MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

PLAN AND PROFILE OF

US 6 WB & ST 28 NB

(BRIDGE NO. W-06-020)

IN THE TOWN OF

WAREHAM

PLYMOUTH COUNTY

FEDERAL AID PROJECT NO. PRC(PRC80)-003S(925)X

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	1	125
	PROJECT FILE NO. 606352		

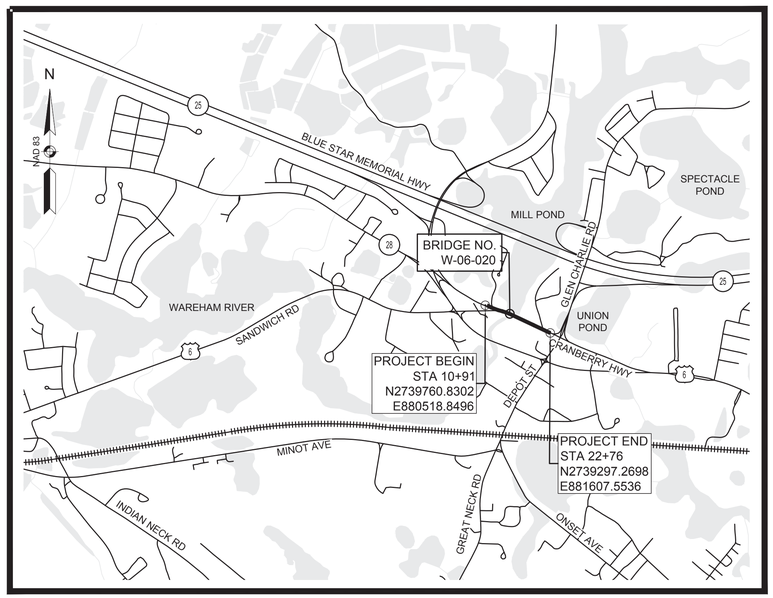
TITLE SHEET & INDEX

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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.

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0 1200 2400 3600

SCALE: 1" = 1200'

LENGTH OF PROJECT = 1,184.00 FEET = 0.224 MILES

DESIGN DESIGNATION (US 6 WB & ST 28 NB)

DESIGN SPEED	40 MPH
ADT (2023)	14,255
ADT (2043)	16,260
K	9%
D	N/A
T (PEAK HOUR)	9%
T (AVERAGE DAY)	9%
DHV	1,464
DDHV	N/A
FUNCTIONAL CLASSIFICATION	URBAN MINOR ARTERIAL

COMMONWEALTH OF MASSACHUSETTS
KEITH J. MACDONALD
CIVIL
NO. 46012
REGISTERED PROFESSIONAL ENGINEER

Keith MacDonald Digitally signed by Keith MacDonald Date: 2026.08.05 15:29:02 -04'00'

PARE
PARE CORPORATION
www.parecorp.com

massDOT
Massachusetts Department of Transportation
Highway Division

APPROVED

Carrie Lavallee Digitally signed by Carrie Lavallee, P.E. Date: 2026.08.11 09:11:55 -04'00' 08/11/2026

CHIEF ENGINEER **DATE**

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		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
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
		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
		BORDERING VEGETATED WETLANDS
		100 FT ZONE BUFFER
		200 FT RIVERFRONT AREA
		STATE HIGHWAY LAYOUT
		TOWN OR CITY LAYOUT
		COUNTY LAYOUT
		RAILROAD SIDELINE
		TOWN OR CITY BOUNDARY LINE
		PROPERTY LINE OR APPROXIMATE PROPERTY LINE
		EASEMENT
		COMPOST FILTER SOCK
MAG		MAG NAIL
△		TRAVERSE POINT
22"CON/DEC		TREE

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 - 2' SOLID WHITE LINE, 2' SPACE
	SWL	SOLID WHITE LINE - 6" REFLECTORIZED
	SYL	SOLID YELLOW LINE
	BWL	BROKEN WHITE LINE (10' STRIPE - 30' SPACE - 10' STRIPE)
	BYL	BROKEN YELLOW LINE (3' STRIPE - 9' SPACE - 3' STRIPE)
	DGL	DOTTED GREEN LINE (3' STRIPE - 9' SPACE - 3' STRIPE)
	DWL	DOTTED WHITE LINE (3' STRIPE - 9' SPACE - 3' STRIPE)
	DYL	DOTTED YELLOW LINE
	DWLEx	DOTTED WHITE LINE EXTENSION (2' STRIPE - 4' SPACE - 2' STRIPE)
	DYLEx	DOTTED YELLOW LINE EXTENSION
	DBWL	DOUBLE WHITE LINE
	DBYL	DOUBLE YELLOW LINE - 6" REFLECTORIZED
	WGL	WHITE GORE LINE - 12" @ 15' O.C. ANGLE @ 45°
	YGL	YELLOW GORE LINE - 12" @ 20' O.C. ANGLE @ 45°
	WCG	WHITE CHEVRON GORE LINE - 24" @ 20' O.C.
		BIKE LANE SYMBOL (SEE DETAILS)
	YL	YIELD LINE (SEE DETAILS)

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
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
PVMT	PAVEMENT

ABBREVIATIONS (cont.)

GENERAL

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
WP	WOOD POST
X-SECT	CROSS SECTION
PCR	PEDESTRIAN CURB RAMP
BRK	BRICK
CON	CONIFEROUS
DEC	DECIDUOUS
DH	DRILL HOLE
STN	STONE
VBC	VERTICAL BIT CONC CURB
VCP	VITRIFIED CLAY PIPE
WD	WOOD
WSO	WATER SHUT OFF VALVE

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

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	2	125
PROJECT FILE NO.	606352		

LEGEND & ABBREVIATIONS

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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	3	125
PROJECT FILE NO.	606352		

NOTES

SURVEY NOTES

1. THE EXISTING CONDITION SHOWN ON THE SURVEY BASE PLAN ARE A RESULT OF AN ON THE GROUND INSTRUMENT SURVEY PERFORMED BY DAWOOD ENGINEERING, INC., BOSTON, MASSACHUSETTS, IN SEPTEMBER, 2022 AND SUPPLEMENTED IN DECEMBER 2023.
2. THE MOST RECENT SITE VISIT WAS COMPLETED IN OCTOBER 2024 TO VERIFY THAT THE EXISTING CONDITIONS SHOWN ON THE PLAN ARE THE CURRENT CONDITIONS IN THE FIELD.
3. THE OWNERS HAVE BEEN CHECKED AND UPDATED AS OF DECEMBER, 2023.
4. COORDINATES, IN U.S. SURVEY FEET, ARE IN THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (MCS), MAINLAND ZONE, REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, (NAD 83/2011, EPOCH 2010.00), BASED ON THE KeyNetGPS VIRTUAL REFERENCE SYSTEM (VRS).
5. ELEVATIONS, IN U.S. SURVEY FEET, ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BASED ON THE KeyNetGPS VIRTUAL REFERENCE SYSTEM (VRS)
6. SUBSURFACE UTILITY LINES AND FEATURES, AS SHOWN HEREON, WERE COMPILED FROM FIELD EVIDENCE AND/OR AVAILABLE RECORD INFORMATION (SEE REFERENCES), AND THEIR LOCATIONS ARE ONLY APPROXIMATE. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD.
7. DAWOOD ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.
8. BEFORE DESIGNING FUTURE CONNECTIONS, THE APPROPRIATE UTILITIES MUST BE CONSULTED.
9. BEFORE CONSTRUCTION, ALL UTILITIES, PUBLIC AND PRIVATE, MUST BE NOTIFIED (SEE MASSACHUSETTS GENERAL LAWS, CHAPTER 82 SECTION 40). CALL "DIG SAFE" 1-888-DIG-SAFE. (888-344-7233).
10. BATHYMETRIC SURVEY DATA BASED ON A BATHYMETRIC SURVEY PERFORMED BY HEIDECKER LAND SURVEYING, LLC ON OCTOBER 5, 2022

UTILITY NOTE

1. EXISTING UTILITIES, WHERE SHOWN HEREON, ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY LOCATING AND COORDINATING ANY ON-SITE ACTIVITY WITH DIG-SAFE AND THE APPROPRIATE UTILITY COMPANY AND MAINTAINING EXISTING UTILITY SYSTEM SERVICE. DIG-SAFE SHALL BE NOTIFIED PER THE COMMONWEALTH OF MASSACHUSETTS STATUTE CHAPTER 82, SECTION 40, AT 1-888-344-7233. NO GUARANTEE IS IMPLIED OR INTENDED AS TO THE ACCURACY, LOCATION OR THAT ALL UTILITIES AND/OR SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL VERIFY SIZE, LOCATION AND INVERTS OR UTILITIES AND STRUCTURES AS REQUIRED PRIOR TO THE START OF CONSTRUCTION.

GENERAL NOTES

1. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR REVIEW A SCHEDULE OF OPERATIONS IN ADDITION TO OTHER CONTRACT REQUIREMENTS TO THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, HIGHWAY DIVISION.
2. WHERE THE NEW CONSTRUCTION COINCIDES WITH PRESENT TRAVELED WAYS, THE CONTRACTOR SHALL PERFORM THEIR WORK IN A MANNER ACCEPTABLE TO THE ENGINEER SO THAT INTERFERENCE TO BUSINESSES AND ABUTTERS, ON ACCOUNT OF THE CONSTRUCTION WORK, IS KEPT TO A MINIMUM. THE CONTRACTOR WILL NOT BE ALLOWED TO PARK EQUIPMENT OR STOCKPILE MATERIAL ON THE TRAVELED WAYS OVERNIGHT OR WHEN NOT IN USE. THE CONTRACTOR SHALL MAINTAIN SAFE AND REASONABLE ACCESS TO AND FROM ABUTTING PROPERTIES AT ALL TIMES AT NO ADDITIONAL COST.
3. THE CONTRACTOR SHALL EXCAVATE TEST PITS TO VERIFY LOCATIONS OF EXISTING UTILITIES AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE UTILITY COMPANIES DOING WORK IN THE SAME AREA. THE CONTRACTOR SHALL ALLOW THE UTILITY COMPANIES AND THEIR REPRESENTATIVES TO INSTALL THEIR SYSTEMS WITHIN MASSDOT AND/OR TOWN OWNED STREETS AND EASEMENTS.
5. NO EXISTING PUBLIC UTILITY STRUCTURES SHALL BE ABANDONED AND/OR DISMANTLED WITHOUT AUTHORIZATION FROM THE ENGINEER.
6. THE CONTRACTOR SHALL PROVIDE METHODS DURING DEWATERING OPERATIONS AND FOR STORM WATER RUNOFF NOT TO ALLOW SILT OR DEBRIS TO ENTER EXISTING DRAINAGE FACILITIES OR CREATE NUISANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING EXISTING OR NEW FACILITIES IF SILTATION OCCURS DUE TO THE CONTRACTOR'S OPERATIONS.
7. FINAL LOCATION OF TRAFFIC SIGNS AND SUPPORTS SHALL BE SHOWN ON THE TRAFFIC PLAN AND MAY, IF NECESSARY, AT DISCRETION OF THE ENGINEER, BE MODIFIED IN THE FIELD AS APPROPRIATE.
8. DETAILS FOR SIGN SUPPORTS SHALL BE IN ACCORDANCE WITH MASSDOT STANDARD DRAWINGS.
9. DAMAGE OF PROPERTY BEYOND THE WORK LIMITS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE, SUBJECT TO THE APPROVAL OF THE ENGINEER AND ACCEPTANCE OF THE PROPERTY OWNER.
10. THE CONTRACTOR SHALL CLEAR AND GRUB/REMOVE DEBRIS WITHIN THE LIMITS OF THE SHLO AND EASEMENT AREAS WITH THE EXCEPTION OF KNOTWEED. REMOVAL AND DISPOSAL OF KNOTWEED SHALL BE COORDINATED WITH THE MASSDOT LA.
11. THE CONTRACTOR SHALL DISPOSE OF ALL WASTE MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS AT THEIR OWN EXPENSE IF NOT OTHERWISE SPECIFIED, OUTSIDE OF THE PROJECT LIMITS.
12. ALL EXISTING TOWN UTILITY CASTINGS SUCH AS WATER BOXES, CURB STOPS, MANHOLE FRAMES AND COVERS, CATCH BASIN FRAME AND GRATES AND OTHER CASTINGS SHALL BE ADJUSTED BY THE CONTRACTOR TO LINE AND GRADE AS DIRECTED BY THE ENGINEER UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS OR ON THE CONTRACT PLANS.
13. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL UTILITIES THROUGHOUT THE PROJECT SO THAT THE VARIOUS UTILITY OWNERS HAVE ACCESS TO VAULTS AND MANHOLES TO OPERATE VALVES AND OTHER CONTROLS ON THEIR SYSTEM.
14. OFFSETS TO CATCH BASINS ARE TO THE CENTER OF THE GRATE.
15. IF THE CONTRACTOR DAMAGES UTILITY SERVICES, THEY SHALL IMMEDIATELY NOTIFY THE RESPECTIVE UTILITY COMPANY AND SHALL IMMEDIATELY REPLACE OR REPAIR AT NO ADDITIONAL COST.
16. ALL PROPOSED DRAINAGE CONNECTIONS TO EXISTING STRUCTURES WILL BE INCLUDED IN THE COST OF INSTALLATION OF THE NEW PIPE OR STRUCTURE.
17. RIM ELEVATIONS MAY BE SUBJECT TO FIELD ADJUSTMENTS AS DIRECTED BY THE ENGINEER. ELEVATIONS ON CATCH BASINS ARE REFERENCED TO THE CENTER OF GRATE AT FACE OF CURB.
18. WHERE WATERLINES, DRAINAGE PIPES OR STRUCTURES ARE ABANDONED IN PLACE, CONTRACTOR SHALL MAKE SURE THAT ALL CONNECTING PIPES, INLETS AND OUTLETS ARE PLUGGED. ALL LIVE CONNECTIONS SHALL BE CONNECTED TO THE NEW SYSTEM
19. ALL EXISTING DRAINAGE STRUCTURES AND PIPE TO REMAIN WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND SEDIMENT DISPOSED OF.
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 ADJUSTEMENTS 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 OF THE STRUCTURES BE ORDERED.
21. 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 OF THE STRUCTURES BE ORDERED.
22. ALL PEDESTRIAN CURB RAMPS SHALL CONFORM TO THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) RULES AND REGULATIONS AND THE AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES. SEE LATEST MASSDOT CONSTRUCTION STANDARDS.
23. IN ALL LOCATIONS WHERE PROPOSED SIDEWALK TRANSITIONS TO MEET EXISTING GRADE, SIDEWALK OR PAVED AREA, SLOPE SHALL NOT EXCEED 1:12.
24. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 4'-0" SHALL BE MAINTAINED PAST ALL OBSTRUCTIONS (UTILITY POLES, SIGNS, SIGNAL FOUNDATIONS AND MASTS, MAILBOXES, ALONG DRIVE OPENINGS, ETC.)
25. EXISTING CURB (GRANITE AND CONCRETE) IN GOOD CONDITION SHALL BE RESET. NEW CURB SHALL BE USED ONLY AFTER ALL EXISTING CURB HAS BEEN RESET.
26. ADA COMPLIANT ACCESS MUST BE MAINTAINED AT ALL TIMES.
27. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THAT OF ADJACENT PROJECTS UNDERWAY AT THE SAME TIME.

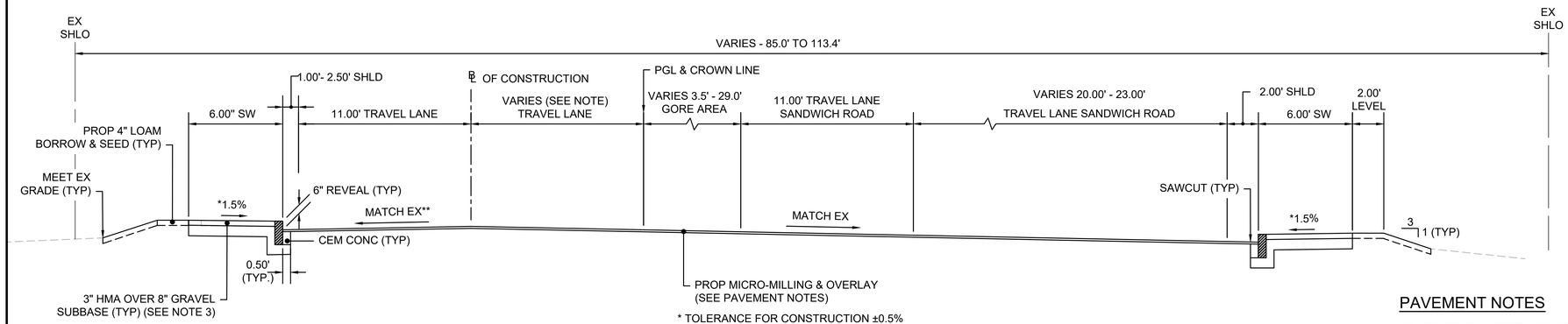
RESTORATION NOTES:

1. DECOMPACT (SCARIFY) AREAS OF COMPACTED SOIL, RESTORE WITH COMPOST BLANKET, CORRESPONDING SEED MIX AND JUTE MESH IF REQUIRED FOR STEEP SLOPES.
2. COMPOST BLANKET AND SEEDING SHALL OCCUR AFTER FINAL GRADING. TEMPORARY SEEDING MAY BE UTILIZED TO STABILIZE EXPOSED SURFACES IF STABILIZATION WILL NOT OCCUR WITHIN 14 DAYS OF THE DISTURBANCE.
3. SEEDING WITH COMPOST BLANKET SHALL BE PER THE SPECIAL PROVISIONS.
4. SEED RATES SHALL BE INCREASED AS SPECIFIED FOR SLOPE CONDITIONS.

