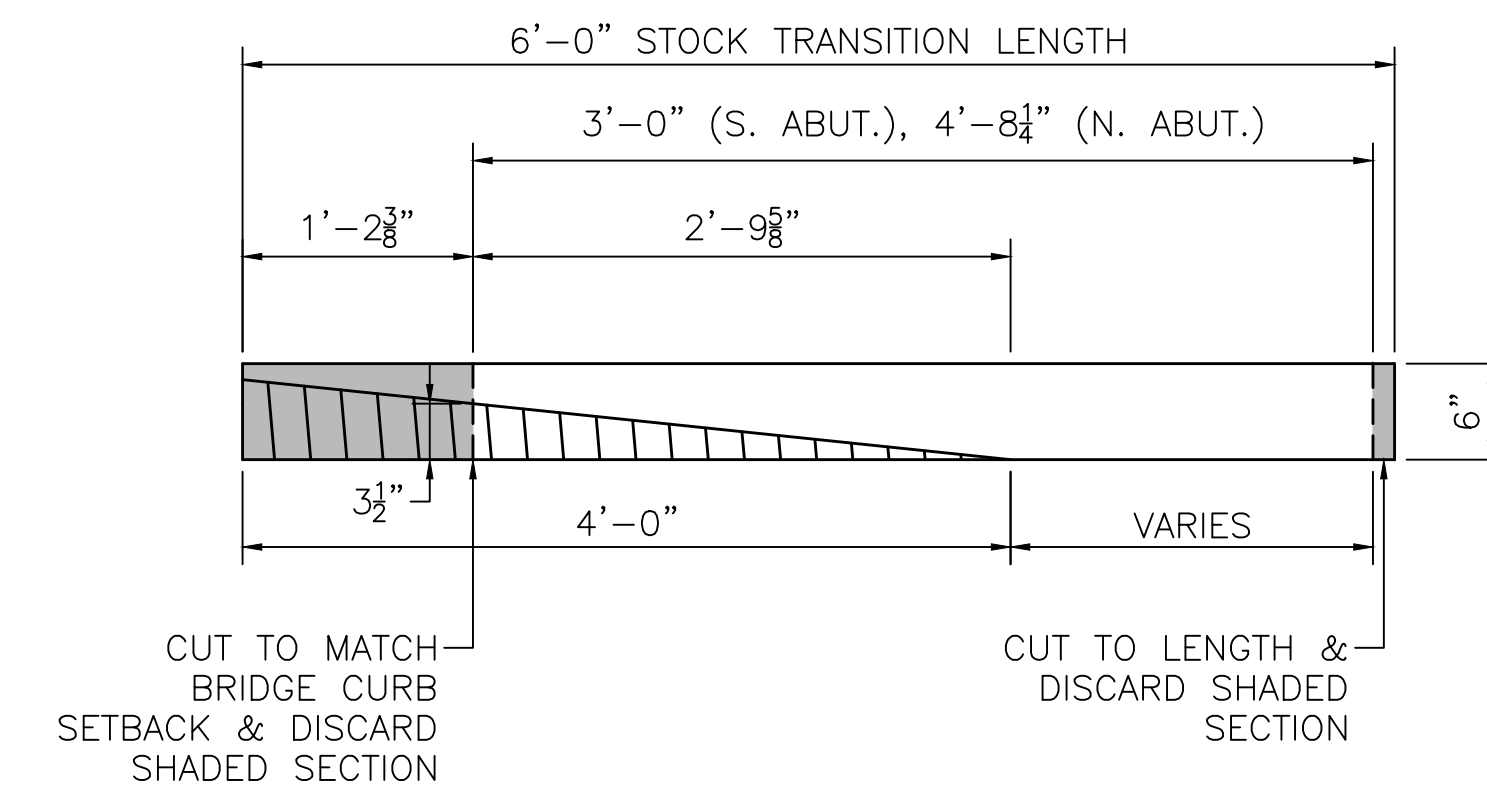
PEDESTRIAN CURB RAMP LESS THAN 12' - 4" SIDEWALK

NOT TO SCALE

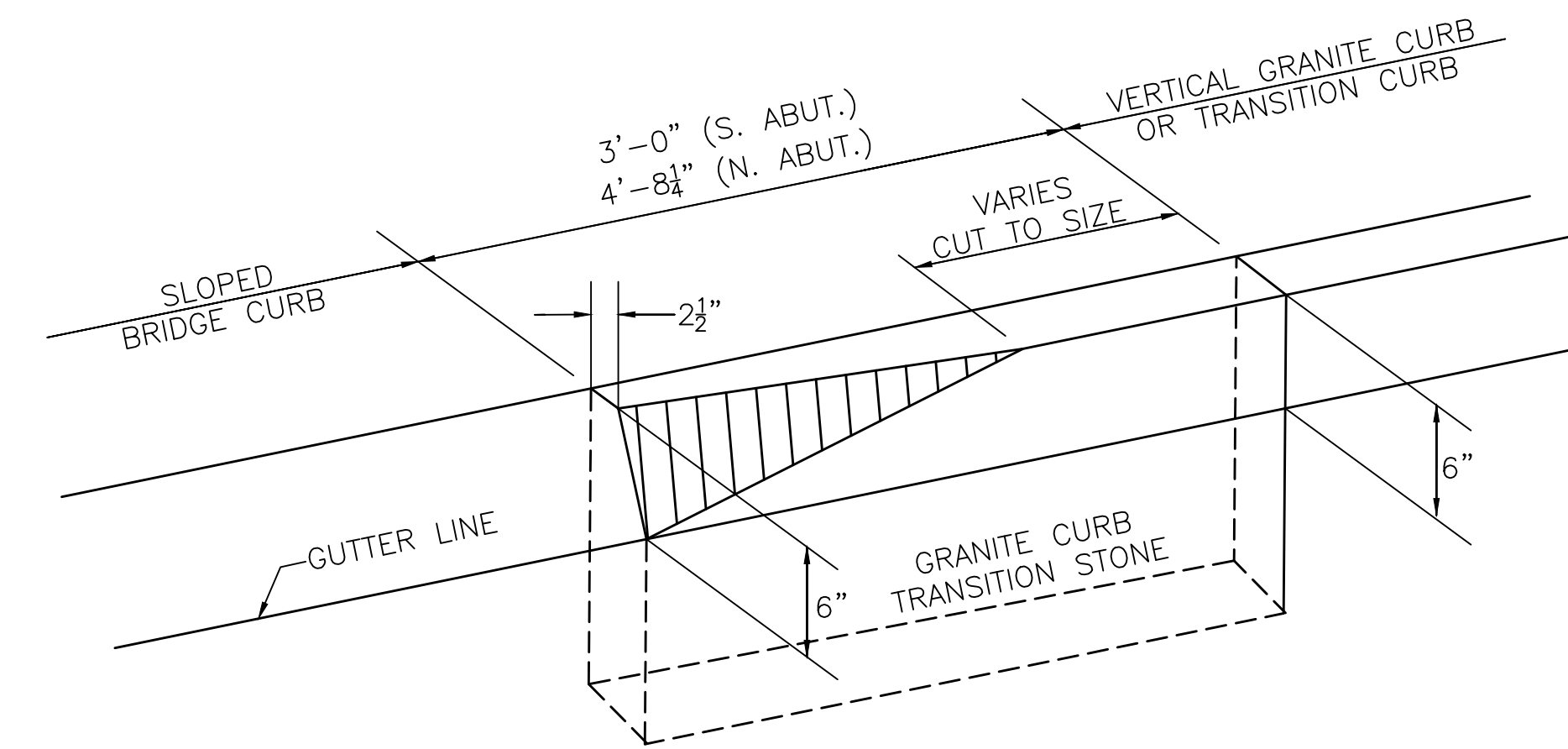
PEDESTRIAN CURB RAMP LESS THAN 12'-4" SIDEWALK (CONSTRUCTION STANDARD DRAWING 701.2.3)								
RAMP #	RAMP REFERENCE POINT		WIDTH OF SIDEWALK (W)	LENGTH OF RAMP (W1)	WIDTH OF CURB (Wc)	ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	STATION	OFFSET					HIGH SIDE	LOW SIDE
1	20+97.0	4.60' RT	6.63'	2.63'	0'-6"	0.50%	9'-0"	6'-6"

NOTES:

1. THE TRANSITION AT THE NORTH ABUTMENT IS OPPOSITE HAND.
2. TRANSITION SHALL MATCH THE CROSS SECTION AT THE BRIDGE. THE LENGTH OF THE VERTICAL CURB SECTION SHALL VARY TO MEET FIELD CONDITIONS.
3. TRANSITION MAY BE FABRICATED TO THE SPECIFIED DIMENSIONS OR CUT FROM A STANDARD $6'-0"$ TRANSITION (WITH A $4'$ SPLAYED CUT) BY CUTTING $1'-2 \frac{3}{8}"$ FROM THE SPLAYED END AND CUTTING THE OPPOSITE END TO THE REQUIRED LENGTH.



PLAN



GRANITE TRANSITION CURB

SLOPED TO VERTICAL
NOT TO SCALE

FALL RIVER FOURTH STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	19	36
PROJECT FILE NO.		614090	

LOCUS, PLAN, PROFILES & GENERAL NOTES

GENERAL NOTES:
 DIMENSIONS SHOWN ARE TAKEN FROM ORIGINAL DESIGN DRAWINGS AND ARE NOT GUARANTEED. STATIONING SHOWN IS FOR REFERENCE ONLY AND HAS NOT BEEN ESTABLISHED BY SURVEY. THE CONTRACTOR SHALL ESTABLISH HIS OWN BASELINE NECESSARY FOR COMPLETION OF ALL WORK BY FIELD MEASUREMENT AND SURVEY. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE COST OF THE CONTRACT.

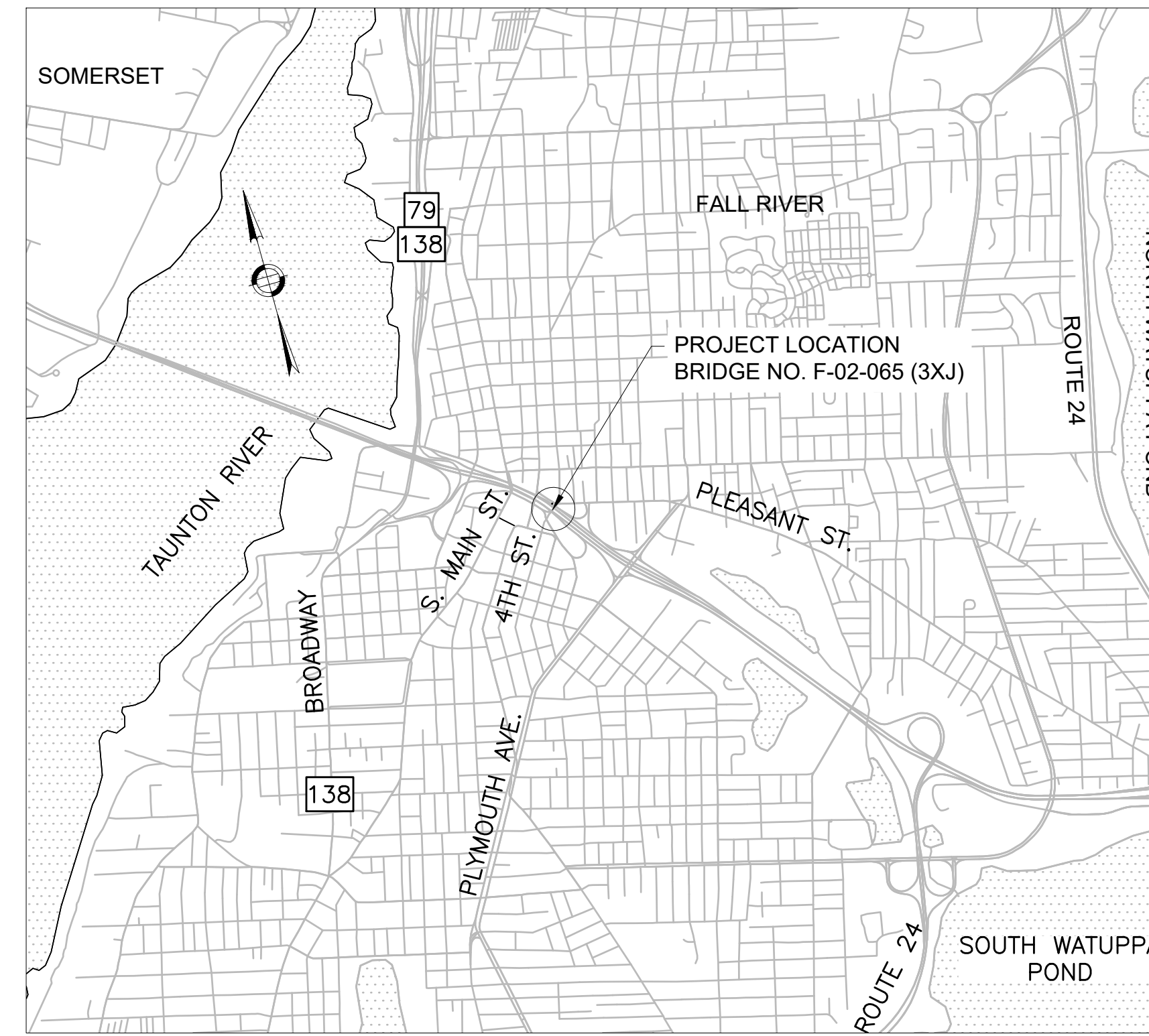
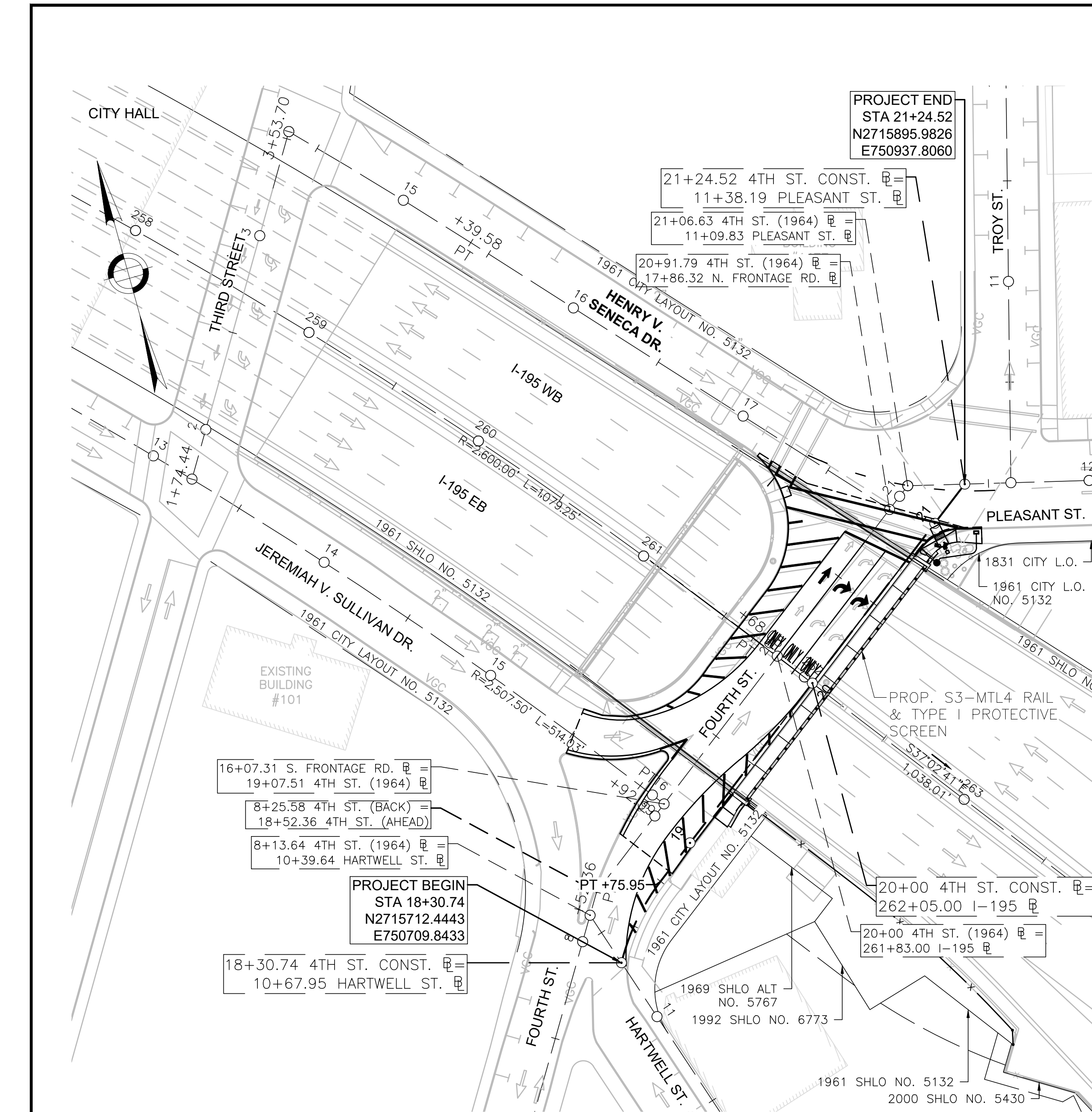
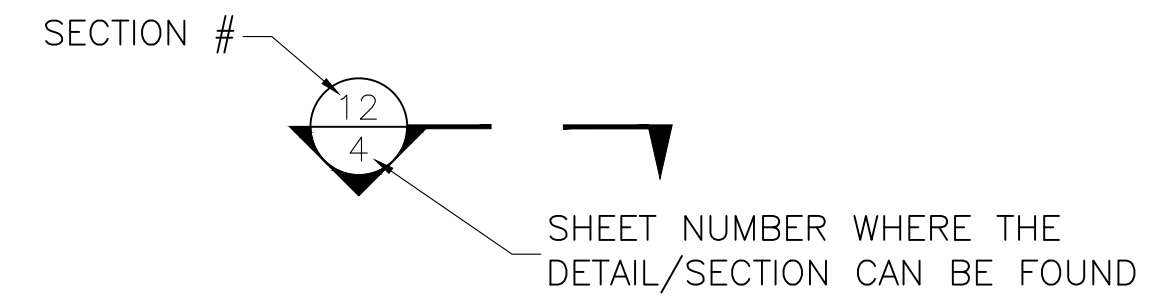
EXISTING CONDITIONS:
 ALL DIMENSIONS, ELEVATIONS AND DETAILS SHOWN FOR EXISTING CONDITIONS ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS, ELEVATIONS AND DETAILS NECESSARY FOR COMPLETION OF ALL WORK BY FIELD MEASUREMENT AND SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY AND ACCURACY THEREOF, AND SHALL NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL THE PROPOSED WORK HAS BEEN APPROVED BY THE ENGINEER. ANY INTERFERENCE WITH THE PROPOSED CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER.

TRAFFIC:
 THE BRIDGE WILL BE OPEN TO A MINIMUM OF TWO LANES OF ONE-WAY TRAFFIC DURING ALL PHASES OF THE PROJECT. A MINIMUM OF TWO LANES WILL BE MAINTAINED IN EACH DIRECTION ON I-195 AT ALL TIMES.

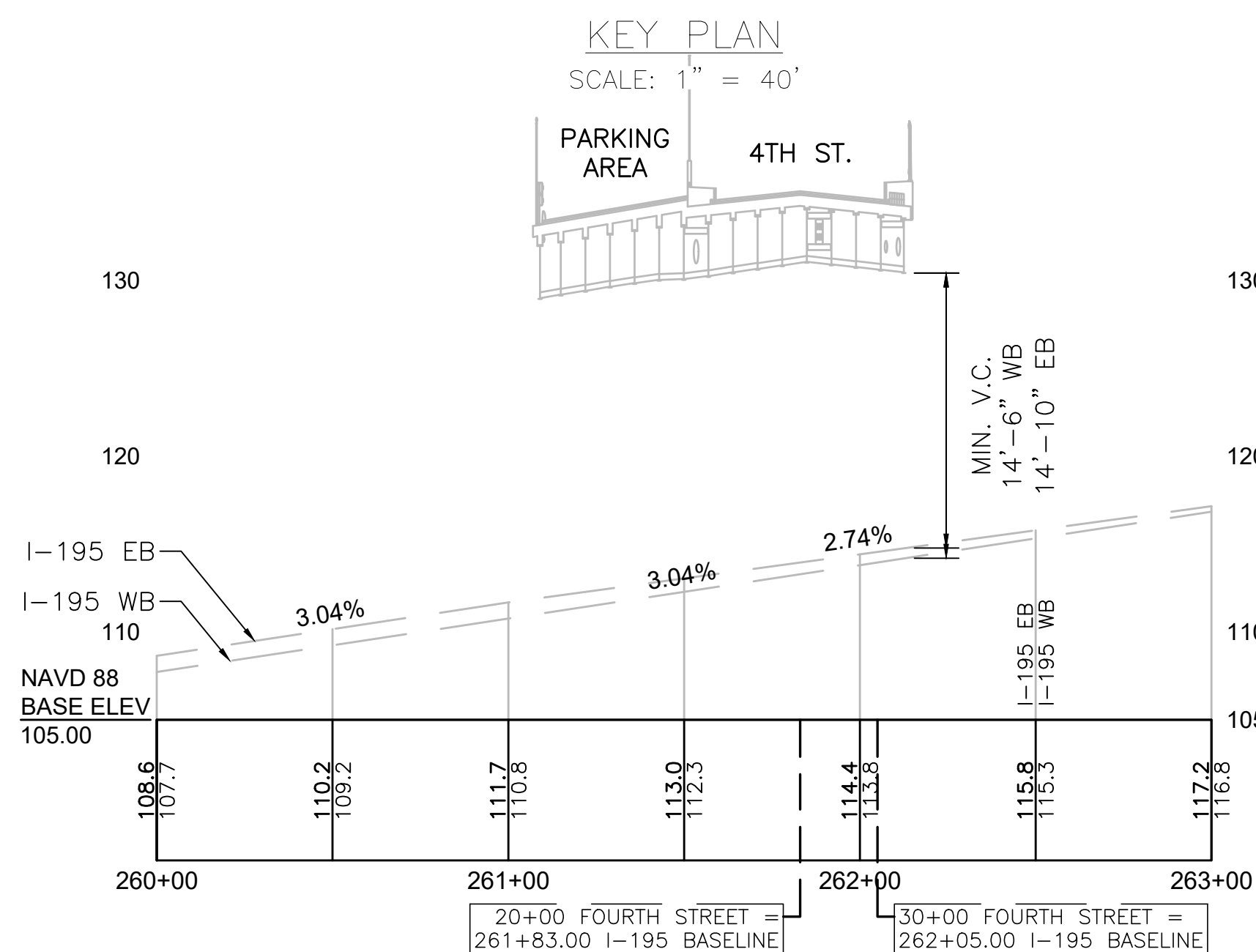
EXISTING PLANS:
 PLANS FOR THE EXISTING BRIDGE ARE AVAILABLE THROUGH THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION AT 10 PARK PLAZA BOSTON, MA 02116

UTILITIES:
 THE CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UTILITIES FROM ALL DAMAGE, INCLUDING THE TWO GAS MAINS UNDER THE SIDEWALK.

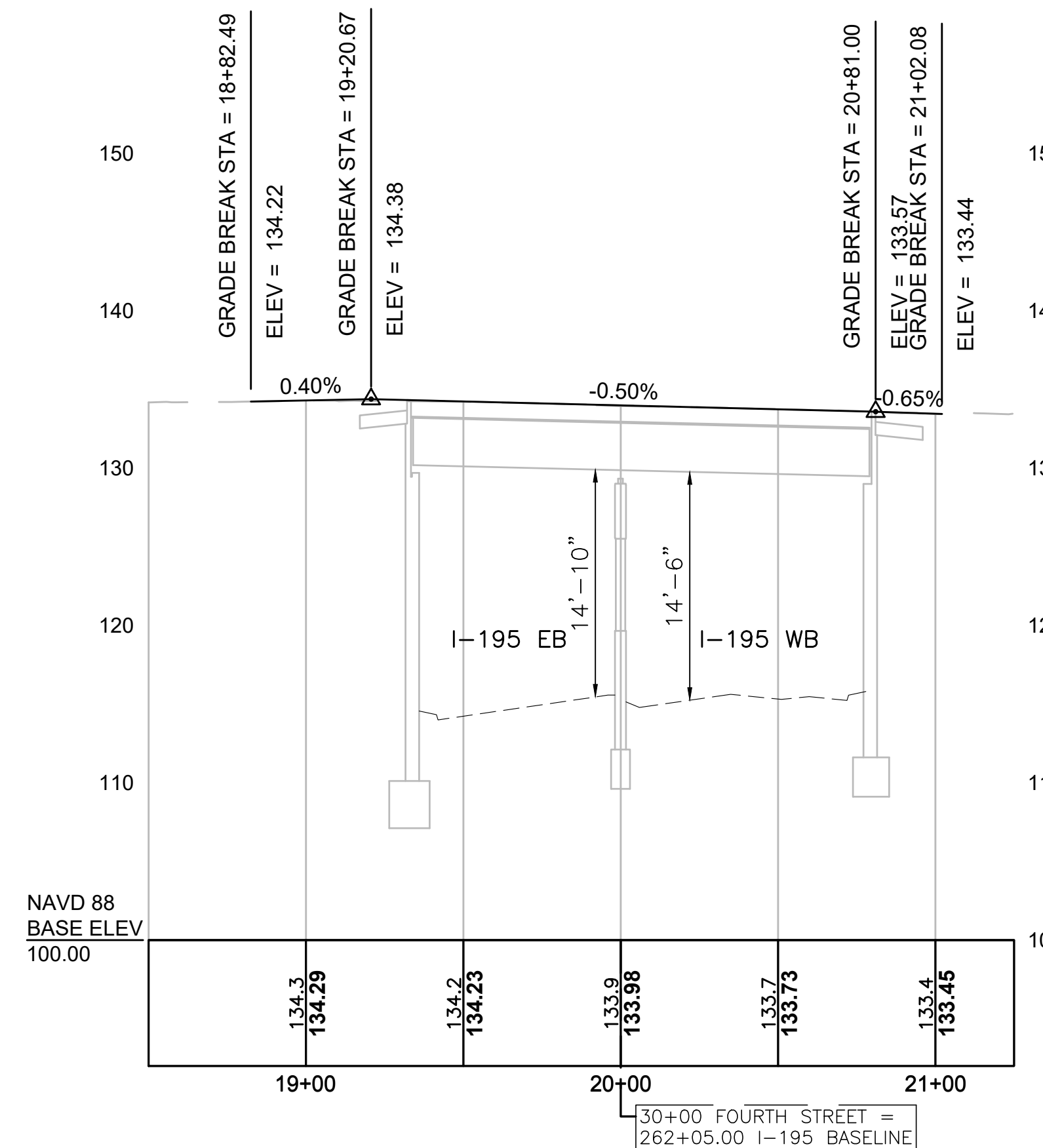
SECTION MARK:



LOCUS
 SCALE: 1" = 2000'



PROFILE - I-195
 SCALE: 1" = 40' HORIZONTAL
 SCALE: 1" = 8' VERTICAL



PROFILE - FOURTH STREET
 SCALE: 1" = 40' HORIZONTAL
 SCALE: 1" = 8' VERTICAL

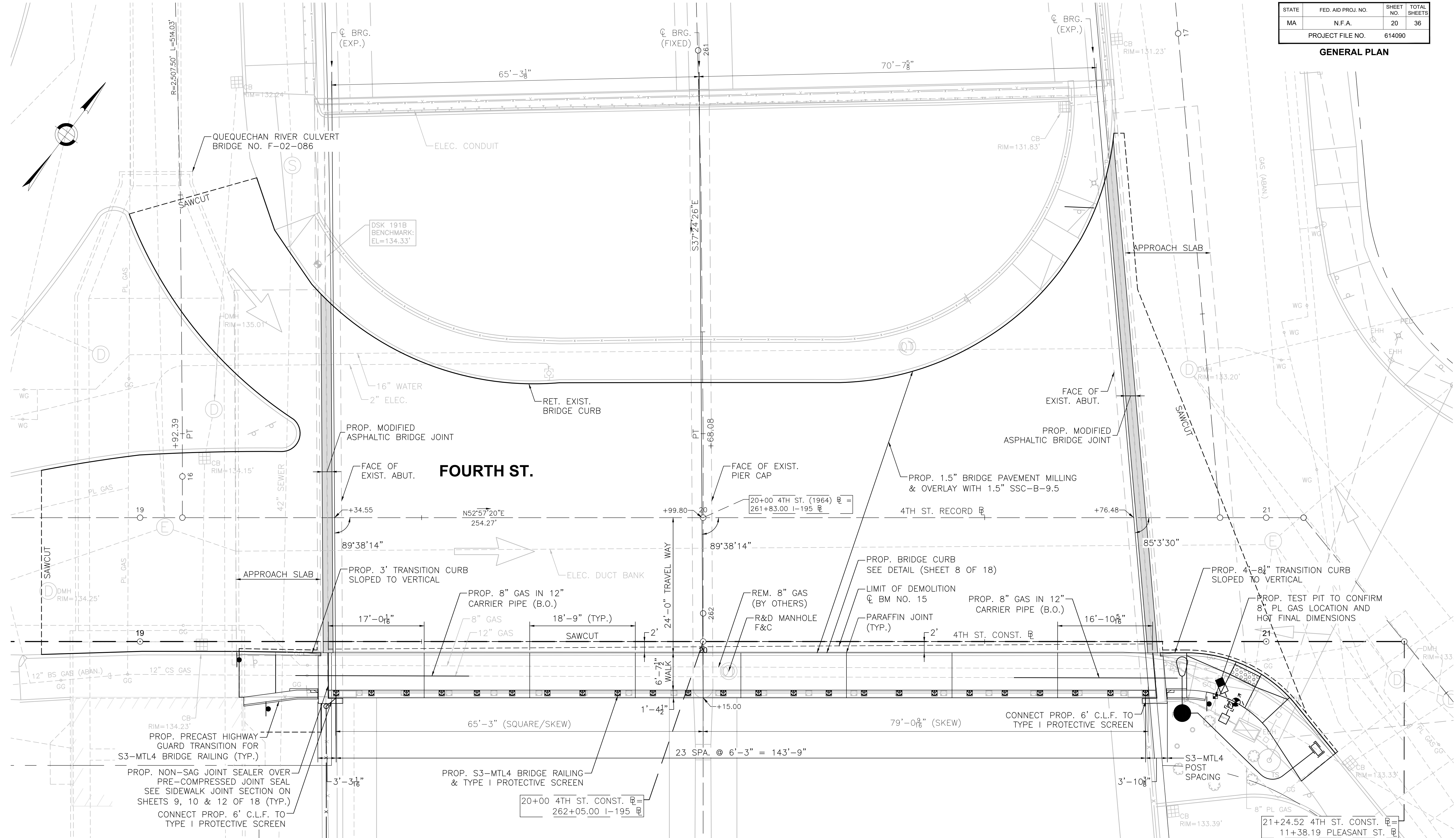
DRAWING LIST	
SHEET NUMBER	SHEET TITLE
1	LOCUS, KEY PLAN, PROFILES & GENERAL NOTES
2	GENERAL PLAN
3	ELEVATION & TYPICAL SECTION
4	DECK & CEILING PANEL DEMOLITION PLANS
5	FRAMING PLAN
6	JOINT PLAN
7	DECK REINFORCING PLAN
8	SIDEWALK DETAILS
9-12	ABUTMENT JOINT DETAILS
13	DIAPHRAGM DETAILS
14	HGT BASE DETAILS
15	HGT FOR S3-MTL4 1 OF 2
16	HGT FOR S3-MTL4 2 OF 2
17	S3-MTL4 BRIDGE RAILING
18	PROTECTIVE SCREEN TYPE I

DESIGNED BY A. DUGGAN	JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DRAWN BY A. DUGGAN	 BRIDGE PRESERVATION FALL RIVER FOURTH STREET FALL RIVER MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION 10 PARK PLAZA BOSTON, MASS	
CHECKED BY A. SILVIA		
SPECS. BY A. DUGGAN		
APPROVED FOR DESIGN BY		

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	20	36
PROJECT FILE NO.		614090	

GENERAL PLAN



GENERAL PLAN
SCALE: 1/8" = 1'-0"

