MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	1	67
PROJECT FILE NO. 608616			

TITLE SHEET & INDEX

PLAN AND PROFILE OF

SCADDING STREET

BRIDGE NO. T-01-024

IN THE CITY OF

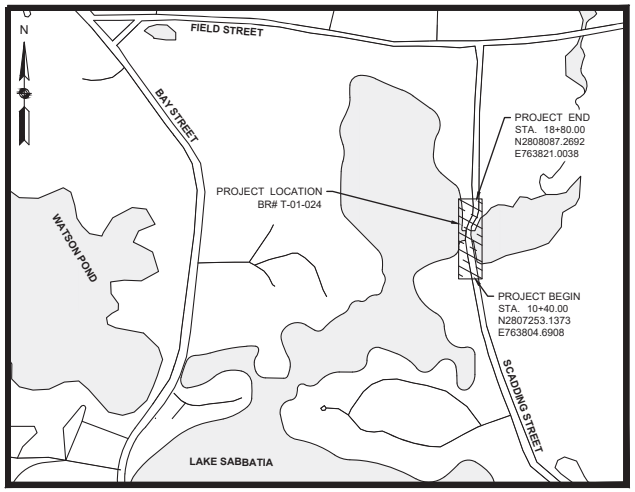
TAUNTON

BRISTOL COUNTY

FEDERAL AID PROJECT NO. STP(BR-OFF)-003S(863)X

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



0 500 1000 1500 2000

SCALE: 1" = 500'

LENGTH OF PROJECT = 840.00 FEET = 0.159 MILES

DESIGN DESIGNATION (SCADDING STREET)

DESIGN SPEED	30 MPH
ADT (2018)	1007
ADT (2028)	1112
K	8.7%
D	53% (NORTHBOUND)
T (PEAK HOUR)	5.9%
T (AVERAGE DAY)	1.3%
DHV	97
DDHV	52
FUNCTIONAL CLASSIFICATION	URBAN LOCAL

COMMONWEALTH OF MASSACHUSETTS — KEVIN M. HARP — CIVIL — NO. 56305 — REGISTERED PROFESSIONAL ENGINEER

Kevin Harp Digitally signed by Kevin Harp Date: 2025.06.25 10:40:39 -05'00'

COMMONWEALTH OF MASSACHUSETTS — ADAM C. ZYSK — CIVIL — NO. 62000 — REGISTERED PROFESSIONAL ENGINEER

Adam Zysk Digitally signed by Adam Zysk Date: 2025.06.26 15:53:23 -04'00'

DATE	DESCRIPTION	REV #

Dewberry
99 SUMMER STREET
BOSTON, MA 02110
P: (617) 695-3400
F: (617) 695-3310

MassDOT Highway Division

APPROVED

Carrie Lavallee, P.E. — Carrie Lavallee, P.E. 2025.06.27 10:00:34 -04'00' — 06/27/2025

CHIEF ENGINEER — **DATE**

608616_HD1-3 - TITLE SHEET, LEGEND & GENERAL NOTES.DWG Plotted on 25-Jun-2025 10:00 AM

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
JB	JB	JERSEY BARRIER
CB	CB	CATCH BASIN
		CATCH BASIN CURB INLET
FP	FP	FLAG POLE
GP	GP	GAS PUMP
MB	MB	MAIL BOX
		POST SQUARE
		POST CIRCULAR
WELL	WELL	WELL
EHH	EHH	ELECTRIC HANDHOLE
		FENCE GATE POST
GG	GG	GAS GATE
BHL #	BHL #	BORING HOLE
MW #	MW #	MONITORING WELL
TP #	TP #	TEST PIT
		HYDRANT
		LIGHT POLE
CO.BD.		COUNTY BOUND
		GPS POINT
		CABLE MANHOLE
		DRAINAGE MANHOLE
		ELECTRIC MANHOLE
		GAS MANHOLE
		MISC MANHOLE
		SEWER MANHOLE
		TELEPHONE MANHOLE
		WATER MANHOLE
MHB	MHB	MASSACHUSETTS HIGHWAY BOUND
MON		MONUMENT
SB		STONE BOUND
TB	CB	TOWN OR CITY BOUND
		TRAVERSE OR TRIANGULATION STATION
TPL or GUY	TPL or GUY	TROLLEY POLE OR GUY POLE
HTP		TRANSMISSION POLE
UFB	UFB	UTILITY POLE W/ FIREBOX
UPDL	UPDL	UTILITY POLE WITH DOUBLE LIGHT
ULT	ULT	UTILITY POLE W / 1 LIGHT
UPL	UPL	UTILITY POLE
		BUSH
SIZE & TYPE		TREE
		STUMP
		SWAMP / MARSH
WG	WG	WATER GATE
PM	PM	PARKING METER
		OVERHEAD CABLE/WIRE
		CURBING
100 99		CONTOURS (ON-THE-GROUND SURVEY DATA)
100 99		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
x	x	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
1	1	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)
RRSG	RRSG	RAILROAD SIGNAL
OR		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
	20'	MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		HIGH MAST POLE OR TOWER
		SIGN AND POST
		SIGN AND POST (2 POSTS)
	20'	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
ONLY	ONLY	LEGEND "ONLY" - WHITE
	SL	STOP LINE
	CW	CROSSWALK
	SWL	SOLID WHITE LINE
	SYL	SOLID YELLOW LINE
	BWL	BROKEN WHITE LINE
	BYL	BROKEN YELLOW LINE
	DWL	DOTTED WHITE LINE
	DYL	DOTTED YELLOW LINE
	DWLEx	DOTTED WHITE LINE EXTENSION
	DYLEx	DOTTED YELLOW LINE EXTENSION
	DBWL	DOUBLE WHITE LINE
	DBYL	DOUBLE YELLOW LINE

ABBREVIATIONS

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	BENCHMARK
BO	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
CLDI	CEMENT LINED DUCTILE IRON
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
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
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
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
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

ABBREVIATIONS (cont.)

GENERAL

PVMT	PAVEMENT
PWW	PAVED WATER WAY
R	RADIUS OF CURVATURE
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWY	ROADWAY
REM	REMOVE
RET	RETAIN
RET WALL	RETAINING WALL
ROW	RIGHT OF WAY
RR	RAILROAD
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
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

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	2	67
PROJECT FILE NO.	608616		

LEGEND & ABBREVIATIONS

GENERAL NOTES

1. THE EXISTING TOPOGRAPHIC CONDITIONS SHOWN ON THESE PLANS CONSIST OF ON-THE GROUND SURVEY INSTRUMENT SURVEY PERFORMED BY NITSCH ENGINEERING IN JUNE 2017.
2. COORDINATES ARE PROVIDED IN US SURVEY FEET, REFERENCED TO THE NORTH AMERICAN DATUM OF (NAVD) 1983, ELEVATIONS ARE PROVIDED IN US SURVEY FEET REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF (NAVD) 1988.
3. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING GRADES AND ELEVATIONS AT THE LOCATIONS WHERE PROPOSED WORK MEETS EXISTING CONDITIONS.
4. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE HIS OWN DETERMINATION OF SUBSURFACE CONDITIONS INCLUDING THE LOCATION OF ROCK AND THE ACTUAL LOCATION OF UTILITIES OR OTHER FEATURES WHICH MAY AFFECT HIS WORK.
5. EXISTING UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM FIELD SURVEYS AND VARIOUS OTHER SOURCES. LOCATIONS ARE NOT GUARANTEED TO BE ACCURATE NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND ACTUAL FIELD CONDITIONS ENCOUNTERED. 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 THIS INFORMATION FURNISHED TO THE ENGINEER.
6. THE RELOCATION, INSTALLATION OR REMOVAL OF PRIVATE UTILITIES SHALL BE ACCOMPLISHED BY THEIR OWNERS, EXCEPT AS OTHERWISE NOTED. THE CONTRACTOR WILL BE REQUIRED TO COOPERATE WITH THE PRIVATE UTILITY COMPANIES AND ALLOW THEM ADEQUATE TIME TO COMPLETE THEIR WORK IN ADVANCE OF PERFORMING ANY PAVING OPERATIONS OR OTHER FINISHED WORK.
7. AREAS OUTSIDE OF THE LIMITS OF THE PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE ENGINEER.
8. THE CONTRACTOR SHALL CONTACT “DIG SAFE” AT 1-888-DIG-SAFE AT LEAST 72 HOURS PRIOR TO COMMENCING WORK ON THE PROJECT.
9. BEFORE CONSTRUCTION, ALL UTILITIES (PUBLIC & PRIVATE) MUST BE NOTIFIED (SEE MASSACHUSETTS GENERAL LAWS, CH 82, SEC 40).
10. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND FOR MAINTAINING ALL EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE CONTRACT AT AREAS WHERE SHOWN ON THE PLANS AND DIRECTED BY THE ENGINEER.
11. NO EXISTING DRAINAGE SYSTEMS SHALL BE ABANDONED, PLUGGED OR REMOVED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
12. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL STATE AND LOCAL SAFETY CODES AND LEGAL REQUIREMENTS IN THE CONSTRUCTION OF IMPROVEMENTS.
13. ALL EXISTING PIPING AND STRUCTURES EXPOSED DURING EXCAVATION SHALL BE ADEQUATELY SUPPORTED, BRACED OR OTHERWISE PROTECTED DURING CONSTRUCTION ACTIVITIES. EXCAVATIONS SHALL BE BACK FILLED DAILY AT THE COMPLETION OF WORK.
14. UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE AT ALL TIMES. IF THE CONTRACTOR DAMAGES UTILITY SYSTEMS, THEY SHALL IMMEDIATELY NOTIFY THE RESPECTIVE UTILITY COMPANY AND SHALL REPAIR/REPLACE THE AFFECTED SYSTEM AT THEIR OWN EXPENSE.
15. ALL MATERIALS TO BE REMOVED AND DISCARDED SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
16. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING OF ALL EXCAVATIONS IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE CODES AND REGULATIONS.
17. THE TEMPORARY TRAFFIC CONTROL PLAN INDICATES THE GENERAL REQUIREMENTS FOR THE VARIOUS PHASES OF WORK THE CONTRACTOR SHALL SUBMIT DETAILED TRAFFIC MANAGEMENT PLANS TO THE ENGINEER FOR APPROVAL.
18. THE FLOW OF TRAFFIC AROUND THE SITE MUST BE MAINTAINED AS SHOWN ON THE TRAFFIC CONTROL PLAN AND SPECIFIED IN THE SPECIAL PROVISIONS. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL NOT BE PARKED OR STOCKPILED SO AS TO OBSTRUCT THE FLOW OF VEHICLES.
19. ALL CATCH BASIN RIM ELEVATIONS ARE GIVEN AT THE CENTER OF BACK OF THE GRATE. CATCH BASIN SHALL BE FLUSH WITH THE ROADWAY FINISHED GRADE.
20. 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 CONSTRUCTABILITY OF THE DRAINAGE SYSTEM SHALL ANY STRUCTURES BE ORDERED. ANY FIELD ADJUSTMENTS TO LINE & GRADE UP TO A DEPTH OF 5 FEET SHALL BE INCLUDED IN THE COST OF THE PIPE. PIPE EXCAVATION GREATER THAN 5 FEET WILL BE PAID UNDER CLASS B TRENCH EXCAVATION.

UPLAND NATIVE SEEDING NOTES

1. SEEDING SHALL BE BROADCAST METHOD ONLY (NOT HYDROSEED) UNLESS APPROVED OTHERWISE BY THE MASSDOT LANDSCAPE ARCHITECT.
2. SEEDING AND SUBMITTALS SHALL BE PER THE SPECIAL PROVISIONS.
3. SUBMITTALS FOR SEED MIXES SHALL BE APPROVED BY THE ENGINEER AND LANDSCAPE ARCHITECT PRIOR TO SEED APPLICATION.
4. SITE PREPARATION SHALL BE PER SPECIFICATIONS AND APPROVED BY THE ENGINEER PRIOR TO SEEDING.
5. WHEN SEEDING OUT OF SEASON APPLICATION RATE SHALL BE INCREASED BY 50%.

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	3	67
	PROJECT FILE NO. 608616		

GENERAL NOTES

SURVEY NOTES:

1. THE EXISTING CONDITIONS SHOWN ON THESE PLANS CONSIST OF AN ON-THE-GROUND INSTRUMENT SURVEY AND LASER SCANNING PERFORMED BY NITSCH ENGINEERING IN JUNE OF 2017, FIELD BOOK 8701.

2. COORDINATES SHOWN HEREON ARE RESULTANT FROM GPS OBSERVATIONS, CONVENTIONAL TOTAL STATION TRAVERSING AND DIFFERENTIAL LEVELING AND ARE RELATED TO THE NORTH AMERICAN DATUM OF 1983 – NAD 83(2011), SPC 83 – MASSACHUSETTS (MAINLAND ZONE), EPOCH 2010.00. SOURCE CONTROL POINTS' COORDINATES, ELEVATIONS AND COMBINED SCALE FACTOR WERE ESTABLISHED BY MASS DOT GEODETIC SURVEY AND ARE LISTED BELOW:

POINT ID	NORTHING	EASTING	ELEVATION	COMBINED GROUND TO GRID S.F.
1929	2809173.490	763876.317	68.392	0.999974885418519
1930	2808691.499	763842.202	66.414	0.999975078921141

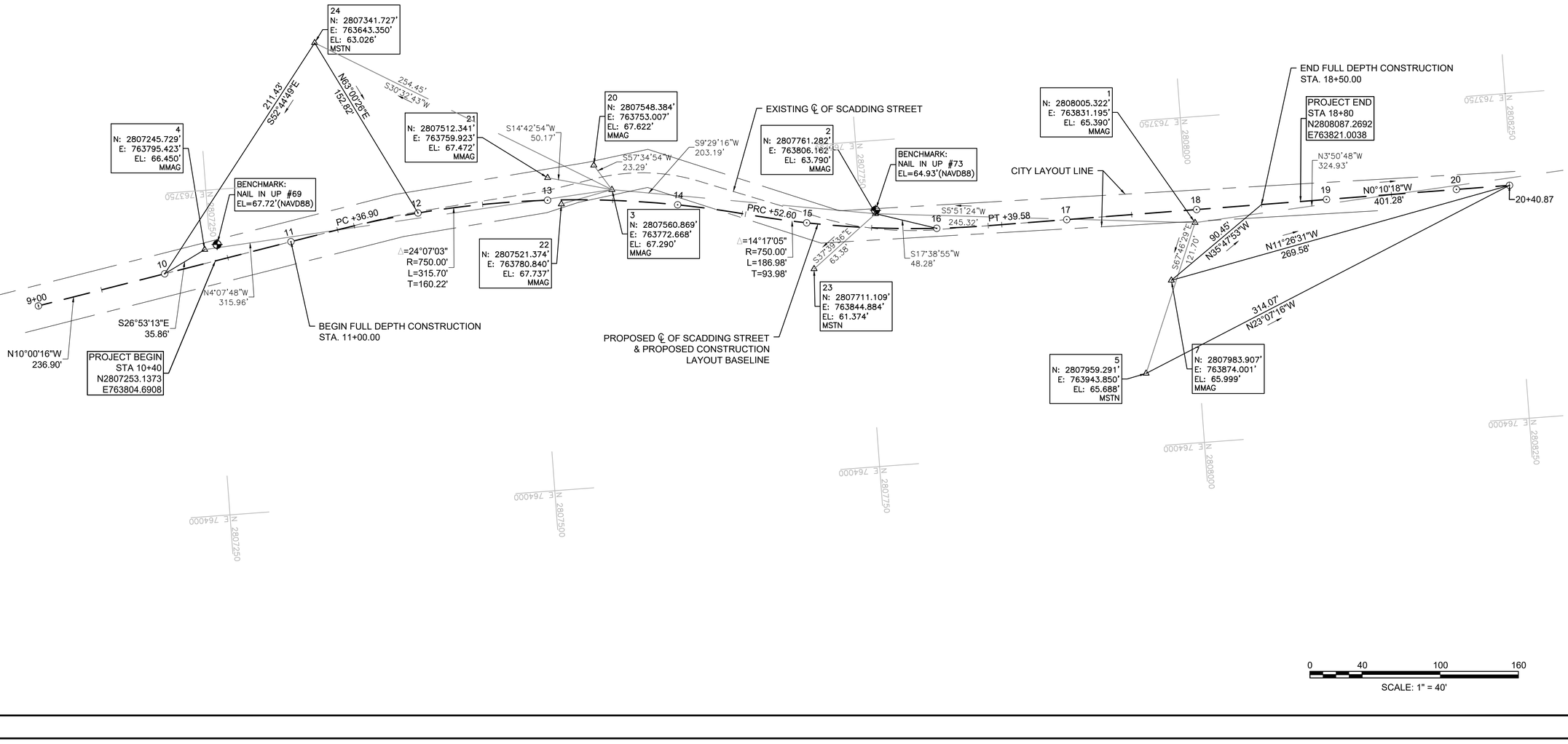
3. ELEVATIONS SHOWN HEREON ARE RESULTANT FROM GPS OBSERVATIONS, CONVENTIONAL TOTAL STATION TRAVERSING AND DIFFERENTIAL LEVELING AND ARE RELATED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) – GEOID 12B AND SOURCE CONTROL POINTS' ELEVATIONS AND COMBINED SCALE FACTOR AND ARE REFERENCED FROM MASS DOT BENCHMARK 6813.

4. DIVISIONS OF PRIVATE OWNERSHIPS ARE COMPILED FROM DEEDS, RECORD PLANS AND ASSESSOR'S MAPS.

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	4	67
PROJECT FILE NO.	608616		

SURVEY CONTROL PLAN



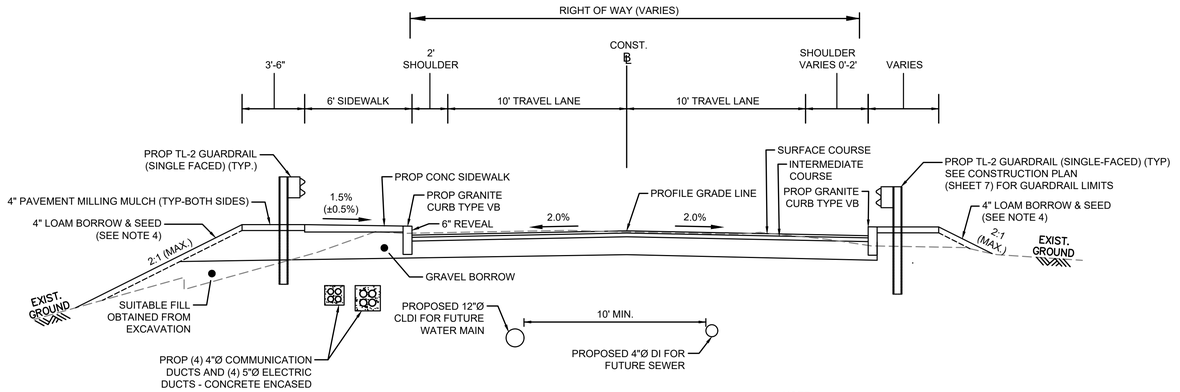
608616_HD4 - SURVEY CONTROL PLAN.DWG Plotted on 18-Jun-2025 9:29 AM

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	5	67
PROJECT FILE NO.	608616		

TYPICAL SECTIONS
1 OF 2

TEMP. EASE. 14' TO 32' FROM LO
PERM. EASE. 12' TO 28' FROM LO'
TEMP. EASE. 6' TO 14' FROM LO



SCADDING STREET
STA 11+00 TO STA 11+62
SCALE: 1"=4'

NOTE:
1. BEGIN SIDEWALK AND GRANITE CURB AT STATION 10+78 LT.
2. BEGIN GRANITE CURB AT STA 11+40 RT

PAVEMENT & MATERIAL NOTES

PROPOSED FULL-DEPTH PAVEMENT

SURFACE: 1 1/2 INCHES SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5) OVER

INTERMEDIATE: 2 1/2 INCHES SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC-19.0) OVER

BASE: 12 INCHES GRAVEL BORROW TYPE "B" OR RECLAIMED PAVEMENT BORROW

PROPOSED MICROMILLING & OVERLAY

MILLING: 1 1/2 INCHES PAVEMENT MICROMILLING

SURFACE: 1 1/2 INCHES SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5)

PROPOSED CONCRETE SIDEWALK

SURFACE: 4 INCHES CEMENT CONCRETE 4000 PSI, 3/4", 610 (AIR ENTRAINED)

BASE: 8 INCHES GRAVEL BORROW TYPE "B"

PROPOSED HOT MIX ASPHALT DRIVEWAY

SURFACE: 1 1/2 INCHES HOT MIX ASPHALT SURFACE COURSE

INTERMEDIATE: 2 1/2 INCHES HOT MIX ASPHALT BINDER COURSE

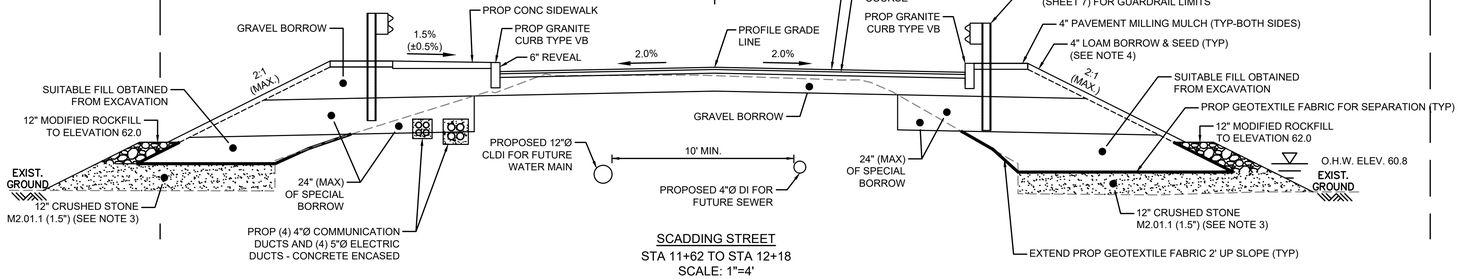
BASE: 8 INCHES GRAVEL BORROW TYPE "B"

PROPOSED BRIDGE PAVEMENT

SURFACE: 1 1/2 INCHES SUPERPAVE BRIDGE COURSE 9.5 (SSC-B-9.5) OVER
1 1/2 INCHES SUPERPAVE BRIDGE PROTECTIVE COURSE 9.5 (SPC-B-9.5) OVER
SPRAY APPLIED MEMBRANE WATERPROOFING

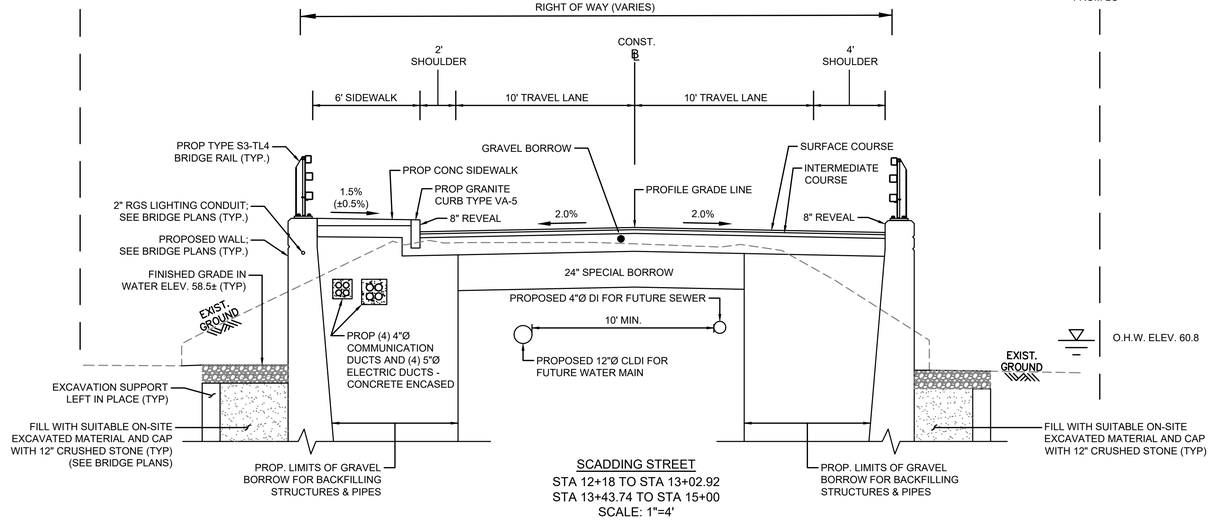
NOTES:
1. ALL VEGETATION AND UNSUITABLE MATERIAL SHALL BE REMOVED PRIOR TO PLACING NEW EMBANKMENT.
2. EMBANKMENT IS ASSUMED TO BE PLACED IN THE WET. IF CONTRACTOR CHOOSES TO PLACE IN THE DRY, DEWATERING METHODS SHALL BE APPROVED BY THE ENGINEER PRIOR TO START OF WORK AND ALL MATERIALS AND LABOR COST FOR THE DEWATERING SHALL BE PROVIDED AT CONTRACTOR'S EXPENSE.
3. CRUSHED STONE SHALL BE THOROUGHLY WASHED PRIOR TO INSTALLATION IN THE WATER TO MINIMIZE TURBIDITY.
4. USE SEED MIX M6.03.0-1 ON DISTURBED AREAS SOUTH OF STA 11+28 RT AND LT AND NORTH OF STA 17+35 RT. USE SEED MIX AS SPECIFIED IN SECTION 765.442 FOR ALL OTHER DISTURBED AREAS. SEE APPLICATION NOTES ON SHEET 3.

TEMP. EASE. 27' TO 32' FROM LO
PERM. EASE. 7' TO 14' FROM LO'
PERM. EASE. 0' TO 9' FROM LO'
TEMP. EASE. 14' TO 23' FROM LO

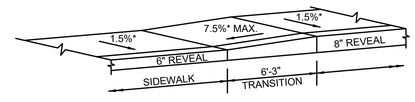


SCADDING STREET
STA 11+62 TO STA 12+18
SCALE: 1"=4'

TEMP. EASE. 5' TO 27' FROM LO
PERM. EASE. 0' TO 14' FROM LO'
PERM. EASE. 9' TO 37' FROM LO'
TEMP. EASE. 23' TO 37' FROM LO



SCADDING STREET
STA 12+18 TO STA 13+02.92
STA 13+43.74 TO STA 15+00
SCALE: 1"=4'



NOTES:
1. LOCATION OF CURB REVEAL TRANSITION TO ALIGN WITH END OF GUARDRAIL TRANSITION BEAM PER MASSDOT CONSTRUCTION STANDARD DETAIL 400.3.5.
2. *: CONSTRUCTION TOLERANCE OF ±0.5%

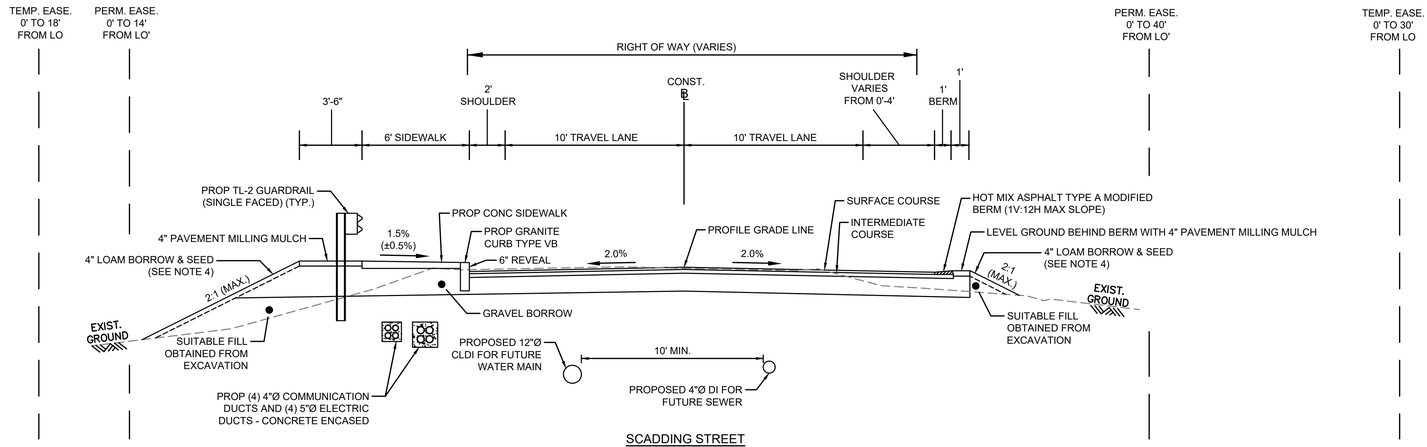
CURB TRANSITION APPROACH TO RETAINING WALL DETAIL
NOT TO SCALE

0 4 8 12 16
SCALE: 1" = 4'

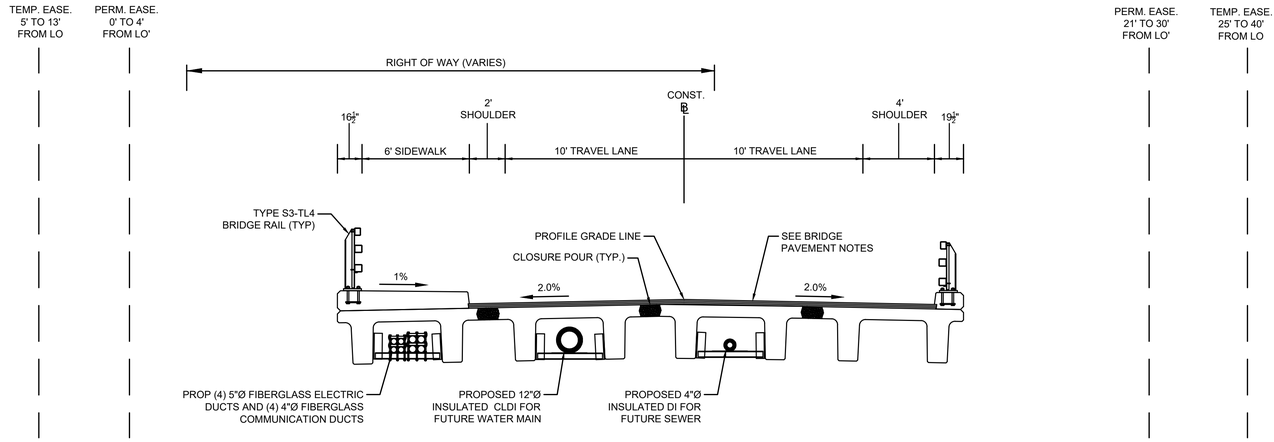
TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	6	67
PROJECT FILE NO.	608616		

TYPICAL SECTIONS
2 OF 2



SCADDING STREET
STA 15+00 TO STA 18+50
SCALE: 1"=4'



SCADDING STREET - BRIDGE SECTION
STA 13+02.92 TO STA 13+43.74
SCALE: 1"=4'

0 4 8 12 16
SCALE: 1" = 4'

TRAFFIC SIGNAL CONDUIT	WATER SUPPLY DETAILS	DRAINAGE DETAILS
NONE	UTILITY PLAN, SEE SHEET 14, 15	UTILITY PLAN, SEE SHEET 14, 15

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	7	67
PROJECT FILE NO.	608616		

CONSTRUCTION PLAN

608616_HD687 - CONSTRUCTION PLAN & PROFILE.DWG Plotted on 18-Jun-2025 9:29 AM

N

SCADDING STREET
N/F
MICHAEL & MICHELE CORNAGLIA
BOOK 25594, PAGE 37
PARCEL 20_43

260 SCADDING STREET
N/F
MANUEL & CAROL PACHECO
BOOK 14821
PAGE 204
PARCEL 20_44

PROPOSED SEDIMENTATION CONTROL BARRIER (TYP)
PROP DRAINAGE EASEMENT
PROP VEGETATED SWALE
PROP TEMP EASEMENT
REM (2)
R&D EX BIT PVMT (TYP)
PROP CITY LAYOUT
PROPOSED HOT MIX ASPHALT DRIVEWAY APRON
BEGIN FULL DEPTH CONSTRUCTION END MICROMILL & OVERLAY STA. 11+00.00
R&D EXISTING GUARDRAIL
PROP GRANITE CURB
PROP CONC SW (TYP)
TRANSITION 6" TO 8" CURB REVEAL
LIMIT OF GRADING (TYP)
PROP PERM UTILITY EASEMENT
LIMIT OF WORK BEGIN MICROMILLING & OVERLAY STA. 10+40.00 N 2807253.1373 E 763804.6908
PROP PEDESTRIAN CURB RAMP (PCR)
REM
PC +36.90
RETAIN (3)
SAWCUT BIT PVMT
TEMP TREE PROTECTION FENCE (TYP)
PROPOSED PAVEMENT MILLING MULCH
BEGIN PROP GRANITE CURB (TYPE VB) STA 11+40
CITY LAYOUT LINE OF 1852
LIMIT OF MICROMILL & OVERLAY
N 10° 00' 16" W 236.90'
CAUTION NARROW BRIDGE
PROP TEMPORARY FLOATING TURBIDITY BARRIER
EXISTING ℄ OF SCADDING STREET
PROP CITY LAYOUT
PROP TEMPORARY FLOATING TURBIDITY BARRIER
RIPRAP (SEE BRIDGE PLANS)
PROP BRIDGE NO. T-01-024
△=24°07'03" R=750.00' L=315.70' T=160.22'
BRIDGE NO. T-01-024
R&D EXISTING GUARDRAIL
EDGE OF EXISTING FOUNDATION (TYP)
PROP CITY LAYOUT
PROP TEMP EASEMENT
PROP TEMPORARY FLOATING TURBIDITY BARRIER (TYP)
PROP ENDPOST (TYP) (SEE BRIDGE PLANS)
6'-3" CURB TRANSITION PIECE; TRANSITION TO GRANITE CURB TYPE VA5
SNAKE RIVER FLOW
PROPOSED EXCAVATION SUPPORT (SEE BRIDGE PLANS)
257 SCADDING STREET
N/F
CORY REYNOLDS
BOOK 25914
PAGE 218
PARCEL 20_41
APPROXIMATE CENTERLINE RIVER
PROPOSED CONSTRUCTION BL
APPROX LIMIT OF MUCK
EXISTING EDGE OF PAVEMENT (TYP)
PROP WALL (TYP) (SEE BRIDGE PLANS)
PROP CITY LAYOUT
TRANSITION 6" TO 8" CURB REVEAL
MATCH LINE STA. 15+56
PRC +52.60
△=14°17'05" R=750.00' L=186.98' T=93.98'
APPROX LIMIT OF MUCK
PROP CITY LAYOUT
PROPOSED GRAVEL PULL-OFF (SEE SHEET 55)
PROP PAVEMENT MILLING MULCH ON PULL-OFF SHOULDER
PROP HOT MIX ASPHALT BERM TYPE A MODIFIED

HIGHWAY GUARD DETAILS (SEE NOTE 4)

STEEL W BEAM HWY GUARD TRAILING ANCHORAGE STA 11+55 LT
STEEL W BEAM HWY GUARD (SINGLE FACED/STEEL POSTS) STA 11+65 TO STA 11+90 LT
STEEL W BEAM HWY GUARD TRANSITION TO BRIDGE RAIL STA 11+90 TO 12+24 LT

STEEL W BEAM HWY GUARD TO TRANSITION TO BRIDGE RAIL STA 14+95 TO STA 15+29 LT
STEEL W BEAM HWY GUARD (SINGLE FACED/STEEL POSTS) STA 15+29 TO 18+04 LT
STEEL W BEAM HWY GUARD TANGENT END STA 18+04 LT TO STA 18+34 LT

STEEL W BEAM TANGENT END STA 11+08 RT
STEEL W BEAM HWY GUARD (SINGLE FACED/STEEL POSTS) STA 11+34 TO 11+90 RT
STEEL W BEAM HWY GUARD TO TRANSITION TO BRIDGE RAIL STA 11+90 TO STA 12+24 RT

NOTES:

1. FOR PROFILE, SEE SHEETS 8 - 9.
2. TEMPORARY FLOATING TURBIDITY BARRIER SHALL BE APPROVED BY THE ENGINEER AND INSTALLED PRIOR TO ANY WORK IN THE WATER.
3. ALL GUARDRAIL TO BE TYPE TL-2.
4. ALL GRANITE CURB TO BE TYPE VB EXCEPT FOR CURB WITH 8" REVEAL AT BRIDGE APPROACHES WHICH WILL BE TYPE VA-5.
5. SEE SHEET 56 FOR PROPOSED CONCRETE BOUND LOCATIONS.

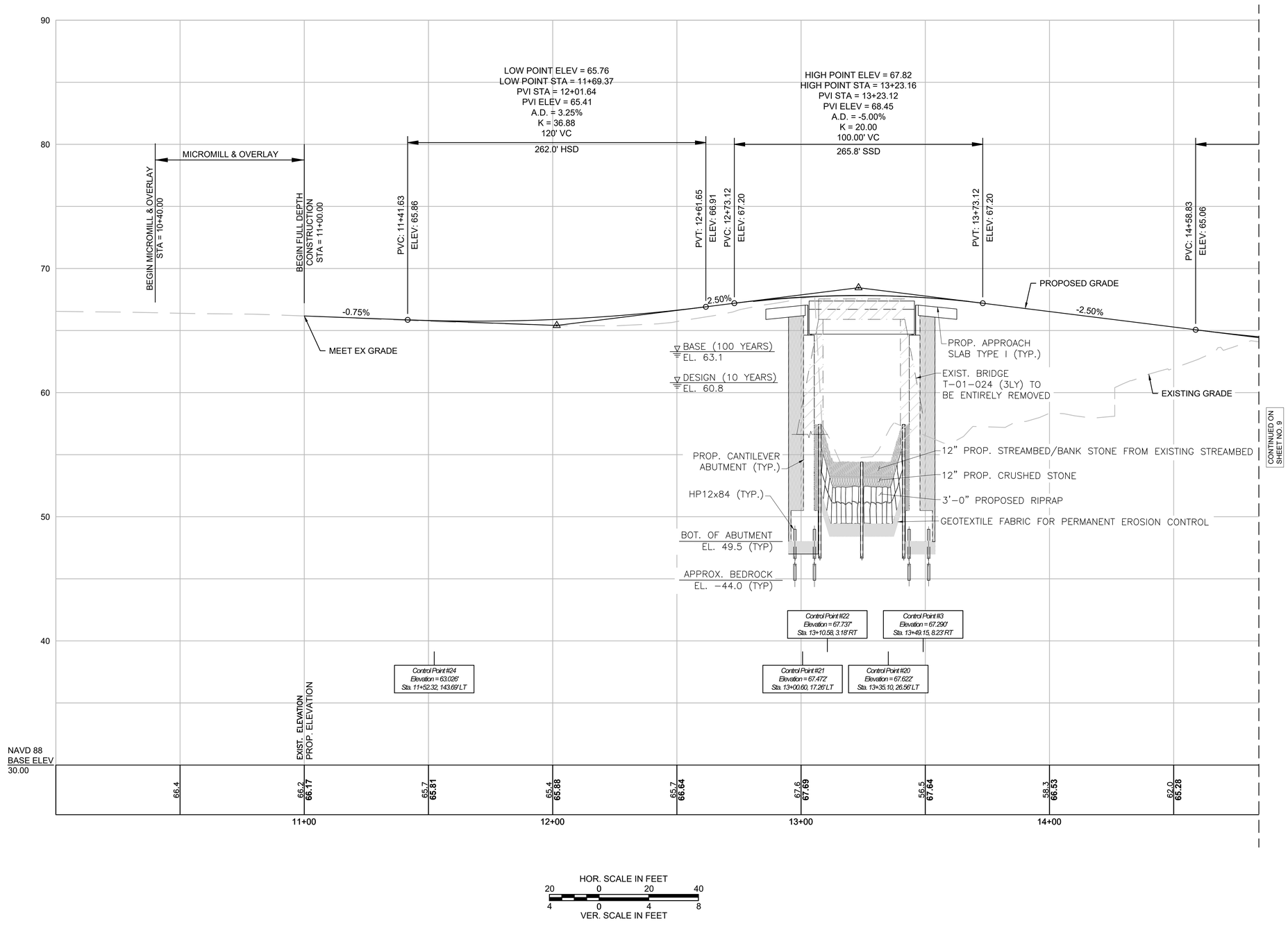
STOCKPILE AND RESPREAD GRAVEL TO NEW EDGE OF ROAD AND AS DIRECTED
PROP TEMPORARY FLOATING TURBIDITY BARRIER
PROP TEMPORARY EASEMENT
PROP EDGE OF PAVEMENT
PROP PAVEMENT MILLING MULCH
CITY LAYOUT LINE OF 1894
MATCH LINE STA. 15+56
PROP GRANITE CURB TYPE VB
PROP CONC SW
PROP CITY LAYOUT
PROP PEDESTRIAN CURB RAMP (PCR)
PROP TEMPORARY EASEMENT
LIMIT OF WORK END MICROMILLING & OVERLAY STA. 18+80.00 N 2808087.2692 E 763821.0038
PROJECT END STA 18+80 N2808087.2692 E763821.0038
PROP PERMANENT UTILITY EASEMENT
R&D EX GUARDRAIL
PROP PERMANENT UTILITY EASEMENT
1852 CITY LAYOUT
R&D EX CLF
PT +39.58
N 0° 10' 18" W 401.28'
SAWCUT BIT PVMT
PROP SEDIMENTATION CONTROL BARRIER (TYP)
PROP HOT MIX ASPHALT BERM TYPE A MODIFIED
PROPOSED HOT MIX ASPHALT BERM TYPE A MODIFIED
PROP TEMP EASEMENT
PROP PAVEMENT MILLING MULCH
PROP TEMP EASEMENT FOR WETLAND REPLICATION
PROP DRAINAGE EASEMENT
PROP WETLAND REPLICATION AREA (SEE SHEET 16)
RETAIN TREES (2) AND SHRUBS (3)
R&S VINYL FENCE FOR TEMP UTILITY INSTALLATION
PROP CITY LAYOUT
R&R MAILBOX AND POST FOR TEMP UTILITY INSTALLATION
PROPOSED HOT MIX ASPHALT DRIVEWAY APRON
BEGIN MICROMILL & OVERLAY END FULL DEPTH CONSTRUCTION STA. 18+50
PROP PAVEMENT MILLING MULCH
SAWCUT BIT PVMT
300 SCADDING STREET
N/F
ELLEN M. RUSSELL LIVING TRUST
BOOK 24352 PAGE 155
PARCEL 15_100
293 SCADDING STREET
N/F
CHARLES J. JOLIN & COLLEEN BOYLE JOLIN
REGISTERED LAND
DOCUMENT #87162
PARCEL 15_98
PROXIMATE LOCATION OF PRIVATE TIC SYSTEM AND RESERVE AREA PER AS-BUILT PLAN PROVIDED THE TAUNTON BOARD OF HEALTH.

0 20 50 100
SCALE: 1" = 20'

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	8	67
	PROJECT FILE NO. 608616		

PROFILE
(SHEET 1 OF 2)



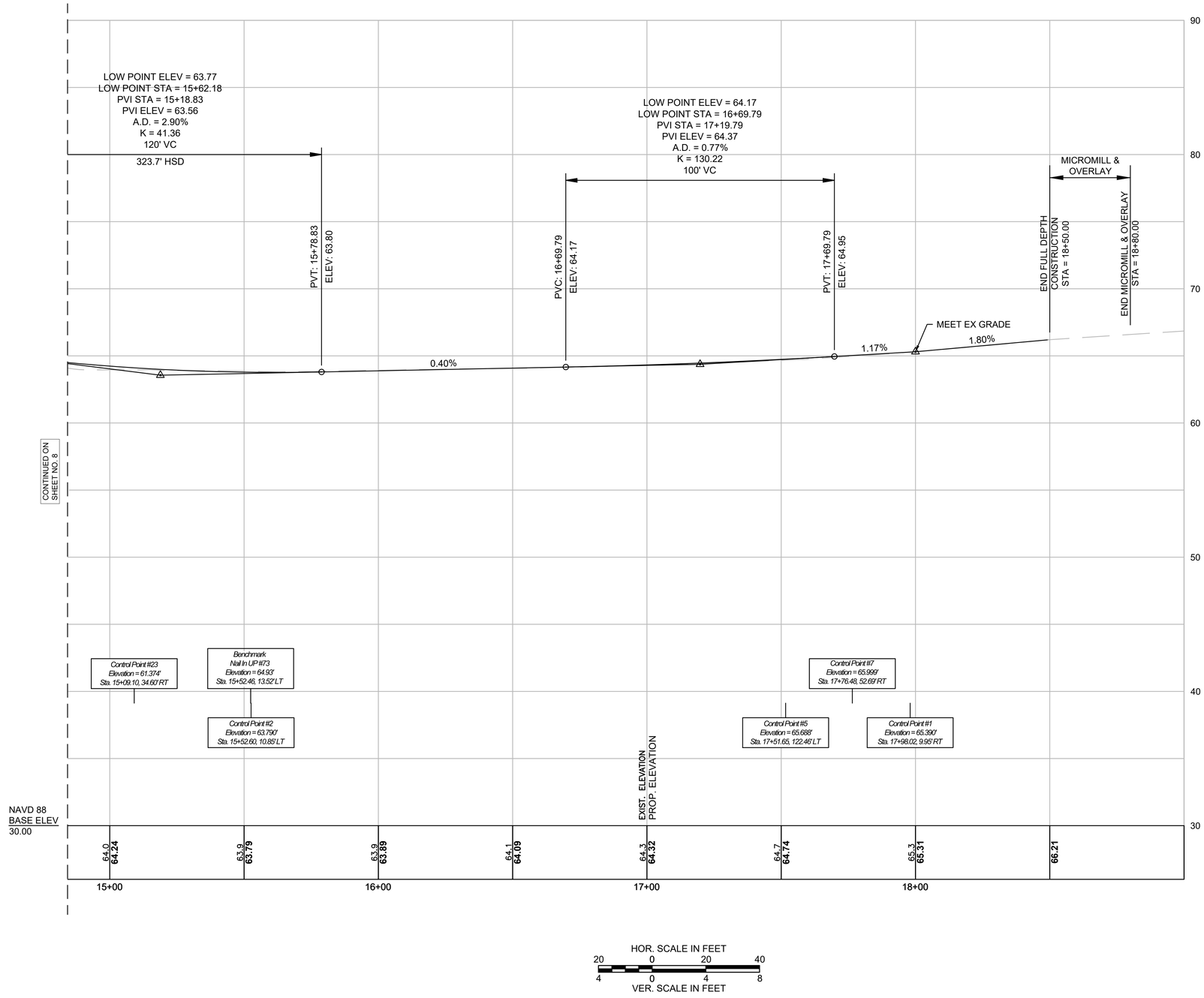
HOR. SCALE IN FEET
20 0 20 40
VER. SCALE IN FEET
4 0 4 8

FOR CONSTRUCTION PLAN, SEE SHEET 7.

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	9	67
PROJECT FILE NO.	608616		

PROFILE
(SHEET 2 OF 2)

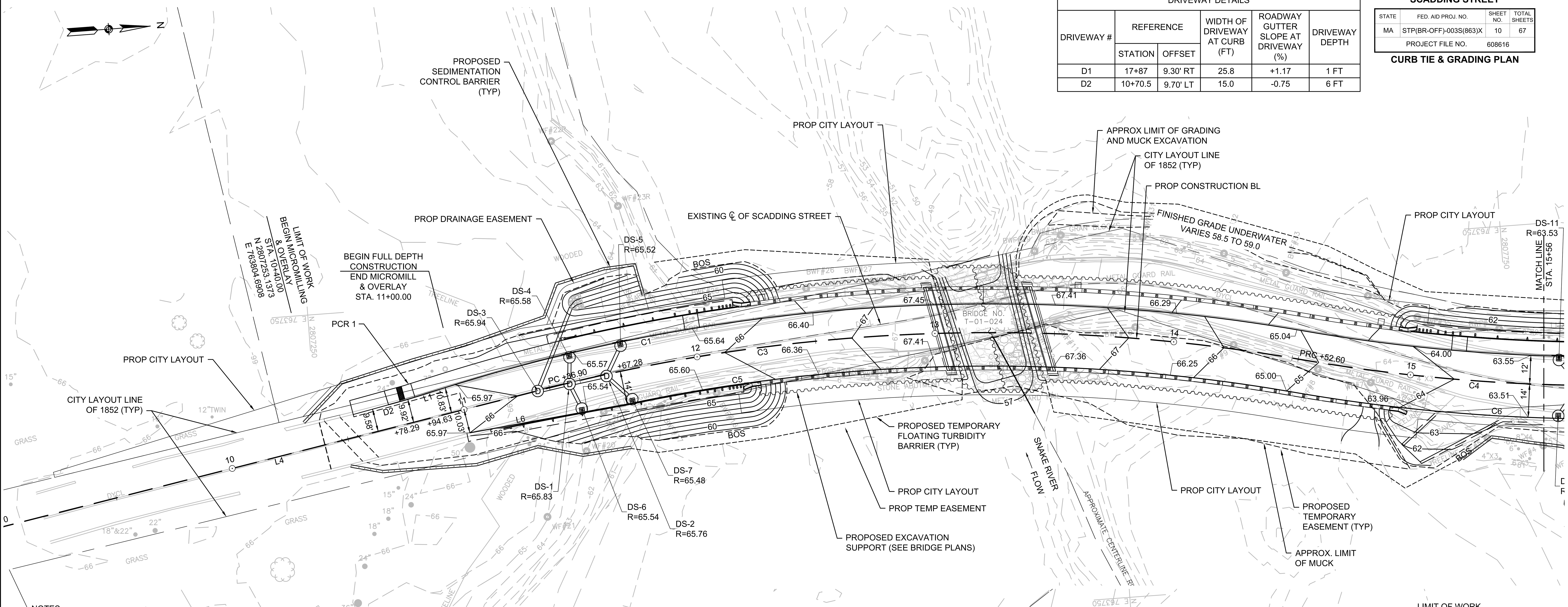


HOR. SCALE IN FEET
20 0 20 40
4 0 4 8
VER. SCALE IN FEET

FOR CONSTRUCTION PLAN, SEE SHEET 7.

608616_HD687 - CONSTRUCTION PLAN & PROFILE.DWG Plotted on 18-Jun-2025 9:29 AM

DRIVEWAY DETAILS					
DRIVEWAY #	REFERENCE		WIDTH OF DRIVEWAY AT CURB (FT)	ROADWAY GUTTER SLOPE AT DRIVEWAY (%)	DRIVEWAY DEPTH
	STATION	OFFSET			
D1	17+87	9.30' RT	25.8	+1.17	1 FT
D2	10+70.5	9.70' LT	15.0	-0.75	6 FT



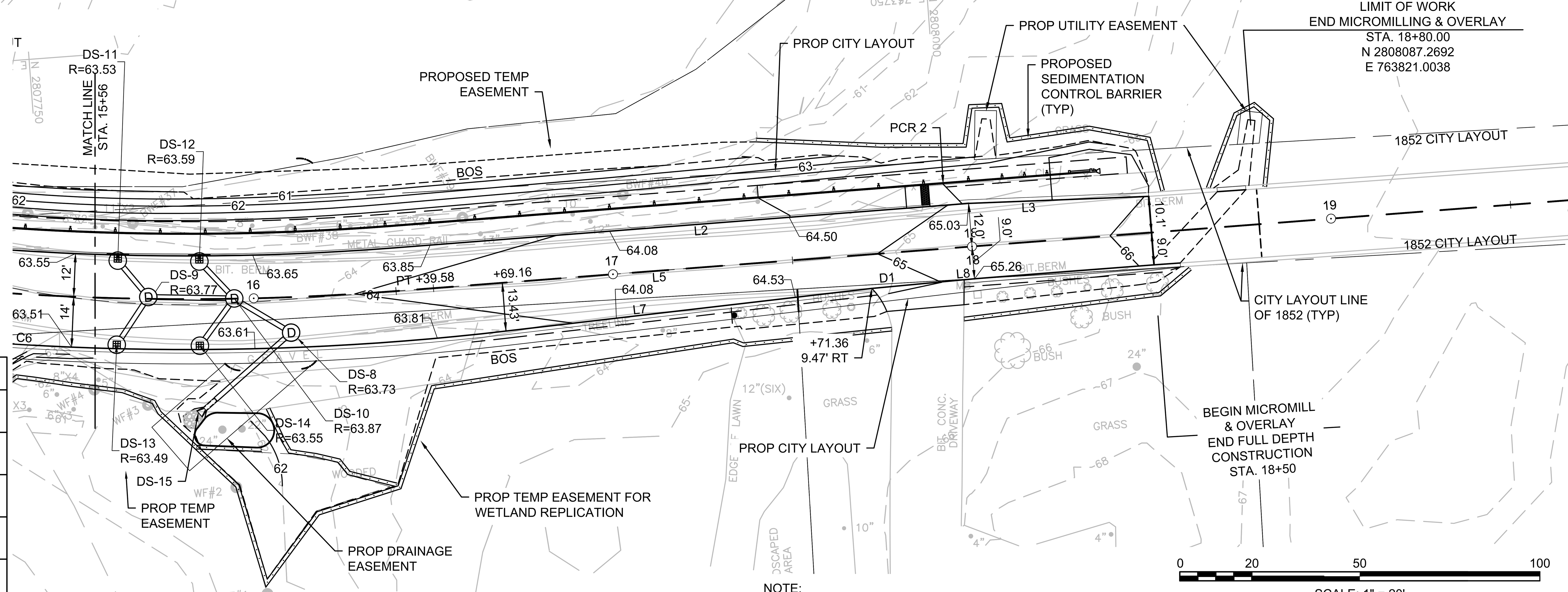
NOTES:

1. EXCAVATION OF MATERIAL FROM UNDERWATER ON WEST SIDE OF ROAD WILL BE PAID AS ITEM 123., MUCK EXCAVATION.

CURVE TABLE				
CURVE #	DELTA	RADIUS	LENGTH	TANGENT
C1	27°17'49"	762.00	363.03	185.030
C5	21°47'47"	736.00	279.99	141.707
C6	7°26'29"	764.00	99.22	49.682

LINE TABLE		
LINE #	DIRECTION	LENGTH
L1	N13°11'02"W	16.69
L2	N0°10'18"W	160.42
L3	N2°01'31"E	50.04
L6	S6°04'56"E	66.86
L7	S2°23'26"E	102.28

PROPOSED CONSTRUCTION BASELINE DATA									
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L4	9+00.00	2807115.262	763829.013		N10°00'16"W 236.90'	11+36.90	2807348.560	763787.857
C3	11+36.90	2807348.560	763787.857	R=750.00' Δ=24°07'03" L=315.70' T=160.22'		14+52.60	2807661.731	763799.090
C4	14+52.60	2807661.731	763799.090	R=750.00' Δ=14°17'05" L=186.98' T=93.98'		16+39.58	2807846.853	763821.724
L5	16+39.58	2807846.853	763821.724		N0°10'18"W 401.29'	20+40.87	2808248.134	763820.522



0 20 50 100
SCALE: 1" = 20'

NOTE:
FOR PEDESTRIAN CURB RAMP (PCR) DETAILS, SEE SHEET 56.