EROSION AND SEDIMENT CONTROL NOTES:

1. COMPOST FILTER TUBES (OR SIMILAR BARRIER APPROVED BY THE ENGINEER) SHOWN ON LANDSCAPE PLAN SHALL BE LEFT TO DEGRADE OVER TIME AND THEREFORE MUST BE COMPRISED OF 100% BIODEGRADABLE MATERIALS- BURLAP, COTTON, HEMP, ETC.
2. USE SHALL BE IF AND WHERE NEEDED AND AS APPROVED BY THE ENGINEER. PLACEMENT SHALL BE WHERE MOST EFFECTIVE TO REDUCE POTENTIAL EROSION OF SLOPES UNTIL AT LEAST 75% VEGETATIVE COVER ESTABLISHES.
3. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROLS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL REPLACE DAMAGED EROSION CONTROLS AT THE OWNER AND ENGINEER'S REQUEST AT NO ADDITIONAL EXPENSE TO THE OWNER.
5. THE CONTRACTOR SHALL NOT LEAVE DISTURBED AREAS UNSTABILIZED FOR PERIODS MORE THAN 14 DAYS. PROVIDE TEMPORARY SEED OR MULCH ON DISTURBED AREAS THAT WILL REMAIN EXPOSED FOR GREATER THAN 14 DAYS.

606352_HD(GENERAL NOTES).DWG Plotted on 31-Jul-2026 12:48 PM

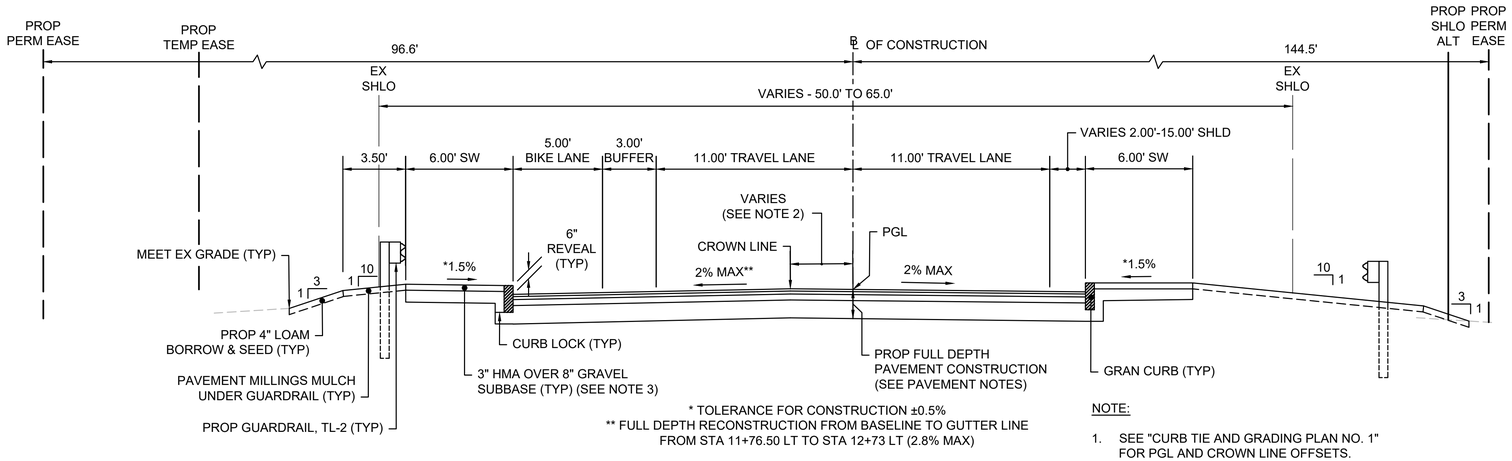


* TOLERANCE FOR CONSTRUCTION ±0.5%
** FULL DEPTH RECONSTRUCTION FROM BASELINE TO GUTTER LINE FROM STA 11+76.50 LT TO STA 12+73 LT

TYPICAL SECTION - MILL AND OVERLAY
STA 11+76.50 TO 12+55.00
NOT TO SCALE

NOTE:

1. SEE "CURB TIE AND GRADING PLAN NO.1" FOR PGL AND CROWN LINE OFFSETS.

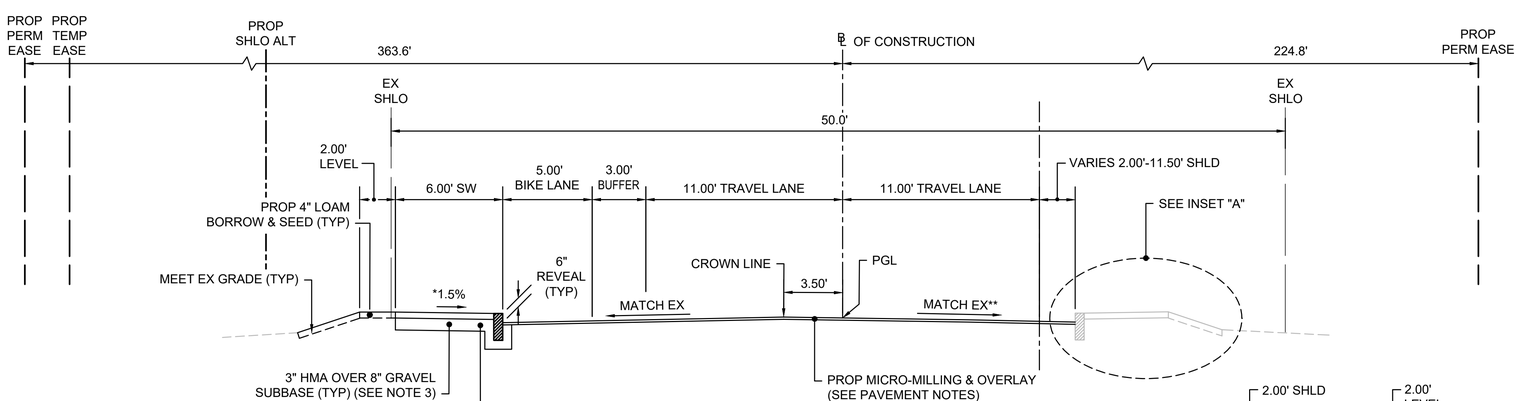


* TOLERANCE FOR CONSTRUCTION ±0.5%
** FULL DEPTH RECONSTRUCTION FROM BASELINE TO GUTTER LINE FROM STA 11+76.50 LT TO STA 12+73 LT (2.8% MAX)

TYPICAL SECTION - FULL DEPTH RECONSTRUCTION
STA 12+55.00 TO 14+96.62
STA 15+53.29 TO 17+25.00
NOT TO SCALE

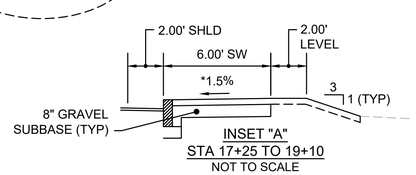
NOTE:

1. SEE "CURB TIE AND GRADING PLAN NO. 1" FOR PGL AND CROWN LINE OFFSETS.



* TOLERANCE FOR CONSTRUCTION ±0.5%
** STA 17+25 TO STA 19+00 2.0" SUPERPAVE LEVELING COURSE-9.5 (SLC-9.5) TO IMPROVE GUTTER SLOPE

TYPICAL SECTION - MILL AND OVERLAY
STA 17+25 TO 21+63.20
NOT TO SCALE



INSET "A"
STA 17+25 TO 19+10
NOT TO SCALE

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	4	125
PROJECT FILE NO.	606352		

TYPICAL SECTIONS

PAVEMENT NOTES

PROPOSED FULL DEPTH CONSTRUCTION

SURFACE COURSE:	1.5" SUPERPAVE BRIDGE SURFACE COURSE - 9.5 POLYMER (SSC-B-9.5-P)
INTERMEDIATE COURSE:	2.5" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0)
BASE COURSE:	4.5" SUPERPAVE BASE COURSE - 37.5 (SBC-37.5)
SUBBASE:	4" DENSE GRADED CRUSHED STONE FOR SUB-BASE OVER 8" GRAVEL, TYPE B
SUBGRADE	SPECIAL BORROW AS REQUIRED BASED ON EXISTING SUBGRADE MATERIALS

PROPOSED MICROMILL AND OVERLAY

MICROMILL:	1.5 EXISTING PAVEMENT
OVERLAY	1.5" SUPERPAVE BRIDGE SURFACE COURSE - 9.5 POLYMER (SSC-B-9.5-P) AND 2.0" SUPERPAVE LEVELING COURSE- 9.5 (SLC-9.5) AS REQUIRED

PROPOSED HMA DRIVEWAY

SURFACE COURSE:	1.5" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5)
	2.5" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5)
SUBBASE:	8" SUITABLE EXISTING GRAVEL
	ADD GRAVEL BORROW, TYPE B AS REQUIRED

PROPOSED HMA SIDEWALK

SURFACE COURSE:	1.25" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5)
	1.75" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5)
SUBBASE:	8" GRAVEL BORROW, TYPE B

PROPOSED CEMENT CONCRETE PEDESTRIAN CURB RAMPS AND SIDEWALK

SURFACE COURSE:	4" CEMENT CONCRETE (AIR RETAINED, 4000 PSI, 3/4, 610)
SUBBASE:	8" GRAVEL BORROW, TYPE B

PROPOSED TEMPORARY PAVEMENT TRENCH PATCH

SURFACE COURSE:	2.5" HMA FOR PATCHING
BASE:	EXISTING MATERIAL SUITABLE FOR RE-USE

PROPOSED PERMANENT PAVEMENT TRENCH PATCH

SURFACE COURSE:	1.5" SUPERPAVE BRIDGE SURFACE COURSE- 9.5 POLYMER (SSC-B-9.5-P)
INTERMEDIATE BASE:	2.5" SUPERPAVE INTERMEDIATE COURSE-19.0 (SIC-19.0)
BASE:	4.5" SUPERPAVE BASE COURSE - 37.5 (SBC-37.5)
SUBBASE:	4" DENSE GRADED CRUSHED STONE FOR SUBBASE OVER 8" GRAVEL BORROW, TYPE B

PROPOSED TEMPORARY PAVEMENT WIDENING

SURFACE COURSE:	2.5" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0)
BASE:	2.5" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0)
SUBBASE:	8" GRAVEL BORROW, TYPE B

NOTES:

1. ALL HOT MIX ASPHALT PAVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 450 QUALITY ASSURANCE OR HMA.
2. ASPHALT EMULSION FOR TACK COAT (ITEM 452) SHALL BE SPRAY APPLIED FOR TRIPLE OVERLAP COVERAGE AT 0.08 GAL/SY OVER MILLED SURFACES AND 0.07 GAL/SY OVER SMOOTH SURFACES.
3. HMA JOINT ADHESIVE (ITEM 438) SHALL BE APPLIED IN SURFACE COURSE AT ALL VERTICAL COLD JOINTS PRIOR TO HMA PAVING.
4. ALL HOT MIX ASPHALT WALKS AND DRIVEWAYS SHALL BE ESTIMATED AND PAID FOR UNDER ITEM 702. OF THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
5. WHERE EXISTING GRAVEL IS FOUND TO BE SUITABLE, THE EXISTING GRAVEL MAY BE USED IN PROPOSED SUBBASE, AFTER APPROVAL BY THE ENGINEER.

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HIGHWAY GUARD DETAILS

TRAILING ANCHORAGE:
STA 14+32.11 LT TO STA 14+41.11 LT
STA 16+51.16 LT TO STA 16+60.54 LT
STA 13+76.39 RT TO STA 13+85.82 RT

GUARDRAIL, TL-2 (SINGLE FACED):
STA 14+41.12 LT TO STA 14+58.59 LT
STA 13+85.82 RT TO STA 14+58.48 RT
STA 15+88.38 LT TO STA 16+28.33 LT
STA 15+88.8 RT TO STA 16+28.37 RT
STA 16+60.54 LT TO STA 17+00.87 LT

TRANSITION TO BRIDGE RAIL:
STA 14+58.59 LT TO STA 14+91.29 LT
STA 14+58.48 RT TO STA 14+93.25 RT
STA 15+54.68 LT TO STA 15+88.38 LT
STA 15+54.57 RT TO STA 15+88.38 RT

GUARDRAIL TANGENT END TREATMENT, TL-2:
STA 16+28.37 RT TO STA 16+53.36 RT
STA 17+00.87 LT TO STA 17+25.87 LT

GUARDRAIL FLARED END TREATMENT, TL-2:
STA 16+28.33 LT TO STA 16+53.18 LT

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 13

DRAINAGE DETAILS

SEE SHEET 11

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	5	125
	PROJECT FILE NO. 606352		