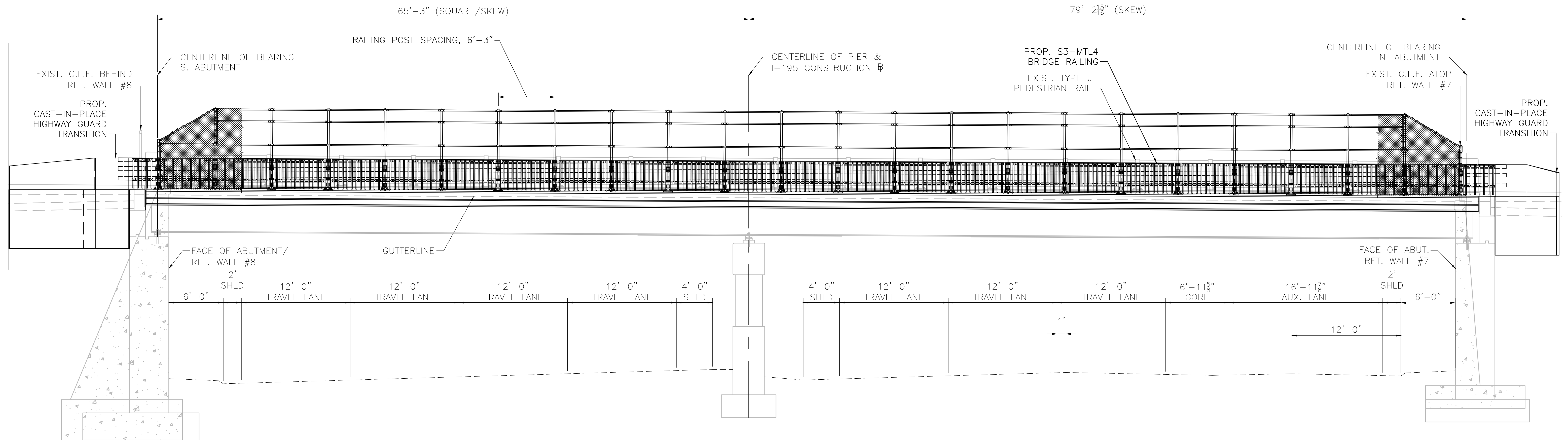
JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

614090(BR)00(TITLE PLAN).DWG Plotted on 9-Jun-2026 10:32 AM 9-JUN-2026 614090 PS&E 2 Submittal

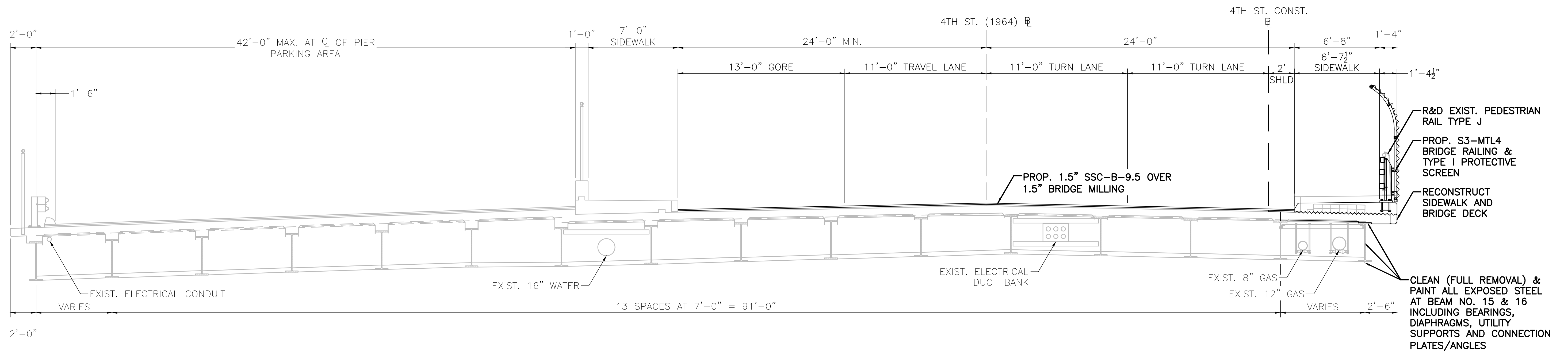
FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	21	36
PROJECT FILE NO.		614090	

ELEVATION & TYPICAL SECTION



SOUTHEAST ELEVATION
SCALE: 3/16" = 1'



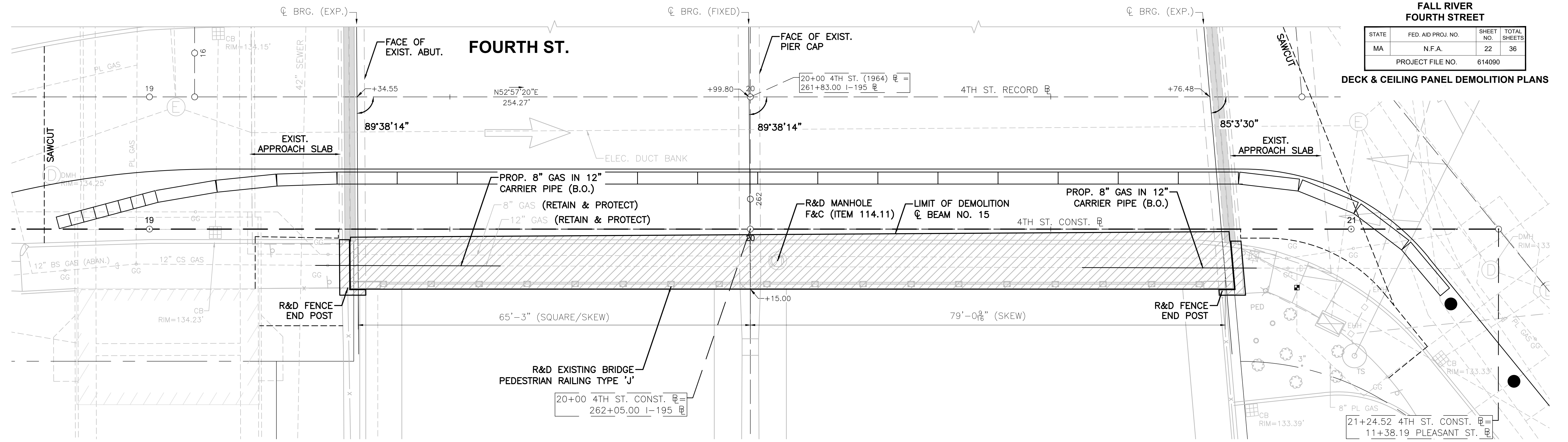
TYPICAL SECTION
SCALE: 1/4" = 1'

DATE	DESCRIPTION
JUNE 9, 2026	ISSUED FOR CONSTRUCTION
USE ONLY PRINTS OF LATEST DATE	

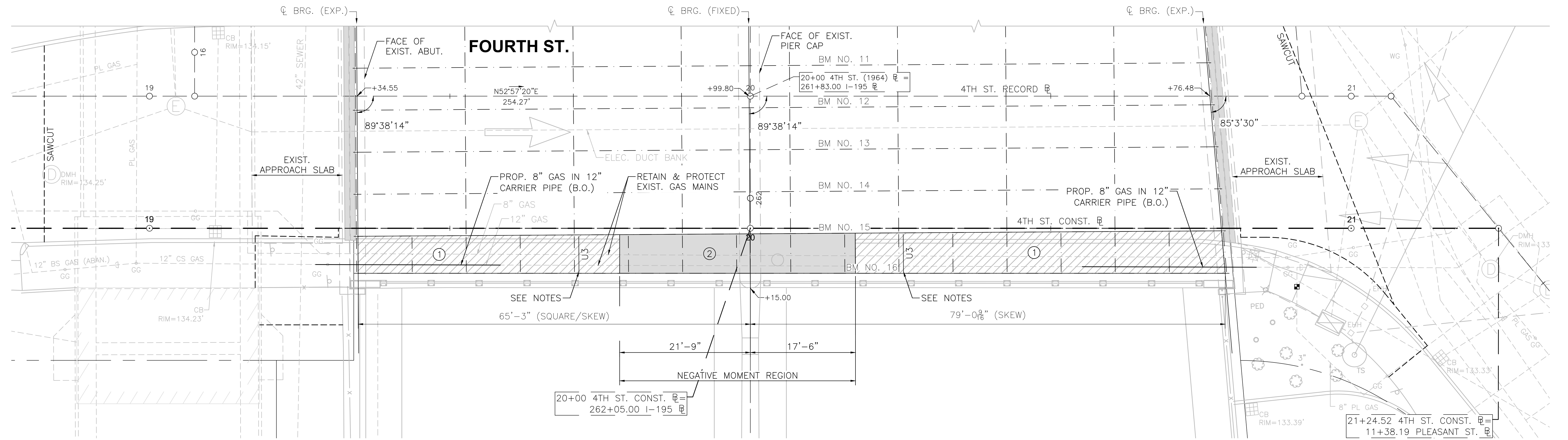
FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	22	36
PROJECT FILE NO.		614090	

DECK & CEILING PANEL DEMOLITION PLANS



DECK DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



CEILING PANEL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. CONCRETE CEILING PANELS IN BAY NO. 15 SHALL BE DEMOLISHED (ITEM 114.11) IN SECTIONS IN THE SEQUENCE SPECIFIED.
2. CONCRETE CEILING PANELS SHALL BE DEMOLISHED IN THE POSITIVE MOMENT REGIONS FIRST (0' - 43.5' IN SPAN NO. 1 & 17.5' TO 79.05' IN SPAN NO. 2). CEILING PANELS SHALL NOT BE REMOVED FROM THE NEGATIVE MOMENT REGION UNTIL THE 2ND AND 5TH INTERMEDIATE DIAPHRAGMS FROM THE SOUTH ABUTMENT HAVE BEEN INSTALLED.

JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	23	36
PROJECT FILE NO.		614090	

FRAMING PLAN



FRAMING PLAN
SCALE: 1/8" = 1'-0"

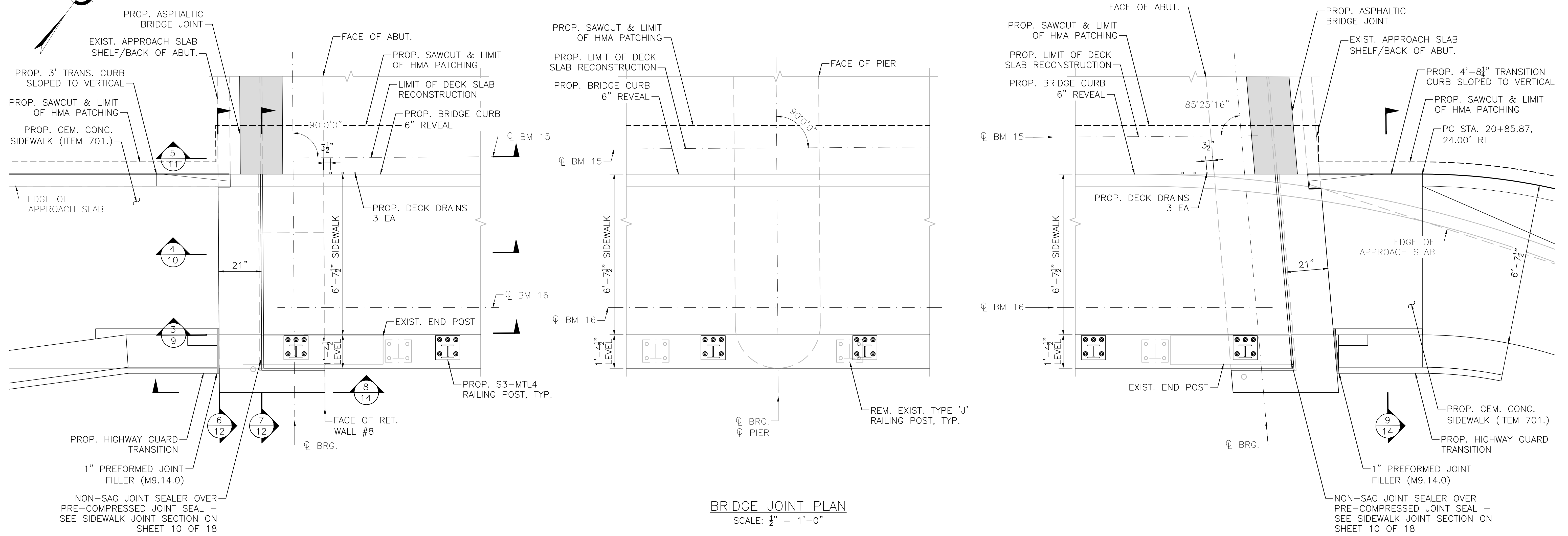
DATE	DESCRIPTION
JUNE 9, 2026	ISSUED FOR CONSTRUCTION
USE ONLY PRINTS OF LATEST DATE	

614090 (BR) (00) (TITLE PLAN) (DWG) 9-JUN-2026 10:33 AM

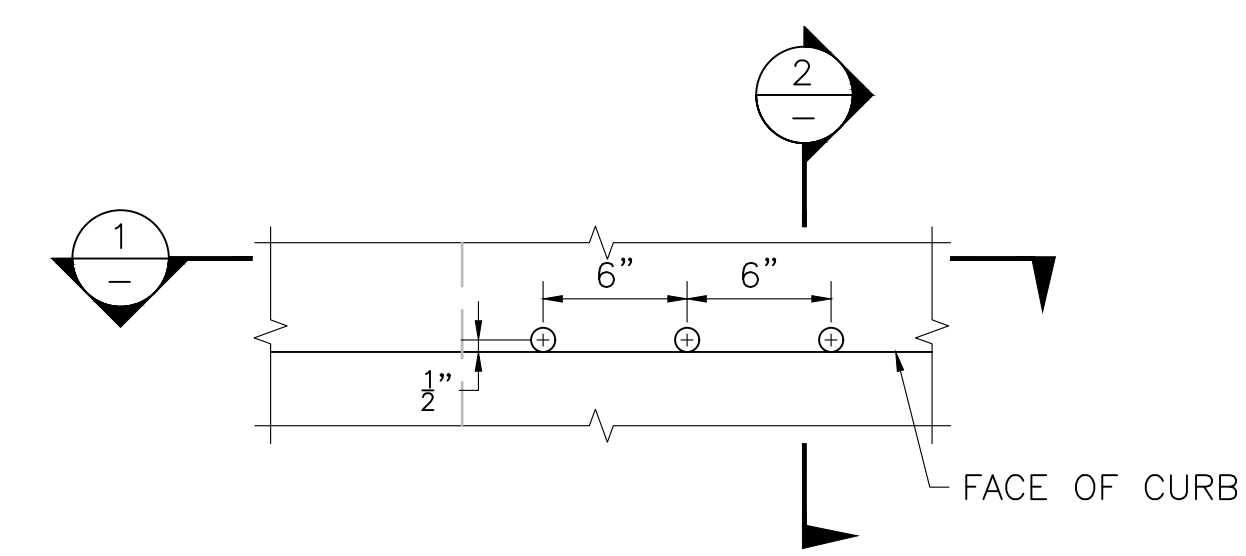
FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	24	36
PROJECT FILE NO.		614090	

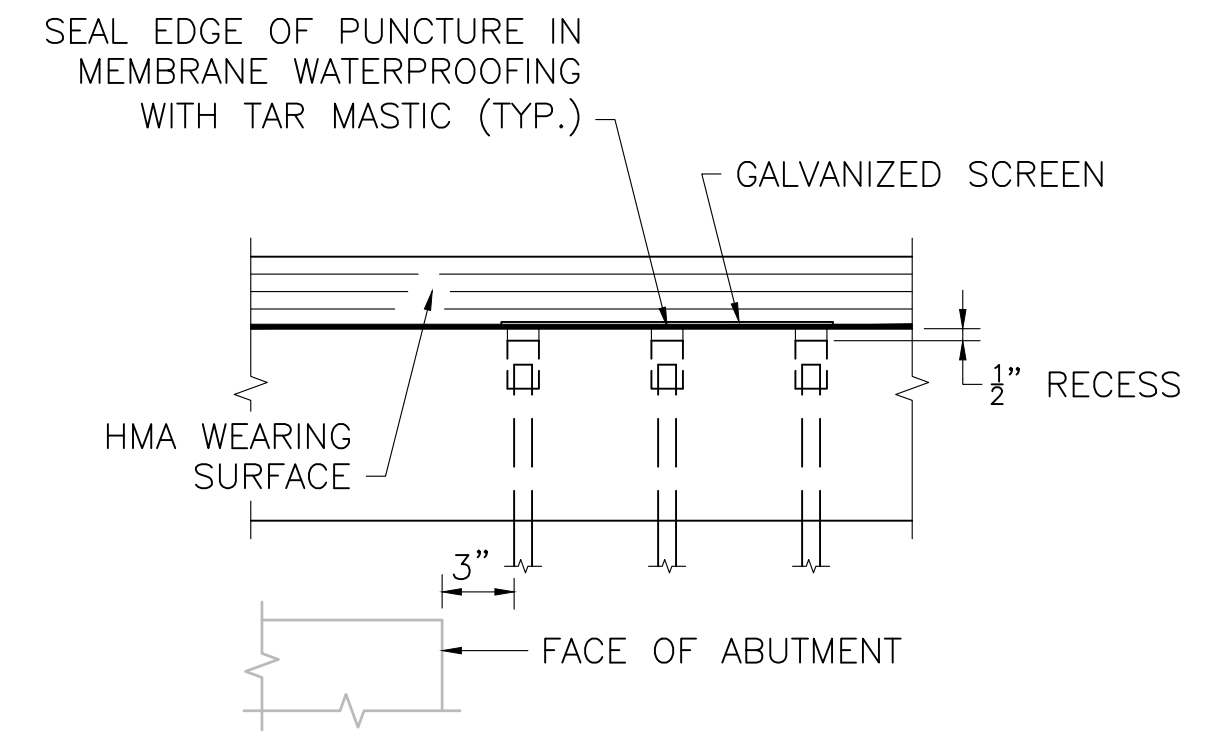
JOINT PLAN



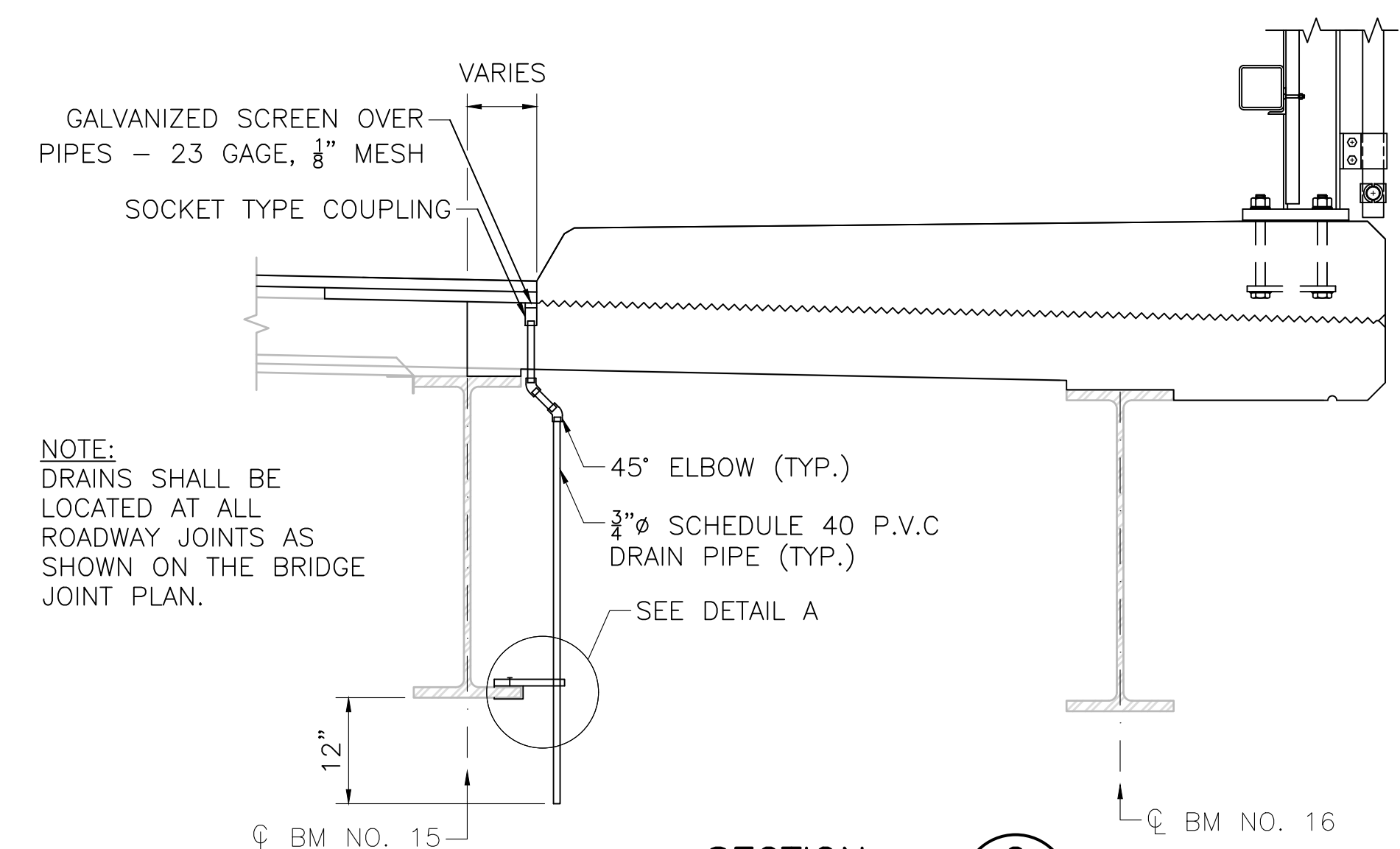
BRIDGE JOINT PLAN
SCALE: 1/2" = 1'-0"



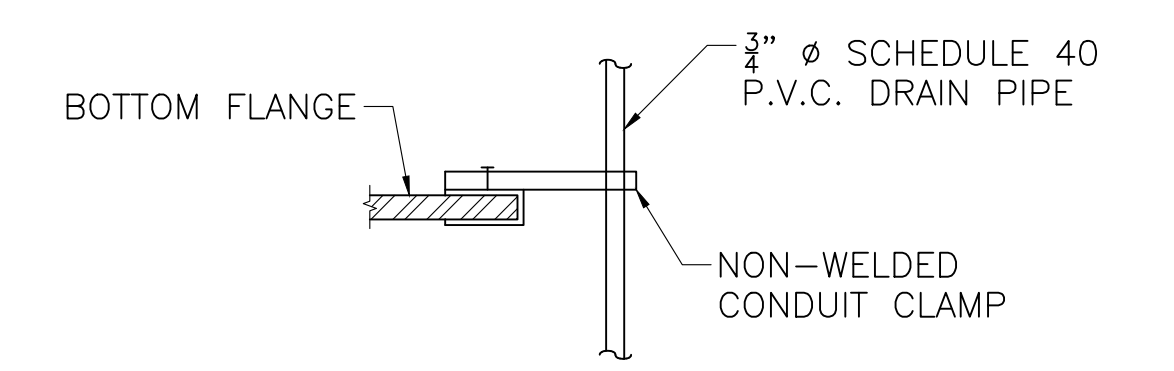
DECK DRAINS DETAIL
SCALE: 1/2" = 1'-0"



SECTION 1
SCALE: 1/2" = 1'-0"



SECTION 2
SCALE: 3/4" = 1'-0"



DETAIL A
SCALE: 1/2" = 1'-0"

DATE	DESCRIPTION
JUNE 9, 2026	ISSUED FOR CONSTRUCTION
USE ONLY PRINTS OF LATEST DATE	

614090(BR01)BRIDGE.DWG Plotted on 9-Jun-2026 10:33 AM 9-JUN-2026 614090 PS&E 2 Submittal

FALL RIVER
FOURTH STREET

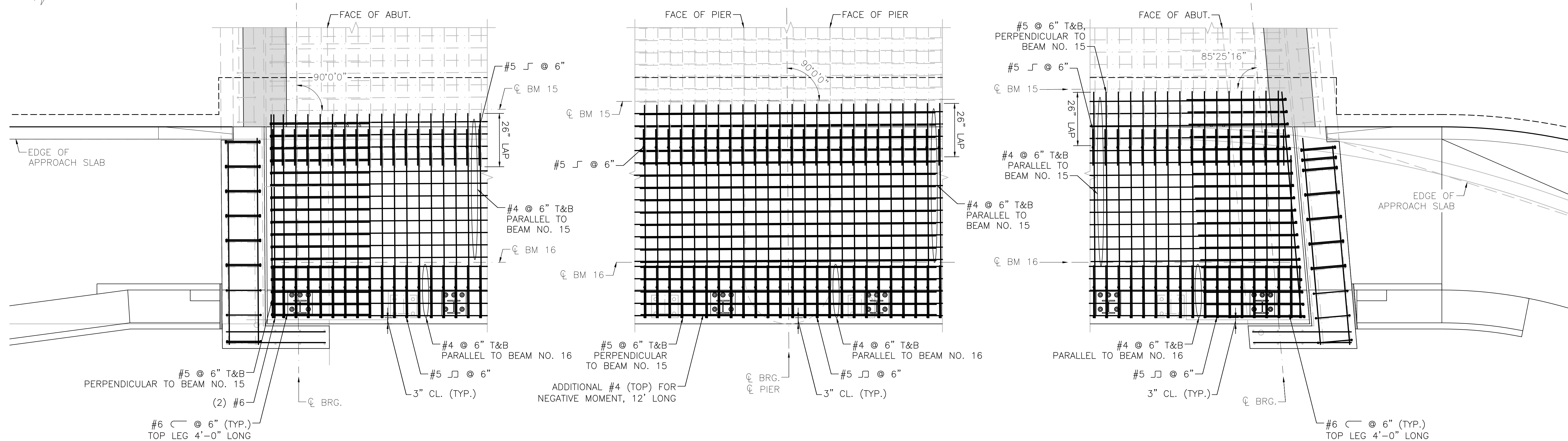
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	25	36
PROJECT FILE NO.		614090	

DECK REINFORCING PLAN

NOTE:

AFTER THE DECK IS DEMOLISHED BUT BEFORE THE FORMS ARE INSTALLED, THE ELEVATION AT THE TOP FLANGE OF BEAM NO. 16 SHALL BE OBTAINED AT THE POINTS INDICATED IN THE TABLE. THE DIFFERENCE BETWEEN EACH OBTAINED ELEVATION AND ITS CORRESPONDING ELEVATION SHOWN IN THE TABLE IS THE BLOCKING DISTANCE FROM THE TOP OF THE BEAM TO THE BOTTOM OF THE SLAB AT THE CENTERLINE OF THE BEAM.

		TOP OF FORM ELEVATIONS FOR DECK SLAB PRIOR TO PLACEMENT OF CONCRETE										
		INCREASING STATIONS										
SPAN NO.	BEAM NO.	CL BRG.	0.1L	0.2L	0.3L	0.4L	0.5L	0.6L	0.7L	0.8L	0.9L	CL BRG.
1	16	133.40	133.35	133.31	133.27	133.24	133.21	133.19	133.16	133.13	133.11	133.08
2	16	133.08	133.02	132.96	132.91	132.85	132.80	132.76	132.73	132.70	132.69	132.68



DECK REINFORCING PLAN
SCALE: 1/2" = 1'-0"

REINFORCEMENT:

REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 GRADE 60. UNLESS OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS, ALL BARS SHALL BE LAPPED AS FOLLOWS.

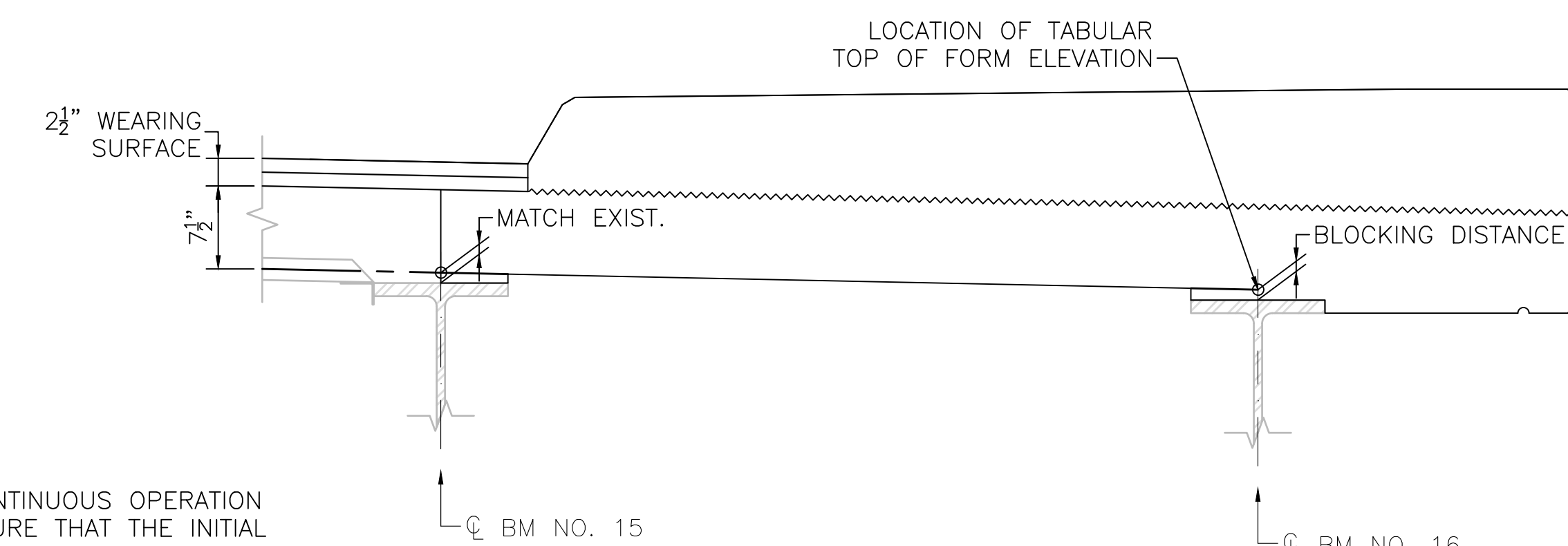
MODIFICATION CONDITION	#4 BARS	#5 BARS	#6 BARS
1. NONE	16"	17"	21"
2. 12" OF CONCRETE BELOW BAR	18"	22"	27"
3. COATED BARS, COVER < 3d _b , OR CLEAR SPACING < 6d _b	21"	26"	31"
4. COATED BARS, ALL OTHER CASES	17"	21"	25"
5. CONDITION 2. AND 3.	23"	29"	35"
6. CONDITION 2. AND 4.	21"	27"	32"

EPOXY COATING:

ALL REINFORCING BARS AND SUPPORT DEVICES SHALL BE EPOXY COATED IN ACCORDANCE WITH AASHTO M 284.

NOTES:

1. THE CONTRACTOR SHALL PLACE THE ENTIRE DECK IN ONE CONTINUOUS OPERATION WITHOUT CONSTRUCTION JOINTS. THE CONTRACTOR SHALL ENSURE THAT THE INITIAL SET ($f_c = 500$ PSI) OF ALL CONCRETE DOES NOT OCCUR UNTIL AFTER THE COMPLETION OF THE PLACEMENT. AN APPROVED RETARDER SHALL BE USED, WHEN NECESSARY, TO RETAIN THE WORKABILITY OF THE CONCRETE.
2. THE SURFACE OF THE ADJACENT, EXISTING CONCRETE SHALL BE BLAST CLEANED, ROUGHENED, WETTED WITH CLEAN WATER, AND THEN FLUSHED WITH A MORTAR COMPOSED OF EQUAL PARTS OF THE CEMENT AND SAND SPECIFIED FOR THE NEW CONCRETE, BEFORE NEW CONCRETE IS PLACED ADJACENT THERETO. NEW CONCRETE SHALL BE PLACED BEFORE MORTAR HAS TAKEN INITIAL SET.
3. IN LIEU OF THE MORTAR, AN EPOXY ADHESIVE SUITABLE FOR BONDING FRESH CONCRETE TO HARDENED CONCRETE FOR LOAD BEARING APPLICATIONS MAY BE USED. THE EPOXY ADHESIVE SHALL CONFORM TO AASHTO M 235 TYPE V AND SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.