608616_HD8 - CURB TIE & GRADING PLAN.DWG
Plotted on 18-Jun-2025 9:28 AM

TAUNTON
SCADDING STREET

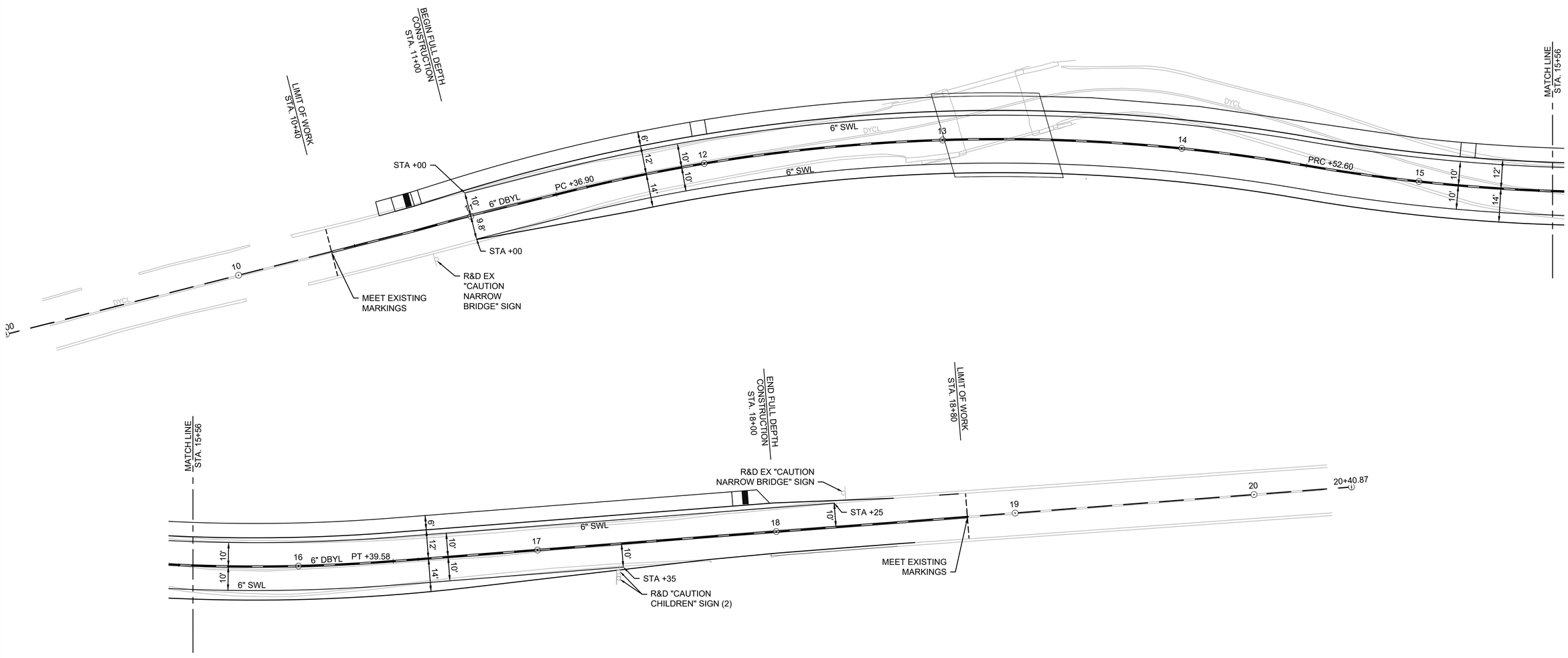
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	11	67
	PROJECT FILE NO. 608616		

SIGN & PAVEMENT MARKINGS PLAN

EXISTING TRAFFIC SIGN LEGEND

R&D (2) EXISTING SIGNS

R&D (2) EXISTING SIGN



TRAFFIC SIGN AND PAVEMENT MARKINGS NOTES

1. ALL EXISTING SIGNS AND SIGN POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF EXCEPT AS NOTED.
2. ALL PROPOSED PAVEMENT MARKINGS WITHIN THE LIMITS OF WORK SHALL BE THERMOPLASTIC. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED MARKINGS SHALL BE REMOVED.
3. ALL PROPOSED SIGN POSTS SHALL BE P-5 TYPE (TELESCOPE POST) UNLESS NOTED OTHERWISE.
4. PROPOSED PAVEMENT MARKINGS (LEGEND & ARROWS) SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF MUTCD & MASSDOT STANDARD DRAWINGS.
5. ALL PROPOSED SIGNS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MUTCD AND MASSDOT STANDARDS.
6. EXACT LOCATIONS OF PROPOSED SIGNS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
7. ALL SIGN PANELS SHALL BE 90° TO THE CURB AND FACING THE FLOW OF TRAFFIC EXCEPT PARKING REGULATION SIGNS.
8. SIGNS TO BE MOUNTED NEAR THE CURB LINE SHALL BE SET BACK 12" FROM THE EDGE OF THE SIGN PANEL TO THE CURB LINE. NO SIGN SHALL OVERHANG THE CURB LINE.
9. ALL SIGNS SHALL BE MOUNTED TO PROVIDE 7' MINIMUM CLEARANCE BETWEEN THE BOTTOM OF THE SIGN AND FINISH GRADE EXCEPT OBJECT MARKER SIGNS.

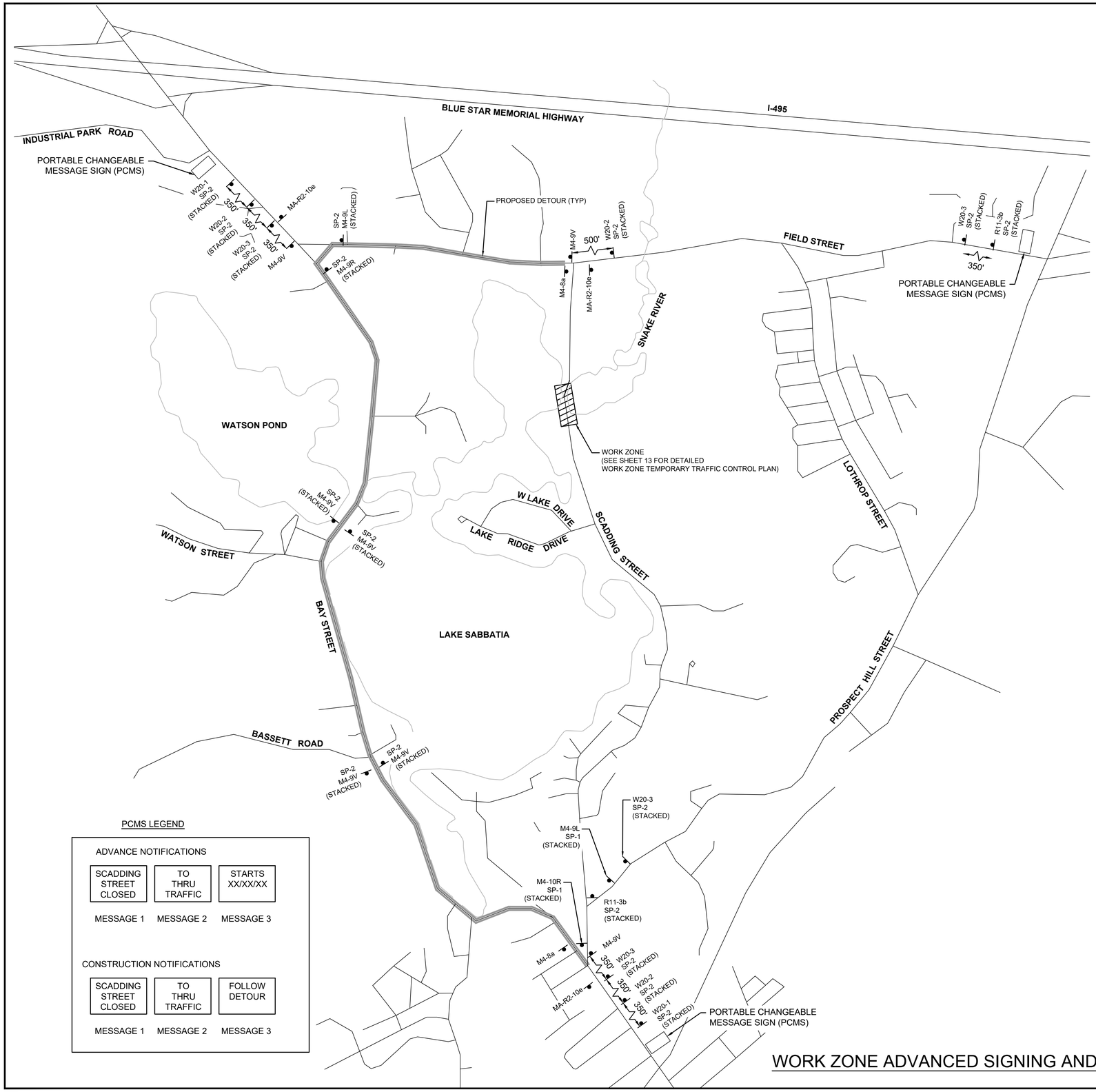
NOTE:
FOR PEDESTRIAN CURB RAMP (PCR) DETAILS, SEE SHEET 56.

0 20 50 100
SCALE: 1" = 20'

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	12	67
	PROJECT FILE NO. 608616		

TEMPORARY TRAFFIC CONTROL PLAN (SHEET 1 OF 2)



PCMS LEGEND

ADVANCE NOTIFICATIONS

SCADDING STREET CLOSED	TO THRU TRAFFIC	STARTS XX/XX/XX
MESSAGE 1	MESSAGE 2	MESSAGE 3

CONSTRUCTION NOTIFICATIONS

SCADDING STREET CLOSED	TO THRU TRAFFIC	FOLLOW DETOUR
MESSAGE 1	MESSAGE 2	MESSAGE 3

TEMPORARY TRAFFIC CONTROL 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 AND MASSDOT AMENDMENTS AS WELL AS THE LATEST EDITION OF THE MASSDOT STANDARD SIGNS MANUAL (UNLESS SUPERCEDED BY THESE PLANS).
2. ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
3. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
4. 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.
5. SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN NCHRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES" AND/OR "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH).
6. CONTRACTORS SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS CONDUIT INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT, AND SIMILAR OPERATIONS.
7. THE FIRST TEN (10) PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH SEQUENTIAL FLASHING LIGHTS.
8. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
9. MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
10. MINIMUM LANE WIDTH IS TO BE 11 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
11. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS UNLESS NOTED.
12. ALL CHANNELIZING DEVICES (INCLUDING DRUMS/CONES) SHALL BE A MINIMUM HEIGHT OF 36".
13. MAINTAIN ACCESS TO ALL PROPERTIES THAT ABUT THE WORK ZONE UNLESS TEMPORARY CLOSURE IS REQUIRED. SEE NOTE 6 FOR TEMPORARY CLOSURE REQUIREMENTS.

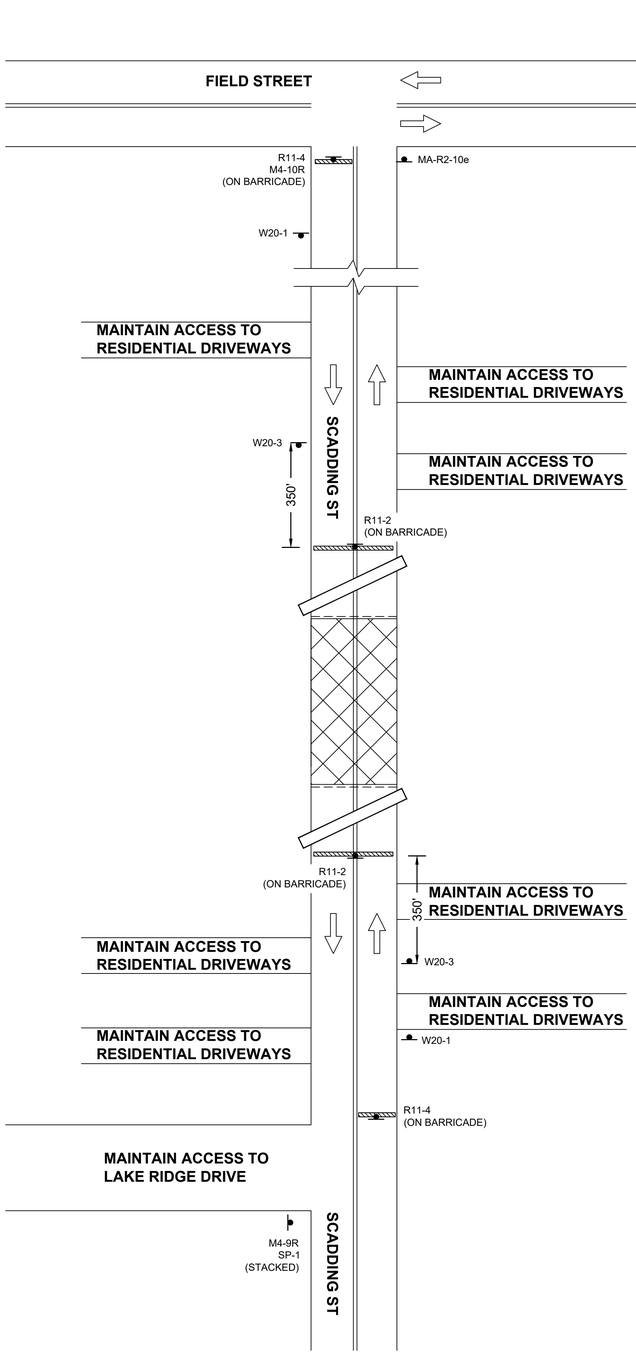
WORK ZONE ADVANCED SIGNING AND DETOUR PLAN

0 600 1200 1800 2400
SCALE: 1" = 600'

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	13	67
	PROJECT FILE NO. 608616		

TEMPORARY TRAFFIC CONTROL PLAN
(SHEET 2 OF 2)



DETAILED WORK ZONE TRAFFIC MANAGEMENT PLAN
NOT TO SCALE

N

LEGEND

- CONSTRUCTION SIGN
- TYPE III PORTABLE BREAKAWAY BARRICADE
- DIRECTION OF TRAFFIC
- WORK ZONE
- TEMPORARY CONCRETE BARRIER, TL-2
- TEMPORARY CHAIN LINK FENCE

CONSTRUCTION SIGN SUMMARY

I.D. #	WIDTH (INCHES) WIDTH	WIDTH (INCHES) HEIGHT	TEXT	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	TEXT DIMENSIONS (INCHES) VERT. SPACING	TEXT DIMENSIONS (INCHES) ARROW RTE. MKR.	# SIGNS REQ'D	COLOR BACK-GROUND	COLOR TEXT	COLOR BORDER	POST SIZE & # REQ'D	UNIT AREA (SQ. FT.)	AREA (SQ. FT.)
W20-1	36 x 36		ROAD WORK AHEAD				4	ORANGE	BLACK	BLACK		9	36
W20-2	36 x 36		DETOUR AHEAD				3	ORANGE	BLACK	BLACK	(1) P5 POST PER SIGN	9	27
W20-3	36 x 36		ROAD CLOSED AHEAD				6	ORANGE	BLACK	BLACK		9	54
R11-2	48	30	ROAD CLOSED				2	WHITE	BLACK	BLACK	TYPE III BARRICADE	10	20
R11-3b	60	30	BRIDGE OUT 1 MILE AHEAD LOCAL TRAFFIC ONLY				2	WHITE	BLACK	BLACK	(1) P5 POST PER SIGN	12.5	25
R11-4	60	30	ROAD CLOSED TO THRU TRAFFIC				2	WHITE	BLACK	BLACK	TYPE III BARRICADE	12.5	25
M4-8a	24	18	END DETOUR				2	ORANGE	BLACK	BLACK		3	6
M4-9L	30	24	DETOUR				2	ORANGE	BLACK	BLACK		5	10
M4-9R	30	24	DETOUR				2	ORANGE	BLACK	BLACK		5	10
M4-9V	30	24	DETOUR				7	ORANGE	BLACK	BLACK		5	35
M4-10R	48	18	DETOUR				2	ORANGE	BLACK	BLACK	TYPE III BARRICADE	6	12
SP-1	30	12	TO FIELD ST				3	ORANGE	BLACK	BLACK	N/A (STACKED)	2.5	7
SP-2	30	12	SCADDING ST				17	ORANGE	BLACK	BLACK	N/A (STACKED)	2.5	42.5
MA-R2-10e	36	48	END ROAD WORK / DOUBLE FINES END				4	ORANGE	BLACK	BLACK		12	48

PER MUTCD

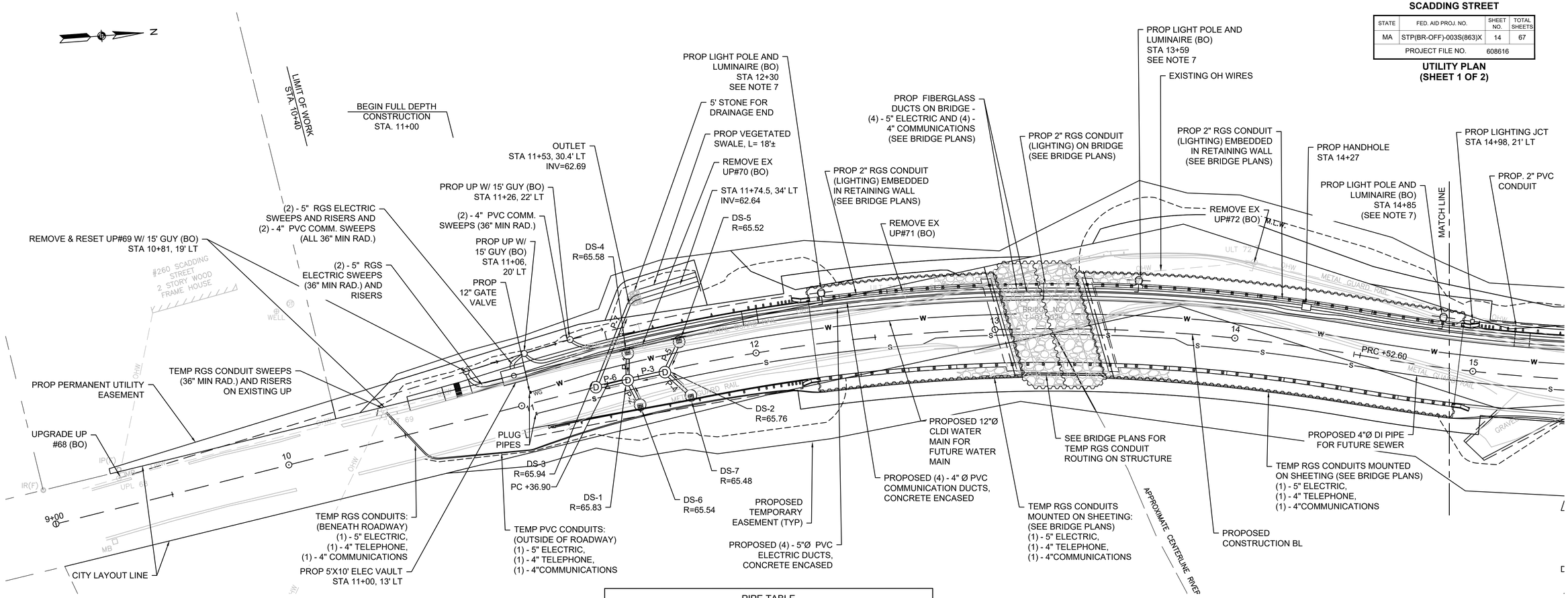
PER MASSDOT STANDARD SIGN BOOK

NOTE: BACKGROUNDS OF ALL TEMPORARY CONSTRUCTION SIGNS SHALL BE FLOURESCENT.

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	14	67
PROJECT FILE NO.	608616		

UTILITY PLAN
(SHEET 1 OF 2)



DRAINAGE STRUCTURE TABLE

NAME	STATION	OFFSET	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
DS-1 DMH	11+54.4	0.4' RT	R=65.83	I=62.90' (DS-4) I=62.90' (DS-2) I=62.90' (DS-6)	I=62.90' (DS-3)	CONCENTRIC CYLINDRICAL STRUCTURE
DS-2 DMH	11+61.3	0.7' RT	R=65.76	I=62.96' (DS-7) I=62.96' (DS-5)	I=62.96' (DS-1)	CONCENTRIC CYLINDRICAL STRUCTURE
DS-3 DMH	11+31.8	N/A	R=65.94	I=62.86' (DS-1)	I=62.86' (OUTLET)	CONCENTRIC CYLINDRICAL STRUCTURE
DS-4 CBCI	11+48.0	12.0' L	R=65.58		I=62.93' (DS-1)	ECCENTRIC STRUCTURE RECTANGULAR FRAME
DS-5 CBCI	11+69.4	12.0' L	R=65.52		I=63.00' (DS-2)	ECCENTRIC STRUCTURE RECTANGULAR FRAME
DS-6 CBCI	11+48.0	13.3' R	R=65.54		I=62.96' (DS-1)	ECCENTRIC STRUCTURE RECTANGULAR FRAME
DS-7 CBCI	11+69.4	14.0' R	R=65.48		I=63.00' (DS-2)	ECCENTRIC STRUCTURE RECTANGULAR FRAME
DS-8 DMH	16+10.0	10.0' RT	R=63.73	I=60.80' (DS-10)	I=60.80' (DS-15)	CONCENTRIC CYLINDRICAL STRUCTURE
DS-9 DMH	15+70.0	0.5' RT	R=63.77	I=60.95' (DS-11) I=60.95' (DS-13)	I=60.95' (DS-10)	CONCENTRIC CYLINDRICAL STRUCTURE
DS-10 DMH	15+94.6	N/A	R=63.87	I=60.86' (DS-9) I=60.86' (DS-12) I=60.86' (DS-14)	I=60.86' (DS-8)	CONCENTRIC CYLINDRICAL STRUCTURE
DS-11 CBCI	15+62.2	12.0' L	R=63.53		I=61.00' (DS-9)	ECCENTRIC STRUCTURE RECTANGULAR FRAME
DS-12 CBCI	15+85.0	12.0' L	R=63.59		I=60.91' (DS-10)	ECCENTRIC STRUCTURE RECTANGULAR FRAME
DS-13 CB	15+62.2	14.0' R	R=63.49		I=61.00' (DS-9)	CONCENTRIC STRUCTURE RECTANGULAR FRAME
DS-14 CB	15+85.0	14.0' R	R=63.55		I=60.91' (DS-10)	CONCENTRIC STRUCTURE RECTANGULAR FRAME
DS-15	15+84.8	31.8' R	N/A		I=60.68'	FLARED END SECTION

PIPE TABLE

PIPE	PIPE LOCATION	SIZE & TYPE	LENGTH	SLOPE
P-1	DS-1 TO DS-4	10" Ductile Iron	7 LF	0.023
P-2	DS-6 TO DS-1	10" Ductile Iron	8 LF	0.022
P-3	DS-1 TO DS-2	12" Reinforced Concrete - Class V	12 LF	0.009
P-4	DS-7 TO DS-2	10" Ductile Iron	8 LF	0.012
P-5	DS-2 TO DS-5	10" Ductile Iron	8 LF	0.013
P-6	DS-3 TO DS-1	12" Reinforced Concrete - Class V	8 LF	0.013
P-7	DS-3 TO OUTLET	12" Ductile Iron	35 LF	0.005
P-8	DS-11 TO DS-9	10" Ductile Iron	8 LF	0.005
P-9	DS-12 TO DS-10	10" Ductile Iron	9 LF	0.005
P-10	DS-10 TO DS-9	12" Reinforced Concrete - Class V	18 LF	0.005
P-11	DS-13 TO DS-9	10" Ductile Iron	10 LF	0.005
P-12	DS-14 TO DS-10	10" Ductile iron	14 LF	0.005
P-13	DS-10 TO DS-8	12" Reinforced Concrete - Class V	10 LF	0.005
P-14	DS-15 TO DS-8	12" Reinforced Concrete - Class V	20 LF	0.005

DRAINAGE AND UTILITY NOTES:

SEE DRAINAGE AND UTILITY NOTES ON NEXT SHEET.

UTILITY	EXISTING	PROPOSED
ELECTRIC/COMM/CATV/OHW	OHW	
UNDERGROUND DUCT BANK - ELECTRIC		
UNDERGROUND DUCT BANK - COMM/CATV		
POTABLE WATER		W
SEWER		S
DRAINAGE		
UTILITY POLE		
UTILITY POLE WITH 1 LIGHT (ULT)		

0 20 50 100

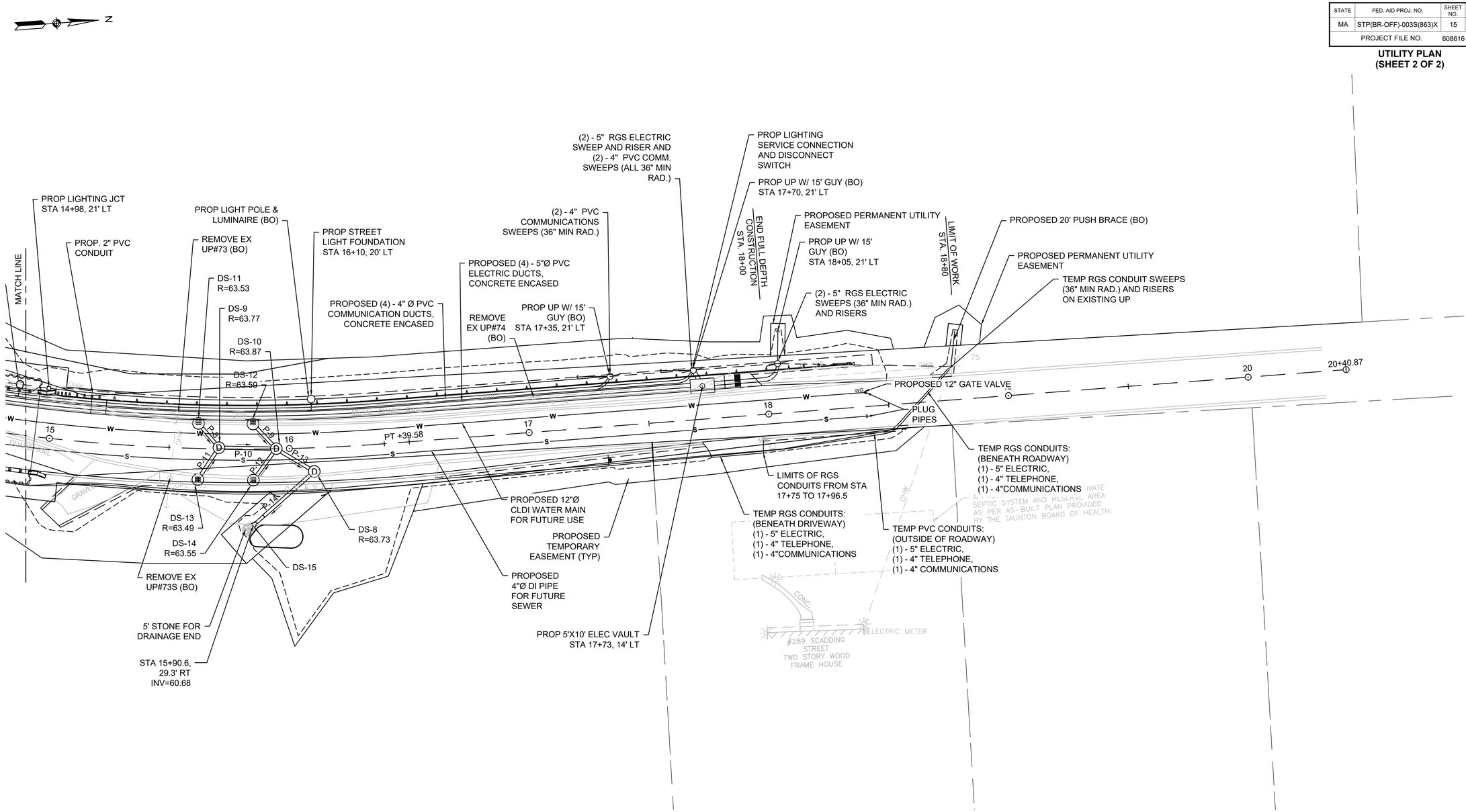
SCALE: 1" = 20'

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	15	67
	PROJECT FILE NO. 608616		

UTILITY PLAN
(SHEET 2 OF 2)

608616_HD12 - UTILITY PLAN (COLOR).DWG Plotted on 18-Jun-2025 9:28 AM

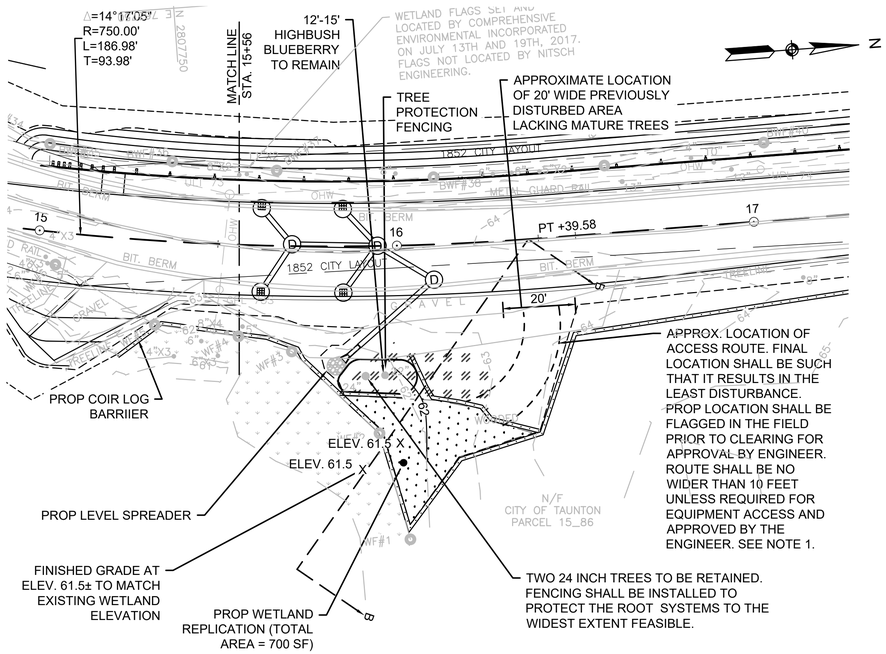


DRAINAGE AND UTILITY NOTES:

1. ALL DRAINAGE MANHOLES AND CATCH BASINS SHALL BE 4' Ø.
2. ALL CATCH BASINS SHALL HAVE 4' SUMPS.
3. DS-15 IS AN RCP FLARED END SECTION. OFFSET DIMENSION IS TO OUTLET OF FLARED END.
4. CATCH BASIN OFFSETS ARE MEASURED FROM PROPOSED BASELINE TO THE CENTER OF THE BACK OF THE GRATE.
5. OFFSET ECCENTRIC CATCH BASINS INTO THE TRAVELWAY.
6. ALL ELECTRICAL AND COMMUNICATIONS CONDUIT SWEEPS TO BE MINIMUM 36 INCH RADIUS UNLESS NOTED.
7. COORDINATE WITH TAUNTON MUNICIPAL LIGHT PLANT (TMLP) FOR BOLT CIRCLE LAYOUT ON CORBELS. SEE BRIDGE PLANS FOR ADDITIONAL DETAILS.
8. TEMPORARY CONDUITS LOCATED UNDER PAVEMENT, ATTACHED TO SHEETING AND OVER WATER TO BE RGS. ALL OTHER TEMPORARY CONDUIT TO BE SCHEDULE 40 PVC. CONCRETE ENCASEMENT NOT REQUIRED FOR TEMPORARY CONDUITS.
9. LIGHT POLES, BASES, ARMS, AND LUMINAIRES TO BE FURNISHED AND INSTALLED BY TMLP.
10. OFFSETS TO ELECTRIC MANHOLES ARE TO THE CENTER OF THE TOP OF STRUCTURE.

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	16	67
PROJECT FILE NO.	608616		



WETLAND REPLICATION PLAN VIEW

0 40 100 200

11X17 SCALE: 1" = 40'

NOTES:

1. CONTRACTOR CAN ACCESS THE REPLICATION AREA USING A MAXIMUM 10' WIDE ACCESS PATH WITHIN THE 20' WIDE PREVIOUSLY DISTURBED AREA USING CUTTING ONLY.
2. EXISTING STONE PARKING AREA TO ACT AS TRACKING PAD.
3. ACCESS ROUTE SHALL BE FLAGGED FOR APPROVAL BY THE ENGINEER PRIOR TO SITE DISTURBANCE. ONCE APPROVED, VEGETATION SHALL BE CUT FLUSH TO THE GROUND. IF REQUIRED TO REPAIR EXPOSED SOILS AT THE COMPLETION OF WORK, THE ACCESS ROUTE SHALL BE SCARIFIED FOR DECOMPACTION AND SEEDED WITH THE UPLAND SEED MIX.

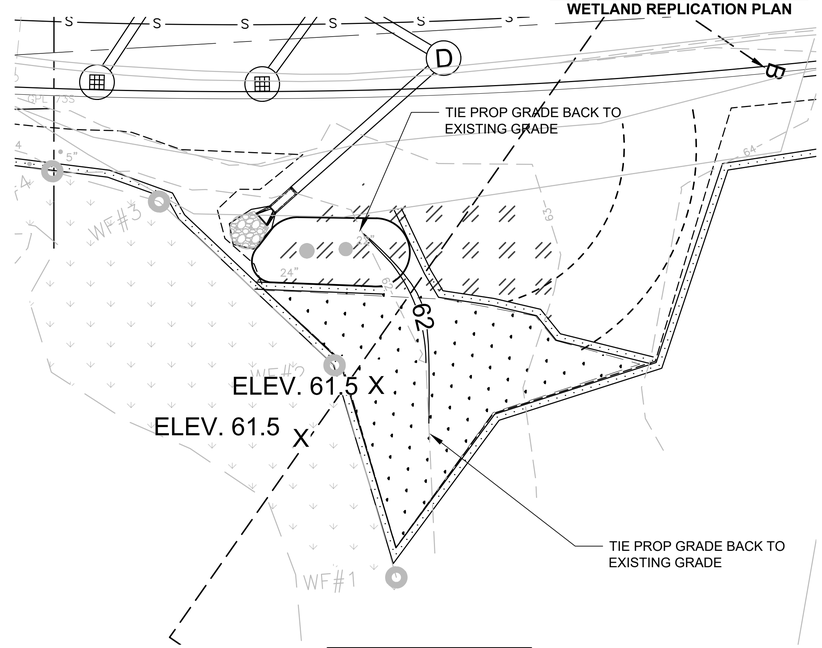
LEGEND:

- EXISTING WETLAND
- REPLICATION
- UPLAND SEED

WETLAND NOTES:

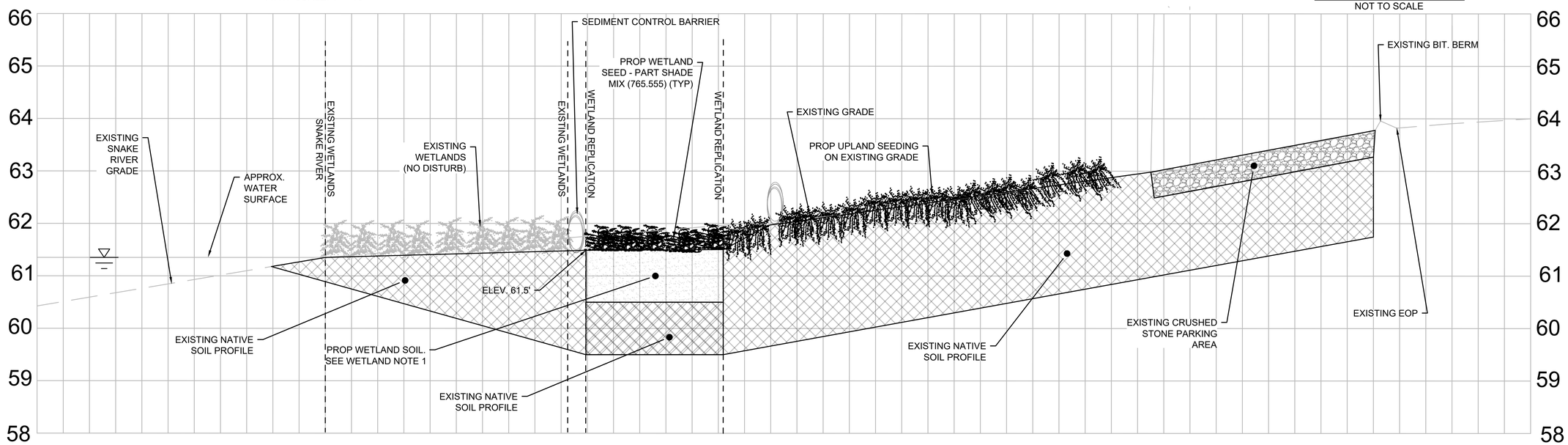
1. WETLAND REPLICATION AREA SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM 755.35 OF THE SPECIAL PROVISIONS. EXCAVATE EXISTING SOIL TO TARGET ELEVATIONS. IF EXISTING SUBSOIL IS DETERMINED TO BE UNSUITABLE FOR PLANTING, EXCAVATE TO DEPTH NECESSARY FOR PLANTING AND BACKFILL WITH APPROPRIATE MANUFACTURED SOIL. BACKFILL SHALL BE INSTALLED AS PER MASSDOT STANDARD SPECIFICATIONS.
2. WETLAND SEED SHALL BE PART SHADE MIX AND PER THE WETLAND SPECIFICATIONS.
3. UPLAND SEED SHALL BE THE UPLAND MIX AND PER THE NATIVE SEEDING SPECIFICATIONS AND SHALL BE APPLIED TO ALL DISTURBED AREA ADJACENT TO THE WETLAND MITIGATION WORK.

WETLAND REPLICATION PLAN



CONTOUR PLAN

NOT TO SCALE



WETLAND REPLICATION SECTION B-B

HOR. SCALE IN FEET

11X17 SCALE: 8 0 12 32

2 0 3 8

VER. SCALE IN FEET

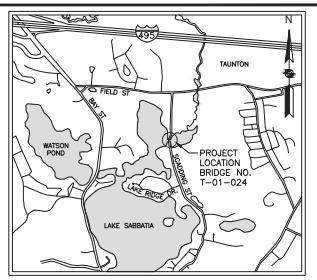
608616_HD16 - WETLAND REPLICATION PLAN.DWG Plotted on 9-Jun-2025 3:07 PM
FIRST BRIDGE SUBMISSION - (S1) 30-JUNE-2021

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-0035(863)X	17	67
PROJECT FILE NO. 608616			

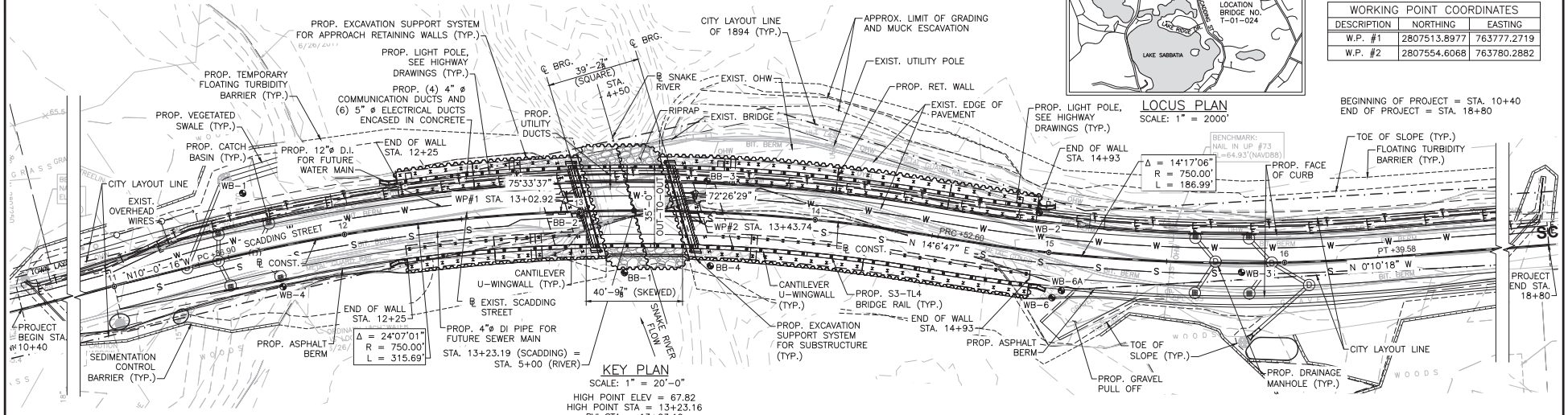
KEY PLAN, LOCUS AND PROFILES

WORKING POINT COORDINATES		
DESCRIPTION	NORTHING	EASTING
W.P. #1	2807513.8977	763777.2719
W.P. #2	2807554.6068	763780.2882



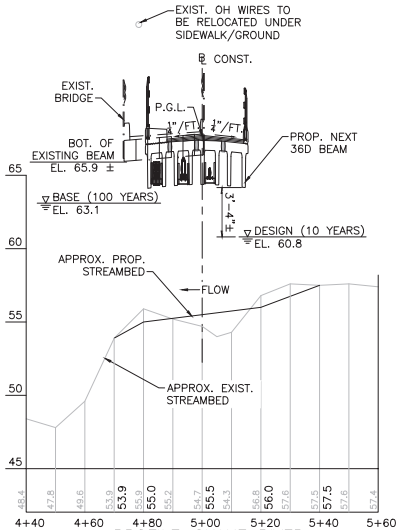
LOCUS PLAN
SCALE: 1" = 2000'

BEGINNING OF PROJECT = STA. 10+40
END OF PROJECT = STA. 18+80

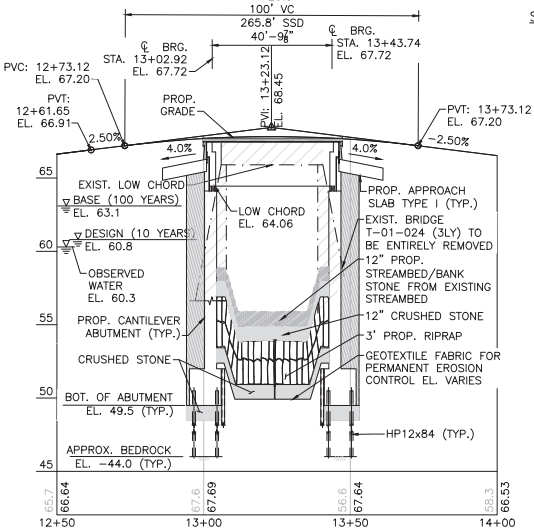


KEY PLAN
SCALE: 1" = 20'-0"

HIGH POINT ELEV = 67.82
HIGH POINT STA = 13+23.16
PVI STA = 13+23.12
PVI ELEV = 68.45
A.D. = −5.00%
K=20.0
100' VC
265.8' SSD



PROFILE–SNAKE RIVER
HORIZONTAL SCALE: 1" = 20'-0"
VERTICAL SCALE ¼" = 1'-0"



PROFILE–℄ SCADDING STREET
HORIZONTAL SCALE: 1" = 20'-0"
VERTICAL SCALE ¼" = 1'-0"

INDEX OF DRAWINGS

COMMONWEALTH OF MASSACHUSETTS
KEVIN M. HARP
CIVIL
NO. 56305
REGISTERED PROFESSIONAL ENGINEER
Kevin Harp
Digitally signed by Kevin Harp
Date: 2025.06.25 11:16:56 -05'00'

Dewberry
99 SUMMER ST.,
SUITE 700
BOSTON, MA 02110
(617) 695-3400
(617) 695-3310

JULY 12, 2025 | ISSUED FOR CONSTRUCTION

MassDOT Highway Division

PROPOSED BRIDGE

TAUNTON

SCADDING STREET
OVER SNAKE RIVER

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION
10 PARK PLAZA BOSTON, MASS

Alexander K. Bardow, P.E.
Digitally signed by Alexander K. Bardow, P.E.
Date: 2025.06.25 12:46:17 -04'00'
STATE BRIDGE ENGINEER

Carrie Lavallee, P.E.
2025.06.27 09:32:51 -04'00'
CHIEF ENGINEER

SHEET 1 OF 38 SHEETS BRIDGE NO. T-01-024 (C5H)

608616_BR1(T01024).DWG Plotted on 24-Jun-2025 9:55 AM
FINAL_BRIDGE SUBMISSION - (SF) 23-MARCH-2025

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	18	67
PROJECT FILE NO. 608616			

GENERAL NOTES AND QUANTITIES

GENERAL NOTES

DESIGN:
IN ACCORDANCE WITH THE 2020 AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS LRFD BRIDGE DESIGN SPECIFICATIONS, FOR HL-93 LOADING.

MASSDOT BENCHMARK:
STATION #69, NAIL IN UP
N 2807255.56 E 763792.21 EL. 67.72
STA. 10+44.55, OFFSET 11.86 FT (LT)

STATION #73, NAIL IN UP
N 2807761.44 E 763803.50 EL. 64.93
STA. 15+52.46, OFFSET 15.30 FT (LT)

ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

DATE:
TO BE PLACED ON THE INSIDE FACE OF THE SOUTHEAST AND NORTHWEST HIGHWAY GUARDRAIL TRANSITIONS. A SHEET SHOWING SIZE AND CHARACTER OF NUMERALS WILL BE FURNISHED. THE DATE USED SHALL BE THE LATEST YEAR OF CONTRACT COMPLETION AS OF THE DATE THE FIRST HIGHWAY GUARDRAIL TRANSITION IS CONSTRUCTED. BOTH HIGHWAY GUARDRAIL TRANSITIONS SHALL FEATURE THE SAME DATE.

MASSDOT SURVEY NOTEBOOKS:
SURVEY PERFORMED BY NITSCH ENGINEERING, 2 CENTER PLAZA SUITE 430 BOSTON, MA 02108 IN JUNE 2017. COPIES OF THE FILES MAY BE OBTAINED FROM THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION.

SCALES
SCALES NOTED ON THE PLANS ARE NOT APPLICABLE TO REDUCED SIZE PRINTS. DIVIDE SCALES BY 2 FOR HALF-SIZE PRINTS (A3).

SEISMIC GROUND SHAKING HAZARD
SEISMIC GROUND SHAKING HAZARD IN ACCORDANCE WITH THE 2011 AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN WITH INTERIM REVISIONS THROUGH 2015.

TEMPORARY DETOUR
BRIDGE IS TO BE CLOSED DURING CONSTRUCTION.
TEMPORARY DETOUR IS REQUIRED. SEE HIGHWAY PLANS.

EXISTING CONDITIONS:
EXISTING CONDITIONS ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS 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 HE HAS MADE THE REQUIRED MEASUREMENTS AND THE EXTENT OF THE PROPOSED WORK HAS BEEN APPROVED BY THE ENGINEER.

FOUNDATIONS:
FOUNDATIONS MAY BE ALTERED, IF NECESSARY, TO SUIT CONDITIONS ENCOUNTERED DURING CONSTRUCTION, WITH THE APPROVAL OF THE ENGINEER.

UNSUITABLE MATERIAL:
ALL UNSUITABLE MATERIAL SHALL BE REMOVED WITHIN THE LIMITS OF THE FOUNDATION OF THE STRUCTURE, AS DIRECTED BY THE ENGINEER.

ANCHOR BOLTS:
ALL ANCHOR BOLTS SHALL BE SET BY TEMPLATE BEFORE THE CONCRETE IS PLACED.

CONCRETE MIXES:
ALL CONCRETE SHALL BE 5000 PSI HP CONCRETE.

GEOMETRY:
SKEW ANGLES TO THE BASELINE FROM CENTERLINE OF BEARINGS SHOWN ON ALL APPLICABLE SHEETS ARE SHOWN TO A TANGENT ON THE CHORD AT THAT STATION.

REINFORCEMENT
REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 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"	19"	23"
2. 12 INCHES OF CONCRETE BELOW BAR	20"	25"	30"
3. COATED BARS, COVER < $3d_b$, OR CLEAR SPACING < $6d_b$	23"	29"	34"
4. COATED BARS, ALL OTHER CASES	18"	23"	27"
5. CONDITION 2 AND 3	26"	32"	39"
6. CONDITION 2 AND 4	24"	30"	36"

ALL OTHER BARS SHALL BE LAPPED AS SHOWN ON THE CONSTRUCTION DRAWINGS.

ALL REINFORCING BARS AND SUPPORTING DEVICES SHALL BE EPOXY COATED UNLESS OTHERWISE NOTED.

CHECK ALL LAPS FOR ADEQUATE LENGTH.

ALL REINFORCING STEEL SHALL BE A MINIMUM 2" CLEAR FROM THE SURFACE OF CONCRETE UNLESS OTHERWISE NOTED.

MEMBRANE WATERPROOFING:
ALL MEMBRANE WATERPROOFING USED ON BRIDGE DECKS SHALL BE MEMBRANE WATERPROOFING FOR BRIDGE DECKS - SPRAY APPLIED.

CONSTRUCTION JOINTS:
CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.

UTILITIES:
THE CONTRACTOR SHALL LOCATE AND PROTECT FROM DAMAGE ALL EXISTING UTILITIES. CONTRACTOR TO COORDINATE WITH TAUNTON MUNICIPAL LIGHTING PLANT TO DE-ENERGIZE OVERHEAD WIRES DURING CONSTRUCTION. SEE SPECIAL PROVISIONS ITEM NO. 960., STRUCTURAL STEEL FOR THE TEMPORARY UTILITY SUPPORT BEAM SHOWN ON SHEET 14 STAGE 3.

EXCAVATION SUPPORT SYSTEM
COBBLES AND BOULDERS COULD PRESENT OBSTRUCTIONS DURING SUPPORT SYSTEM INSTALLATION. SHALLOW OBSTRUCTIONS MAY NEED TO BE REMOVED BEFORE SUPPORT SYSTEM INSTALLATION. PAYMENT IS UNDER CLASS B ROCK EXCAVATION.

TOP OF SUPPORT SYSTEM DURING CONSTRUCTION SHALL BE MAINTAINED AT AN ELEVATION OF AT LEAST 61.2 TO ALLOW FOR DRY CONSTRUCTION OF THE FOOTINGS.

STRUCTURAL STEEL
ALL STRUCTURAL STEEL OTHER THAN STRUCTURAL TUBING AND UTILITY SUPPORT STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M270 (ASTM 709) GRADE 50 KSI. UTILITY SUPPORT STRUCTURAL STEEL SHALL CONFORM TO AASHTO M270 (ASTM 709) GRADE 36 KSI. ALL STRUCTURAL TUBING SHALL BE ASTM A500 GRADE B. MINIMUM THICKNESS FOR TUBULAR MEMBERS SHALL BE $\frac{1}{4}$". ALL EXPOSED STEEL SURFACES SHALL BE FINISHED AND FREE OF COURSE OR RUGGED EDGES. ALL STRUCTURAL STEEL ELEMENTS, CONNECTIONS AND ACCESSORIES SHALL BE HOT DIPPED GALVANIZED.

ESTIMATED QUANTITIES (NOT GUARANTEED)

DEMOLITION OF SUPERSTRUCTURE OF BRIDGE NO. T-01-024 (3LY)	1	LS
REINFORCED CONCRETE EXCAVATION	5	CY
BRIDGE EXCAVATION	2520	CY
CHANNEL EXCAVATION	420	CY
CLASS B ROCK EXCAVATION	20	CY
GRAVEL BORROW FOR BACKFILLING STRUCTURES AND PIPES	1110	CY
CRUSHED STONE	433	TON
CRUSHED STONE FOR BRIDGE FOUNDATIONS	254	TON
SUPERPAVE BRIDGE SURFACE COURSE - 9.5 - POLYMER (SSC-B-9.5-P)	12	TON
SUPERPAVE BRIDGE PROTECTIVE COURSE - 9.5 - POLYMER (SPC-B-9.5-P)	12	TON
SAWING & SEALING JOINTS IN ASPHALT PAVEMENT AT BRIDGES	52	FT
GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL	230	SY
STEEL PILE HP 12x84	14630	FT
STEEL PILE SPLICE HP 12x84	166	EA
DYNAMIC LOAD TEST BY CONTRACTOR	8	EA
PILE SHOES	166	EA
TEMPORARY EARTH SUPPORT SYSTEM	1	LS
EXCAVATION SUPPORT SYSTEM	2390	SY
RIPRAP	541	TON
STREAMBED / BANK RESTORATION	155	CY
CONTROL OF WATER - STRUCTURE NO. T-01-024 (C5H)	1	LS
TEMPORARY PROTECTIVE SHIELDING BRIDGE NO. T-01-024 (3LY)	1	LS
BRIDGE STRUCTURE, BRIDGE NO. T-01-024 (C5H)	1	LS

TRAFFIC DATA

	ROADWAY OVER	ROADWAY UNDER
DESIGN YEAR	2028	
AVERAGE DAILY TRAFFIC - PRESENT	1007	
AVERAGE DAILY TRAFFIC - DESIGN YEAR	1112	
DESIGN HOURLY VOLUME	97	
DIRECTIONAL DISTRIBUTION	52	
TRUCK PERCENTAGE - AVERAGE DAY	1.3%	
TRUCK PERCENTAGE - PEAK HOUR	5.9%	
DESIGN SPEED	30 MPH	
DIRECTIONAL DESIGN HOURLY VOLUME	52	

SEISMIC DESIGN CRITERIA

DESIGN RETURN PERIOD:	1000
SEISMIC DESIGN CRITERIA	
As	0.225
SDs	0.2167
SD1	0.0817
SITE CLASS	E
SEISMIC DESIGN CATEGORY (SDC)	A

HYDRAULIC DESIGN DATA

DRAINAGE AREA (SQ. MILES)	38.7
DESIGN FLOOD DISCHARGE (C.F.S.)	1000
DESIGN FLOOD FREQUENCY (YEARS)	10
DESIGN FLOOD VELOCITY (F.P.S.)	1.07
DESIGN FLOOD ELEVATION (FEET, NAVD)	60.8
BASE (100-YEAR) FLOOD DATA	
BASE FLOOD DISCHARGE (C.F.S.)	1840
BASE FLOOD ELEVATION (FEET, NAVD)	63.1
DESIGN AND CHECK SCOUR DATA	
DESIGN SCOUR FLOOD EVENT RETURN FREQUENCY (YEARS)	25
DESIGN FLOOD ABUTMENT SCOUR DEPTH (FEET)	4.76
DESIGN FLOOD PIER SCOUR DEPTH (FEET)	N/A
CHECK SCOUR FLOOD EVENT RETURN FREQUENCY (YEARS)	50
CHECK FLOOD ABUTMENT SCOUR DEPTH (FEET)	5.94
CHECK FLOOD PIER SCOUR DEPTH (FEET)	N/A
FLOOD OF RECORD	
DISCHARGE (C.F.S.)	N/A
FREQUENCY (IF KNOWN, YEARS)	N/A
MAXIMUM ELEVATION (FEET, NAVD)	N/A
DATE (MM/YYYY)	N/A
HISTORY OF ICE FLOES	NO
EVIDENCE OF SCOUR AND EROSION	N/A

TEMPORARY WATER CONTROL DESIGN DATA

FLOOD FREQUENCY (2-YEAR)	50%
PEAK FLOW (C.F.S.)	485
WSE (FEET)	60.20
VELOCITY (F.P.S.)	6.45
FREE BOARD (FEET)	1
RECOMMENDED EL. FOR THE COFFER DAM (FEET)	61.2

DATE	DESCRIPTION
JULY 12, 2025	ISSUED FOR CONSTRUCTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. BB-1 Scale: 1" = 5'

City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616	Contract Number:
Location: Scadding St. over Snake River		Date & Time Started: 8/20/18 11:00 AM	Total Hours: 3
Groundwater Depth (Feet): N/A boring taken on surface water		Date & Time Completed: 8/20/18 2:00 PM	
Coordinates (Feet): N 2807528.137 E 763804.444		Driller's Name: Norman	Helper's Name:
Ground Elevation (Feet): Lake bottom = 55'	Inspector's Name (PRINT): Nick Shaw	Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-1	0-2	1-W.O.H.-W.O.H.-W.O.H.		14	Wet, very loose, grey, SAND, some silt.	
S-2	5-7	1-W.O.H.-W.O.H.-1		7	Wet, very loose, grey, SAND and SILT.	
S-3	10-12	8-7-5-8		12	Wet, medium dense, grey, SAND, some silt.	
S-4	15-17	2-5-5-8		10	Wet, loose, grey, SAND.	
S-5	20-22	4-5-5-5		6	Wet, loose, grey, SAND, trace gravel.	
S-6	25-27	9-9-11-12		18	Wet, medium dense, grey, SAND, some gravel.	

BORING NO. BB-1 (1 OF 2)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. BB-1 Scale: 1" = 5'

City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616	Contract Number:
Location: Scadding St. over Snake River		Date & Time Started: 8/20/18 11:00 AM	Total Hours: 3
Groundwater Depth (Feet): N/A boring taken on surface water		Date & Time Completed: 8/20/18 2:00 PM	
Coordinates (Feet): N 2807528.137 E 763804.444		Driller's Name: Norman	Helper's Name:
Ground Elevation (Feet): Lake bottom = 55'	Inspector's Name (PRINT): Nick Shaw	Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-7	30-32	17-14-14-18		24	Wet, medium dense, grey, SAND, some gravel.	32'
					BOTTOM OF EXPLORATION @ 32'	

Remarks: Autohammer used for both split spoon sampler and driving casing.

Arrow-Board: 0
Signs: 0
Cones: 0

Protective Device - Stand: Box:
Well Depth: Solid Pipe:
Stick Up Pipe: Screen Pipe:

Penetration Resistance (N) Guide

Cohesionless Soils (Sands, Gravels)		Cohesive Soils (Silts, Clays)	
Relative Density	Penetration Resistance	Consistency	Penetration Resistance
Very Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Medium Dense	10 - 30	Medium Stiff	4 - 8
Dense	30 - 50	Stiff	8 - 15
Very Dense	Over 50	Very Stiff	15 - 30
		Hard	Over 30

N = Sum of Second and Third 6" Blow Counts

Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Type of Drill Rig: Drive & Wash
Casing Type: HW Size: 4in
Hammer Weight: 140lbs Fall: 30in
Depth: Driven to 32ft

Sampler Type: Split Spoon Size: 2in
Automatic Hammer Weight: 140 lbs
Safety Hammer weight:
Donut Hammer Weight: Fall:

Core Barrel Type: NX Size: 2.125in

BORING NO. BB-1 (2 OF 2)

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	19	67
PROJECT FILE NO. 608616			

BORING LOGS –
1 OF 8

BORING NOTES:

1. LOCATION OF BORINGS ARE SHOWN THUS: ◕ BB–X
2. BORINGS ARE TAKEN FOR PURPOSE OF DESIGN AND SHOW CONDITIONS AT BORING POINTS ONLY, BUT DO NOT NECESSARILY SHOW THE NATURE OF THE MATERIALS TO BE ENCOUNTERED DURING CONSTRUCTION.
3. WATER LEVELS SHOWN ON THE BORING LOGS WERE OBSERVED AT THE TIME OF TAKING BORINGS AND DO NOT NECESSARILY SHOW THE TRUE GROUND WATER LEVEL. GROUND WATER ELEVATIONS SHOWN ON BORING LOGS THUS: ▽
4. FIGURES IN COLUMNS INDICATE THE NUMBER OF BLOWS REQUIRED TO DRIVE A 1⅜" I.D. SPLIT SPOON SAMPLER 6" USING A 140 POUND WEIGHT FALLING 30".
5. BORING SAMPLES ARE STORED AT A STORAGE FACILITY LOCATED ON ROUTE 114 (219 WINTHROP AVE.) IN LAWRENCE, MA. THE CONTRACTOR MAY EXAMINE THE SOIL AND ROCK SAMPLES BY CONTACTING THE MASSDOT GEOTECHNICAL SECTION AT: 10 PARK PLAZA, ROOM 6260 BOSTON, MA 02116–3973 AT (857) 368–9182.
6. ALL BORINGS WERE MADE IN JUNE, JULY, AUGUST AND OCTOBER, 2018.
7. BORINGS WERE MADE BY NEW ENGLAND BORING CONTRACTORS, 1215 W. CHESTNUT STREET BROCKTON, MA 02301.
8. THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 IS USED THROUGHOUT.