CONSTRUCTION PLAN NO. 1

606352_HD(CONSTRUCTION 1).DWG Plotted on 31-Jul-2026 12:48 PM

R&D EXIST FISHWAY EXIT
#10 OLD GLEN CHARLIE ROAD
MAP 129 LOT 1162
TOWN OF WAREHAM
#6-8 OLD GLEN CHARLIE ROAD
MAP 129 LOT RA
ERIN K. MACLURE
DEED BOOK 50537 PAGE 166
PLAN BOOK 11 PLAN 1115
LIMIT OF DISTURBANCE (TYP)
#2848
MAP 129 LOT 1078
WAREHAM LAND TRUST, INC.
DEED BOOK 37870 PAGE 247
PROP S.H.L.O. ALT NO. 8953
INSET A
#2844
MAP 129 LOT 1074
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF FISHERIES, WILDLIFE AND
ENVIRONMENTAL LAW ENFORCEMENT
LC CERTIFICATE 64582
LC DOCUMENT 410556 (TAKING)
LC DOCUMENT 715880 (ORDER)
LC PLAN 38403-A
PROJECT BEGIN
STA 10+91
N2739760.8302
E880518.8496
#2842
MAP 129 LOT 1073
N/F
KELLEY'S MARINE, INC.
DEED BOOK 46158 PAGE 251
AMES ISLAND RD
PROP MILL AND OVERLAY AND FULL DEPTH PVMT RECONSTRUCTION (STA 11+76.50 LT TO STA 12+73 LT
FULL DEPTH PVMT RECONSTRUCTION
PROP FULL DEPTH PVMT RECONSTRUCTION
STA 12+55.00
PROP PCR 1-1 WITH PROP DETECTABLE WARNING PANEL
PROP PCR 1-2 WITH PROP DETECTABLE WARNING PANEL
PROP LOAM & SEED
BEGIN R&D SW
BEGIN R&D VGC
BEGIN PROP HMA SW
BEGIN PROP VGC
PROP HMA SW 5.5' WIDTH
PROP HMA DWY 1-1
PROP PCR (PARTIAL RECONSTRUCTION) PROP DETECTABLE WARNING PANEL R&R CURB
+55.00 OFFSET: 0.00
LOCATION LINE OF 1924 SHLO 2191
LOCATION LINE OF 1917 SHLO 1777
PROP SAWCUT
R&D GUARDRAIL
PROP HMA SW 5.5' WIDTH
PRC +93.02
CONST ℄
+81.39 OFFSET: 0.00
(ROUTE 28)
CRANBERRY HWY
PROP SAWCUT MEET EX PVMT
CROWN OF ROAD
PROP MILL AND OVERLAY
1924 SHLO 2191 BASELINE
(RTE 6) SANDWICH RD
(1925 STATE HWY ALERATION LAYOUT NO. 2313)
98 1917 SHLO 1777 BASELINE
LOCATION LINE OF 1925 SHLO 2313
RET BIT SW
RET CURB
PROP PERMANENT EASEMENT
BEGIN R&D SW
BEGIN R&D VGC
BEGIN PROP HMA SW
BEGIN PROP VGC
BEGIN LOAM & SEED
#2843
MAP 129 LOT 1148.B
N/F
LYNCH FAMILY LIVING TRUST
DEED BOOK 26889 PAGE 147
PLAN BOOK 3944 PLAN 191
13+31.38 ROUTE 6 & 28=
100+90.18 SHLO 1777
PROP COMPOST FILTER TUBE (TYP)
MAP 129 LOT 1148.C
COMMONWEALTH OF MASSACHUSETTS
DEED BOOK 11494
PAGE 48
PLAN 699 OF 1992
NOTE:
ALL BOUNDS WITHIN THE SIDEWALK SHALL BE CAREFULLY INSTALLED SUCH THAT THE BOUND SHALL BE SET FLUSH WITH THE SIDEWALK SURFACE.
N
NAD 83
PROP PERMANENT EASEMENT
AGAWAM MILL POND
MAP 129 LOT 1161
AGAWAM MILL POND
OWNER UNKNOWN
NORMAL POOL EL: 14.3
ORDINARY HIGH WATER EL:
END PVMT MILLINGS
PROP HMA SW 5.5' WIDTH
BEGIN PVMT MILLINGS
PROP LOAM & SEED
PROP PCR 1-3 WITH PROP DETECTABLE WARNING PANEL
PROP TEMP EASEMENT
PROP HMA DWY 1-2
PROP SAWCUT
PROP CEM CONC SW
LIMIT OF HYDROGRAPHIC SURVEY
END R&D SW
+53.29 OFFSET: 0.00
PROP GRAN CURB TYPE VA5 8" REVEAL / 16'-10" LONG (TYP)
P1 +56.56
L1
PROP CEM CONC SW
END PROP S.H.L.O. ALT NO. 8953
PROP HMA SW 5.5' WIDTH
R&D EX GUARDRAIL AND POSTS
END PVMT MILLINGS
BEGIN PROP S.H.L.O. ALT NO. 8953
BEGIN PVMT MILLINGS
HTL EL. 3.39
MHW EL. 1.9
MLW EL. -2.07
AGAWAM RIVER
LIMIT OF STREAMBED RESTORATION PLAN
#2845
MAP 129 LOT 1149
WAREHAM LAND TRUST, INC.
DEED BOOK 37870 PAGE 247
PROP PERMANENT EASEMENT
RET TREE
BEGIN PVMT MILLINGS
PROP BRIDGE TO HWY GUARD TRANS (TYP)
CONSTRUCT FISH LADDER AND EEL PASSAGE (SEE BRIDGE PLANS FOR DETAILS)
LANDSCAPING (SEE LANDSCAPE PLANS FOR DETAIL)
#2849
MAP 129 LOT 1150
WAREHAM B. P. O. ELKS, #1548
DEED BOOK 3061 PAGE 48
PLAN BOOK 1 PLAN 544
R&D MHB PROP GRAN MHB
PROP GUARDRAIL TANGENT END TREATMENT, TL-2 (TYP)
R&D TREE
PROP SHED
FOR PROFILE: SEE SHEET NO. 7 AND NO. 8
SCALE: 1" = 20'
SEE INSET A
PROP PERMANENT EASEMENT
LIMIT OF DISTURBANCE (TYP)
PROP PERMANENT EASEMENT
WAREHAM LAND TRUST, INC
BOOK 37870 PAGE 247
#2848 CRANBERRY HWY
PROPOSED NORMAL POOL EL: 14.3
PROPOSED ORDINARY HIGH WATER EL: 15.7
DEMOLISH EX CULVERT
CONSTRUCT PROP BRIDGE W-06-020 (CCV) & SPILLWAY (SEE BRIDGE PLANS FOR DETAILS)
LIMIT OF DISTURBANCE (TYP)
BEGIN PVMT MILLINGS
PROP GRAN CURB TRANSITION 8" TO 6" REVEAL 6'-3" LONG (TYP)
PROP HMA SW 5.5' WIDTH
PROP STEEL W-BEAM TRAILING ANCHORAGE (TYP)
RECONSTRUCT FISHWAY WALLS AND CHANNEL BOTTOM (SEE BRIDGE PLANS FOR DETAILS)
PROP GUARDRAIL FLARED END TREATMENT, TL-2
PROP STEEL W-BEAM GUARDRAIL TL-2 (TYP)
RECONSTRUCT FISHWAY CHANNEL AND REPAIR FISHWAY ROOF
R&R BOUND
R&D TREE
END PVMT MILLINGS
R&D TREE
PROP SHED
PROP GUARDRAIL TANGENT END TREATMENT, TL-2 (TYP)
R&D MHB PROP GRAN MHB
R&D EX GUARDRAIL AND POSTS
CONSTRUCT FISH LADDER AND EEL PASSAGE (SEE BRIDGE PLANS FOR DETAILS)
LANDSCAPING (SEE LANDSCAPE PLANS FOR DETAIL)
#2849
MAP 129 LOT 1150
WAREHAM B. P. O. ELKS, #1548
DEED BOOK 3061 PAGE 48
PLAN BOOK 1 PLAN 544
FOR PROFILE: SEE SHEET NO. 7 AND NO. 8
0 20 50 100
SCALE: 1" = 20'
CONTINUED ON SHEET NO. 6

HIGHWAY GUARD DETAILS

SEE SHEET 5

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 14

DRAINAGE DETAILS

SEE SHEET 12

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	6	125
PROJECT FILE NO.	606352		

CONSTRUCTION PLAN NO. 2

606352_HD(CONSTRUCTION 2).DWG Plotted on 31-Jul-2026 12:49 PM

FULL DEPTH PVMT RECONSTRUCTION
PROP MILL AND OVERLAY
STA 17+25
PROP STEEL W-BEAM TANGENT END TREATMENT TL-2
END PVMT MILLINGS
#2850 MAP 129 LOT 1077 JAS REALTY, LLC DEED BOOK 57925 PAGE 52
END PROP S.H.L.O ALT NO. 8953
PROP HMA DWY 2-2
PROP PERMANENT EASEMENT
BEGIN PROP S.H.L.O ALT NO. 8953
PROP TEMP EASEMENT
PROP HMA SW 5.5' WIDTH
PROP LOAM AND SEED
PROP COMPOST FILTER TUBE (TYP)
PROP STEEL W-BEAM GUARDRAIL TL-2 (TYP)
BEGIN PROP S.H.L.O ALT NO. 8953
PROP PERMANENT EASEMENT
END PROP HMA SW
PROP HMA DWY 2-3
PROP VGC
RET MB
PROP HMA DWY 2-4
PROP SAWCUT MEET EX PVMT
PROP TEMP EASEMENT
PROP LOAM AND SEED
#2854 MAP 129 LOT 1076 JAS REALTY, LLC DEED BOOK 58294 PAGE 52 PLAN 377 OF 2003 PLAN BOOK 36 PLAN 746
#2856 MAP 129 LOT 1075 2856 REALTY TRUST DEED BOOK 56177 PAGE 182 PLAN BOOK 3556 PLAN 466
OLD GLEN CHARLIE RD (PUBLIC - 1953 TOWN LAYOUT)
PROP SAWCUT MEET EX PVMT
PROP HMA DWY 2-5
PROP BERM
PROP TEMP EASEMENT
PROP HMA DWY 2-6
PROP GRAN TRANS CURB
RET INLET STONE
PROP LOAM & SEED
PROP PCR 2-1 WITH PROP DETECTABLE WARNING PANEL
END R&D VGC
END PROP VGC
PROP INLET STONE
R&D INLET STONE
PROP SAWCUT MEET EX PVMT
PROP FULL DEPTH PVMT RECONSTRUCTION
PROP MILL & OVERLAY
BEGIN R&D VGC
PROP SAWCUT
PROP LOAM & SEED
PROP PCR 2-2 WITH PROP DETECTABLE WARNING PANEL
PROP TEMP EASEMENT
PROP MILL AND OVERLAY
PROJECT END STA 22+76 N2739297.2698 E881607.5536
CB
#2858 MAP 129 LOT 1093.A TOWN OF WAREHAM DEED BOOK 12544 PAGE 81
BEGIN R&D SW
BEGIN PROP VGC
PROP CEM CONC SW
END R&D SW
END R&D VGC
END PROP VGC
PROP SAWCUT
R&R VGC
R&R MAILBOX
PROP LOAM & SEED
RET CURB
R&D VGC
PROP VGC
R&D INLET STONE
PROP SAWCUT MEET EX PVMT
PROP CEM CONC BUFFER
PROP CEM CONC ISLAND
R&D BIT BERM
PROP VGC
PROP CEM CONC ISLAND
PROP CEM CONC ISLAND
PROP CEM CONC SW
PROP SAWCUT
PROP SAWCUT
105 1917 SHLO 1777 BASELINE 106 107 110 1917 SHLO 1777 BASELINE
17 18 19 PI +69.61 20 21 22 22+76
L1 L2
CONTINUED ON SHEET NO. 5
R&D EX GUARDRAIL AND POSTS
+25.00
OFFSET: 0.00
CONST ℄
PROP GRAN TRANSITION
PROP CEM CONC ISLAND
RET CURB
RET CURB
RET BIT SW
RET CURB
RET CURB
RET BIT SW
PROP HMA SW R&D SW
PROP HMA SW R&D SW
R&D VGC
PROP GRAN TRANSITION
CROWN OF ROAD
END R&D SW
END R&D VGC
END PROP HMA SW
END PROP VGC
PROP HMA DWY 2-7
PROP LOAM & SEED
PROP BERM
PROP LOAM & SEED
PROP HMA DWY 2-1
LIMIT OF DISTURBANCE (TYP)
PROP TEMP EASEMENT
PROP HMA SW 5.5' WIDTH
PROP PERMANENT EASEMENT
PROP TEMP EASEMENT
PROP LOAM & SEED
PROP HMA DWY 2-7
PROP HMA DWY 2-1
PROP HMA SW 5.5' WIDTH
PROP PERMANENT EASEMENT
PROP LOAM & SEED
PROP BERM
PROP LOAM & SEED
PROP HMA DWY 2-1
PROP HMA SW 5.5' WIDTH
PROP PERMANENT EASEMENT
PROP TEMP EASEMENT
PROP LOAM & SEED
PROP HMA DWY 2-7

FOR CONSTRUCTION PLANS:
SEE SHEET NO. 5 & 6

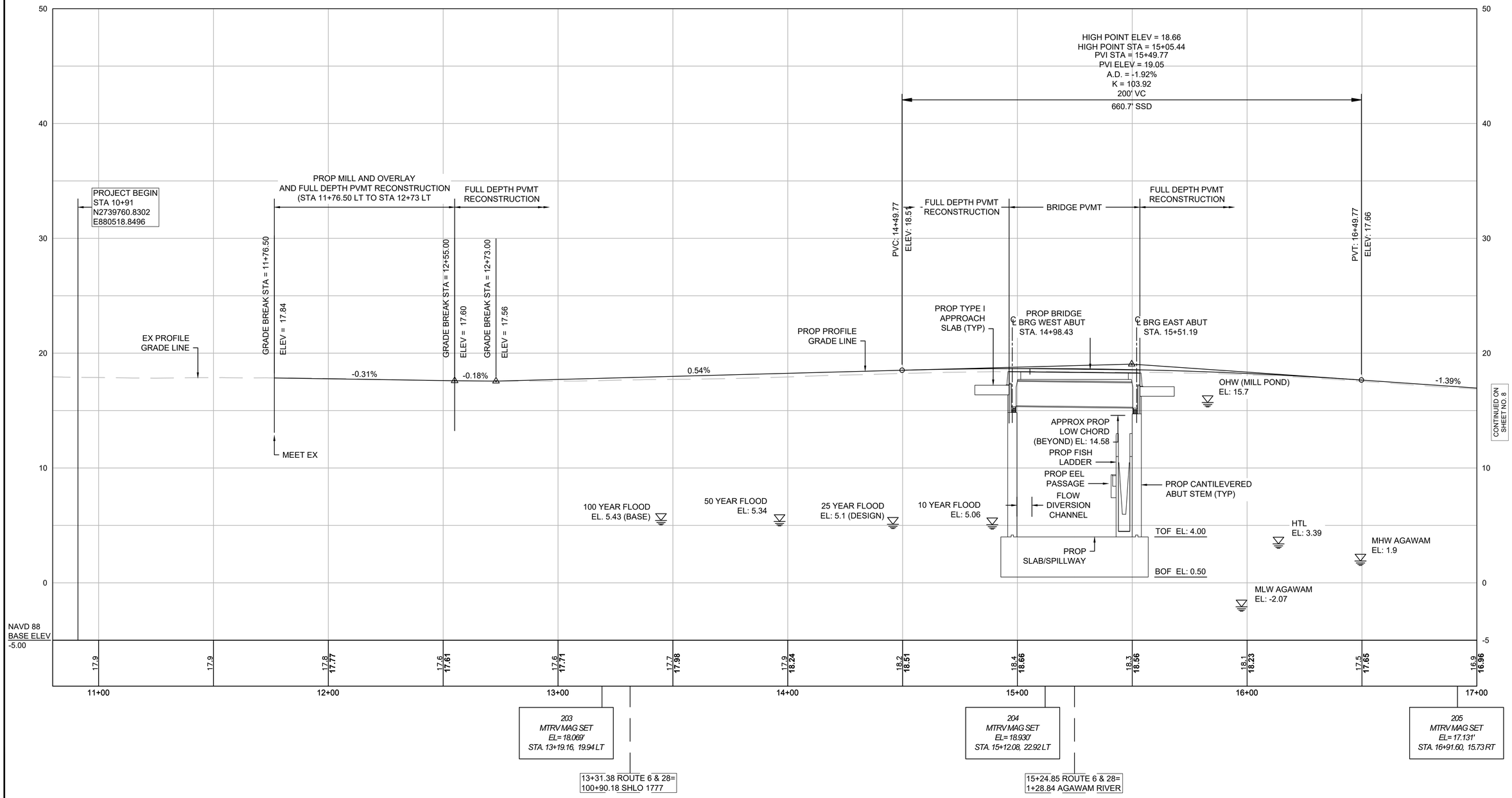
HOR. SCALE IN FEET
20 0 20 40
4 0 4 8
VER. SCALE IN FEET

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	7	125
PROJECT FILE NO.	606352		

PROFILE NO. 1

606352_HD(PROFILE).DWG Plotted on 31-Jul-2026 12:49 PM



CONTINUED ON SHEET NO. 8

FOR CONSTRUCTION PLANS:
SEE SHEET NO. 5 & 6

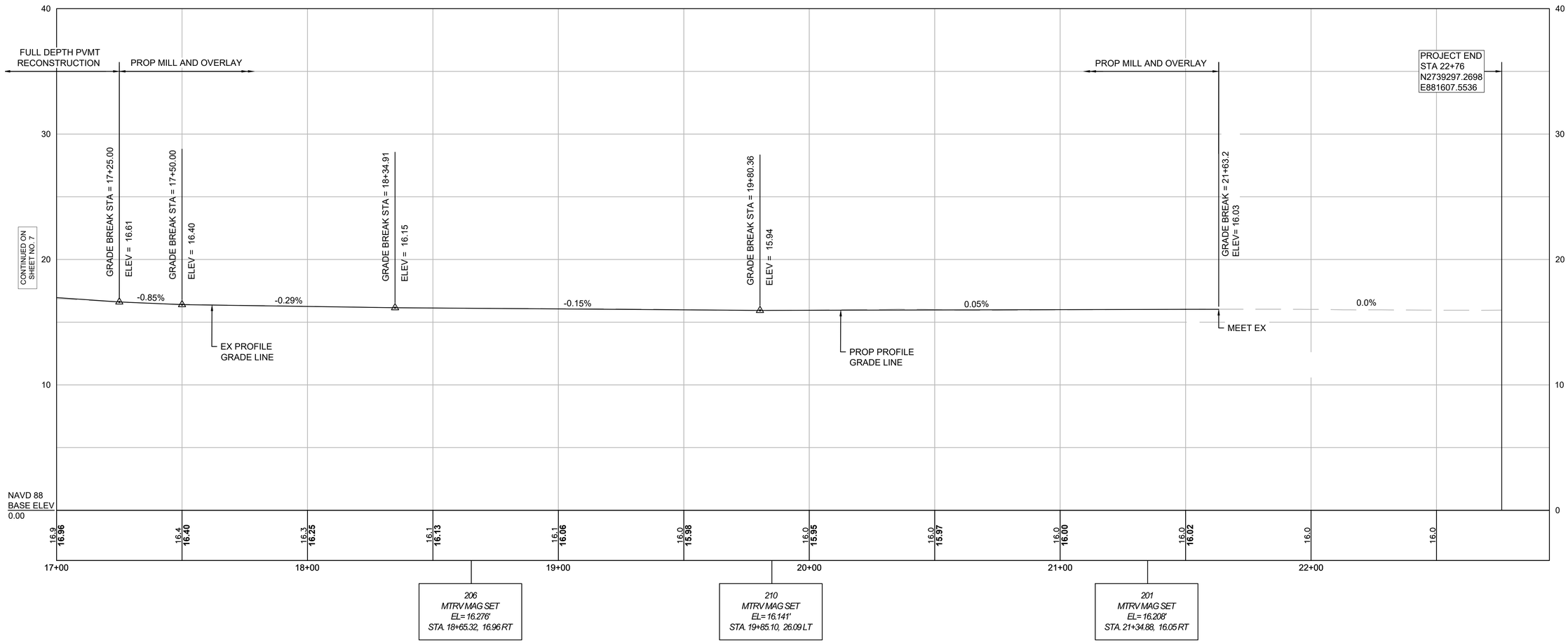
HOR. SCALE IN FEET
20 0 20 40
4 0 4 8
VER. SCALE IN FEET