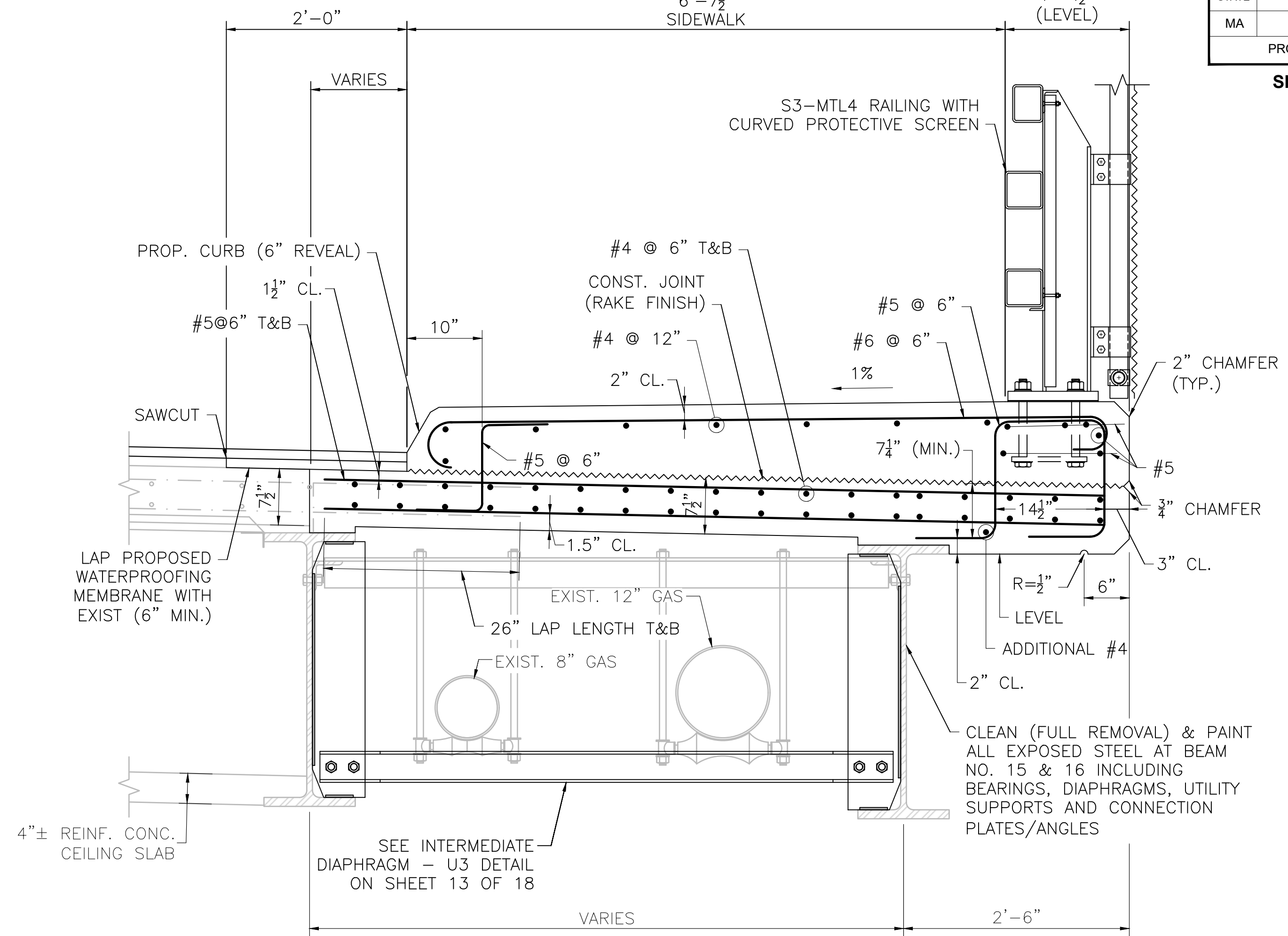
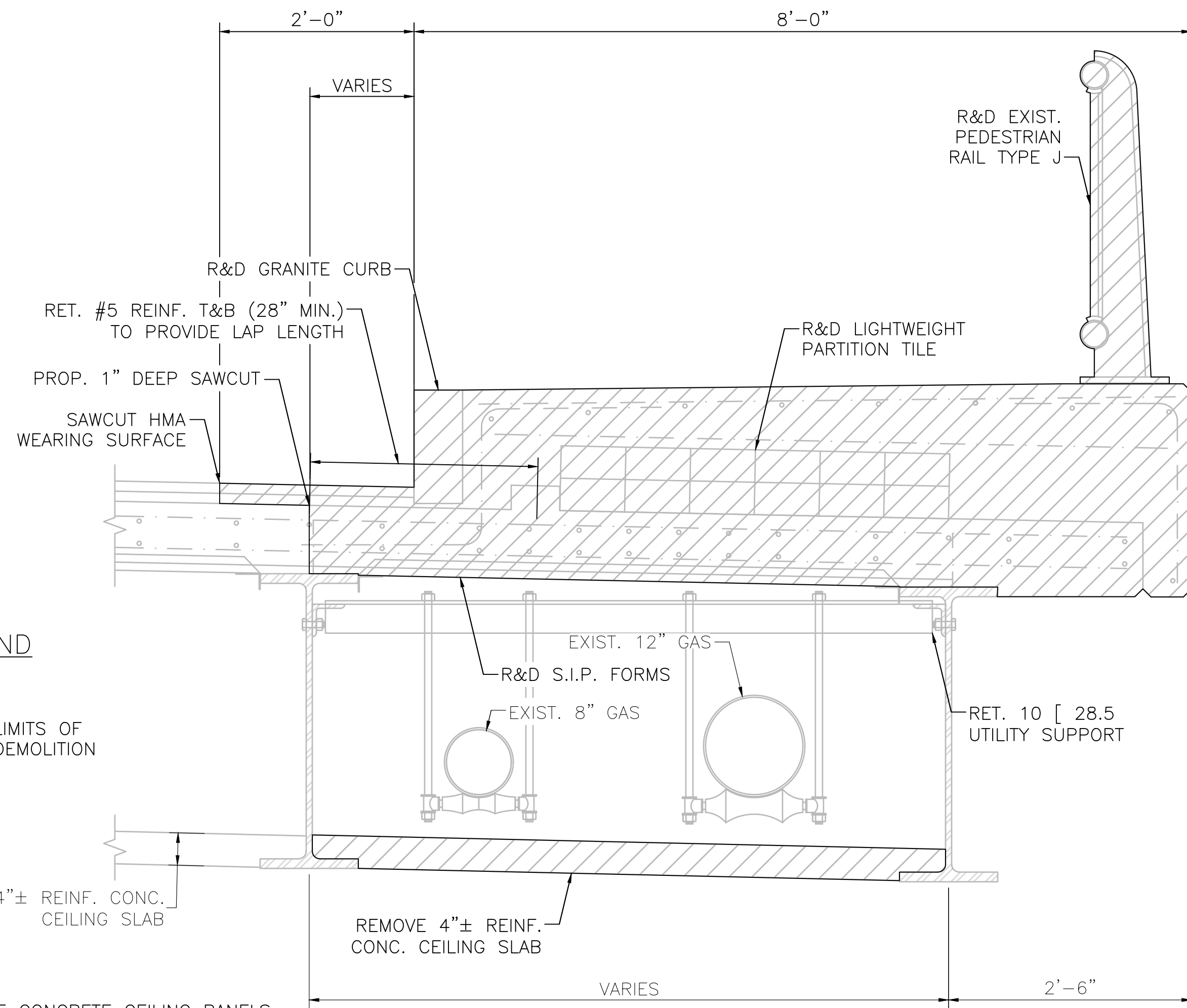
HAUNCH DETAIL
SCALE: 1" = 1'-0"

JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	26	36
PROJECT FILE NO.		614090	

SIDEWALK DETAILS



LEGEND

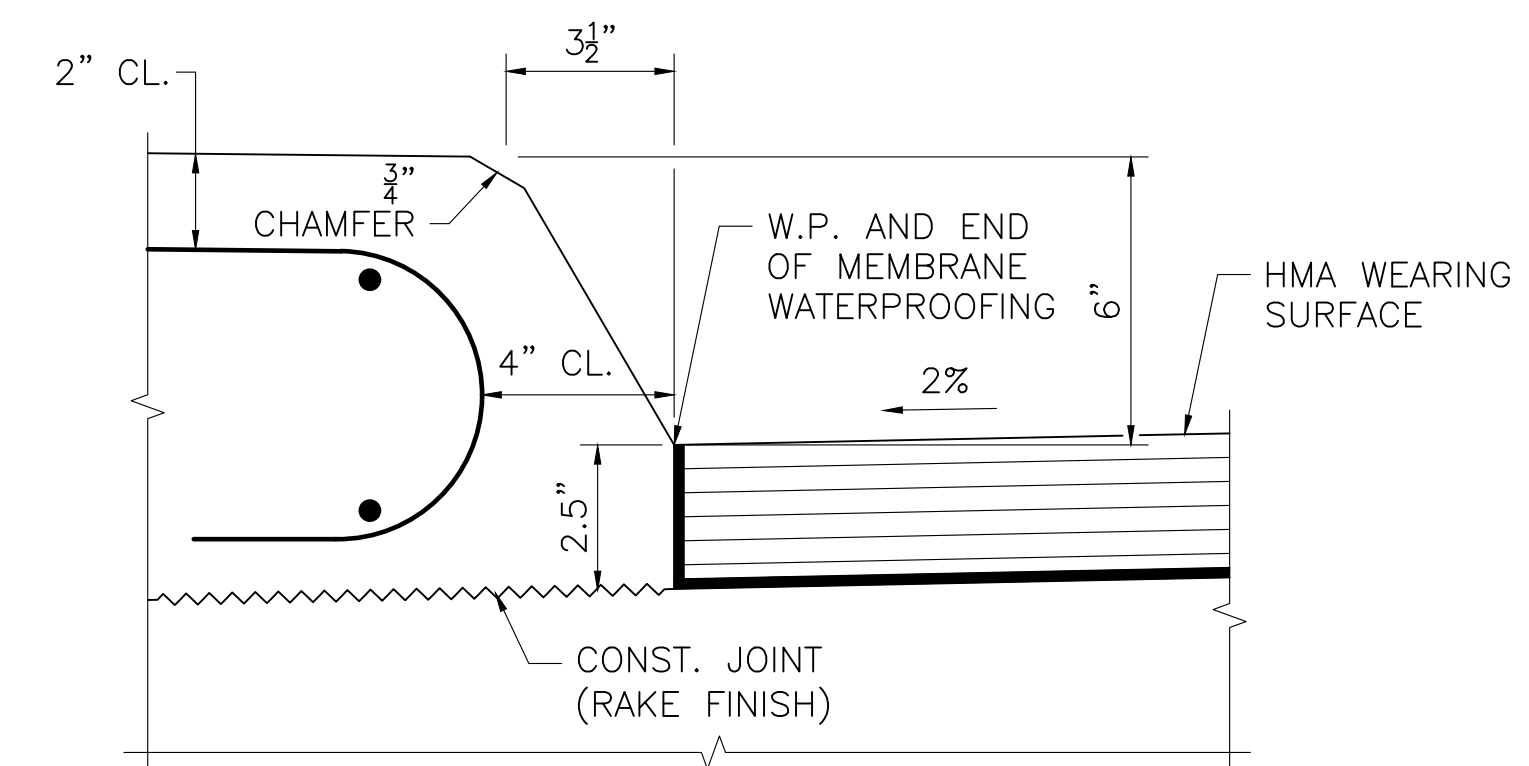
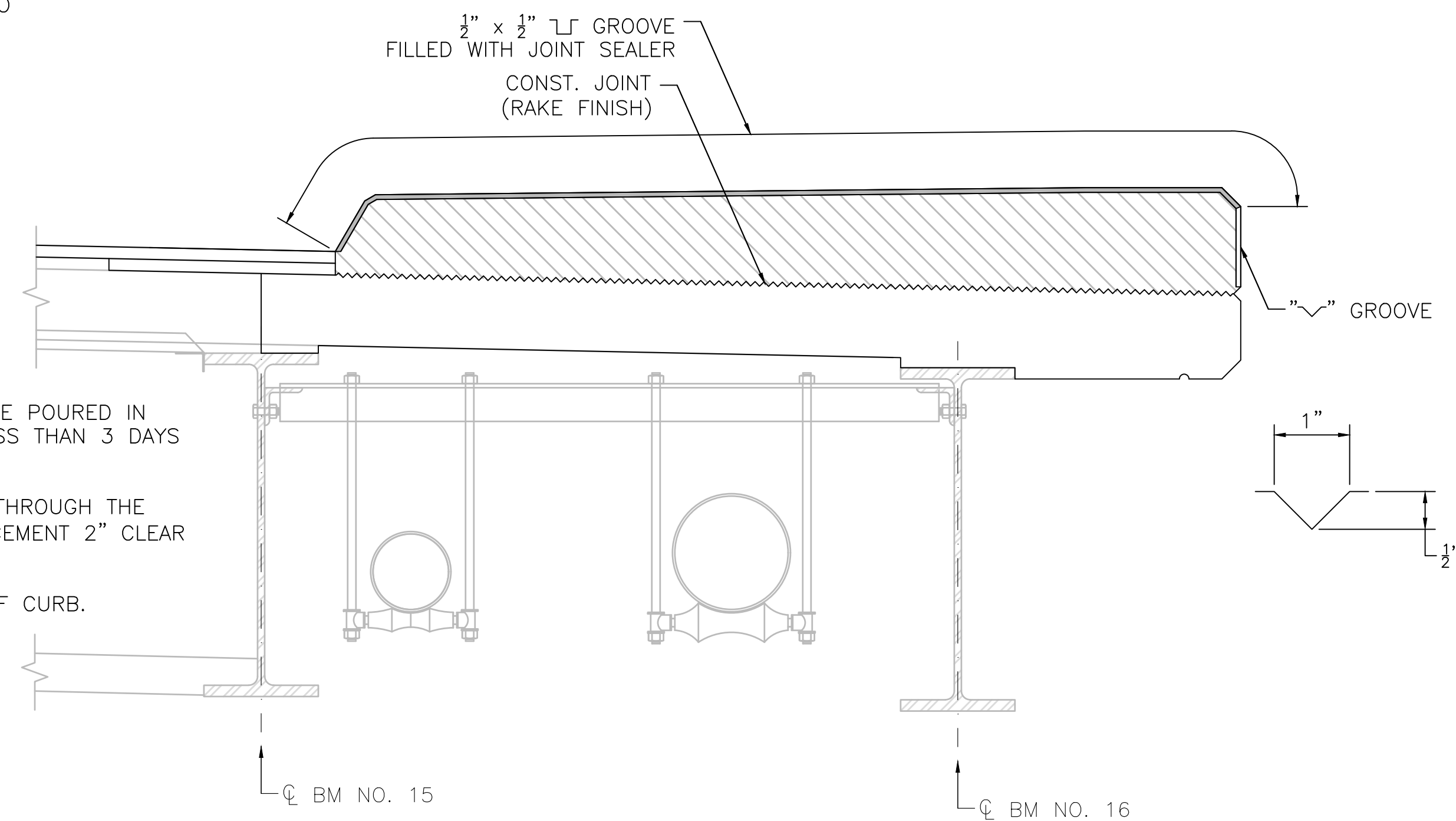


NOTE:

REMOVE THE CONCRETE CEILING PANELS IN THE POSITIVE MOMENT REGIONS FIRST (0' - 43.5' IN SPAN NO. 1 AND 17.5' - 79.05' IN SPAN NO. 2). REMOVAL SHALL PROGRESS FROM THE ABUTMENTS, TOWARDS THE PIER. INSTALL THE 2ND AND 5TH INTERIOR DIAPHRAGMS PRIOR TO DEMOLISHING CEILING PANELS IN THE NEGATIVE MOMENT REGION.

NOTES:

1. ALL CONCRETE ABOVE SLAB SHALL BE POURED IN ALTERNATING SECTIONS WITH NOT LESS THAN 3 DAYS BETWEEN POURS.
2. DO NOT CARRY LONGITUDINAL BARS THROUGH THE PARAFFIN JOINTS. END THE REINFORCEMENT 2" CLEAR OF JOINT.
3. JOINT SHALL BE SQUARE TO FACE OF CURB.

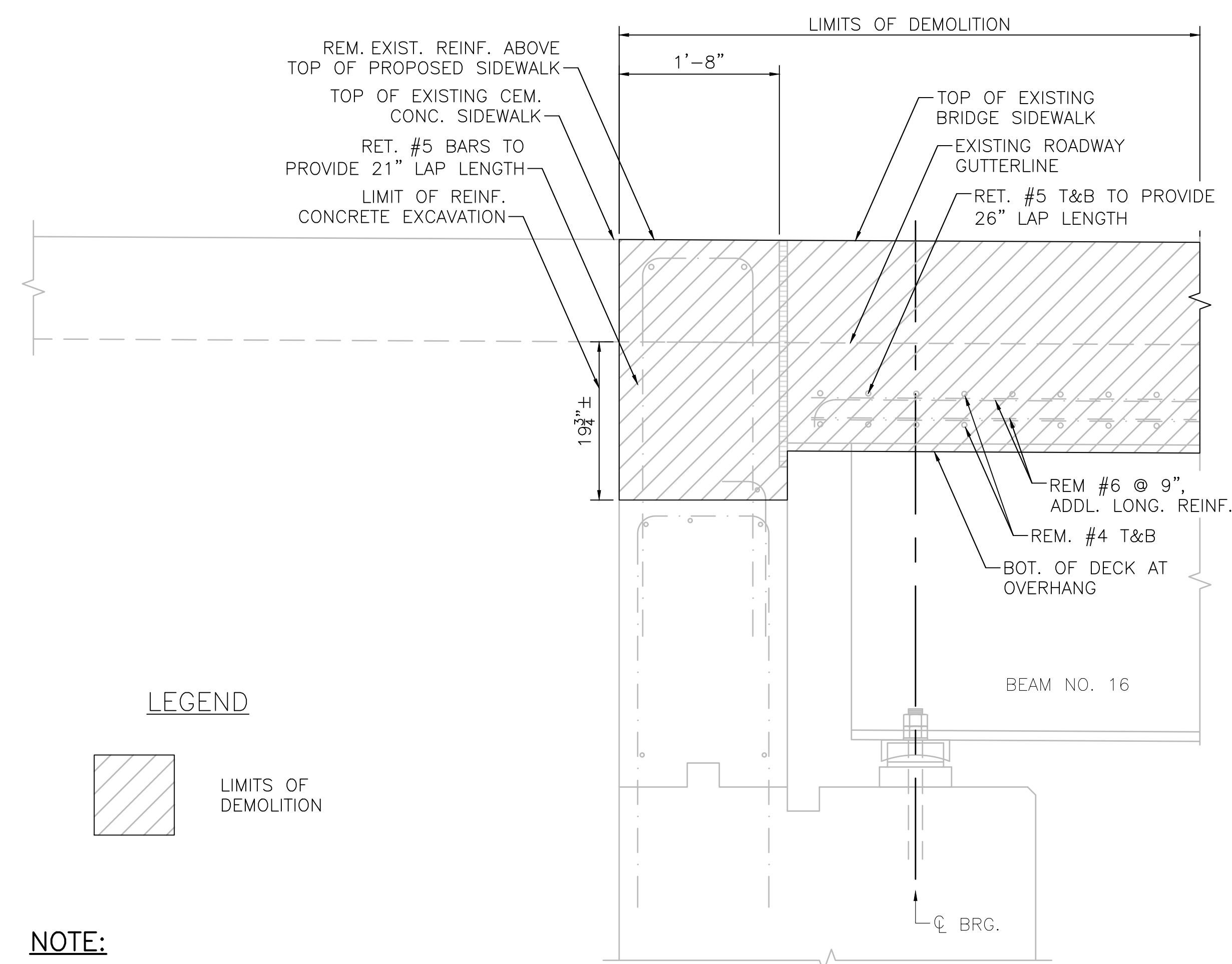


JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	27	36
PROJECT FILE NO.		614090	

ABUTMENT JOINT DETAILS



LEGEND



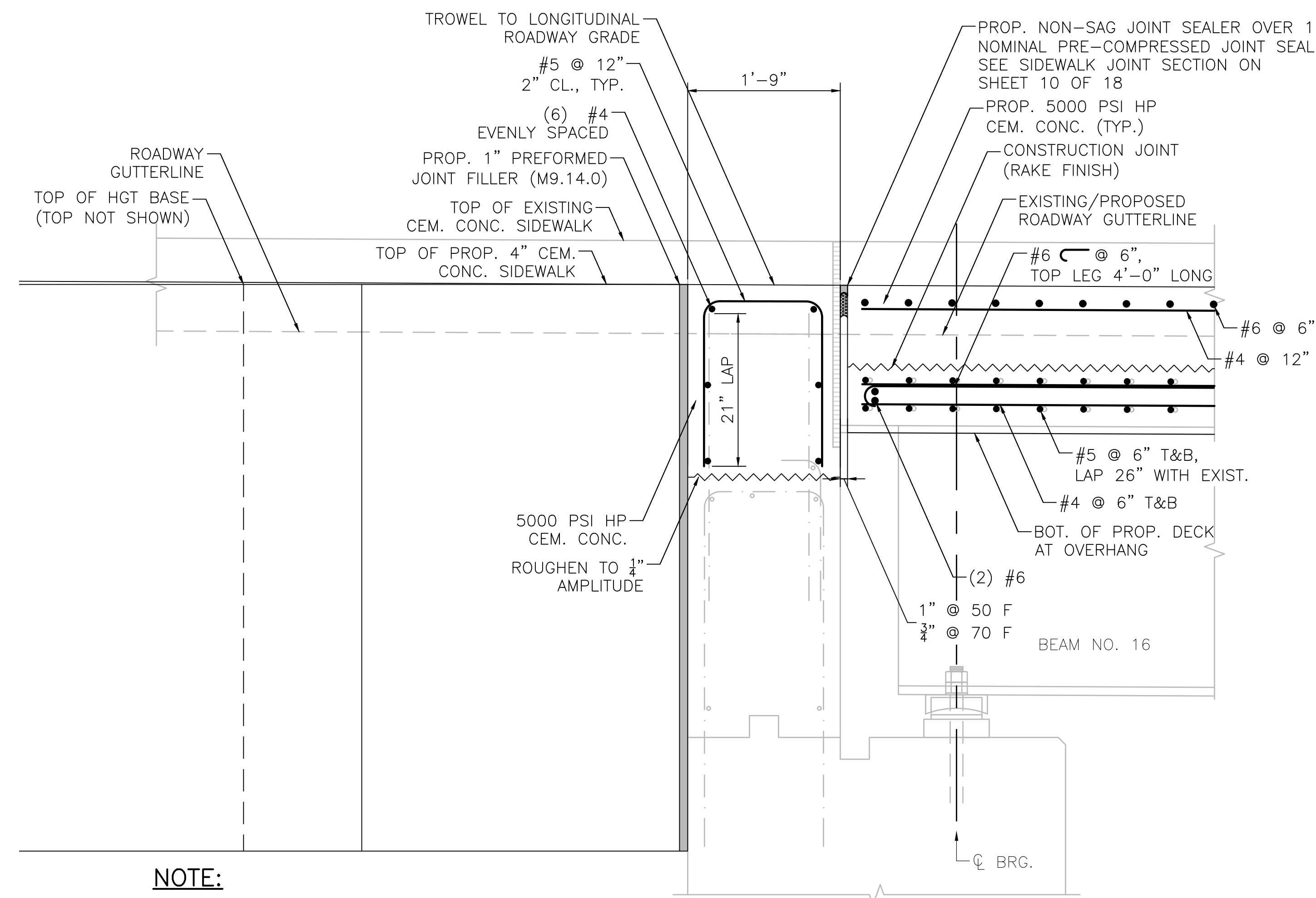
NOTE:

SOUTH ABUTMENT SHOWN. NORTH ABUTMENT SIMILAR.

EXIST. ABUT. JOINT
SECTION AT SIDEWALK

SCALE: 1" = 1'-0"

3
6



NOTE:

SOUTH ABUTMENT SHOWN. NORTH ABUTMENT SIMILAR.

PROP. ABUT. JOINT
SECTION AT SIDEWALK

SCALE: 1" = 1'-0"

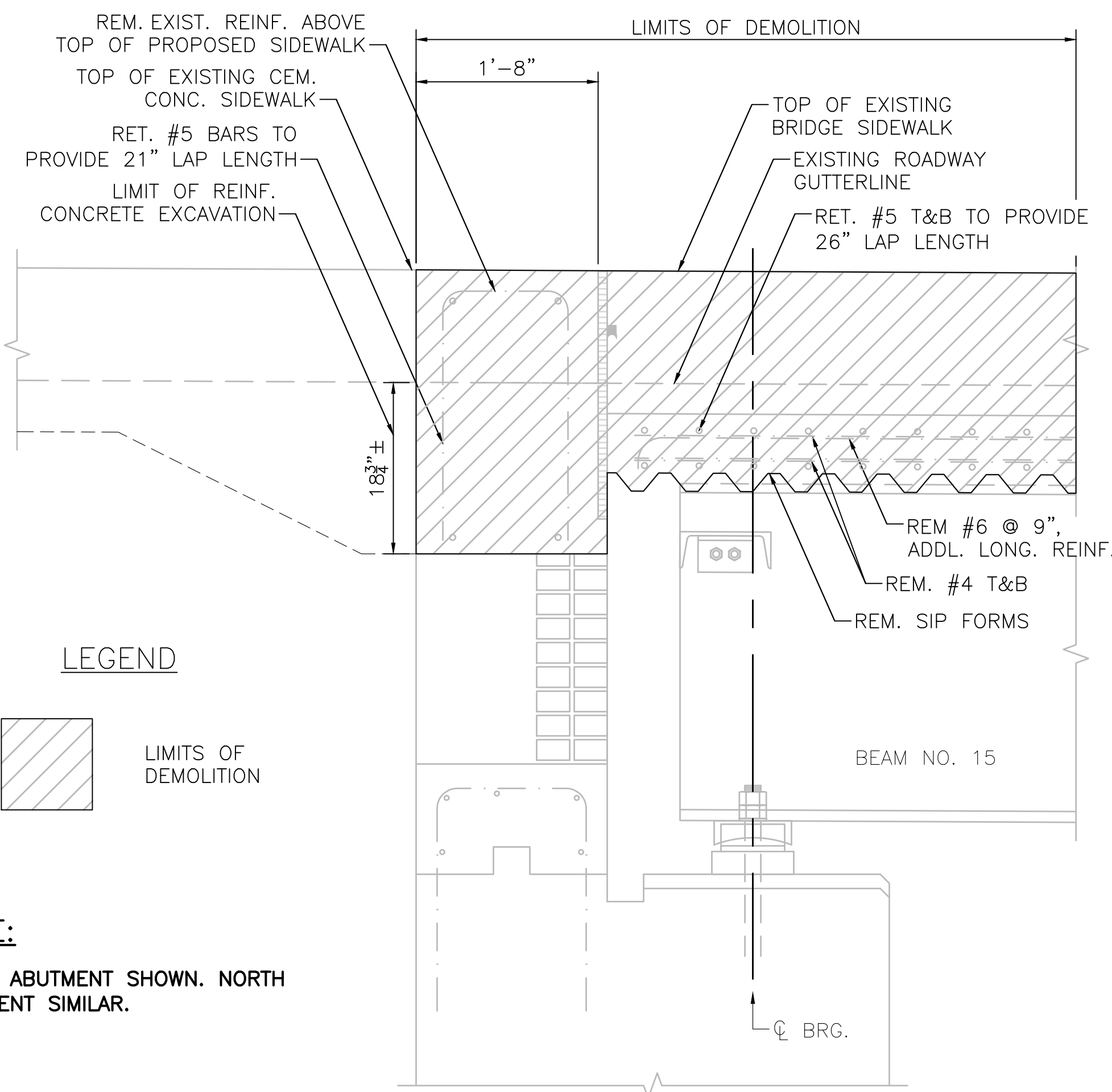
3
6

DATE	DESCRIPTION
JUNE 9, 2026	ISSUED FOR CONSTRUCTION
USE ONLY PRINTS OF LATEST DATE	

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	28	36
PROJECT FILE NO.		614090	

ABUTMENT JOINT DETAILS

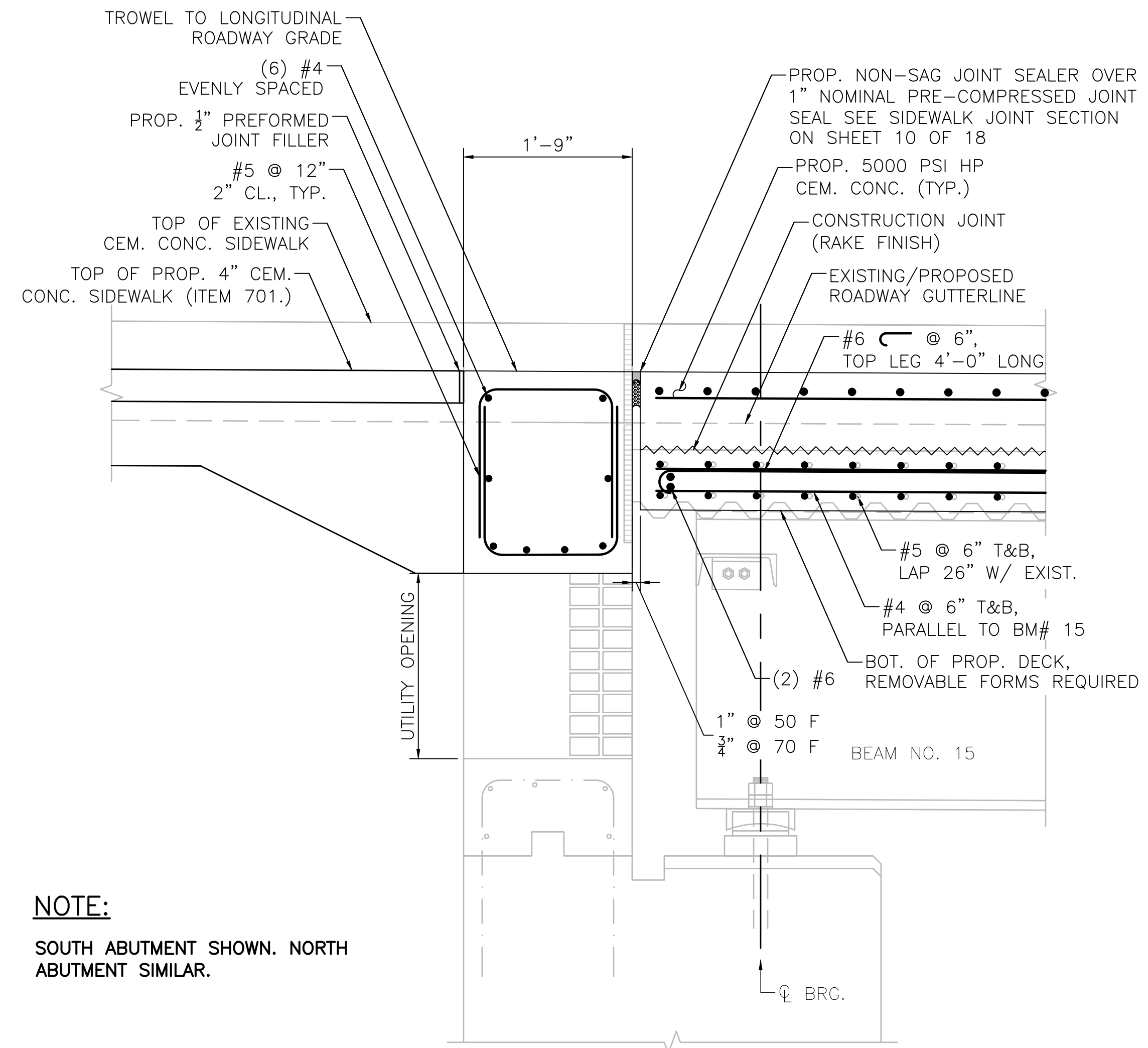


NOTE:
SOUTH ABUTMENT SHOWN. NORTH ABUTMENT SIMILAR.