DATE	DESCRIPTION
JULY 12, 2025	ISSUED FOR CONSTRUCTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	20	67
PROJECT FILE NO. 608616			

BORING LOGS – 2 OF 8

NOTE:

1. FOR BORING NOTES, SEE SHEET 3 OF 38.
2. CUT OFF ELEVATION OF LEFT-IN-PLACE SHEETING AT SOUTH ABUTMENT TO BE ELEVATION 52.0, SEE SHEET 19 OF 38.

Comprehensive Environmental Inc.
41 Main Street, Bolton, MA 01740

Boring No. BB-2
Scale: 1" = 5'

City/Town: Taunton | Bridge Number: T-01-024 | Project File Number: 608616 | Contract Number:
Location: Scadding St. over Snake River | Date & Time Started: 7/16/18 10:00 AM | Total Hours: 24
Groundwater Depth (Feet): 6.7 | Date & Time: 7/17/18 9:10 AM | Date & Time Completed: 7/19/18 2:30 PM
Coordinates (Feet): N 2807511.145 E 763777.248 | Driller's Name: John Galvin | Helper's Name: Sean Galvin
Ground Elevation (Feet): 67.00 | Inspector's Name (PRINT): Travis Petersen | Inspector's Signature: | Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches (Coring Times Minutes per Foot)	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-1	1-3	4-4-5-3		6	Dry, loose, brown, SAND, some fine to coarse gravel.	
S-2	4-6	4-1-2-1	14-17-34-58	3	Moist, very loose, brown, SAND, some fine to coarse gravel.	
	9-11	4-9-7-4	21-45-58-26-38	3	Wet, medium dense, brown, SAND.	
S-3	14-16	6-7-5-4	38-43-65-81-97	6	Wet, medium dense, grey, SAND and SILT, some fine gravel.	
S-4	19-21	5-4-3-3	42-59-77-81-86	8	Wet, loose, grey, SAND and SILT.	
	24-26		32-44-72-87-103	3	Wet, loose, grey, SAND, some medium coarse gravel.	

GROUND WATER ELEV. = 60.30
BOT. OF PILE CAP ELEV. = 49.50

65 60 55 50 45 40

BORING NO. BB-2 (1 OF 5)

Comprehensive Environmental Inc.
41 Main Street, Bolton, MA 01740

Boring No. BB-2
Scale: 1" = 5'

City/Town: Taunton | Bridge Number: T-01-024 | Project File Number: 608616 | Contract Number:
Location: Scadding St. over Snake River | Date & Time Started: 7/16/18 10:00 AM | Total Hours: 24
Groundwater Depth (Feet): 6.7 | Date & Time: 7/17/18 9:10 AM | Date & Time Completed: 7/19/18 2:30 PM
Coordinates (Feet): N 2807511.145 E 763777.248 | Driller's Name: John Galvin | Helper's Name: Sean Galvin
Ground Elevation (Feet): 67.00 | Inspector's Name (PRINT): Travis Petersen | Inspector's Signature: | Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches (Coring Times Minutes per Foot)	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-5	29-31	4-2-3-2	56-89-80-101-127	2	Wet, loose, grey, SAND and SILT, some fine gravel.	
	34-36	5-3-4-7	53-89-114-197-173	0	NO RECOVERY.	
S-6	39-41	4-4-4-9	107-116-135-163-197	6	Wet, loose, grey, SILT and FINE SAND.	
S-7	44-46	4-5-8-8	154-125-51-52-90	3	Wet, medium dense, grey, SAND, some silt, some coarse to fine gravel. (4" Casing started at 47')	
S-8	49-51	4-7-9-7	11-33-38-52-61	6	Wet, medium dense, grey, SAND, some silt, some coarse to fine gravel.	
S-9	54-56	4-4-6-9	12-16-55-117-157	12	Wet, loose, grey, SAND, trace coarse gravel.	

35 30 25 20 15 10

BORING NO. BB-2 (2 OF 5)

Comprehensive Environmental Inc.
41 Main Street, Bolton, MA 01740

Boring No. BB-2
Scale: 1" = 5'

City/Town: Taunton | Bridge Number: T-01-024 | Project File Number: 608616 | Contract Number:
Location: Scadding St. over Snake River | Date & Time Started: 7/16/18 10:00 AM | Total Hours: 24
Groundwater Depth (Feet): 6.7 | Date & Time: 7/17/18 9:10 AM | Date & Time Completed: 7/19/18 2:30 PM
Coordinates (Feet): N 2807511.145 E 763777.248 | Driller's Name: John Galvin | Helper's Name: Sean Galvin
Ground Elevation (Feet): 67.00 | Inspector's Name (PRINT): Travis Petersen | Inspector's Signature: | Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches (Coring Times Minutes per Foot)	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-10	59-61	31-9-5-8	130-123-118-46-151	3	Wet, medium dense, grey, SAND, some silt, trace coarse gravel.	
S-11	64-66	27-8-7-10	96-112-115-139-121	3	Wet, medium dnse, grey, SAND, some gravel.	
S-12	69-71	9-13-18-18	49-88-150-143-163	12	Wet, dense, grey, SAND, some fine gravel.	
S-13	74-76	3-8-7-6	110-121-134-140-158	8	Wet, medium dense, grey, SAND.	
S-14	79-81	12-6-6-14	66-80-147-171-195	18	Wet, medium dense, grey, SAND, trace fine gravel, some silt.	
	84-86	7-7-7-10	113-127-157-228-270	0	NO RECOVERY.	

5 0 -5 -10 -15 -20

BORING NO. BB-2 (3 OF 5)

Comprehensive Environmental Inc.
41 Main Street, Bolton, MA 01740

Boring No. BB-2
Scale: 1" = 5'

City/Town: Taunton | Bridge Number: T-01-024 | Project File Number: 608616 | Contract Number:
Location: Scadding St. over Snake River | Date & Time Started: 7/16/18 10:00 AM | Total Hours: 24
Groundwater Depth (Feet): 6.7 | Date & Time: 7/17/18 9:10 AM | Date & Time Completed: 7/19/18 2:30 PM
Coordinates (Feet): N 2807511.145 E 763777.248 | Driller's Name: John Galvin | Helper's Name: Sean Galvin
Ground Elevation (Feet): 67.00 | Inspector's Name (PRINT): Travis Petersen | Inspector's Signature: | Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches (Coring Times Minutes per Foot)	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-15	89-91	12-13-11-17	155-189-303-325-357	18	Wet, medium dense, grey, SAND, trace fine gravel, some silt.	
S-16	94-96	20-31-33-37	140-198-227-249-404	12	Wet, very dense, grey, GRAVEL, some coarse sand, trace silt.	
S-17	99-101	110-129/6"		3	Wet, very dense, grey, GRAVEL, some coarse sand, trace silt. (Refusal; bent split spoon at 100'.)	
					Boulder encountered at 100'. Advanced rollerbit to 105'; end of day 7/18. 4" casing at 99'. 7/19: 3" casing advanced from 99'.	
S-18	104	28-120/4"		5	Wet, very dense, grey, SAND, some fine gravel, some silt.	
S-19	109	120/3"		4	Till and rock at 109'. TOP OF BEDROCK @ 111'	111'
RC-1	111-116	5:25 5:30 6:00 5:00 5:25		60	111' to 116': Polymodal CLAST supported conglomerate. Clasts are rounded to subangular, primarily cobble sized, but range to coarse gravel sized. Rec = 60"/60" = 100%, RQD = 15.9"/60" = 27%	

APPROX. TOP OF BEDROCK AND PILE TIP ELEV. = -44.00

-25 -30 -35 -40 -45

BORING NO. BB-2 (4 OF 5)

Comprehensive Environmental Inc.
41 Main Street, Bolton, MA 01740

Boring No. BB-2
Scale: 1" = 5'

City/Town: Taunton | Bridge Number: T-01-024 | Project File Number: 608616 | Contract Number:
Location: Scadding St. over Snake River | Date & Time Started: 7/16/18 10:00 AM | Total Hours: 24
Groundwater Depth (Feet): 6.7 | Date & Time: 7/17/18 9:10 AM | Date & Time Completed: 7/19/18 2:30 PM
Coordinates (Feet): N 2807511.145 E 763777.248 | Driller's Name: John Galvin | Helper's Name: Sean Galvin
Ground Elevation (Feet): 67.00 | Inspector's Name (PRINT): Travis Petersen | Inspector's Signature: | Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches (Coring Times Minutes per Foot)	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
RC-2	116-121	4:15 3:50 4:15 4:15 3:50		51	116-117': Large quartz dike. 117-121': Polymodal clast supported conglomerate. Clasts are rounded to subangular, primarily cobble sized, but range to fine gravel sized. Rec = 51"/60" = 85%, RQD = 15.9"/51" = 31%	
					BOTTOM OF EXPLORATION @ 121'	121'

-50 -55

Remarks: Samples offset by 1' due to mudbucket stickup. Boring moved from marked out location due to overhead powerlines; new coordinates noted above. Autohammer used for both split spoon sampler and driving casing.

Arrow-Board: 0
Signs: 2
Cones: 10

Protective Device - Stand: Box:
Well Depth: Solid Pipe:
Stick Up Pipe: Screen Pipe:

Penetration Resistance (N) Guide

Cohesionless Soils (Sands, Gravels)		Cohesive Soils (Silts, Clays)	
Relative Density	Penetration Resistance	Consistency	Penetration Resistance
Very Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Medium Dense	10 - 30	Medium Stiff	4 - 8
Dense	30 - 50	Stiff	8 - 15
Very Dense	Over 50	Very Stiff	15 - 30
		Hard	Over 30

N = Sum of Second and Third 6" Blow Counts
Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Type of Drill Rig: Drive & Wash
Casing Type: HW Size: 5in to 3in
Hammer Weight: 140lbs Fall: 30in
Depth: Driven to 109'
Sampler Type: Split Spoon Size: 2in
Automatic Hammer Weight: 140 lbs
Safety Hammer weight:
Donut Hammer Weight: Fall:
Core Barrel Type: NX Size: 2.125in

BORING NO. BB-2 (5 OF 5)

DATE	DESCRIPTION
JULY 12, 2025	ISSUED FOR CONSTRUCTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

608616_BR3-10(T01024).DWG Plotted on 24-Jun-2025 9:55 AM
FINAL BRIDGE SUBMISSION - (SF) 28-MARCH-2025

GROUND WATER ELEV. = 61.00

BOT. OF PILE CAP ELEV. = 49.50

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. BB-3 Scale: 1" = 5'

City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616	Contract Number:
Location: Scadding St. over Snake River		Date & Time Started: 10/23/18 10:00AM	Total Hours: 3
Groundwater Depth (Feet): 6	Date & Time: 10/23/18 7:00 AM	Date & Time Completed: 10/23/18 1:00 PM	
Coordinates (Feet): N 2807565.421	E 763768.001	Driller's Name: Gary	Helper's Name:
Ground Elevation (Feet): 67.00	Inspector's Name (PRINT): Nick Shaw	Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-1	0-2	10-7-5-4		12	Moist, medium dense, grey, SAND, some gravel.	
S-2	5-7	6-3-4-5		4	Wet, loose, grey, SAND and GRAVEL.	
S-3	10-12	30-55-100/3"		8	Wet, very dense, grey, SAND and GRAVEL/BOULDER.	
S-4	15-17	7-4-3-2		8	Wet, loose, grey, FINE SAND.	
S-5	20-22	9-8-12-11		12	Wet, medium dense, grey, FINE SAND, some silt.	
S-6	25-27	8-8-10-12		14	Wet, medium dense, grey, FINE SAND, some silt.	

BORING NO. BB–3 (1 OF 2)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. BB-3 Scale: 1" = 5'

City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616	Contract Number:
Location: Scadding St. over Snake River		Date & Time Started: 10/23/18 10:00AM	Total Hours: 3
Groundwater Depth (Feet): 6	Date & Time: 10/23/18 7:00 AM	Date & Time Completed: 10/23/18 1:00 PM	
Coordinates (Feet): N 2807565.421	E 763768.001	Driller's Name: Gary	Helper's Name:
Ground Elevation (Feet): 67.00	Inspector's Name (PRINT): Nick Shaw	Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-7	30-32	7-11-12-8		16	Wet, medium dense, grey, FINE SAND, some silt.	
S-8	35-37	6-5-6-8		14	Wet, medium dense, grey, FINE SAND, little gravel.	
S-9	40-42	13-13-12-15		17	Wet, medium dense, grey, FINE SAND.	
					BOTTOM OF EXPLORATION @ 42'	42'

Remarks: Autohammer used for both split spoon sampler and driving casing.

Arrow-Board: 0
Signs: 0
Cones: 0

Protective Device - Stand: Box:
Well Depth: Solid Pipe:
Stick Up Pipe: Screen Pipe:

Penetration Resistance (N) Guide

Cohesionless Soils (Sands, Gravels)		Cohesive Soils (Silts, Clays)	
Relative Density	Penetration Resistance	Consistency	Penetration Resistance
Very Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Medium Dense	10 - 30	Medium Stiff	4 - 8
Dense	30 - 50	Stiff	8 - 15
Very Dense	Over 50	Very Stiff	15 - 30
		Hard	Over 30

N = Sum of Second and Third 6" Blow Counts

Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Type of Drill Rig: Drive & Wash
Casing Type: HW Size: 4in
Hammer Weight: 140lbs Fall: 30in
Depth: Driven to 42ft

Sampler Type: Split Spoon Size: 2in
Automatic Hammer Weight: 140 lbs
Safety Hammer weight:
Donut Hammer Weight: Fall:

Core Barrel Type: NX Size: 2.125in

BORING NO. BB–3 (2 OF 2)

NOTE:

1. FOR BORING NOTES, SEE SHEET 3 OF 38.
2. CUT OFF ELEVATION OF LEFT–IN–PLACE SHEETING AT NORTH ABUTMENT TO BE ELEVATION 52.0, SEE SHEET 20 OF 38.

DATE	DESCRIPTION
JULY 12, 2025	ISSUED FOR CONSTRUCTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. BB-4 Scale: 1" = 5'

City/Town: Taunton	Bridge Number: T-01-024	Contract Number:
Location: Scadding St. over Snake River	Date & Time Started: 8/14/18 10:00 AM	Total Hours: 30
Groundwater Depth (Feet): N/A boring taken on surface water	Date & Time Completed: 8/20/18 2:00 PM	
Coordinates (Feet): N 2807564.576 E 763804.275	Driller's Name: Norman	Helper's Name:
Ground Elevation (Feet): Lake bottom = 56'	Inspector's Name (PRINT): Nick Shaw / Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-1	0-2	W.O.R		10	Wet, very loose, grey, SAND, some silt.	
S-2	5-7	5-5-7-9		16	Wet, medium dense, grey, SAND, some silt.	
S-3	10-12	5-9-10-7		15	Wet, medium dense, grey, SAND, some silt, trace gravel.	
S-4	15-17	5-5-6-7		9	Wet, medium dense, grey, SAND, some gravel.	
S-5	20-22	7-7-7-14		13	Wet, medium dense, grey, SAND and GRAVEL.	
S-6	25-27	5-7-7-20		14	Wet, medium dense, grey, SAND, trace gravel.	

60 55 50 45 40 35 30

BOT. OF PILE CAP
ELEV. = 49.50

BORING NO. BB-4 (1 OF 4)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. BB-4 Scale: 1" = 5'

City/Town: Taunton	Bridge Number: T-01-024	Contract Number:
Location: Scadding St. over Snake River	Date & Time Started: 8/14/18 10:00 AM	Total Hours: 30
Groundwater Depth (Feet): N/A boring taken on surface water	Date & Time Completed: 8/20/18 2:00 PM	
Coordinates (Feet): N 2807564.576 E 763804.275	Driller's Name: Norman	Helper's Name:
Ground Elevation (Feet): Lake bottom = 56'	Inspector's Name (PRINT): Nick Shaw / Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-7	30-32	6-9-5-5		18	Wet, medium dense, grey, SAND, some silt, trace gravel.	
	35-37	5-4-5-5		0	NO RECOVERY.	
S-8	40-42	6-5-7-18		16	Wet, medium dense, grey, SAND, some silt, trace gravel.	
S-9	45-47	8-9-9-14		12	Wet, medium dense, grey, SAND, little gravel.	
S-10	50-52	8-10-16-20		17	Wet, medium dense, grey, SAND, some gravel.	
S-11	55-57	9-16-20-15		21	Wet, dense, grey, SAND, some gravel.	

25 20 15 10 5 0

BORING NO. BB-4 (2 OF 4)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. BB-4 Scale: 1" = 5'

City/Town: Taunton	Bridge Number: T-01-024	Contract Number:
Location: Scadding St. over Snake River	Date & Time Started: 8/14/18 10:00 AM	Total Hours: 30
Groundwater Depth (Feet): N/A boring taken on surface water	Date & Time Completed: 8/20/18 2:00 PM	
Coordinates (Feet): N 2807564.576 E 763804.275	Driller's Name: Norman	Helper's Name:
Ground Elevation (Feet): Lake bottom = 56'	Inspector's Name (PRINT): Nick Shaw / Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-12	60-62	13-9-13-18		11	Wet, medium dense, grey, SAND.	
S-13	65-67	13-8-10-17		9	Wet, medium dense, grey, SAND, some gravel.	
S-14	70-72	16-14-14-18		5	Wet, medium dense, grey, SAND, some gravel.	
S-15	75-77	10-7-10-10		5	Wet, medium dense, grey, GRAVEL, trace sand.	
S-16	80-82	18-35-21-20		6	Wet, medium dense, grey, GRAVEL.	
S-17	85-87	67-45-109-68		15	Wet, very dense, grey, TILL, some gravel.	

−5 −10 −15 −20 −25 −30

BORING NO. BB-4 (3 OF 4)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. BB-4 Scale: 1" = 5'

City/Town: Taunton	Bridge Number: T-01-024	Contract Number:
Location: Scadding St. over Snake River	Date & Time Started: 8/14/18 10:00 AM	Total Hours: 30
Groundwater Depth (Feet): N/A boring taken on surface water	Date & Time Completed: 8/20/18 2:00 PM	
Coordinates (Feet): N 2807564.576 E 763804.275	Driller's Name: Norman	Helper's Name:
Ground Elevation (Feet): Lake bottom = 56'	Inspector's Name (PRINT): Nick Shaw / Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S18	90-92	88-75-68-50		16	Wet, very dense, grey, TILL, some gravel.	
S19	95-97	75-120/1"		7	Wet, very dense, grey, TILL, some boulder/rock.	
					TOP OF BEDROCK @ 100'	100'
RC-1 100-105		10:00 / 15:23 / 25:42 / 27:30 / 31:20		60		
RC-2	105-110	9:23 / 17:15 / 34:30 / 5:36 / 8:28		60	Rec = 120"/120" = 100%, RQD = 41.5"/120" = 35%	
					BOTTOM OF EXPLORATION @ 110'	110'

−35 −40 −45 −50 −55

APPROX. TOP OF BEDROCK AND PILE TIP ELEV. = −44.00

Remarks: Autohammer used for both split spoon sampler and driving casing. W.O.R. = Weight of Rod

Arrow-Board: 0
Signs: 0
Cones: 0

Protective Device - Stand: Box:
Well Depth: Solid Pipe:
Stick Up Pipe: Screen Pipe:

Penetration Resistance (N) Guide

Cohesionless Soils (Sands, Gravels)		Cohesive Soils (Silts, Clays)	
Relative Density	Penetration Resistance	Consistency	Penetration Resistance
Very Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Medium Dense	10 - 30	Medium Stiff	4 - 8
Dense	30 - 50	Stiff	8 - 15
Very Dense	Over 50	Very Stiff	15 - 30
		Hard	Over 30

N = Sum of Second and Third 6" Blow Counts

Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Type of Drill Rig: Drive & Wash
Casing Type: HW Size: 5in to 3in
Hammer Weight: 140lbs Fall: 30in
Depth: Driven to 100ft
Sampler Type: Split Spoon Size: 2in
Automatic Hammer Weight: 140 lbs
Safety Hammer weight:
Donut Hammer Weight: Fall:
Core Barrel Type: NX Size: 2.125in

BORING NO. BB-4 (4 OF 4)

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	22	67
PROJECT FILE NO. 608616			

BORING LOGS – 4 OF 8

NOTE:

FOR BORING NOTES, SEE SHEET 3 OF 38.

JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER

USE ONLY PRINTS OF LATEST DATE

608616_BR3-10(T01024).DWG Plotted on 24-Jun-2025 9:56 AM

FINAL BRIDGE SUBMISSION - (SF) 28-MARCH-2025

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. WB-1 Scale: 1" = 5'
City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616 / Contract Number:
Location: Scadding St. over Snake River	Date & Time Started: 10/23/18 8:00AM	Total Hours: 3
Groundwater Depth (Feet): 6	Date & Time: 10/23/18 7:00 AM / Date & Time Completed: 10/23/18 11:00 AM	
Coordinates (Feet): N 2807369.410	E 763758.936	Driller's Name: Matt / Helper's Name:
Ground Elevation (Feet): 62.80	Inspector's Name (PRINT): Jeff Koloski / Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

GROUND WATER ELEV. = 56.80

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-1	0-2	W.O.H-3-2-3		8	Dry, loose, grey, TOPSOIL, some fine sand.	
S-2	4-6	2-3-3-6		14	Moist, loose, red/brown, SAND, trace silt.	
S-3	9-11	4-3-5-6		16	Wet, loose, grey, SAND, some silt.	
S-4	14-16	3-3-4-4		14	Wet, loose, grey, SILT.	
S-5	19-21	4-4-5-5		14	Wet, loose, grey, SILT.	
S-6	24-26	3-5-6-5		10	Wet, medium dense, grey, SILT, some gravel, trace sand.	

60 55 50 45 40 35

BORING NO. WB-1 (1 OF 2)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. WB-1 Scale: 1" = 5'
City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616 / Contract Number:
Location: Scadding St. over Snake River	Date & Time Started: 10/23/18 8:00AM	Total Hours: 3
Groundwater Depth (Feet): 6	Date & Time: 10/23/18 7:00 AM / Date & Time Completed: 10/23/18 11:00 AM	
Coordinates (Feet): N 2807369.410	E 763758.936	Driller's Name: Matt / Helper's Name:
Ground Elevation (Feet): 62.80	Inspector's Name (PRINT): Jeff Koloski / Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-7	29-31	2-2-2-4		16	Wet, very loose, grey, SILT, some gravel, trace sand.	
S-8	34-36	4-4-5-8		12	Wet, loose, grey, GRAVEL, some silt.	
S-9	39-41	4-5-8-10		12	Wet, medium dense, grey, GRAVEL, little silt.	41'
					BOTTOM OF EXPLORATION @ 41'	

30 25 20

Remarks: Autohammer used for both split spoon sampler and driving casing. W.O.H. = Weight of Hammer

Arrow-Board: 0 Signs: 0 Cones: 0

Protective Device - Stand: Box: Well Depth: Solid Pipe: Stick Up Pipe: Screen Pipe:

Penetration Resistance (N) Guide

Cohesionless Soils (Sands, Gravels)		Cohesive Soils (Silts, Clays)	
Relative Density	Penetration Resistance	Consistency	Penetration Resistance
Very Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Medium Dense	10 - 30	Medium Stiff	4 - 8
Dense	30 - 50	Stiff	8 - 15
Very Dense	Over 50	Very Stiff	15 - 30
		Hard	Over 30

N = Sum of Second and Third 6" Blow Counts

Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Type of Drill Rig: Drive & Wash

Casing Type: HW Size: 4in Hammer Weight: 140lbs Fall: 30in Depth: Driven to 41ft

Sampler Type: Split Spoon Size: 2in Automatic Hammer Weight: 140 lbs Safety Hammer weight: Donut Hammer Weight: Fall:

Core Barrel Type: NX Size: 2.125in

BORING NO. WB-1 (2 OF 2)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. WB-2 Scale: 1" = 5'
City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616 / Contract Number:
Location: Scadding St. over Snake River	Date & Time Started: 10/22/18 7:00AM	Total Hours: 4
Groundwater Depth (Feet): 2	Date & Time: 10/23/18 7:00 AM / Date & Time Completed: 10/23/18 11:00 AM	
Coordinates (Feet): N 2807705.181	E 763792.197	Driller's Name: Gary / Helper's Name:
Ground Elevation (Feet): 63.90	Inspector's Name (PRINT): Nick Shaw / Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

GROUND WATER ELEV. = 61.90

BOT. OF PILE CAP ELEV. = 54.00

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-1	0-2	17-26-27-16		10	Moist, very dense, brown, SAND, some silt, some gravel.	
S-2	5-7	12-5-2-4		10	Wet, loose, brown, SAND, trace gravel.	
S-3	10-12	4-4-6-7		12	Wet, loose, brown, SAND and SILT.	
S-4	15-17	1-2-2-5		14	Wet, very loose, brown, SAND and SILT.	
S-5	20-22	1-2-2-3		12	Wet, very loose, brown, SAND and SILT.	
S-6	25-27	2-3-4-5		10	Wet, loose, brown, SAND and SILT.	

60 55 50 45 40 35

BORING NO. WB-2 (1 OF 2)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. WB-2 Scale: 1" = 5'
City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616 / Contract Number:
Location: Scadding St. over Snake River	Date & Time Started: 10/22/18 7:00AM	Total Hours: 4
Groundwater Depth (Feet): 2	Date & Time: 10/23/18 7:00 AM / Date & Time Completed: 10/23/18 11:00 AM	
Coordinates (Feet): N 2807705.181	E 763792.197	Driller's Name: Gary / Helper's Name:
Ground Elevation (Feet): 63.90	Inspector's Name (PRINT): Nick Shaw / Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-7	30-32	2-3-5-8		11	Wet, loose, brown, SAND and SILT.	
S-8	35-37	4-3-4-6		10	Wet, loose, brown, SAND and SILT.	
S-9	40-42	2-2-3-4		10	Wet, loose, brown, SAND and SILT.	42'
					BOTTOM OF EXPLORATION @ 42'	

30 25 20

Remarks: Autohammer used for both split spoon sampler and driving casing.

Arrow-Board: 0 Signs: 0 Cones: 0

Protective Device - Stand: Box: Well Depth: Solid Pipe: Stick Up Pipe: Screen Pipe:

Penetration Resistance (N) Guide

Cohesionless Soils (Sands, Gravels)		Cohesive Soils (Silts, Clays)	
Relative Density	Penetration Resistance	Consistency	Penetration Resistance
Very Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Medium Dense	10 - 30	Medium Stiff	4 - 8
Dense	30 - 50	Stiff	8 - 15
Very Dense	Over 50	Very Stiff	15 - 30
		Hard	Over 30

N = Sum of Second and Third 6" Blow Counts

Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Type of Drill Rig: Drive & Wash

Casing Type: HW Size: 4in Hammer Weight: 140lbs Fall: 30in Depth: Driven to 42ft

Sampler Type: Split Spoon Size: 2in Automatic Hammer Weight: 140 lbs Safety Hammer weight: Donut Hammer Weight: Fall:

Core Barrel Type: NX Size: 2.125in

BORING NO. WB-2 (2 OF 2)

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	23	67
PROJECT FILE NO. 608616			

BORING LOGS – 5 OF 8

NOTE:

FOR BORING NOTES, SEE SHEET 3 OF 38.

JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER

USE ONLY PRINTS OF LATEST DATE

608616_BR3-10(T01024).DWG Plotted on 24-Jun-2025 9:56 AM

FINAL BRIDGE SUBMISSION - (SF) 28-MARCH-2025

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. WB-3 Scale: 1" = 5'

City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616	Contract Number:
Location: Scadding St. over Snake River		Date & Time Started: 10/22/18 7:00AM	Total Hours: 4
Groundwater Depth (Feet): 10	Date & Time: 10/22/18 7:00 AM	Date & Time Completed: 10/22/18 11:00 AM	
Coordinates (Feet): N 2807788.775	E 763823.636	Driller's Name: Gary	Helper's Name:
Ground Elevation (Feet): 63.90	Inspector's Name (PRINT): Nick Shaw	Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

GROUND WATER ELEV. = 53.90

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-1	0-2	33-25-19-16		15	Dry, dense, brown, SAND, little gravel.	
	5-7	6-3-5-14		0	NO RECOVERY.	
S-2	10-12	7-8-8-10		13	Wet, medium dense, brown, SAND and SILT.	
S-3	15-17	7-6-9-11		15	Wet, medium dense, brown, SAND and SILT.	
S-4	20-22	5-4-5-6		13	Wet, loose, brown, SAND and SILT.	
S-5	25-27	6-5-7-9		10	Wet, medium dense, brown, SAND, some silt, trace gravel.	

60 55 50 45 40 35

BORING NO. WB-3 (1 OF 2)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740	Boring No. WB-3 Scale: 1" = 5'

City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616	Contract Number:
Location: Scadding St. over Snake River		Date & Time Started: 10/22/18 7:00AM	Total Hours: 4
Groundwater Depth (Feet): 10	Date & Time: 10/22/18 7:00 AM	Date & Time Completed: 10/22/18 11:00 AM	
Coordinates (Feet): N 2807788.775	E 763823.636	Driller's Name: Gary	Helper's Name:
Ground Elevation (Feet): 63.90	Inspector's Name (PRINT): Nick Shaw	Inspector's Signature:	Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-6	30-32	4-5-6-7		9	Wet, medium dense, brown, SAND, some silt, trace gravel.	
S-7	35-37	1-3-4-6		12	Wet, loose, brown, SAND, little gravel.	
S-8	40-42	2-2-3-6		16	Wet, loose, brown, SAND and SILT.	
						42'
					BOTTOM OF EXPLORATION @ 42'	

30 25 20

Remarks: Autohammer used for both split spoon sampler and driving casing.

Arrow-Board: 0
Signs: 0
Cones: 0

Protective Device - Stand: Box:
Well Depth: Solid Pipe:
Stick Up Pipe: Screen Pipe:

Penetration Resistance (N) Guide

Cohesionless Soils (Sands, Gravels)		Cohesive Soils (Silts, Clays)	
Relative Density	Penetration Resistance	Consistency	Penetration Resistance
Very Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Medium Dense	10 - 30	Medium Stiff	4 - 8
Dense	30 - 50	Stiff	8 - 15
Very Dense	Over 50	Very Stiff	15 - 30
		Hard	Over 30

N = Sum of Second and Third 6" Blow Counts
Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Type of Drill Rig: Drive & Wash
Casing Type: HW Size: 4in
Hammer Weight: 140lbs Fall: 30in
Depth: Driven to 42 ft
Sampler Type: Split Spoon Size: 2in
Automatic Hammer Weight: 140 lbs
Safety Hammer weight:
Donut Hammer Weight: Fall:
Core Barrel Type: NX Size: 2.125in

BORING NO. WB-3 (2 OF 2)

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	24	67
PROJECT FILE NO. 608616			

BORING LOGS – 6 OF 8

NOTE:

FOR BORING NOTES, SEE SHEET 3 OF 38.

JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER

USE ONLY PRINTS OF LATEST DATE

608616_BR3-10(T01024).DWG Plotted on 24-Jun-2025 9:56 AM

FINAL BRIDGE SUBMISSION - (SF) 28-MARCH-2025

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740			Boring No. WB-4 Scale: 1" = 5'
City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616		Contract Number:
Location: Scadding St. over Snake River		Date & Time Started: 6/19/18 10:00AM		Total Hours: 16.5
Groundwater Depth (Feet): 8	Date & Time: 6/20/18 7:40 AM	Date & Time Completed: 6/21/18 2:30 PM		
Coordinates (Feet): N 2807383.519	E 763799.603	Driller's Name: Jimmy	Helper's Name:	
Ground Elevation (Feet): 63.00	Inspector's Name (PRINT): Ally Huffman	Inspector's Signature:	Drilling Contractor: New England Boring, Inc.	

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-1	0-2	1-1-4-2		12	Dry, loose, gray, FINE SAND	
S-2	5-7	6-8-11-11	6-24-7-47-46	18	Moist, medium dense, gray, SAND, trace gravel	
S-3	10-12	4-6-4-7		18	Wet, loose, gray, SAND and SILT	
S-4	15-17	4-4-5-5	3-4-13-19-27	18	Wet, loose, gray, SAND and SILT	
S-5	20-22	4-4-5-5		18	Wet, loose, gray, SILT	
S-6	25-27	2-5-3-3		18	Wet, loose, gray, SILT	

60 / 55 / 50 / 45 / 40 / 35

GROUND WATER ELEV. = 55.00

BOT. OF PILE CAP ELEV. = 54.00

BORING NO. WB-4 (1 OF 4)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740			Boring No. WB-4 Scale: 1" = 5'
City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616		Contract Number:
Location: Scadding St. over Snake River		Date & Time Started: 6/19/18 10:00AM		Total Hours: 16.5
Groundwater Depth (Feet): 8	Date & Time: 6/20/18 7:40 AM	Date & Time Completed: 6/21/18 2:30 PM		
Coordinates (Feet): N 2807328.519	E 763820.603	Driller's Name: Jimmy	Helper's Name:	
Ground Elevation (Feet): 63.00	Inspector's Name (PRINT): Ally Huffman	Inspector's Signature:	Drilling Contractor: New England Boring, Inc.	

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-7	30-32	3-3-2-2		12	Wet, loose, gray, SILT	
S-8	35-37	3-4-4-7		18	Wet, loose, gray, SILT, trace sand	
S-9	40-42	4-3-4-6		12	Wet, loose, gray, SILT, trace sand	
S-10	45-47	4-5-7-9		10	Wet, medium dense, gray, SILT, some sand, little gravel	
S-11	50-52	2-3-2-2		6	Wet, loose, gray, SILT, some gravel, trace sand	
S-12	55-57	6-5-6-8		16	Wet, medium dense, gray, SAND, trace silt	

30 / 25 / 20 / 15 / 10 / 5

BORING NO. WB-4 (2 OF 4)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740			Boring No. WB-4 Scale: 1" = 5'
City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616		Contract Number:
Location: Scadding St. over Snake River		Date & Time Started: 6/19/18 10:00AM		Total Hours: 16.5
Groundwater Depth (Feet): 8	Date & Time: 6/20/18 7:40 AM	Date & Time Completed: 6/21/18 2:30 PM		
Coordinates (Feet): N 2807328.519	E 763820.603	Driller's Name: Jimmy	Helper's Name:	
Ground Elevation (Feet): 63.00	Inspector's Name (PRINT): Ally Huffman	Inspector's Signature:	Drilling Contractor: New England Boring, Inc.	

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-13	60-62	4-5-4-6		12	Wet, loose, gray SAND, some silt	
S-14	65-67	6-8-10-9		12	Wet, medium dense, gray, SAND, some gravel	
S-15	70-72	6-7-9-10		18	Wet, medium dense, gray, FINE SAND	
S-16	75-77	5-8-9-5		10	Wet, medium dense, gray, FINE SAND	
S-17	80-82	10-13-15-11		12	Wet, medium dense, gray, FINE SAND	
S-18	85-87	12-15-17-22		22	Wet, medium dense, gray, FINE SAND	88'
					TOP OF POTENTIAL ROCK @ 88'	

0 / −5 / −10 / −15 / −20 / −25

APPROX. TOP OF BEDROCK AND PILE TIP ELEV. = −25.00

BORING NO. WB-4 (3 OF 4)

massDOT Boring Log	Comprehensive Environmental Inc. 41 Main Street, Bolton, MA 01740			Boring No. WB-4 Scale: 1" = 5'
City/Town: Taunton	Bridge Number: T-01-024	Project File Number: 608616		Contract Number:
Location: Scadding St. over Snake River		Date & Time Started: 6/19/18 10:00AM		Total Hours: 16.5
Groundwater Depth (Feet): 8	Date & Time: 6/20/18 7:40 AM	Date & Time Completed: 6/21/18 2:30 PM		
Coordinates (Feet): N 2807328.519	E 763820.603	Driller's Name: Jimmy	Helper's Name:	
Ground Elevation (Feet): 63.00	Inspector's Name (PRINT): Ally Huffman	Inspector's Signature:	Drilling Contractor: New England Boring, Inc.	

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-18	88-91	4-5-4-6		12	Rock Core attempted at 88' and advanced until 91'. At 91', a loose SAND was encountered. Boring could not be continued without potential damage to casing.	91'
					BOTTOM OF EXPLORATION @ 91'	

Remarks: Autohammer used for both split spoon sampler and driving casing.

Arrow-Board: 0
Signs: 0
Cones: 0

Protective Device - Stand: Box:
Well Depth: Solid Pipe:
Stick Up Pipe: Screen Pipe:

Type of Drill Rig: Drive & Wash
Casing Type: HW Size: 4in
Hammer Weight: 140lbs Fall: 30in
Depth: Driven to 91ft
Sampler Type: Split Spoon Size: 2in
Automatic Hammer Weight: 140 lbs
Safety Hammer weight:
Donut Hammer Weight: Fall:

Penetration Resistance (N) Guide

Cohesionless Soils (Sands, Gravels)		Cohesive Soils (Silts, Clays)	
Relative Density	Penetration Resistance	Consistency	Penetration Resistance
Very Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Medium Dense	10 - 30	Medium Stiff	4 - 8
Dense	30 - 50	Stiff	8 - 15
Very Dense	Over 50	Very Stiff	15 - 30
		Hard	Over 30

N = Sum of Second and Third 6" Blow Counts
Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Core Barrel Type: NX Size: 2.125in

BORING NO. WB-4 (4 OF 4)

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	25	67
PROJECT FILE NO. 608616			

BORING LOGS – 7 OF 8

NOTE:

FOR BORING NOTES, SEE SHEET 3 OF 38.

DATE	DESCRIPTION
JULY 12, 2025	ISSUED FOR CONSTRUCTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER

USE ONLY PRINTS OF LATEST DATE

608616_BR3-10(T01024).DWG Plotted on 24-Jun-2025 9:56 AM

FINAL BRIDGE SUBMISSION - (SF) 28-MARCH-2025

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	26	67
PROJECT FILE NO. 608616			

BORING LOGS – 8 OF 8

NOTE:

FOR BORING NOTES, SEE SHEET 3 OF 38.

GROUND WATER ELEV. = 53.00

BOT. OF PILE CAP ELEV. = 52.00

Comprehensive Environmental Inc.
41 Main Street, Bolton, MA 01740
Boring Log

Boring No. WB-6
Scale: 1" = 5'
City/Town: Taunton | Bridge Number: T-01-024 | Project File Number: 608616 | Contract Number:
Location: Scadding St. over Snake River | Date & Time Started: 6/22/18 10:00 AM | Total Hours: 20
Groundwater Depth (Feet): 8 | Date & Time: 6/20/18 7:40 AM | Date & Time Completed: 6/27/18 12:30 PM
Coordinates (Feet): N 2807707.899 E 763828.364 | Driller's Name: Jimmy | Helper's Name:
Ground Elevation (Feet): 61.00 | Inspector's Name (PRINT): Ally Huffman | Inspector's Signature: | Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-1	0-2	5-3-3-4		12	Dry, loose, brown, FINE SAND	
S-2	5-7	1-2-2-4		8	Moist, very loose, brown, FINE SAND	
S-3	10-12	2-4-6-9		8	Wet, loose, gray, FINE SAND, some silt	
S-4	15-17	5-5-6-9		8	Wet, medium dense, gray, FINE SAND, some silt	
S-5	20-22	3-5-7-8		12	Wet, medium dense, gray, FINE SAND, some silt	
S-6	25-27	1-2-4-6		10	Wet, loose, gray, FINE SAND, some silt, trace gravel	

Remarks: Autohammer used for both split spoon sampler and driving casing.

BORING NO. WB-6 (1 OF 4)

Comprehensive Environmental Inc.
41 Main Street, Bolton, MA 01740
Boring Log

Boring No. WB-6
Scale: 1" = 5'
City/Town: Taunton | Bridge Number: T-01-024 | Project File Number: 608616 | Contract Number:
Location: Scadding St. over Snake River | Date & Time Started: 6/22/18 10:00 AM | Total Hours: 20
Groundwater Depth (Feet): 8 | Date & Time: 6/20/18 7:40 AM | Date & Time Completed: 6/27/18 12:30 PM
Coordinates (Feet): N 2807707.899 E 763828.364 | Driller's Name: Jimmy | Helper's Name:
Ground Elevation (Feet): 61.00 | Inspector's Name (PRINT): Ally Huffman | Inspector's Signature: | Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-13	60-62	13-21-53-32		24	Wet, very dense, gray, SILT, some clay, trace sand	
S-14	65-67	22-17-16-10		16	Wet, very dense, gray, SILT, some clay, trace sand	
S-15	70-72	11-9-11-10		12	Wet, medium dense, gray, SILT, some clay	
S-16	75-77	W.O.R.		24	Wet, very soft, gray, CLAY and SILT	
S-17	80-82	W.O.R.-3-9-4		18	Wet, very soft, gray, CLAY and SILT to Wet, loose, gray, SILT, trace clay, trace sand	
S-18	85-87	2-7-11-12		10	Wet, medium dense, gray, SILT, some sand	

BORING NO. WB-6 (3 OF 4)

Comprehensive Environmental Inc.
41 Main Street, Bolton, MA 01740
Boring Log

Boring No. WB-6A
Scale: 1" = 5'
City/Town: Taunton | Bridge Number: T-01-024 | Project File Number: 608616 | Contract Number:
Location: Scadding St. over Snake River | Date & Time Started: 8/20/18 11:00 AM | Total Hours: 20
Groundwater Depth (Feet): N/A continuation of boring WB-6 | Date & Time Completed: 8/20/18 2:00 PM
Coordinates (Feet): N 2807715 E 763833 | Driller's Name: John Galvin | Helper's Name:
Ground Elevation (Feet): 61.00 | Inspector's Name (PRINT): Ally Huffman | Inspector's Signature: | Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
	68'					
RC-1	81.5-86.5	Approx. 5-6min/ft		60	This boring was done about 3 ft up the boat ramp in the north-west direction from boring WB-6. 5 in. casing was driven to 50 ft. then 4 in. casing was driven to 80 ft with no sampling. 81.5-86.5': Polymodal clast supported conglomerate. Clasts are rounded to subangular, primarily cobble sized, but range to fine gravel sized. Rock was hit at 81.5 ft and a 5 ft rock core was retrieved with 5 ft of recovery. The core took 5 to 6 minutes per foot. When the next 5 ft. rock core was attempted, sand blew up casing 3 ft. The driller tried to advance through the rock with tricone bit, but it broke and steel was at the bottom of the hole - hole was abandoned and end of boring at 86.5 ft.	
					BORING ABANDONED @ 86.5'	86.5'

Remarks: Autohammer used for both split spoon sampler and driving casing.
Arrow-Board: 0 | Signs: 0 | Cones: 0
Protective Device - Stand: Box: | Well Depth: Solid Pipe: | Stick Up Pipe: Screen Pipe:

Penetration Resistance (N) Guide

Cohesionless Soils (Sands, Gravels)		Cohesive Soils (Silts, Clays)	
Relative Density	Penetration Resistance	Consistency	Penetration Resistance
Very Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Medium Dense	10 - 30	Medium Stiff	4 - 8
Dense	30 - 50	Stiff	8 - 15
Very Dense	Over 50	Very Stiff	15 - 30
		Hard	Over 30

N = Sum of Second and Third 6" Blow Counts
Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Type of Drill Rig: Drive & Wash
Casing Type: HW Size: 3in
Hammer Weight: 140lbs Fall: 30in
Depth: Driven to 91ft
Sampler Type: Split Spoon Size: 2in
Automatic Hammer Weight: 140 lbs
Safety Hammer weight:
Donut Hammer Weight: Fall:
Core Barrel Type: NX Size: 2.154in

BORING NO. WB-6A (1 OF 1)

APPROX. TOP OF BEDROCK AND PILE TIP ELEV. = −30.00

Comprehensive Environmental Inc.
41 Main Street, Bolton, MA 01740
Boring Log

Boring No. WB-6
Scale: 1" = 5'
City/Town: Taunton | Bridge Number: T-01-024 | Project File Number: 608616 | Contract Number:
Location: Scadding St. over Snake River | Date & Time Started: 6/22/18 10:00 AM | Total Hours: 20
Groundwater Depth (Feet): 8 | Date & Time: 6/20/18 7:40 AM | Date & Time Completed: 6/27/18 12:30 PM
Coordinates (Feet): N 2807707.899 E 763828.364 | Driller's Name: Jimmy | Helper's Name:
Ground Elevation (Feet): 61.00 | Inspector's Name (PRINT): Ally Huffman | Inspector's Signature: | Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
S-7	30-32	3-4-6-14		16	Wet, medium dense, gray, FINE SAND, some silt	
S-8	35-37	1-2-2-4		12	Wet, loose, gray, FINE SAND, some silt	
S-9	40-42	4-3-3-6		18	Wet, loose, gray, FINE SAND, some silt	
S-10	45-47	9-6-8-14		22	Wet, medium dense, gray, FINE SAND and SILT, trace gravel	
S-11	50-52	2-4-7-8		18	Wet, medium dense, gray, FINE SAND and SILT	
S-12	55-57	8-9-8-14		16	Wet, medium dense, gray, FINE SAND and SILT	

BORING NO. WB-6 (2 OF 4)

Comprehensive Environmental Inc.
41 Main Street, Bolton, MA 01740
Boring Log

Boring No. WB-6
Scale: 1" = 5'
City/Town: Taunton | Bridge Number: T-01-024 | Project File Number: 608616 | Contract Number:
Location: Scadding St. over Snake River | Date & Time Started: 6/22/18 10:00 AM | Total Hours: 20
Groundwater Depth (Feet): 8 | Date & Time: 6/20/18 7:40 AM | Date & Time Completed: 6/27/18 12:30 PM
Coordinates (Feet): N 2807707.899 E 763828.364 | Driller's Name: Jimmy | Helper's Name:
Ground Elevation (Feet): 61.00 | Inspector's Name (PRINT): Ally Huffman | Inspector's Signature: | Drilling Contractor: New England Boring, Inc.

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches / Coring Times Minutes per Foot	Casing Blow Counts per Foot	Recovery (inches)	Field Description	Strata Changes
					TOP OF BEDROCK @ 91'	91'
RC-1	91-96	5:25 5:30 6:00 5:30 3:30		48	91'-95.5' Polymodal clast supported conglomerate. Clasts are rounded to subangular, primarily cobble sized, but range to fine gravel sized. REC = 48"/60" = 80% Encountered sand seam @ approx. depth 95.5'. Attempted to replace cutting shoe and sand blew up casing approx. 27 feet. Hole was abandoned @ 96'	
					BOTTOM OF EXPLORATION @ 96'	96'
					A second boring was done about 3 ft up the boat ramp in the north-west direction from boring WB-6. 5 in. casing was driven to 50 ft. then 4 in. casing was driven to 80 ft with no sampling.	

Remarks: Autohammer used for both split spoon sampler and driving casing.
Arrow-Board: 0 | Signs: 0 | Cones: 0
Protective Device - Stand: Box: | Well Depth: Solid Pipe: | Stick Up Pipe: Screen Pipe:

Penetration Resistance (N) Guide

Cohesionless Soils (Sands, Gravels)		Cohesive Soils (Silts, Clays)	
Relative Density	Penetration Resistance	Consistency	Penetration Resistance
Very Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Medium Dense	10 - 30	Medium Stiff	4 - 8
Dense	30 - 50	Stiff	8 - 15
Very Dense	Over 50	Very Stiff	15 - 30
		Hard	Over 30

N = Sum of Second and Third 6" Blow Counts
Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Type of Drill Rig: Drive & Wash
Casing Type: HW Size: 4in
Hammer Weight: 140lbs Fall: 30in
Depth: Driven to 91ft
Sampler Type: Split Spoon Size: 2in
Automatic Hammer Weight: 140 lbs
Safety Hammer weight:
Donut Hammer Weight: Fall:
Core Barrel Type: NX Size: 2.125in

BORING NO. WB-6 (4 OF 4)

JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

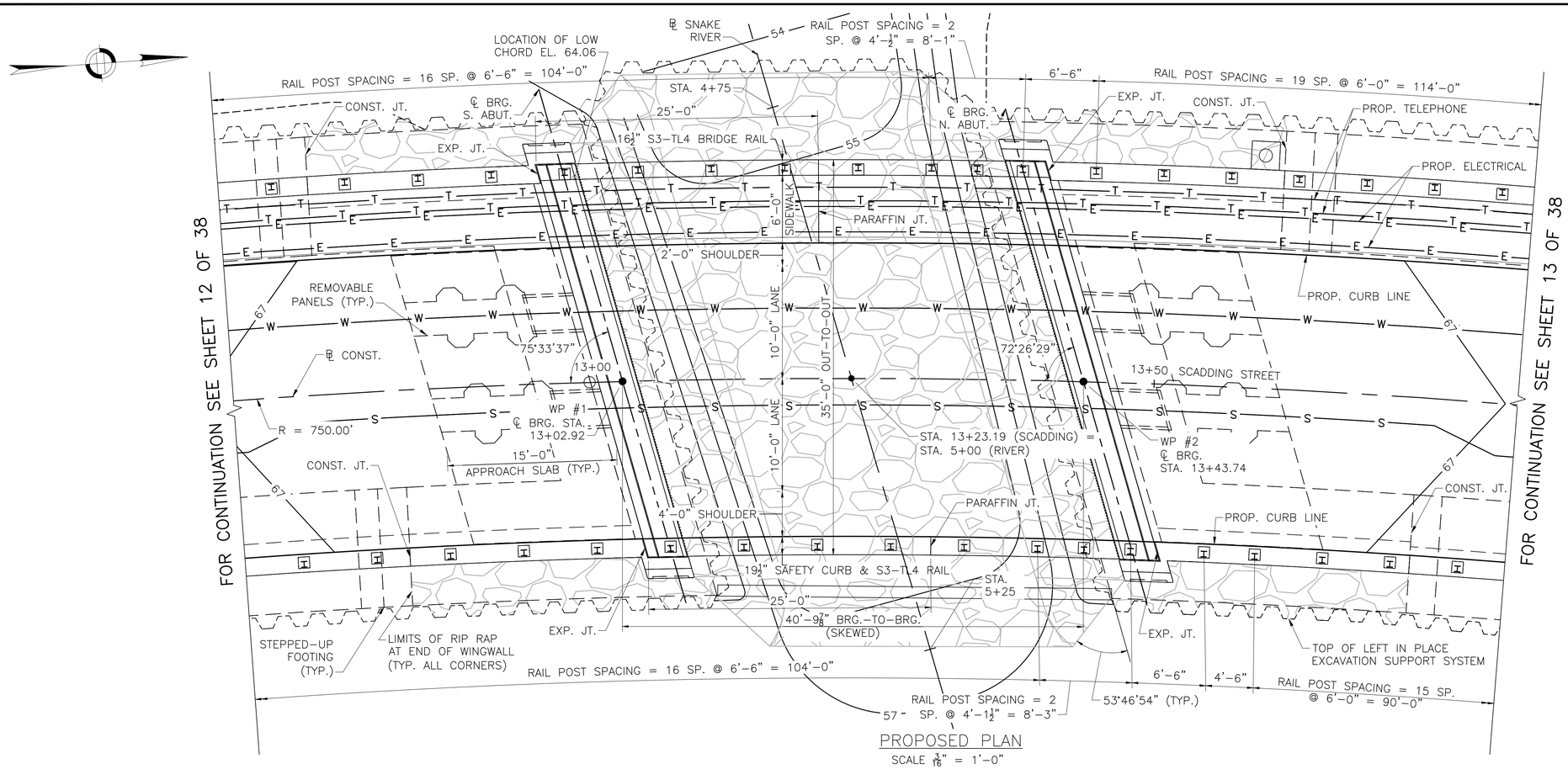
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

608616_BR3-10(T01024).DWG Plotted on 24-Jun-2025 9:56 AM
FINAL BRIDGE SUBMISSION - (SF) 28-MARCH-2025

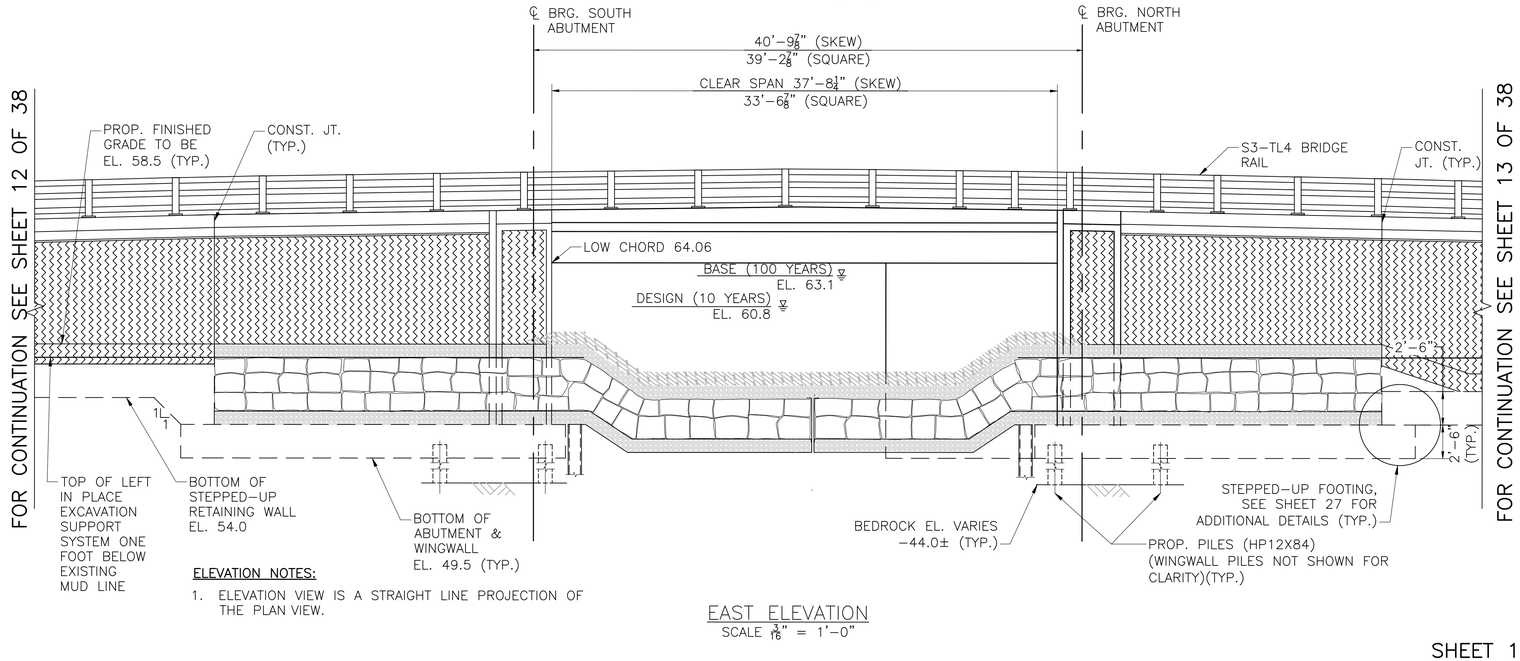
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	27	67
PROJECT FILE NO. 608616			

BRIDGE PLAN AND ELEVATION – 1 OF 3



PROPOSED PLAN
SCALE 3/16" = 1'-0"



ELEVATION NOTES:

1. ELEVATION VIEW IS A STRAIGHT LINE PROJECTION OF THE PLAN VIEW.

EAST ELEVATION
SCALE 3/16" = 1'-0"

NOTE:

SKEW ANGLE IS MEASURED FROM THE LOCAL TANGENT AT THE WORKING POINT.

NOTE:

FOR LIMITS OF CRUSHED STONE FOR BRIDGE FOUNDATIONS, SEE SHEETS 16 AND 26.

FOR CHANNEL SECTIONS, SEE SHEET 16.