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	8	125
PROJECT FILE NO.	606352		

PROFILE NO. 2

606352_HD(PROFILE).DWG Plotted on 31-Jul-2026 12:49 PM



WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	9	125
	PROJECT FILE NO. 606352		

CURB TIE & GRADING PLAN NO. 1

606352_HD(CURB TIE 1).DWG Plotted on 31-Jul-2026 12:49 PM

SURVEY TRAVERSE DATA					
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION	CONST ℄ STA, OFFSET
1745	19.800	2739647.968	880508.358	MTRV PK FND	11+23.22, 108.47 RT
202	16.976	2739914.930	880652.340	MTRV SPIKE SET	11+60.39, 192.63 LT
203	18.069	2739701.765	880739.149	MTRV MAG SET	13+19.16, 19.94 LT
204	18.930	2739643.362	880925.053	MTRV MAG SET	15+12.08, 22.92 LT
205	17.131	2739532.324	881072.276	MTRV MAG SET	16+91.60, 15.73 RT

ROUTE 6 & 28 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	10+00.00	2739797.168	880435.425	R=2600.00' Δ=8°39'39" L=393.02' T=196.88'		13+93.02	2739661.530	880803.898
C2	13+93.02	2739661.530	880803.898	R=1000.00' Δ=9°22'13" L=163.54' T=81.95'		15+56.56	2739604.149	880956.849
L1	15+56.56	2739604.149	880956.849		S64°45'04"E 413.04'	19+69.61	2739427.964	881330.432

N

NAD 83

#10 OLD GLEN CHARLIE ROAD
MAP 129 LOT 1162
TOWN OF WAREHAM

#6-8 OLD GLEN CHARLIE ROAD
MAP 129 LOT RA
ERIN K. MACLURE
DEED BOOK 50537 PAGE 166
PLAN BOOK 11 PLAN 1115

#2848
MAP 129 LOT 1078
WAREHAM LAND TRUST, INC.
DEED BOOK 37870 PAGE 247

PROP S.H.L.O. ALT NO. 8953

INSET A

PROJECT BEGIN
STA 10+91
N2739760.8302
E880518.8496

#2842
MAP 129 LOT 1073
N/F
KELLEY'S MARINE, INC.
DEED BOOK 46158 PAGE 251

AMES ISLAND RD

(ROUTE 28)
CRANBERRY HWY

(RTE 6) SANDWICH RD
(1925 STATE HWY ALERATION LAYOUT NO. 2313)
1917 SHLO 1777 BASELINE

1924 SHLO 2191 BASELINE

LOCATION LINE OF 1924 SHLO 2191 R=2,116.83' L=369.06'
Δ=9° 59' 21"
S68°51'14"E

LOCATION LINE OF 1925 SHLO 2313 196.13'
N64°45'04"W

CONST ℄

CROWN OF ROAD

+24.68 OFFSET: 12.97 MEET EX
+55.00 OFFSET: 0.00
+70.91 OFFSET: 14.01
+77.04 OFFSET: 20.79 MEET EX
+55.37 OFFSET: 8.82 MEET EX CROWN
+66.13 OFFSET: 45.99 MEET EX
+00.00 OFFSET: 34.92

PROP PERMANENT EASEMENT

#2844
MAP 129 LOT 1074
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF FISHERIES, WILDLIFE AND ENVIRONMENTAL LAW ENFORCEMENT
LC CERTIFICATE 64582
LC DOCUMENT 410556 (TAKING)
LC DOCUMENT 715880 (ORDER)
LC PLAN 38403-A

203
N: 2739701.765'
E: 880739.149'
EL: 18.069'
MTRV MAG SET

PC +55.04 OFFSET: 33.15
PC +51.71 OFFSET: 27.86
PC +44.51 OFFSET: 21.49
PC +29.42 OFFSET: 16.35
PC +89.46 OFFSET: 34.10
PC +94.07 OFFSET: 29.00
PC +93.02 OFFSET: 19.00
PC +01.04 OFFSET: 23.08
+00.00 OFFSET: 19.00
PROP TEMP EASEMENT
+00.00 OFFSET: 14.79
+50.00 OFFSET: 17.75
+93.02 OFFSET: 19.00
R=770.0' L=66.9'
R=21.9' L=6.3'
R=30.0' L=16.0'
R=550.0' L=205.2'
R=30.0' L=15.6'
R=1019.0' L=154.6'
PRC +15.59 OFFSET: 19.00
+50.00 OFFSET: 19.00
+00.00 OFFSET: 19.00
+56.56 OFFSET: 19.00
+00.00 OFFSET: 13.00
+50.00 OFFSET: 19.00
+50.00 OFFSET: 13.00
+56.56 OFFSET: 13.00
+50.00 OFFSET: 13.83
+00.00 OFFSET: 13.00
+93.02 OFFSET: 17.16
+50.00 OFFSET: 22.82
+00.00 OFFSET: 16.62
OFFSET: 5.21
OFFSET: 1.96
OFFSET: 2.00
OFFSET: 2.85
OFFSET: 3.32
OFFSET: 3.50
OFFSET: 3.50

13+31.38 ROUTE 6 & 28=
100+90.18 SHLO 1777

PC +01.09
Δ=10° 09' 21"
R=219.20'
L=73.29'

PT +56.56

LIMIT OF DISTURBANCE (TYP)

LIMIT OF HYDROGRAPHIC SURVEY

NORMAL POOL EL: 14.3
ORDINARY HIGH WATER

AGAWAM MILL POND
MAP 129 LOT 1161
AGAWAM MILL POND
OWNER UNKNOWN

PROPOSED NORMAL POOL EL: 14.3
PROPOSED ORDINARY HIGH WATER EL: 15.7

DEMOLISH EX CULVERT
CONSTRUCT PROP BRIDGE W-06-020 (CCV) & SPILLWAY (SEE BRIDGE PLANS FOR DETAILS)

#2845
MAP 129 LOT 1149
WAREHAM LAND TRUST, INC.
DEED BOOK 37870 PAGE 247

#2843
MAP 129 LOT 1148.B
N/F
LYNCH FAMILY LIVING TRUST
DEED BOOK 26889 PAGE 147
PLAN BOOK 3944 PLAN 191

MAP 129 LOT 1148.C
COMMONWEALTH OF MASSACHUSETTS
DEED BOOK 11494
PAGE 48
PLAN 699 OF 1992

PROP PERMANENT EASEMENT

OUTLINE OF PAVED AREA (SEE LANDSCAPE PLAN SHEET 19)
CAP ON WALL IS 3" THICK. BOTTOM OF CAP IS FINISHED GRADE
PROP S.H.L.O. ALT NO. 8953

AGAWAM RIVER

SEE INSET A

WAREHAM LAND TRUST, IN BOOK 37870 PAGE 247
#2848 CRANBERRY HWY

PROP PERMANENT EASEMENT

VEGETATED WETLAND

WOOD GUARDRAIL
CURB STOP (TYP)
CRUSHED STONE
EOP

PROP SHED
TC/BC: 14.00 (CURB DIES INTO GRADE
+00.00 OFFSET: 13.00

CURB (SLOPES FROM 6" REVEAL TO 0")
+50.00 OFFSET: 13.00
TW/TC: 12.50
BW/BC: 12.00

#2849
MAP 129 LOT 1150
WAREHAM B. P. O. ELKS, #1548
DEED BOOK 3061 PAGE 48
PLAN BOOK 1 PLAN 544
TW/TC: 12.50
BW/BC: 10.65

TW/TC: 12.50
BW/BC: 10.35

9.70 (PVMT)
9.60
9.79 (PVMT)
9.92
10.07 (PVMT)
9.76
9.91 (PVMT)
9.65
10.42
10.18
10.11
10.15
10.08
10.03

10.25
LEVEL

1.5%
5%
3%
1.1%
X 10.0

CONTINUED ON SHEET NO. 10

0 20 50 100
SCALE: 1" = 20'

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	10	125
PROJECT FILE NO.	606352		

CURB TIE & GRADING PLAN NO. 2

SURVEY TRAVERSE DATA					
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION	CONST B STA, OFFSET
205	17.131	2739532.324	881072.276	MTRV MAG SET	16+91.60, 15.73 RT
206	16.276	2739457.106	881228.872	MTRV MAG SET	18+65.32, 16.96 RT
210	16.141	2739444.952	881355.576	MTRV MAG SET	19+85.10, 26.09 LT
201	16.208	2739342.950	881473.070	MTRV MAG SET	21+34.88, 16.05 RT

ROUTE 6 & 28 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L1	15+56.56	2739604.149	880956.849		S64°45'04"E 413.04'	19+69.61	2739427.964	881330.432
L2	19+69.61	2739427.964	881330.432		S64°45'03"E 306.39'	22+76.00	2739297.270	881607.554

(RTE 6 & 28)
CRANBERRY HWY WESTBOUND
(1925 STATE HWY ALTERATION LAYOUT NO. 2313)

OLD GLEN CHARLIE RD
(PUBLIC - 1953 TOWN LAYOUT)

PROJECT END
STA 22+76
N2739297.2698
E881607.5536

#2850
MAP 129 LOT 1077
JAS REALTY, LLC
DEED BOOK 57925 PAGE 52

#2854
MAP 129 LOT 1076
JAS REALTY, LLC
DEED BOOK 58294 PAGE 52
PLAN 377 OF 2003
PLAN BOOK 36 PLAN 746

#2856
MAP 129 LOT 1075
2856 REALTY TRUST
DEED BOOK 56177 PAGE 182
PLAN BOOK 3556 PLAN 466

#2858
MAP 129 LOT 1093.A
TOWN OF WAREHAM
DEED BOOK 12544 PAGE 81

PROP TEMP EASEMENT
PROP S.H.L.O ALT NO. 8953
PROP PERMANENT EASEMENT
PROP TEMP EASEMENT
SEE INSET 'A'
LOCATION LINE OF 1917 SHLO 1777
LOCATION LINE OF 1925 SHLO 2313
LOCATION LINE OF 1979 SHLO 6314
1917 SHLO 1777 BASELINE
L1
L2
PI #69.61
CONST B
CROWN OF ROAD
MEET EX
LIMIT OF DISTURBANCE (TYP)
PROP PERMANENT EASEMENT
PROP TEMP EASEMENT
CONTINUED ON SHEET NO. 9

+64.33 19.27' LT EL. = 16.25
+85.89 19.37' LT EL. = 16.15
+25.00 OFFSET: 19.10
+29.73 OFFSET: 19.12
+58.42 12.98' RT EL. = 16.19
+87.79 12.89' RT EL. = 16.06
+14.24 19.49' LT EL. = 16.08
+09.60 OFFSET: 13.14
+25.00 OFFSET: 13.00
+25.00 OFFSET: 3.50
+58.58 OFFSET: 37.82
+62.39 OFFSET: 25.93
+67.85 OFFSET: 30.39
+71.76 OFFSET: 35.43
+77.24 47.31' LT EL. = 15.08
+54.97 OFFSET: 33.08
+52.91 OFFSET: 30.59
+48.83 OFFSET: 25.68
+24.53 47.59' LT EL. = 15.01
+27.23 41.81' LT EL. = 15.05
+35.14 30.96' LT EL. = 15.24
+39.10 27.79' LT EL. = 15.33
+63.22 21.66' LT EL. = 15.64
+59.21 OFFSET: 21.62
+52.99 OFFSET: 13.56
+51.16 21.62' LT EL. = 15.81
+33.26 13.55' RT EL. = 15.69

R=23.88' L=53.74'
R=128.56'15"
R=104.68' L=53.72'
=29° 24' 21"
R=30.0' L=30.3'
R=35.0' L=38.8'
R=2.5' L=6.1'

598.59'
603.14'
S49°14'E
245.45'
N69°23'53"E
S46°49'05"E
S83°45'35"E
133.86'
769.23'

0 20 50 100
SCALE: 1" = 20'

INSET 'A'
SCALE: 1"=10'

+84.06 OFFSET: 38.39
+75.84 OFFSET: 28.81
+69.19 OFFSET: 22.80
+57.99 OFFSET: 19.68
+63.03 OFFSET: 20.29
R=22.0' L=18.9'
+00.93 OFFSET: 29.02
+00.24 OFFSET: 30.75
+02.64 OFFSET: 32.96
R=6.0', L=9.4'
+11.12 OFFSET: 32.61
+12.80 OFFSET: 30.79
+12.07 OFFSET: 29.11
+12.37 OFFSET: 20.11
+00.34 OFFSET: 20.01
+00.30 OFFSET: 25.01
+12.33 OFFSET: 25.11
R=1.0', L=2.4'
R=1.0', L=2.3'
R=2.5', L=7.9'
4.0'
1.5%
+27.35 OFFSET: 38.95
+48.55 OFFSET: 36.38
+49.24 OFFSET: 25.19
+43.23 OFFSET: 22.54
R=3.5' L=8.5'
+81.90 OFFSET: 32.69
+81.92 OFFSET: 29.69
+16.01 OFFSET: 32.97
+16.03 OFFSET: 29.97
+14.82 OFFSET: 25.96
+14.86 OFFSET: 20.96
+83.24 OFFSET: 20.70
+83.26 OFFSET: 25.70
R=1.5', L=2.4'
R=1.5', L-2.4'
R=2.5', L=9.4'

ELM ST
PRIVATE WAY
(ASSUMED 33' WIDE)
(F.K.A. ELM STREET)
UNKNOWN OWNER

606352_HD(CURB TIE 2).DWG Plotted on 31-Jul-2026 12:50 PM

SEQUENCE OF UTILITY RELOCATIONS:

PHASE 1
1. TEMPORARILY RELOCATE SOUTHERN OVERHEAD UTILITIES TO THE EXISTING UTILITY POLES ON THE NORTH SIDE OF THE DAM.
2. INSTALL TEMPORARY GAS BYPASS AND UTILITY BRIDGE SOUTH OF THE DAM.
3. PERMANENTLY RELOCATE THE GAS AND WATER MAINS ACROSS THE PROPOSED SUPERSTRUCTURE.
4. AFTER CONSTRUCTION OF THE SOUTHERN PORTION OF THE STRUCTURE, RELOCATE OVERHEAD UTILITIES TO THE SOUTH SIDE OF THE ROADWAY TO THE PERMANENT OR TEMPORARY LOCATION AS SHOWN ON THE PLANS.

PHASE 6
1. PERMANENTLY RELOCATE OVERHEAD UTILITIES TO THEIR FINAL LOCATION ON THE SOUTH SIDE OF THE ROADWAY.