EXIST. ABUT. JOINT SECTION AT SIDEWALK

SCALE: 1" = 1'-0"

4
6

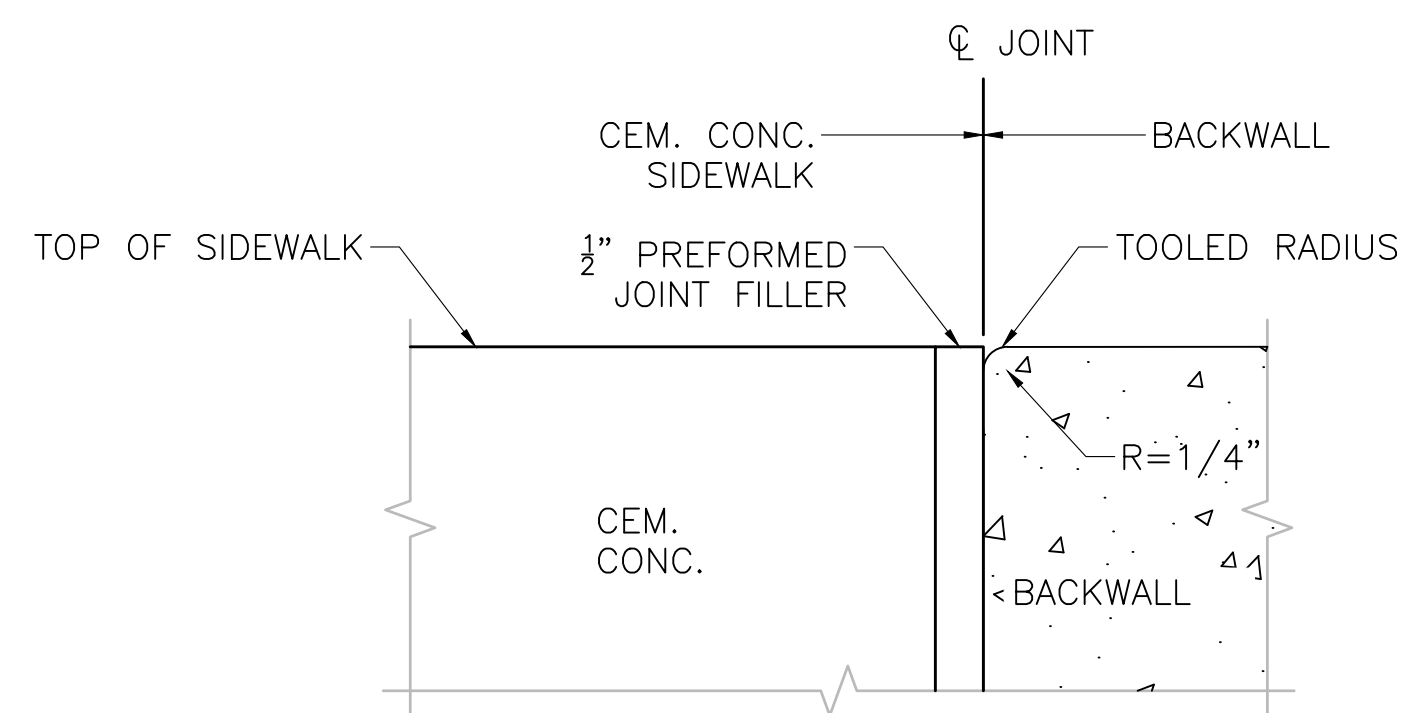


NOTE:
SOUTH ABUTMENT SHOWN. NORTH ABUTMENT SIMILAR.

PROP. ABUT. JOINT SECTION AT SIDEWALK

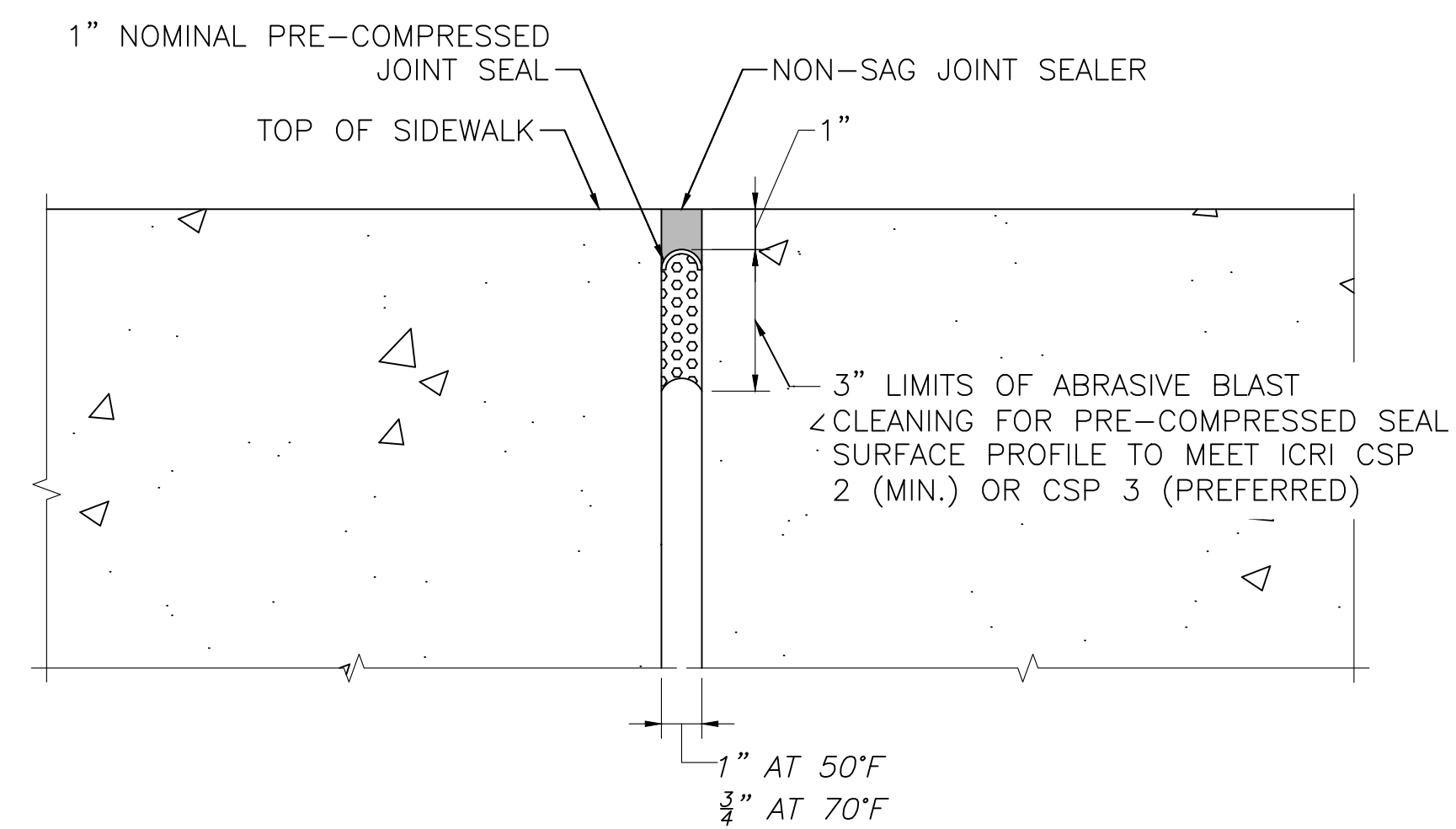
SCALE: 1" = 1'-0"

4
6



SIDEWALK JOINT AT BACKWALL

NOT TO SCALE



SIDEWALK JOINT SECTION

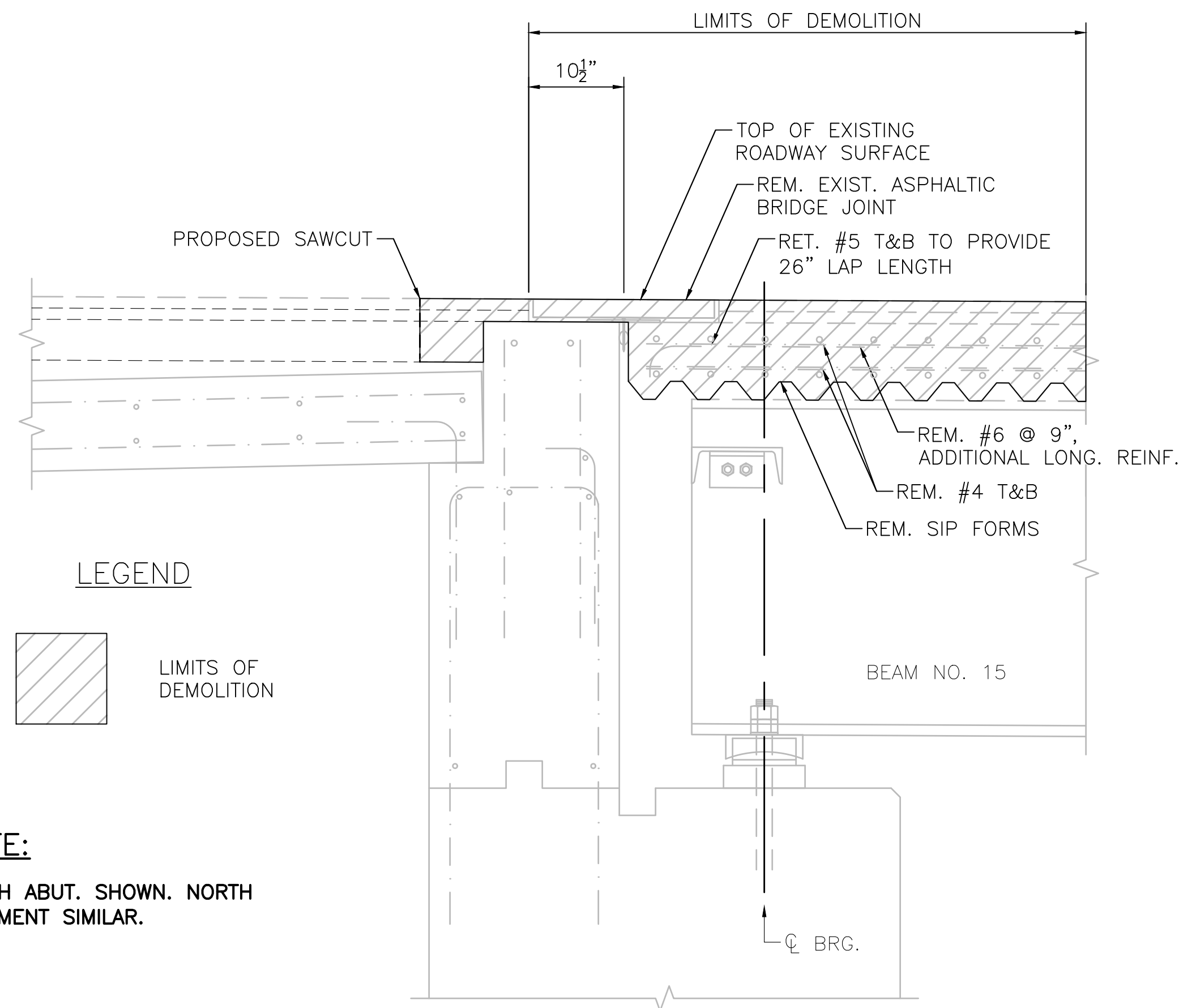
SCALE: 3" = 1'-0"

JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	29	36
PROJECT FILE NO.		614090	

ABUTMENT JOINT DETAILS



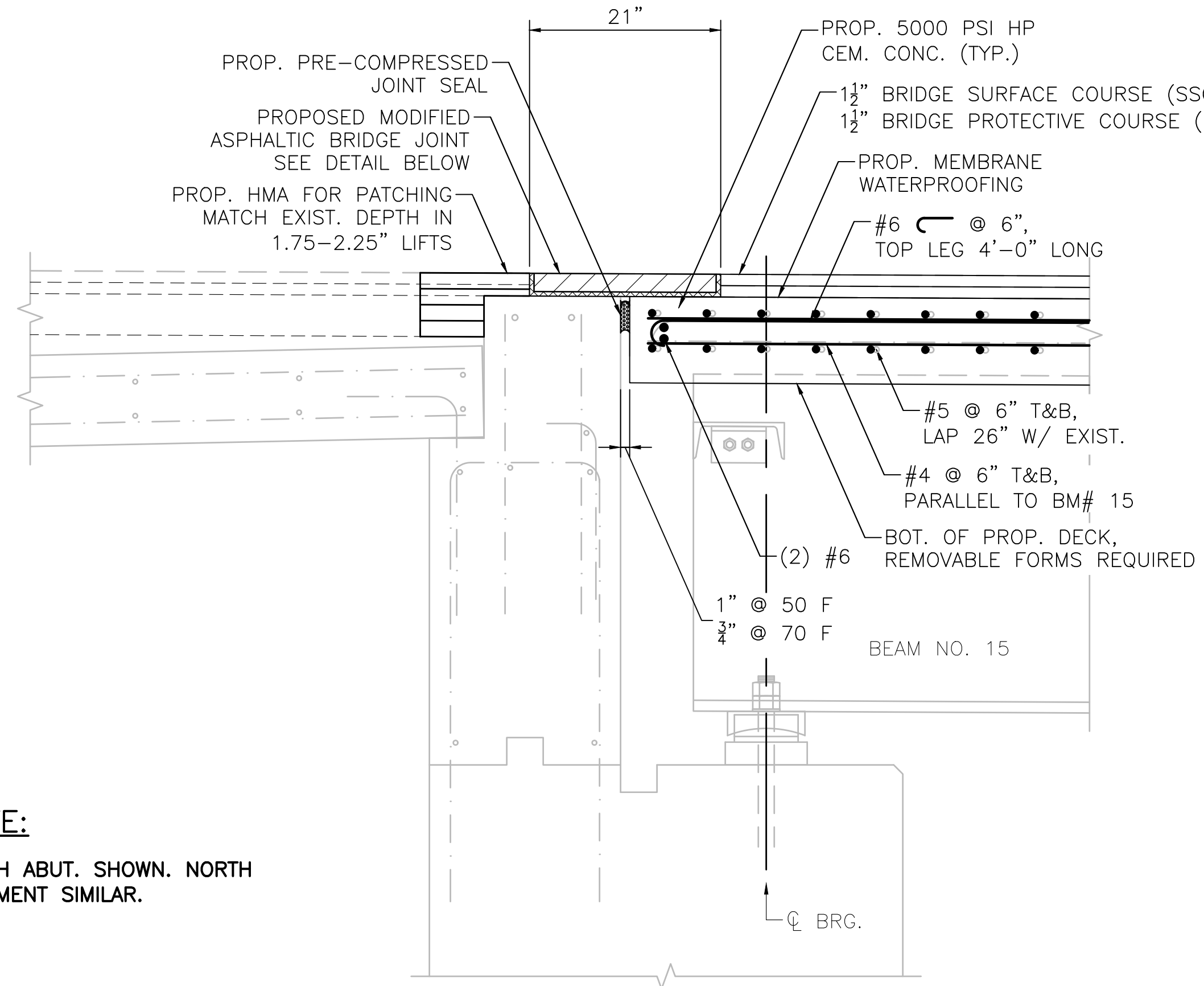
NOTE:

SOUTH ABUT. SHOWN. NORTH ABUTMENT SIMILAR.

EXIST. ABUT. JOINT SECTION AT ROADWAY

SCALE: 1" = 1'-0"

5
6



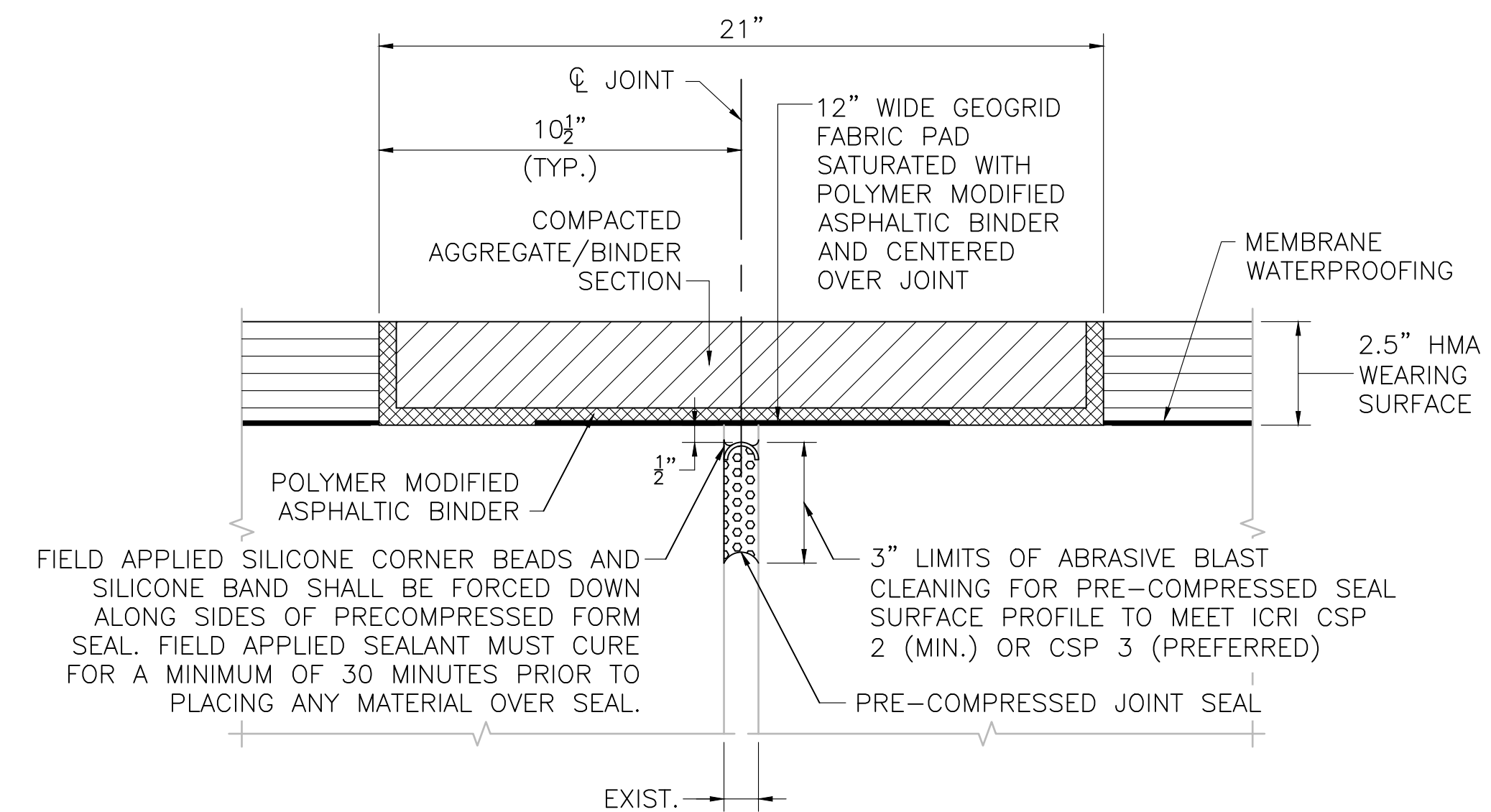
NOTE:

SOUTH ABUT. SHOWN. NORTH ABUTMENT SIMILAR.

PROP. ABUT. JOINT SECTION AT ROADWAY

SCALE: 1" = 1'-0"

5
6



MODIFIED ASPHALTIC BRIDGE JOINT DETAIL

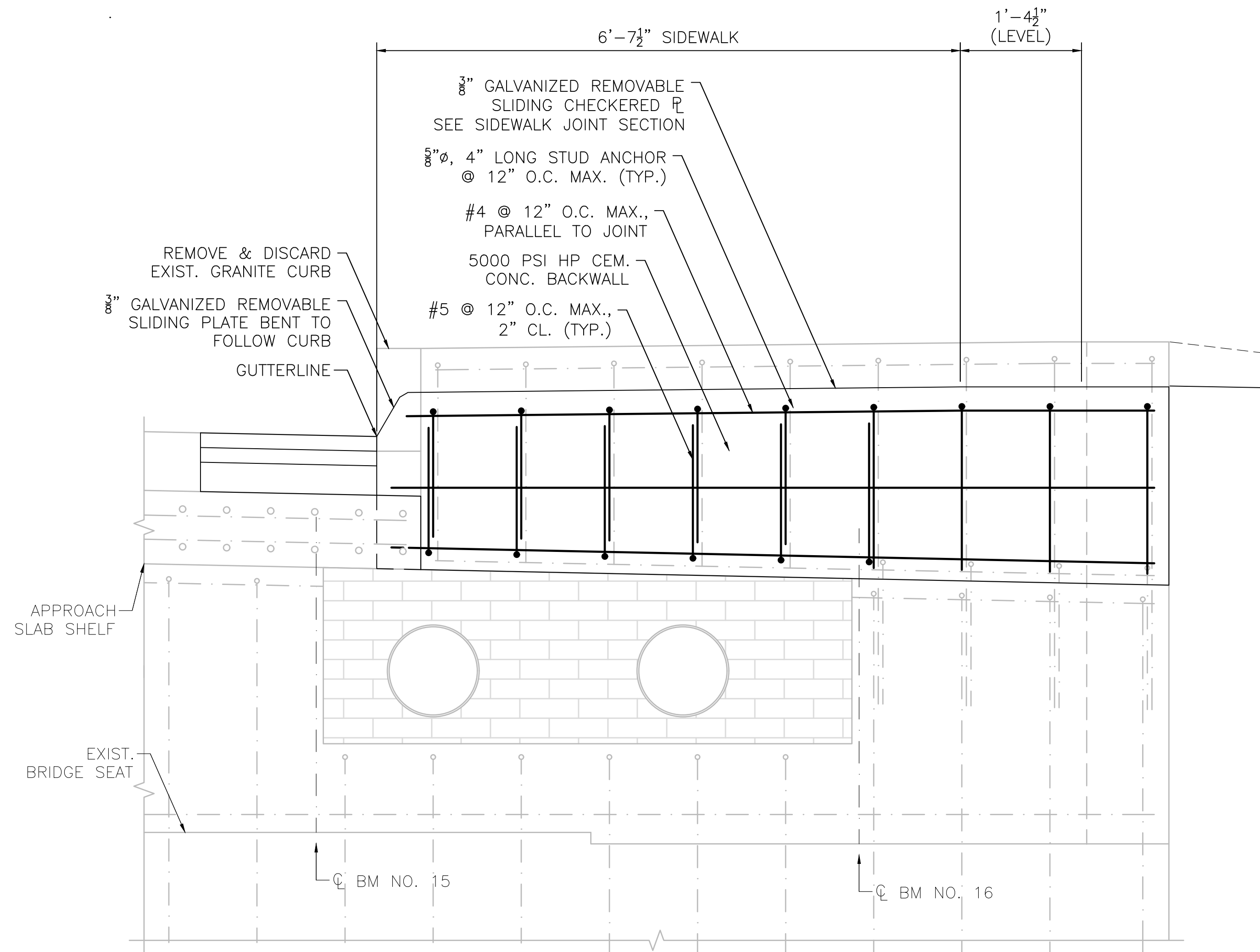
NOT TO SCALE

JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

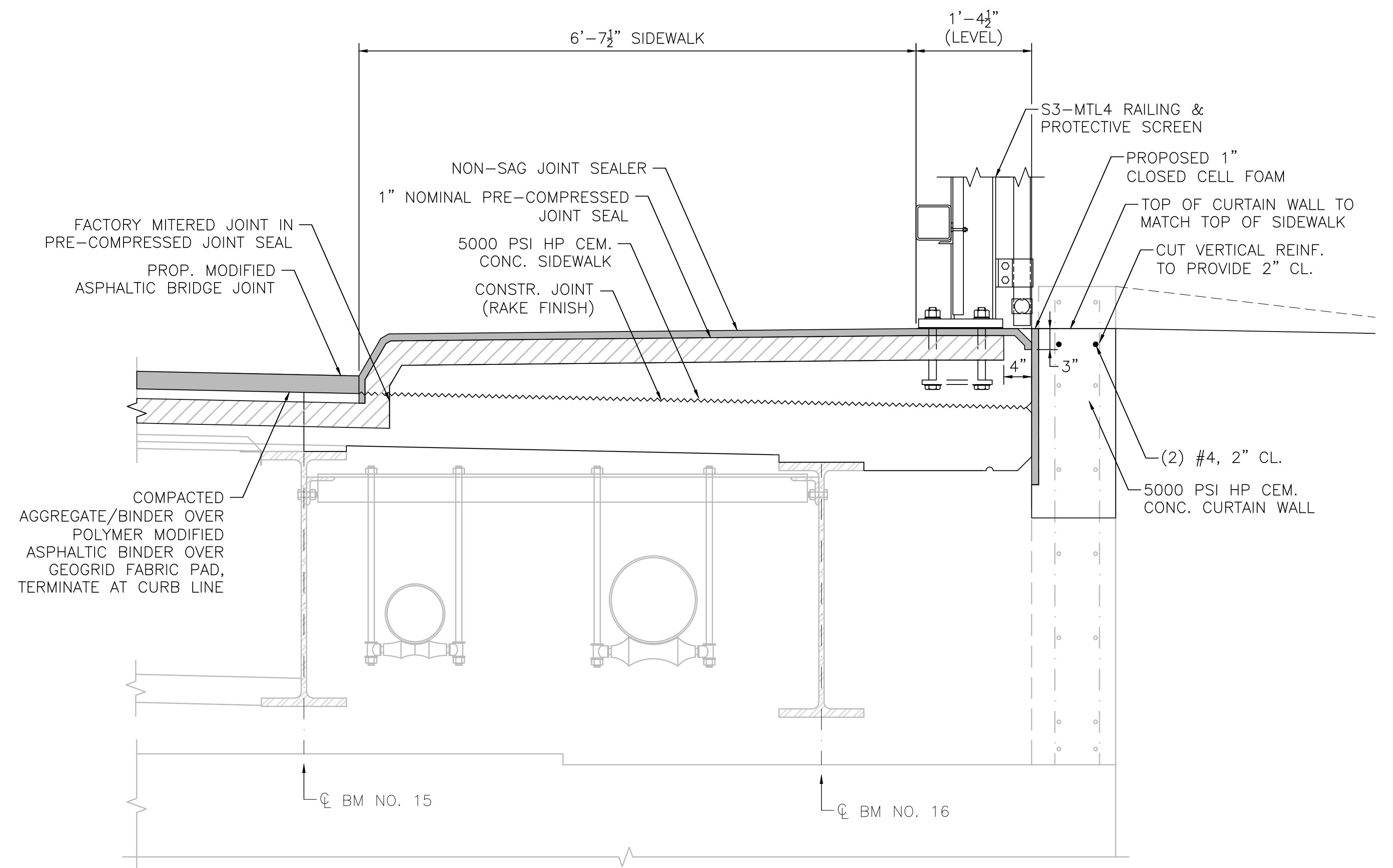
FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	30	36
PROJECT FILE NO.		614090	

ABUTMENT JOINT DETAILS



SECTION 6
SCALE: 1" = 1'-0"



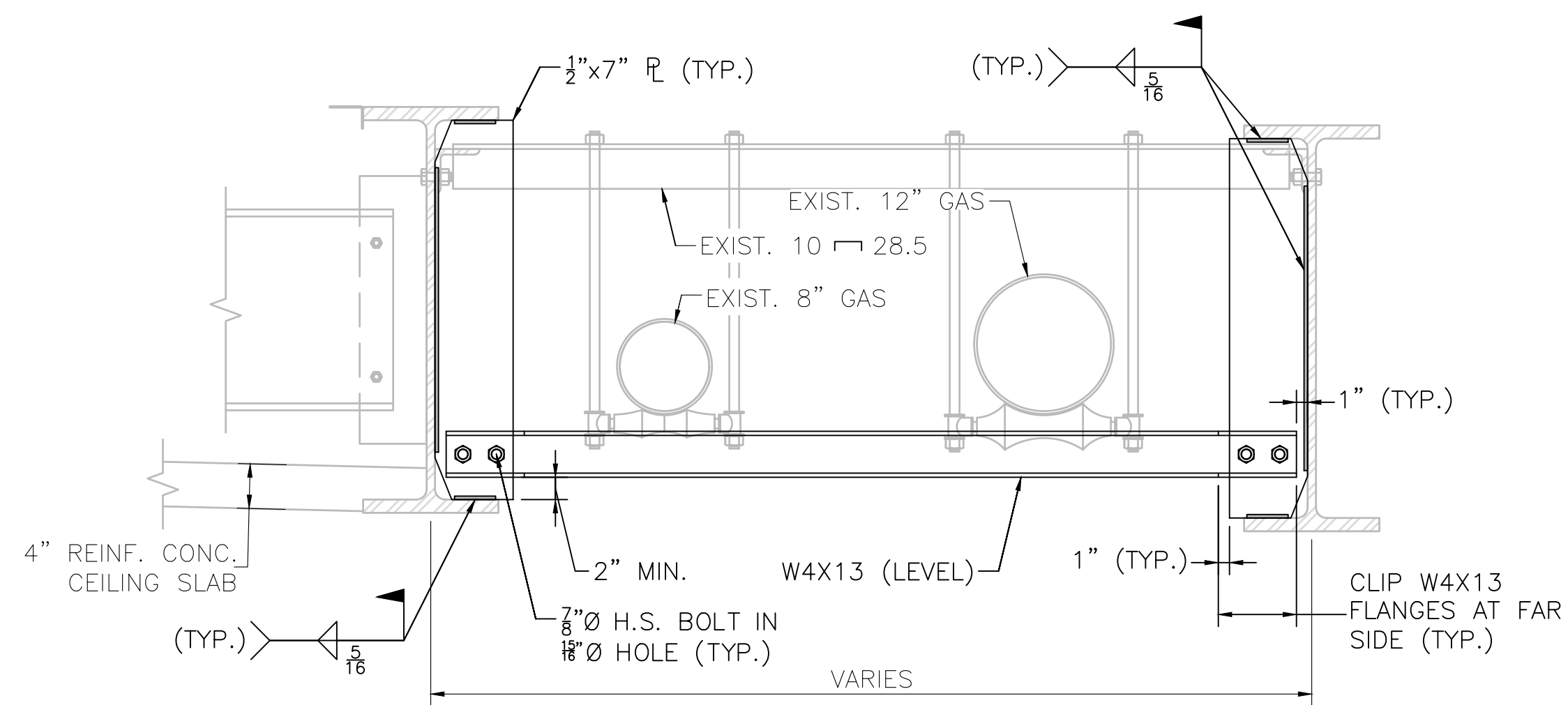
SECTION 7
SCALE: 1" = 1'-0"

JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	31	36
PROJECT FILE NO.		614090	

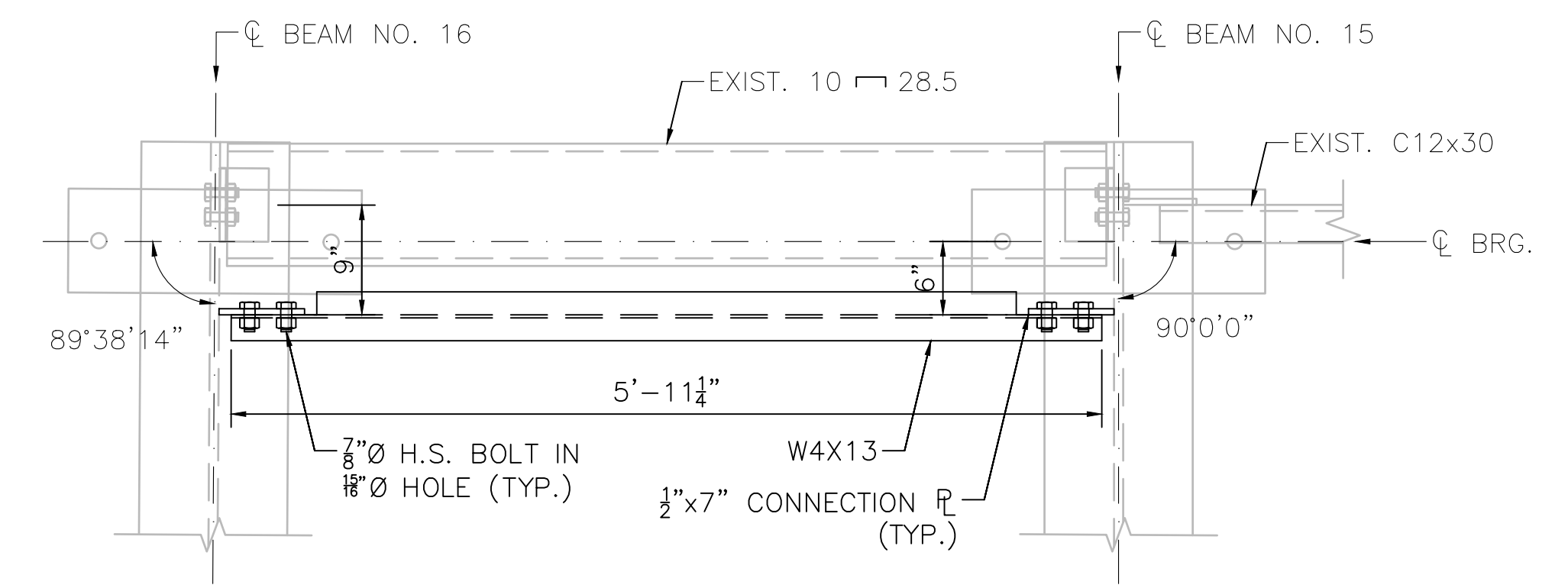
DIAPHRAGM DETAILS



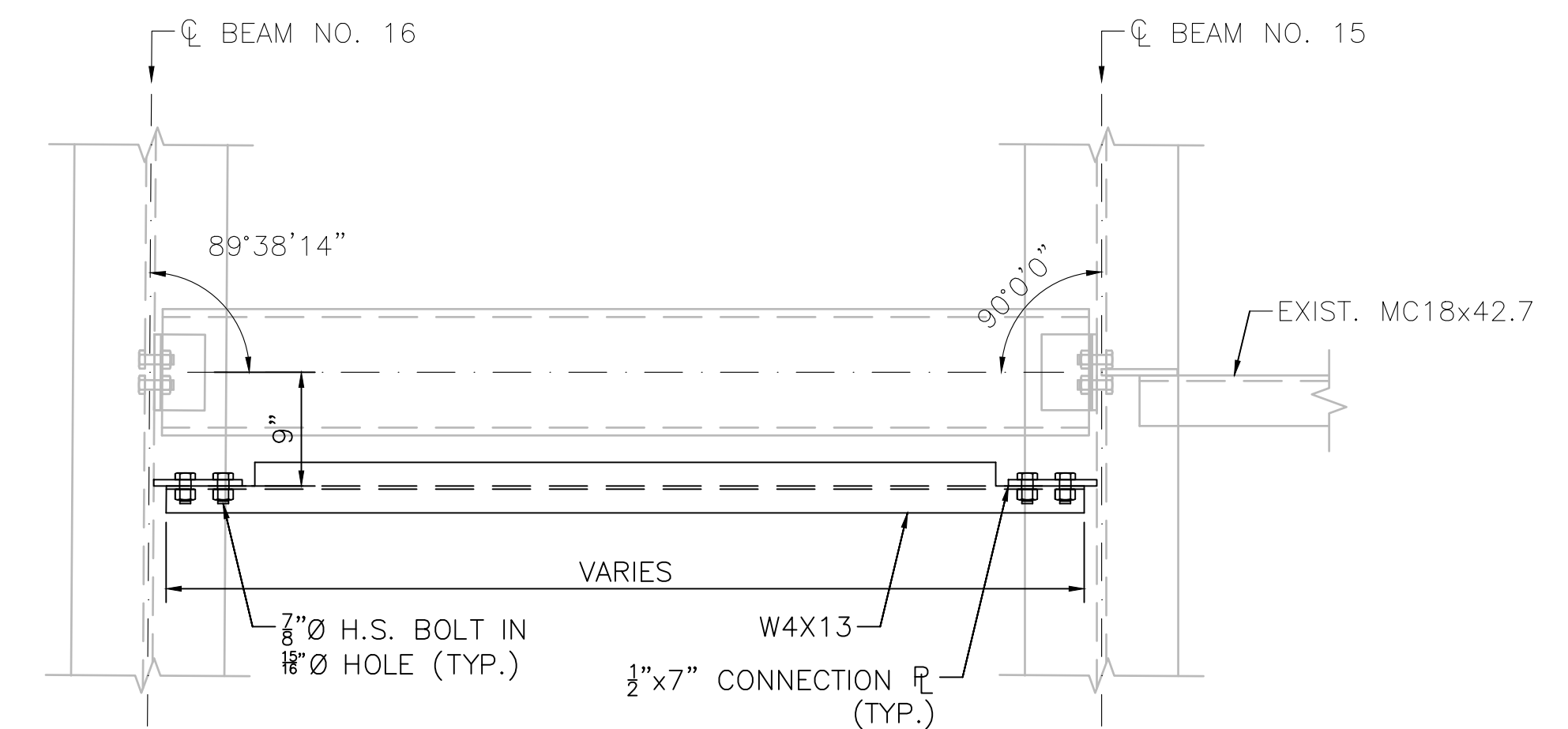
DIAPHRAGM - U1 & U3
SCALE: 1" = 1'-0"