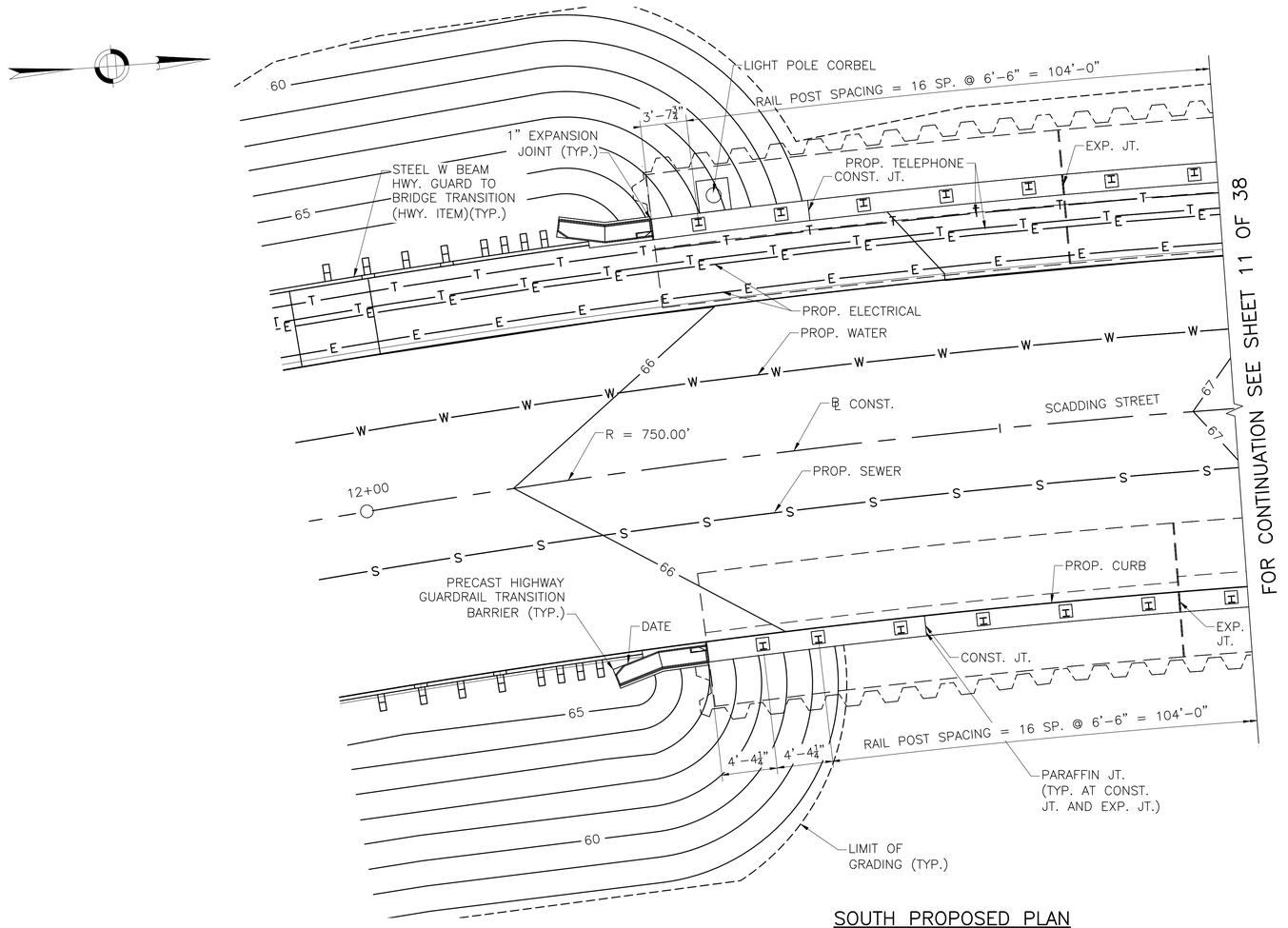
JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

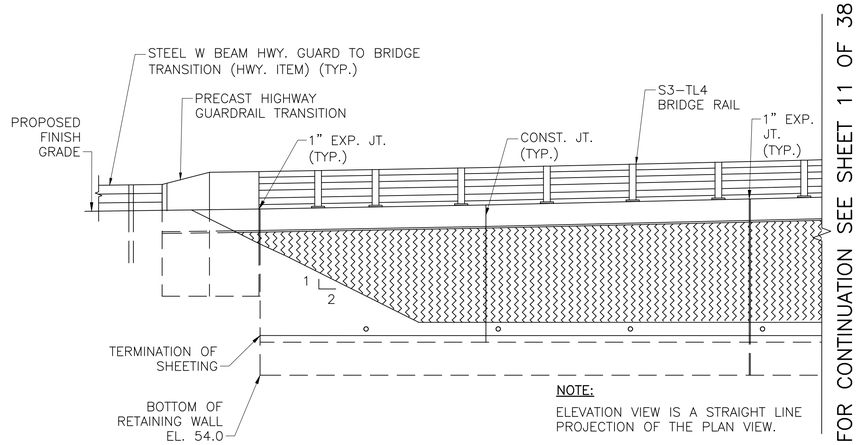
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	28	67
PROJECT FILE NO. 608616			

BRIDGE PLAN AND ELEVATION – 2 OF 3



SOUTH PROPOSED PLAN
SCALE $\frac{3}{16}$" = 1'–0"



SOUTHEAST ELEVATION
SCALE $\frac{3}{16}$" = 1'–0"

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DATE	DESCRIPTION

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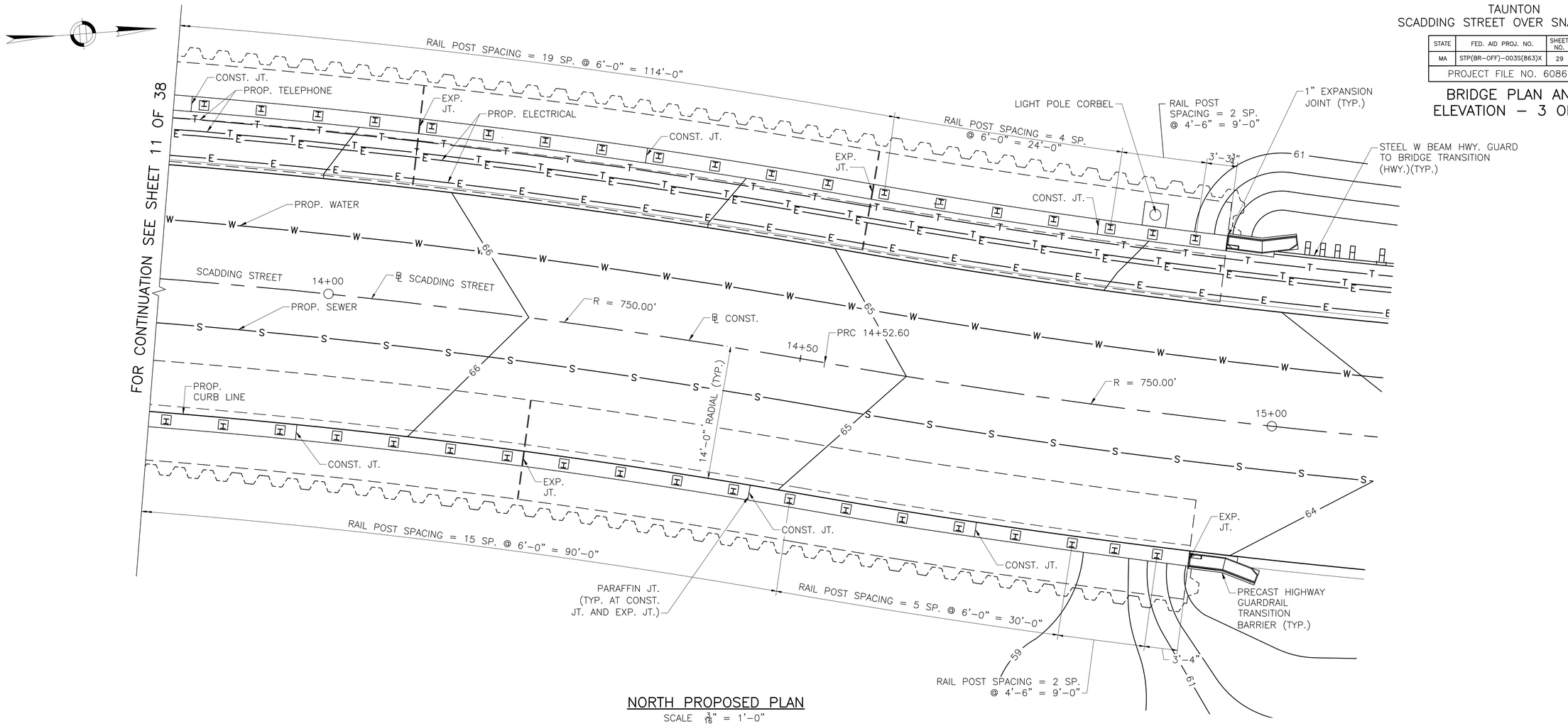
TAUNTON
SCADDING STREET OVER SNAKE RIVER

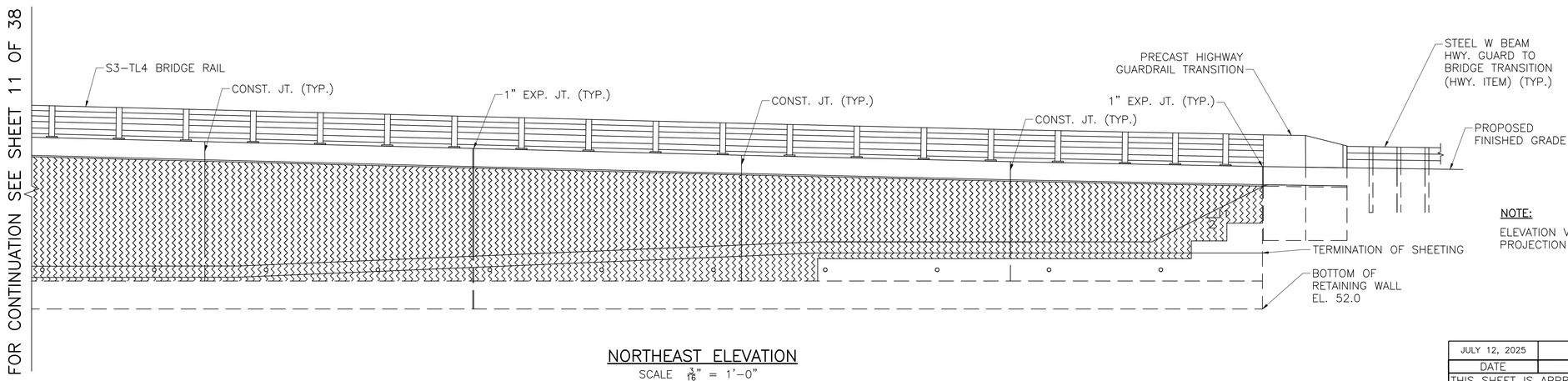
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	29	67
PROJECT FILE NO. 608616			

BRIDGE PLAN AND ELEVATION – 3 OF 3



NORTH PROPOSED PLAN

SCALE $\frac{3}{16}$" = 1'-0"



NORTHEAST ELEVATION

SCALE $\frac{3}{16}$" = 1'-0"

NOTE:

ELEVATION VIEW IS A STRAIGHT LINE PROJECTION OF THE PLAN VIEW.

DATE	DESCRIPTION
JULY 12, 2025	ISSUED FOR CONSTRUCTION

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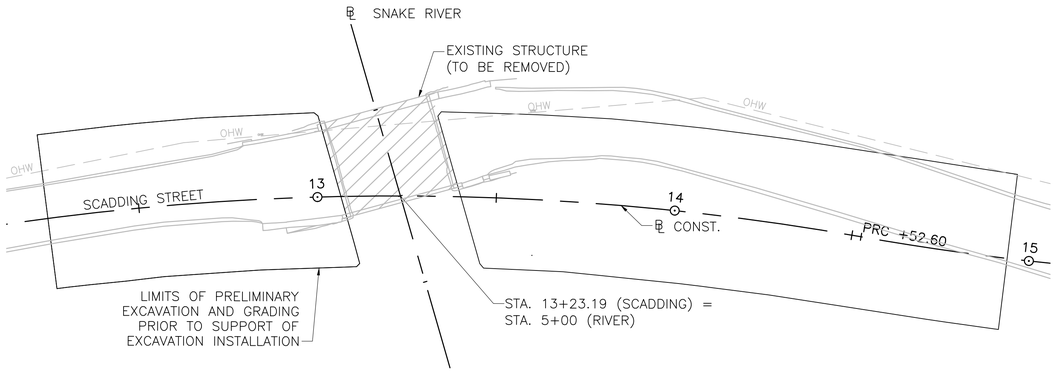
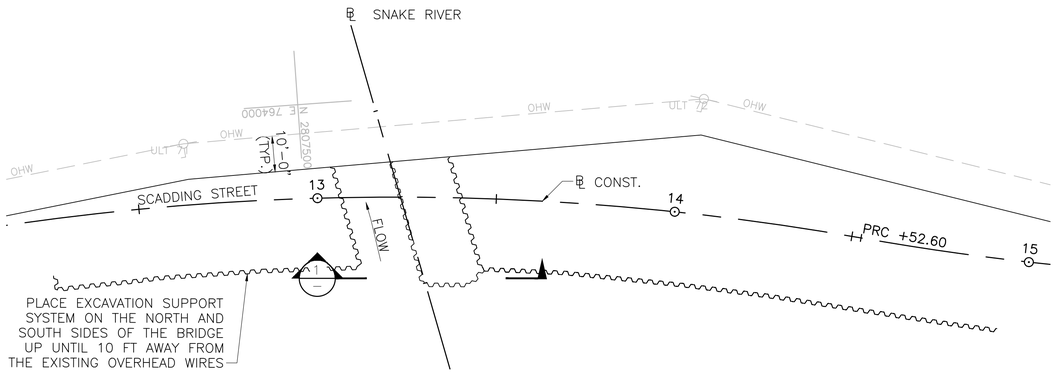
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	30	67
PROJECT FILE NO. 608616			

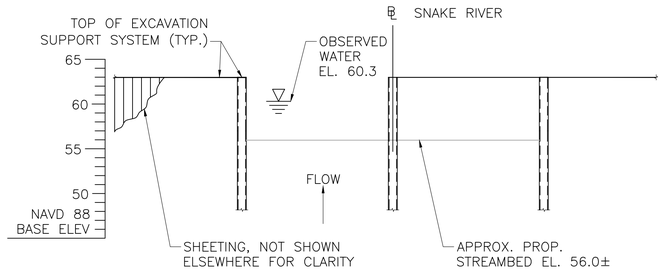
CONSTRUCTION SEQUENCE – 1 OF 2



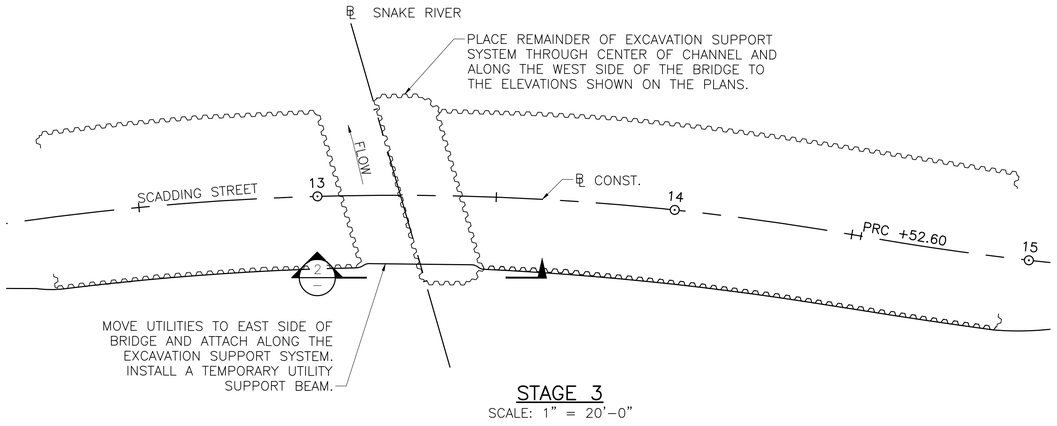
STAGE 1
SCALE: 1" = 20'-0"



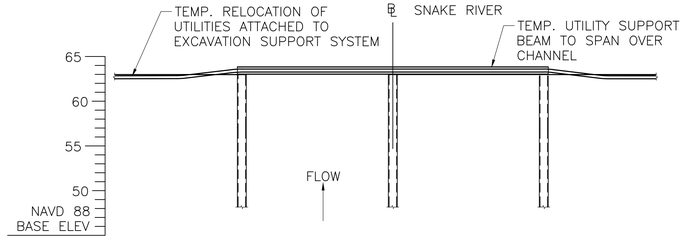
STAGE 2
SCALE: 1" = 20'-0"



SECTION 1 – STA. 5+25 (RIVER)
SCALE: 1/8" = 1'-0"



STAGE 3
SCALE: 1" = 20'-0"



SECTION 2 – STA. 5+25 (RIVER)
SCALE: 1/8" = 1'-0"

SUGGESTED CONSTRUCTION SEQUENCE NOTES

1. EAST SIDE CROSS SECTIONS SHOWN. SEE SHEET 16 FOR WEST SIDE.
2. SEE SHEET 11 FOR BRIDGE ELEVATION VIEW.
3. SEE SHEET 26 FOR APPROACH ROADWAY SECTION.
4. SEE APPLICABLE DRAWINGS FOR INFORMATION NOT SHOWN HERE.

STAGE 1

1. INSTALL TRAFFIC CONTROLS, IMPLEMENT FULL DETOUR AND CLOSE SCADDING STREET. SEE TRAFFIC MANAGEMENT PLANS.
2. INSTALL SEDIMENTATION AND EROSION CONTROLS. INSTALL FLOATING TURBIDITY BARRIER IN SNAKE RIVER.
3. PERFORM SITE CLEARING.
4. EXCAVATE AND GRADE AS REQUIRED TO CREATE LEVEL WORK ZONES TO PERMIT EQUIPMENT ACCESS AND INSTALLATION OF EXCAVATION SUPPORT SYSTEM.
5. INSTALL DEBRIS SHIELD AND DISCONNECT SWITCHES ON EITHER SIDE OF THE EXISTING BRIDGE.
6. TEMPORARILY DE-ENERGIZE EXISTING OVERHEAD ELECTRICAL LINES. DEMOLISH EXISTING BRIDGE T-01-024 (3LY) SUPERSTRUCTURE.
7. REMOVE DEBRIS SHIELD AND COMPLETE DEMOLITION OF EXISTING BRIDGE SUBSTRUCTURE. REMOVE ANY REMAINING DEMOLITION DEBRIS FROM RIVER.

STAGE 2

1. INSTALL EXCAVATION SUPPORT SYSTEM AND CONTROL OF WATER MEASURES TO 10'-0" FROM THE EXISTING UTILITY LINES AND TO THE ELEVATIONS SHOWN ON THE PLANS.
2. DIVERT ALL FLOW TO SOUTH HALF OF RIVER CHANNEL.

STAGE 3

1. MOVE UTILITY LINES TO THE EAST SIDE OF THE BRIDGE TO BE SUPPORTED BY THE EXCAVATION SUPPORT SYSTEM AND A UTILITY SUPPORT BEAM TO SPAN OVER THE CHANNEL. SEE UTILITY NOTES SHEET 2.
2. INSTALL THE REMAINING EXCAVATION SUPPORT SYSTEM ON THE WEST SIDE OF THE BRIDGE.
3. DE-WATER NORTH RIVER BED.

JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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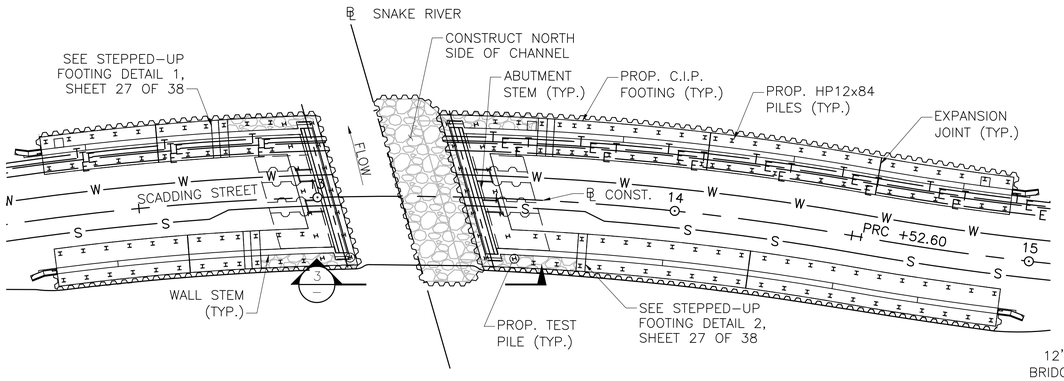
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

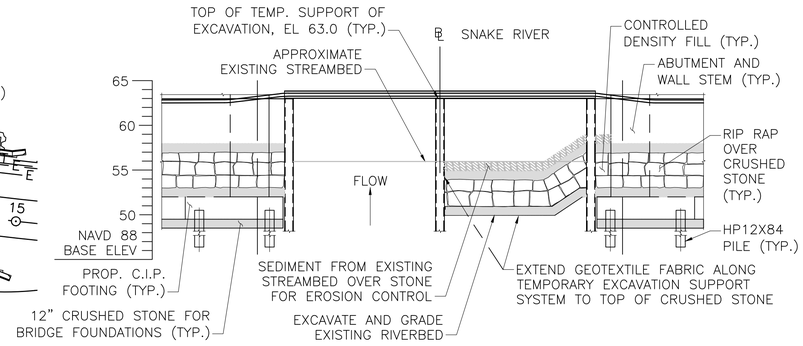
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	31	67
PROJECT FILE NO. 608616			

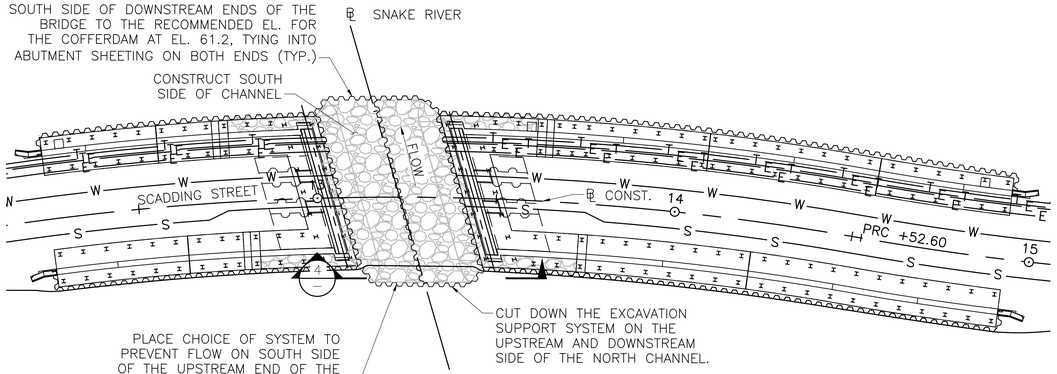
CONSTRUCTION SEQUENCE – 2 OF 2



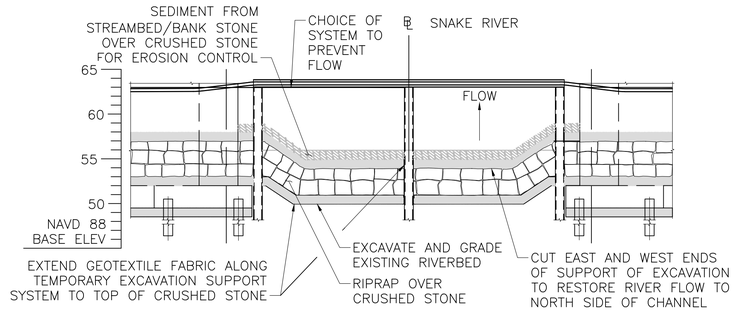
STAGE 4
SCALE: 1" = 20'–0"



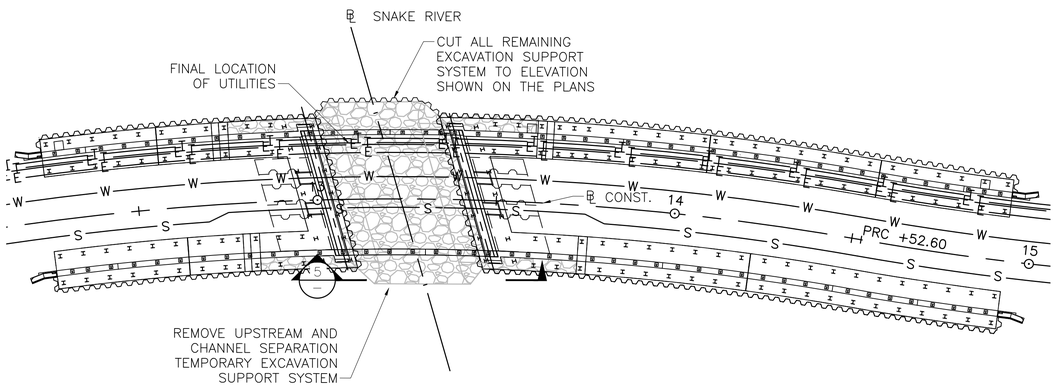
SECTION 3 – STA. 5+25 (RIVER)
SCALE: $\frac{1}{8}$" = 1'–0"



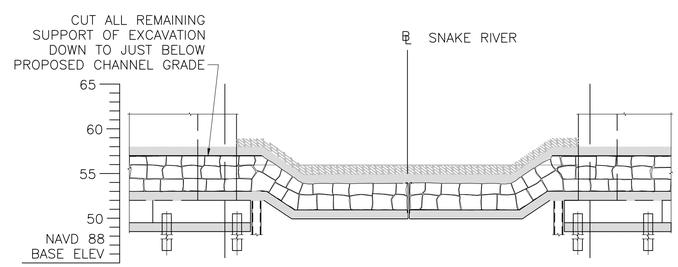
STAGE 5
SCALE: 1" = 20'–0"



SECTION 4 – STA. 5+25 (RIVER)
SCALE: $\frac{1}{8}$" = 1'–0"



STAGE 6
SCALE: 1" = 20'–0"



SECTION 5 – STA. 5+25 (RIVER)
SCALE: $\frac{1}{8}$" = 1'–0"

STAGE 4

1. INSTALL TEST PILES AND PERFORM PILE TESTS.
2. INSTALL REMAINING PRODUCTION PILES ON NORTH AND SOUTH APPROACHES.
3. PREPARE FOOTING SUBSTRATES AND PLACE CRUSHED STONE.
4. CONSTRUCT ABUTMENT AND WALL FOOTINGS AND STEMS. BACKFILL AND COMPACT IN FRONT OF AND BEHIND RETAINING WALLS.
5. EXCAVATE AND GRADE NORTH HALF OF CHANNEL RIVER BED TO PROPOSED PROFILE. STOCKPILE EXISTING RIVER BED MATERIAL ON SITE.
6. INSTALL ALL APPROACH CONDUIT FOR SIGNALS AND ELECTRICAL. INSTALL FUTURE SEWER AND WATER LINES IN BOTH APPROACHES.
7. CONSTRUCT APPROACH SLABS.

STAGE 5

1. CUT THE EASTERN AND WESTERN ENDS OF THE NORTH HALF OF THE CHANNEL DOWN TO THE PROPOSED RIVER BED ELEVATION AND RESTORE CHANNEL FLOW.
2. CONSTRUCT EXCAVATION SUPPORT SYSTEM FOR SOUTH HALF OF CHANNEL, DIVERT ALL FLOW TO NORTH RIVER CHANNEL. DE–WATER SOUTH RIVER BED. EXCAVATION SUPPORT SYSTEM IS CLOSE TO ENERGIZED POWER LINES THEREFORE CONTRACTOR MAY CHOOSE TO USE PORTA–DAMS.
3. EXCAVATE AND GRADE SOUTH HALF OF CHANNEL RIVER BED TO PROPOSED PROFILE. STOCKPILE EXISTING RIVER BED MATERIAL ON SITE.
4. INSTALL CRUSHED STONE, RIP RAP AND COVER SOUTH HALF OF CHANNEL WITH RECLAIMED EXISTING RIVER BED MATERIALS.

STAGE 6

1. CONSTRUCT ABUTMENT KEEPER BLOCKS AND BACKWALLS.
2. REMOVE WEST HALF OF CHANNEL SEPARATION TEMPORARY EXCAVATION SUPPORT SYSTEM.
3. ERECT WESTERN MOST NEXT D BEAM AND INSTALL PROPOSED UTILITY CONDUITS. RELOCATE ELECTRICAL AND COMMUNICATIONS LINES FROM TEMPORARY SUPPORT TO PERMANENT LOCATION ON THE NEW STRUCTURE. REMOVE TEMPORARY UTILITY SUPPORT.
4. REMOVE REMAINING CHANNEL SEPARATION AND UPSTREAM TEMPORARY EXCAVATION SUPPORT SYSTEM. CUT ALL REMAINING SUPPORT OF EXCAVATION WITHIN THE CHANNEL DOWN TO TOP OF RIP RAP ELEVATION TO RESTORE FULL CHANNEL FLOW. CUT ALL REMAINING SUPPORT OF EXCAVATION ON APPROACHES DOWN TO FINAL PERMANENT ELEVATIONS.
5. ERECT REMAINING NEXT D BEAMS AND INSTALL FUTURE WATER AND SEWER LINES.
6. PLACE CLOSURE POUR AND END DIAPHRAGM CONCRETE. CONSTRUCT REMOVABLE PORTIONS OF APPROACH SLABS.
7. COMPLETE APPROACH ROADWAY GRADING.
8. INSTALL PRECAST HIGHWAY GUARDRAIL TRANSITION BARRIERS AND CONSTRUCT BRIDGE AND RETAINING WALL SIDEWALKS AND SAFETY CURBS.
9. INSTALL SPRAY APPLIED MEMBRANE WATERPROOFING ON BRIDGE AND PAVE APPROACHES AND BRIDGE DECK.
10. INSTALL BRIDGE AND WINGWALL TYPE S3–TL4 RAIL, ROADWAY LINE STRIPING AND SIGNAGE.
11. REMOVE TRAFFIC CONTROL DEVICES, TERMINATE DETOUR AND OPEN ROADWAY TO VEHICULAR AND PEDESTRIAN TRAFFIC.
12. REMOVE REMAINING SEDIMENTATION AND EROSION CONTROL DEVICES. LOAM AND SEED DISTURBED APPROACH EMBANKMENTS.

JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

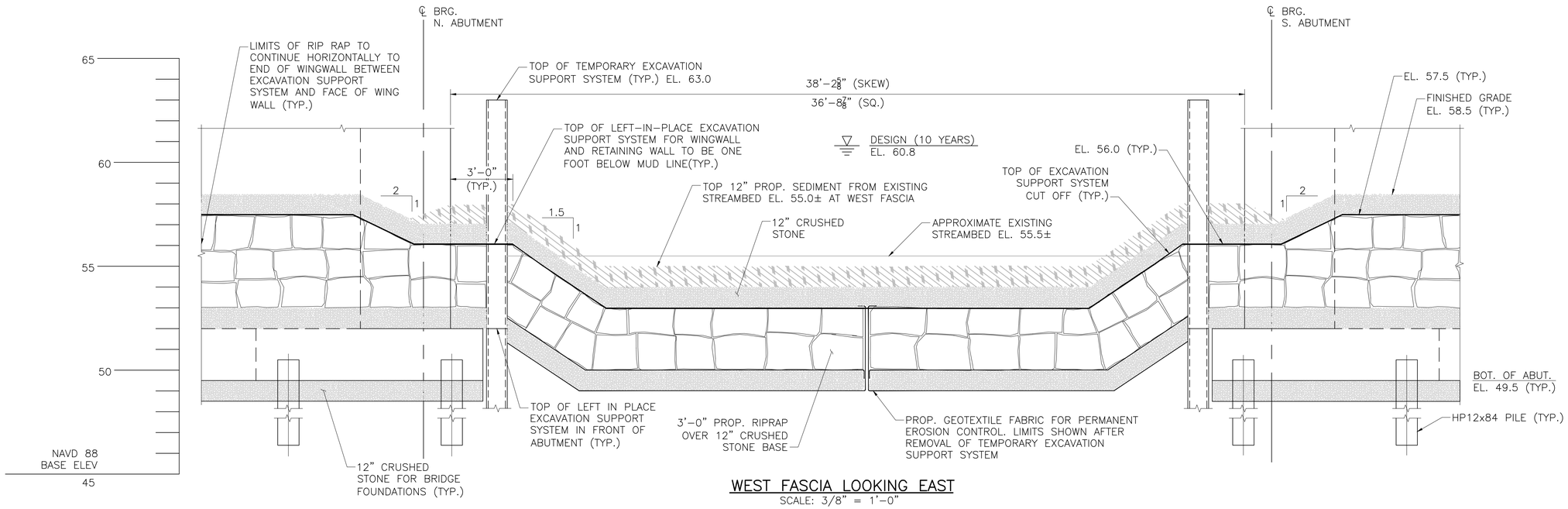
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

608616_BR14-15(T01024).DWG Plotted on 24-Jun-2025 10:06 AM
FINAL BRIDGE SUBMISSION - (SF) 28-MARCH-2025

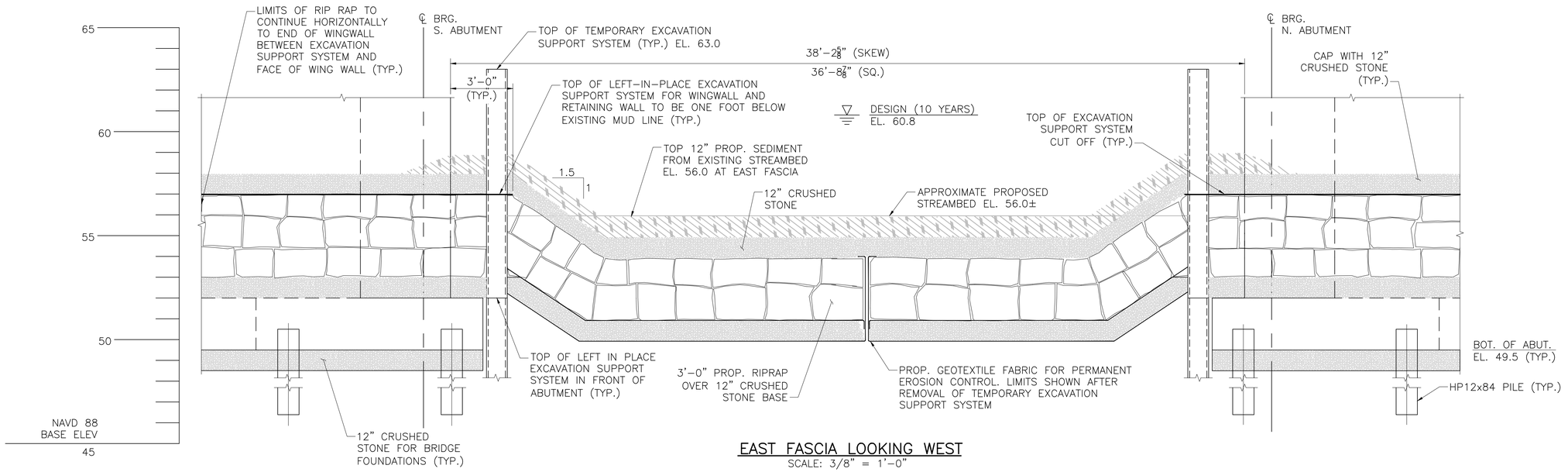
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	32	67
PROJECT FILE NO. 608616			

CHANNEL SECTIONS



WEST FASCIA LOOKING EAST
SCALE: 3/8" = 1'-0"



EAST FASCIA LOOKING WEST
SCALE: 3/8" = 1'-0"

DATE	DESCRIPTION
JULY 12, 2025	ISSUED FOR CONSTRUCTION

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AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
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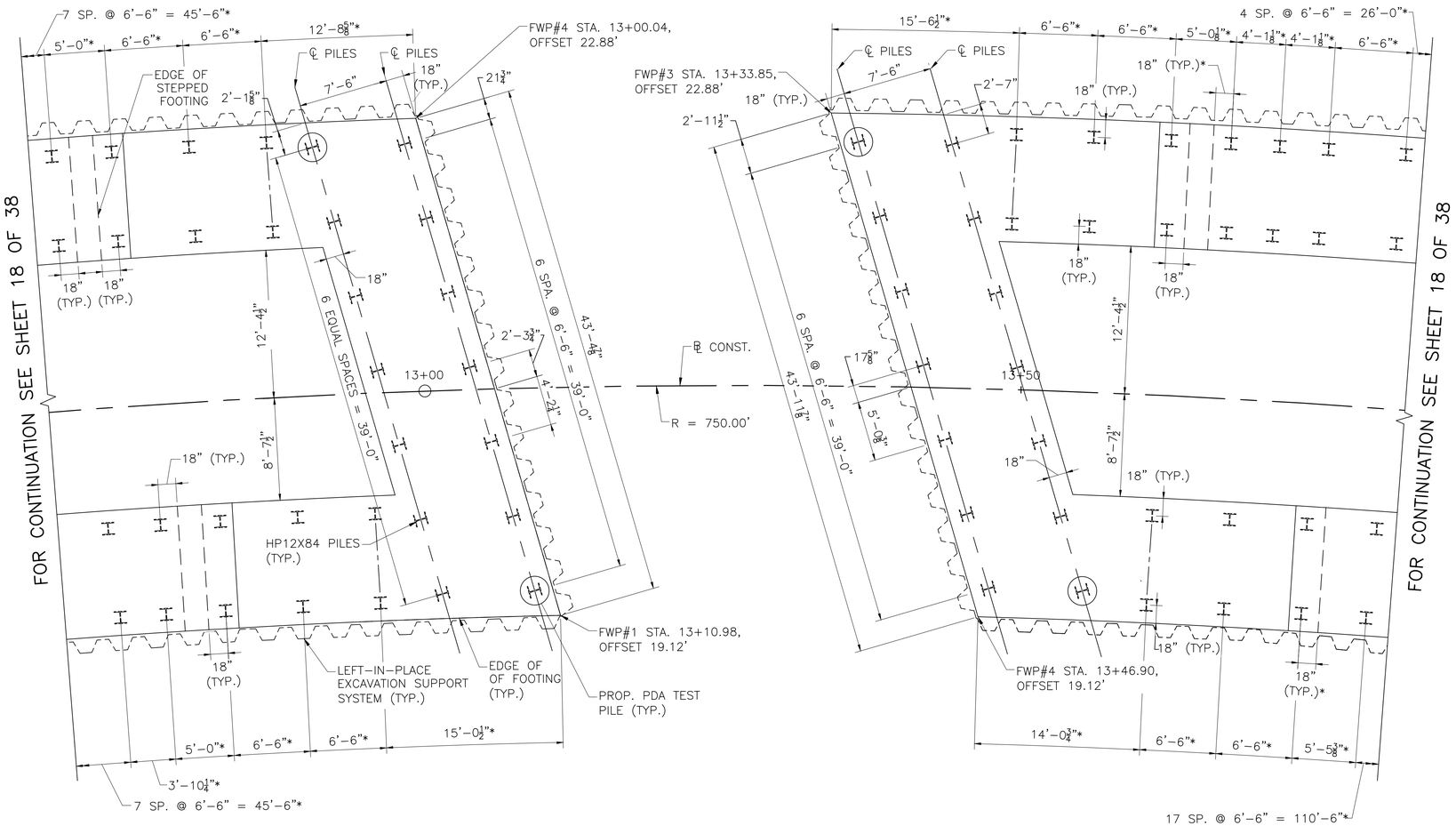
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	33	67
PROJECT FILE NO. 608616			

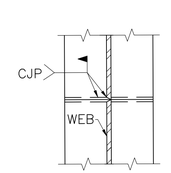
FOUNDATION AND PILE LAYOUT PLAN – 1 OF 2



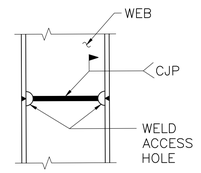
NOTE:
* DENOTES DIMENSION IS MEASURED RADIALLY THRU CENTERLINE OF OUTSIDE ROW OF PILES

FOUNDATION AND PILE LAYOUT PLAN
SCALE 3/16" = 1'-0"

FOUNDATION WORKING POINT COORDINATES		
DESCRIPTION	NORTHING	EASTING
F.W.P. #1	2807520.8552	763796.7856
F.W.P. #2	2807512.0069	763754.2891
F.W.P. #3	2807546.7734	763756.5678
F.W.P. #4	2807555.7402	763799.6331



TYPICAL SECTION AT SPLICE



ELEVATION

H-PILE SPLICE DETAILS
NOT TO SCALE

H-PILE SPLICE NOTES:

1. ALL WELDS SHALL BE COMPLETE PENETRATION AND SHALL CONFORM TO THE ANSI/AASHTO/AWS BRIDGE WELDING CODE, D1.5.
2. WELDING PROCEDURE SPECIFICATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO WELDING.
3. WHENEVER POSSIBLE ALL PILES SHALL BE SPLICED ON THE GROUND IN THE FLAT POSITION.
4. WEB SHALL BE COPED TO ALLOW FOR COMPLETE PENETRATION WELDING OF FLANGES.
5. WELDED MECHANICAL PILE SPLICERS MAY BE USED PROVIDED THAT COMPLETE DETAILS AND WELDING PROCEDURES HAVE BEEN REVIEWED AND APPROVED BY THE ENGINEER.
6. IF THE SPLICE LOCATION OCCURS WITHIN 15 FEET FROM THE BOTTOM OF THE ABUTMENT/WINGWALL/RETAINING WALL, ALL WELDS SHALL BE INSPECTED USING ULTRASONIC TESTING IN ACCORDANCE WITH THE BRIDGE WELDING CODE, ANSI/AASHTO/AWS D1.5. WELDS IN THIS LOCATION WILL BE CONSIDERED TO BE IN TENSION.

ABUTMENT PILE NOTES:

1. PILES SHALL CONFORM TO AASHTO M270 GRADE 50.
2. HEAVY DUTY PILE SHOES SHALL BE INSTALLED ON THE TIPS OF ALL PILES. PREFABRICATED PILE SHOES MAY BE USED IF APPROVED BY THE ENGINEER.
3. TOTAL FACTORED AXIAL DESIGN LOAD PER PILE IS 295.90 KIPS PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS STRENGTH I LOAD COMBINATION. TOTAL FACTORED AXIAL DESIGN LOAD PER PILE INCLUDES THE UNFACTORED DOWN DRAG FORCE OF 97.90 KIPS AND A FACTORED AXIAL LOAD OF 198.00 KIPS.
4. ABUTMENT PILES SHALL BE DRIVEN TO BEDROCK WITH THE ESTIMATED TIP ELEVATION AT EL.-44. THE FACTORED STRUCTURAL RESISTANCE PER PILE IS 415 KIPS AND IS THE PRODUCT OF THE NOMINAL STRUCTURAL RESISTANCE OF 830 KIPS AND A RESISTANCE FACTOR OF 0.50.
5. DETERMINATION OF THE DRIVEN PILE RESISTANCE, PILE DRIVING CRITERIA, AND PILE INTEGRITY SHALL BE PERFORMED USING WEAP ANALYSIS METHOD WITH A RESISTANCE FACTOR OF 0.65 AND CONFIRMED WITH PDA INFORMATION. PILES SHALL BE INSTALLED TO ACHIEVE A FACTORED DRIVEN RESISTANCE EQUAL TO OR GREATER THAN THE FACTORED AXIAL DESIGN LOAD.
6. THE CONTRACTOR SHALL SUBMIT A PILE SCHEDULE, PILE INSTALLATION, AND PILE DRIVING/TESTING PLAN FOR REVIEW AND APPROVAL OF THE ENGINEER.
7. AFTER PILE DRIVING IS COMPLETE THE CONTRACTOR SHALL SUBMIT PILE DRIVING LOGS INCLUDING THE FINAL TIP ELEVATIONS AND THE RESULTS OF ANY DYNAMIC OR STATIC LOAD TESTING. SIGNIFICANT DEVIATIONS SHALL BE NOTED AS REVISIONS ON THE CONSTRUCTION DRAWINGS.

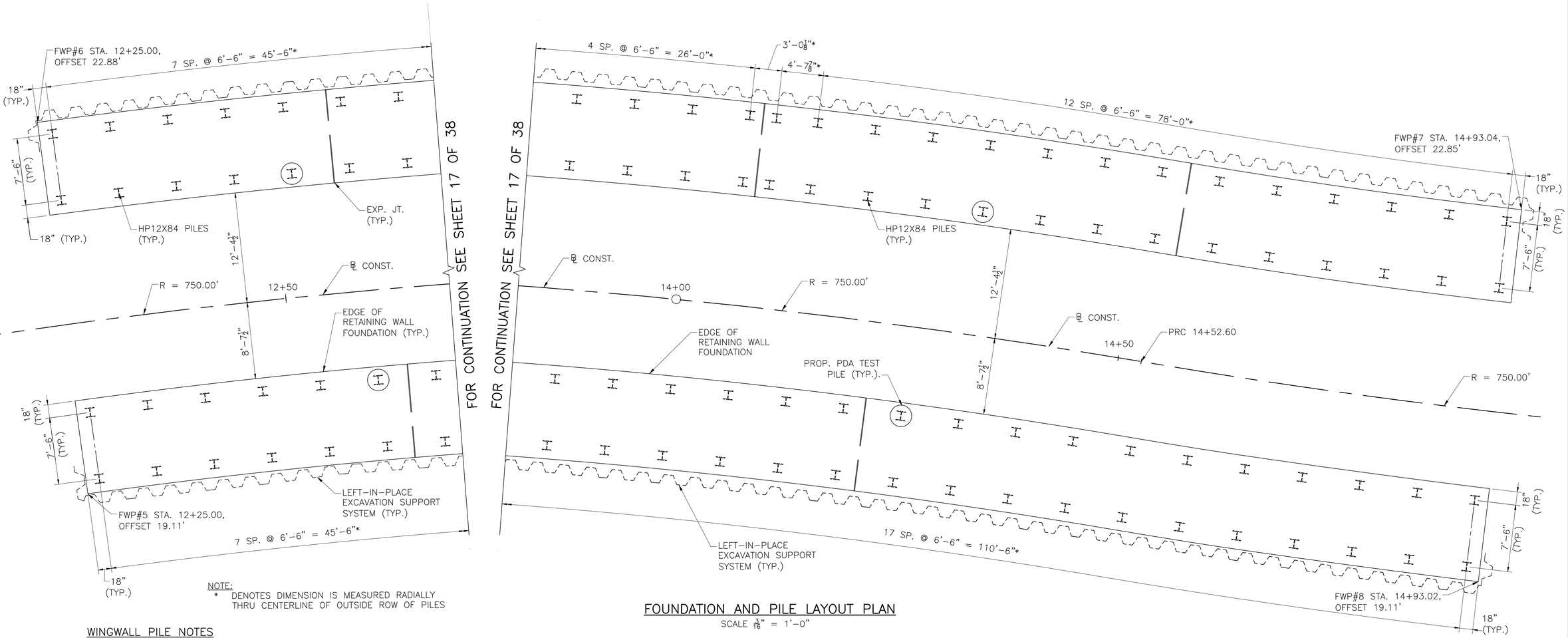
JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	34	67
PROJECT FILE NO. 608616			

FOUNDATION AND PILE LAYOUT PLAN – 2 OF 2



NOTE:
* DENOTES DIMENSION IS MEASURED RADIALLY THRU CENTERLINE OF OUTSIDE ROW OF PILES

FOUNDATION AND PILE LAYOUT PLAN

SCALE $\frac{3}{16}$" = 1'-0"

WINGWALL PILE NOTES

1. PILES SHALL CONFORM TO AASHTO M270 GRADE 50.
2. HEAVY DUTY PILE SHOES SHALL BE INSTALLED ON THE TIPS OF ALL PILES. PREFABRICATED PILE SHOES MAY BE USED IF APPROVED BY THE ENGINEER.
3. TOTAL FACTORED AXIAL DESIGN LOAD PER PILE IS 229.58 KIPS PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS STRENGTH I LOAD COMBINATION. TOTAL FACTORED AXIAL DESIGN LOAD PER PILE INCLUDES THE UNFACTORED DOWN DRAG OF 41.60 KIPS AND A FACTORED AXIAL LOAD OF 187.98 KIPS.
4. WINGWALL PILES SHALL BE DRIVEN TO BEDROCK WITH THE ESTIMATED TIP ELEVATION AT EL.-25 IN THE SOUTHERN WINGWALL AND THE ESTIMATED TIP ELEVATION AT EL.-30 IN THE NORTHERN WINGWALL. THE FACTORED STRUCTURAL RESISTANCE PER PILE IS 415 KIPS AND IS THE PRODUCT OF THE NOMINAL STRUCTURAL RESISTANCE OF 830 KIPS AND A RESISTANCE FACTOR OF 0.50.
5. DETERMINATION OF THE DRIVEN PILE RESISTANCE, PILE DRIVING CRITERIA, AND PILE INTEGRITY SHALL BE PERFORMED USING WEAP ANALYSIS METHOD WITH A RESISTANCE FACTOR OF 0.65 AND CONFIRMED WITH PDA INFORMATION. PILES SHALL BE INSTALLED TO ACHIEVE A FACTORED DRIVEN RESISTANCE EQUAL TO OR GREATER THAN THE FACTORED AXIAL DESIGN LOAD.
6. THE CONTRACTOR SHALL SUBMIT A PILE SCHEDULE, PILE INSTALLATION, AND PILE DRIVING/TESTING PLAN FOR REVIEW AND APPROVAL OF THE ENGINEER.
7. WHERE H-PILES ARE TO BE DRIVEN THROUGH EMBANKMENTS GREATER THAN 5 FEET, THE CONTRACTOR SHALL MAKE A HOLE FOR THE FULL DEPTH OF THE EMBANKMENT FOR EACH PILE WITH AN AUGER OR BY OTHER APPROVED METHODS.
8. AFTER PILE DRIVING IS COMPLETE THE CONTRACTOR SHALL SUBMIT PILE DRIVING LOGS INCLUDING THE FINAL TIP ELEVATIONS AND THE RESULTS OF ANY DYNAMIC OR STATIC LOAD TESTING. SIGNIFICANT DEVIATIONS SHALL BE NOTED AS REVISIONS ON THE CONSTRUCTION DRAWINGS.

FOUNDATION WORKING POINT COORDINATES		
DESCRIPTION	NORTHING	EASTING
F.W.P. #5	2807437.1629	763796.7564
F.W.P. #6	2807434.7804	763754.8276
F.W.P. #7	2807705.5593	763785.4585
F.W.P. #8	2807697.4722	763826.6317

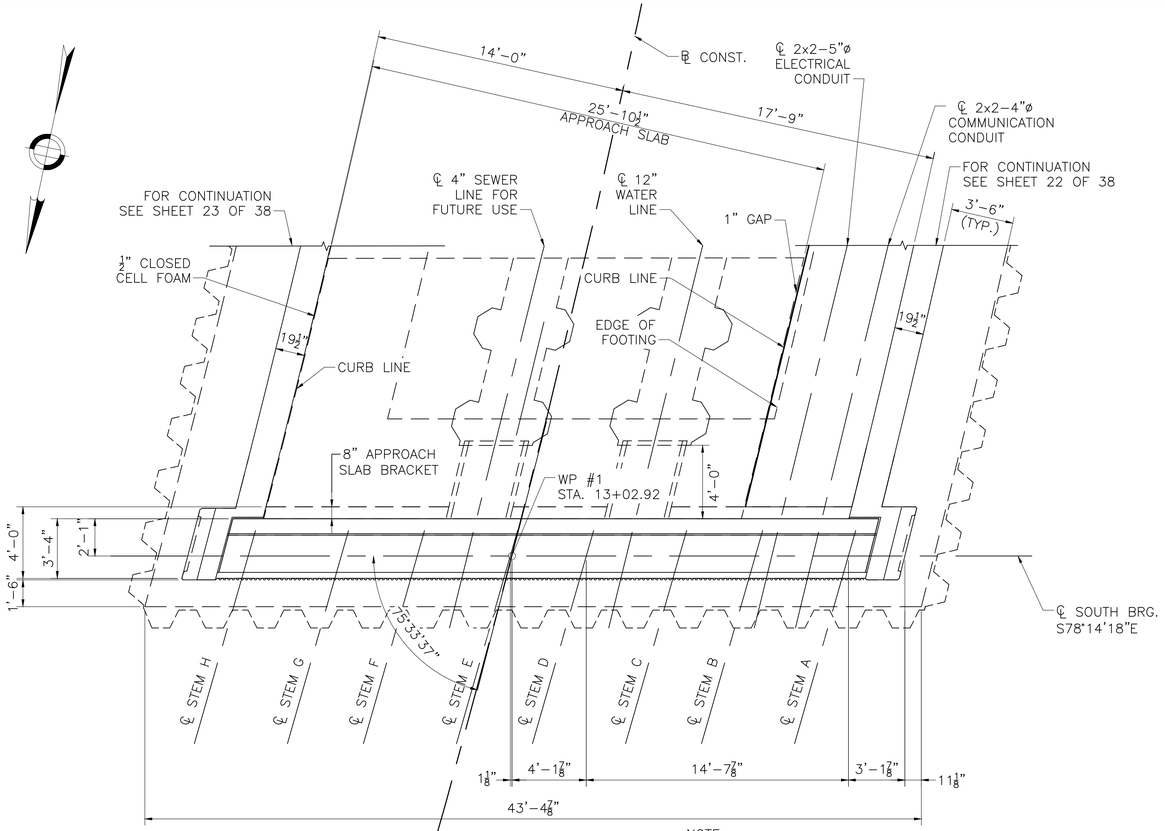
JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	35	67
PROJECT FILE NO. 608616			

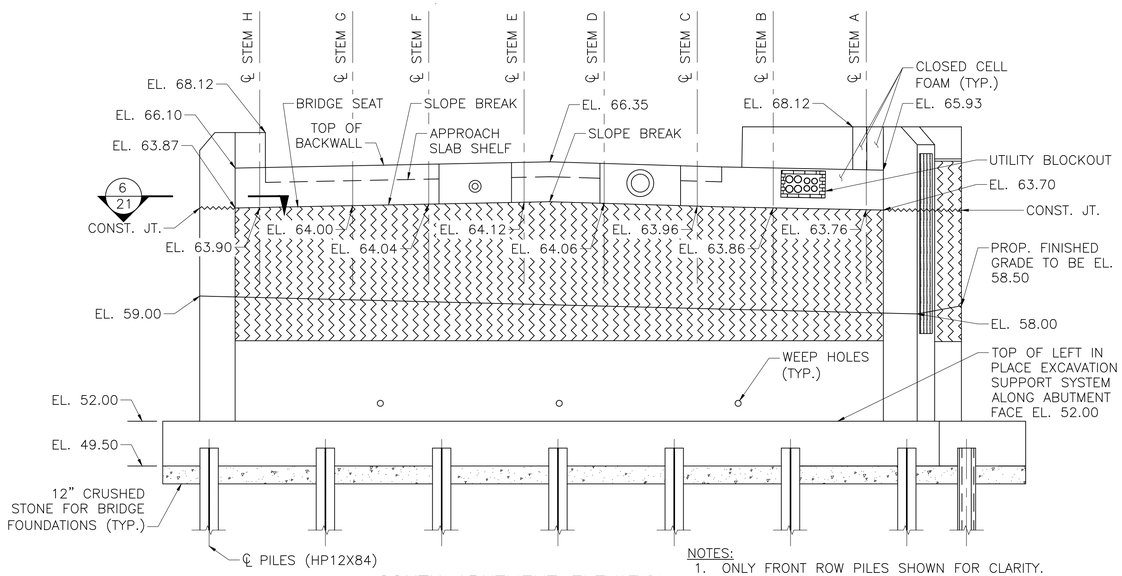
SOUTH ABUTMENT AND WINGWALL PLAN AND ELEVATION



SOUTH ABUTMENT PLAN

SCALE: ¼" = 1'-0"

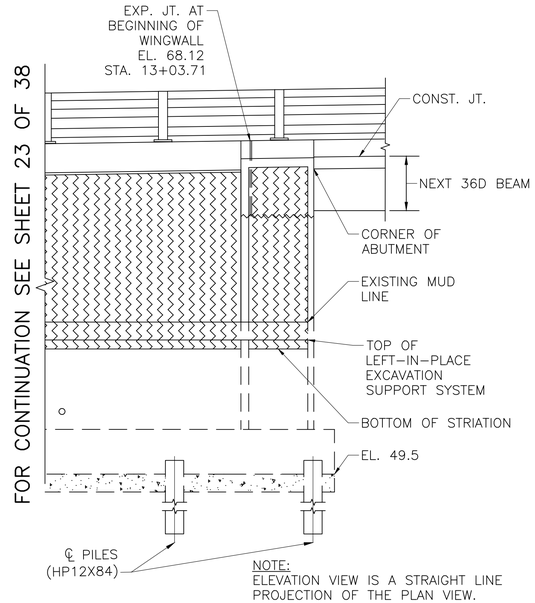
NOTE:
1. PILES NOT SHOWN FOR CLARITY.
2. SKEW ANGLE IS MEASURED FROM THE LOCAL TANGENT AT THE WORKING POINT.



SOUTH ABUTMENT ELEVATION

SCALE: ¼" = 1'-0"

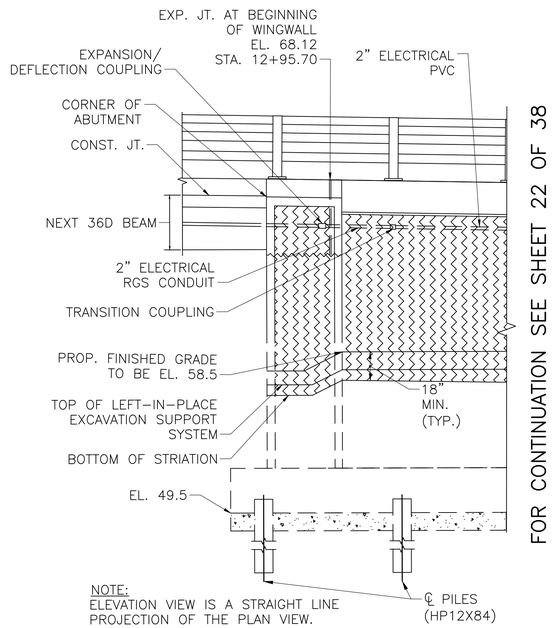
NOTES:
1. ONLY FRONT ROW PILES SHOWN FOR CLARITY.
2. STEM A AND B ARE PART OF BM-1, STEM C AND D ARE PART OF BM-2, STEM E AND F ARE PART OF BM-3, AND STEM G AND H ARE PART OF BM-4.
3. FOR UTILITY DETAILS THROUGH THE DIAPHRAGM AND BACKWALL, SEE SHEET 32.
4. EXCAVATION SUPPORT SYSTEM ALONG WINGWALL NOT SHOWN FOR CLARITY.