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	11	125
	PROJECT FILE NO. 606352		

DRAINAGE & UTILITY PLAN NO. 1

606352_HD\DRAINAGE 1).DWG Plotted on 31-Jul-2026 12:50 PM

CONTINUED ON SHEET NO. 12

NOTES:

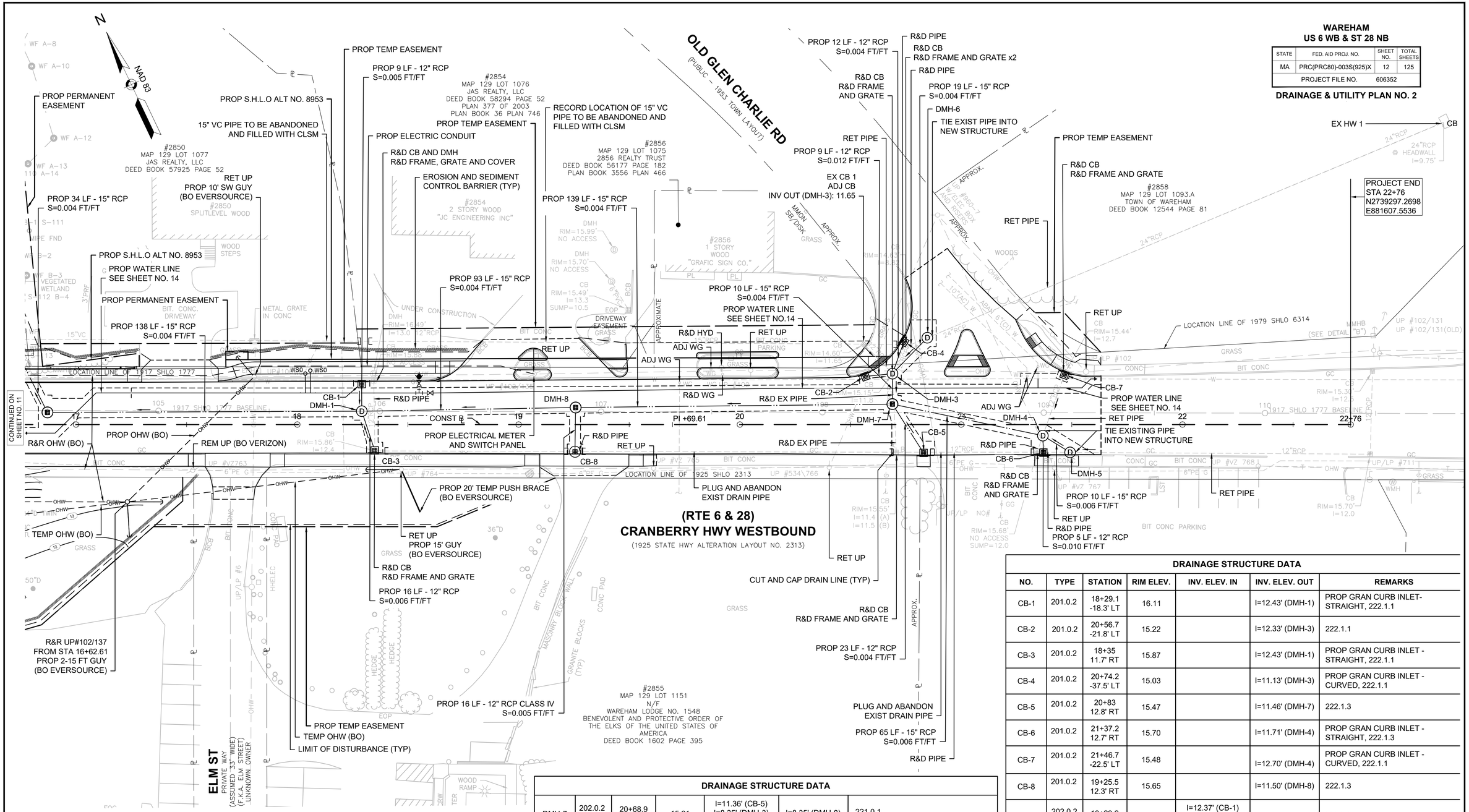
1. TEMPORARY UTILITY POLES AND OVERHEAD WIRES SHALL BE RELOCATED TO THE FINAL LOCATION SHOWN FOLLOWING PHASED CONSTRUCTION. REFER TO TEMPORARY TRAFFIC CONTROL PLANS AND BRIDGE CONSTRUCTION PHASING PLANS FOR CONSTRUCTION PHASING.
2. SEE "WATER MAIN RELOCATION PLAN NO. 1 AND NO. 2" FOR ALL CALLOUT AND NOTES RELATED TO THE PROPOSED WATER MAIN RELOCATION .
3. SEE "CURB TIE AND GRADING PLAN NO. 1" FOR STORMWATER TREATMENT UNIT GRADING.
4. SEE "DRAINAGE & UTILITY PLAN NO. 2" FOR INVERT TABLE.

0 20 50 100
SCALE: 1" = 20'

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	12	125
	PROJECT FILE NO. 606352		

DRAINAGE & UTILITY PLAN NO. 2



SEQUENCE OF UTILITY RELOCATIONS:

PHASE 1
1. TEMPORARILY RELOCATE SOUTHERN OVERHEAD UTILITIES TO THE EXISTING UTILITY POLES ON THE NORTH SIDE OF THE DAM.
2. INSTALL TEMPORARY GAS BYPASS AND UTILITY BRIDGE SOUTH OF THE DAM.
3. PERMANENTLY RELOCATE THE GAS AND WATER MAINS ACROSS THE PROPOSED SUPERSTRUCTURE.
4. AFTER CONSTRUCTION OF THE SOUTHERN PORTION OF THE STRUCTURE, RELOCATE OVERHEAD UTILITIES TO THE SOUTH SIDE OF THE ROADWAY TO THE PERMANENT OR TEMPORARY LOCATION AS SHOWN ON THE PLANS.

PHASE 6
1. PERMANENTLY RELOCATE OVERHEAD UTILITIES TO THEIR FINAL LOCATION ON THE SOUTH SIDE OF THE ROADWAY.

0 20 50 100
SCALE: 1" = 20'

DRAINAGE STRUCTURE DATA

NO.	TYPE	STATION	RIM ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
CB-1	201.0.2	18+29.1 -18.3' LT	16.11		I=12.43' (DMH-1)	PROP GRAN CURB INLET-STRAIGHT, 222.1.1
CB-2	201.0.2	20+56.7 -21.8' LT	15.22		I=12.33' (DMH-3)	222.1.1
CB-3	201.0.2	18+35 11.7' RT	15.87		I=12.43' (DMH-1)	PROP GRAN CURB INLET - STRAIGHT, 222.1.1
CB-4	201.0.2	20+74.2 -37.5' LT	15.03		I=11.13' (DMH-3)	PROP GRAN CURB INLET - CURVED, 222.1.1
CB-5	201.0.2	20+83 12.8' RT	15.47		I=11.46' (DMH-7)	222.1.3
CB-6	201.0.2	21+37.2 12.7' RT	15.70		I=11.71' (DMH-4)	PROP GRAN CURB INLET - STRAIGHT, 222.1.3
CB-7	201.0.2	21+46.7 -22.5' LT	15.48		I=12.70' (DMH-4)	PROP GRAN CURB INLET - CURVED, 222.1.1
CB-8	201.0.2	19+25.5 12.3' RT	15.65		I=11.50' (DMH-8)	222.1.3
DMH-1	202.0.2 (4' DIA)	18+29.2 -6.1' LT	16.22	I=12.37' (CB-1) I=12.32' (CB-3) I=7.38' (DMH-8)	I=7.38' (DMH-9)	221.0.1
DMH-3	202.0.2 (6' DIA)	20+69 -23.0' LT	15.15	I=12.18' (CB-2) I=8.41' (DMH-6) I=11.07' (CB-4) I=11.55' (EX CB 1)	I=8.41' (DMH-7)	221.0.1
DMH-4	202.0.2 (5' DIA)	21+36.9 5.0' RT	15.94	I=11.55' (DMH-5) I=11.63' (CB-6) I=12.50' (CB-7)	I=11.55' (DMH-7)	221.0.1
DMH-5	202.0.2 (4' DIA)	21+49.2 12.6' RT	15.79	I=11.75' (EX-CB)	I=11.63' (DMH-4)	221.0.1
DMH-6	202.0.2 (5' DIA)	20+84.7 -39.3' LT	15.07	I=8.50' (EX HW 1)	I=8.50' (DMH-3)	221.0.1
DMH-7	202.0.2 (6' DIA)	20+68.9 -9.2' LT	15.81	I=11.36' (CB-5) I=8.35' (DMH-3) I=11.15' (DMH-4)	I=8.35' (DMH-8)	221.0.1
DMH-8	202.0.2 (4' DIA)	19+25.8 -7.7' LT	16.04	I=7.77' (DMH-7) I=11.39' (CB-8)	I=7.77' (DMH-1)	221.0.1
DMH-9	202.0.2 (4' DIA)	16+87.1 -5.5' LT	17.05	I=6.80' (DMH-1)	I=6.80' (PROP DMH)	221.0.1
DMH-10	202.0.2 (4' DIA)	13+37.1 47.7' RT	14.50	I=10.34' (EX DMH)	I=10.34' (HW)	221.0.1

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	13	125
PROJECT FILE NO.	606352		

WATER MAIN RELOCATION PLAN NO. 1

606352_HD\WATER 1).DWG Plotted on 31-Jul-2026 12:51 PM

PROJECT BEGIN
STA 10+91
N2739760.8302
E880518.8496

NAD 83

AMES ISLAND RD

(ROUTE 28)
CRANBERRY HWY

(RTE 6) SANDWICH RD
(1925 STATE HWY ALERATION LAYOUT NO. 2313
SHLO 1777 BASELINE)

AGAWAM MILL POND

AGAWAM RIVER

PROP PERMANENT EASEMENT

MAP 129 LOT 1161
AGAWAM MILL POND
OWNER UNKNOWN

NORMAL POOL EL: 14.3

ORDINARY HIGH WATER

LIMIT OF DISTURBANCE (TYP)

PROP PERMANENT EASEMENT

PROP TEMP EASEMENT

LIMIT OF HYDROGRAPHIC SURVEY

#2844
MAP 129 LOT 1074
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF FISHERIES, WILDLIFE AND
ENVIRONMENTAL LAW ENFORCEMENT
LC CERTIFICATE 64582
LC DOCUMENT 410556 (TAKING)
LC DOCUMENT 715880 (ORDER)
LC PLAN 38403-A

#2842
MAP 129 LOT 1073
N/F
KELLEY'S MARINE, INC.
DEED BOOK 46158 PAGE 251

#2841
MAP 129 LOT 1148.A
N/F
LYNCH FAMILY LIVING TRUST
DEED BOOK 26889 PAGE 147
PLAN BOOK 3944 PLAN 191

#2843
MAP 129 LOT 1148.B
N/F
LYNCH FAMILY LIVING TRUST
DEED BOOK 26889 PAGE 147
PLAN BOOK 3944 PLAN 191

MAP 129 LOT 1148.C
COMMONWEALTH OF
MASSACHUSETTS
DEED BOOK 11494
PAGE 48
PLAN 699 OF 1992

#2845
MAP 129 LOT 1149
WAREHAM LAND TRUST, INC.
DEED BOOK 37870 PAGE 247

#2849
MAP 129 LOT 1150
WAREHAM B. P. O. ELKS, #1548
DEED BOOK 3061 PAGE 48
PLAN BOOK 1 PLAN 544

WAREHAM LAND TRUST, IN
BOOK 37870 PAGE 247
#2848 CRANBERRY HWY

12"X10" DI REDUCER
12"x12" DI TEE
12" GATE VALVE (CLOSE TO ABAN EX 10" CI WATER)
12"X10" DI REDUCER
CUT AND CAP EX 12" DI WATER MAIN TO ABAN EX 10"(CI)W IN PLACE
ABANDON EXIST WATER MAIN
12" DI WATER MAIN CROSSING UNDER EX 10" CI WATER MAIN (COVER PENDING TEST PIT)
12" DI WATER MAIN
PRC +93.02
12" GATE VALVE
CONST B
12" DI WATER MAIN UNDER EX 12" DRAIN (COVER PENDING TEST PIT)
CUT AND CONNECT TO EX 10" CI WATER WITH RESTRAINED TRANSITION COUPLING
12" GATE VALVE
2 - 45° DI BENDS
FIRE HYD ASSEMBLY
12" DI VERT BENDS
13+31.38 ROUTE 6 & 28=
100+90.18 SHLO 1777
STA 100+14.35 SHLO 1777 =
STA 332+59.82 SHLO 2191 (1924)
WATER SERVICE TO #2843
PROP PERMANENT EASEMENT
PROP S.H.L.O. ALT NO. 8953
PROP PERMANENT EASEMENT

81'
RESTRAIN ALL PUSH-ON JOINTS WITHIN THESE LIMITS

71'
INSULATED 12" DI WATER MAIN

54'
INSULATED 12" WATER MAIN SUPPORTED BY BRIDGE DECK. SEE "TRANSVERSE SECTION" ON SHEET98

12" GATE VALVE
22-1/2° 12" DI BEND
18' INSULATED 12" DI WATER MAIN
12" GATE VALVE
15' INSULATED 12" DI WATER MAIN
PT +56.56
22-1/2° 12" DI BEND
45° 12" DI BEND
45° 12" DI VERT BEND
INSULATED 12" DI WATER MAIN CROSSING OVER SPILLWAY (COVER PENDING TEST PIT)
45° 12" DI VERT BENDS
45° 12" DI VERT BENDS
INSULATED 12" DI WATER MAIN CROSSING OVER FISH LADDER (COVER PENDING TEST PIT)
45° 12" DI VERT BENDS

CONTINUED ON SHEET NO. 14

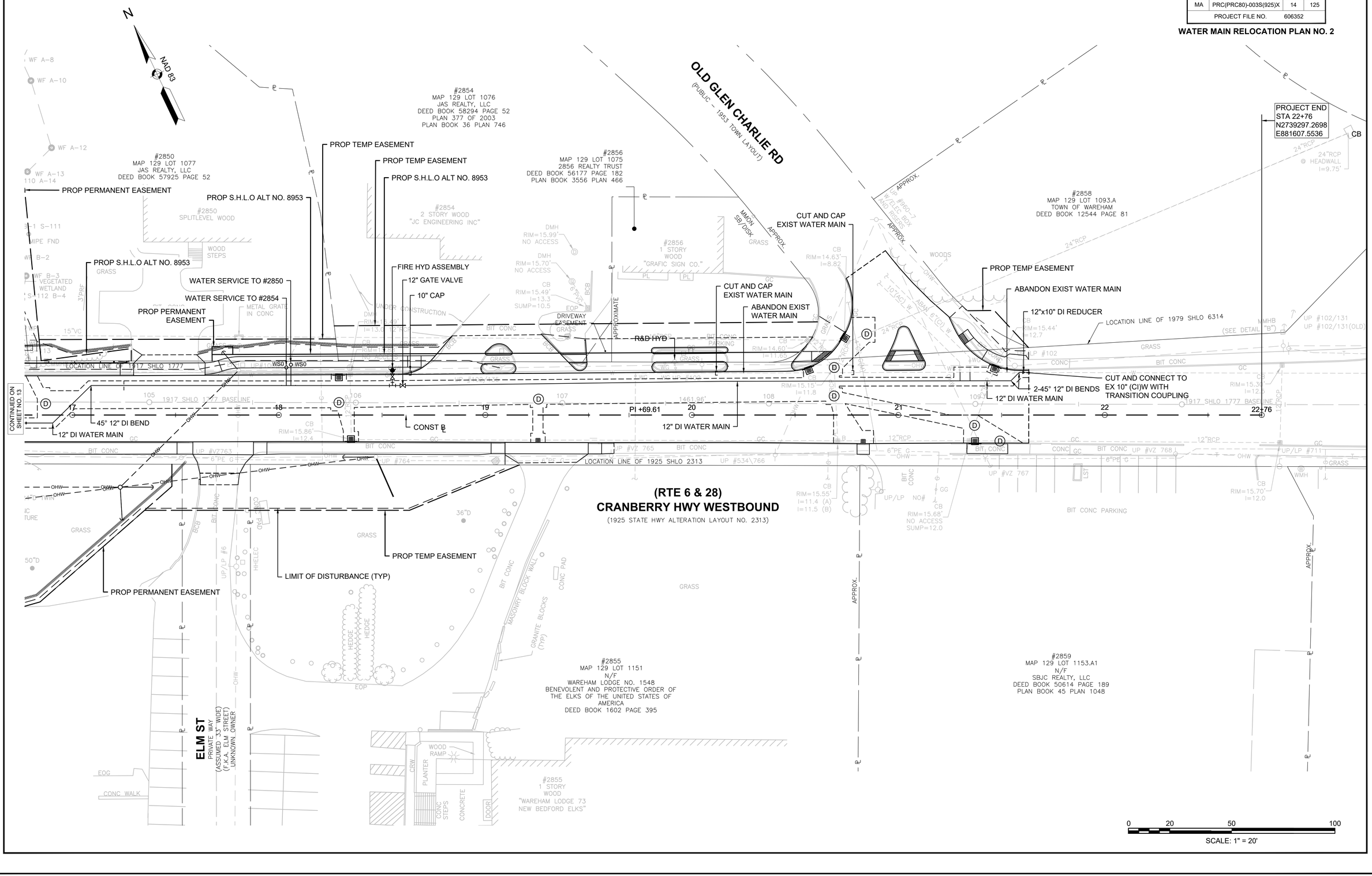
0 20 50 100
SCALE: 1" = 20'

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	14	125
	PROJECT FILE NO. 606352		

WATER MAIN RELOCATION PLAN NO. 2

606352_HD(WATER 2).DWG Plotted on 31-Jul-2026 12:51 PM



WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	15	125
PROJECT FILE NO.	606352		