NOTE:

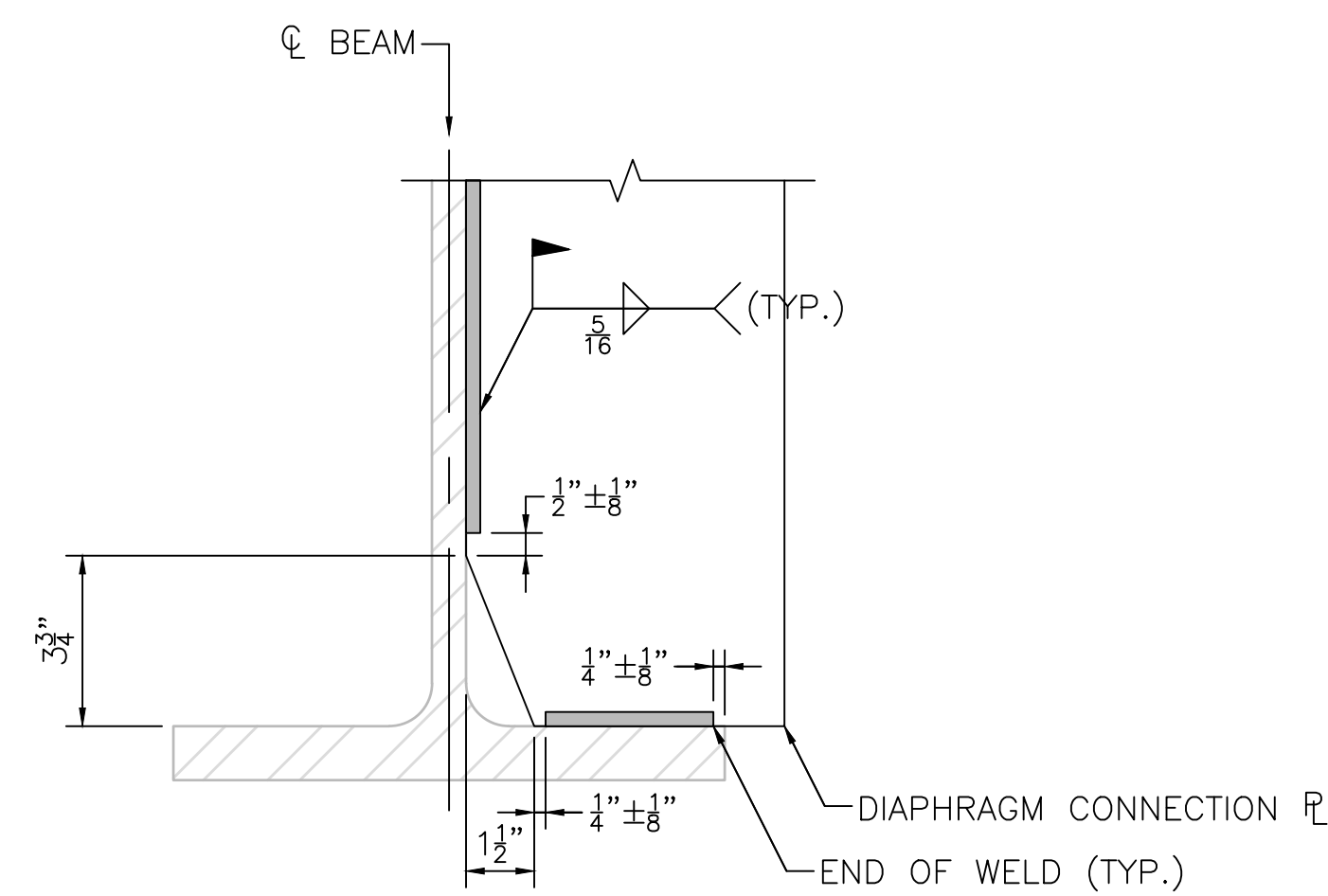
1. OFFSET PROPOSED DIAPHRAGM CONNECTION PLATES 9" UPSTATION FROM INTERMEDIATE DIAPHRAGMS IN BAY 14 TO AVOID INTERFERENCE WITH UTILITY SUPPORTS IN BAY 15.
2. PROPOSED INTERMEDIATE DIAPHRAGMS AND CONNECTION PLATES SHALL BE INSTALLED PERPENDICULAR TO BEAM NO. 15.
3. PROPOSED END DIAPHRAGMS AND CONNECTION PLATES SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF BEARING.
4. ALL DIAPHRAGM LENGTHS ARE TO BE FIELD VERIFIED PRIOR TO FABRICATION. HOLES IN AT LEAST ONE END OF EACH DIAPHRAGM SHALL BE FIELD DRILLED.



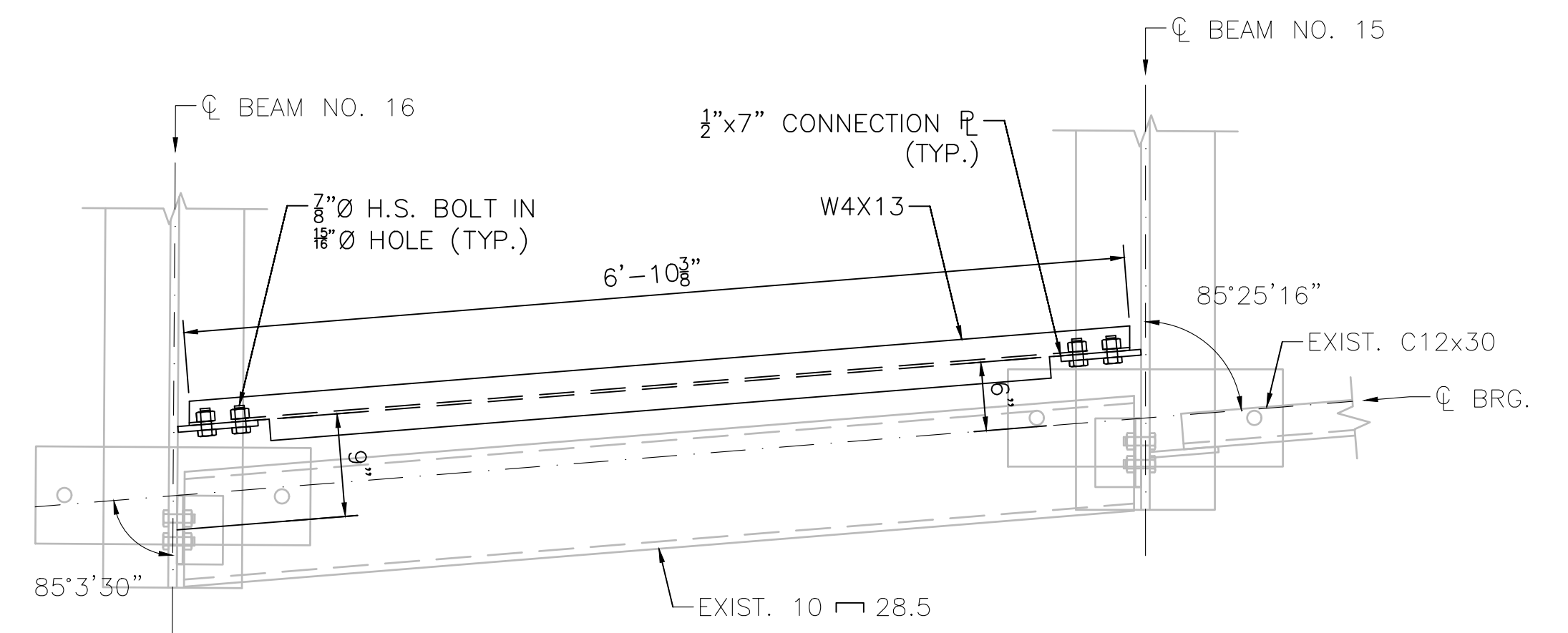
PLAN - END DIAPHRAGM U3
S. ABUTMENT
SCALE: 1" = 1'-0"



PLAN
INTERMEDIATE DIAPHRAGM U3
SCALE: 1" = 1'-0"



CONNECTION PLATE CLIP DETAIL
SCALE: 1" = 3'-0"



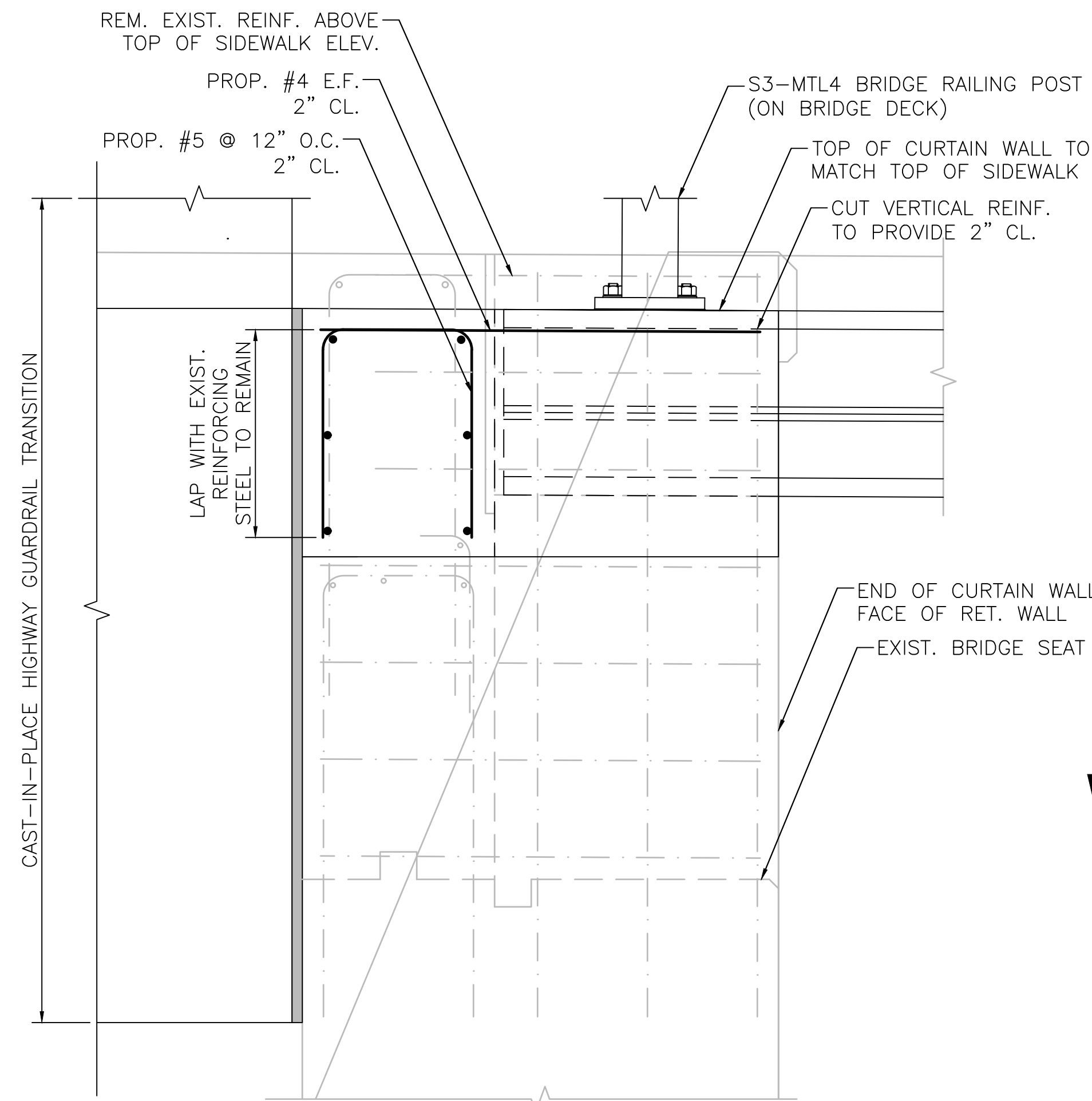
PLAN - END DIAPHRAGM U1
N. ABUTMENT
SCALE: 1" = 1'-0"

JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

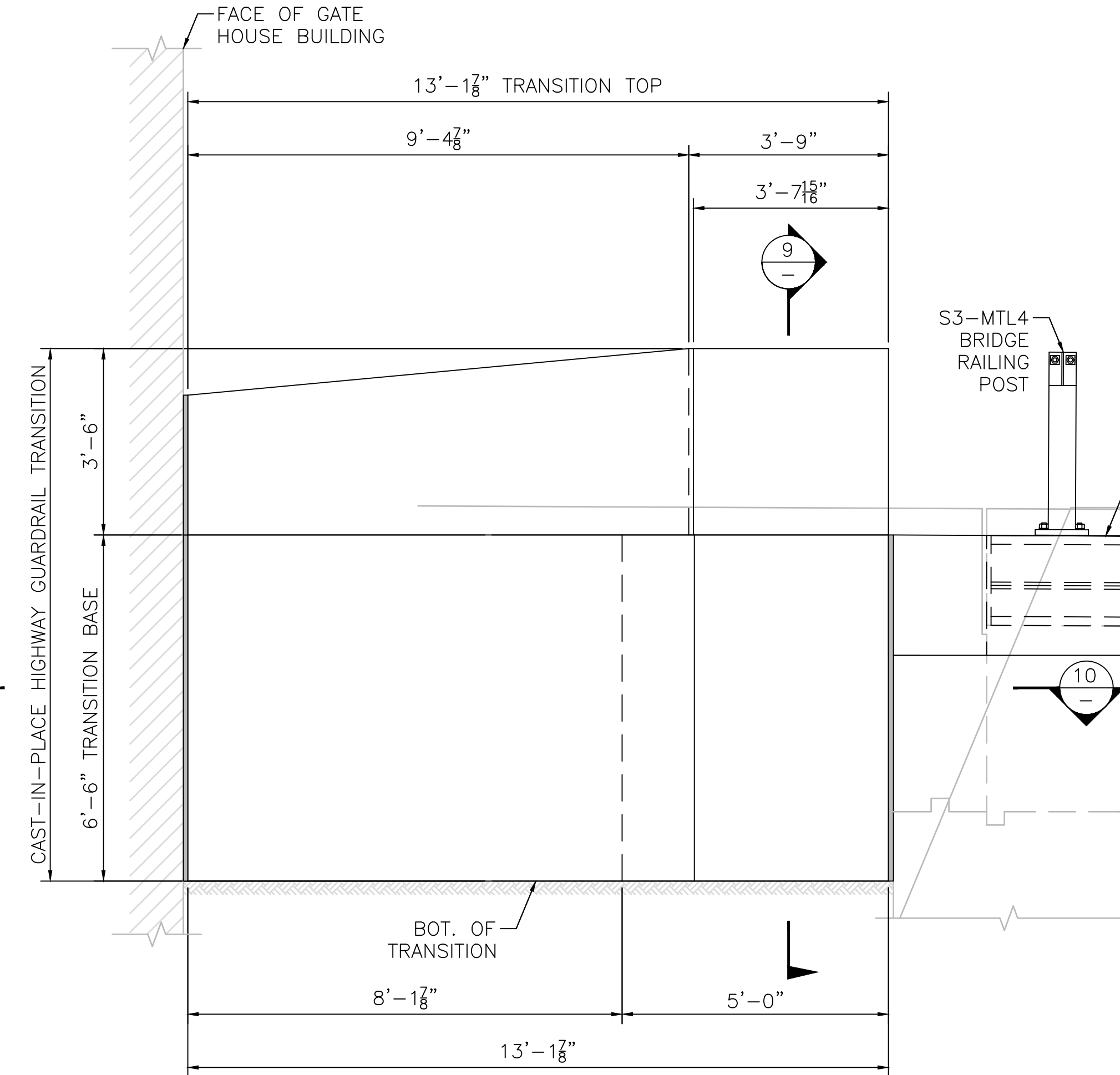
FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	32	36
PROJECT FILE NO.		614090	

HGT BASE DETAILS

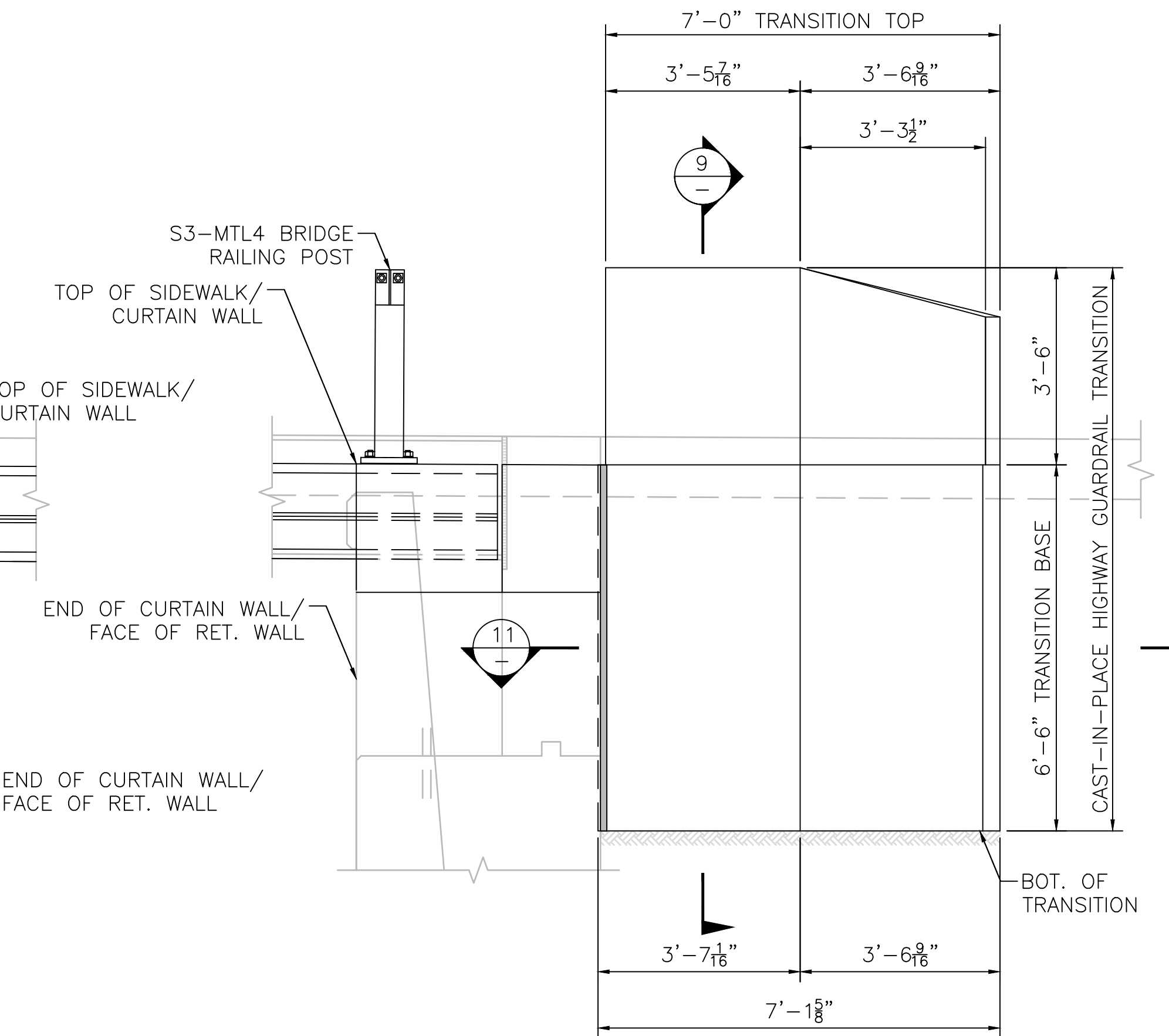


SECTION 8
SCALE: 1" = 1'-0"



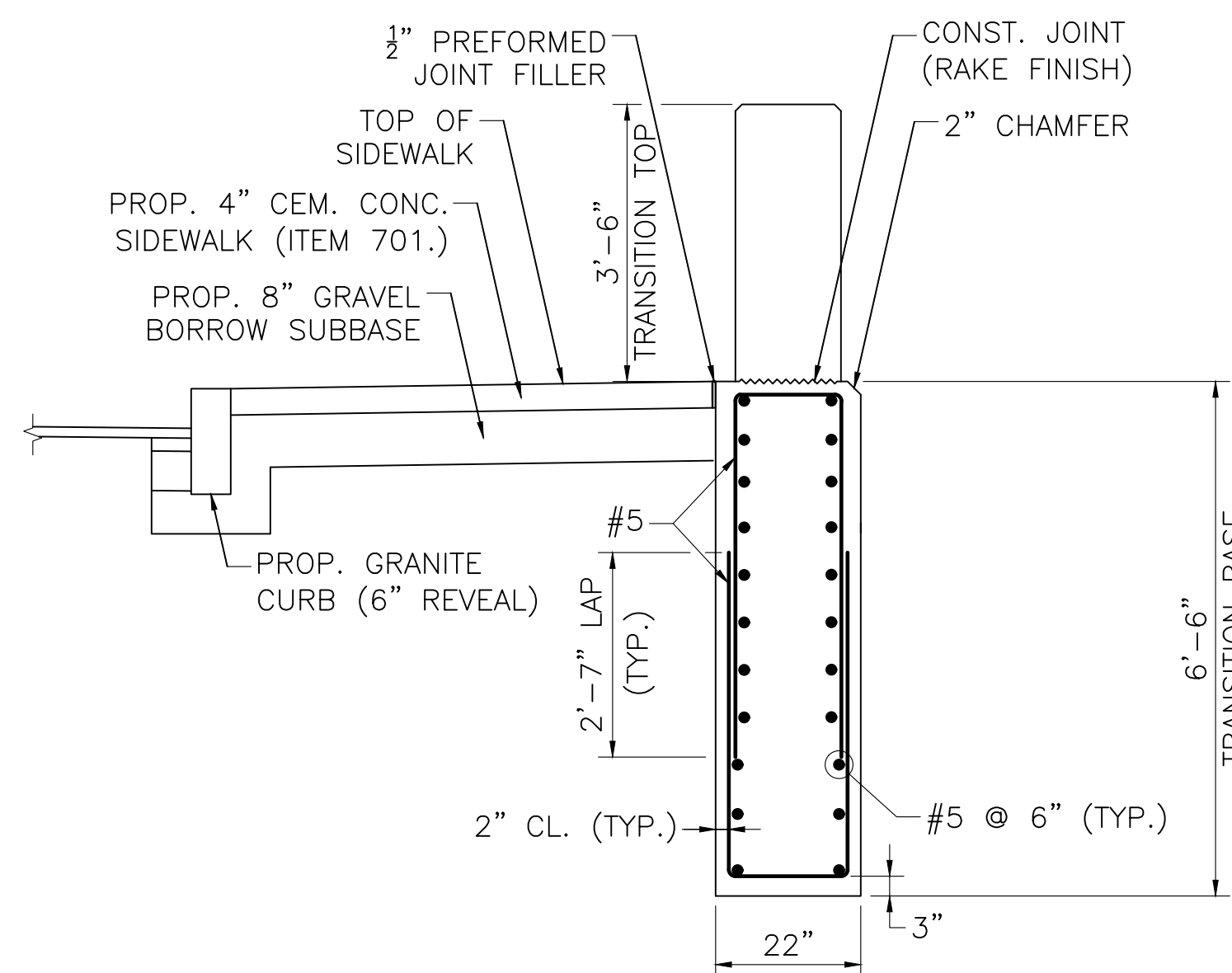
CAST-IN-PLACE GUARDRAIL TRANSITION
ELEVATION AT SPLAYED WINGWALL

SCALE: 1/2" = 1'-0"



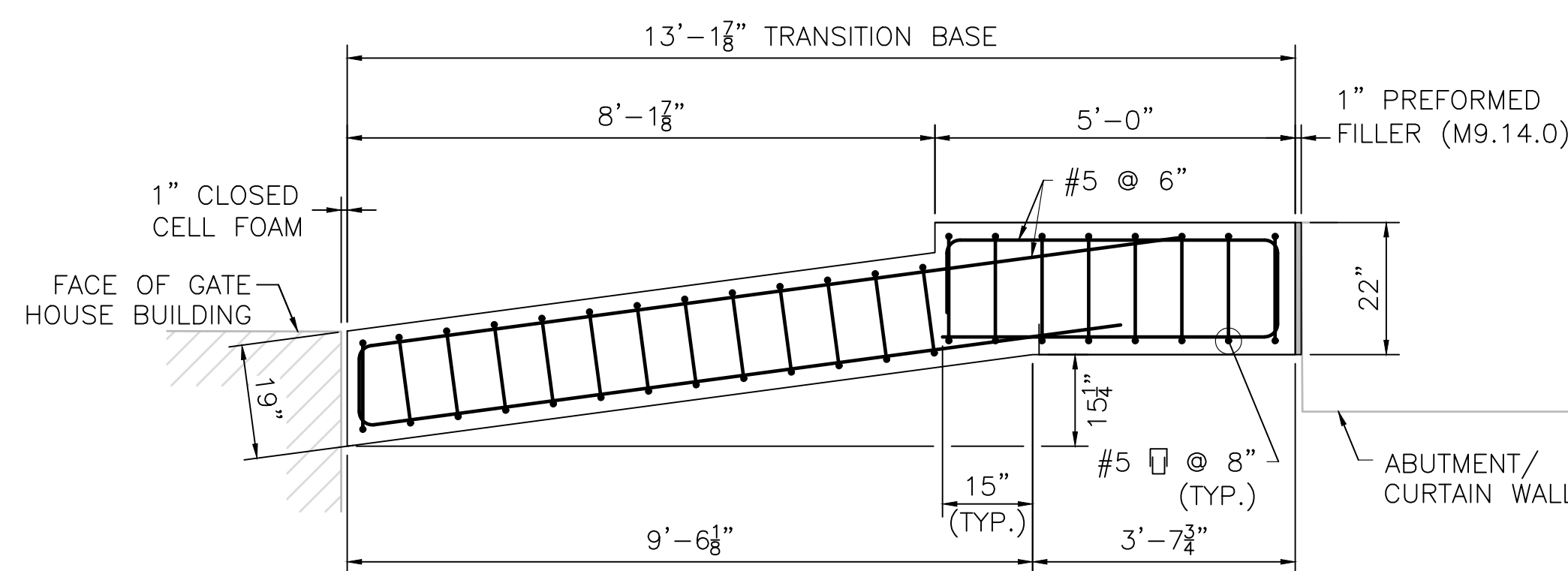
CAST-IN-PLACE GUARDRAIL TRANSITION
ELEVATION AT SPLAYED WINGWALL

SCALE: 1/2" = 1'-0"



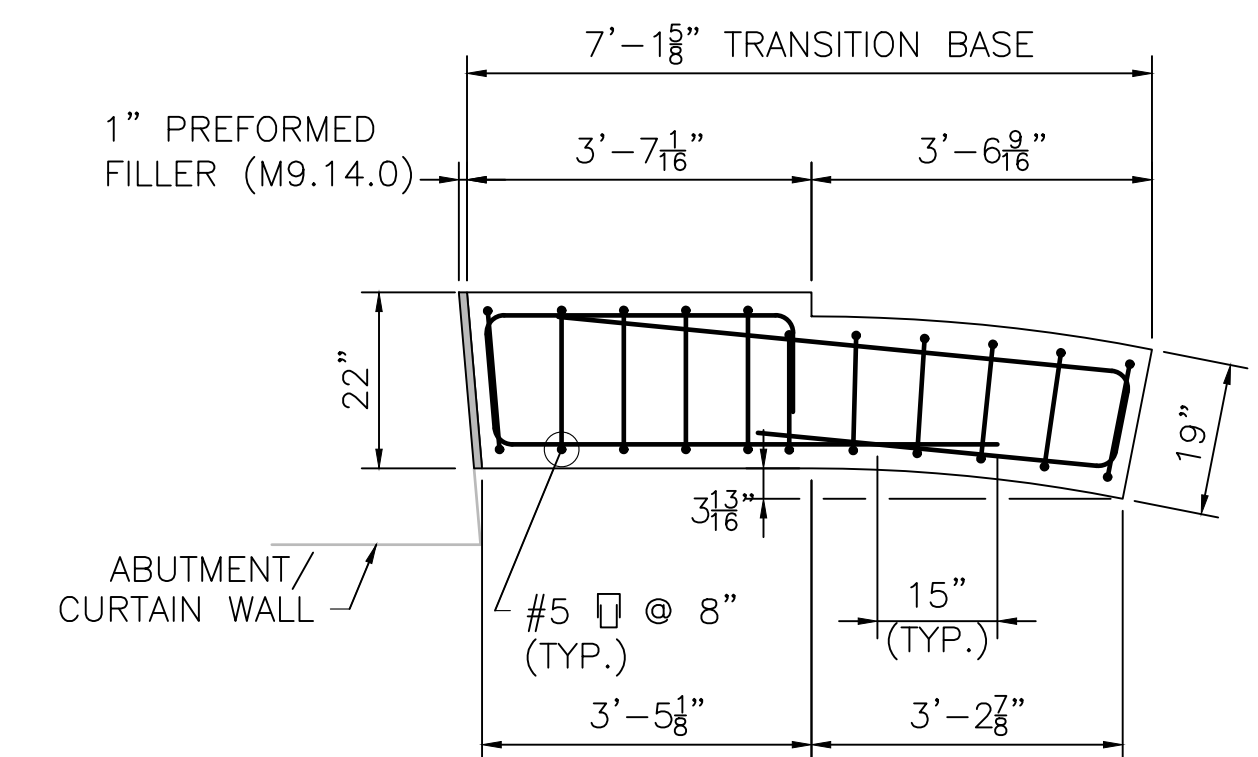
NOTE:
1. REINFORCEMENT OF THE TRANSITION TOP IS NOT SHOWN FOR CLARITY.

SECTION 9
SCALE: 1/2" = 1'-0"



NOTE:
ABUTMENT AND CURTAIN WALL REINFORCEMENT NOT SHOWN FOR CLARITY.

SECTION 10
SCALE: 1/2" = 1'-0"



NOTE:
ABUTMENT AND CURTAIN WALL REINFORCEMENT NOT SHOWN FOR CLARITY.