NOTE:
ELEVATION VIEW IS A STRAIGHT LINE PROJECTION OF THE PLAN VIEW.

PARTIAL SOUTHEAST ELEVATION

SCALE ¼" – 1'-0"



NOTE:
ELEVATION VIEW IS A STRAIGHT LINE PROJECTION OF THE PLAN VIEW.

PARTIAL SOUTHWEST ELEVATION

SCALE ¼" – 1'-0"

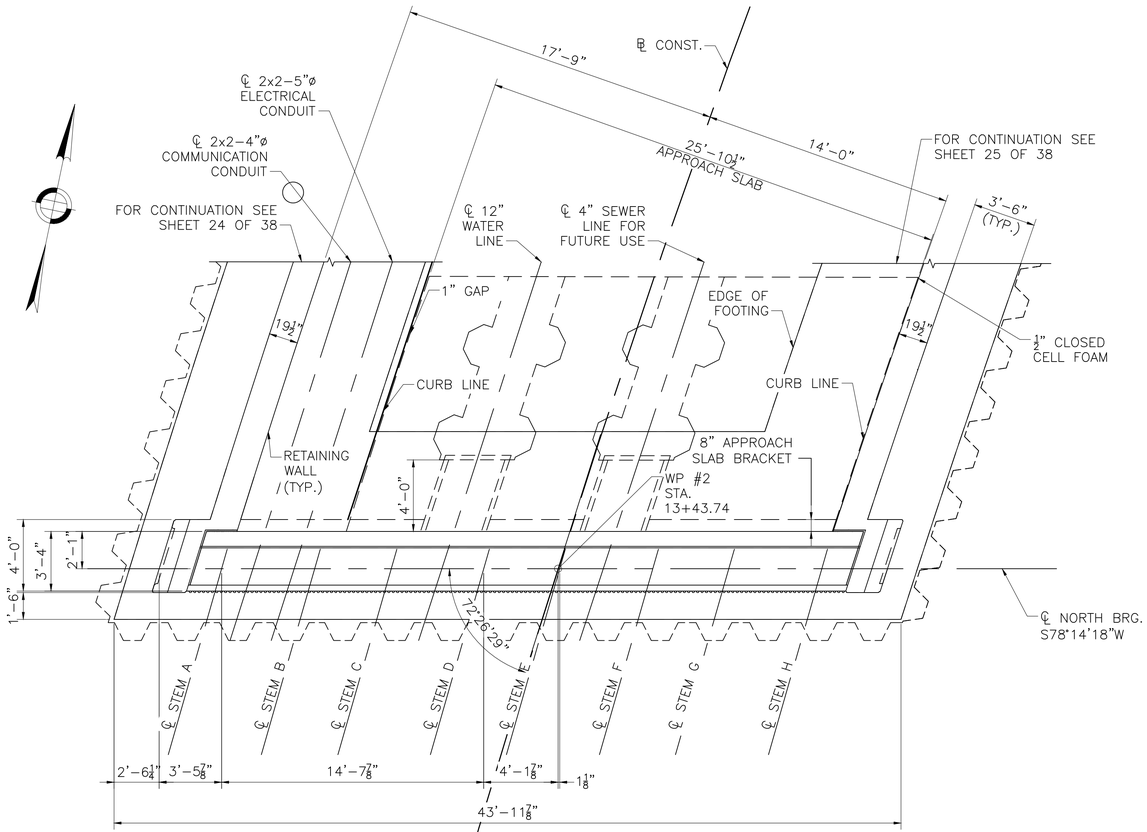
JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	36	67
PROJECT FILE NO. 608616			

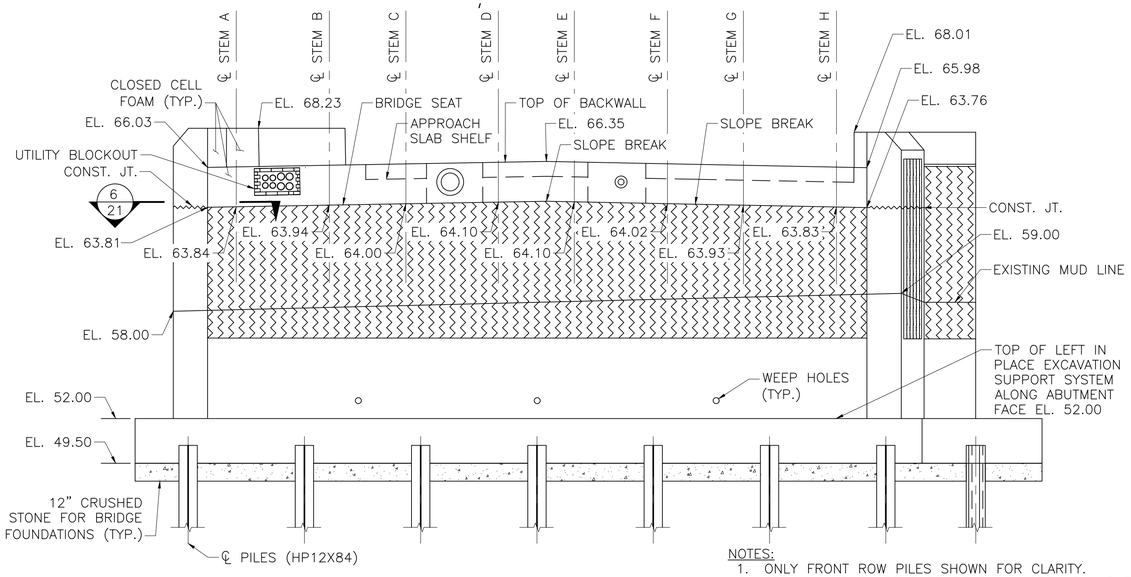
NORTH ABUTMENT AND WINGWALL PLAN AND ELEVATION



NORTH ABUTMENT PLAN

SCALE: ¼" = 1'-0"

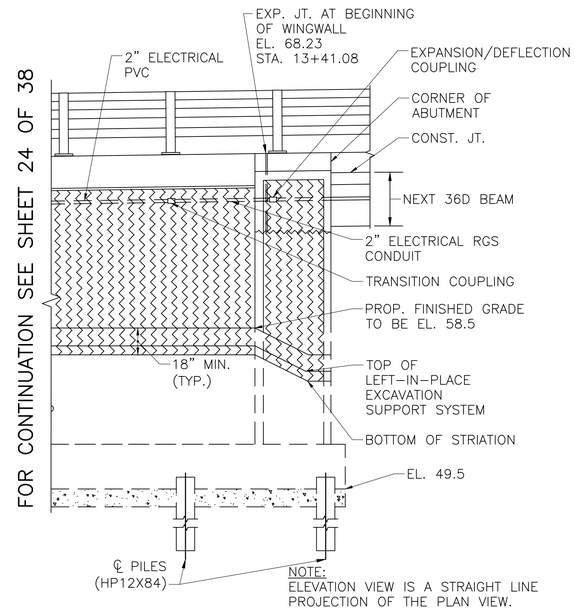
NOTE:
1. PILES NOT SHOWN FOR CLARITY.
2. SKEW ANGLE IS MEASURED FROM THE LOCAL TANGENT AT THE WORKING POINT.



NORTH ABUTMENT ELEVATION

SCALE: ¼" = 1'-0"

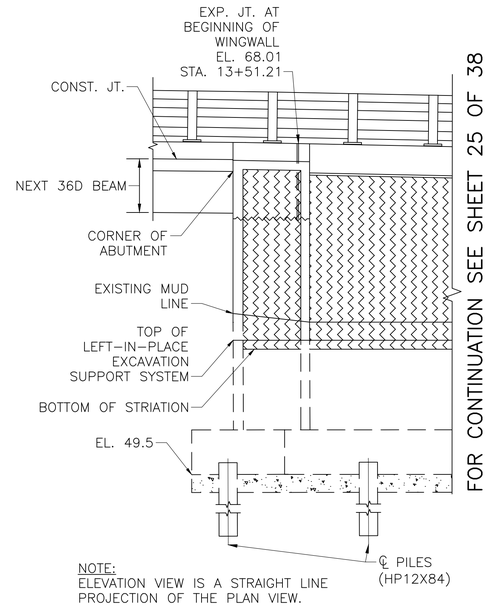
NOTES:
1. ONLY FRONT ROW PILES SHOWN FOR CLARITY.
2. STEM A AND B ARE PART OF BM-1, STEM C AND D ARE PART OF BM-2, STEM E AND F ARE PART OF BM-3, AND STEM G AND H ARE PART OF BM-4.
3. FOR UTILITY DETAILS THROUGH THE DIAPHRAGM AND BACKWALL, SEE SHEET 32.
4. EXCAVATION SUPPORT SYSTEM ALONG WINGWALL NOT SHOWN FOR CLARITY.



NOTE:
ELEVATION VIEW IS A STRAIGHT LINE PROJECTION OF THE PLAN VIEW.

PARTIAL NORTHWEST ELEVATION

SCALE ¼" = 1'-0"



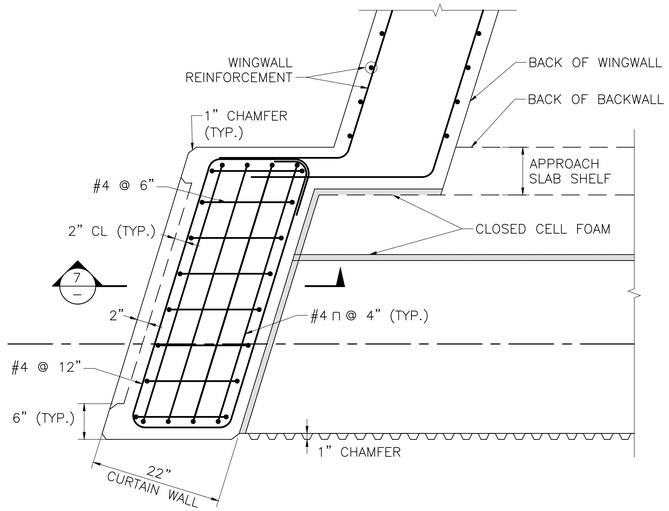
NOTE:
ELEVATION VIEW IS A STRAIGHT LINE PROJECTION OF THE PLAN VIEW.

PARTIAL NORTHEAST ELEVATION

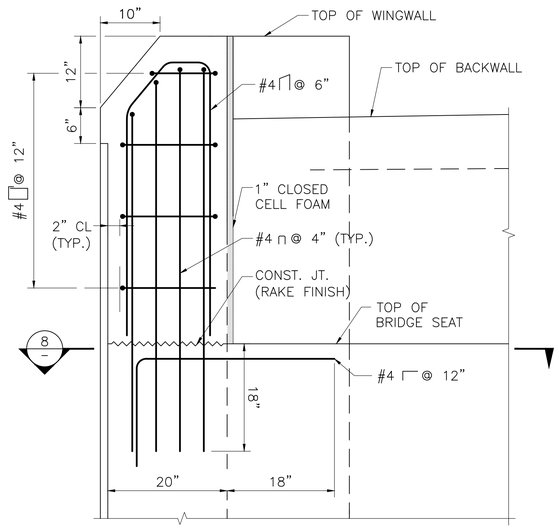
SCALE ¼" = 1'-0"

JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

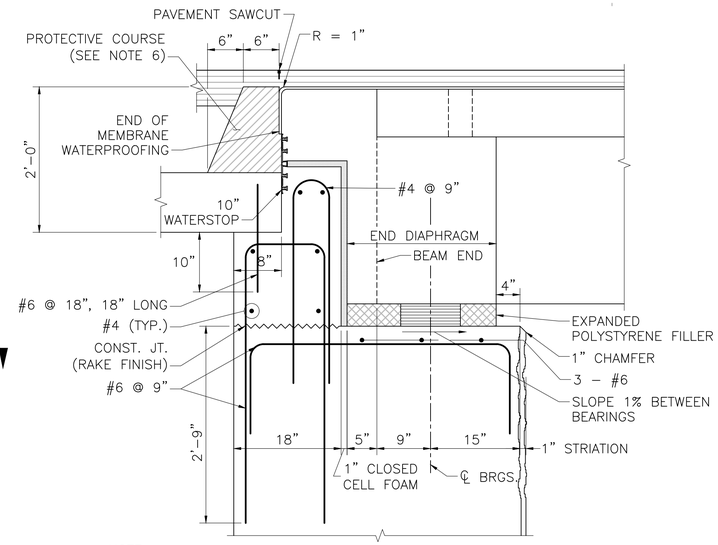


SECTION 6
SCALE: 1" = 1'–0"



NOTE:
ABUTMENT REINFORCEMENT BELOW CONSTRUCTION JOINT HAS BEEN OMITTED FOR CLARITY.

SECTION 7
SCALE: 1" = 1'–0"



NOTE:
FOR END DIAPHRAGM DETAILS, SEE SHEET 32.

DETAILS AT ABUTMENT – ROADWAY SECTION
SCALE: 1" = 1'–0"

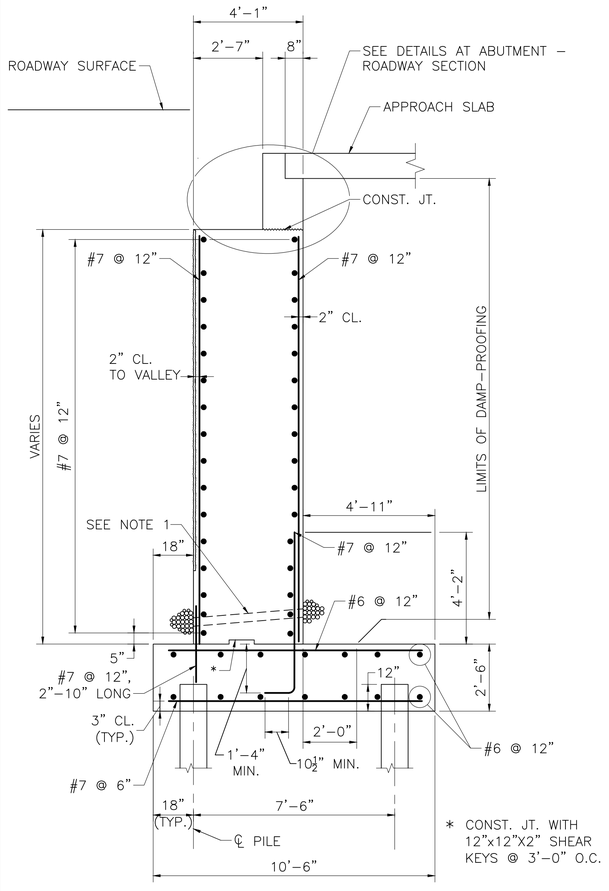
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR–OFF)–003S(863)X	37	67
PROJECT FILE NO. 608616			

ABUTMENT DETAILS

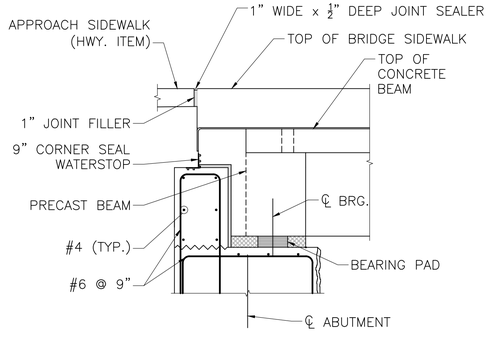
ROADWAY SECTION NOTES:

1. ALL REINFORCEMENT SHOWN IN THIS DETAIL SHALL BE COATED EXCEPT FOR THE APPROACH SLAB REINFORCEMENT.
2. THE CONSTRUCTION JOINT SHALL BE GIVEN A RAKE FINISH WITH A ¼" MINIMUM AMPLITUDE.
3. TOP OF BACKWALL SHALL BE TROWELED SMOOTH PARALLEL TO THE PROFILE GRADE.
4. THE BACKWALL, KEEPER BLOCK, AND CURTAIN WALL CONCRETE MUST BE PLACED AND SUFFICIENTLY CURED PRIOR TO PLACING THE END DIAPHRAGM CONCRETE.
5. PRIOR TO PLACING THE END DIAPHRAGM CONCRETE, CLOSED CELL FOAM OF THE SPECIFIED THICKNESSES SHALL BE ATTACHED WITH ADHESIVE TO ALL SURFACES OF THE BACKWALL, KEEPER BLOCKS, AND CURTAIN WALLS AS SHOWN ON THE PLANS. EXPANDED POLYSTYRENE FILLER SHALL BE PLACED UNDER THE BEAM BOTTOM FLANGE AND THE BOTTOM OF THE END DIAPHRAGM SHALL BE FORMED AS SPECIFIED. THE CONTRACTOR SHALL INSURE THAT ALL ABUTMENT CONCRETE IS PROPERLY LINED. END DIAPHRAGM CONCRETE MUST NOT COME IN DIRECT CONTACT WITH ABUTMENT CONCRETE.
6. PROTECTIVE COURSE TO BE SUPERPAVE BRIDGE PROTECTIVE COARSE (SPC–B–12.5), PLACED IN 2" LAYERS AND COMPACTED WITH A MECHANICAL HAND–GUIDED TAMPER WITHIN 12 HOURS AFTER PLACING SPRAY–APPLIED MEMBRANE WATERPROOFING.

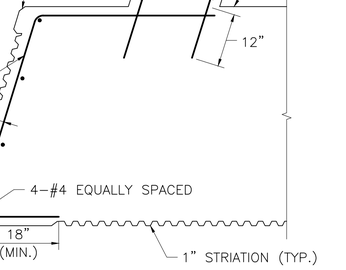


* CONST. JT. WITH 12"x12"X2" SHEAR KEYS @ 3'–0" O.C.

TYPICAL ABUTMENT SECTION
SCALE: ⅜" = 1'–0"



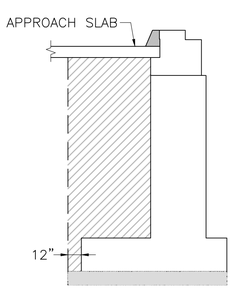
TYPICAL ABUTMENT DETAIL AT SIDEWALK SECTION
SCALE: ½" = 1'–0"



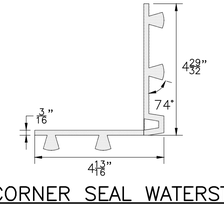
SECTION 8
SCALE: ¾" = 1'–0"

ABUTMENT SECTION NOTES:

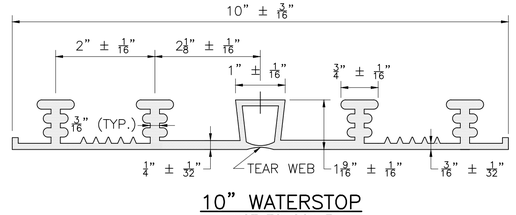
1. 4" ø WEEP HOLES 10'–0" O.C LOCATED 12" ABOVE THE HEEL OF THE FOOTING SLOPING 1" PER FOOT TOWARDS THE FRONT FACE. PROVIDE 1 CUBIC YARD OF CRUSHED STONE AT EACH END OF WEEP HOLE.
2. ALL CONCRETE SHALL BE 5000 PSI HP CEMENT CONCRETE.



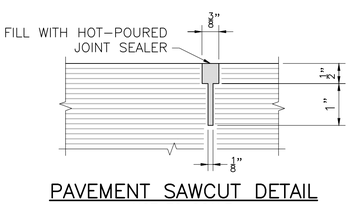
LIMITS OF GRAVEL BORROW FOR BACKFILLING STRUCTURES AND PIPES
SCALE: 3/16" = 1'–0"



9" CORNER SEAL WATERSTOP
NOT TO SCALE



10" WATERSTOP
NOT TO SCALE



PAVEMENT SAWCUT DETAIL
NOT TO SCALE

JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

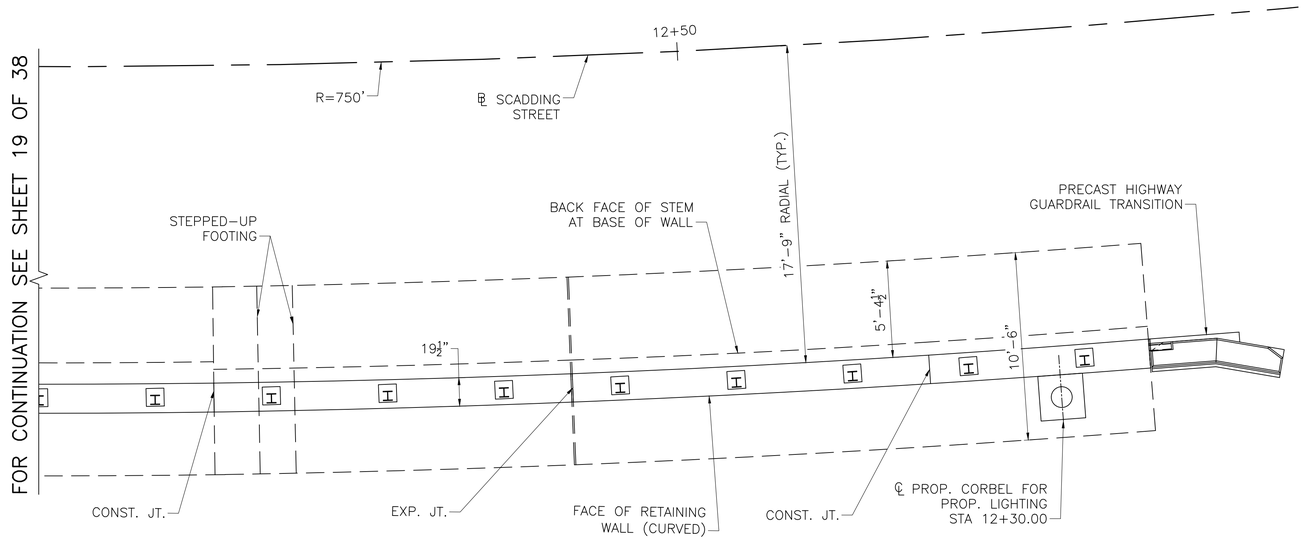
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER

USE ONLY PRINTS OF LATEST DATE

TAUNTON
SCADDING STREET OVER SNAKE RIVER

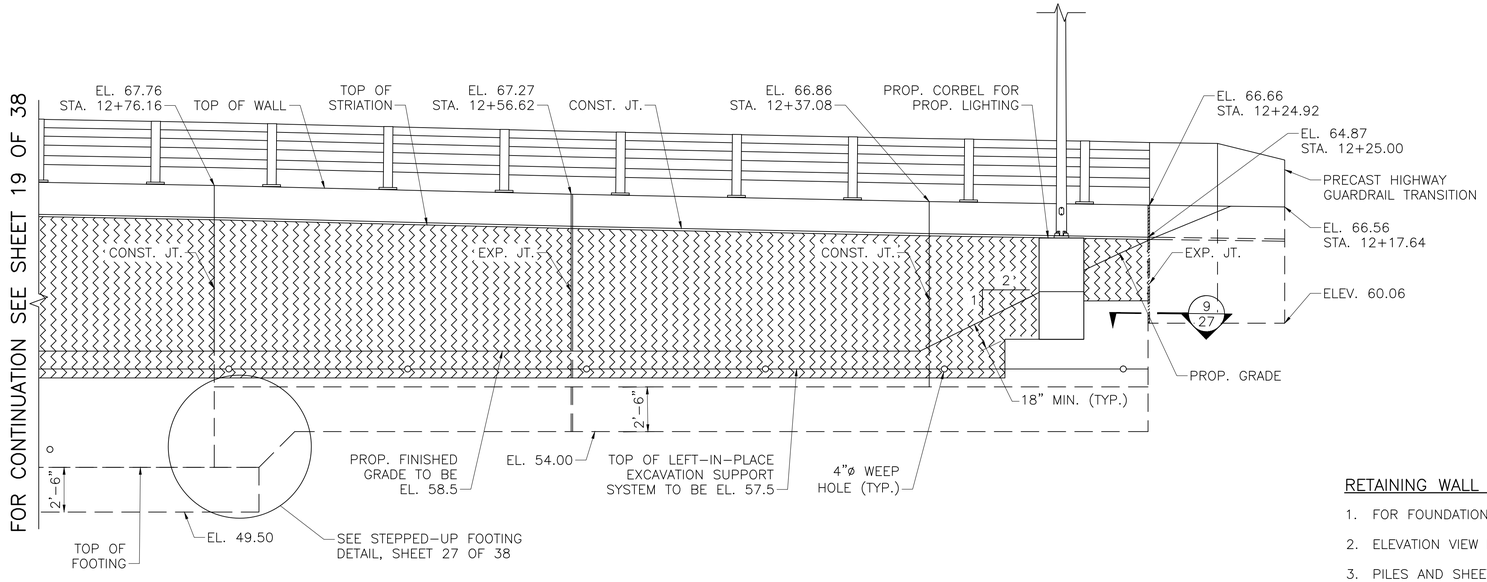
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	38	67
PROJECT FILE NO. 608616			

SW RETAINING WALL PLAN AND ELEVATION



PARTIAL SOUTHWEST RETAINING WALL PLAN

SCALE: ¼" = 1'-0"



PARTIAL SOUTHWEST RETAINING WALL ELEVATION

SCALE: ¼" = 1'-0"

RETAINING WALL NOTES:

1. FOR FOUNDATION LAYOUT, SEE SHEETS 17 & 18 OF 38.
2. ELEVATION VIEW IS A STRAIGHT LINE PROJECTION OF THE PLAN VIEW.
3. PILES AND SHEETING OMITTED FOR CLARITY.

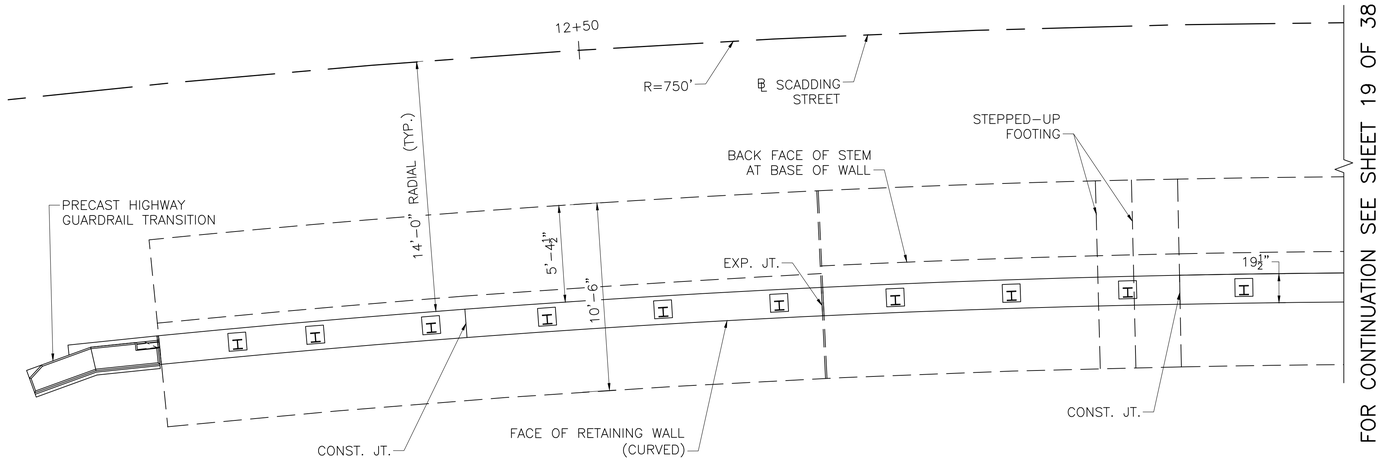
DATE	DESCRIPTION
JULY 12, 2025	ISSUED FOR CONSTRUCTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

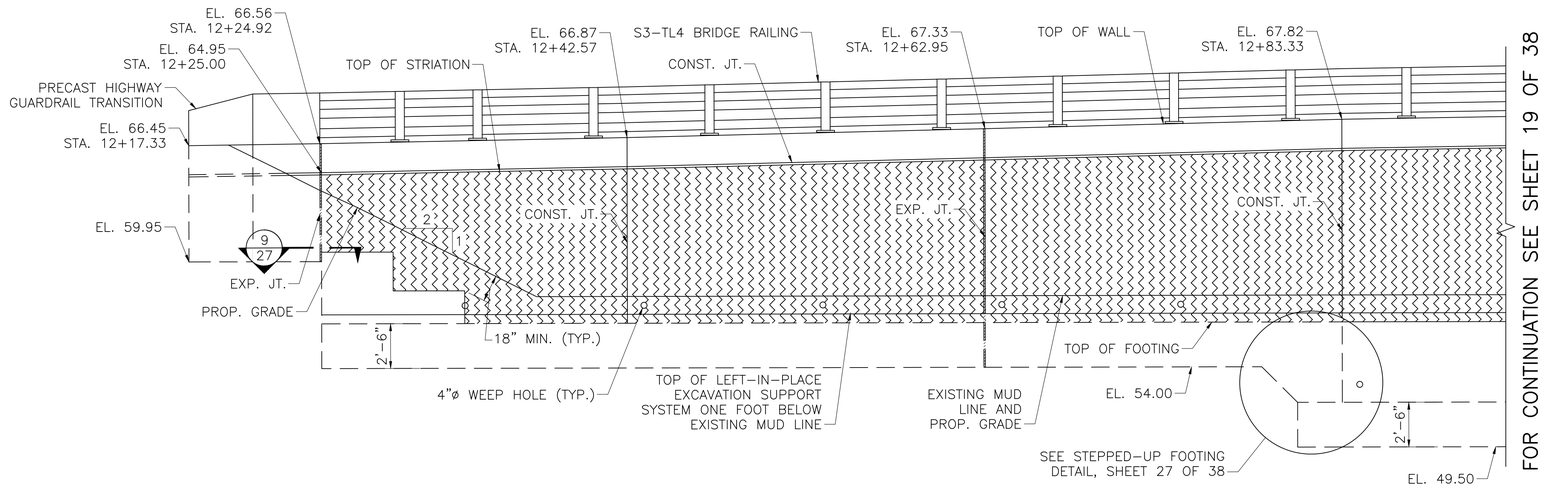
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	39	67
PROJECT FILE NO. 608616			

SE RETAINING WALL
PLAN AND ELEVATION



PARTIAL SOUTHEAST RETAINING WALL PLAN
SCALE: ¼" = 1'-0"



PARTIAL SOUTHEAST RETAINING WALL ELEVATION
SCALE: ¼" = 1'-0"

NOTE:
1. SEE SHEET 22 OF 38 FOR RETAINING WALL NOTES.

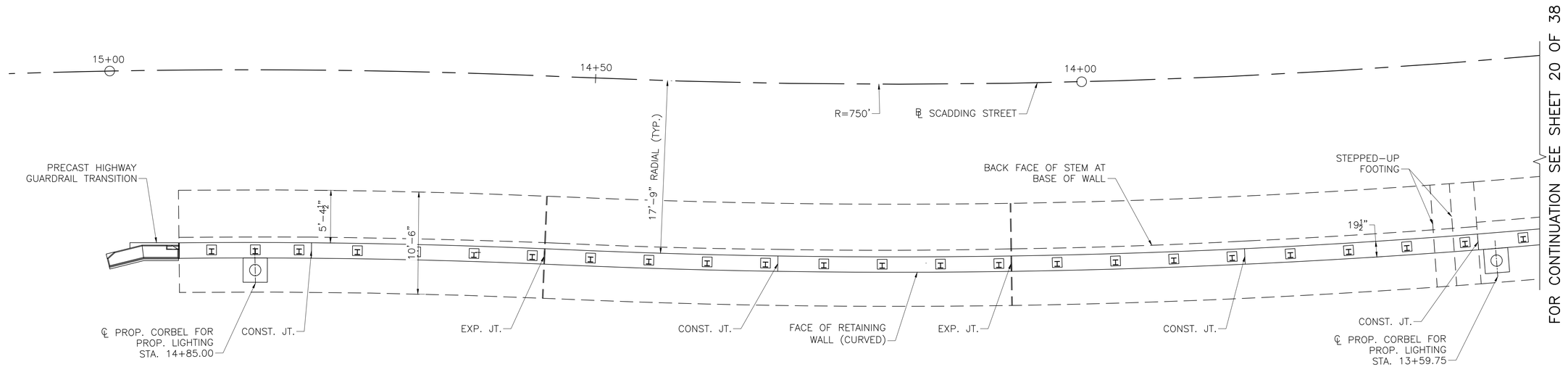
JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

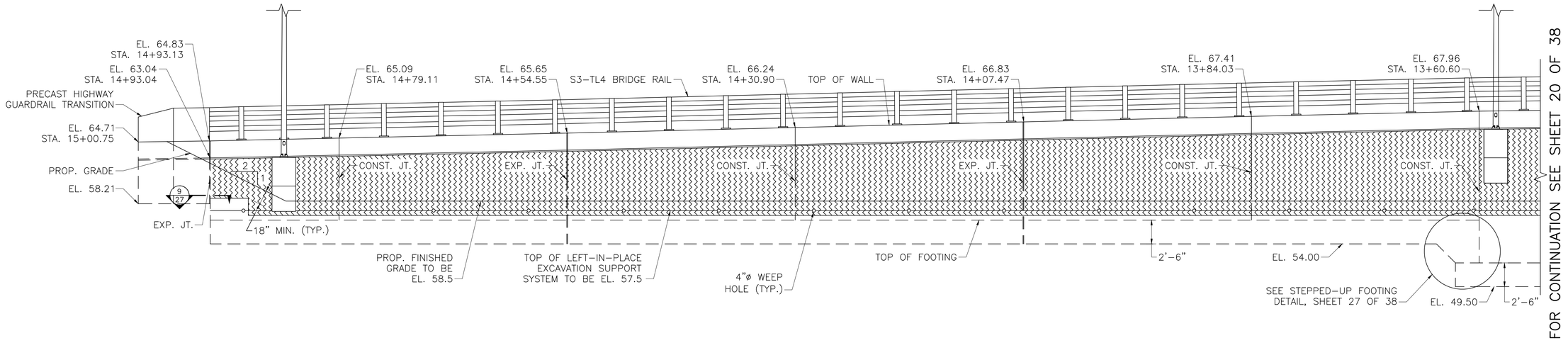
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	40	67
PROJECT FILE NO. 608616			

NW RETAINING WALL PLAN AND ELEVATION



PARTIAL NORTHWEST RETAINING WALL PLAN
SCALE: $\frac{3}{16}$" = 1'-0"



PARTIAL NORTHWEST RETAINING WALL ELEVATION
SCALE: $\frac{3}{16}$" = 1'-0"

NOTE:
1. SEE SHEET 22 OF 38 FOR RETAINING WALL NOTES.

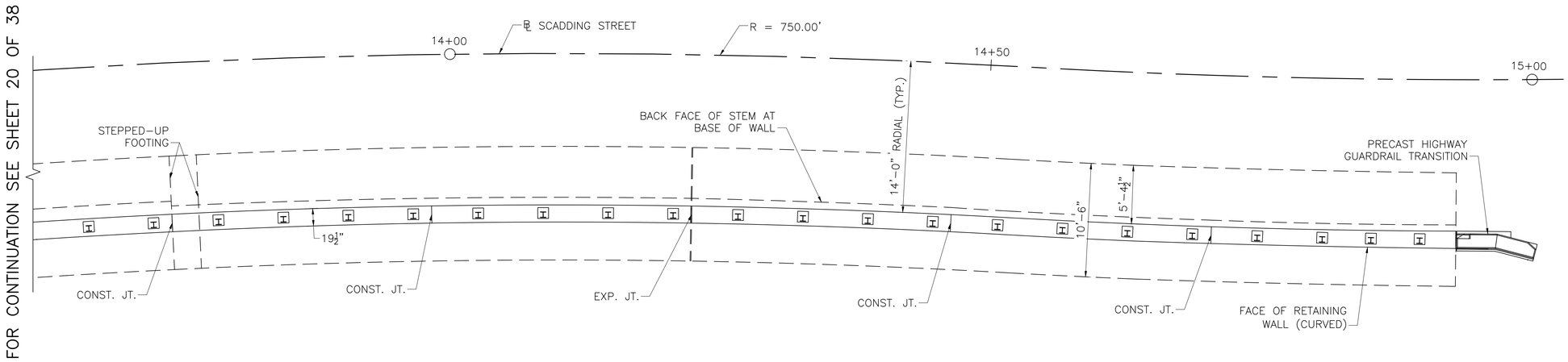
DATE	DESCRIPTION
JULY 12, 2025	ISSUED FOR CONSTRUCTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

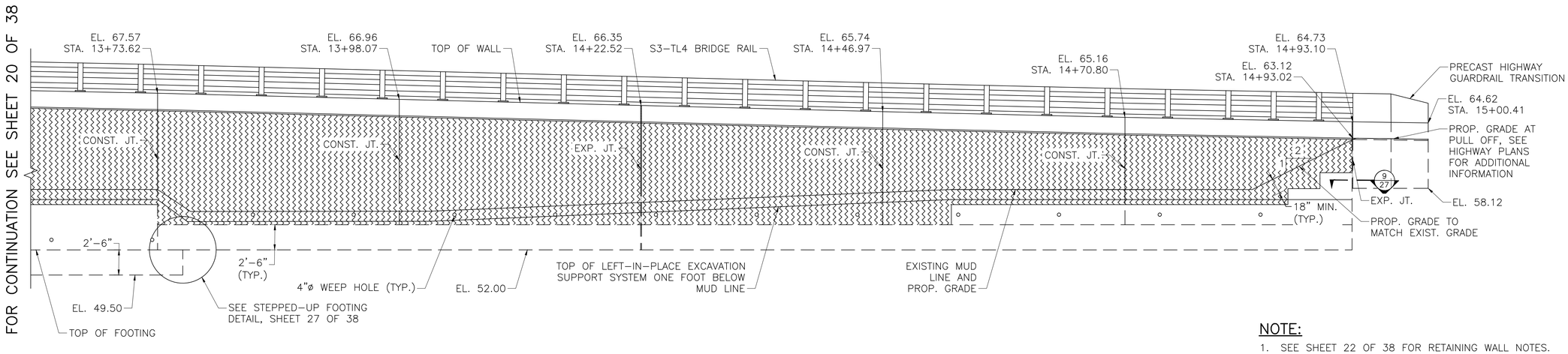
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	41	67
PROJECT FILE NO. 608616			

NE RETAINING WALL PLAN AND ELEVATION



PARTIAL NORTHEAST RETAINING WALL PLAN
SCALE: $\frac{3}{16}$" = 1'-0"



PARTIAL NORTHEAST RETAINING WALL ELEVATION
SCALE: $\frac{3}{16}$" = 1'-0"

NOTE:
1. SEE SHEET 22 OF 38 FOR RETAINING WALL NOTES.

JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
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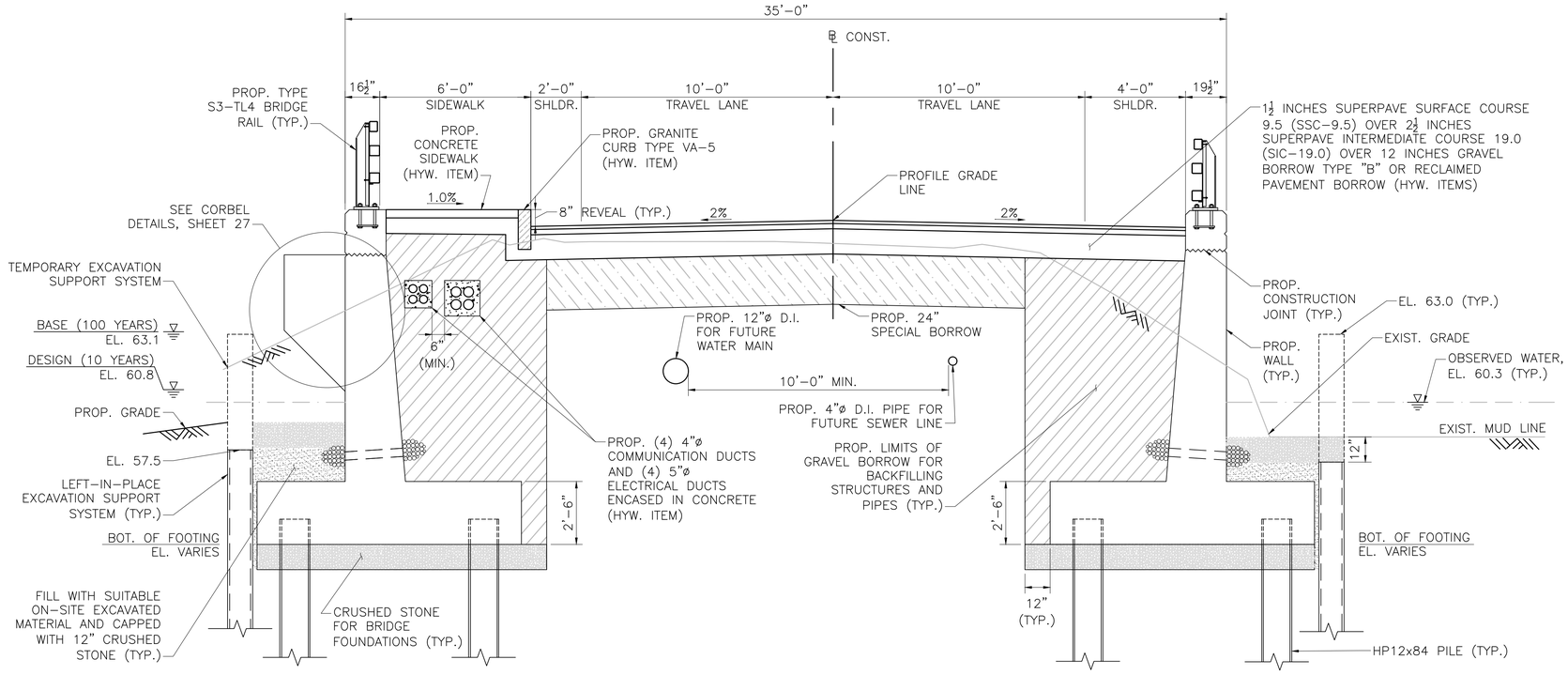
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	42	67
PROJECT FILE NO. 608616			

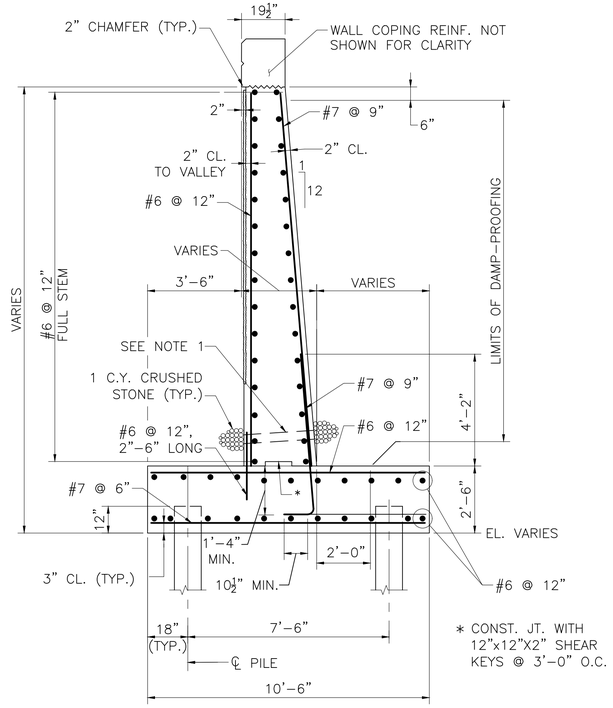
RETAINING WALL DETAILS



APPROACH ROADWAY SECTION

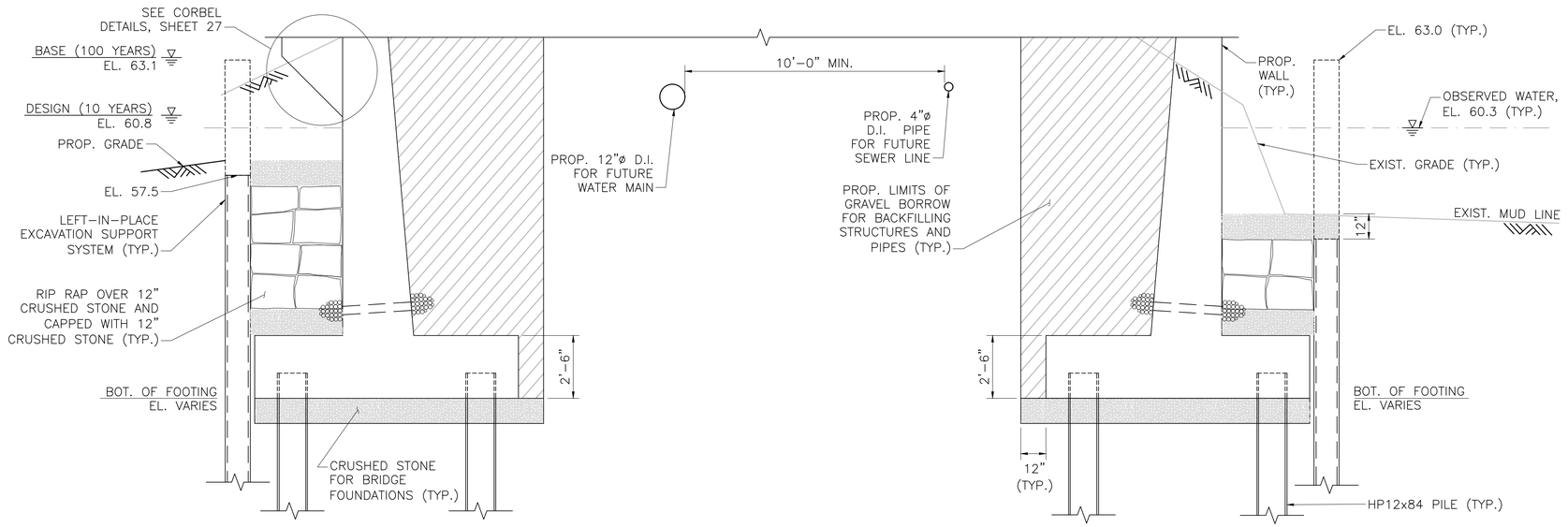
SCALE: ⅜" = 1'-0"

NOTE: EXISTING GRADE AND MUD LINE VARIES, SEE HIGHWAY PLANS FOR CROSS SECTIONS



TYPICAL RETAINING WALL SECTION

SCALE: ⅜" = 1'-0"



WINGWALL SECTION

SCALE: ⅜" = 1'-0"

NOTE: EXISTING GRADE AND MUD LINE VARIES, SEE HIGHWAY PLANS FOR CROSS SECTIONS

RETAINING WALL NOTES:

1. 4" ø WEEP HOLES 10'-0" O.C LOCATED 12" ABOVE THE HEEL OF THE FOOTING SLOPING 1" PER FOOT TOWARDS THE FRONT FACE. PROVIDE 1 CUBIC YARD OF CRUSHED STONE AT EACH END OF WEEP HOLE.
2. ALL CONCRETE SHALL BE 5000 PSI HP CEMENT CONCRETE.

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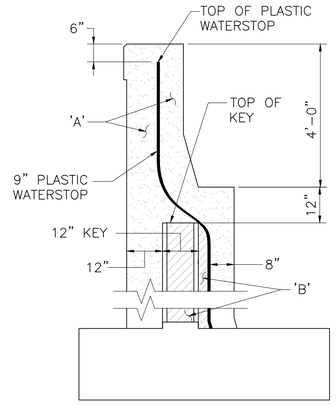
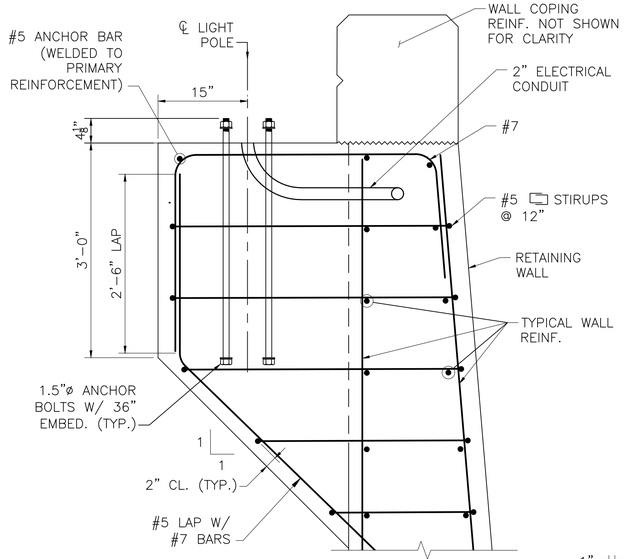


EXPANSION JOINT NOTES:

1. LONGITUDINAL REINFORCMENT SHALL END 2" CLEAR OF EXPANSION JOINT.
2. 'A' – PREFORMED FILLER (IN ACCORDANCE WITH M9.14.0). 'B' – PREFORMED FILLER (IN ACCORDANCE WITH M3.05.3 BITUMINOUS JOINT FILLER).
3. FILLER MATERIAL SHALL BE FASTENED SECURELY TO ONE SIDE OF JOINT.

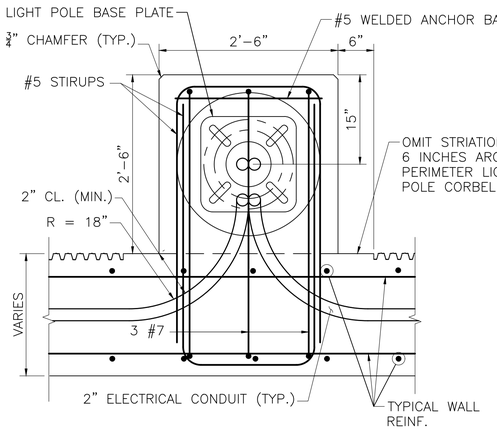
VERTICAL SECTION THROUGH EXPANSION JOINT

NOT TO SCALE



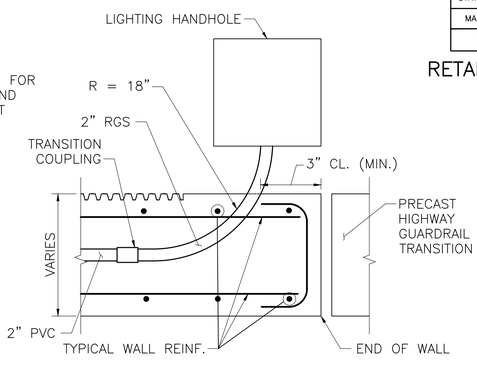
CORBEL SECTION

SCALE: 1" = 1'-0"



CORBEL REINFORCEMENT

SCALE: 1" = 1'-0"



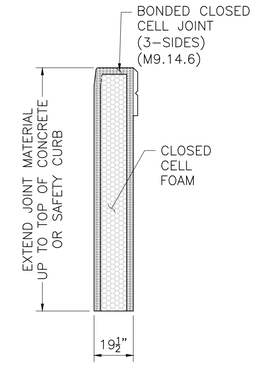
LIGHTING HANDHOLE

SCALE: 1" = 1'-0"

TAUNTON
SCADDING STREET OVER SNAKE RIVER

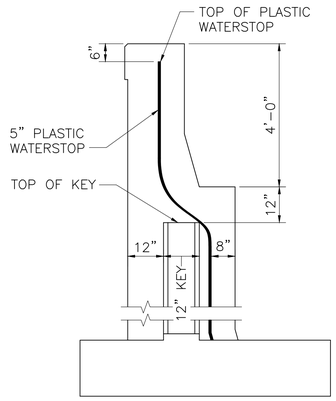
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	43	67
PROJECT FILE NO. 608616			

RETAINING WALL JOINT AND CORBEL DETAILS

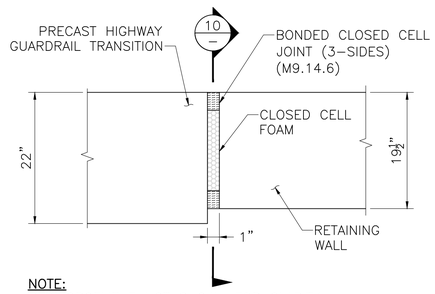


SECTION 10

N.T.S.



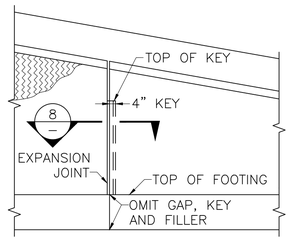
NOTES:
REINFORCMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.



NOTE:
REINFORCEMENT NOT SHOWN FOR CLARITY.

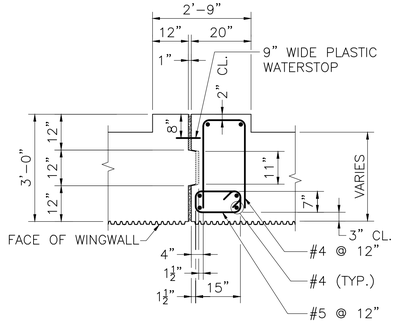
SECTION 9

SCALE: 1" = 1'-0"



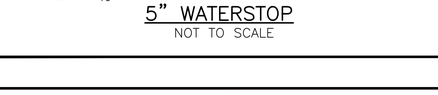
WINGWALL ELEVATION AT EXPANSION JOINT

NOT TO SCALE



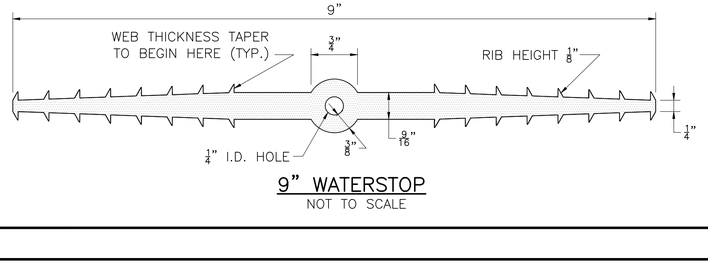
SECTION 8

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



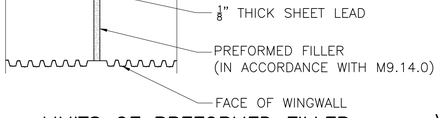
5" WATERSTOP

NOT TO SCALE



9" WATERSTOP

NOT TO SCALE

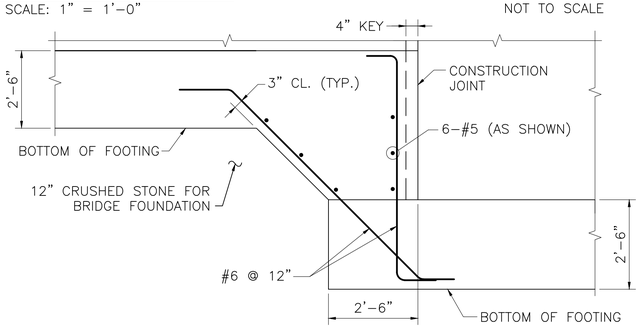


LIMITS OF PREFORMED FILLER

SCALE: 1" = 1'-0"

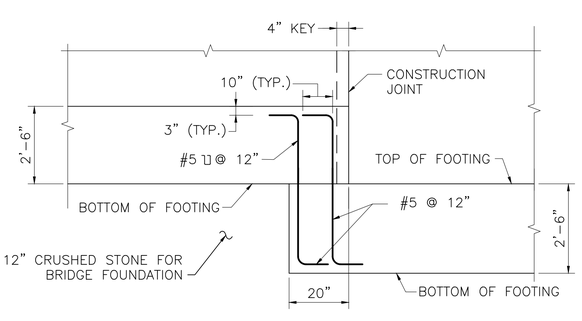
VERTICAL SECTION THROUGH CONSTRUCTION JOINT

NOT TO SCALE



STEPPED-UP FOOTING DETAIL 1

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



STEPPED-UP FOOTING DETAIL 2

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

JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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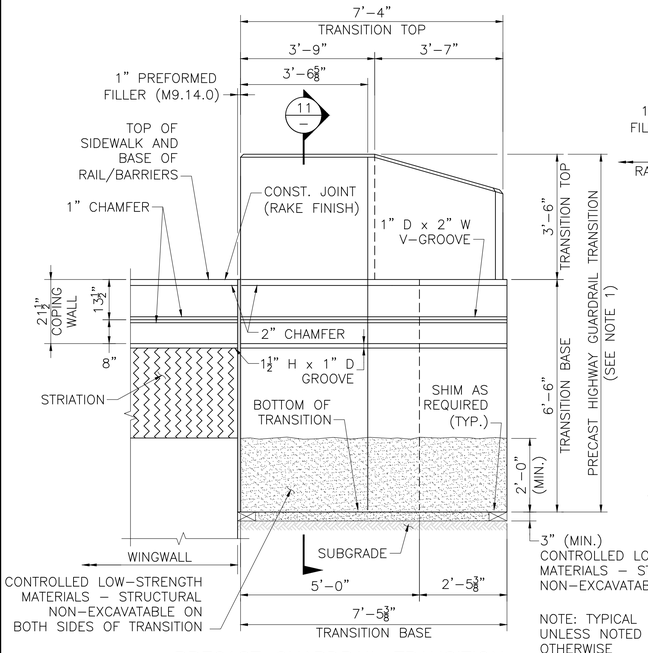
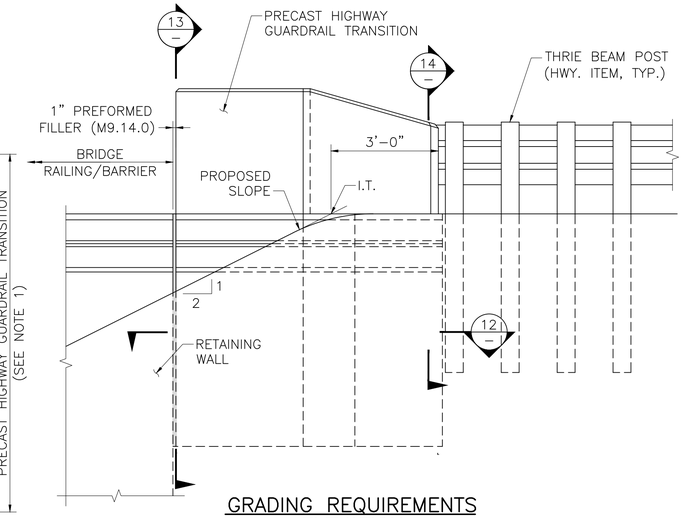
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	44	67
PROJECT FILE NO. 608616			

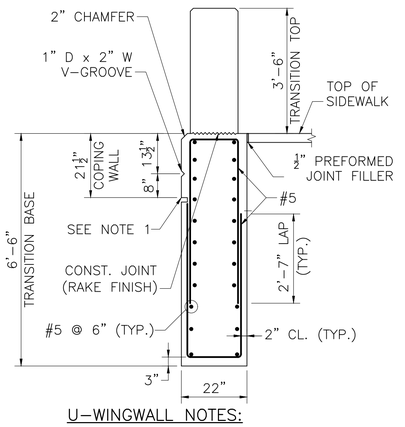
MISCELLANEOUS SUBSTRUCTURE DETAILS



PRECAST GUARDRAIL TRANSITION ELEVATION AT U–WINGWALL
SCALE: ½" = 1'–0"



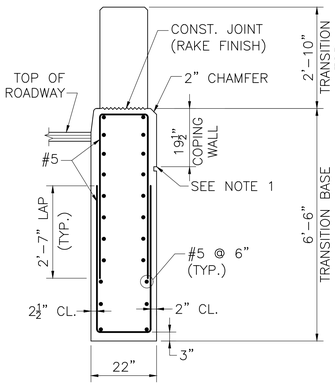
GRADING REQUIREMENTS ELEVATION
SCALE: ½" = 1'–0"



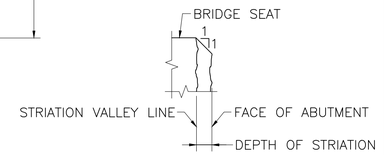
U–WINGWALL NOTES:

1. 1½" H x 1" D GROOVE. ALIGN WITH GROOVE AT TOP OF STRIATIONS.
2. REINFORCEMENT OF THE TRANSITION TOP IS NOT SHOWN FOR CLARITY.