TRAFFIC SIGN & PAVEMENT MARKING PLAN NO. 1

606352_HD(STRIPING 1).DWG Plotted on 31-Jul-2026 12:51 PM

PROJECT BEGIN
STA 10+91
N2739760.8302
E880518.8496

NAD 83

AMES ISLAND RD

(ROUTE 28)
CRANBERRY HWY

(RTE 6) SANDWICH RD
(1925 STATE HWY ALERATION LAYOUT NO. 2313)
1917 SHLO 1777 BASELINE

1924 SHLO 2191 BASELINE

#2842
MAP 129 LOT 1073
N/F
KELLEY'S MARINE, INC.
DEED BOOK 46158 PAGE 251

#2844
MAP 129 LOT 1074
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF FISHERIES, WILDLIFE AND
ENVIRONMENTAL LAW ENFORCEMENT
LC CERTIFICATE 64582
LC DOCUMENT 410556 (TAKING)
LC DOCUMENT 715880 (ORDER)
LC PLAN 38403-A

#2843
MAP 129 LOT 1148.B
N/F
LYNCH FAMILY LIVING TRUST
DEED BOOK 26889 PAGE 147
PLAN BOOK 3944 PLAN 191

#2841
MAP 129 LOT 1148.A
N/F
LYNCH FAMILY LIVING TRUST
DEED BOOK 26889 PAGE 147
PLAN BOOK 3944 PLAN 191

MAP 129 LOT 1148.C
COMMONWEALTH OF
MASSACHUSETTS
DEED BOOK 11494
PAGE 48
PLAN 699 OF 1992

#2845
MAP 129 LOT 1149
WAREHAM LAND TRUST, INC.
DEED BOOK 37870 PAGE 247

#2849
MAP 129 LOT 1150
WAREHAM B. P. O. ELKS, #1548
DEED BOOK 3061 PAGE 48
PLAN BOOK 1 PLAN 544

MAP 129 LOT 1161
AGAWAM MILL POND
OWNER UNKNOWN

AGAWAM MILL POND

AGAWAM RIVER

WAREHAM LAND TRUST, IN
BOOK 37870 PAGE 247
#2848 CRANBERRY HWY

PROP PERMANENT EASEMENT
LIMIT OF DISTURBANCE (TYP)
PROP TEMP EASEMENT
R&D SIGN AND POST
PROP PAVEMENT MARKING SYMBOL (TYP) (SEE DETAIL)
PROP R3-17
PROP R3-17bP
PROP POST
RET SIGN
PROP MA-R4-19
PROP POST
PROP R5-1b
PROP R9-3cP
R&D SIGN AND POST
PROP R1-5
PROP POST
PROP W11-2
PROP W16-7PL
PROP POST
RET SIGNS
R&D SIGN AND POST
PROP W11-2
PROP W16-7PR
PROP POST
PROP W16-7PL
MATCH EX PVMT MARKINGS (TYP)
PROP R1-5
PROP POST
PROP W11-2
PROP W16-7PR
PROP POST
PROP PERMANENT EASEMENT
R&D SIGN AND POST
R&S SIGN "TRAVEL PROHIBITED IN BREAKDOWN LANE"
R&D POST
R&D SIGN "45.6" AND POST
PROP "MA-D10-2b"
PROP POST
R&R SIGN "PEDESTRIAN CROSSING" AND POST
PROP W16-9P
R&D SIGNS (3) AND POST
PROP POST
PROP W11-2
PROP W16-9P
R&D SIGN (2) AND POST
PROP MA-D1-6
PROP MA-D1-5
PROP POST
PROP SHED
PROP S.H.L.O. ALT NO. 8953
PROP PERMANENT EASEMENT

NORMAL POOL EL: 14.3
ORDINARY HIGH WATER EL: 15.7
PROPOSED NORMAL POOL EL: 14.3
PROPOSED ORDINARY HIGH WATER EL: 15.7

+64.96
OFFSET: 11.00
+23.94
OFFSET: 11.00
+91.79
OFFSET: 11.00
PRC +93.02
CONST B.L. 4
PT +56.56 BWL

SWL (12")
WCGL
YGL
DWLEx
SWL
BWL
SYL
WGL
YL
11.00'
24.00'
12.77'
3.00'
5.00'
2.0'

CONTINUED ON SHEET NO. 16

0 20 50 100
SCALE: 1" = 20'

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	16	125
PROJECT FILE NO.	606352		

TRAFFIC SIGN & PAVEMENT MARKING PLAN NO. 2

606352_HD(STRIPING 2).DWG Plotted on 31-Jul-2026 12:52 PM

N
NAD 83

#2850
MAP 129 LOT 1077
JAS REALTY, LLC
DEED BOOK 57925 PAGE 52

#2854
MAP 129 LOT 1076
JAS REALTY, LLC
DEED BOOK 58294 PAGE 52
PLAN 377 OF 2003
PLAN BOOK 36 PLAN 746

#2856
MAP 129 LOT 1075
2856 REALTY TRUST
DEED BOOK 56177 PAGE 182
PLAN BOOK 3556 PLAN 466

#2858
MAP 129 LOT 1093.A
TOWN OF WAREHAM
DEED BOOK 12544 PAGE 81

OLD GLEN CHARLIE RD
(PUBLIC - 1953 TOWN LAYOUT)

#2850
SPLITLEVEL WOOD

#2854
2 STORY WOOD
"JC ENGINEERING INC"

#2856
1 STORY
WOOD
"GRAFIC SIGN CO."

PROJECT END
STA 22+76
N2739297.2698
E881607.5536

PROP R6-1
PROP R3-1
PROP POST

PROP MA-D1-6
PROP MA-D1-5
PROP POST

R&D SIGNS (2)
AND POST

R&D SIGN
AND POST

PROP S3-1
PROP POST

PROP POST
PROP R3-17aP
PROP R3-17

R&R SIGN
AND POST

PROP R1-1

PROP MA-D3-1
PROP 2 POSTS

R&D SIGN
AND POST

PROP POST
PROP W11-2
PROP W16-7PL

PROP POST
PROP W11-2
PROP W16-9P

150'

MATCH EX PVMT
MARKINGS (TYP)

SL
8' CW
8' CW

DWLEX
SWL
BWL
SYL
YGL

PI +69.61
+05.00

CONST ℄

RET SIGNS
PROP R6-2R
PROP POST
R&D SIGN

RET SIGN
R&D SIGN
PROP R6-2R
PROP POST

PROP R6-1R
PROP R3-2
PROP POST

R&D SIGN AND POST

PROP POST
PROP W11-2
PROP W16-7PR

PROP POST
PROP W11-2
PROP W16-9P

RET SIGN
R&D SIGN
AND POST

R&S SIGN
36"D

PROP TEMP EASEMENT

R&S SIGN "TRAVEL
PROHIBITED IN BREAKDOWN
LANE" AND POST

LIMIT OF DISTURBANCE (TYP)

PROP PERMANENT EASEMENT

(RTE 6 & 28)
CRANBERRY HWY WESTBOUND
(1925 STATE HWY ALTERATION LAYOUT NO. 2313)

ELM ST
PRIVATE WAY
(ASSUMED 33' WIDE)
(F.K.A. ELM STREET)
UNKNOWN OWNER

#2855
MAP 129 LOT 1151
N/F
WAREHAM LODGE NO. 1548
BENEVOLENT AND PROTECTIVE ORDER OF
THE ELKS OF THE UNITED STATES OF
AMERICA
DEED BOOK 1602 PAGE 395

#2855
1 STORY
WOOD
"WAREHAM LODGE 73
NEW BEDFORD ELKS"

#2859
MAP 129 LOT 1153.A1
N/F
SBJC REALTY, LLC
DEED BOOK 50614 PAGE 189
PLAN BOOK 45 PLAN 1048

CONTINUED ON SHEET NO. 15

0 20 50 100
SCALE: 1" = 20'

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	17	125
	PROJECT FILE NO. 606352		

TRAFFIC SIGN SUMMARY

TRAFFIC SIGN SUMMARY

IDENTI-FICATION NUMBER	SIZE OF SIGN (INCHES)		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA IN SQUARE FEET	TOTAL AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
MA-D10-2b	24	30	MILE 45 .6	6C (MILE) 6D (MILE NUMBERS)	2"	N/A	1	GREEN	WHITE	WHITE	P5, 1	5.0	5.0
MA-D3-1	66	12	Old Glen Charlie Rd	6C (PRIMARY STREET NAME) 4C (SUFFIX) (MIN)	N/A	N/A	2	GREEN	WHITE	WHITE	P5, 2	5.5	11.0
MA-D1-6	60	66	6 WEST Marion Wareham LEFT LANE	7C AND 6C (CARDINAL DIRECTION) 8C (DESTINATIONS) 6C (LANE DESIGNATION)	4"	N/A	2	GREEN/ YELLOW	WHITE/ BLACK	WHITE	D6-5, 2	27.5	55.0
MA-D1-5	66	72	NORTH WEST 28 WEST 195 Middleboro RIGHT LANE	7C AND 6C (CARDINAL DIRECTION) 8C (DESTINATIONS) 6C (LANE DESIGNATION)	4"	N/A	2	GREEN/ YELLOW	WHITE/ BLACK/ BLUE/RED	WHITE	WITH MA-D1-6	33.0	66.0
R1-1	30	30	STOP	SEE MUTCD			1	RED	WHITE	WHITE	WITH D3-1	6.3	6.3
R3-1	24	24					1	RED	WHITE	WHITE	P5,1	4.0	4.0
R3-2	24	24					1	WHITE	BLACK/ RED	BLACK	P5,1	4.0	4.0
R3-17	24	18	BIKE LANE				2	BLACK /WHITE	BLACK	BLACK	P5, 2	3.0	6.0
R3-17aP	24	8	AHEAD				1	WHITE	BLACK	BLACK	MOUNTED W/ R3-17	1.3	1.3
R3-17bP	24	8	ENDS				1	WHITE	BLACK	BLACK	MOUNTED W/ R3-17	1.3	1.3
R6-1R	36	12	ONE WAY				1	BLACK	WHITE	WHITE	WITH R3-2	3.0	3.0

TRAFFIC SIGN SUMMARY

IDENTI-FICATION NUMBER	SIZE OF SIGN (INCHES)		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA IN SQUARE FEET	TOTAL AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER			
MA-R4-19	30	30	4 FT MIN CLEARANCE TO PASS	4C	2.5"	N/A	1	WHITE	BLACK	BLACK	P5,1	6.25	6.25
R6-2R	30	36	ONE WAY	SEE MUTCD			2	WHITE	BLACK	BLACK	P5, 2	7.5	15.0
R5-1b	12	18	WRONG WAY				1	RED	WHITE	WHITE	P5, 1	1.5	1.5
R9-3cP	12	12	RIDE WITH TRAFFIC				1	WHITE	BLACK	BLACK	MOUNTED W/ R5-1b	1.0	1.0
S3-1	36	36	SCHOOL BUS STOP AHEAD				1	FLUOR. YELLOW GREEN	BLACK	BLACK	P5, 1	9.0	9.0
W11-2	36	36					8	FLUOR. YELLOW GREEN	BLACK	BLACK	P5, 8	9.0	72.0
W16-7PL	24	12					3	FLUOR. YELLOW GREEN	BLACK	BLACK	MOUNTED W/ W11-2	2.0	6.0
W16-7PR	24	12					3	FLUOR. YELLOW GREEN	BLACK	BLACK	MOUNTED W/ W11-2	2.0	6.0
W 16-9P	24	12	AHEAD				4	FLUOR. YELLOW GREEN	BLACK	BLACK	MOUNTED W/ W11-2	2.0	8.0
R1-5	36	36	HERE TO				2	WHITE	BLACK/ RED	BLACK	P5, 2	9.0	18.0
TOTAL AREA OF SIGNS (SQUARE FEET)													305.7

NOTES:

1. SEE MUTCD 2023 EDITION, 2004 STD. HWY. SIGNS (INCLUDING ALL REVISIONS AND SUPPLEMENTS), SECTION M9.30.0 OF THE MASSDOT STANDARD SPECIFICATION FOR RETROFLECTIVE SHEETING, AND MASSDOT STANDARD SIGN BOOK FOR MASSDOT STANDARD SIGNS (TYPE MA- SIGNS).
2. SIGN ASSEMBLIES OVER 10 SQUARE FEET OR ANY STREET NAME SIGN GREATER THAN 36" SHALL BE MOUNTED ON TWO P5 POSTS.
3. STREET NAME SIGNS SHALL BE PRINTED ONE SIDE (POS) AND MOUNTED BACK-TO-BACK, WITH BOLTS THROUGH THE SIGN FACE AND POST. SIGNS SHALL NOT BE CAP-MOUNTED.

606352_HD(SIGN SUMMARY).DWG Plotted on 31-Jul-2026 12:52 PM

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	18	125
PROJECT FILE NO.	606352		

WETLAND IMPACT PLAN

606352_HD\WETLAND IMPACT).DWG Plotted on 31-Jul-2026 12:52 PM

N
NAD 83

CONTINUED BOTTOM RIGHT

PROP TEMP COFFERDAM FOR PHASE 1 AND 2

PROP C.O.W. FOR RIPRAP INSTALLATION

MAP 129 LOT 1161
AGAWAM MILL POND
OWNER UNKNOWN

AGAWAM MILL POND

PROPOSED NORMAL POOL EL: 14.3

PROPOSED ORDINARY HIGH WATER EL: 15.7

NORMAL POOL EL: 14.3

ORDINARY HIGH WATER EL: 15.7

SECANT WALL FOR TEMPORARY SOE AND CONTROL OF WATER (TYP)

TEMPORARY WOTUS IMPACT 1607 SF

PERMANENT WOTUS IMPACT 11526 SF

LOSS OF WOTUS 1,789 SF

LOSS OF WOTUS 469 SF

CONTROL OF WATER FOR PHASES 3-5

TEMPORARY WOTUS IMPACT 2722 SF

WAREHAM LAND TRUST, IN
BOOK 37870 PAGE 247
#2848 CRANBERRY HWY

PERMANENT WOTUS IMPACT 1,491 SF

PROP SECANT WALL

PRC +93.02

44+93.02

PT +56.56

REPLACEMENT WOTUS 2639 SF

LOSS OF WOTUS 1238 SF

PROP SECANT WALL

(RTE 6 & 28)
CRANBERRY HWY WESTBOUND
(1925 STATE HWY ALTERATION LAYOUT NO. 23)

LOCATION LINE OF 1925 SHWY 23

X 10.0

HTL EL. 3.39
MHW EL. 1.9
MLW EL. -2.07

13+31.38 ROUTE 6 & 28=
100+90.18 SHLO 1777

AGAWAM RIVER

PROP TEMP SHORING/ C.O.W. PHASE 1

LOSS OF WOTUS 2618 SF

TEMP SHORING FOR PHASE 3-5

#2849
MAP 129 LOT 1150
WAREHAM B. P. O. ELKS, #1548
DEED BOOK 3061 PAGE 48
PLAN BOOK 1 PLAN 544

REPLACEMENT WOTUS 1447 SF

MAP 129 LOT 1148.C
COMMONWEALTH OF MASSACHUSETTS
DEED BOOK 11494
PAGE 48
PLAN 699 OF 1992

#2845
MAP 129 LOT 149
WAREHAM LAND TRUST, INC.
DEED BOOK 37870 PAGE 247

EROSION AND SEDIMENT CONTROL BARRIER (TYP)

CONTROL OF WATER PHASE 3

PERMANENT WOTUS IMPACT 4297 SF

LIMIT OF STREAMBED RESTORATION PLAN

TEMPORARY WOTUS IMPACT 446 SF

#10 OLD GLEN CHARLIE ROAD
MAP 129 LOT 1162
TOWN OF WAREHAM

#6-8 OLD GLEN CHARLIE ROAD
MAP 129 LOT RA
ERIN K. MACLURE
DEED BOOK 50537 PAGE 166
PLAN BOOK 11 PLAN 1115

#2848
MAP 129 LOT 1078
WAREHAM LAND TRUST, INC.
DEED BOOK 37870 PAGE 247

TEMPORARY WOTUS IMPACT 2722 SF

CONTINUED TOP LEFT

WATERS OF THE UNITED STATES (WOTUS) IMPACT SUMMARY TABLE

RESOURCE AREA	TEMPORARY IMPACTS (S.F.)	PERMANENT IMPACTS* (S.F.)	IMPACT TOTALS (S.F.)	LOSS OF WOTUS*** (S.F.)	REPLACEMENT WOTUS* (S.F.)	TOTAL (S.F.)
UPSTREAM OF DAM**	4,328	13,017	17,345	3,496	2,639	857
DOWNSTREAM OF DAM	446	4,297	4,743	2,618	1,447	1,172
		TOTAL IMPACTS TO WOTUS (S.F.)	22,088		TOTAL LOSS OF WOTUS (S.F.)	2,029