SECTION 11
SCALE: 1/2" = 1'-0"

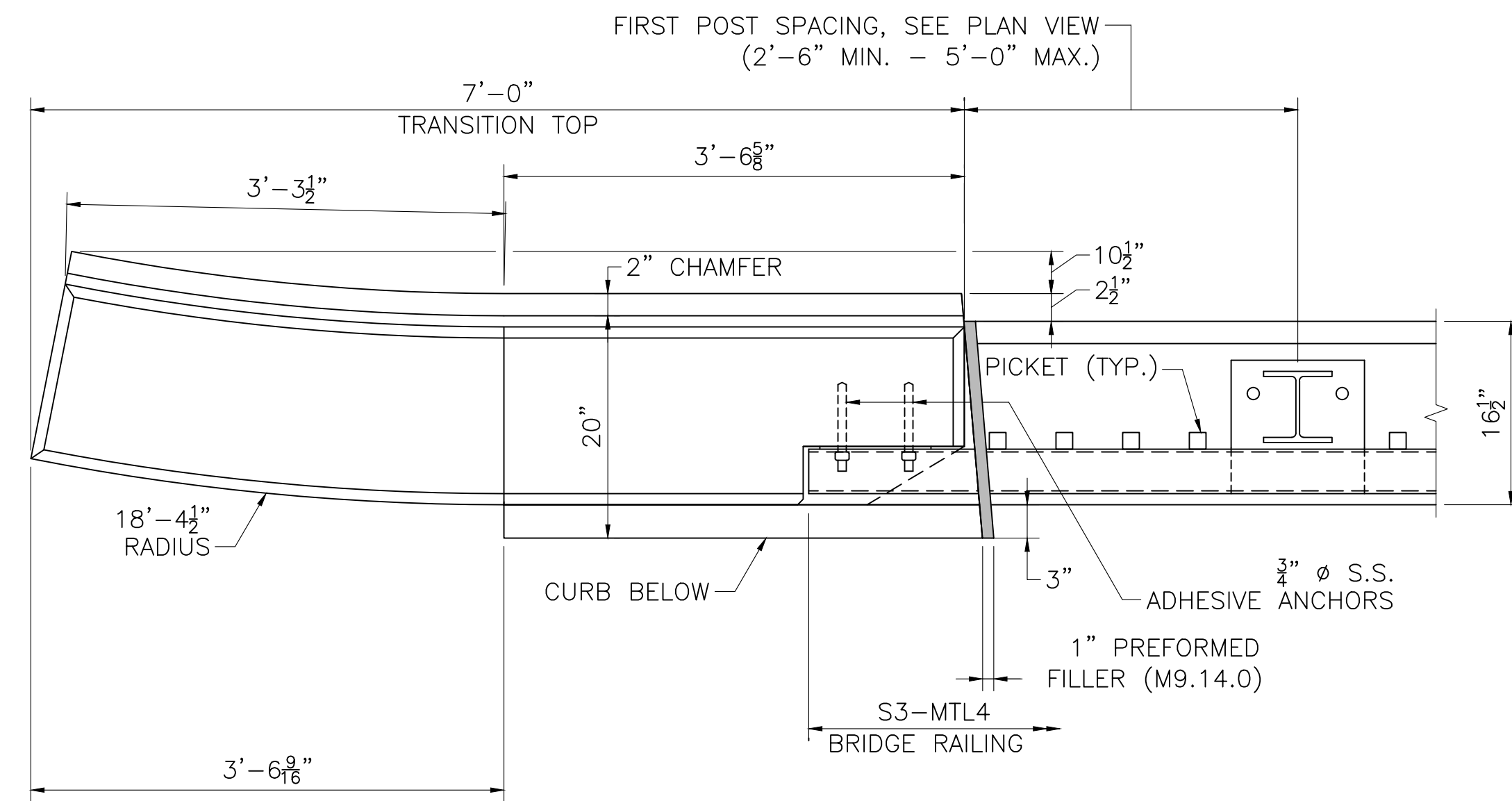
DATE	DESCRIPTION
JUNE 9, 2026	ISSUED FOR CONSTRUCTION

USE ONLY PRINTS OF LATEST DATE

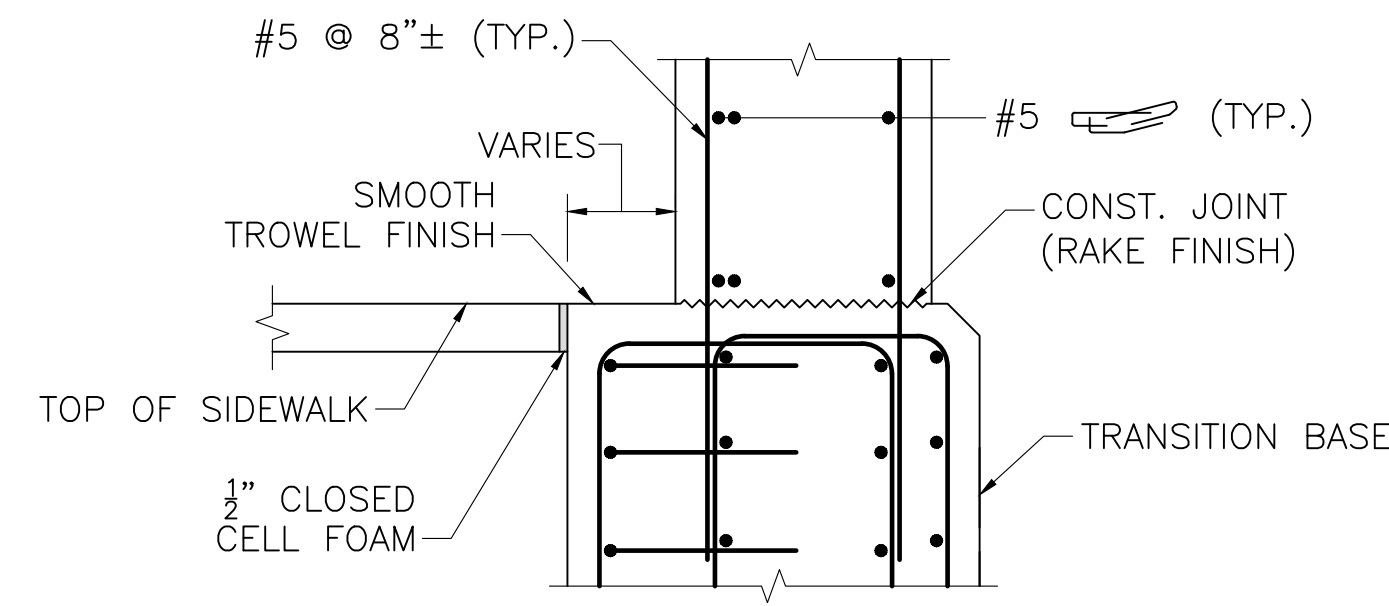
FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	33	36
PROJECT FILE NO.		614090	

TOP OF PRECAST HIGHWAY
GUARDRAIL TRANSITION FOR
S3-MTL4 RAILING
SHEET 1 OF 2

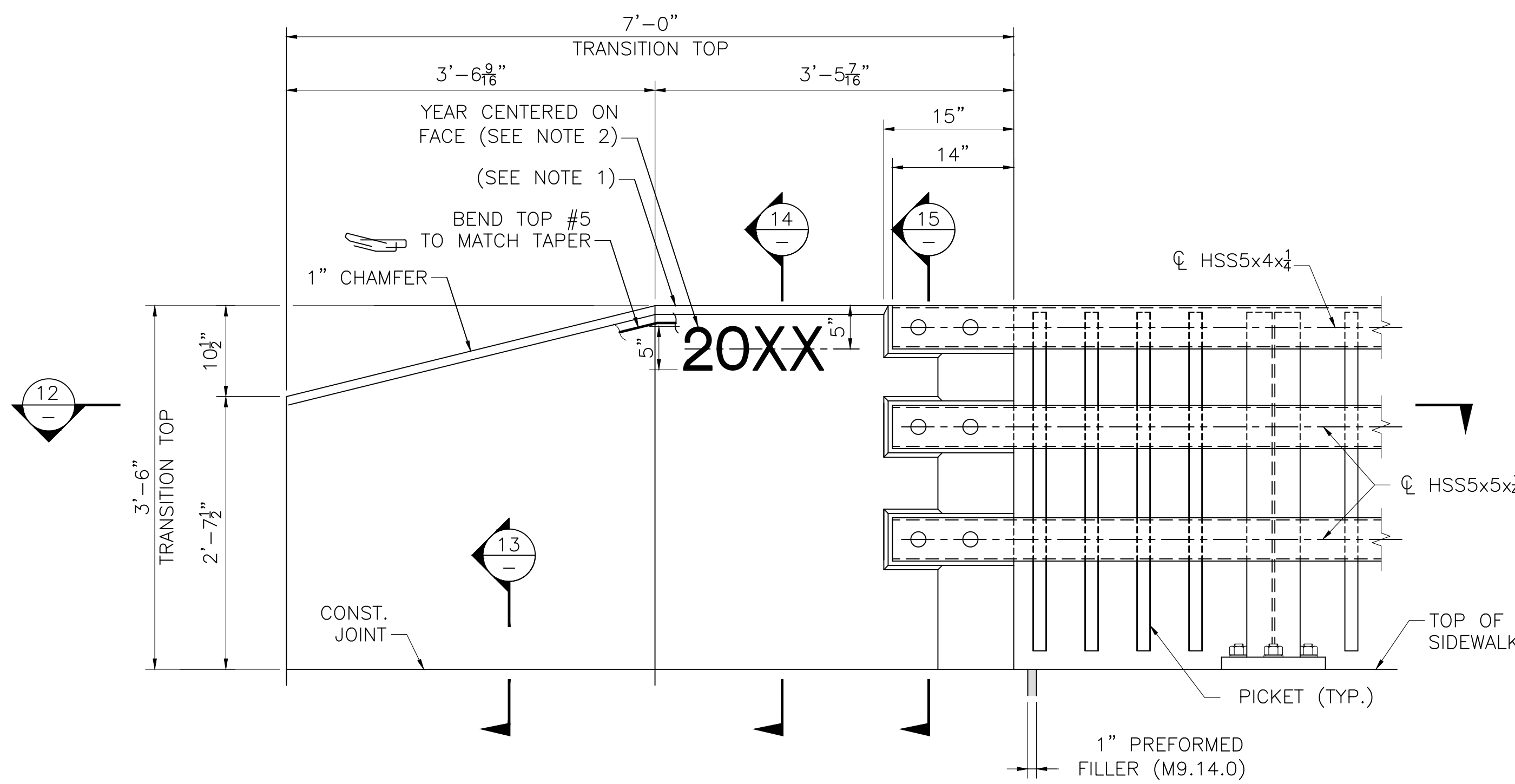


PLAN AT SIDEWALK
SCALE: 1" = 1'-0"

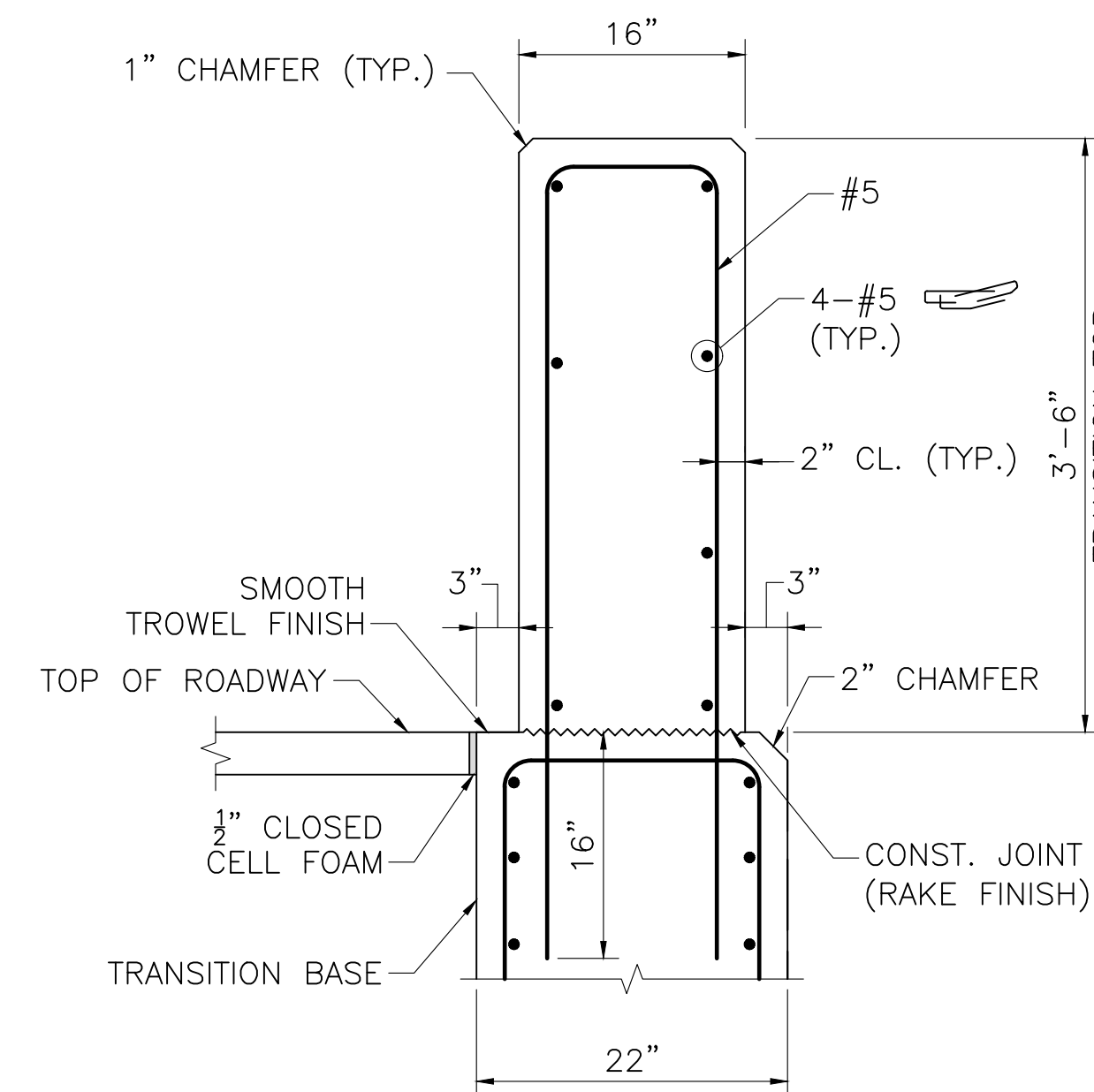


SECTION AT SIDEWALK

SECTION 13
SCALE: 1" = 1'-0"

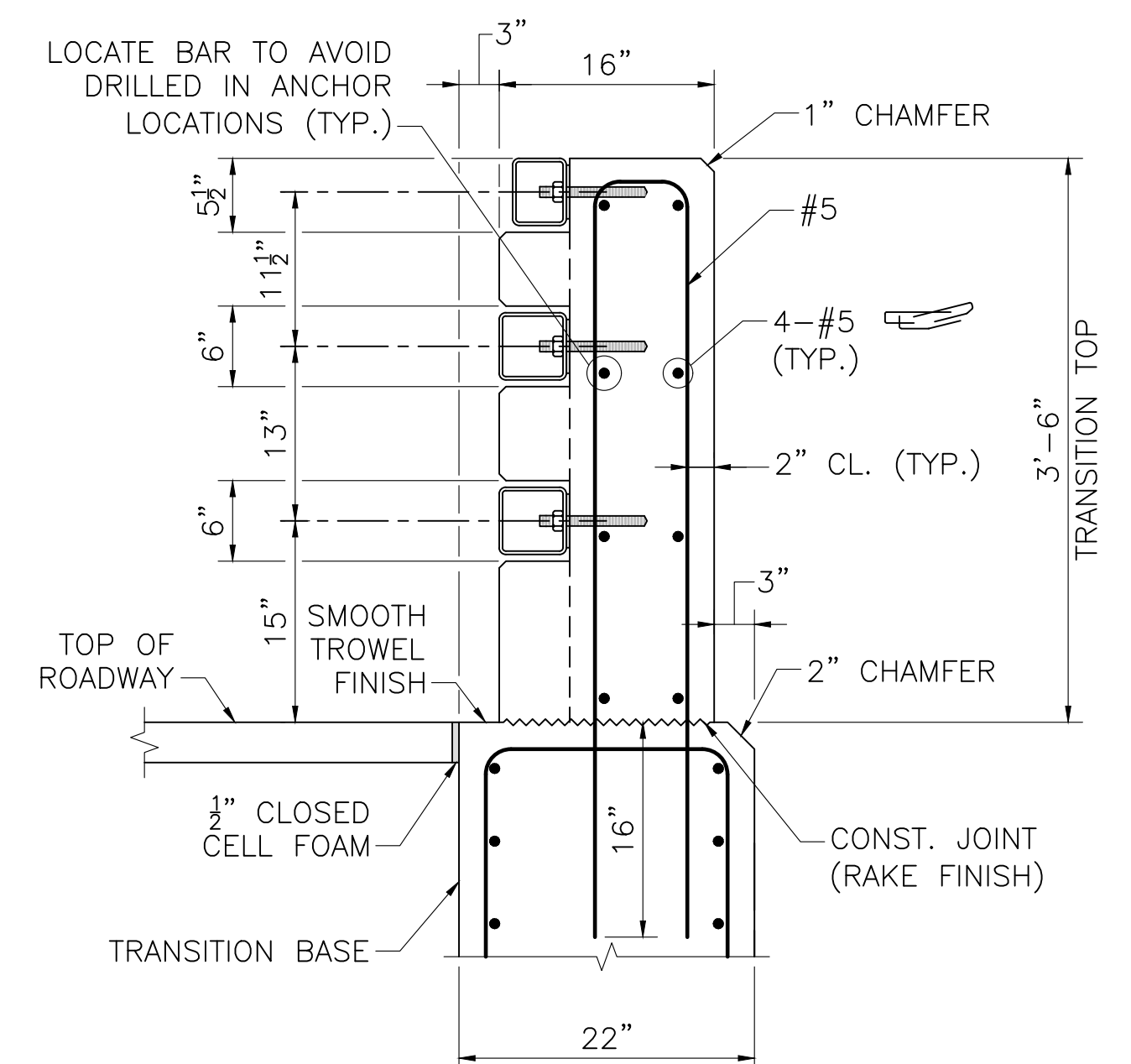


ELEVATION AT SIDEWALK
SCALE: 1" = 1'-0"



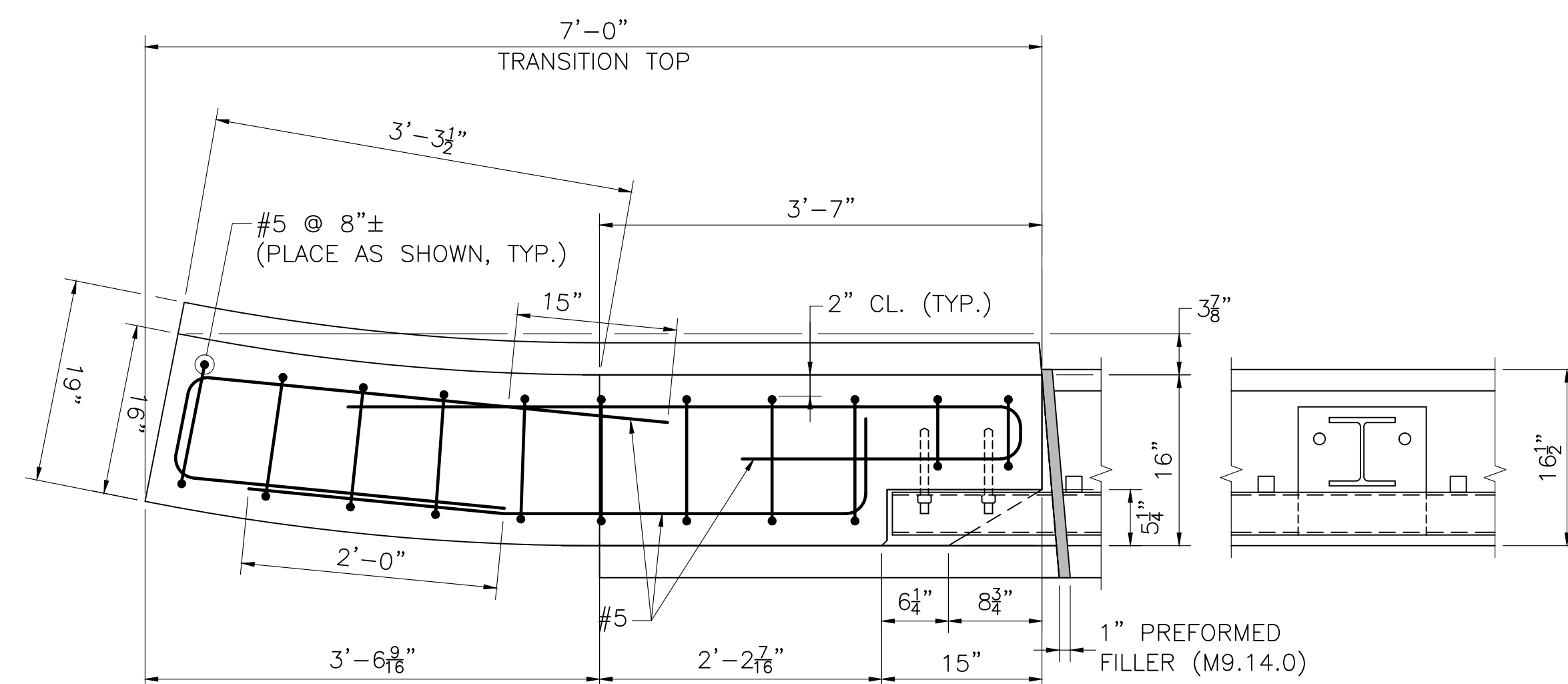
SECTION AT SIDEWALK

SECTION 14
SCALE: 1" = 1'-0"



SECTION AT SIDEWALK

SECTION 15
SCALE: 1" = 1'-0"



SECTION 12
SCALE: 1" = 1'-0"

NOTES:

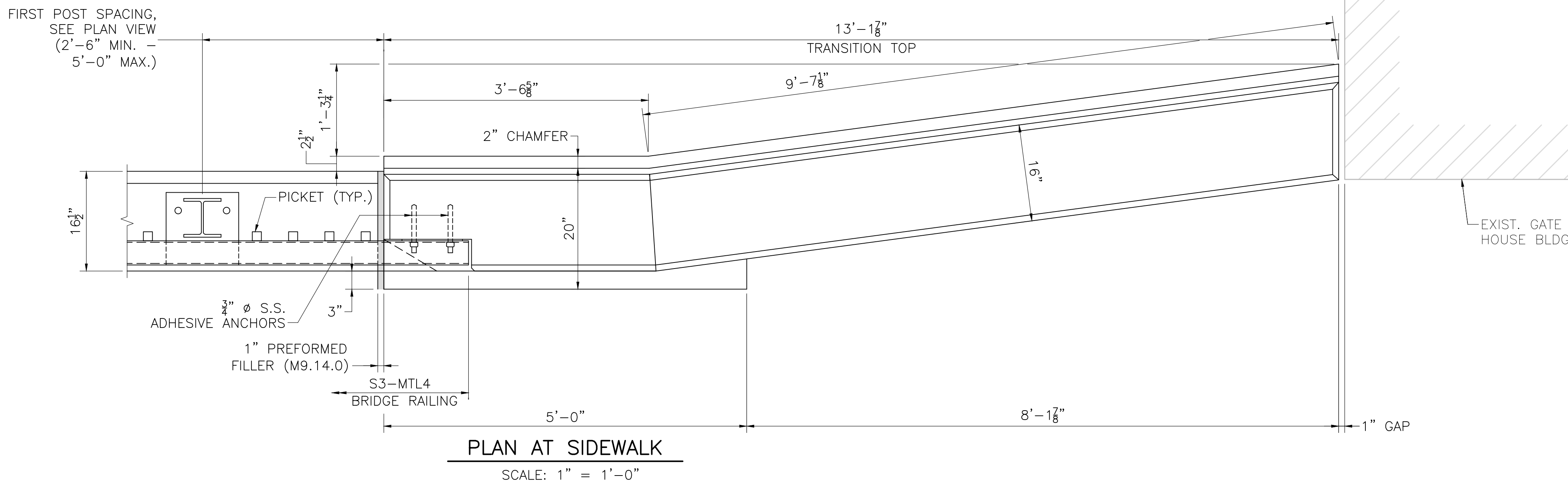
- FOR AN APPROACH GRADE UP TO 3%, THE TRANSITION MAY BE CAST SQUARE AND SET PLUMB WITH THE MINIMUM EMBEDMENT DEPTH SHOWN. THE TERMINAL CONNECTOR INSERT GROUP SHALL BE SQUARE TO THE POST.
- USE LATEST CONTRACT COMPLETION YEAR IN EFFECT WHEN THE FIRST GUARDRAIL TRANSITION IS CAST. USE THIS YEAR FOR ALL GUARDRAIL TRANSITIONS.
- ALL CONCRETE FOR THE PRECAST HIGHWAY GUARDRAIL TRANSITION SHALL BE 5000 HP CEMENT CONCRETE.

JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

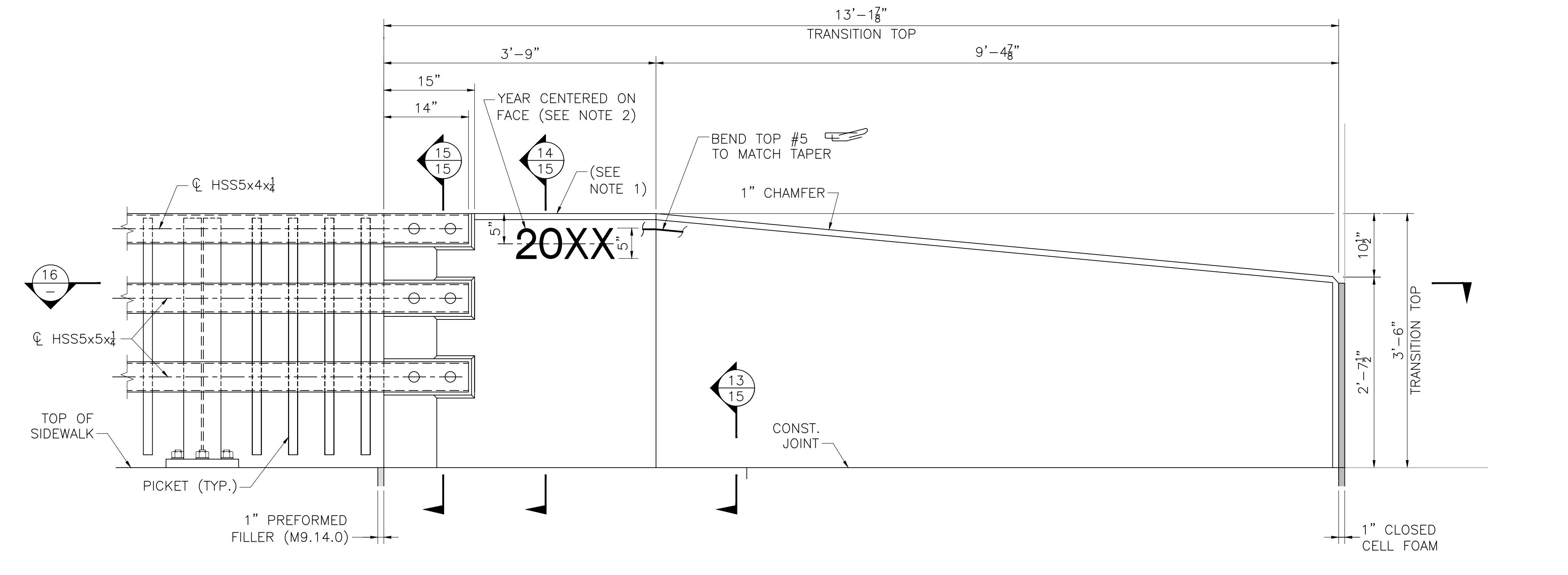
FALL RIVER
FOURTH STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	34	36
PROJECT FILE NO.		614090	

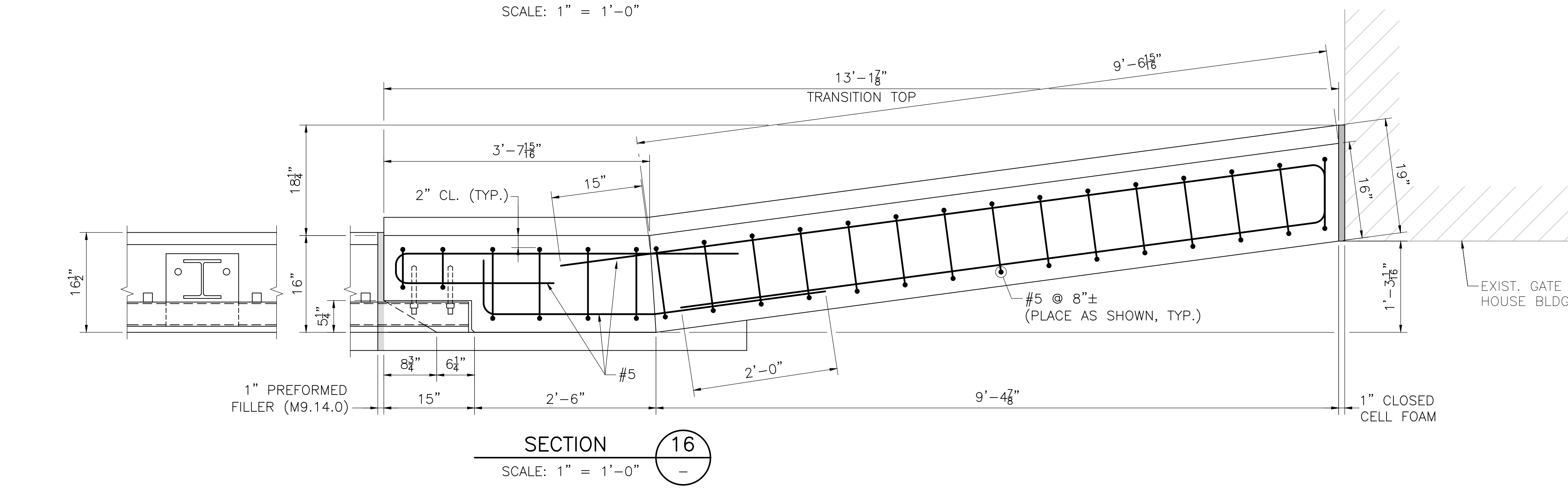
TOP OF PRECAST HIGHWAY
GUARDRAIL TRANSITION FOR
S3-MTL4 RAILING
SHEET 2 OF 2



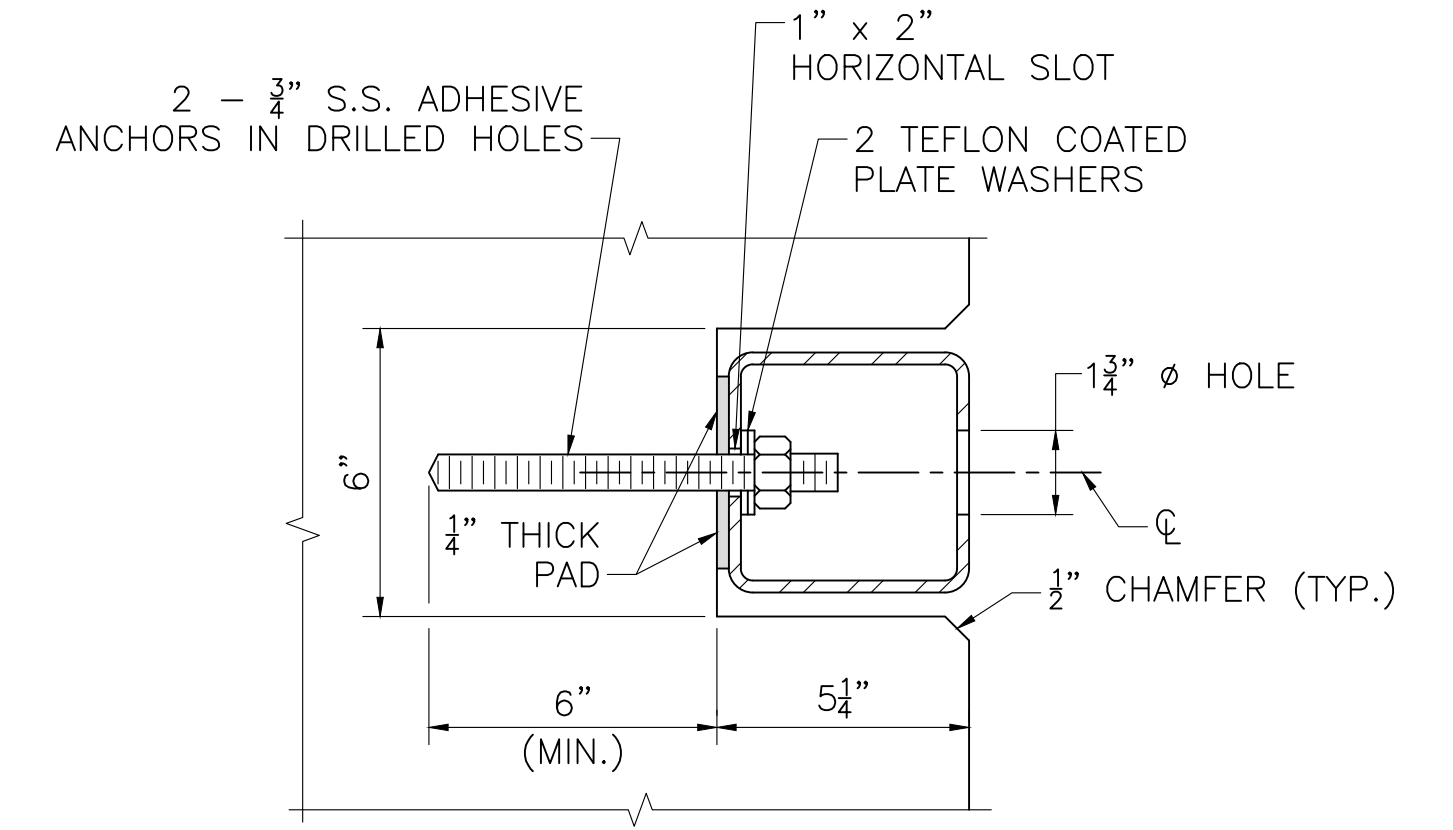
PLAN AT SIDEWALK
SCALE: 1" = 1'-0"