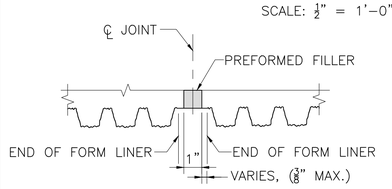
SECTION 11 AT SIDEWALK
SCALE: ½" = 1'–0"



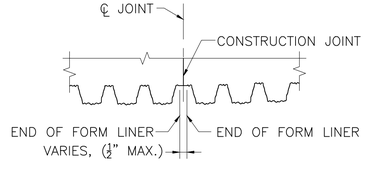
SECTION 11 AT SAFETY CURB
SCALE: ½" = 1'–0"



DETAIL AT BRIDGE SEAT
SCALE: 3" = 1'–0"



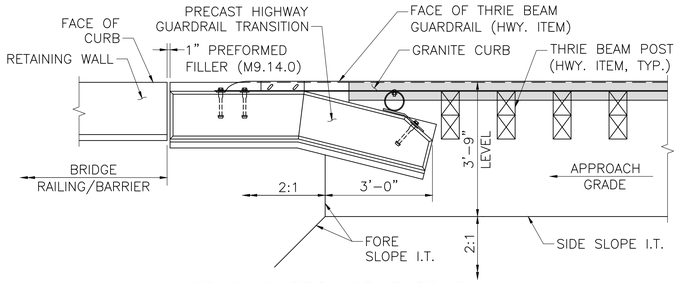
EXPANSION JOINT
SCALE: 3" = 1'–0"



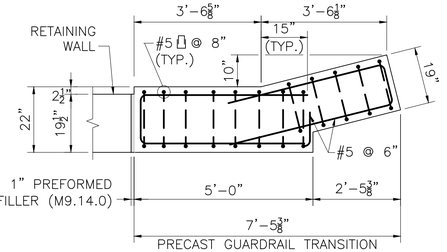
CONSTRUCTION JOINT
SCALE: 3" = 1'–0"

PRECAST GUARDRAIL TRANSITION NOTES:

1. PRECAST GUARDRAIL TRANSITION SHALL BE 5000 HP CEMENT CONCRETE.
2. GRAVEL BORROW SHALL BE PLACED AND THOROUGHLY COMPACTED TO THE GRADE OF 3" (MIN.) BELOW THE INTENDED BOTTOM OF THE PRECAST GUARDRAIL TRANSITION BASE AND TO A HEIGHT OF 2'–0" (MIN.) ON ALL SIDES OF THE TRANSITION BASE TO FORM A TRENCH IN WHICH TO SET THE TRANSITION. WHERE NO GRAVEL BORROW IS REQUIRED BELOW THE BASE, IT SHALL BE PLACED ON UNDISTURBED SOIL.
3. CONTRACTOR SHALL SET THE PRECAST GUARDRAIL TRANSITION TO THE REQUIRED ELEVATION AND ALIGNMENT, AND BACKILL PRECAST GUARDRAIL TRANSITION WITH CONTROLLED LOW-STRENGTH MATERIALS – STRUCTURAL NON-EXCAVATABLE TO THE ELEVATION SHOWN.



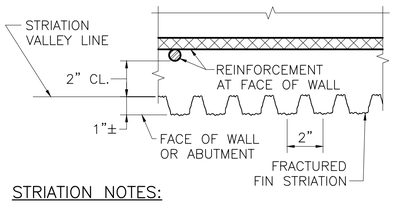
GRADING REQUIREMENTS PLAN
SCALE: ½" = 1'–0"



RETAINING WALL SECTION NOTE:

RETAINING WALL REINFORCEMENT AND STRIATIONS NOT SHOWN FOR CLARITY.

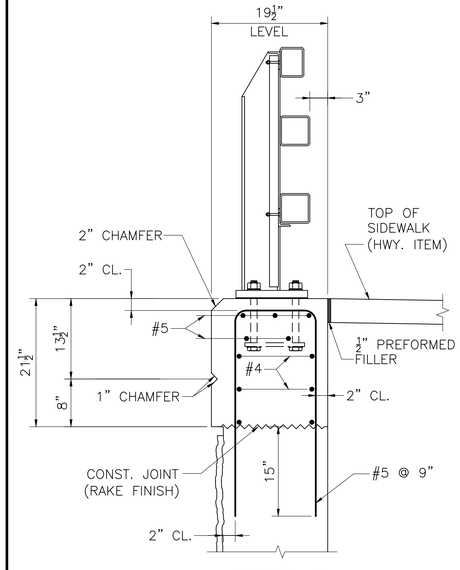
SECTION 12
SCALE: ½" = 1'–0"



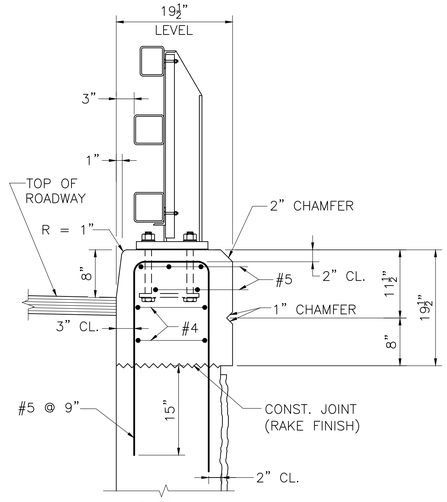
STRIATION NOTES:

1. THE CONTRACTOR SHALL MAKE SURE THAT THE STRIATION FINS ARE PLUMB AND LINED UP VERTICALLY FROM PANEL TO PANEL FOR THE FULL HEIGHT OF THE WALL.

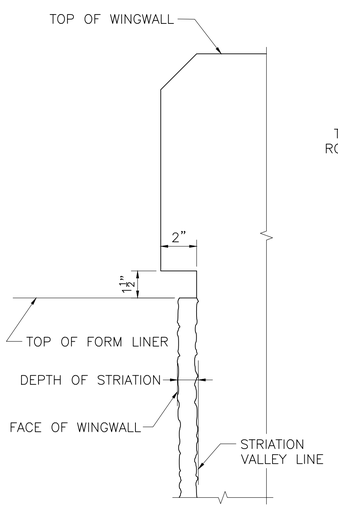
TYPICAL STRIATION DETAIL
SCALE: 3" = 1'–0"



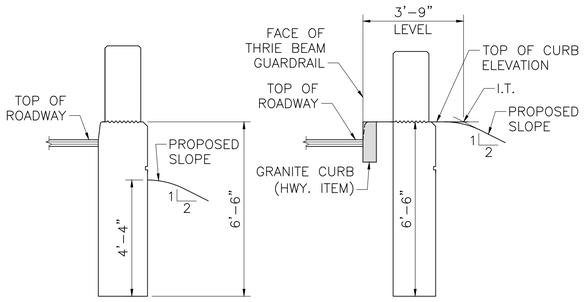
DETAIL B
TOP OF U–WINGWALL AT SIDEWALK
SCALE: 1" = 1'–0"



DETAIL A
TOP OF U–WINGWALL AT SAFETY CURB
SCALE: 1" = 1'–0"



DETAIL AT TOP OF WINGWALL
SCALE: 3" = 1'–0"



GRADING NOTE:

1. GRADING AT ROADWAY SIDE SHOWN, SIDEWALK SIDE SIMILAR. TOP OF SIDEWALK TO MATCH CONSTRUCTION JOINT.

SECTION 13
SCALE: ⅜" = 1'–0"

SECTION 14
SCALE: ⅜" = 1'–0"

JULY 12, 2025	ISSUED FOR CONSTRUCTION
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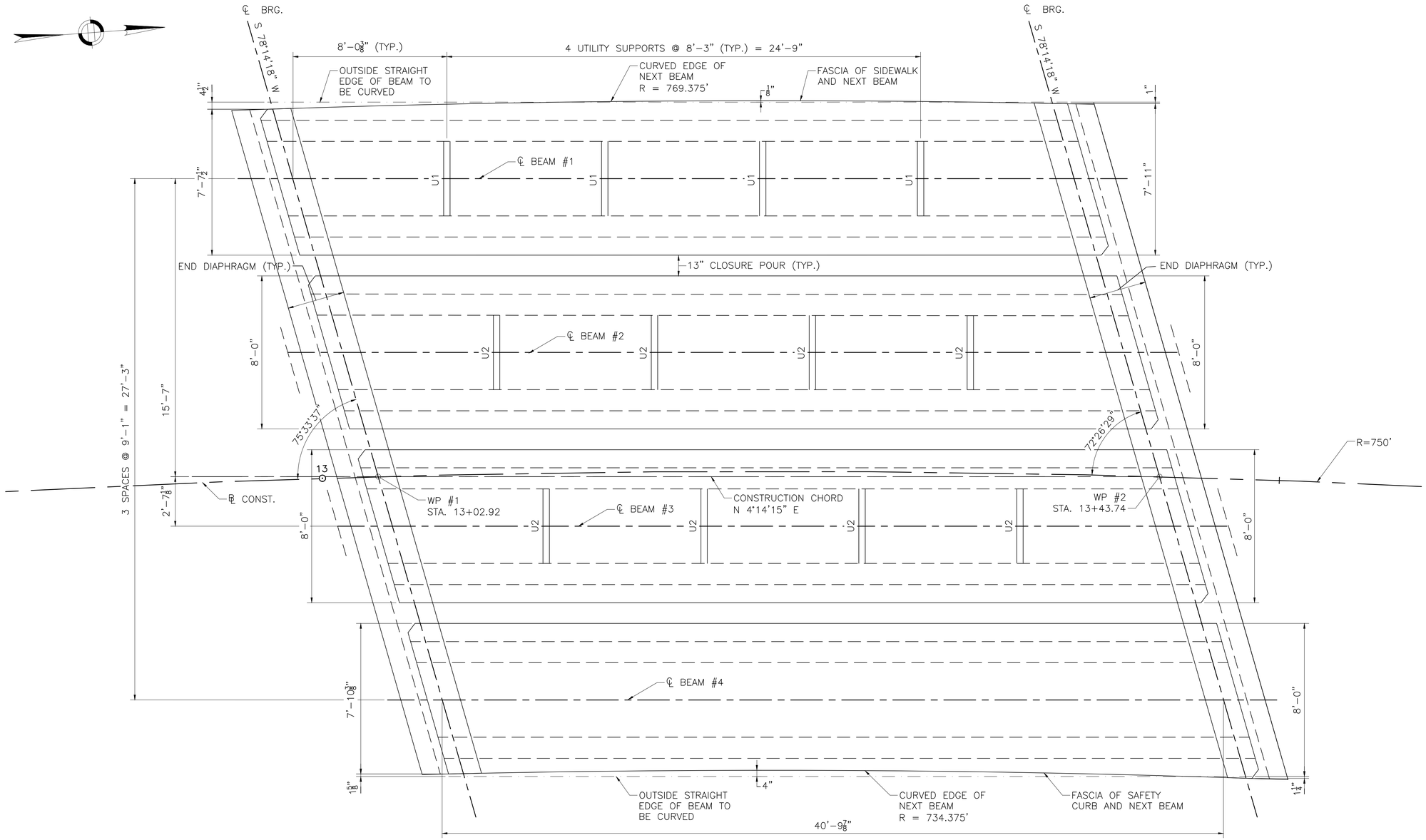
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	45	67
PROJECT FILE NO. 608616			

FRAMING PLAN



NOTE:
ANGLES SHOWN AT THE CENTERLINES OF THE BEARINGS ARE MEASURED FROM THE LOCAL TANGENT AT THE WORKING POINT.

FRAMING PLAN
SCALE: ⅜" = 1'-0"

JULY 12, 2025	ISSUED FOR CONSTRUCTION
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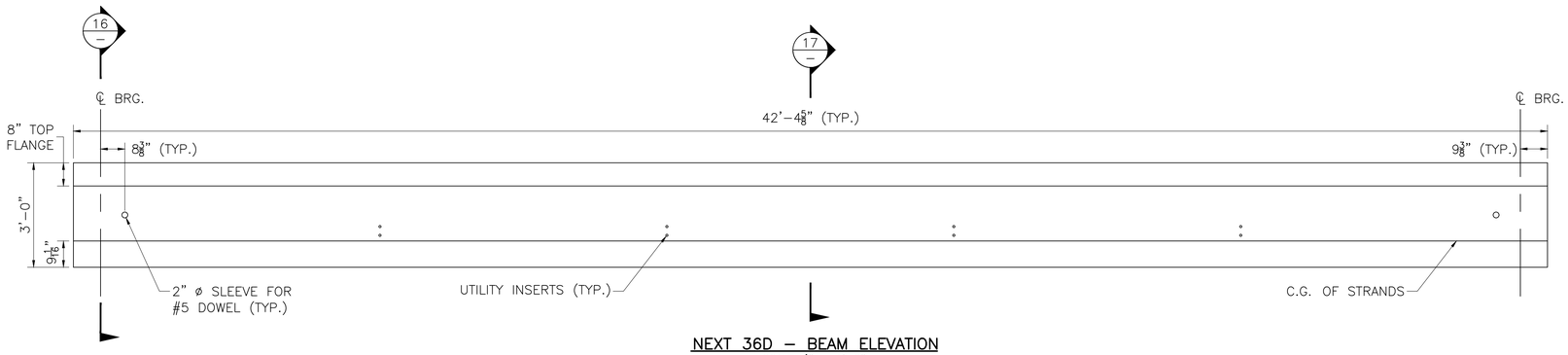
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	46	67
PROJECT FILE NO. 608616			

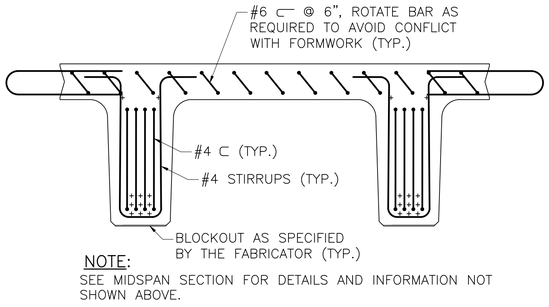
BEAM DETAILS – 1 OF 2



NEXT 36D – BEAM ELEVATION
SCALE: ½" = 1'–0"

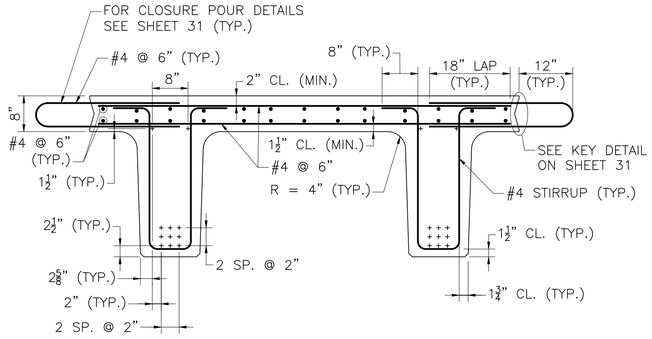
PRESTRESS NOTES:

1. + DENOTES STRAIGHT STRANDS.
2. ALL PRETENSIONING ELEMENTS SHALL BE 0.6" ø, UNCOATED, SEVEN-WIRE, LOW RELAXATION STEEL STRANDS AND SHALL CONFORM TO AASHTO M 203.
3. THE NOMINAL TENSILE STRENGTH OF THE PRETENSIONING STRANDS SHALL BE 270 KSI.
4. THE INITIAL TENSION PER 0.6" ø STRAND SHALL BE 44 KIPS.
5. THE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 8000 PSI.
6. NO PRESTRESS SHALL BE TRANSFERRED TO THE CONCRETE UNTIL IT HAS ATTAINED A COMPRESSIVE STRENGTH, AS SHOWN BY A CYLINDER TEST, OF AT LEAST 6000 PSI.
7. THE TOP OF THE BEAMS SHALL BE GIVEN A RAKED FINISHED (¼" AMPLITUDE) PERPENDICULAR TO THE BEAM'S AXIS UNDER SIDEWALKS AND SAFETY CURBS ONLY. OMIT RAKE FINISH UNDER ROADWAY WIDTH.
8. THE FABRICATOR IS FULLY RESPONSIBLE FOR THE DESIGN OF THE LIFTING DEVICES AND BEAM STRESSES DURING LIFTING AND HANDLING WHICH SHALL BE ADEQUATE FOR THE SAFETY FACTORS REQUIRED BY THE ERECTION PROCEDURE.
9. TO CONTROL CRACKING AT THE END OF THE BEAM, THE PRECASTER SHALL DEBOND APPROXIMATELY 50% OF THE STRANDS FOR THE FIRST 6" FROM THE END OF THE BEAM.



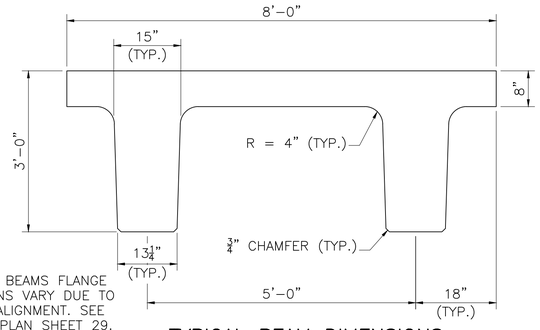
NOTE:
SEE MIDSPAN SECTION FOR DETAILS AND INFORMATION NOT SHOWN ABOVE.

SECTION 15 – END OF BEAM VERTICAL SECTION
SCALE: ¾" = 1'–0"

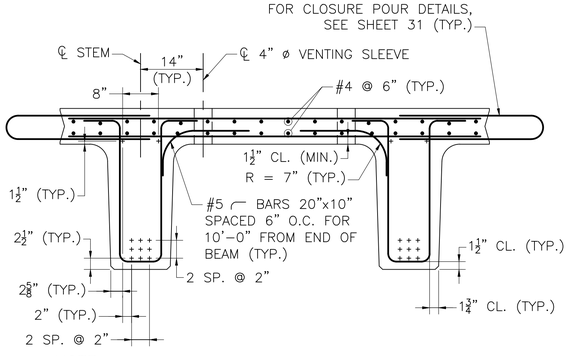


SECTION 17 – MIDSPAN SECTION – TYPICAL INTERIOR BEAM
SCALE: ¾" = 1'–0"

NOTE:
EXTERIOR BEAMS FLANGE DIMENSIONS VARY DUE TO CURVED ALIGNMENT. SEE FRAMING PLAN SHEET 29.

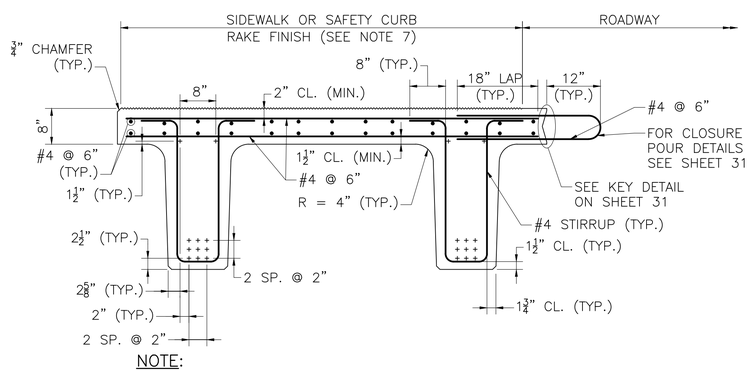


TYPICAL BEAM DIMENSIONS
SCALE: ¾" = 1'–0"



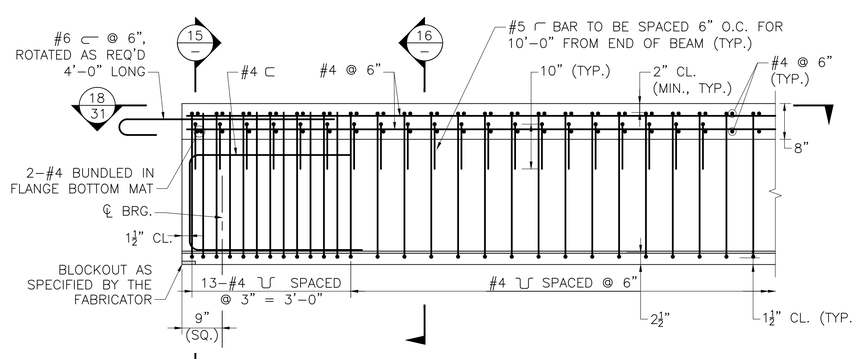
NOTE:
SEE MIDSPAN SECTION FOR DETAILS AND INFORMATION NOT SHOWN ABOVE.

SECTION 16 – VERTICAL SECTION NEAR ABUTMENT
SCALE: ¾" = 1'–0"



NOTE:
W. FASCIA SHOWN, E. FASCIA SIMILAR. SECTIONS 15 THROUGH 18 ALONG FASCIA ARE SIMILAR FOR REINFORCEMENT IN THE EXTERIOR FLANGE.

SECTION 17 – MIDSPAN SECTION AT W. FASCIA
SCALE: ¾" = 1'–0"



NOTE:
PRESTRESSING STRANDS NOT SHOWN FOR CLARITY.

BEAM LONGITUDINAL SECTION AT ABUTMENT
SCALE: ¾" = 1'–0"

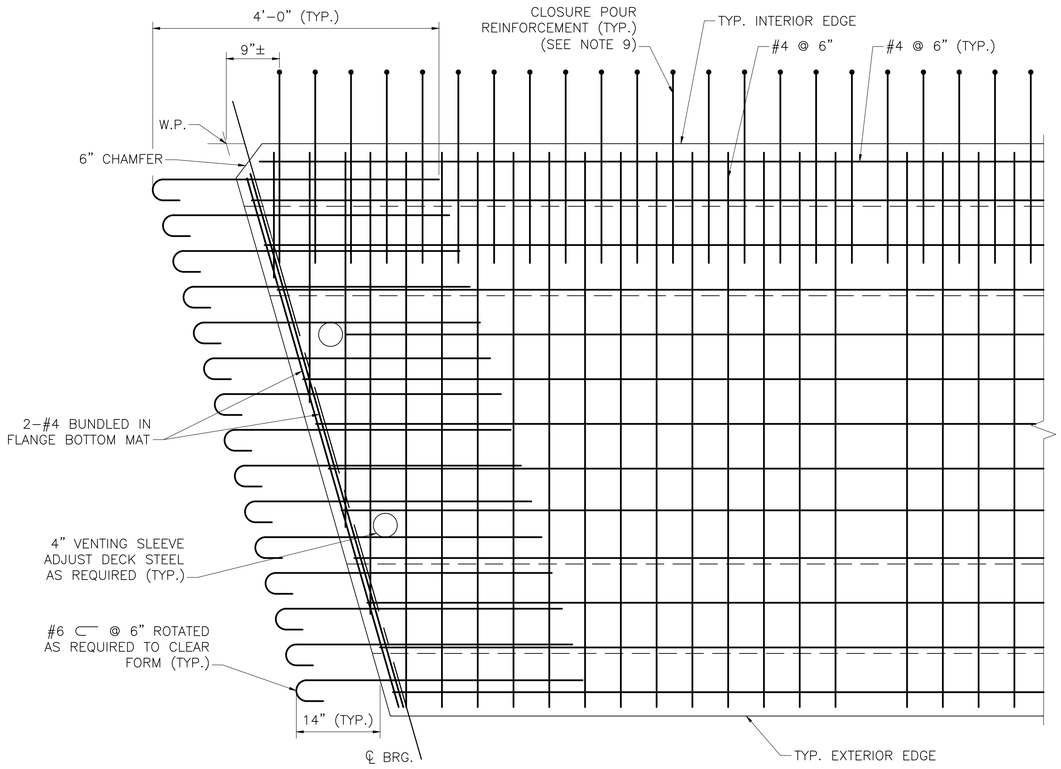
JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	47	67
PROJECT FILE NO. 608616			

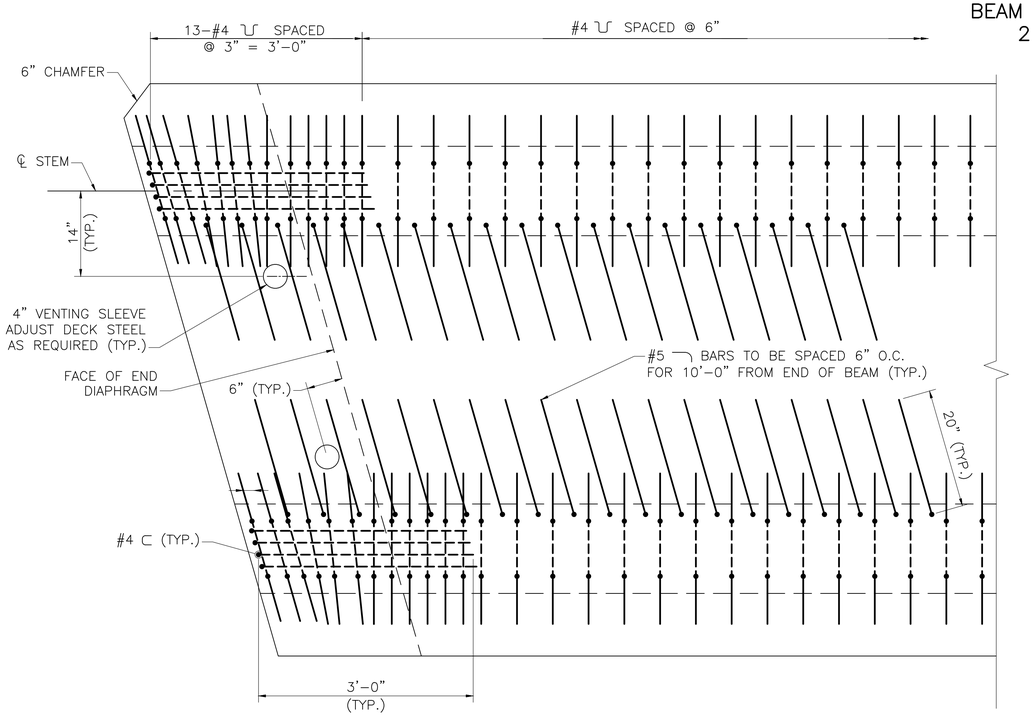
BEAM DETAILS – 2 OF 2



NOTE:
PRESTRESSING STRANDS NOT SHOWN FOR CLARITY. E. FASCIA BEAM SHOWN.

SECTION 18 – HORIZONTAL SECTION AT ABUTMENT WITH FLANGE REBAR

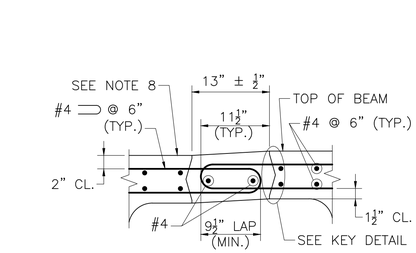
SCALE: 1" = 1'–0"



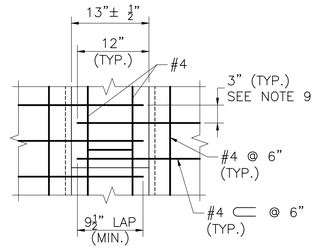
NOTE:
PRESTRESSING STRANDS NOT SHOWN FOR CLARITY. INTERIOR BEAM SHOWN.

SECTION 18 – HORIZONTAL SECTION AT ABUTMENT WITHOUT FLANGE REBAR

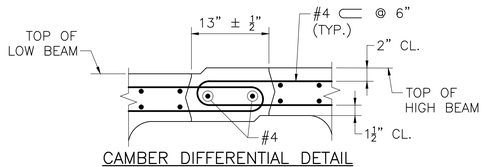
SCALE: 1" = 1'–0"



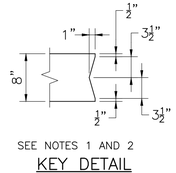
SECTION



PLAN



CAMBER DIFFERENTIAL DETAIL



SEE NOTES 1 AND 2
KEY DETAIL

TYPICAL CLOSURE POUR DETAILS

SCALE: 1" = 1'–0"

CLOSURE POUR NOTES:

1. THE FABRICATOR MAY CHANGE THE ½" AND 3½" DIMENSIONS IN THE SHEAR KEY TO 1" AND 3" RESPECTIVELY.
2. SHEAR KEY TO HAVE EXPOSED AGGREGATE FINISH.
3. CLOSURE POUR REINFORCING TO BE PLACED ALONG THE ENTIRE SPAN.
4. CLOSURE POUR REINFORCING SHALL BE PLACED PERPENDICULAR TO BEAM EDGE.
5. METHOD OF FORMING CLOSURE POUR TO BE DETERMINED BY THE CONTRACTOR. THE FORMS SHALL BE REMOVABLE AND SHALL BE ABLE TO ACCOMMODATE DIFFERENTIAL CAMBER. FORM SUPPORTS SHOULD NOT PENETRATE THROUGH TOP OF POUR UNLESS APPROVED BY THE ENGINEER.
6. CLOSURE POUR CONCRETE SHALL BE 5000 PSI HP CEMENT CONCRETE. CLOSURE POUR CONCRETE SHALL REACH A COMPRESSIVE STRENGTH OF 5000 PSI BEFORE THE ROADWAY IS REOPENED TO PUBLIC TRAFFIC.
7. AT THE CONTRACTOR'S OPTION, GALVANIZED INSERTS MAY BE CAST IN TO THE BEAMS TO FACILITATE FORMING OF THE CLOSURE POUR. THE INSERTS SHALL BE SHOWN ON THE SHOP DRAWINGS AND MAY NOT BE CLOSER THAN 2'–0" O.C. CALCULATIONS SHALL BE PROVIDED ALONG WITH MANUFACTURER'S RECOMMENDATIONS DEMONSTRATING THAT THE INSERTS ARE SUFFICIENT FOR THE INTENDED PURPOSE.
8. WHEN MINIMUM COVER OVER HOOPS IN THE CLOSURE POUR IS LESS THAN 1" USE CAMBER DIFFERENTIAL DETAIL.
9. CARE SHALL BE TAKEN DURING DETAILING TO ENSURE THAT CLOSURE POUR REINFORCING FROM ADJACENT BEAMS ALTERNATE EVERY 3".

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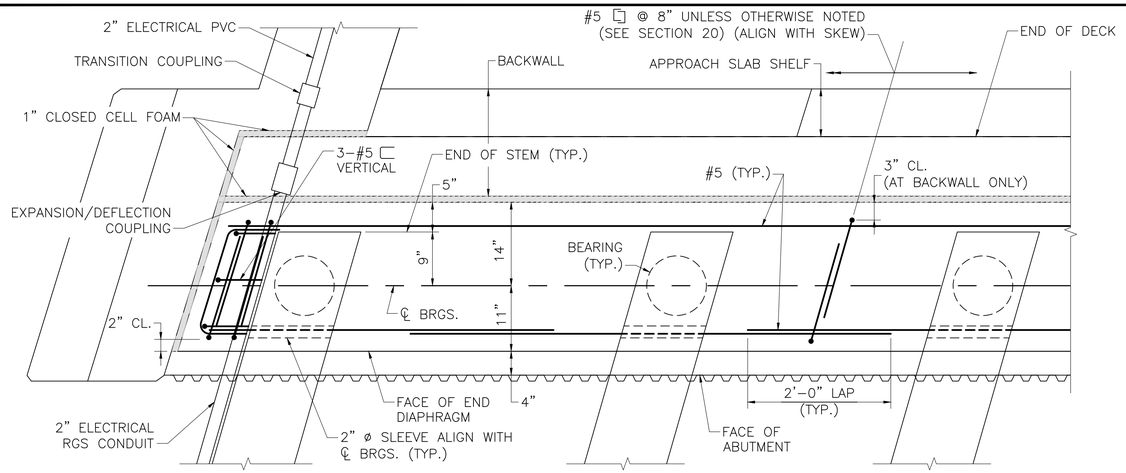
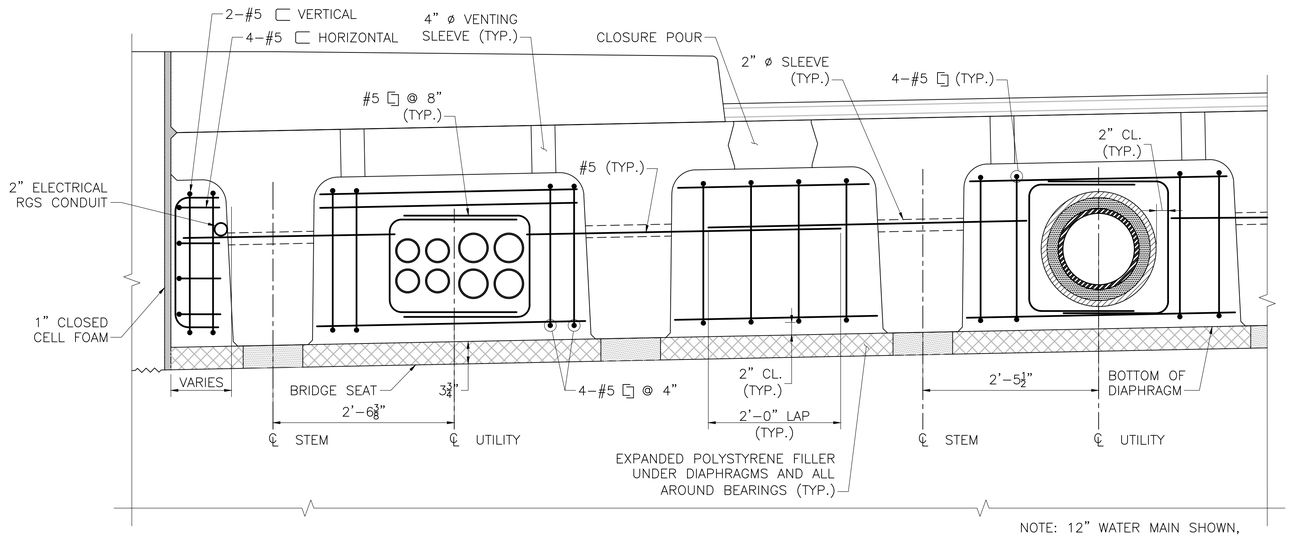
END DIAPHRAGM DETAILS



SECTION 19 – HORIZONTAL SECTION THRU END DIAPHRAGM

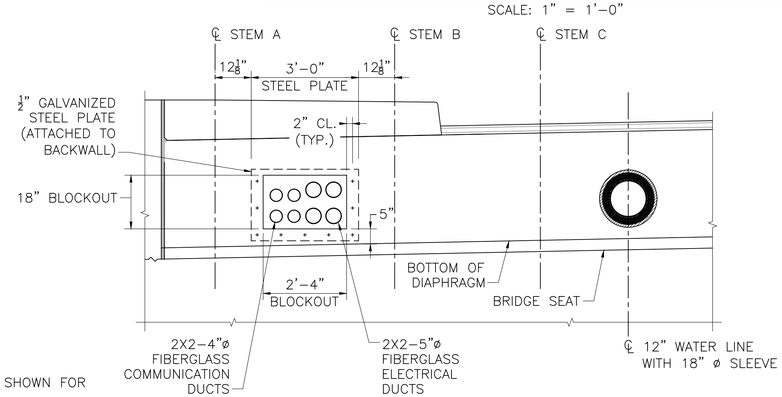
SCALE: 1" = 1'-0"



NOTE: 12" WATER MAIN SHOWN, 4" SEWER LINE SIMILAR.

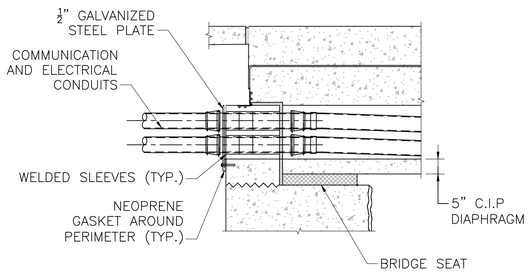
SECTION 20 – VERTICAL SECTION THRU END DIAPHRAGM

SCALE: 1" = 1'-0"



NOTE:
1. REBAR NOT SHOWN FOR CLARITY.
2. 12" WATER LINE SHOWN, 4" SEWER LINE SIMILAR.

PARTIAL ABUTMENT END DIAPHRAGM ELEVATION



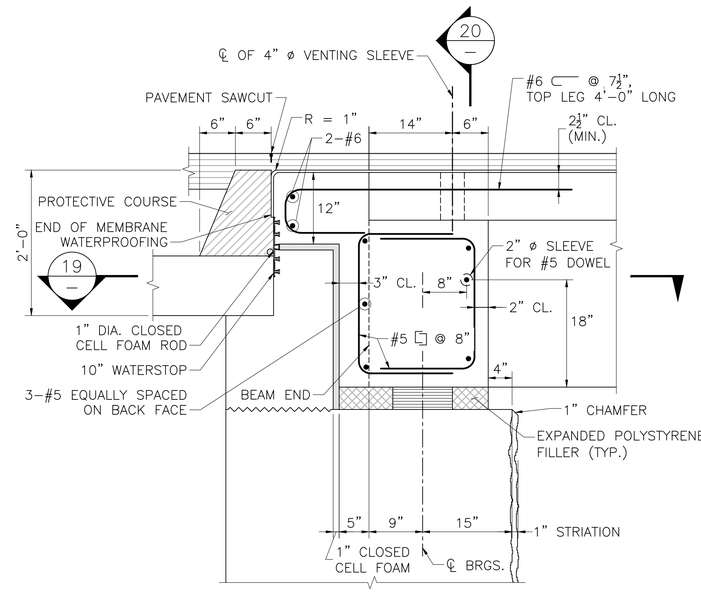
CONDUIT PENETRATION THRU DIAPHRAGM

UTILITY DETAILS AT ABUTMENT END DIAPHRAGM

SCALE: ½" = 1'-0"

END DIAPHRAGM NOTES:

1. ALL REINFORCEMENT SHALL BE COATED.
2. THE BACKWALL AND CURTAIN WALL CONCRETE MUST BE PLACED AND SUFFICIENTLY CURED PRIOR TO PLACING THE END DIAPHRAGM CONCRETE.
3. THE END DIAPHRAGM CONCRETE SHALL BE 5000 PSI HP CEMENT CONCRETE AND SHALL BE PLACED MONOLITHICALLY WITH CLOSURE POUR.
4. EXPANDED POLYSTYRENE FILL SHALL BE PLACED UNDER THE BEAM BOTTOM FLANGE AND THE BOTTOM OF THE END DIAPHRAGM.
5. PRIOR TO PLACING THE END DIAPHRAGM CONCRETE, CLOSED CELL FOAM OF THE SPECIFIED THICKNESS SHALL BE ATTACHED WITH ADHESIVE TO ALL SURFACES OF THE BACKWALL AND CURTAIN WALLS AS SHOWN ON THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL ENSURE THAT ALL ABUTMENT CONCRETE IS PROPERLY LINED. END DIAPHRAGM CONCRETE MUST NOT COME IN DIRECT CONTACT WITH ABUTMENT CONCRETE.
6. FLANGE REINFORCEMENT NOT SHOWN FOR CLARITY.



NOTE:
FOR ROADWAY SECTION DETAILS, SEE SHEET 21.

END DIAPHRAGM SECTION

SCALE: 1" = 1'-0"

JULY 12, 2025	ISSUED FOR CONSTRUCTION
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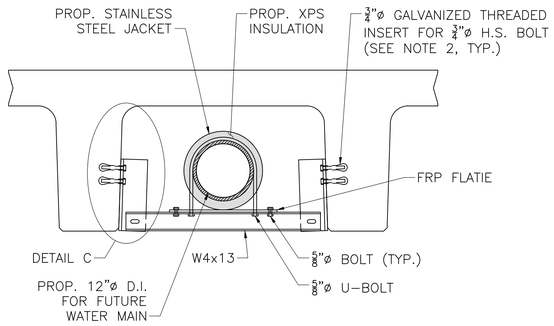
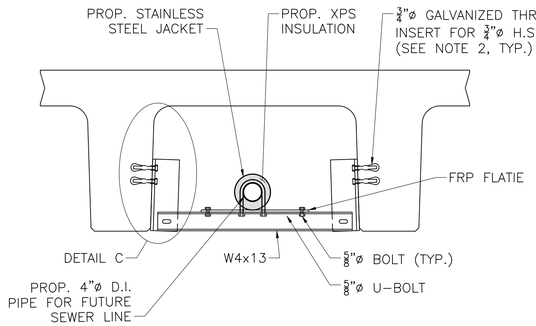
MA	STP(BR-OFF)-003S(863)X	49	67
PROJECT FILE NO. 608616			

UTILITY SUPPORT DETAILS



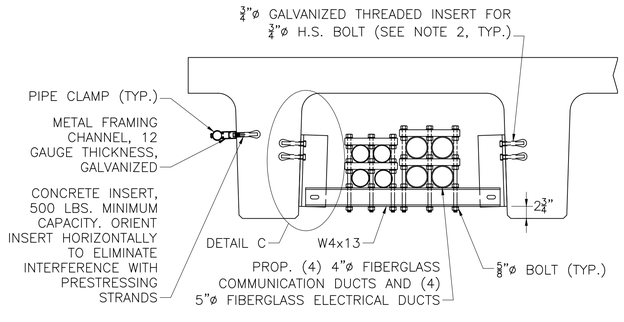
UTILITY SUPPORT DETAIL–U2 – WATER MAIN

SCALE: ¾" = 1'–0"



UTILITY SUPPORT DETAIL–U2 – SEWER LINE

SCALE: ¾" = 1'–0"

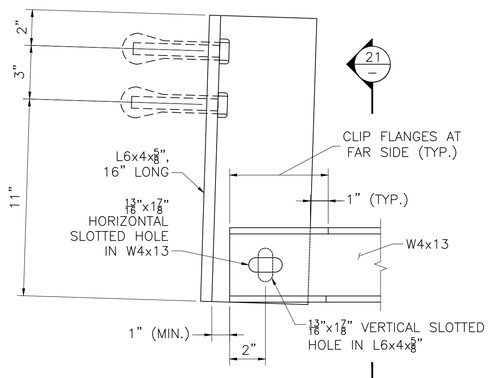


UTILITY SUPPORT DETAIL–U1

SCALE: ¾" = 1'–0"

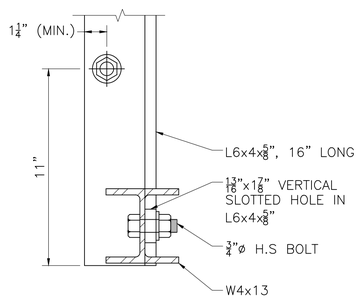
UTILITY SUPPORT NOTES:

1. ALL STRUCTURAL STEEL FOR UTILITY SUPPORTS SHALL CONFORM TO AASHTO M 270 GRADE 36. ALL STRUCTURAL STEEL AND FASTENERS SHALL BE HOT–DIP GALVANIZED IN ACCORDANCE WITH AASHTO M 111 AND M 232.
2. THE ¾"ø THREADED INSERTS FOR ¾"ø H.S. BOLTS SHALL BE CAST INTO THE PRECAST BEAMS BY THE FABRICATOR AND SHALL PROVIDE A MINIMUM NOMINAL TENSILE RESISTANCE OF 4.0 KIPS AND A MINIMUM NOMINAL SHEAR RESISTANCE OF 4.0 KIPS IN 3000 PSI CONCRETE.
3. INSERTS SHALL BE POSITIONED TO AVOID INTERFERENCE WITH PRESTRESSING STRANDS.
4. CONCRETE INSERTS TO BE CONSTRUCTED AND SHIPPED WITH NEXT BEAM. NUTS WILL BE INSTALLED AFTER BEAMS ARE INSTALLED AND SECURE.



DETAIL C

SCALE: 3" = 1'–0"



SECTION 21

SCALE: 3" = 1'–0"

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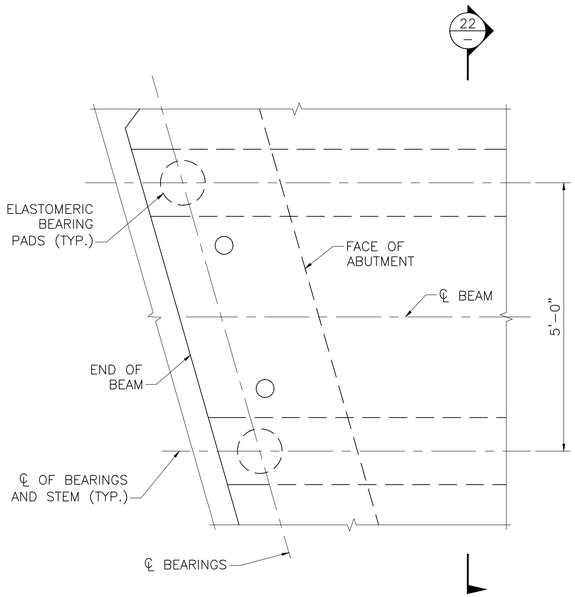
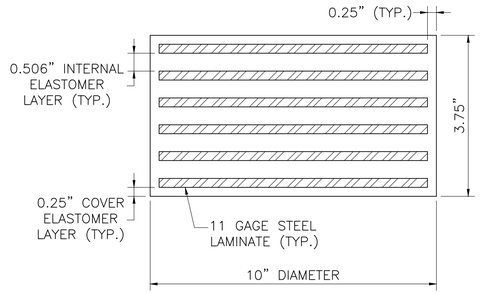
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	50	67
PROJECT FILE NO. 608616			

BEARING PAD DETAILS



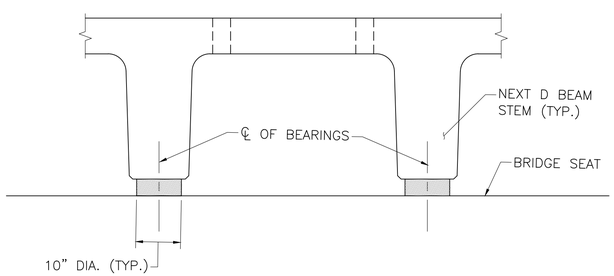
TYPICAL BEARING PLAN
SCALE: $\frac{3}{4}$" = 1'-0"



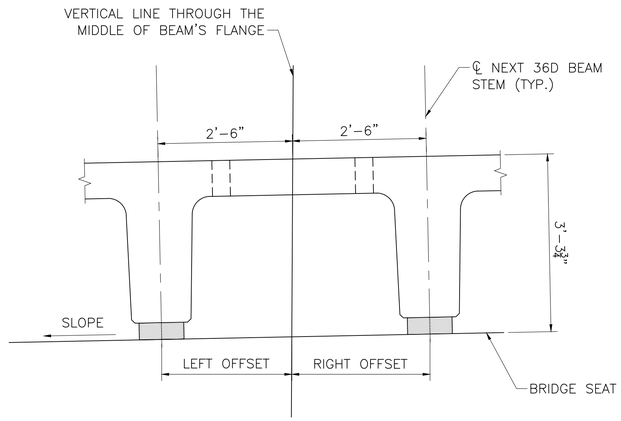
ELASTOMERIC BEARING PAD NOTES:

1. ELASTOMER SHALL HAVE A SHEAR MODULUS OF 0.160 KSI.
2. STEEL LAMINATES SHALL CONFORM TO ASTM A 1011 GRADE 36.
3. THE COMPRESSIVE DESIGN LOAD ON THE BEARING PAD IS 69 KIPS. THE COMPRESSIVE DESIGN STRESS IS THE RESULT OF DIVIDING THE COMPRESSIVE DESIGN LOAD BY THE AREA OF THE PAD AND IS EQUAL TO 0.88 KSI.

ELASTOMERIC BEARING PAD
NOT TO SCALE



SECTION 22
SCALE: $\frac{3}{4}$" = 1'-0"



BEARING OFFSET DETAIL
SCALE: $\frac{3}{4}$" = 1'-0"

BEAM BEARING OFFSETS			
BEAM NO.	SLOPE (%)	LEFT BEARING (FT.)	RIGHT BEARING (FT.)
1	2.00	2'-5¼"	2'-6¾"
2	2.00	2'-5¼"	2'-6¾"
3	-1.60	2'-5⅜"	2'-6⅝"
4	-2.00	2'-5¼"	2'-6¾"

NOTES:
1. OFFSETS (LEFT AND RIGHT) ARE GIVEN LOOKING UPSTATION ALONG THE BEAM CENTERLINE.
2. SEE FRAMING PLAN ON SHEET 29 FOR ADDITIONAL INFORMATION.

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TAUNTON
SCADDING STREET OVER SNAKE RIVER

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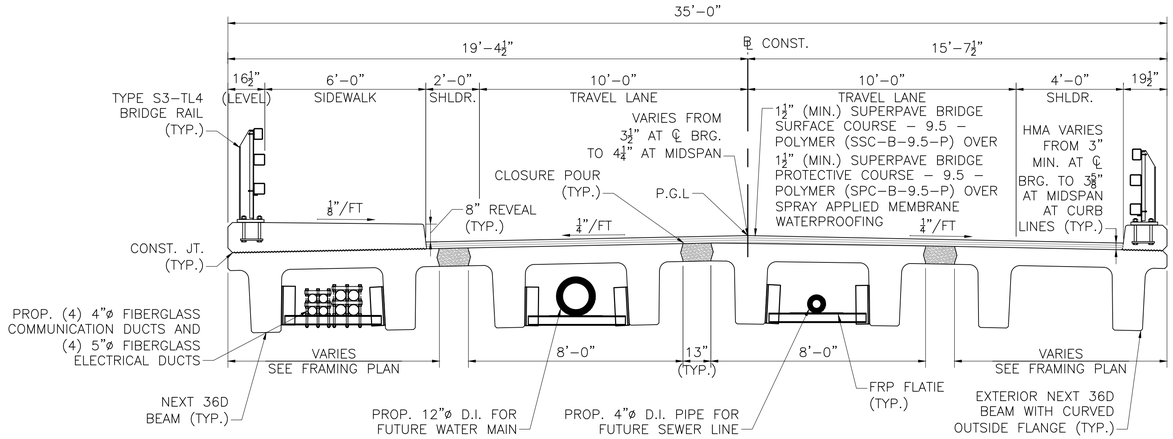
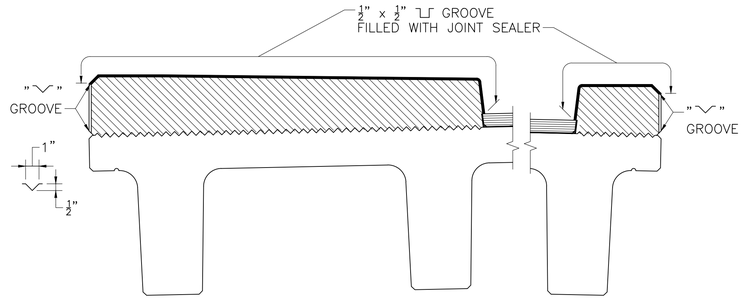
MA	STP(BR-OFF)-003S(863)X	51	67
PROJECT FILE NO. 608616			

TYPICAL SUPERSTRUCTURE CROSS SECTION AND DECK DETAILS



NOTE:
BEAMS TO BE SURVEYED AFTER ERECTION TO DETERMINE FINAL VARYING HMA THICKNESSES DUE TO VERTICAL CURVE AND CAMBER. HMA THICKNESSES SHOWN ABOVE ARE ESTIMATED.

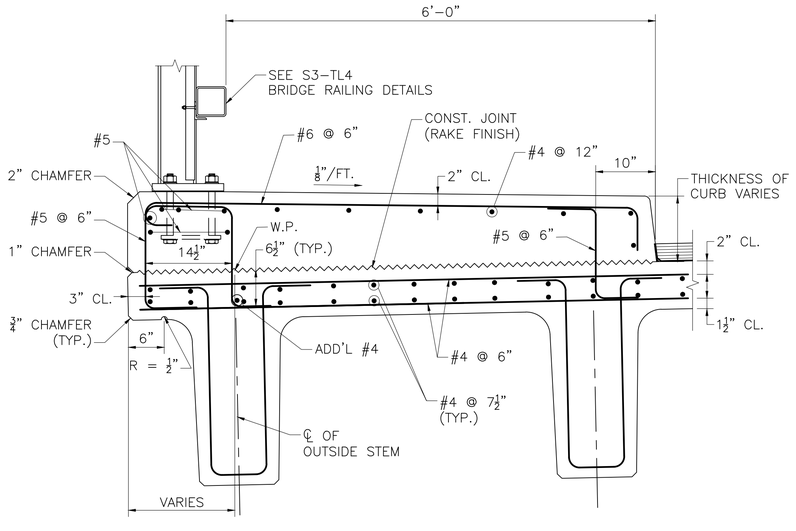
TYPICAL TRANSVERSE SECTION
SCALE: ⅜" = 1'-0"



SIDEWALK SAFETY CURB

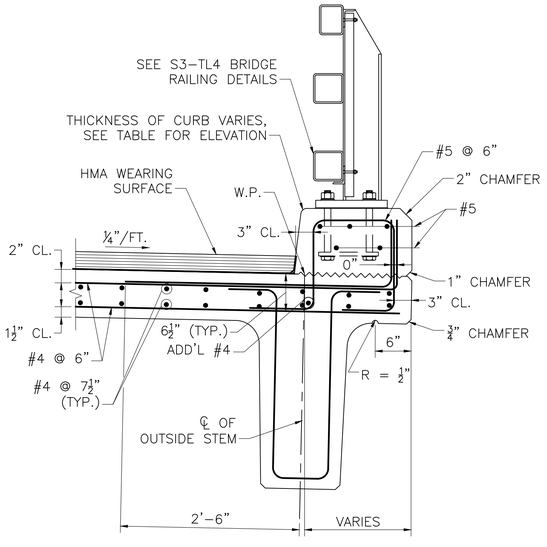
PARAFFIN JOINT DETAILS
SCALE: ¾" = 1'-0"

ESTIMATED CAMBER AND DEFLECTIONS AT MIDSPAN (INCHES)					
STATE OF BEAM	DIRECTION	BEAM #1	BEAM #2	BEAM #3	BEAM #4
CAMBER AT TRANSFER	UP	0.35	0.35	0.35	0.35
CAMBER AT ERECTION	UP	0.52	0.54	0.55	0.58
FINAL NCDL DEFLECTION	DOWN	0.06	0.08	0.08	0.01
FINAL CDL DEFLECTION	DOWN	0.27	0.19	0.16	0.14



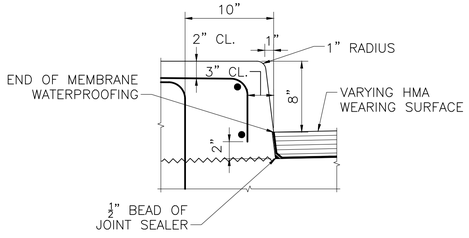
NOTE:
PRESTRESSING STRANDS IN THE BEAM ARE NOT SHOWN FOR CLARITY.