0 20 50 100
SCALE: 1" = 20'

LEGEND

- EXISTING TREE TO REMAIN
- DECIDUOUS SHADE TREE
- MULTISTEM TREE
- EVERGREEN TREE
- SHRUBS
- LAWN SEED
- MID-HEIGHT GRASSLAND SEED MIX
- ROADSIDE RIVERBANK SEED MIX
- COMPOST FILTER TUBE
- GRAVEL SURFACING
- CEMENT CONCRETE PAVING
- SALVAGED GRANITE PLANK PAVING
- BENCH WITH BACK
- SALVAGED GRANITE WALL OR GRANITE PIER
- SALVAGED GRANITE CURB
- WOOD GUARDRAIL
- METAL PICKET FENCE
- INTERPRETIVE SIGN

GENERAL SHEET NOTES:

1. FOR LANDSCAPE NOTES, REFER TO SHEET 20.
2. FOR LANDSCAPE DETAILS, REFER TO SHEETS 22-24.

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	19	125
PROJECT FILE NO.	606352		

LANDSCAPE PLAN NO. 1

MASTER PLANT LIST

SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
DECIDUOUS SHADE TREES						
AR	2	Acer rubrum	Red Maple	2-2.5" cal.	B&B	
CO	3	Celtis occidentalis	Hackberry	1.5-2" cal.	B&B	
NS	2	Nyssa sylvatica	Black Gum	1.5-2" cal.	B&B	
QB	5	Quercus bicolor	Swamp White Oak	1.5-2" cal.	B&B	Spring Planting
MULTISTEM TREES						
BP	1	Betula populifolia	Gray Birch	5'-6' ht.	B&B	Multi-stem
EVERGREEN TREES						
JV	2	Juniperus virginiana	Eastern Red Cedar	3'-4' ht.	B&B	
SHRUBS						
AM	10	Aronia melanocarpa	Black Chokeberry	18"-24" HT.	CONT.	
CE	2	Cephalanthus occidentalis	Buttonbush	2'-2.5' HT.	CONT.	
GB	15	Gaylussacia baccata	Black Huckleberry	18"-24" HT.	CONT.	
LB	3	Lindera benzoin	Spicebush	2'-2.5' HT.	CONT.	
MP	10	Myrica pensylvanica	Northern Bayberry	2'-2.5' HT.	CONT.	
NATIVE SEED MIXES						
MIX ID		**MIX NAME**	**LOCATION**	**COMMENTS**		
765.421		Mid-Height Grassland Mix	Meadow Areas	18 lbs PLS/acre		
765.442		Roadside Riverbank Mix	Bioretention Basin & Modified Rock Fill	15 lbs PLS/acre		

NATIVE SEED MIX NOTES:

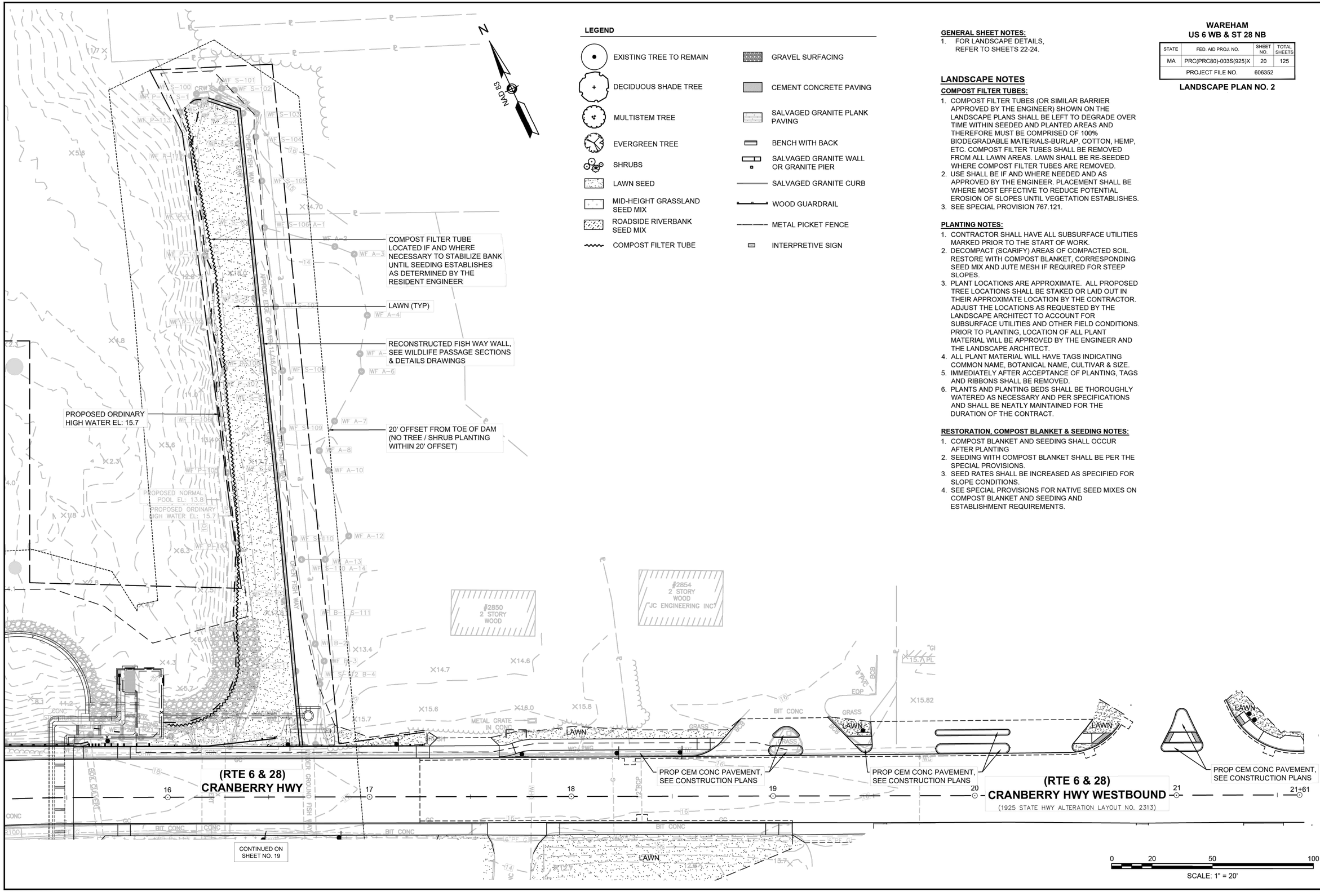
BOTH NATIVE SEED MIXES LISTED ABOVE SHALL RECEIVE COMPOST BLANKET (ITEM 751.7).

NOTE:
INSTALL 3" DEPTH AGED PINE BARK MULCH SAUCER AT THE BASE OF ALL SHRUBS TO THE EXTENT OF EXCAVATION FOR PLANTING. TREES TO RECEIVE MULCH SAUCER PER THE DETAIL. NATIVE SEED MIXES SHALL BE APPLIED WITH COMPOST BLANKET IN ALL DISTURBED AREAS WHERE BARK MULCH IS NOT PROPOSED.

NOTE:
SEE ENLARGEMENT 1 ON SHEET 21 (LANDSCAPE ENLARGEMENT PLANS) FOR LAYOUT OF LANDSCAPE PAVEMENTS AND SITE FURNISHINGS.

SCALE: 1" = 20'

606352_HD(LANDSCAPE 1).DWG Plotted on 31-Jul-2026 12:52 PM



LEGEND

- EXISTING TREE TO REMAIN
- DECIDUOUS SHADE TREE
- MULTISTEM TREE
- EVERGREEN TREE
- SHRUBS
- LAWN SEED
- MID-HEIGHT GRASSLAND SEED MIX
- ROADSIDE RIVERBANK SEED MIX
- COMPOST FILTER TUBE
- GRAVEL SURFACING
- CEMENT CONCRETE PAVING
- SALVAGED GRANITE PLANK PAVING
- BENCH WITH BACK
- SALVAGED GRANITE WALL OR GRANITE PIER
- SALVAGED GRANITE CURB
- WOOD GUARDRAIL
- METAL PICKET FENCE
- INTERPRETIVE SIGN

GENERAL SHEET NOTES:

1. FOR LANDSCAPE DETAILS, REFER TO SHEETS 22-24.

LANDSCAPE NOTES

COMPOST FILTER TUBES:

1. COMPOST FILTER TUBES (OR SIMILAR BARRIER APPROVED BY THE ENGINEER) SHOWN ON THE LANDSCAPE PLANS SHALL BE LEFT TO DEGRADE OVER TIME WITHIN SEEDED AND PLANTED AREAS AND THEREFORE MUST BE COMPRISED OF 100% BIODEGRADABLE MATERIALS-BURLAP, COTTON, HEMP, ETC. COMPOST FILTER TUBES SHALL BE REMOVED FROM ALL LAWN AREAS. LAWN SHALL BE RE-SEEDED WHERE COMPOST FILTER TUBES ARE REMOVED.
2. USE SHALL BE IF AND WHERE NEEDED AND AS APPROVED BY THE ENGINEER. PLACEMENT SHALL BE WHERE MOST EFFECTIVE TO REDUCE POTENTIAL EROSION OF SLOPES UNTIL VEGETATION ESTABLISHES.
3. SEE SPECIAL PROVISION 767.121.

PLANTING NOTES:

1. CONTRACTOR SHALL HAVE ALL SUBSURFACE UTILITIES MARKED PRIOR TO THE START OF WORK.
2. DECOMPACT (SCARIFY) AREAS OF COMPACTED SOIL. RESTORE WITH COMPOST BLANKET, CORRESPONDING SEED MIX AND JUTE MESH IF REQUIRED FOR STEEP SLOPES.
3. PLANT LOCATIONS ARE APPROXIMATE. ALL PROPOSED TREE LOCATIONS SHALL BE STAKED OR LAID OUT IN THEIR APPROXIMATE LOCATION BY THE CONTRACTOR. ADJUST THE LOCATIONS AS REQUESTED BY THE LANDSCAPE ARCHITECT TO ACCOUNT FOR SUBSURFACE UTILITIES AND OTHER FIELD CONDITIONS. PRIOR TO PLANTING, LOCATION OF ALL PLANT MATERIAL WILL BE APPROVED BY THE ENGINEER AND THE LANDSCAPE ARCHITECT.
4. ALL PLANT MATERIAL WILL HAVE TAGS INDICATING COMMON NAME, BOTANICAL NAME, CULTIVAR & SIZE.
5. IMMEDIATELY AFTER ACCEPTANCE OF PLANTING, TAGS AND RIBBONS SHALL BE REMOVED.
6. PLANTS AND PLANTING BEDS SHALL BE THOROUGHLY WATERED AS NECESSARY AND PER SPECIFICATIONS AND SHALL BE NEATLY MAINTAINED FOR THE DURATION OF THE CONTRACT.

RESTORATION, COMPOST BLANKET & SEEDING NOTES:

1. COMPOST BLANKET AND SEEDING SHALL OCCUR AFTER PLANTING
2. SEEDING WITH COMPOST BLANKET SHALL BE PER THE SPECIAL PROVISIONS.
3. SEED RATES SHALL BE INCREASED AS SPECIFIED FOR SLOPE CONDITIONS.
4. SEE SPECIAL PROVISIONS FOR NATIVE SEED MIXES ON COMPOST BLANKET AND SEEDING AND ESTABLISHMENT REQUIREMENTS.

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	20	125
PROJECT FILE NO.	606352		

LANDSCAPE PLAN NO. 2

606352_HD(LANDSCAPE 2).DWG Plotted on 31-Jul-2026 12:53 PM

GENERAL SHEET NOTES:

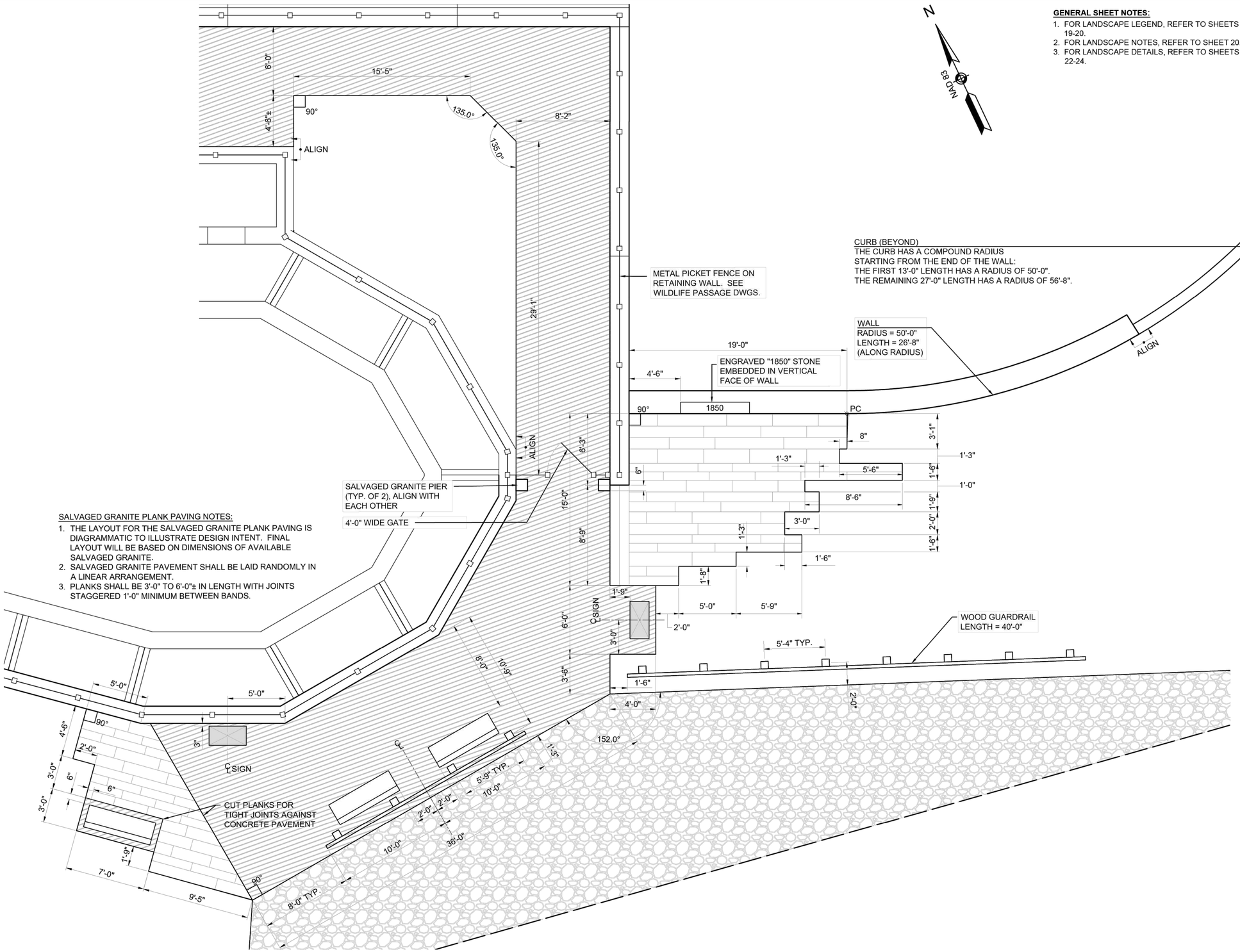
1. FOR LANDSCAPE LEGEND, REFER TO SHEETS 19-20.
2. FOR LANDSCAPE NOTES, REFER TO SHEET 20.
3. FOR LANDSCAPE DETAILS, REFER TO SHEETS 22-24.