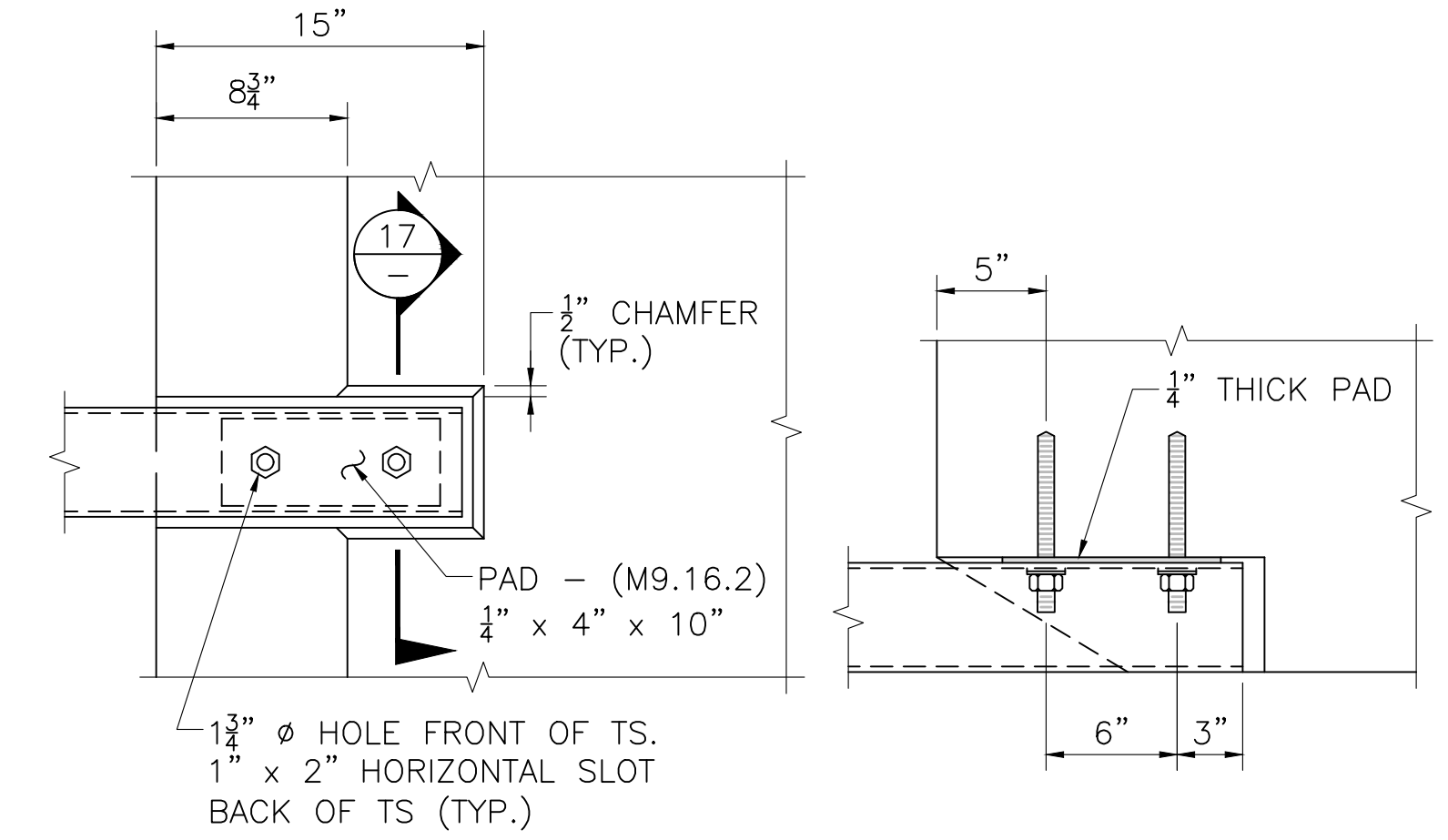
ELEVATION AT SIDEWALK
SCALE: 1" = 1'-0"



SECTION 16
SCALE: 1" = 1'-0"



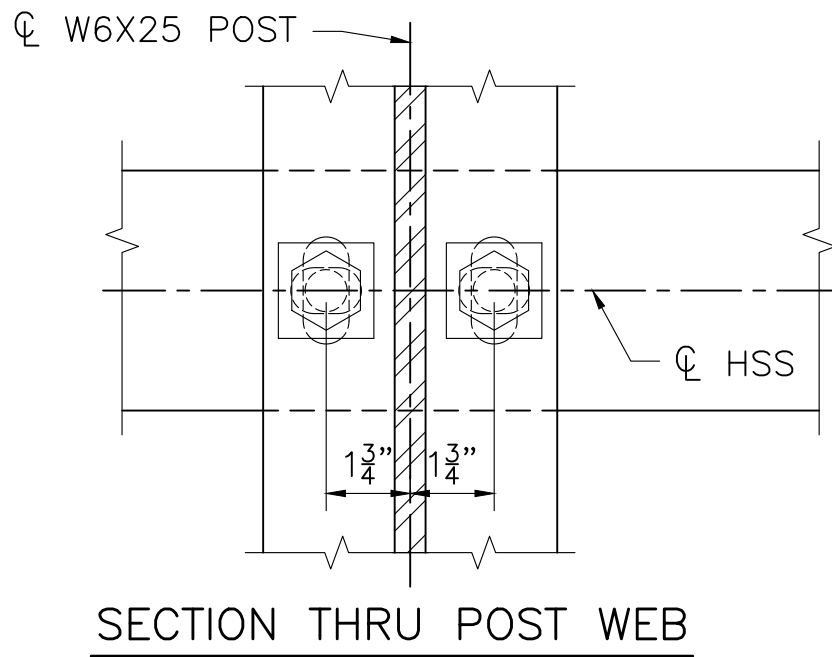
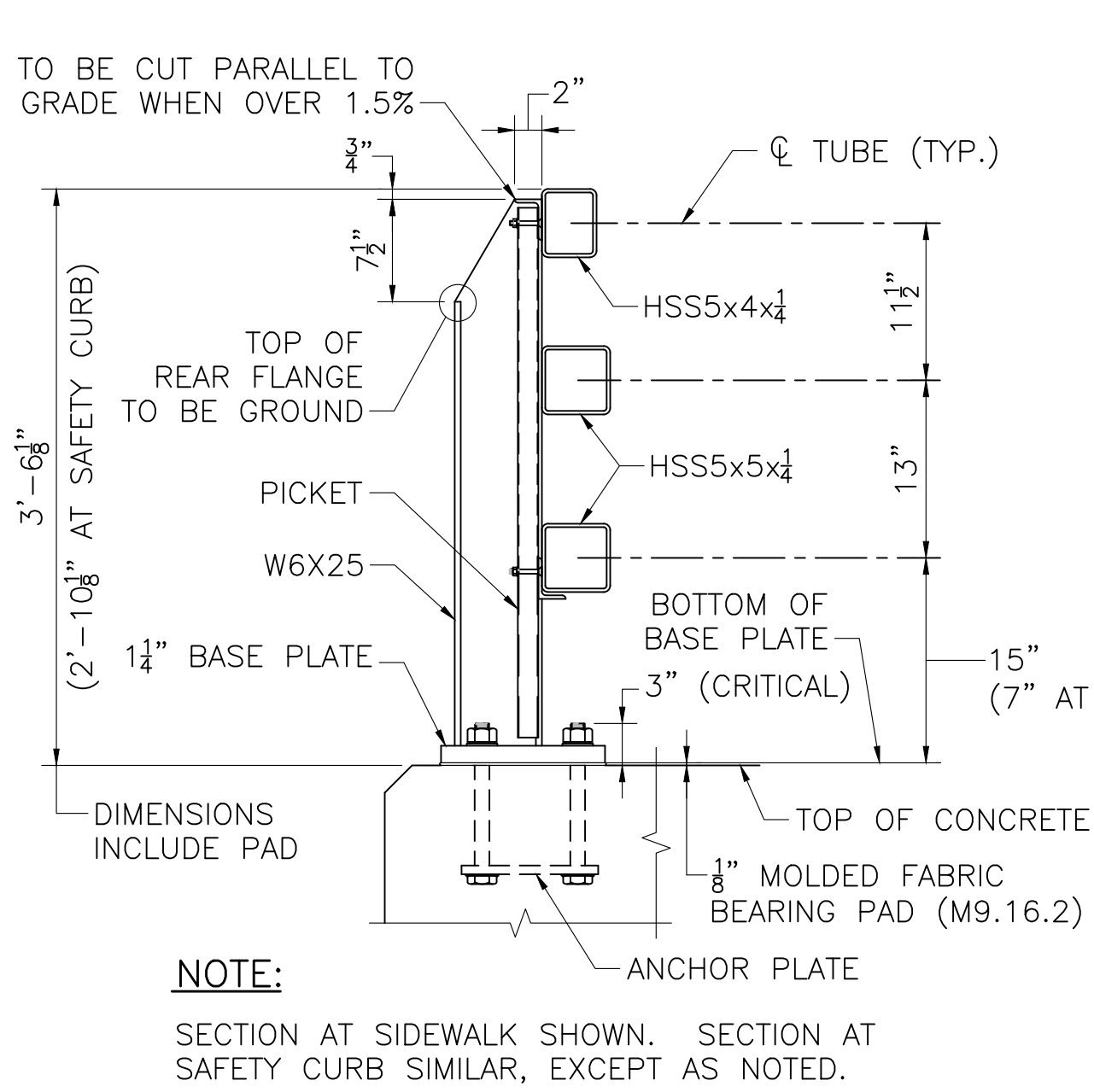
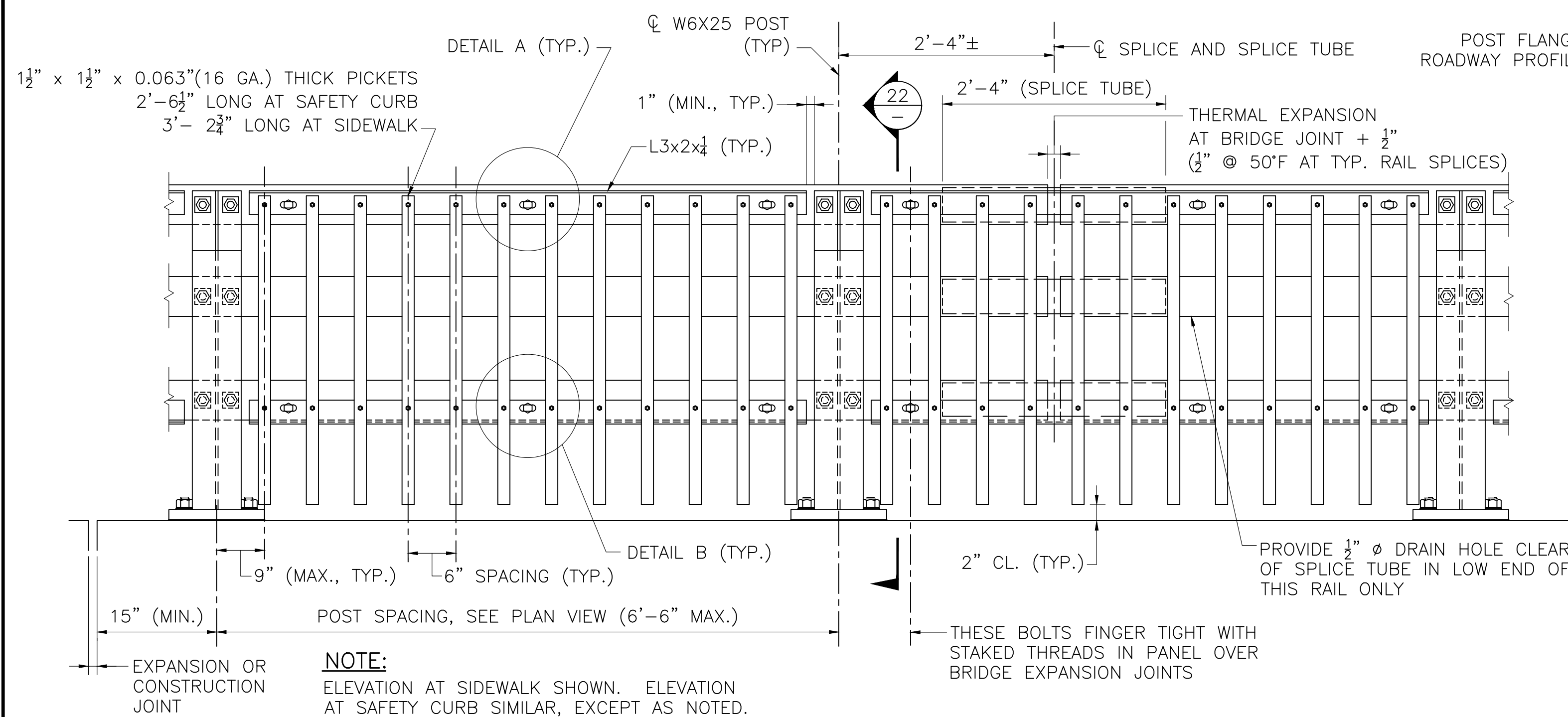
SECTION 17
SCALE: 3" = 1'-0"



RAIL ATTACHMENT
SCALE: 1 1/2" = 1'-0"

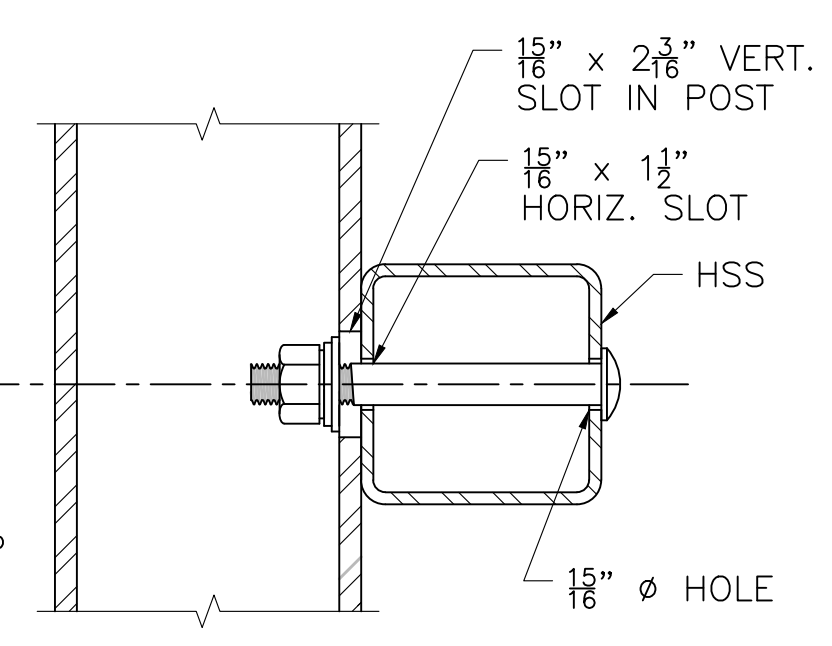
JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

614090(01)BRIDGE.DWG 9-JUN-2026 10:34 AM 9-JUN-2026 614090 PS&E 2 Submittal

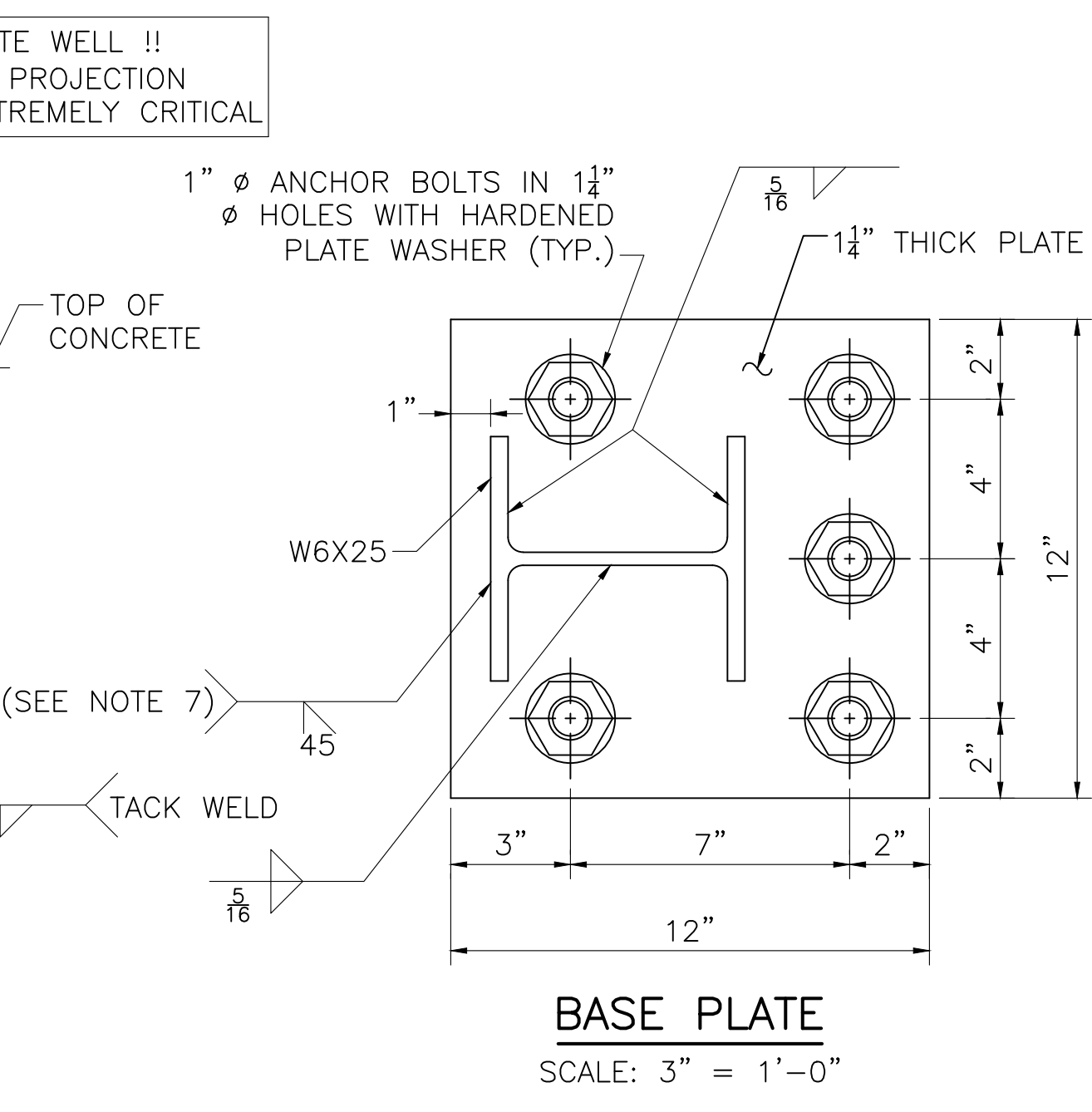
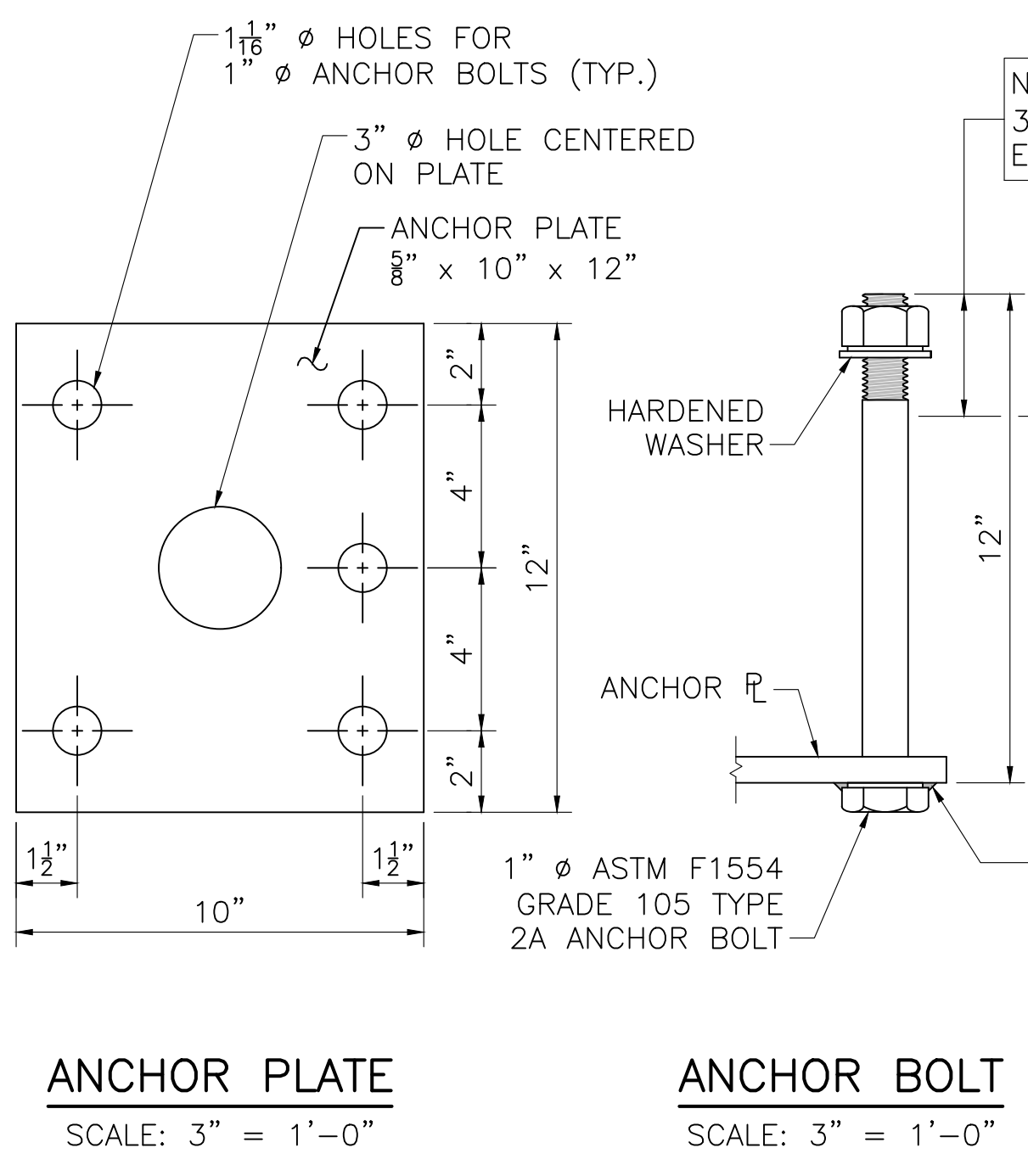
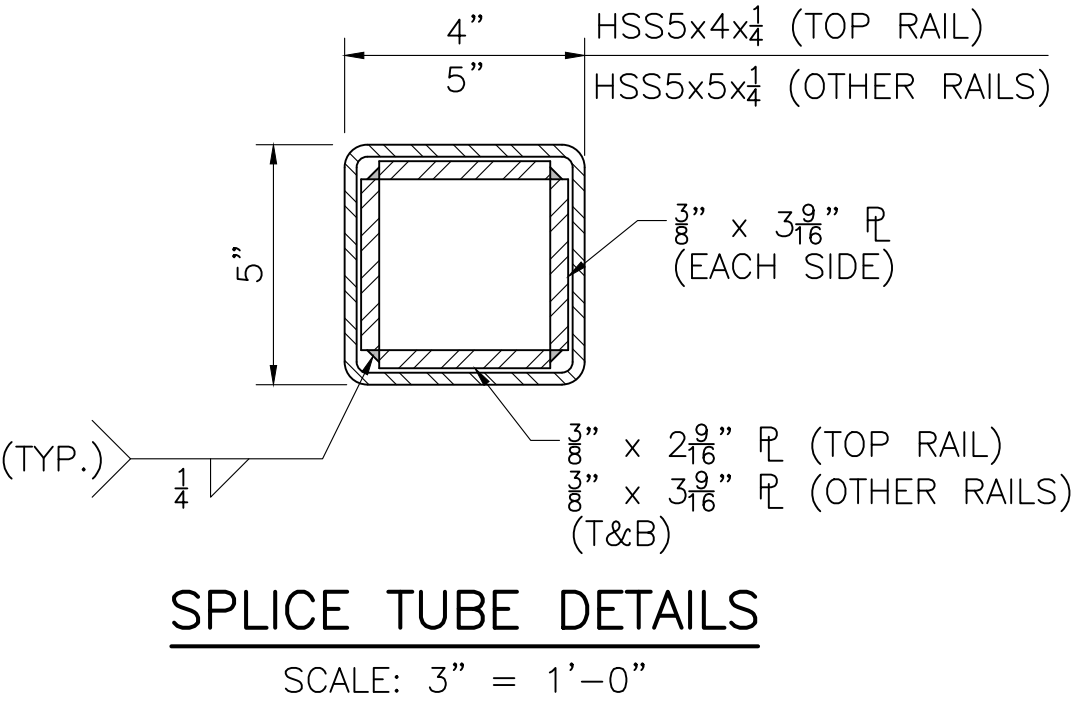
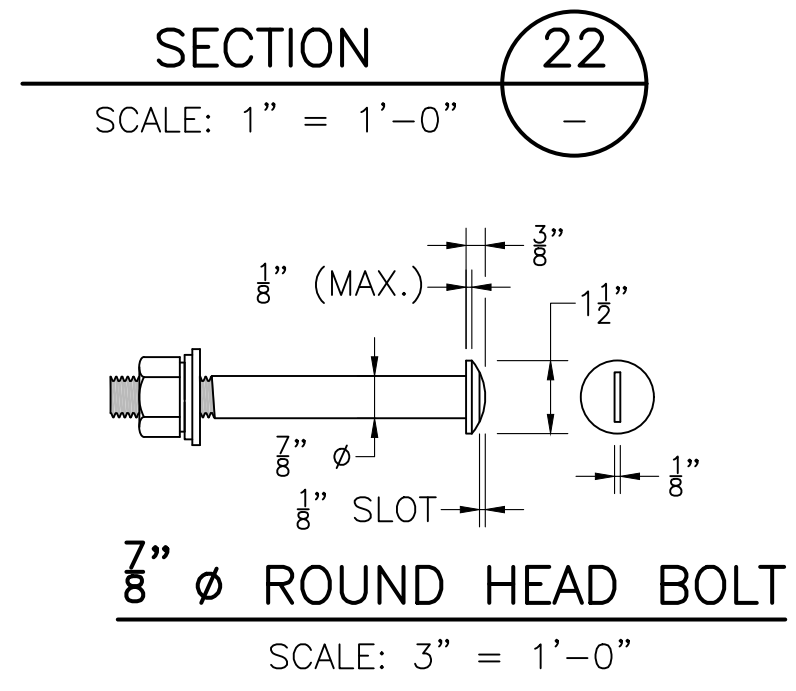
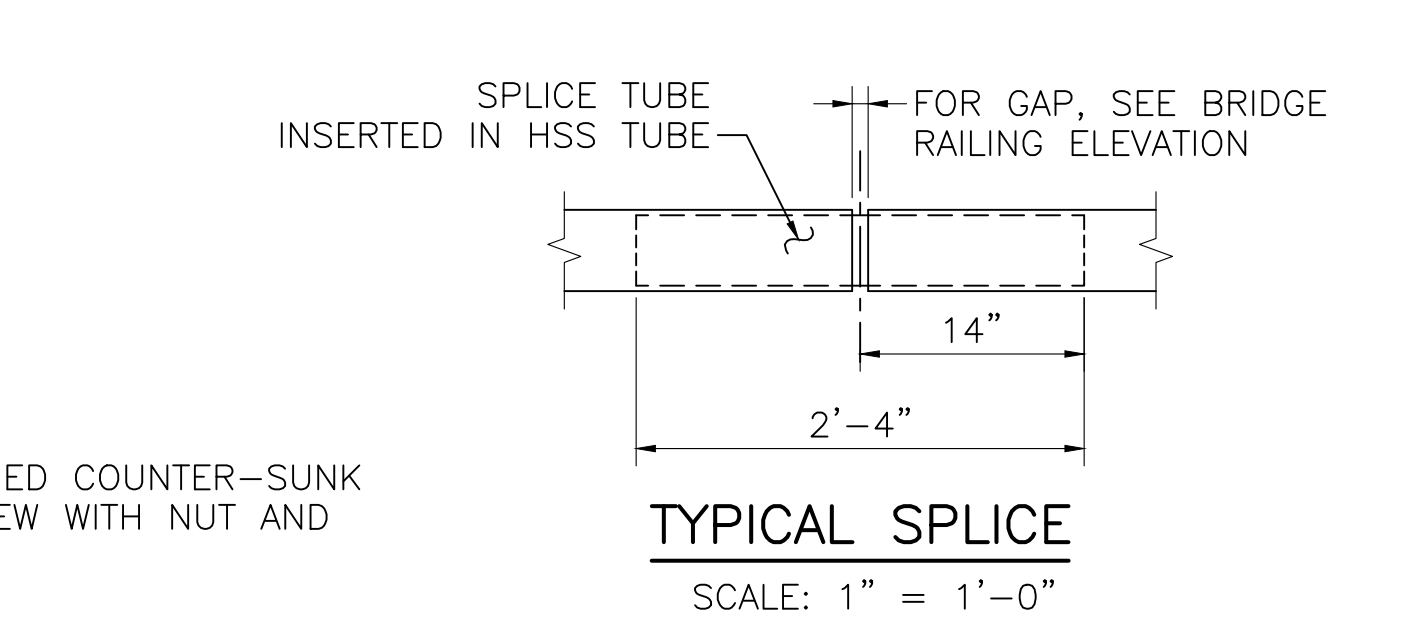
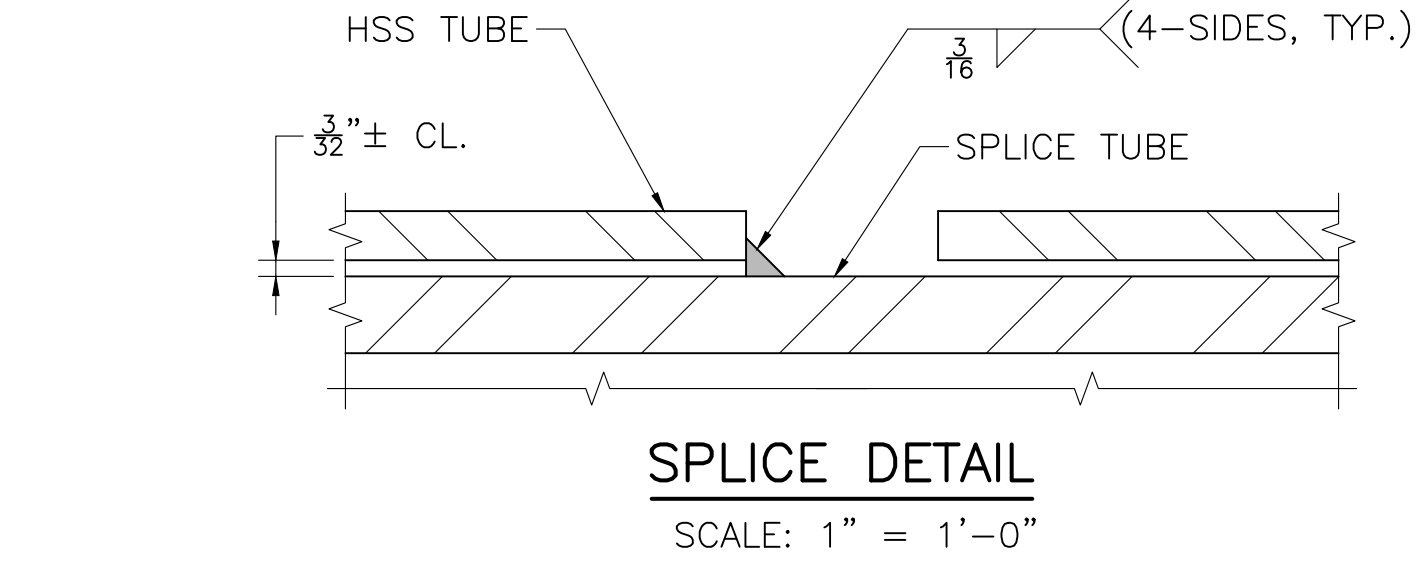
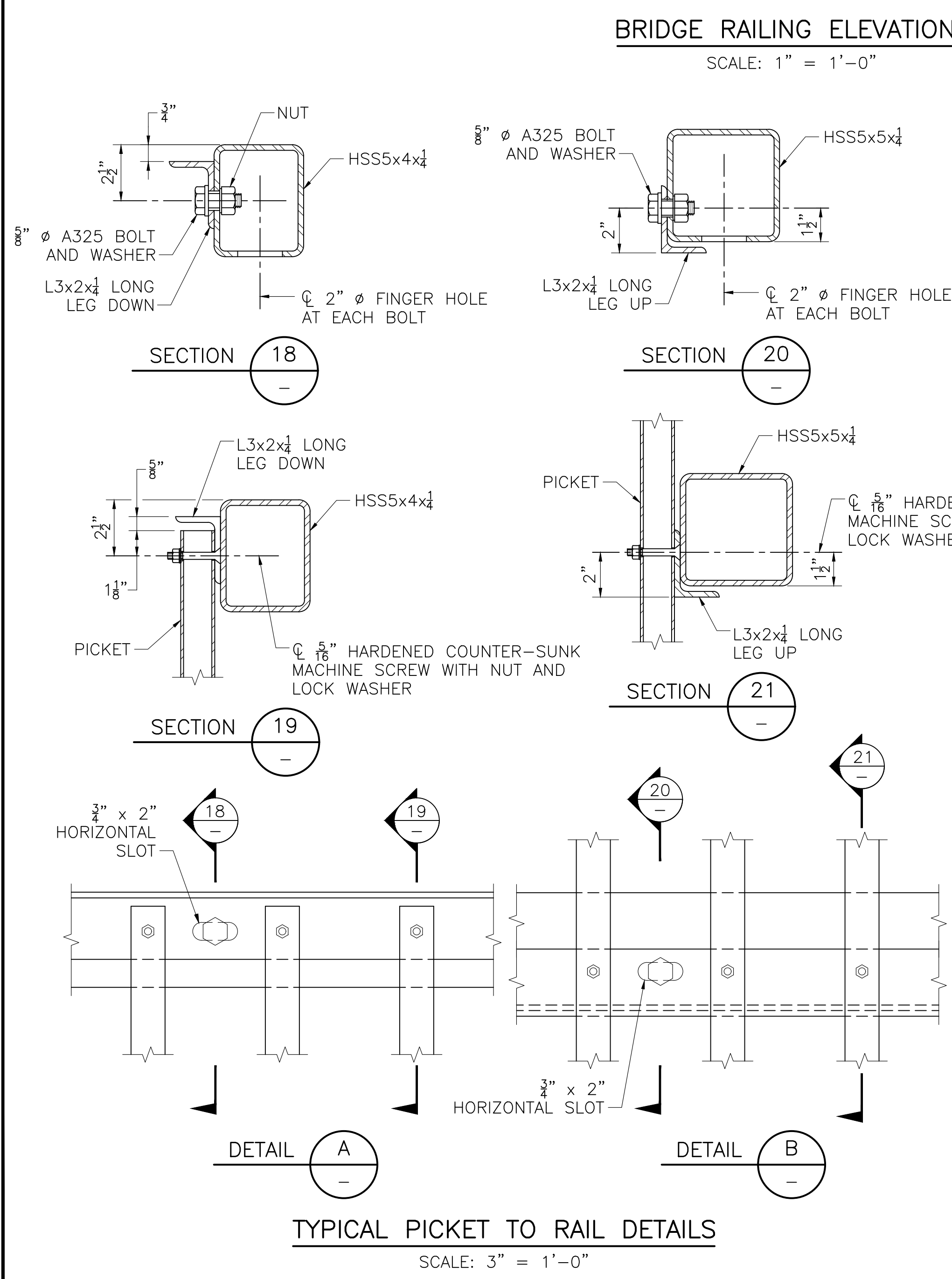