SECTION THRU SIDEWALK
SCALE: 1" = 1'-0"



NOTE:
PRESTRESSING STRANDS IN THE BEAM ARE NOT SHOWN FOR CLARITY.

SECTION THRU SAFETY CURB
SCALE: 1" = 1'-0"



FACE OF CURB NOTES:

1. SPRAY MEMBRANE UP TO BOTTOM OF CURB.
2. DIMENSIONS AT THE FACE OF CURB ARE THE SAME FOR THE SAFETY CURB.
3. HMA THICKNESS VARIES (3" MIN.) AT CURB FACE ALONG LENGTH OF BRIDGE TO ACCOMMODATE VERTICAL CURVE AND NEXT D BEAM CAMBER.

FACE OF SIDEWALK CURB DETAILS
SCALE: 1½" = 1'-0"

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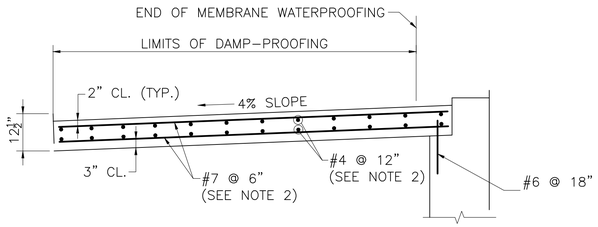
DATE	DESCRIPTION
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT AUTHORIZED SIGNATORY:	STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE	

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	52	67
PROJECT FILE NO. 608616			

APPROACH SLAB DETAILS

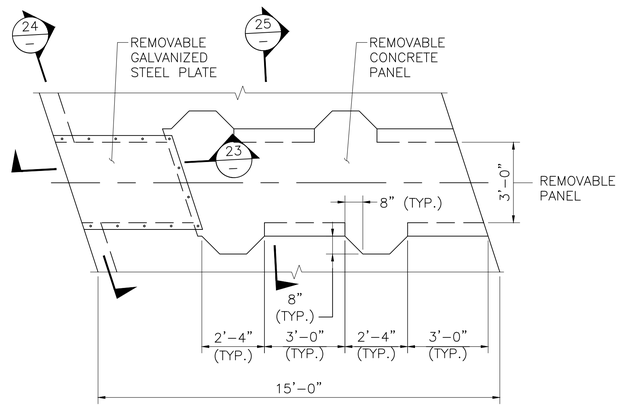


APPROACH SLAB NOTES:

1. APPROACH SLAB TO BE 5000 PSI CEMENT CONCRETE.
2. PLACE LONGITUDINAL REINFORCEMENT PARALLEL TO CENTERLINE OF CONSTRUCTION. PLACE TRANSVERSE REINFORCEMENT PARALLEL TO ABUTMENT.
3. ALL REINFORCEMENT SHALL NOT BE COATED.

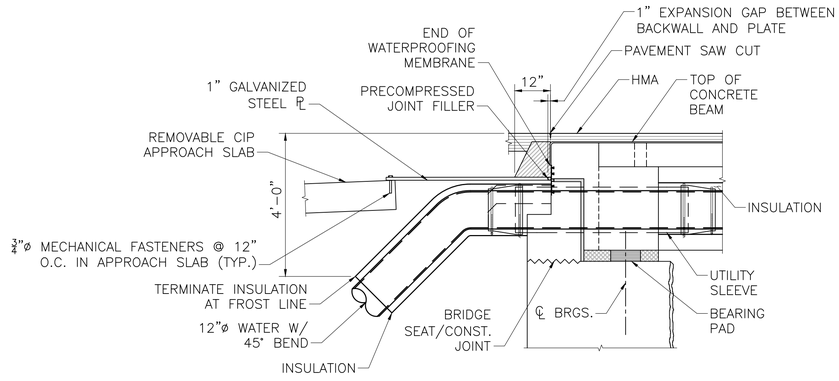
APPROACH SLAB DETAILS

SCALE: ½" = 1'-0"



PLAN OF TYPICAL REMOVABLE APPROACH SLAB PANELS

SCALE: ⅜" = 1'-0"

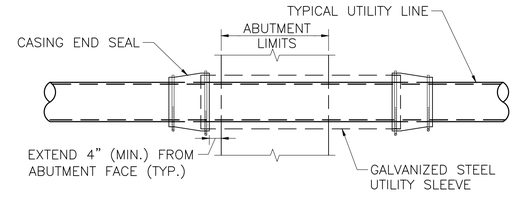


NOTE:

12"ø WATER MAIN SHOWN. 4"ø SEWER LINE SIMILAR.

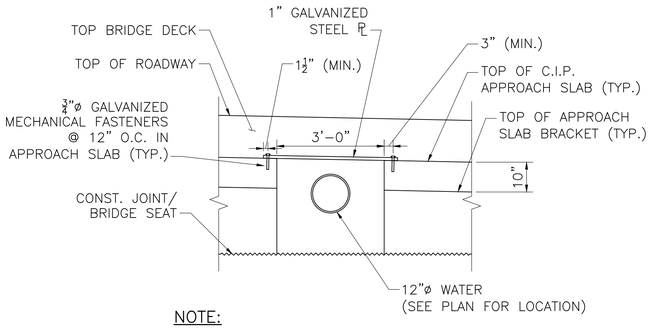
SECTION 23 – REMOVABLE STEEL PLATE DETAIL

SCALE: ½" = 1'-0"



SLEEVE LONGITUDINAL SECTION

N.T.S.

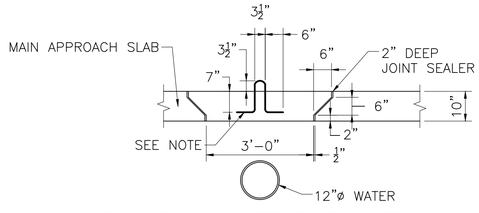


NOTE:

12" ø WATER MAIN SHOWN. 4" ø SEWER LINE SIMILAR.

SECTION 24 – REMOVABLE STEEL PLATE DETAIL

SCALE: ½" = 1'-0"



REMOVABLE CONCRETE PANEL NOTE:

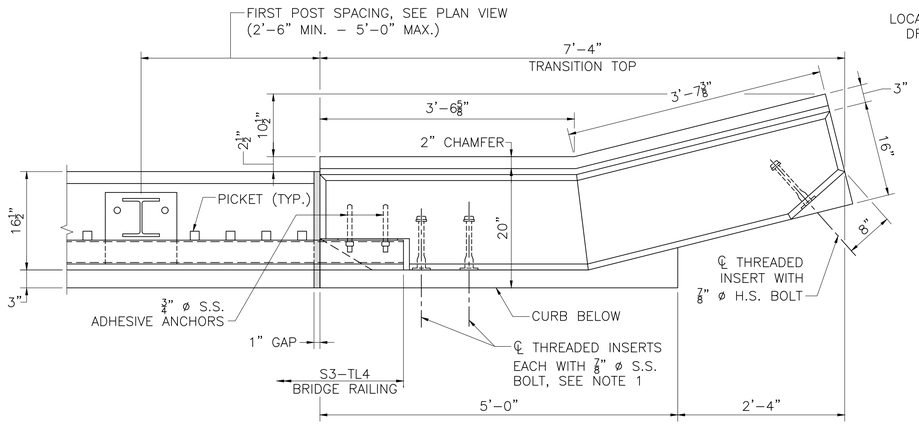
1. LIFT HOOKS REQUIRED. USE #5 COATED REBAR AT QUARTER POINTS.
2. REMOVABLE PANEL APPROACH SLAB REINFORCEMENT IS TO BE THE SAME AS THAT USED FOR THE MAIN APPROACH SLAB.

SECTION 25 – REMOVABLE CONCRETE PANEL DETAIL

SCALE: ½" = 1'-0"

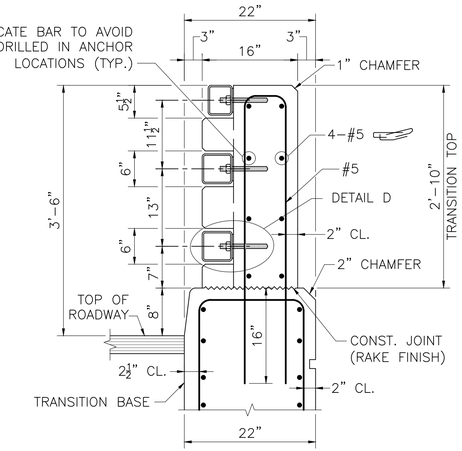
JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE



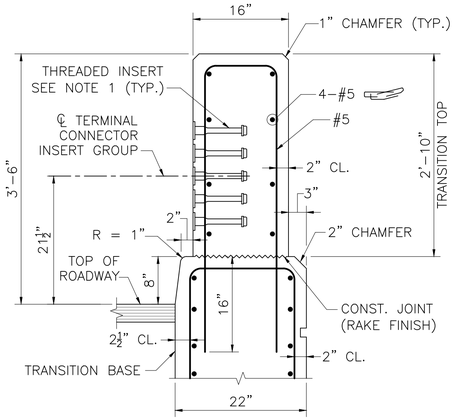
PLAN AT SAFETY CURB

SCALE: 1" = 1'-0"



SECTION 27 AT SAFETY CURB

SCALE: 1" = 1'-0"



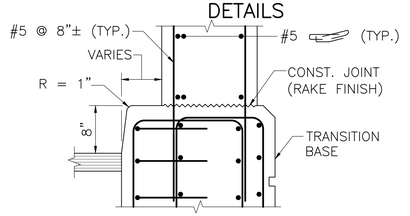
SECTION 28 AT SAFETY CURB

SCALE: 1" = 1'-0"

TAUNTON
SCADDING STREET OVER SNAKE RIVER

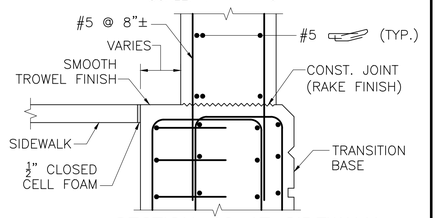
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	53	67
PROJECT FILE NO. 608616			

HIGHWAY TRANSITION
DETAILS



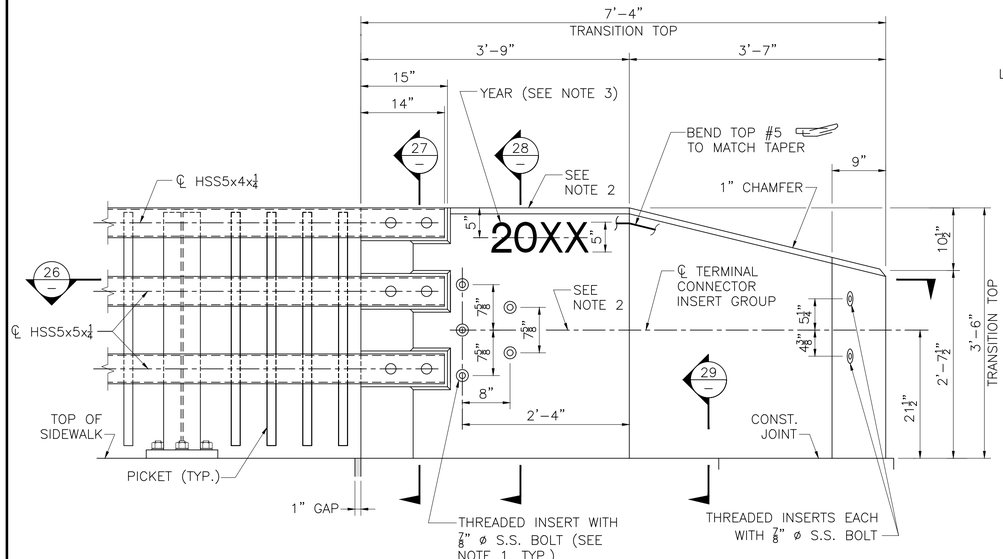
SECTION 29 AT SAFETY CURB

SCALE: 1" = 1'-0"



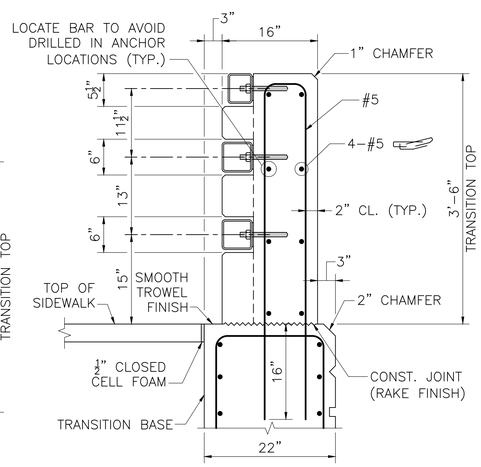
SECTION 29 AT SIDEWALK

SCALE: 1" = 1'-0"



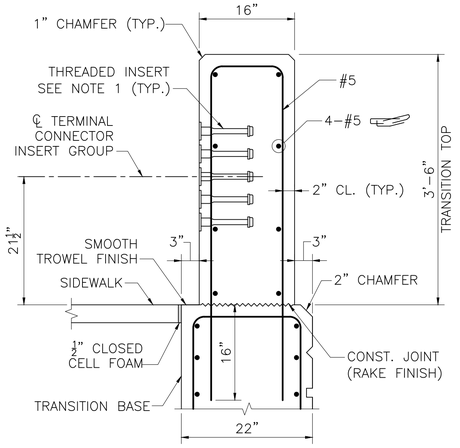
ELEVATION AT SIDEWALK

SCALE: 1" = 1'-0"



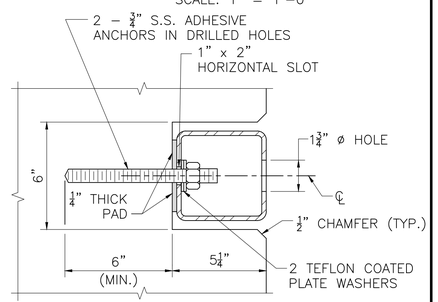
SECTION 27 AT SIDEWALK

SCALE: 1" = 1'-0"



SECTION 28 AT SIDEWALK

SCALE: 1" = 1'-0"

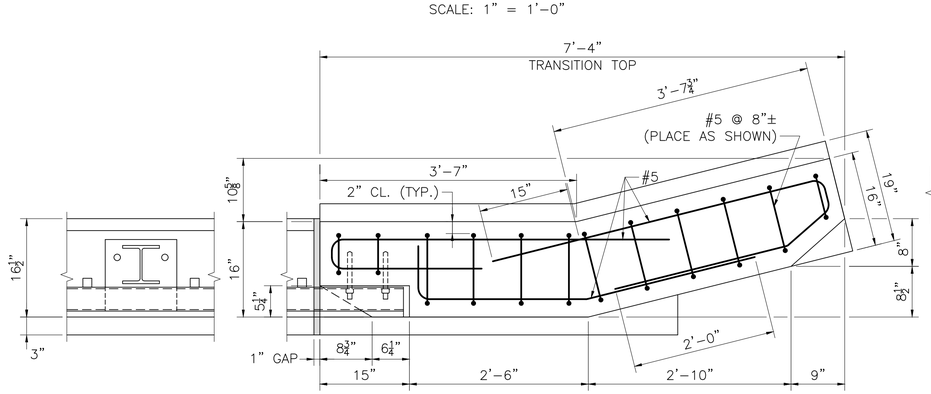


DETAIL D

SCALE: 3" = 1'-0"

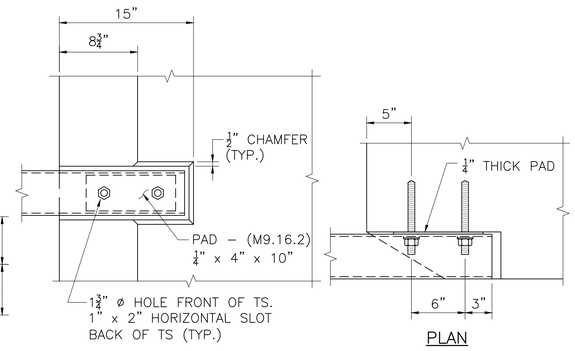
NOTES:

1. THREADED INSERTS SHALL BE PREQUALIFIED BY THE MANUFACTURER AS BEING CAPABLE OF DEVELOPING A NOMINAL SHEAR RESISTANCE OF 20 KIPS PER ⅞" ø S.S. BOLT. S.S. BOLTS SHALL BE ⅞" ø x 1½" LONG FULLY THREADED AISI TYPE 304N STAINLESS STEEL. INSERTS FOR ⅞" S.S. BOLTS SHALL BE GALVANIZED AND CAST INTO THE TRANSITION.
2. 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. FOR AN APPROACH GRADE IN EXCESS OF 3%, THE TRANSITION TOP AND THE TOP OF CURB SHALL FOLLOW THE APPROACH GRADE. THE HEIGHT OF THE TRANSITION TOP SHALL VARY PROVIDED THAT THE MINIMUM DIMENSIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE MET. THE BOTTOM OF THE TRANSITION BASE SHALL BE SET LEVEL WITH THE MINIMUM EMBEDMENT DEPTH SHOWN. THE TERMINAL CONNECTOR INSERT GROUP SHALL BE SLOPED TO FOLLOW THE APPROACH GRADE.
3. USE LATEST CONTRACT COMPLETION YEAR IN EFFECT WHEN THE FIRST GUARDRAIL TRANSITION IS CAST. USE THIS YEAR FOR ALL GUARDRAIL TRANSITIONS.
4. ALL CONCRETE FOR THE PRECAST HIGHWAY GUARDRAIL TRANSITION SHALL BE 5000 HP CEMENT CONCRETE.
5. LIFTING DEVICES (NOT SHOWN), INCLUDING THEIR NUMBER AND LOCATION, SHALL BE DESIGNED AND DETAILED BY THE PRECASTER. THEY SHALL BE GALVANIZED AND SHALL BE PLACED AND RECESSED IN POCKETS TO PROVIDE 1½" CLEAR COVER TO THE FACE OF THE TRANSITION CONCRETE. THESE DEVICES SHALL BE CLEARLY SHOWN ON THE SHOP DRAWINGS ALONG WITH ALL SUPPORTING CALCULATIONS AND/OR CATALOG CUTS. ONCE THE PRECAST TRANSITION IS SET IN PLACE, THE LIFTING DEVICE POCKETS SHALL BE FILLED WITH A NON-SHRINK GROUT THAT MATCHES THE COLOR OF THE TRANSITION CONCRETE WHEN CURED AND THE FILLED POCKETS SHALL BE RUBBED WITH A CORUNDUM STONE TO BLEND OUT THE JOINTS.



SECTION 26

SCALE: 1" = 1'-0"



RAIL ATTACHMENT

SCALE: 1½" = 1'-0"

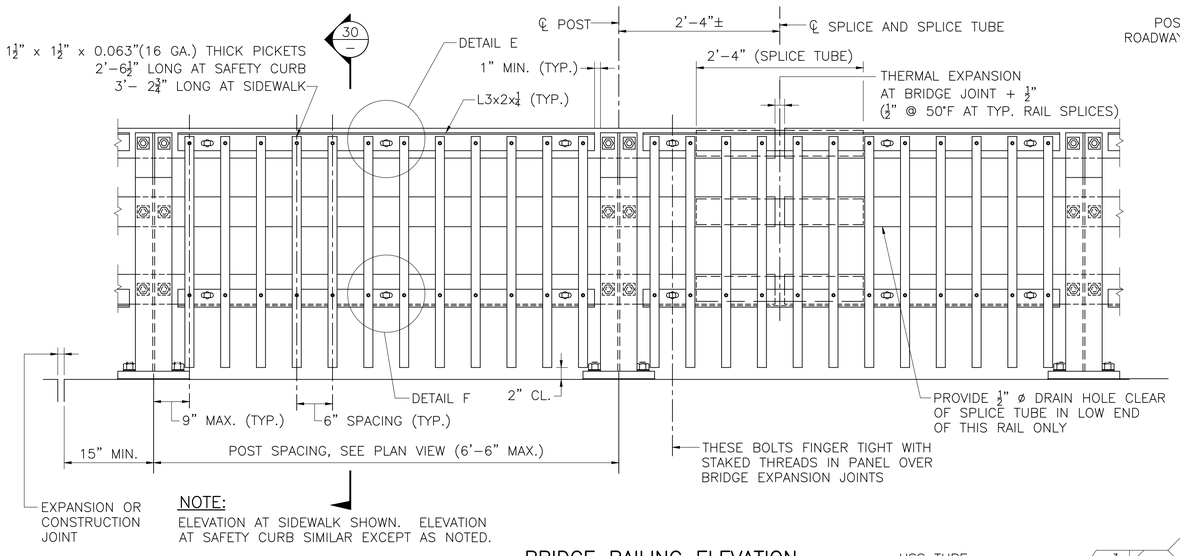
JULY 12, 2025	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER

USE ONLY PRINTS OF LATEST DATE

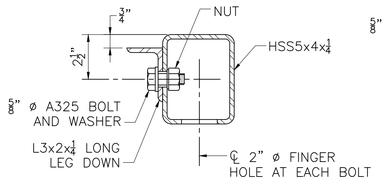
TOP OF PRECAST HIGHWAY GUARDRAIL TRANSITION FOR S3-TL4 RAILING

608616_BR37(T01024).DWG Plotted on 24-Jun-2025 10:13 AM
FINAL BRIDGE SUBMISSION - (SF) 28-MARCH-2025

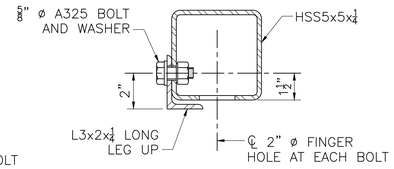


NOTE:
ELEVATION AT SIDEWALK SHOWN. ELEVATION AT SAFETY CURB SIMILAR EXCEPT AS NOTED.

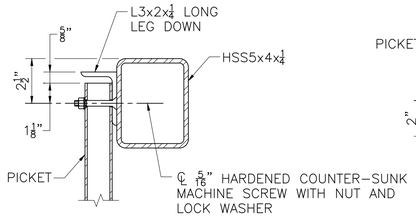
BRIDGE RAILING ELEVATION
SCALE: 1" = 1'–0"



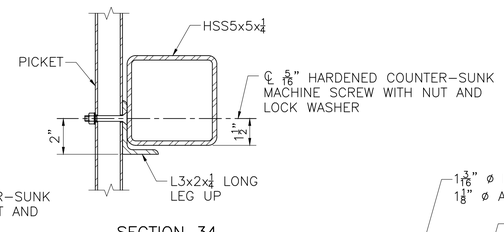
SECTION 31



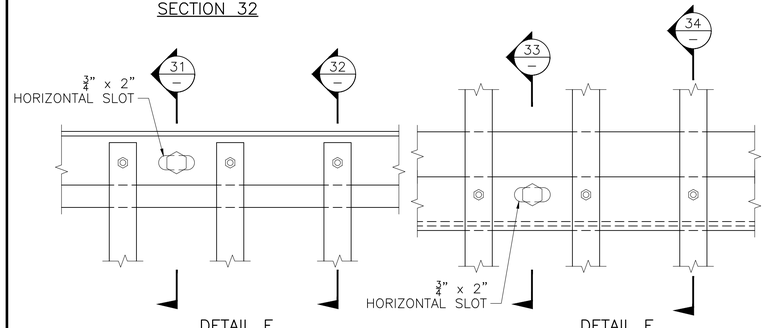
SECTION 33



SECTION 32

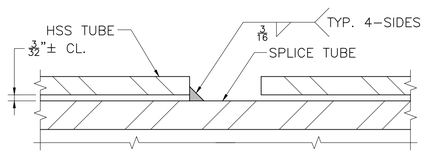


SECTION 34



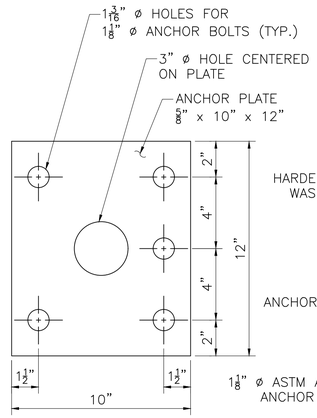
DETAIL E DETAIL F

TYPICAL PICKET TO RAIL DETAILS
SCALE: 3" = 1'–0"

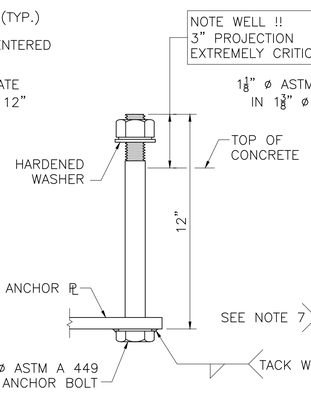


SPLICE DETAIL
FULL SIZE

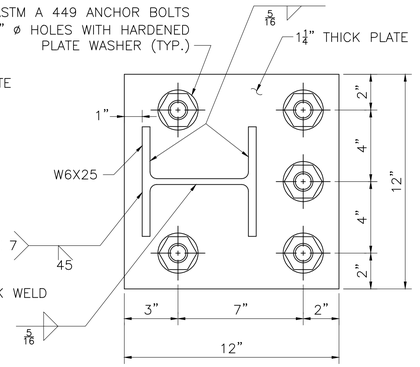
TYPICAL SPLICE
SCALE: 1" = 1'–0"



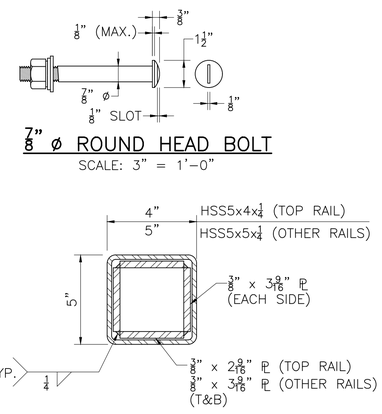
ANCHOR PLATE
SCALE: 3" = 1'–0"



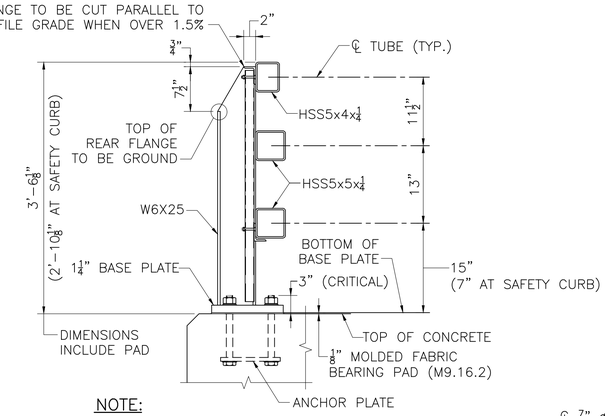
ANCHOR BOLT
SCALE: 3" = 1'–0"



BASE PLATE
SCALE: 3" = 1'–0"



SPLICE TUBE DETIALS
SCALE: 3" = 1'–0"



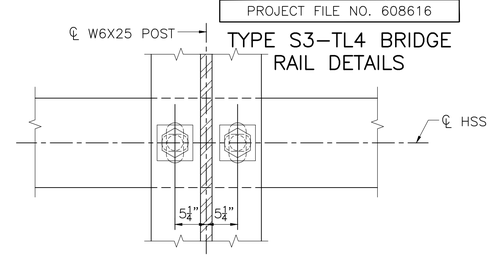
NOTE:
SECTION AT SIDEWALK SHOWN. SECTION AT SAFETY CURB SIMILAR, EXCEPT AS NOTED.

SECTION 30
SCALE: 1" = 1'–0"

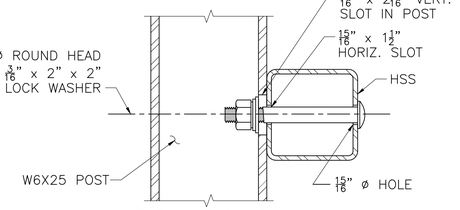
TAUNTON
SCADDING STREET OVER SNAKE RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR–OFF)–003S(863)X	54	67
PROJECT FILE NO. 608616			

TYPE S3–TL4 BRIDGE RAIL DETAILS



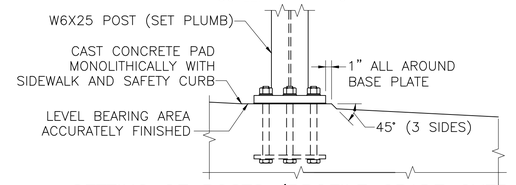
SECTION THRU POST WEB



SECTION THRU RAIL

NOTE:
CONNECTIONS AT LOWER RAILS SHOWN.
CONNECTIONS AT TOP RAIL SIMILAR.

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



SETTING OF POSTS (PROFILE GRADE OVER 1.5%)
SCALE: 1" = 1'–0"

RAILING NOTES:

1. 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 Fy = 50 KSI MINIMUM. THE MINIMUM HORIZONTAL BENDING RADII 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 Fy = 36 KSI MIN. OR A 500 GRADE B.
2. ALL STEEL (EXCEPT THE ⅝" 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 ⅞" ø ROUND HEAD BOLTS SHALL BE PAINTED TO MATCH RAIL.
3. 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.
4. RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF FOUR (4) POSTS WITHOUT SPLICES WHERE POSSIBLE. RAILS SHALL BE SPLICED IN THE PANELS OVER EXPANSION JOINT.
5. ENDS OF TUBE SECTIONS SHALL BE SAWED. GRIND SMOOTH EXPOSED EDGES. ALL CUT ENDS SHALL BE TRUE AND SMOOTH.
6. 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.
7. POST FLANGE WELD DOES NOT REQUIRE MAGNETIC PARTICLE TESTING. WELD SHALL BE BACK–GOUGED ON BACK SIDE EXCEPT AT WEB. WELD IS THE SAME ON BOTH FLANGES.
8. ⅞" ø ROUND HEAD BOLTS SHALL CONFORM TO THE CHEMICAL AND PHYSICAL REQUIREMENTS OF AASHTO M 164.

DATE	DESCRIPTION
JULY 12, 2025	ISSUED FOR CONSTRUCTION

THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

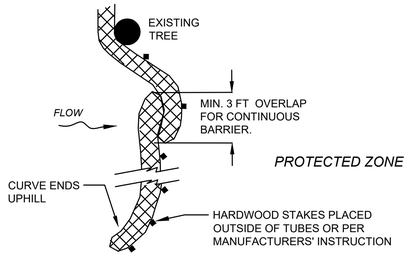
S3–TL4 BRIDGE RAILING

608616_BR38(T01024).DWG Plotted on 24-Jun-2025 10:13 AM
FINAL BRIDGE SUBMISSION - (SF) 28-MARCH-2025

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	55	67
	PROJECT FILE NO. 608616		

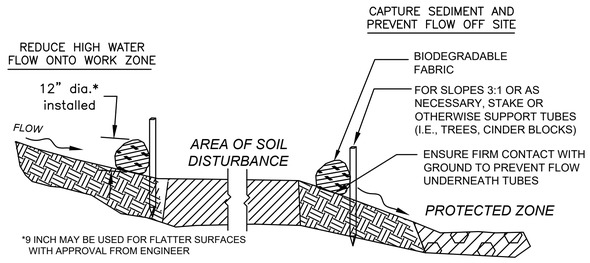
CONSTRUCTION DETAILS
(SHEET 1 OF 6)



PLACE TUBE AS CLOSE TO LIMIT OF SOIL DISTURBANCE AS POSSIBLE, ALONG CONTOURS, AND PERPENDICULAR TO FLOW.

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

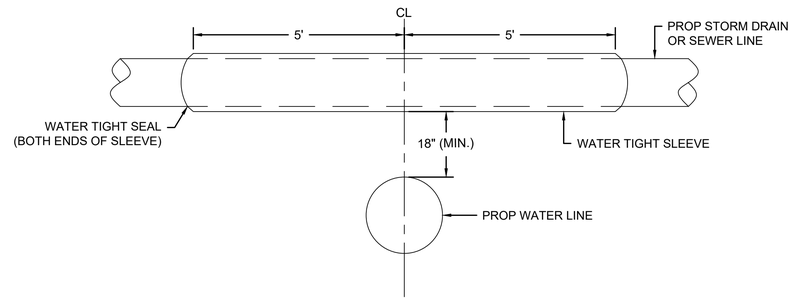
PLAN VIEW



SECTION

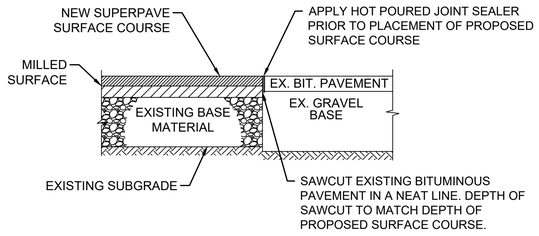
COMPOST FILTER TUBE

SCALE: NOT TO SCALE



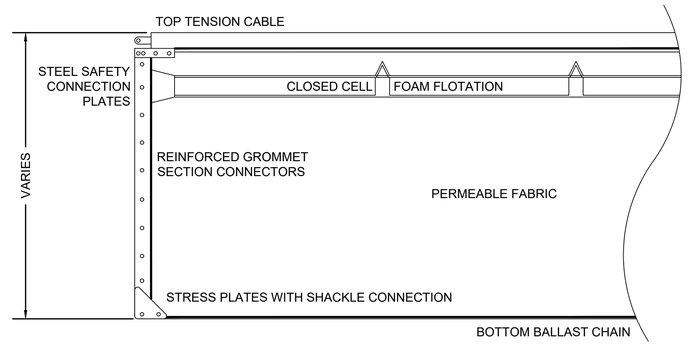
WATER LINE CROSSING BELOW DRAIN OR SEWER

SCALE: NOT TO SCALE



PAVEMENT MATCH / MILL DETAIL

SCALE: NOT TO SCALE

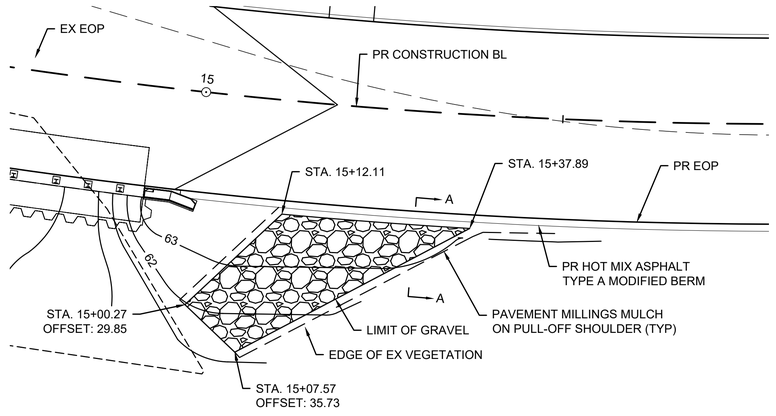


TURBIDITY BARRIER NOTES:

1. TURBIDITY BARRIER NOT TO BE USED IN MOVING WATER.
2. PROVIDE SUPPLEMENTAL ANCHOR SYSTEM AS REQUIRED TO MAINTAIN BARRIER POSITION.

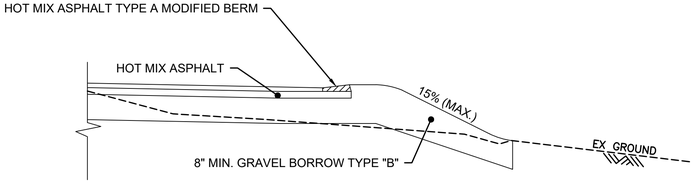
FLOATING TURBIDITY BARRIER

SCALE: NOT TO SCALE



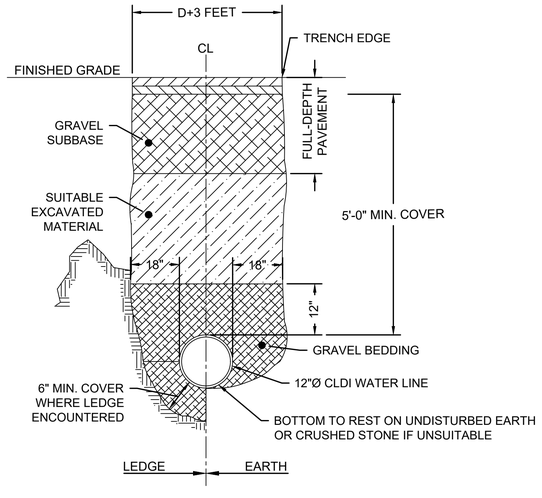
PLAN

SCALE: NOT TO SCALE



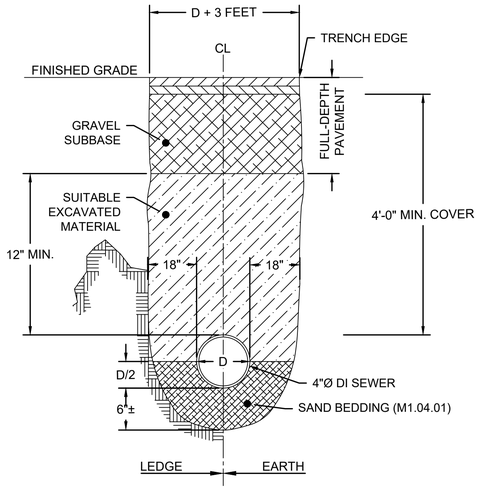
SECTION A-A

SCALE: NOT TO SCALE



TRENCH DETAIL (WATER)

SCALE: NOT TO SCALE

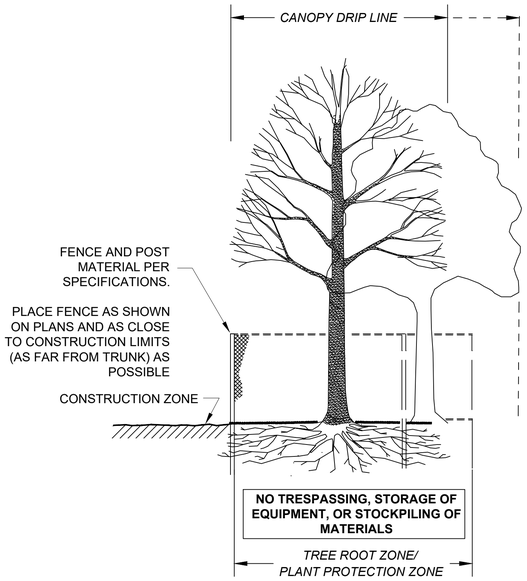


TRENCH DETAIL (SEWER)

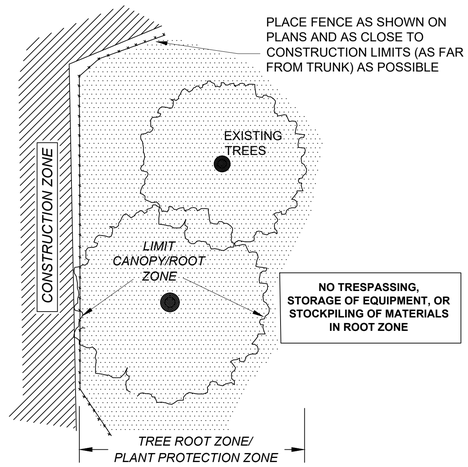
SCALE: NOT TO SCALE

GRAVEL PULL-OFF

SCALE: NOT TO SCALE



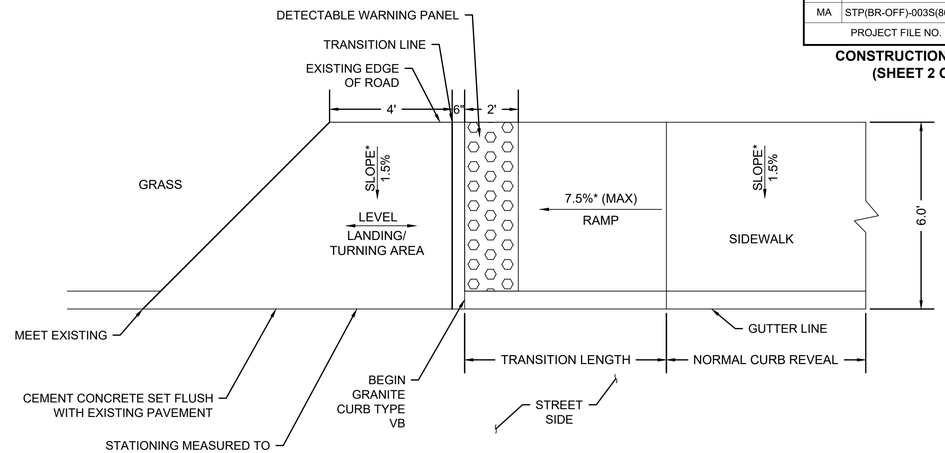
SECTION - FENCE PROTECTION OF ROOT ZONE



PLAN VIEW - FENCE PROTECTION OF ROOT ZONE

TREE PROTECTION - ROOT ZONE

SCALE: NOT TO SCALE



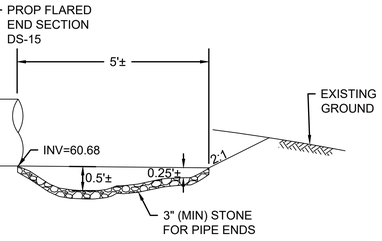
PCR NOTES

1. ROADWAY GUTTER SLOPE MEASURED MOVING UPSTATION.
2. *: CONSTRUCTION TOLERANCE OF 0.5%±.

PEDESTRIAN CURB RAMP #	RAMP REFERENCE		WIDTH OF SIDEWALK (FT)	TRANSITION RAMP LENGTH (FT)	TRANSITION CURB LENGTH (FT)	ROADWAY GUTTER SLOPE
	STATION	OFFSET				
1	10+72.5	10.0' LT	6.0	6.5	6.5	-0.75%
2	17+91.7	12.0' LT	6.0	6.5	6.5	1.17%

PEDESTRIAN CURB RAMP DETAIL

SCALE: NOT TO SCALE

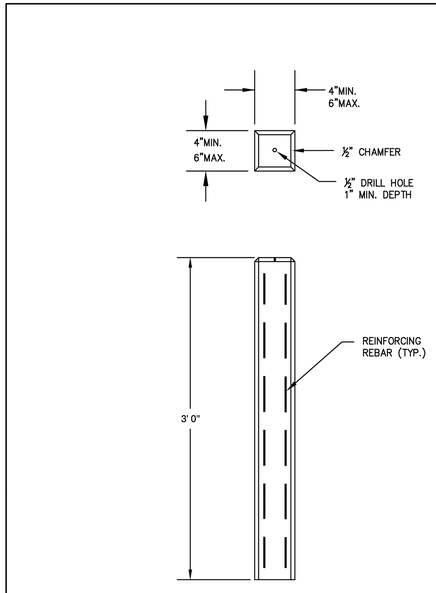


LEVEL SPREADER DETAIL

SCALE: NOT TO SCALE

CITY BOUNDS	STATION	LENGTH	OFFSET
1	10+23.75	21.69'	L
2	10+23.75	13.83'	L
3	11+31.42	27.05'	L
4	12+03.17	18.00'	R
5	12+14.25	22.66'	L
6	12+14.44	30.31'	L
7	12+15.44	18.05'	R
8	12+15.64	26.00'	R
9	15+04.17	22.00'	L
10	15+05.35	18.00'	R
11	17+50.60	14.27'	R
12	18+58.27	10.10'	R

CITY BOUNDS TABLE

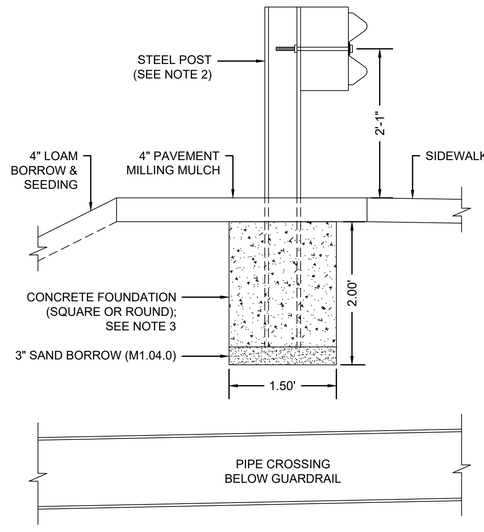


CITY OF TAUNTON DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

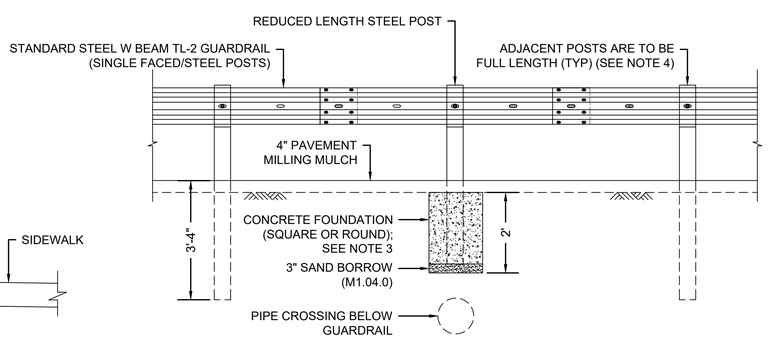
CONCRETE BOUND DETAIL
N.T.S.

DATE OF ISSUE
AUGUST 16, 2024

DRAWING NUMBER
TDPW 3.30



SIDE ELEVATION
SCALE: NOT TO SCALE



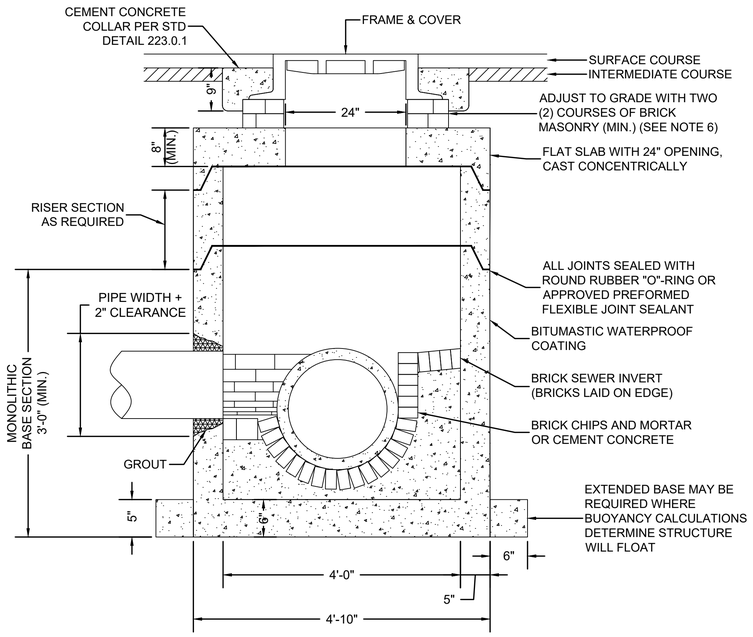
FRONT ELEVATION
SCALE: NOT TO SCALE

MODIFIED GUARDRAIL AT UTILITY CROSSING

SCALE: NOT TO SCALE

MODIFIED GUARDRAIL NOTES:

1. WHEN THE CONSTRUCTION OF GUARDRAIL AT THE REQUIRED POST SPACING RESULTS IN POST(S) CONFLICTING WITH UNDERGROUND UTILITIES OR OTHER UNDERGROUND OBSTRUCTIONS, AN ENCASED POST MAY BE USED WHERE A 2'-0" DEPTH WILL AVOID THE CONFLICT. INSTALL WHERE SHOWN IN THE PLANS AND/OR AS NEEDED.
2. USE A STANDARD POST WITH REDUCED LENGTH, SUCH THAT THE PANEL HEIGHT IS MAINTAINED WHILE THE POST BOTTOM TERMINATES AT THE BOTTOM OF THE CONCRETE FOUNDATION AT THE TOP OF THE 3" (MIN) SAND BORROW.
3. CONCRETE FOUNDATION SHALL BE 3500 PSI CEMENT CONCRETE (M4.02.00). AFTER CASTING THE CONCRETE, ENSURE THE SURROUNDING SOIL MATERIAL IS COMPLETELY BACKFILLED AND TAMPED TO PROVIDE FULL PASSIVE RESISTANCE.
4. ENCASED POSTS ARE NOT PERMITTED FOR CONSECUTIVE POSTS UNLESS OTHERWISE SHOWN ON THE PLANS.
5. NOT ALL DETAILS/DIMENSIONS SHOWN FOR CLARITY. SEE CONSTRUCTION STANDARD DETAIL 628.24.1 FOR BOLT AND POST INFORMATION.

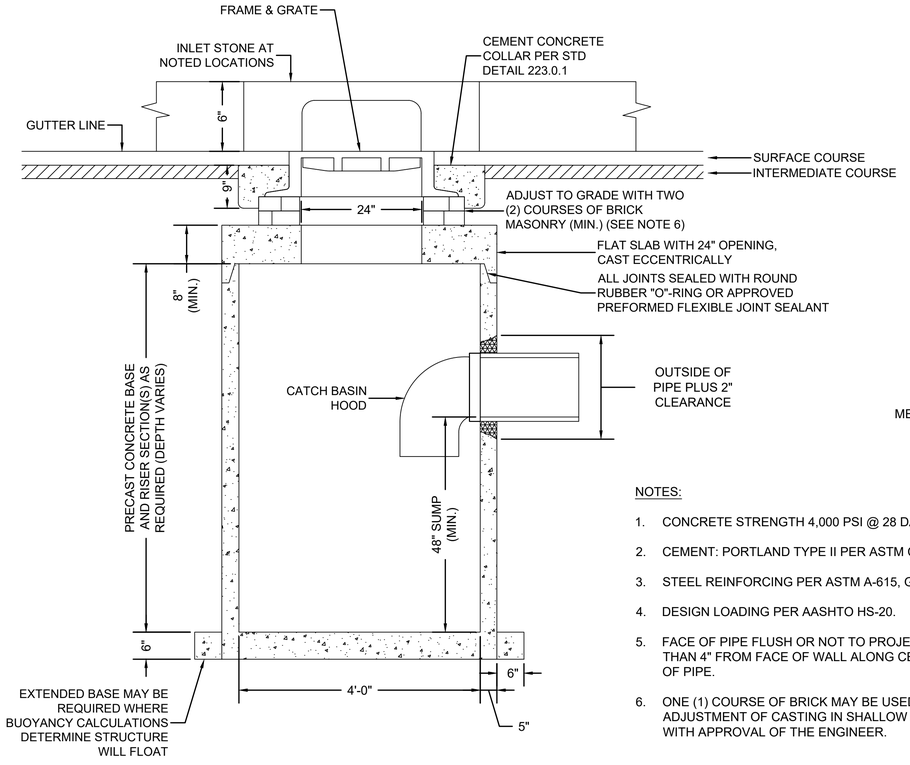


NOTES:

1. CONCRETE STRENGTH 4,000 PSI @ 28 DAYS.
2. CEMENT: PORTLAND TYPE II PER ASTM C150.
3. STEEL REINFORCING PER ASTM A-615, GRADE 60.
4. DESIGN LOADING PER AASHTO HS-20.
5. WHERE INVERT IS LESS THAN FIVE (5) FEET BELOW GRADE, A FLAT SLAB WITH A 24" OPENING, CAST CONCENTRICALLY, IS REQUIRED.
6. ONE (1) COURSE OF BRICKS MAY BE USED FOR ADJUSTMENT OF CASTING IN SHALLOW LOCATIONS WITH APPROVAL OF THE ENGINEER.

MUNICIPAL PRECAST CONCRETE DRAIN MANHOLE

SCALE: NOT TO SCALE

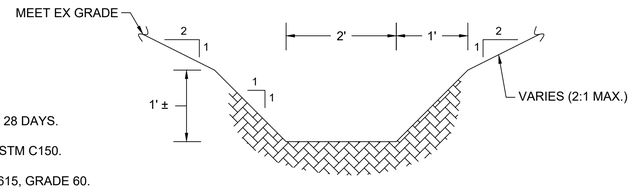


NOTES:

1. CONCRETE STRENGTH 4,000 PSI @ 28 DAYS.
2. CEMENT: PORTLAND TYPE II PER ASTM C150.
3. STEEL REINFORCING PER ASTM A-615, GRADE 60.
4. DESIGN LOADING PER AASHTO HS-20.
5. FACE OF PIPE FLUSH OR NOT TO PROJECT MORE THAN 4" FROM FACE OF WALL ALONG CENTERLINE OF PIPE.
6. ONE (1) COURSE OF BRICK MAY BE USED FOR ADJUSTMENT OF CASTING IN SHALLOW LOCATIONS WITH APPROVAL OF THE ENGINEER.

MUNICIPAL PRECAST CONCRETE CATCH BASIN

SCALE: NOT TO SCALE

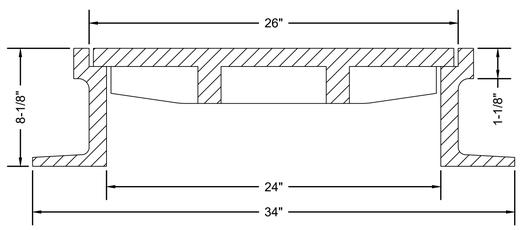


VEGETATED SWALE DETAIL

SCALE: NOT TO SCALE

NOTES:

1. FINISH SWALE WITH 4" OF LOAM BORROW AND SEED (M6.03.0).
2. INSTALL 5 FEET OF STONE FOR DRAINGE END PER STANDARD DETAIL E206.7.0.

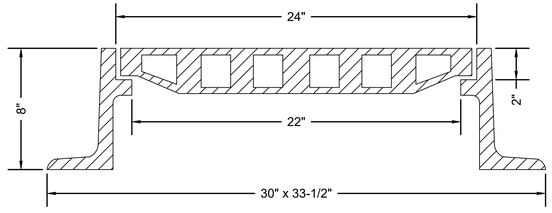


NOTES:

1. FRAME AND COVER SHALL BE PER THE SPECIFICATIONS.
2. EACH COVER SHALL READ **SEWER** OR **DRAIN** IN 3" LETTERING ACCORDING TO USE.
3. FRAME AND COVER SHALL BE SET IN FULL BED OF MORTAR ON A MINIMUM OF TWO COURSES OF BRICK. SEE NOTE 6 ABOVE.

SEWER/DRAIN MANHOLE FRAME & COVER

SCALE: NOT TO SCALE



NOTES:

1. FRAME AND GRATE SHALL BE PER THE SPECIFICATIONS AND SHALL BE BICYCLE SAFE.
2. FOR USE WHEN THE GUTTER GRADE IS LESS THAN OR EQUAL TO 3.00%.
3. FRAME AND COVER SHALL BE SET IN FULL BED OF MORTAR ON A MINIMUM OF TWO COURSES OF BRICK. SEE NOTE 6 ABOVE.