FALL RIVER FOURTH STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	35	36
PROJECT FILE NO. 614090			

S3-MTL4 BRIDGE RAILING



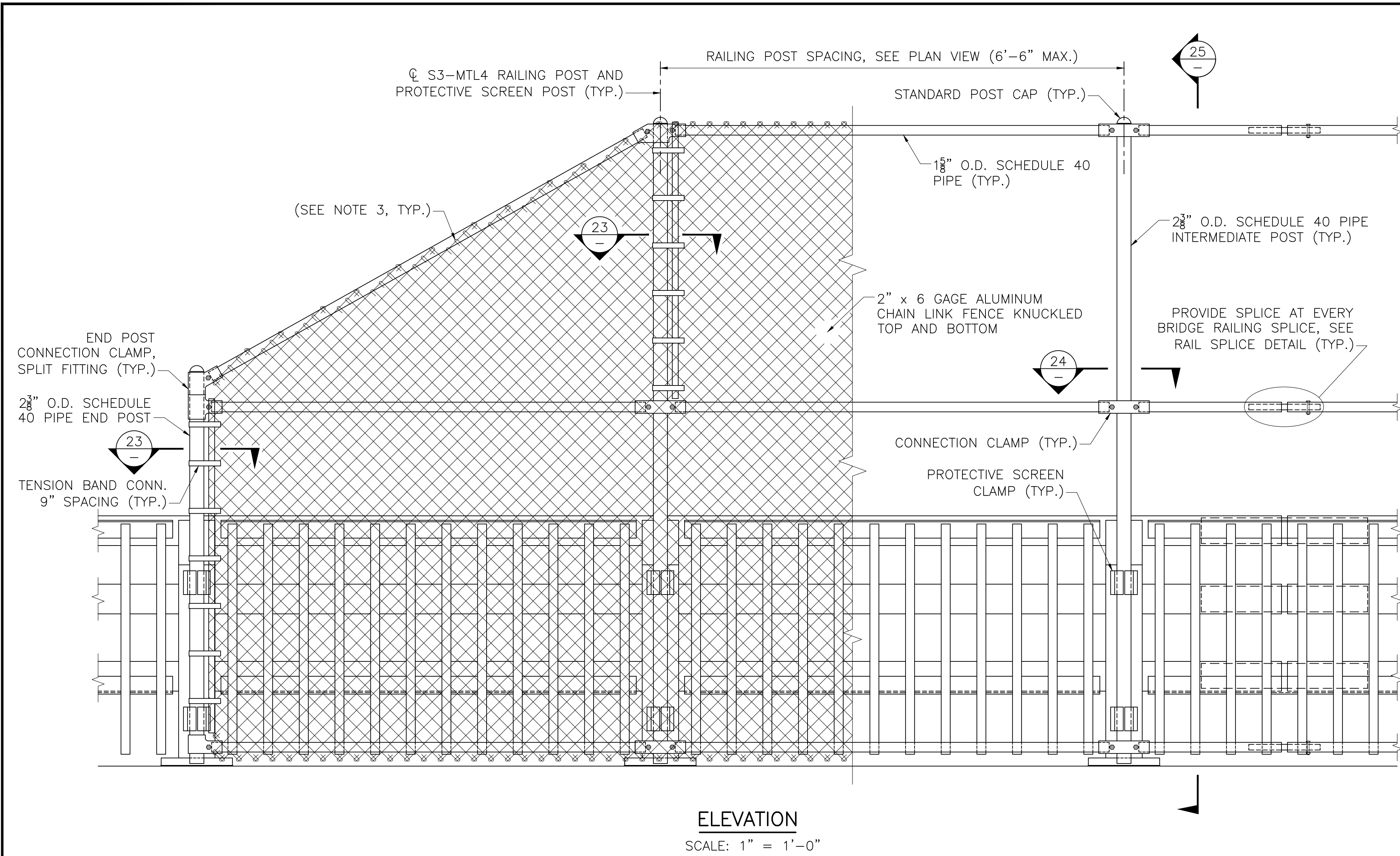
TYPICAL RAIL TO POST CONNECTIONS
SCALE: 3" = 1'-0"



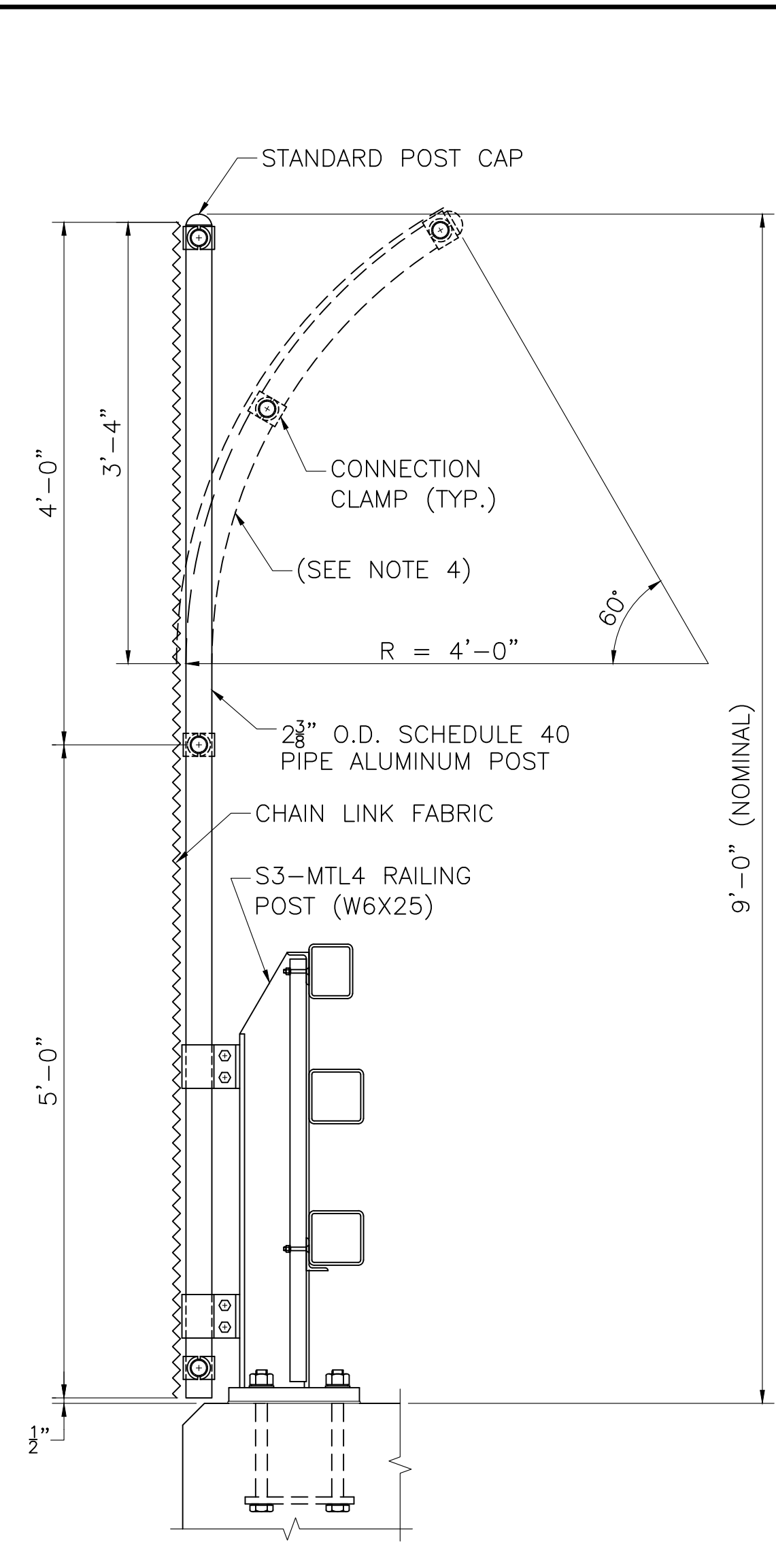
- RAILING NOTES:**
- RAIL POST AND BASE PLATES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 270 GRADE 50. HOLLOW RAILING STRUCTURAL TUBING (HSS) SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 500 WITH A CERTIFIED $F_y = 50$ KSI MINIMUM. THE MINIMUM HORIZONTAL BENDING RADIUS OF THE HSS TUBING SHALL BE 8 FEET. PICKET CARRIER ANGLES, ANCHOR PLATES, AND SPlice TUBE PLATES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 270 GRADE 36. PICKET TUBING SHALL CONFORM TO ASTM A 513 WITH $F_y = 36$ KSI MIN. OR A 500 GRADE B.
 - ALL STEEL (EXCEPT THE 5/8" ANCHOR PLATE AND FASTENERS) SHALL BE GALVANIZED AND PAINTED DARK BRONZE (FEDERAL STD. 595B COLOR NO. 10045). ANCHOR PLATE SHALL BE GALVANIZED ONLY. HEADS OF 7/8" Ø ROUND HEAD BOLTS SHALL BE PAINTED TO MATCH RAIL.
 - ANCHOR BOLTS SHALL BE SET WITH TEMPLATES. THE NUT SECURING THE POST BASE PLATE TO THE CONCRETE SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL 1/8 TURN AFTER STEEL IS IN PLACE.
 - RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF FOUR (4) POSTS WITHOUT SPlices WHERE POSSIBLE. IN ADDITION SPlices SHALL ALSO BE LOCATED IN RAILS OVER BRIDGE EXPANSION JOINTS.
 - ENDS OF TUBE SECTIONS SHALL BE SAWED. GRIND SMOOTH EXPOSED EDGES. ALL CUT ENDS SHALL BE TRUE AND SMOOTH.
 - ALL POSTS TO BE PLUMB WHEN PROFILE GRADE EXCEEDS 1.5%. FOR PROFILE GRADES LESS THAN 1.5%, POSTS SHALL BE SET PERPENDICULAR TO GRADE.
 - POST TO FLANGE WELD DOES NOT REQUIRE MAGNETIC PARTICLE TESTING. BEVEL OUTSIDE FLANGES OF POST. FIT POST TO BASE PLATE. WELD 5/16" FILLET ON INSIDE OF FLANGE AND WEB. BACKGOUGE OUTSIDE OF FLANGE TO SOUND METAL. COMPLETE GROOVE WELD WITH MINIMUM OF 3/8" REINFORCEMENT. WELD IS THE SAME ON BOTH FLANGES.
 - 7/8" Ø ROUND HEAD BOLTS SHALL CONFORM TO THE CHEMICAL AND PHYSICAL REQUIREMENTS OF ASTM F3125 GRADE 325 TYPE 1 GALVANIZED.

JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

614090(01)BRIDGE.DWG 9-JUN-2026 10:34 AM 9-JUN-2026 9:58:22 AM



ELEVATION
SCALE: 1" = 1'-0"

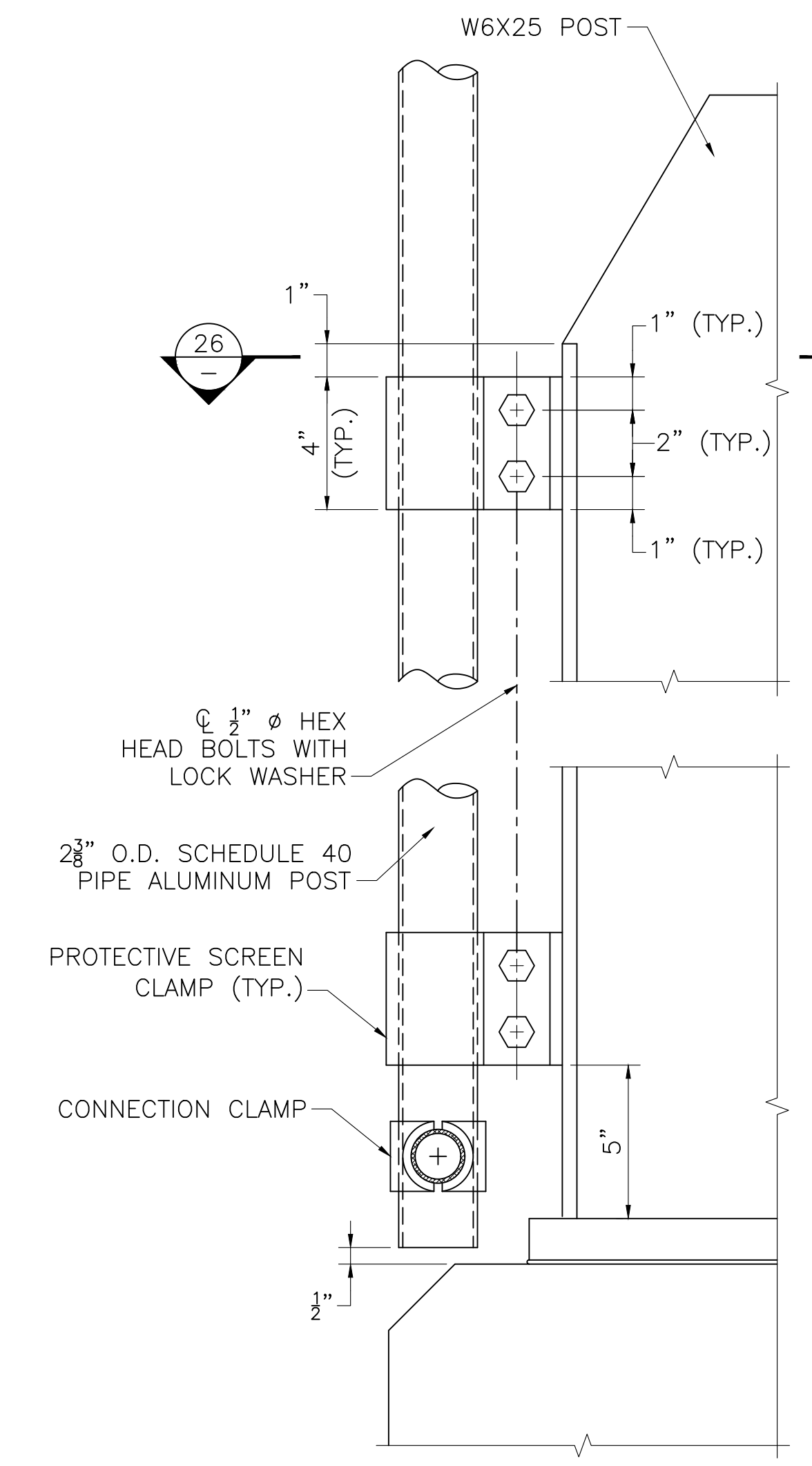


SECTION 25
SCALE: 1" = 1'-0"

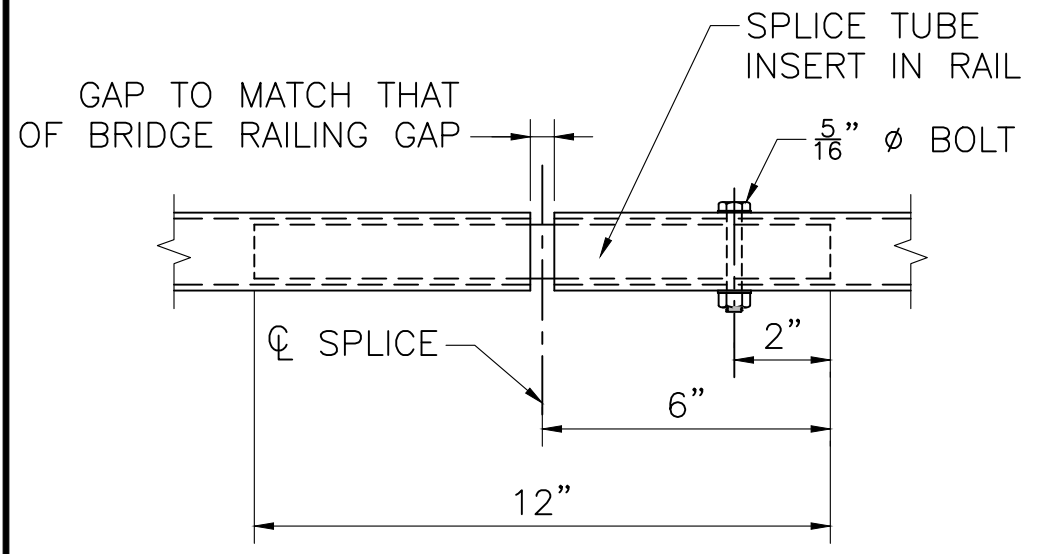
**FALL RIVER
FOURTH STREET**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	N.F.A.	36	36
PROJECT FILE NO. 614090			

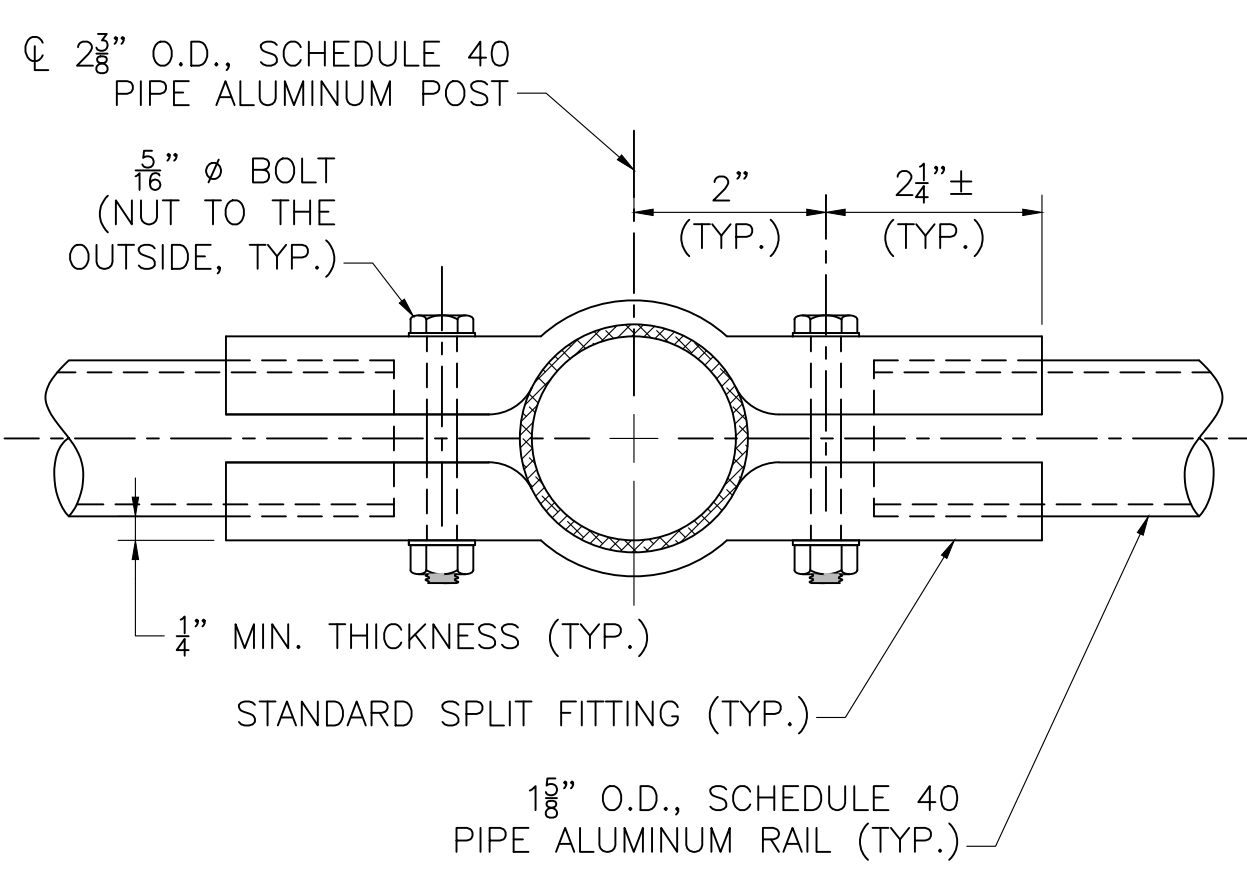
TYPE I PROTECTIVE SCREEN



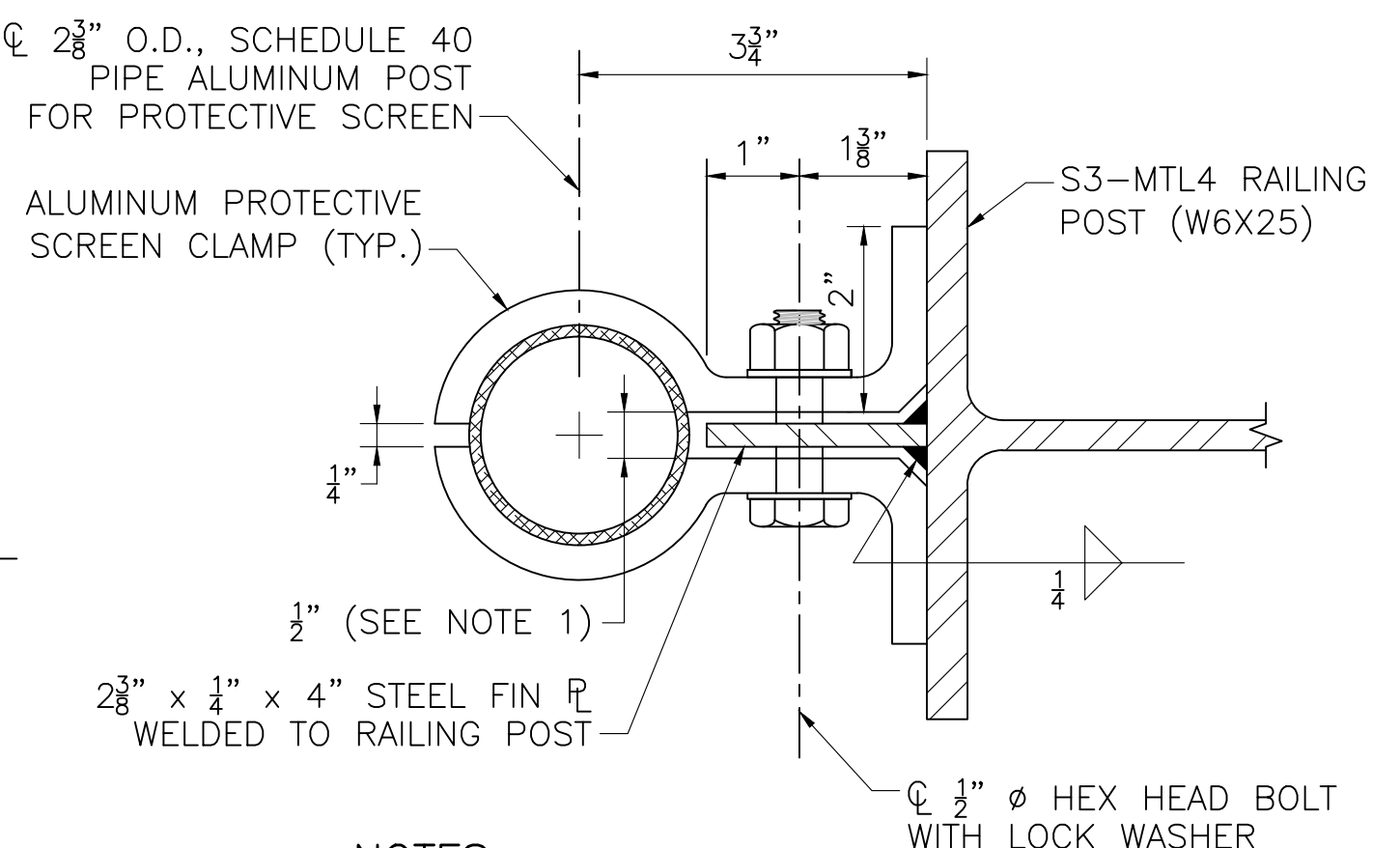
**ELEVATION
PROTECTIVE SCREEN CLAMPS**
SCALE: 3" = 1'-0"



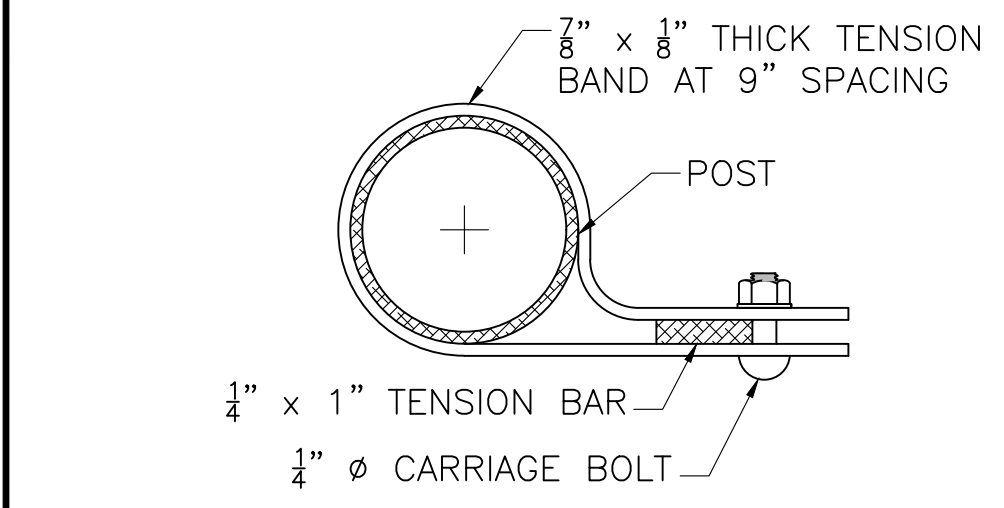
RAIL SPLICE
SCALE: 3" = 1'-0"



SECTION 24
SCALE: 6" = 1'-0"



SECTION 26
SCALE: 6" = 1'-0"



SECTION 23
SCALE: 6" = 1'-0"

GENERAL NOTES:

- USE 6 GAGE TIES AT 12" O.C. TO ALL POSTS AND TOP 2 RAILS OR 3 RAILS (CURVED TOP). SPACE TIES TO BOTTOM RAIL AT 6" O.C.
- ALL ALUMINUM, INCLUDING HARDWARE AND FABRIC, SHALL RECEIVE A 4±1 MIL POLYESTER POWDER COAT FINISH. THE COLOR SHALL MATCH THE COLOR OF THE S3-MTL4 RAILING.
- THE CHAIN LINK FABRIC SHALL BE SECURED BY KNUCKLING TOGETHER THE CUT ENDS OF THE FABRIC WIRE IN A MANNER SIMILAR TO THE ORIGINALLY MANUFACTURED END.
- THE SCREEN TREATMENT TO BE USED (CURVED OR STRAIGHT TOP) IS SPECIFIED ELSEWHERE ON THE CONSTRUCTION DRAWINGS.
- PICKETS ARE REQUIRED FOR CRASH SAFETY.

MATERIALS:

- POST AND RAILS _____ ASTM B 221, ALLOY 6061-T6, SCHEDULE 40 PIPE
- TENSION BARS, RAIL SPLICES, WASHERS, AND POST CONN. CLAMPS _____ ASTM B 221, ALLOY 6061-T6
- FABRIC AND TIES _____ AASHTO M 181 TYPE III, ALLOY 6061-T89 OR T94; 6 GAGE
- TENSION BANDS _____ ASTM B 221, ALLOY 6063-T5
- BOLTS _____ ASTM B 316, ALLOY 2024-T4
- NUTS _____ ASTM B 316, ALLOY 6061-T6
- PROTECTIVE SCREEN CLAMPS _____ ASTM B 221, ALLOY 6061-T6

NOTES:

- DRAW FOR FABRICATION TO ENSURE CLAMPING ACTION.
- SLIGHT VARIATIONS IN EXTRUSION DIMENSIONS MAY BE SUBMITTED FOR APPROVAL.

JUNE 9, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
USE ONLY PRINTS OF LATEST DATE	

614090(01)BRIDGE.DWG 9-JUN-2026 10:34 AM 9-JUN-2026 614090 FS&E 2 Submittal