CATCH BASIN FRAME & GRATE

SCALE: NOT TO SCALE

MUNICIPAL FRAME & GRATE/COVER DETAILS

SCALE: NOT TO SCALE

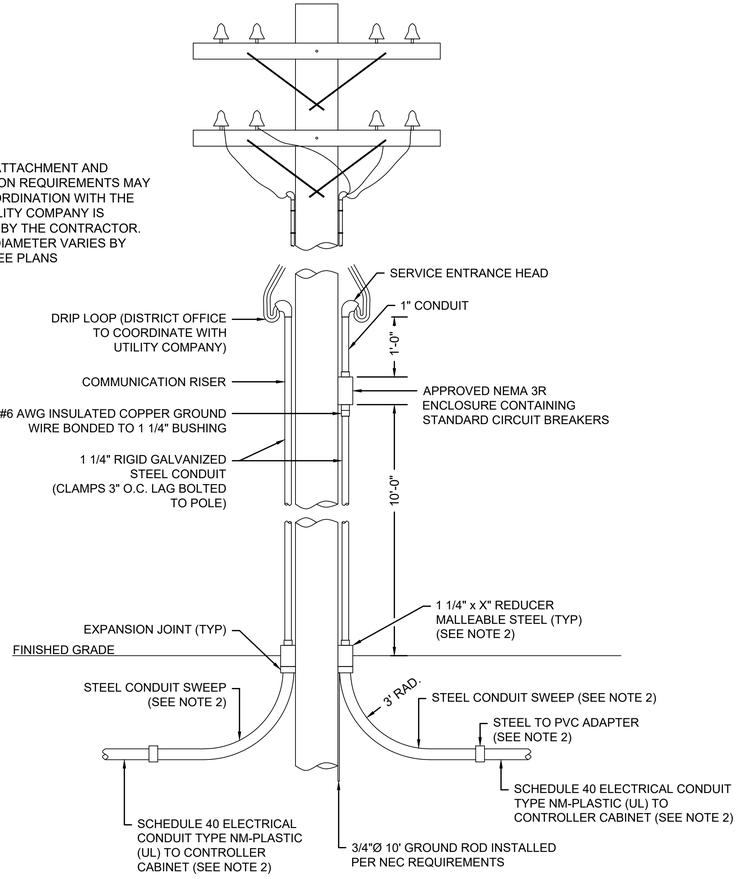
TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	58	67
	PROJECT FILE NO. 608616		

CONSTRUCTION DETAILS
(SHEET 4 OF 6)

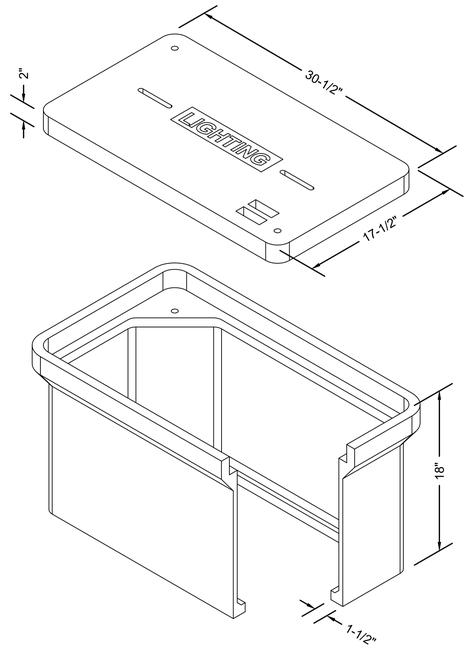
NOTES:

1. SPECIFIC ATTACHMENT AND CONNECTION REQUIREMENTS MAY VARY. COORDINATION WITH THE LOCAL UTILITY COMPANY IS REQUIRED BY THE CONTRACTOR.
2. CONDUIT DIAMETER VARIES BY UTILITY. SEE PLANS

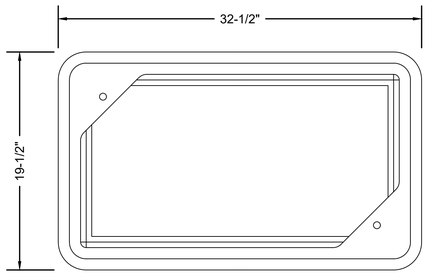


UNDERGROUND TO OVERHEAD LIGHT SERVICE CONNECTION AND DISCONNECT SWITCH (STA 17+70 LT)

SCALE: NOT TO SCALE



ISOMETRIC

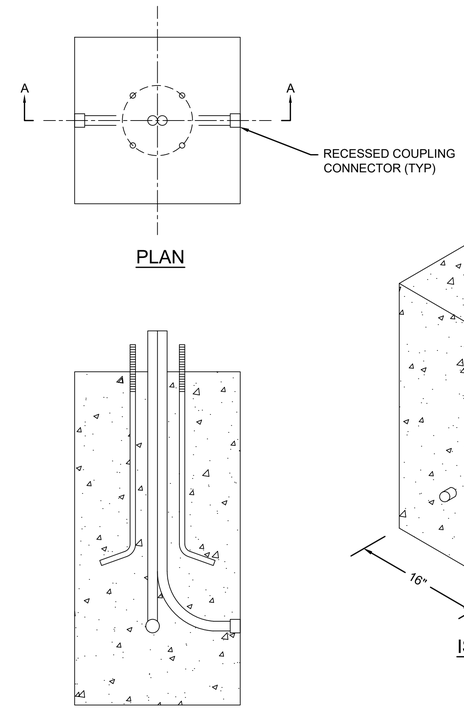


PLAN

PHA173018 X E00 1 (18" DEPTH, TIER 22, ELECTRIC, 3/8"Ø PENTA BOLT HARDWARE, 20,000 LB RATING)	
DIMENSIONS	
TOP	32-1/2" L x 19-1/2" W x 18" H
BOTTOM	29-1/2" L x 16-1/2" W x 18" H
OPENING	28-5/8" L x 15-5/8" W
COVER	30-1/2" L x 17-1/2" W

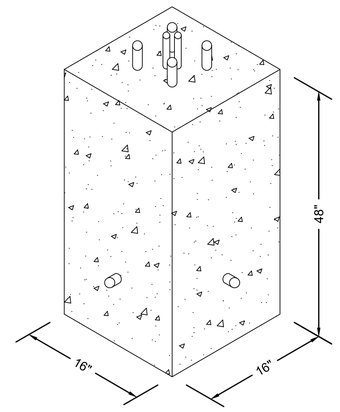
ELECTRIC HANDHOLE

SCALE: NOT TO SCALE



PLAN

SECTION "A-A"



ISOMETRIC

NOTES:

1. CONCRETE: 5000 PSI MIN. AFTER 28 DAYS.
2. ANCHOR BOLTS AND BOLT PATTERN SUPPLIED BY TMLP.

STREET LIGHT FOUNDATION

SCALE: NOT TO SCALE

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	59	67
PROJECT FILE NO.	608616		

CONSTRUCTION DETAILS
(SHEET 5 OF 6)

GENERAL NOTES:

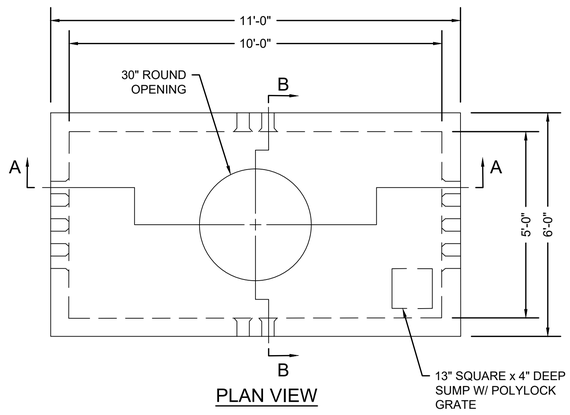
1. INSTALLATION OF MANHOLES, VAULTS, HANDHOLES, METER BOXES, ETC. WILL BE AS PER MANUFACTURER'S INSTALLATION PROCEDURES.
2. STRUCTURAL MODIFICATION TO THE PRECAST UNIT IS NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE MANUFACTURER.
3. DO NOT SCALE THE DRAWINGS, VERIFY ALL DIMENSIONS INCLUDING ROUGH OPENINGS, IF ANY DISCREPANCIES ARE FOUND, NOTIFY THE MANUFACTURER.
4. THE MANUFACTURER WILL INTERPRET THE INTENT OF THE DRAWINGS IN CASE OF POSSIBLE CONFLICT OR DISCREPANCY.

STRUCTURAL NOTES:

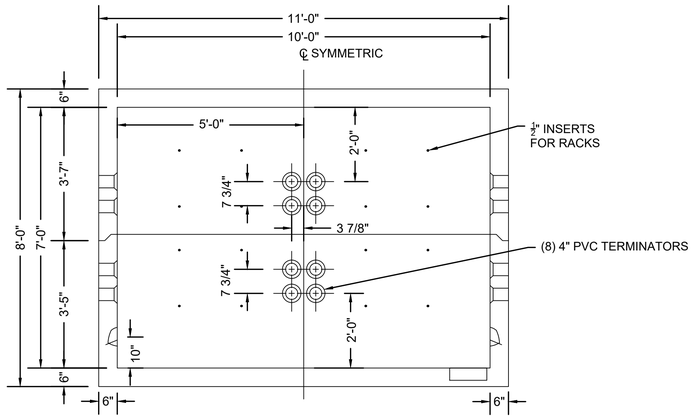
- CONCRETE 5,000 PSI COMPRESSIVE STRENGTH
- REINFORCEMENT: ASTM A615, GRADE 60
- DESIGN LOAD: AASHTO HS20-44 LOAD
- MINIMUM STEEL COVER OF 1"

INSTALLATION NOTES:

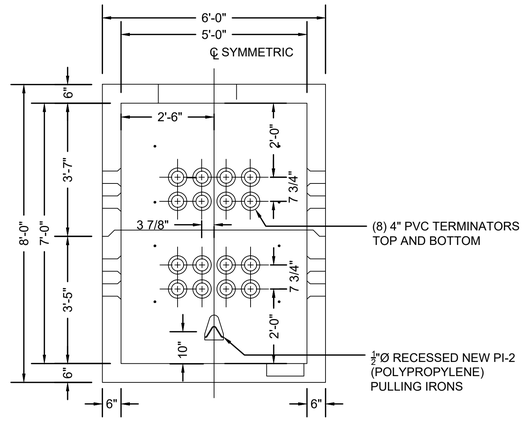
- ELECTRIC MANHOLES AND VAULTS TO BE PLACED ON A 12" (MIN) BASE OF GRAVEL BORROW.



PLAN VIEW



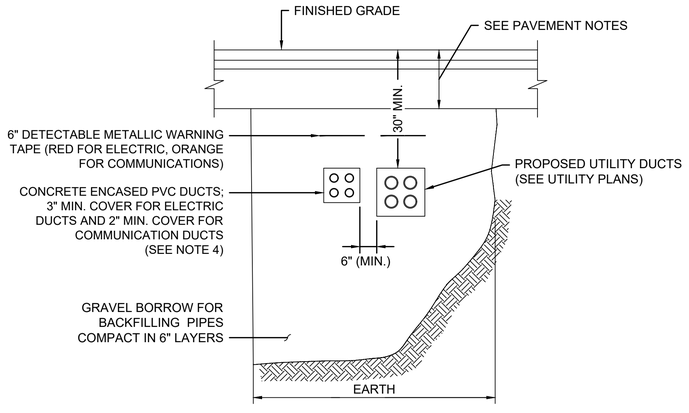
SECTION A-A
OPPOSITE WALLS ARE MIRROR IMAGES



SECTION B-B
OPPOSITE WALLS ARE MIRROR IMAGES

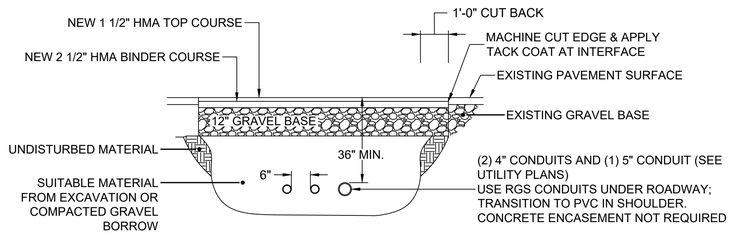
5'-0" X 10'-0" X 7'-0" ELECTRIC VAULT
MH-5107 OR APPROVED EQUAL

SCALE: NOT TO SCALE



STANDARD TRENCH DETAIL
(ELECTRIC & COMMUNICATIONS)

SCALE: NOT TO SCALE



NOTES:

1. TYPICAL FOR ALL TEMPORARY TRENCHES.

TEMPORARY TRENCH DETAIL
(ELECTRIC & COMMUNICATIONS)

SCALE: NOT TO SCALE

UTILITY TRENCH NOTES (ELECTRIC & COMMUNICATIONS):

1. FOR PERMANENT PATCH IN ROADWAY AREAS WITH MILL & OVERLAY USE HMA FOR PATCHING.
2. FOR TEMPORARY PATCH IN ROADWAY AREAS WITH FULL DEPTH PAVEMENT USE 3 INCHES TEMPORARY ASPHALT PATCH.
3. ALL CONSTRUCTION DUCT BANKS INCLUDING TRENCH, EXCAVATION, AND BACKFILL SHALL CONFORM TO UTILITY DETAILS AND SPECIFICATIONS.
4. FOR ALL DUCTS USE SCHEDULE 40 PVC CONDUITS ENCASED IN 2500 PSI, 3/8 INCH, 520 CEMENT CONCRETE UNLESS NOTED OTHERWISE. USE PLASTIC SPACERS TO MAINTAIN CONDUIT SPACING. SPACERS SHALL MEET UTILITY REQUIREMENTS FOR DESIGN AND SPACING.
5. TRENCH EXCAVATION ACTIVITIES SHALL COMPLY WITH ALL APPROPRIATE OSHA STANDARDS.
6. EACH DUCT BANK SHALL HAVE ASSOCIATED WARNING TAPE INSTALLED. ELECTRIC DUCT BANKS WILL HAVE 6 INCH, COLOR RED, DETECTABLE METALLIC WARNING TAPE PLACED 12 INCHES ABOVE CONCRETE ENCASEMENT. COMMUNICATION DUCT BANKS WILL HAVE 6 INCH, COLOR ORANGE, DETECTABLE METALLIC WARNING TAPE PLACED 12 INCHES ABOVE EACH CONCRETE ENCASEMENT.
7. A UTILITY COMPANY REPRESENTATIVE FROM TMLP SHALL BE PRESENT FOR ALL ELECTRICAL CONDUIT INSTALLED.
8. A UTILITY COMPANY REPRESENTATIVE FROM VERIZON SHALL BE PRESENT FOR ALL TELEPHONE CONDUIT INSTALLED.
9. A UTILITY COMPANY REPRESENTATIVE FROM COMCAST SHALL BE PRESENT FOR ALL CATV CONDUIT INSTALLED.
10. A MINIMUM OF 12 INCHES OF SEPARATION IS REQUIRED FOR CROSSINGS WITH GAS, WATER, SEWER, AND DRAINAGE.
11. CONDUITS SHALL BE BLOWN CLEAN USING COMPRESSED AIR. RUN MANDREL THROUGH EACH CONDUIT TO CONFIRM VIABLE PATHWAY.
12. WOVEN POLYESTER MULE TAPE WITH MINIMUM OF 2500 LB TENSILE STRENGTH SHALL BE INSTALLED WITHIN EACH CONDUIT.

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	60	67
PROJECT FILE NO.	608616		

CONSTRUCTION DETAILS
(SHEET 6 OF 6)

GENERAL NOTES FROM MANUFACTURER:

1. MINIMUM SOIL BEARING CAPACITY IS HEREBY ASSUMED TO BE 2000 PSF UNLESS OTHERWISE DOCUMENTED BY A GEOTECHNICAL REPORT THAT SHALL BE PROVIDED TO THE MANUFACTURER.
2. INSTALLATION OF MANHOLES, VAULTS, HANDHOLES, METER BOXES, ETC. WILL BE AS PER MANUFACTURER'S INSTALLATION PROCEDURES.
3. STRUCTURAL MODIFICATION TO THE PRECAST UNIT IS NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE MANUFACTURER.
4. DO NOT SCALE THE DRAWINGS, VERIFY ALL DIMENSIONS INCLUDING ROUGH OPENINGS, IF ANY DISCREPANCIES ARE FOUND, NOTIFY THE MANUFACTURER.
5. THE MANUFACTURER WILL INTERPRET THE INTENT OF THE DRAWINGS IN CASE OF POSSIBLE CONFLICT OR DISCREPANCY.
6. PERMISSIBLE VARIATIONS:
   DIMENSIONAL TOLERANCES - THE LENGTH, WIDTH, HEIGHT, OR DIA. MEASUREMENTS OF THE STRUCTURE WHEN MEASURED ON THE INSIDE SURFACES SHALL NOT DEVIATE FROM DESIGN DIMENSIONS BY MORE THAN THE FOLLOWING:

DIMENSIONS:	TOLERANCE:
0 TO 5 FEET	1/4"
5 TO 10 FEET	3/8"
10 TO 20 FEET	AS AGREED UPON BETWEEN THE SUPPLIER AND PURCHASER.

7. SQUARENESS TOLERANCE:
   THE INSIDE OF THE PRECAST CONCRETE COMPONENT SHALL BE SQUARE AS DETERMINED BY DIAGONAL MEASUREMENTS. THE DIFFERENCE BETWEEN SUCH MEASUREMENTS SHALL NOT EXCEED THE FOLLOWING:

MEASURED LENGTH:	ALLOWABLE DIFFERENCE:
0 TO 10 FEET	1/2"
10 TO 20 FEET	3/4"
20 FEET AND OVER	AS AGREED UPON BETWEEN THE SUPPLIER AND PURCHASER.

B.O.M. FOR UNIT SHOWN:

1. PB2436F-B30-05, 30" BOTTOM SECTION. WT. 1,115 LBS.
2. PB2436-T6F, 6" TOP SECTION W/ CAST IN (F2436-PB-ANG) GALV. ANGLE FRAME. WT. 259 LBS.
3A. SC2436-PSRAL, ONE PIECE SLIP RESISTANT PARKWAY COVER W/ RED PRIMER, ALUMINUM FINISH, MARKED "VERIZON".
3B. SC2436-TSRAL, ONE PIECE SLIP RESISTANT TRAFFIC COVER W/ RED PRIMER, ALUMINUM FINISH, MARKED "VERIZON".
5. 6" x 7" DIA. SUMP x 4" DEEP. BOTTOM SECTION (1).
6. 20" x 20" KNOCKOUT x 3" DEEP. BOTTOM SECTION (2).
7. 8" x 16" KNOCKOUT x 3" DEEP. BOTTOM SECTION (4).
8. 1" DIA. BLIND THRU GROUND ROD HOLE. BOTTOM SECTION (2).
9. 7/8" DIA. PULL IRON. BOTTOM SECTION (2).
10. ✪ 1/2" P-35-T INSERT W/ CLEAN-OUT HOLE. TOP SECTION (2) FRAME MTD.
11. ◉ 1/2" PLASTIC INSERT. BOTTOM SECTION (16).

NOTE TO CONTRACTOR:

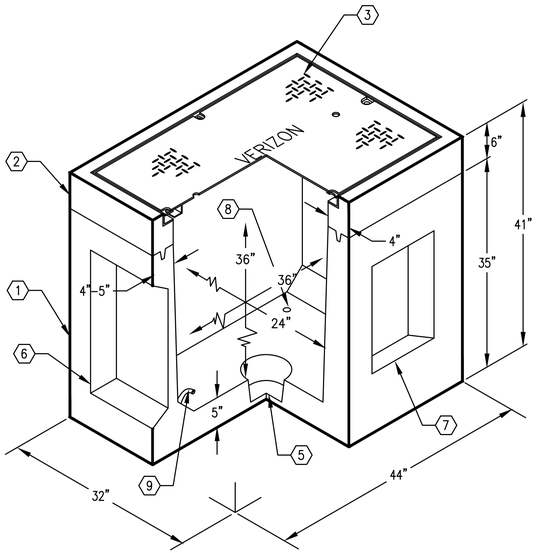
VERIZON AND COMCAST SERVICES WILL UTILIZE THE SAME HANDHOLES WITHIN THE CONTRACT LIMITS.

ADDITIONAL NOTES:

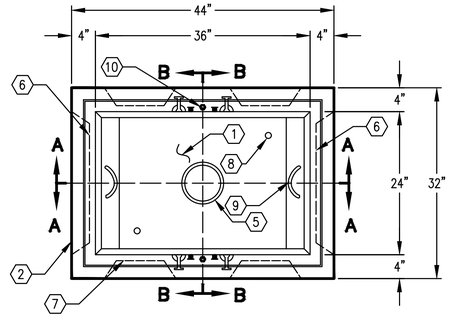
- CONCRETE IS DESIGNED FOR H-20-44 BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI A-706 REINFORCING STEEL.
- COVER DESIGNED FOR PARKWAY LOADING 200 PSF OR TRAFFIC H-20 LOADING.
- VAULT TO BE PLACED ON A 6" (MIN) BASE OF CRUSHER RUN STONE FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.

RACKING PACKAGE:
- 14 HOLE CABLE RACKS W/ BOLTS = 4.

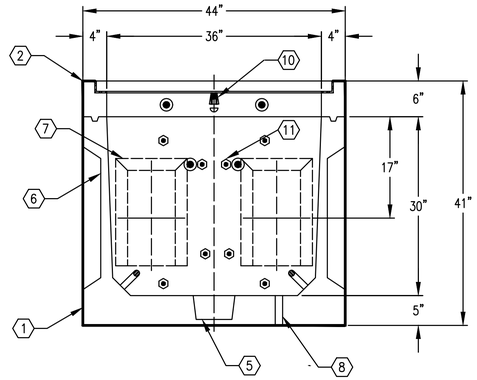
ORDERING INFORMATION:
- PER VERIZON SPECIFICATIONS.
- TOTAL WEIGHT FOR ASSEMBLY AS SHOWN 1,521 LBS.



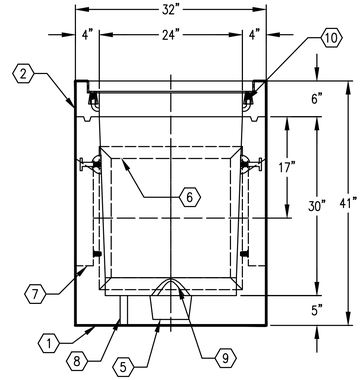
ISOMETRIC



PLAN VIEW



SECTION A-A



SECTION B-B

MINIMUM EXCAVATION SIZE:
3'-2" x 4'-8" x DEPTH REQ'D.

2'-0" X 3'-0" VERIZON / COMCAST HANDHOLE
K2436-FP36-13P (PARKWAY ASSEMBLY WITH STEEL B/D COVER) OR APPROVED EQUAL

SCALE: NOT TO SCALE

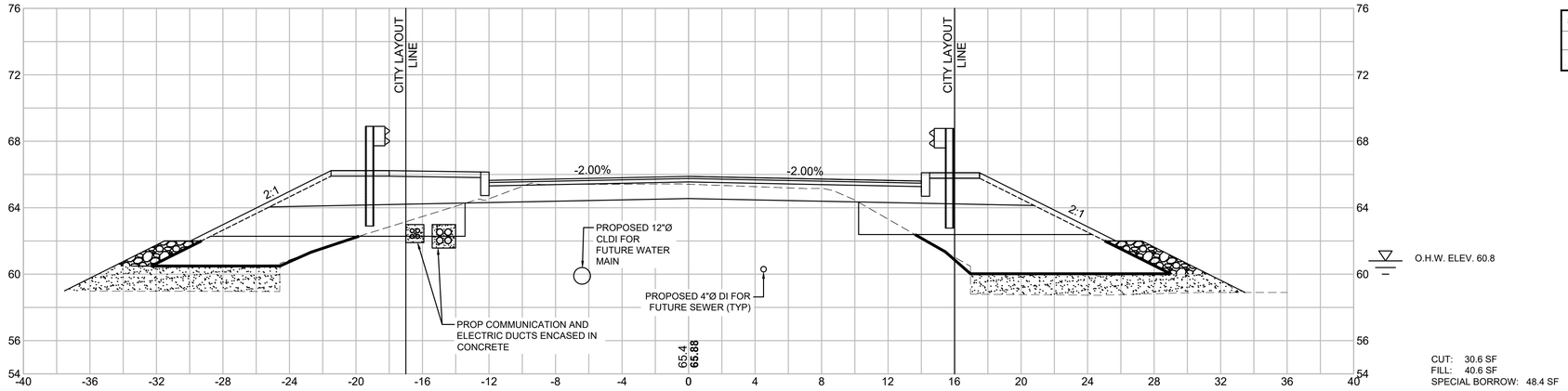
TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	61	67
PROJECT FILE NO.	608616		

CROSS SECTIONS
(SHEET 1 OF 7)

608616_HDZ7-31 - SECTIONS.DWG Plotted on 18-Jun-2025 9:29 AM

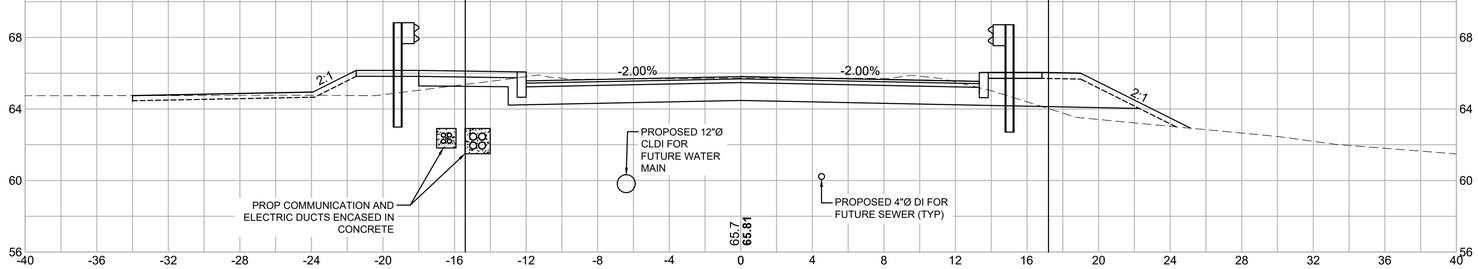
12+00



CUT: 30.6 SF
FILL: 40.6 SF
SPECIAL BORROW: 48.4 SF

REMOVE EX UP#70 11+55

11+50



CUT: 38.3 SF
FILL: 10.3 SF

PR UP 10+91

PR UP 11+26

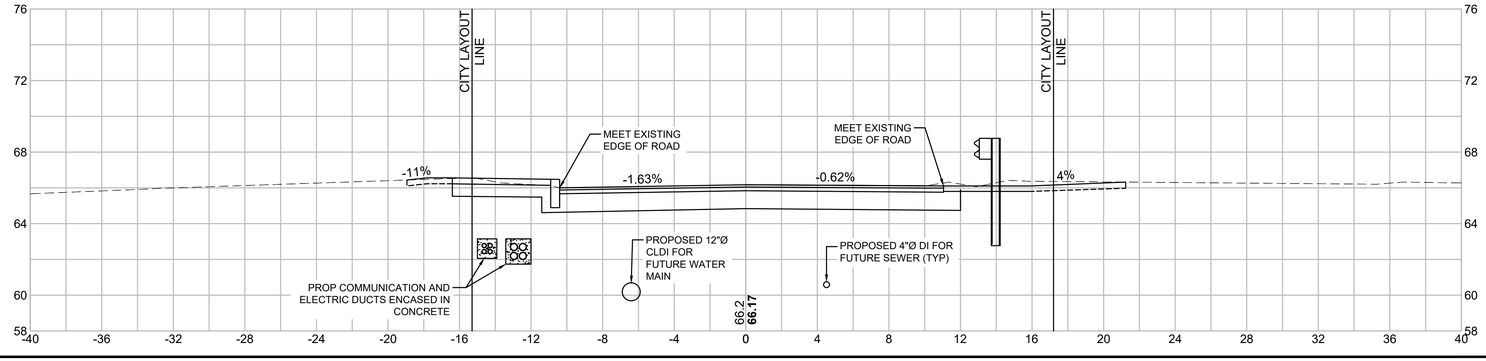
R&R UP#69 10+56

24" DIAM. 11+25.35

50" DIAM. 10+98.52

15" DIAM. 11+20.90

11+00



CUT: 36.2 SF
FILL: 0.0 SF

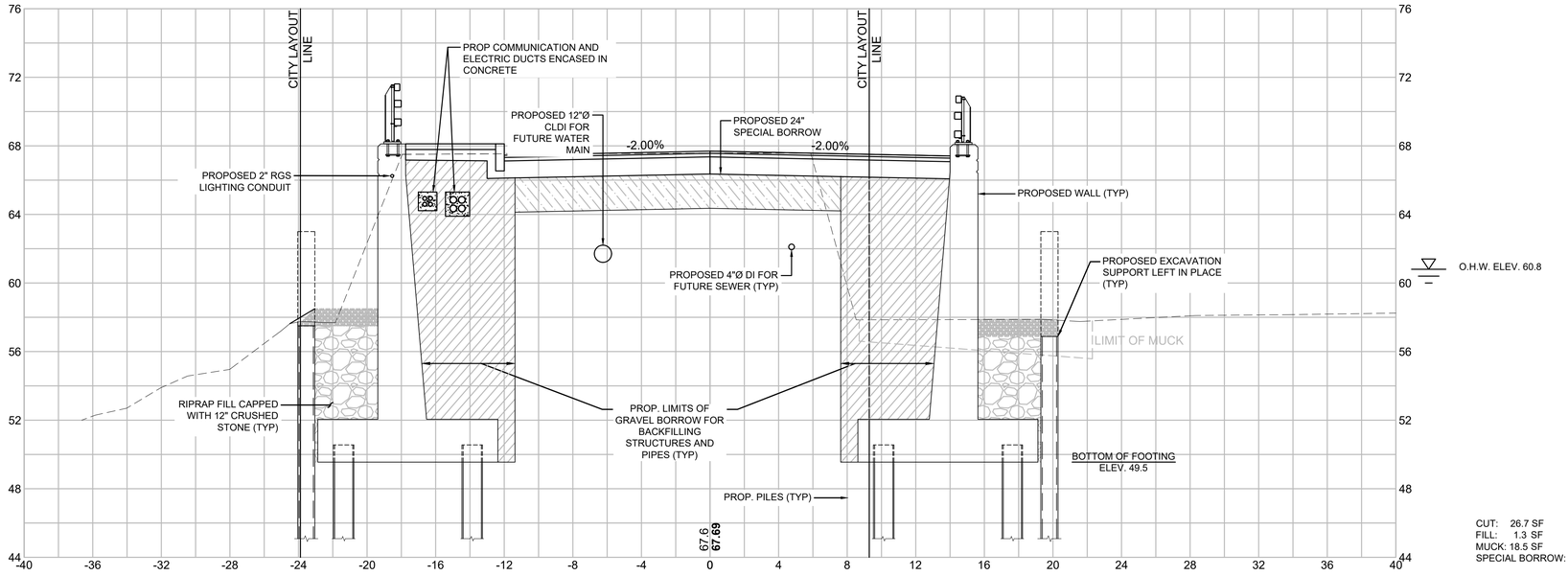
TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	62	67
PROJECT FILE NO.	608616		

CROSS SECTIONS
(SHEET 2 OF 7)

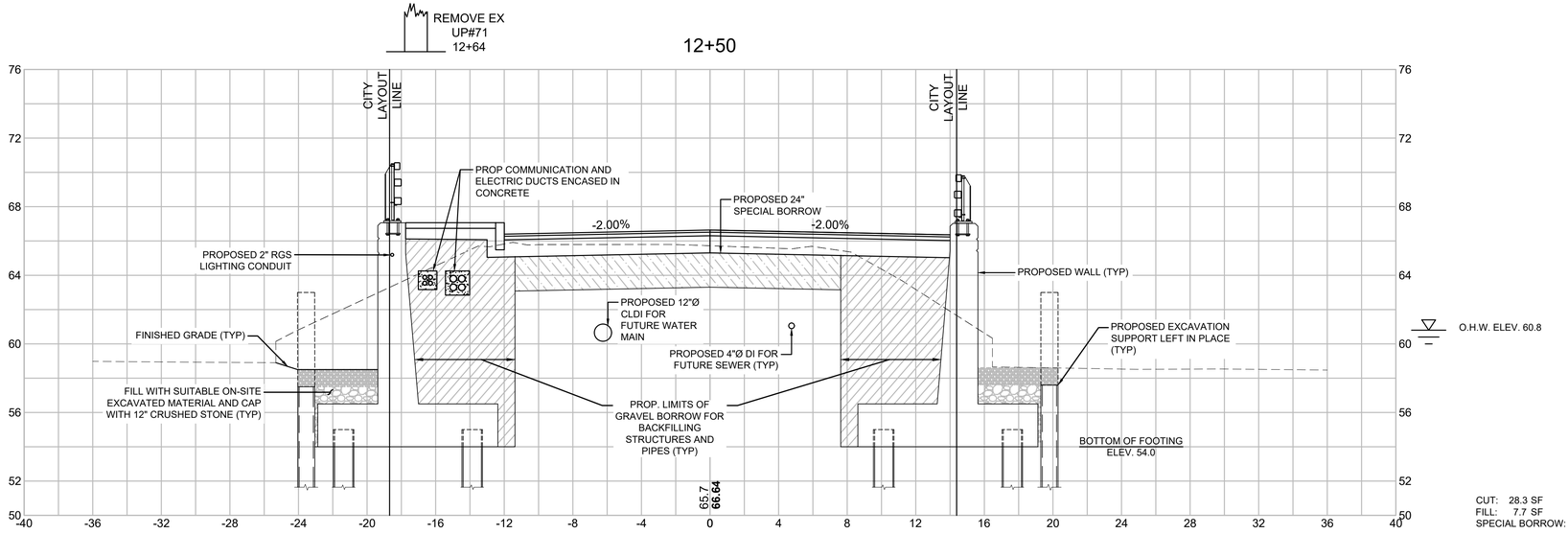
608616_HDZ7-31 - SECTIONS.DWG Plotted on 18-Jun-2025 9:29 AM

13+00



CUT: 26.7 SF
FILL: 1.3 SF
MUCK: 18.5 SF
SPECIAL BORROW: 38.0 SF

12+50



CUT: 28.3 SF
FILL: 7.7 SF
SPECIAL BORROW: 38.0 SF

TAUNTON
SCADDING STREET

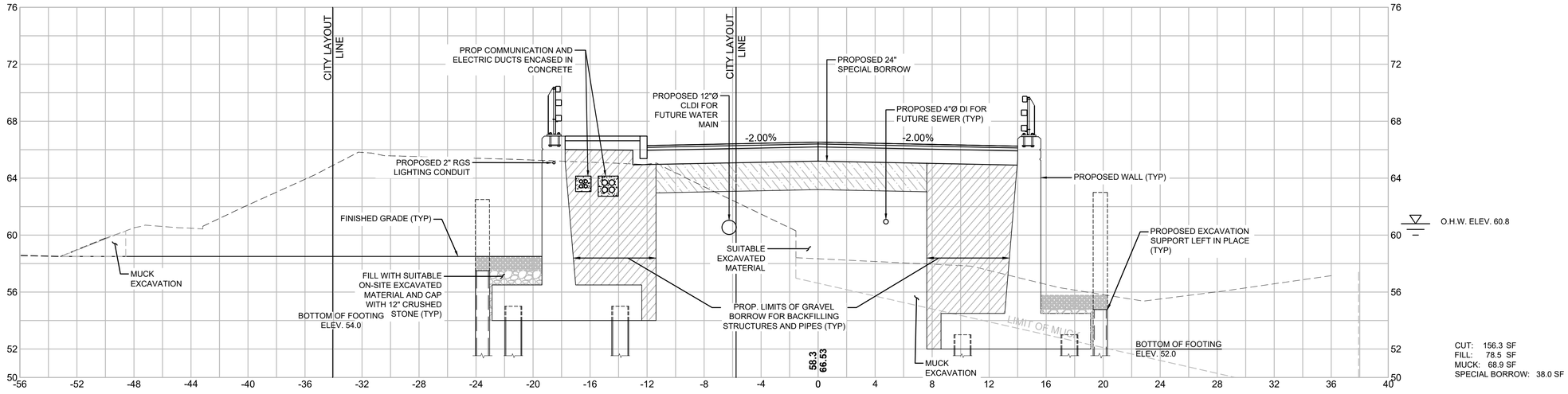
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	63	67
PROJECT FILE NO.	608616		

CROSS SECTIONS
(SHEET 3 OF 7)

608616_HD27-31 - SECTIONS.DWG Plotted on 18-Jun-2025 9:28 AM

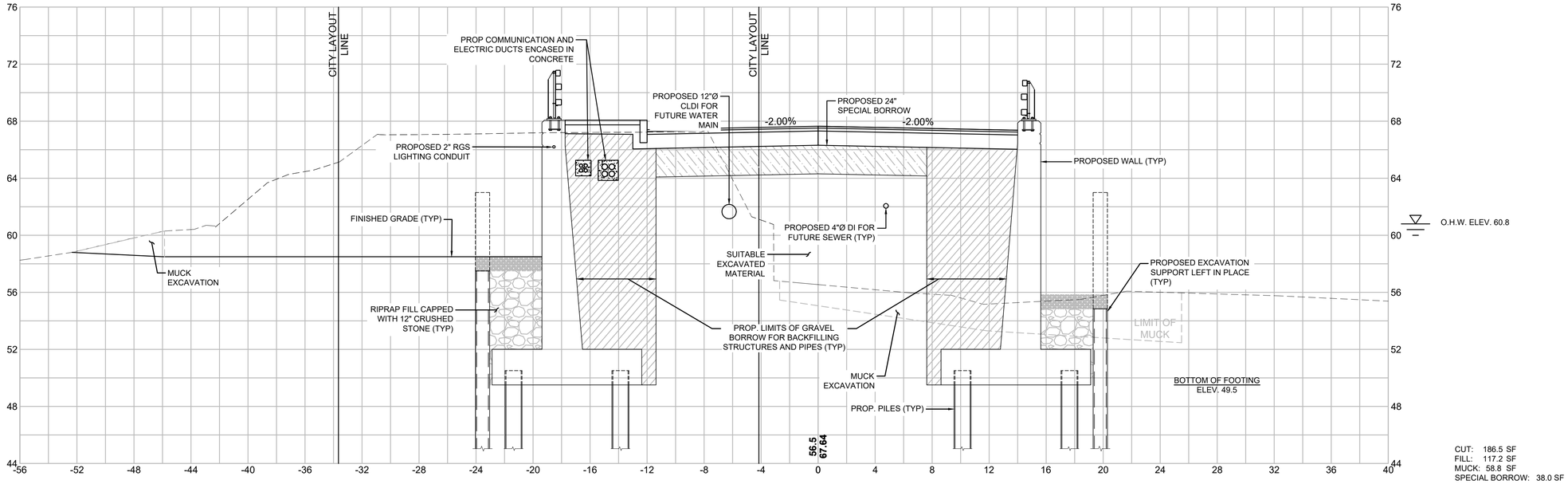
REMOVE EX UP#72 14+05

14+00



CUT: 156.3 SF
FILL: 78.5 SF
MUCK: 68.9 SF
SPECIAL BORROW: 38.0 SF

13+50



CUT: 186.5 SF
FILL: 117.2 SF
MUCK: 58.8 SF
SPECIAL BORROW: 38.0 SF

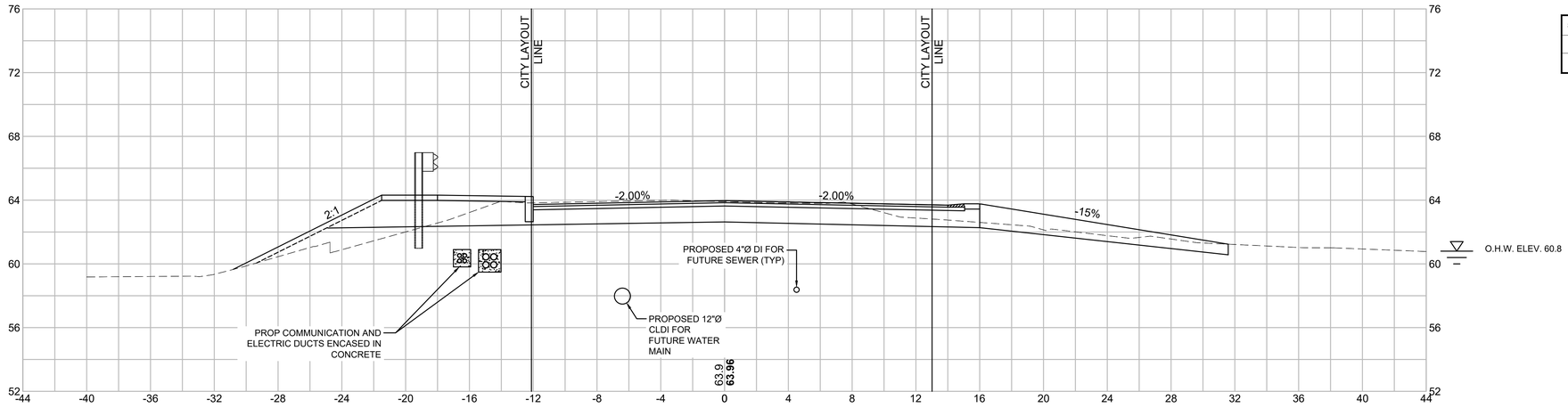
TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	64	67
PROJECT FILE NO.	608616		

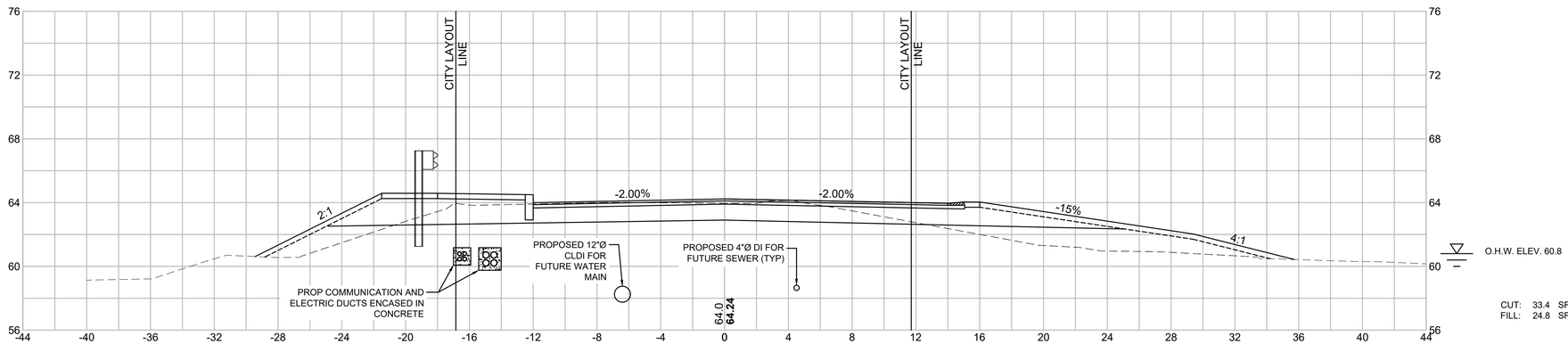
CROSS SECTIONS
(SHEET 4 OF 7)

608616_HD27-31 - SECTIONS.DWG Plotted on 18-Jun-2025 9:30 AM

15+22

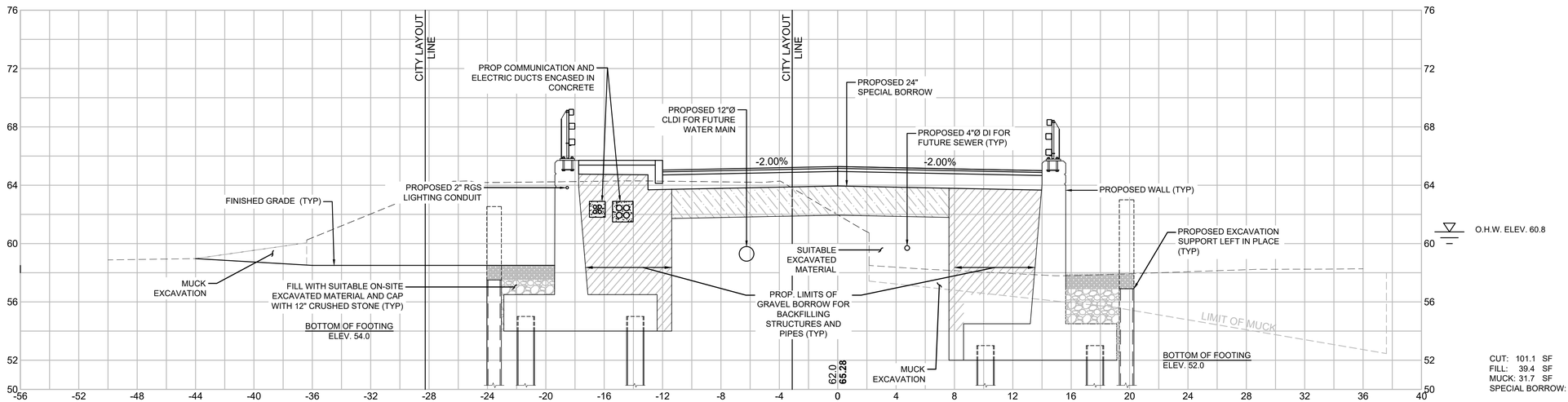


15+00



CUT: 33.4 SF
FILL: 24.8 SF

14+50



CUT: 101.1 SF
FILL: 39.4 SF
MUCK: 31.7 SF
SPECIAL BORROW: 38.0 SF

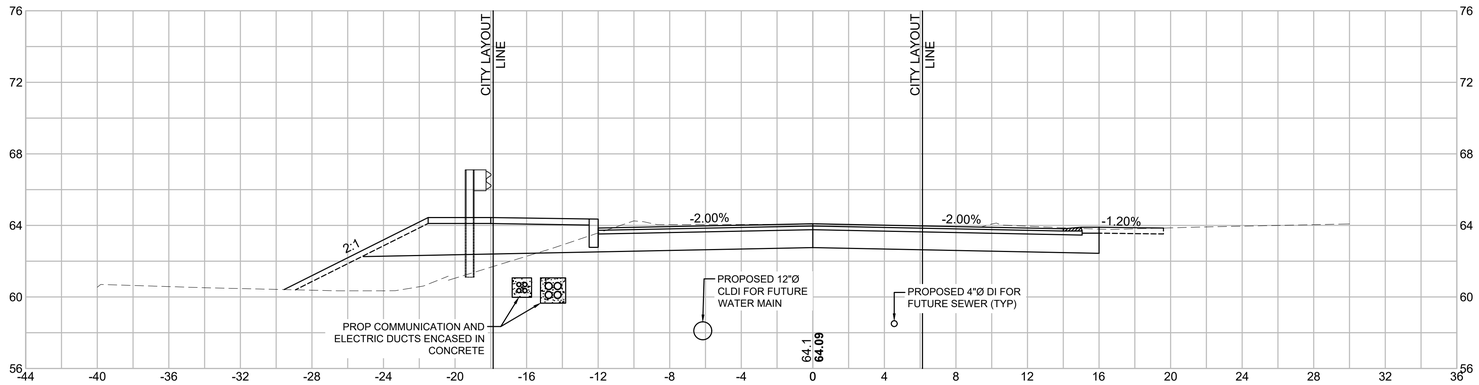
TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	65	67
	PROJECT FILE NO. 608616		

CROSS SECTIONS
(SHEET 5 OF 7)

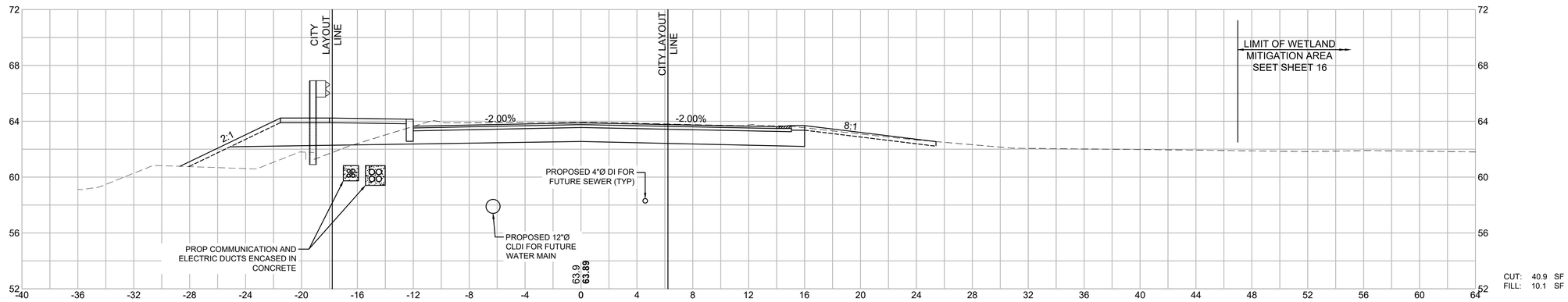
608616_HD27-31 - SECTIONS.DWG Plotted on 18-Jun-2025 9:30 AM

16+50



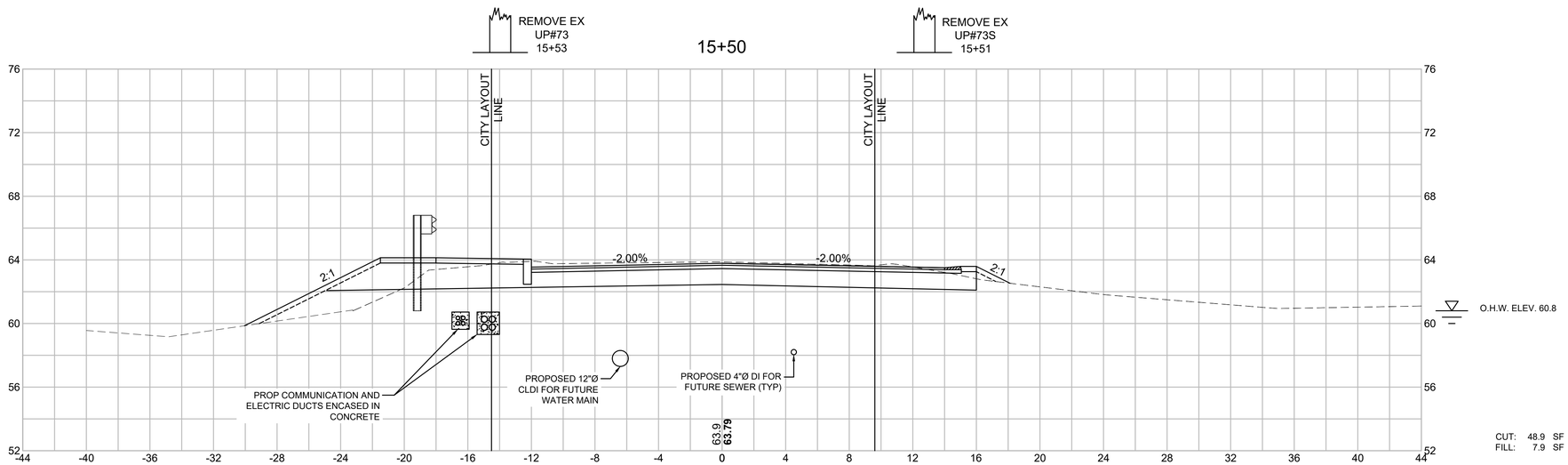
CUT: 40.8 SF
FILL: 15.3 SF

16+00



CUT: 40.9 SF
FILL: 10.1 SF

15+50



CUT: 48.9 SF
FILL: 7.9 SF

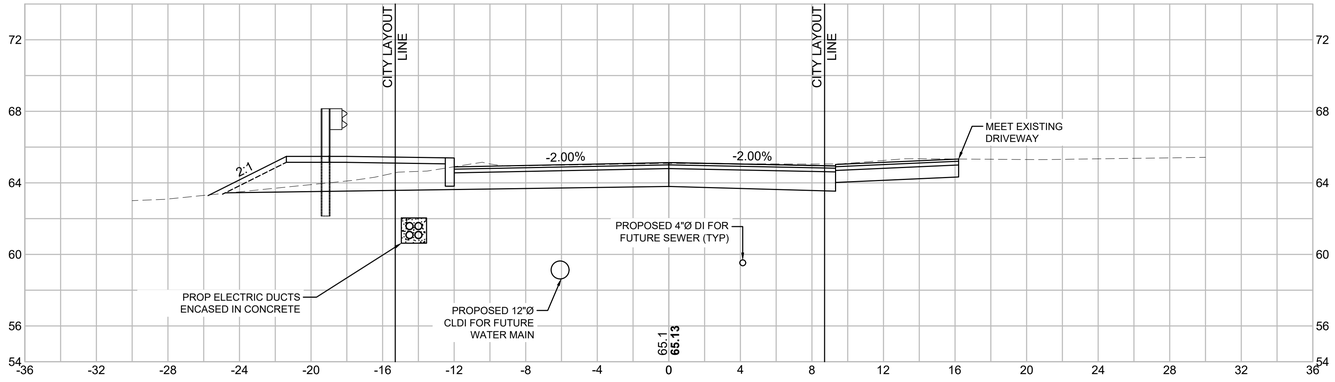
TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	66	67
PROJECT FILE NO.	608616		

CROSS SECTIONS
(SHEET 6 OF 7)

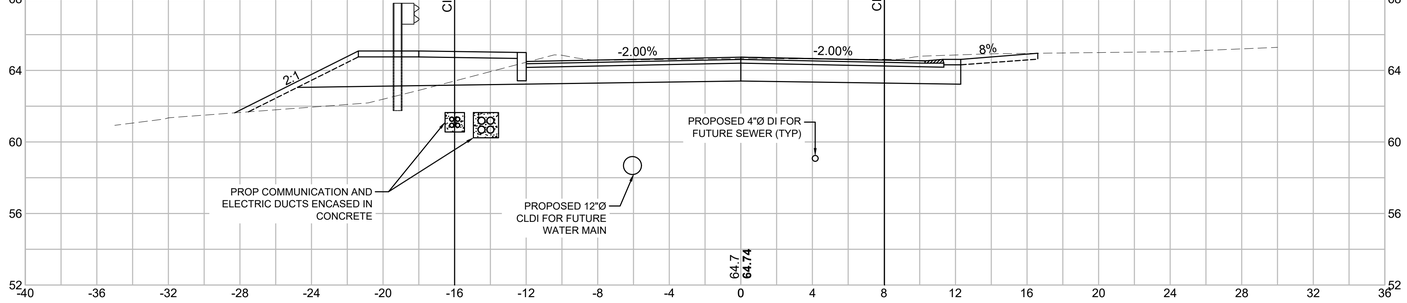
608616_HD27-31 - SECTIONS.DWG Plotted on 18-Jun-2025 9:30 AM

17+85



PR UP 17+70

17+50

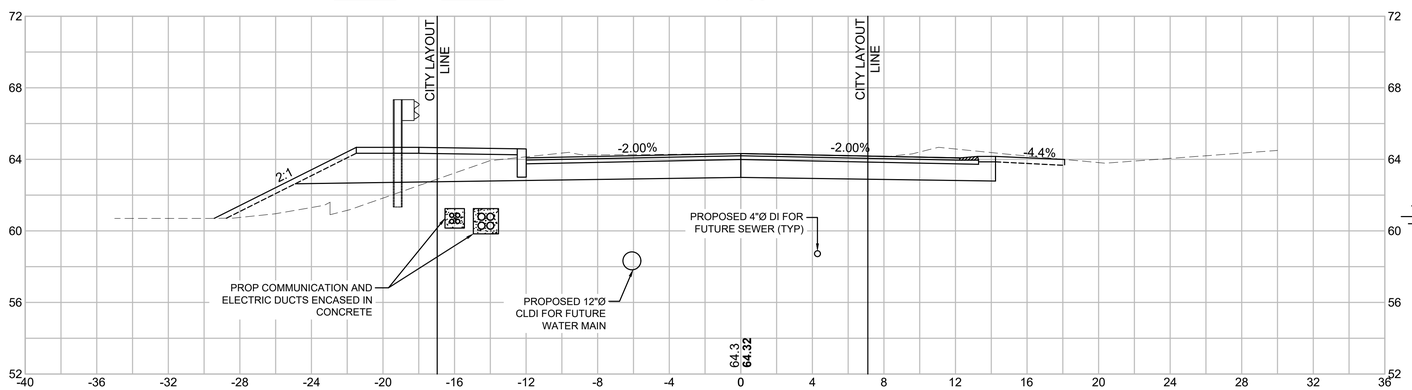


CUT: 35.7 SF
FILL: 7.6 SF

PR UP 17+35

REMOVE EX UP#74 17+03

17+00



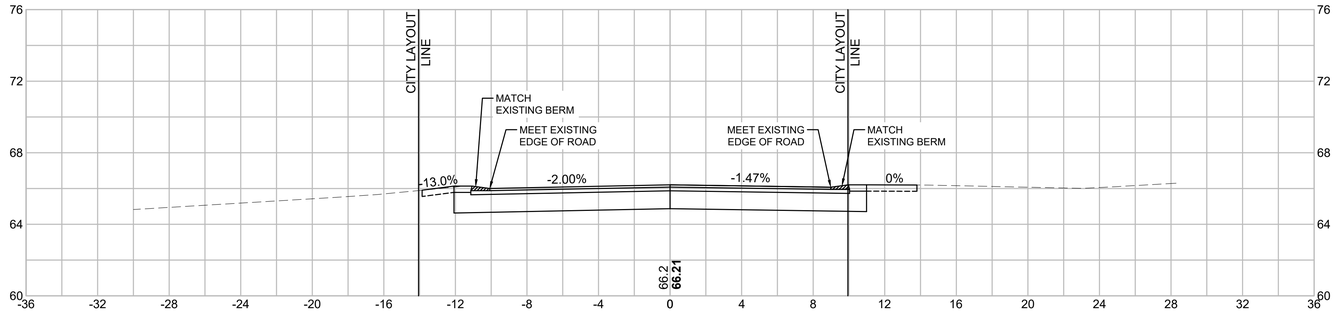
CUT: 42.7 SF
FILL: 10.6 SF

TAUNTON
SCADDING STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	STP(BR-OFF)-003S(863)X	67	67
	PROJECT FILE NO. 608616		

CROSS SECTIONS
(SHEET 7 OF 7)

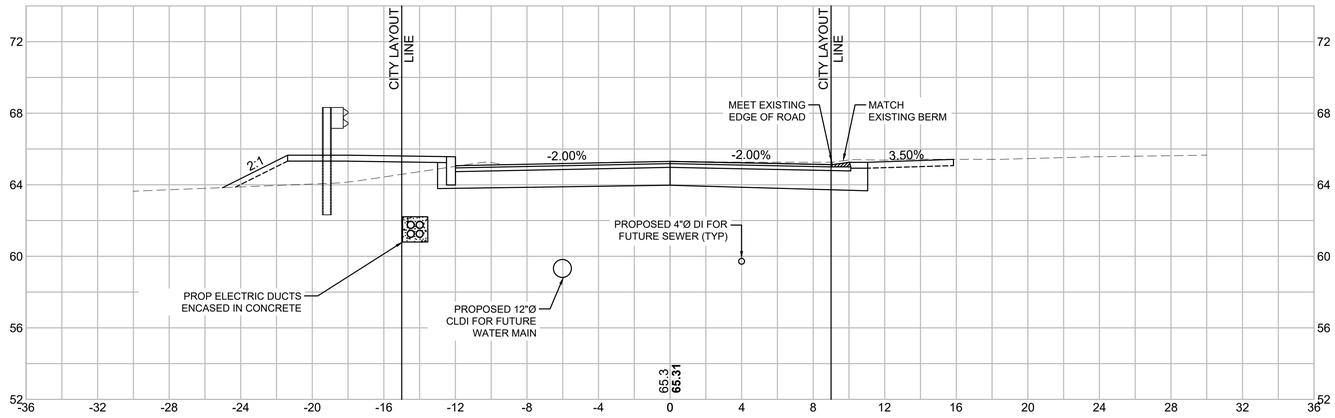
18+50



CUT: 32.7 SF
FILL: 0.0 SF

PR UP
18+05

18+00



CUT: 32.6 SF
FILL: 10.2 SF