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	21	125
PROJECT FILE NO.	606352		

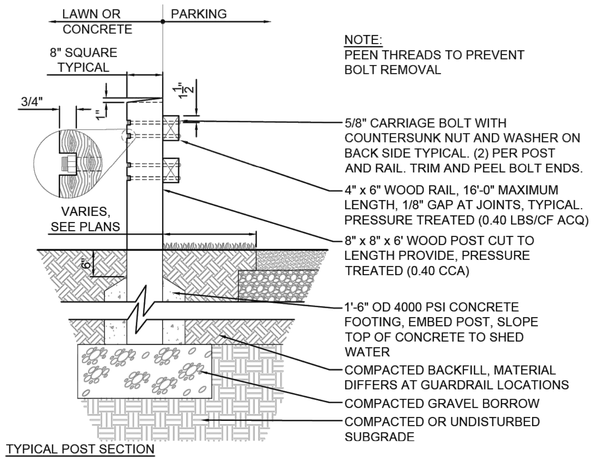
LANDSCAPE PLAN NO. 3

606352_HDLANDSCAPE DTLS).DWG Plotted on 31-Jul-2026 12:53 PM

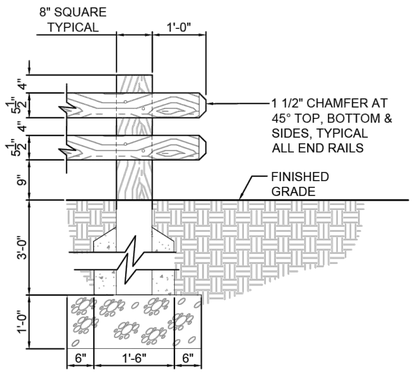


2 FISH LADDER OBSERVATION AREA LAYOUT ENLARGEMENT PLAN

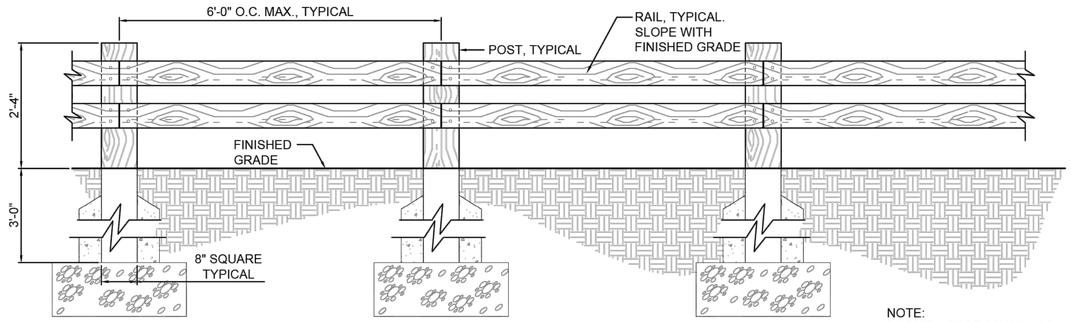
0 4 8 12 16
SCALE: 1/4" = 1'-0"



TYPICAL POST SECTION



TYPICAL RAILING END

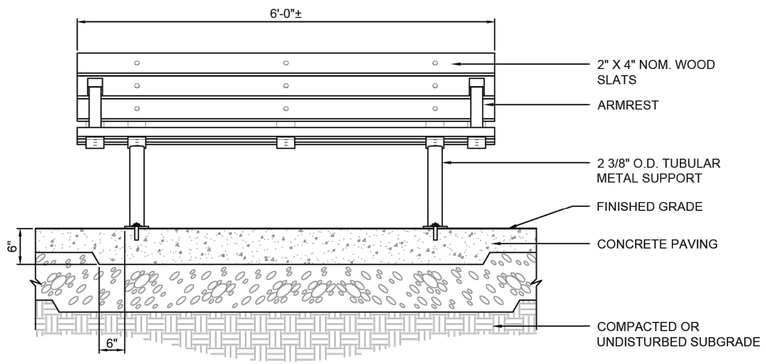


TYPICAL RAILING ELEVATION

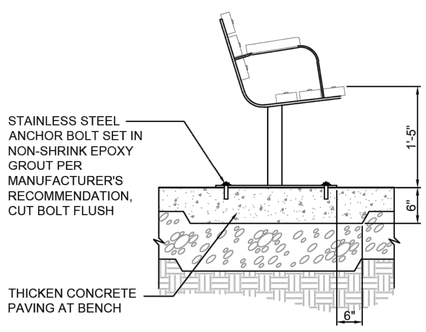
NOTE:
PROVIDE SHOP DRAWINGS

WOOD GUARDRAIL

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



ELEVATION



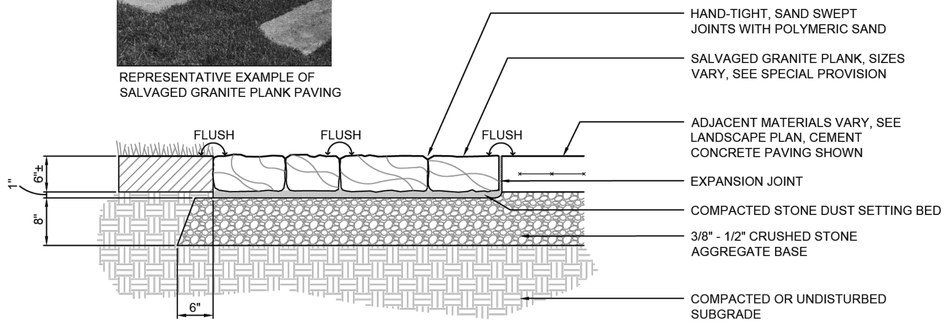
SECTION

BENCH WITH BACK

SCALE: 1" = 1'-0"

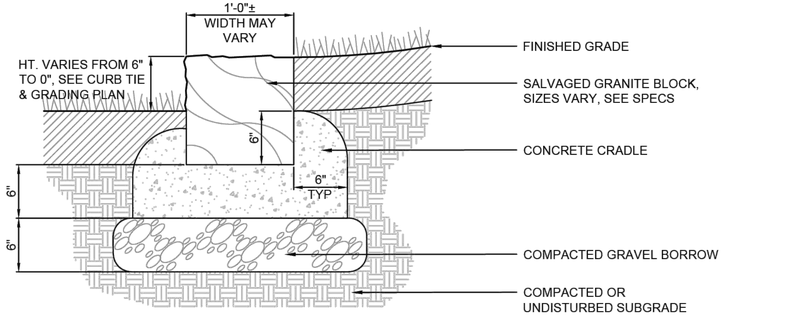


REPRESENTATIVE EXAMPLE OF SALVAGED GRANITE PLANK PAVING



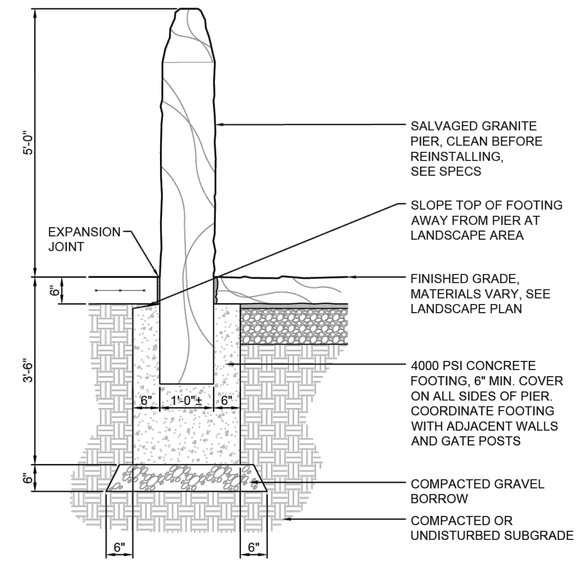
SALVAGED GRANITE PLANK PAVING

SCALE: 1" = 1'-0"



SALVAGED GRANITE LANDSCAPE CURB

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





EXISTING GRANITE PIERS TO BE SALVAGED

SALVAGED GRANITE PIER

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

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	22	125
	PROJECT FILE NO. 606352		

LANDSCAPE DETAILS NO. 1

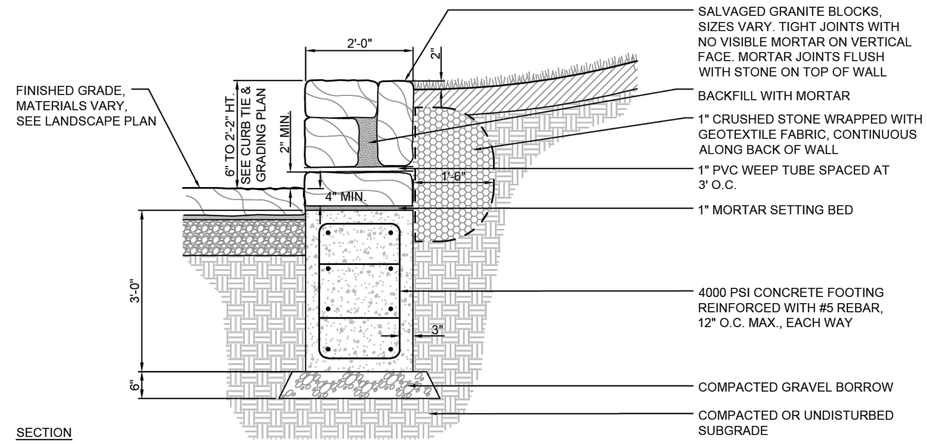
606352_HDLANDSCAPE DTLS).DWG Plotted on 31-Jul-2026 12:53 PM

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	23	125
PROJECT FILE NO.	606352		

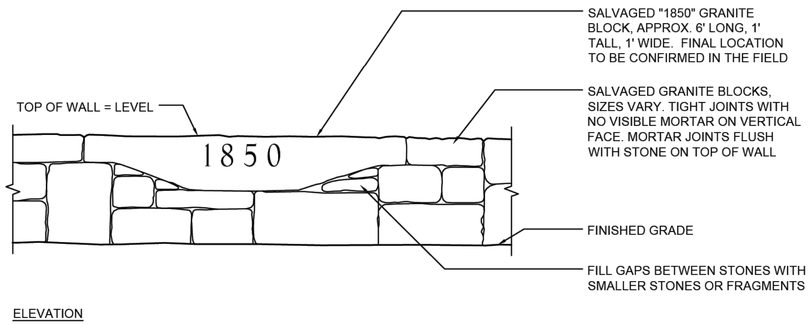
LANDSCAPE DETAILS NO. 2

606352_HDLANDSCAPE DTLS).DWG Plotted on 31-Jul-2026 12:53 PM



SECTION

NOTES:
1. STONE PATTERN SHALL BE IRREGULAR WITH MIXED STONE SIZES.
2. CLEAN ALL SALVAGED STONE PRIOR TO REUSE.
3. CONSTRUCT WALL MOCKUP, 2' TALL X 2' WIDE X 6' LONG FOR APPROVAL BY LANDSCAPE ARCHITECT.



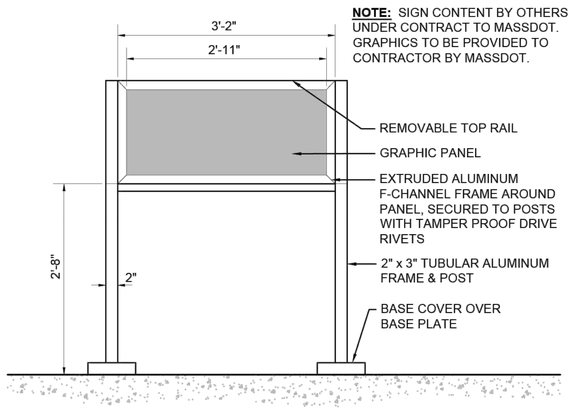
ELEVATION



EXISTING "1850" GRANITE BLOCK TO BE SALVAGED

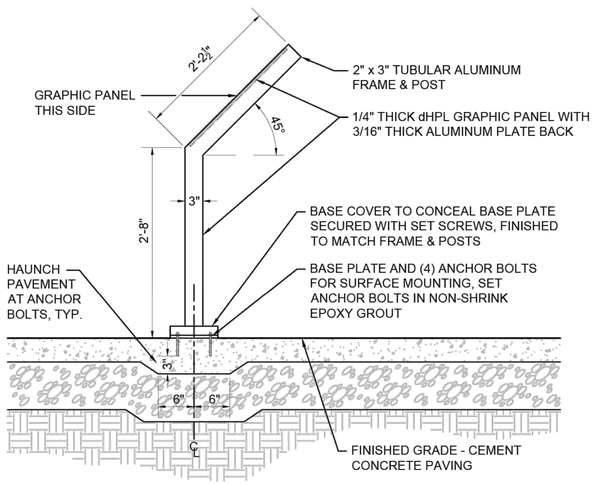
SALVAGED GRANITE BLOCK WALL

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



NOTE: SIGN CONTENT BY OTHERS UNDER CONTRACT TO MASSDOT. GRAPHICS TO BE PROVIDED TO CONTRACTOR BY MASSDOT.

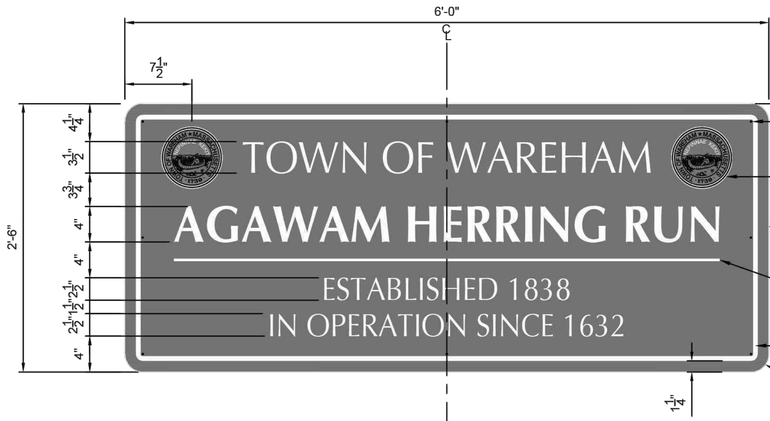
ELEVATION - FRONT VIEW



SECTION

INTERPRETIVE SIGN

SCALE: 1"=1'-0"

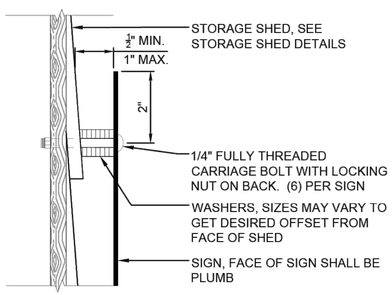


NOTES:
1. GRAPHICS TO BE PROVIDED TO THE CONTRACTOR BY THE LANDSCAPE ARCHITECT.
2. PROVIDE FULL SHOP DRAWINGS FOR APPROVAL.

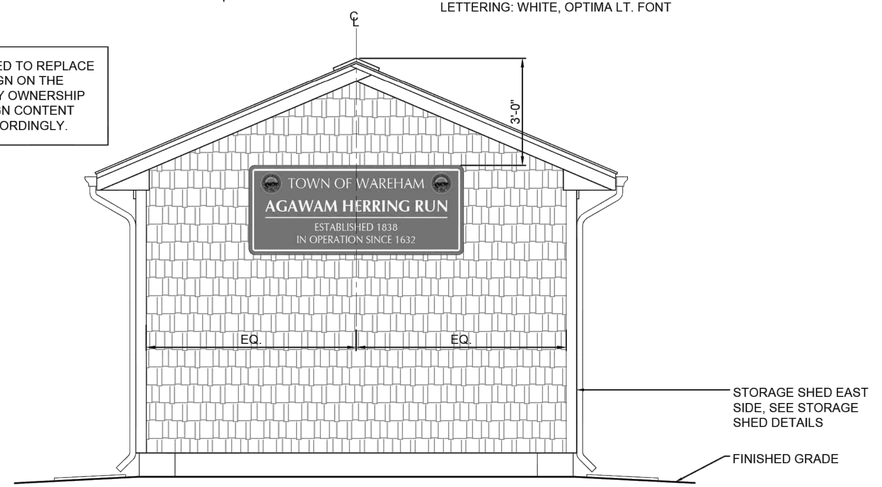
SIGN COLORS:
BACKGROUND: LIGHT BLUE
BORDER: WHITE
LETTERING: WHITE, OPTIMA LT. FONT

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

NOTE: THIS IS INTENDED TO REPLACE AN EXISTING TOWN SIGN ON THE SITE. IF THE PROPERTY OWNERSHIP WILL CHANGE, THE SIGN CONTENT MAY BE MODIFIED ACCORDINGLY.



SIGN MOUNTING
SCALE: 6"=1'-0"



SIGN PLACEMENT ELEVATION
SCALE: 1/2" = 1'-0"

SIGN ON STORAGE SHED

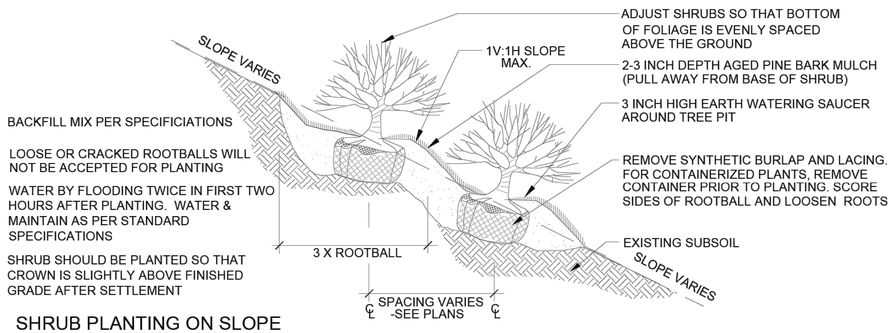
SCALE: AS NOTED

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	24	125
	PROJECT FILE NO. 606352		

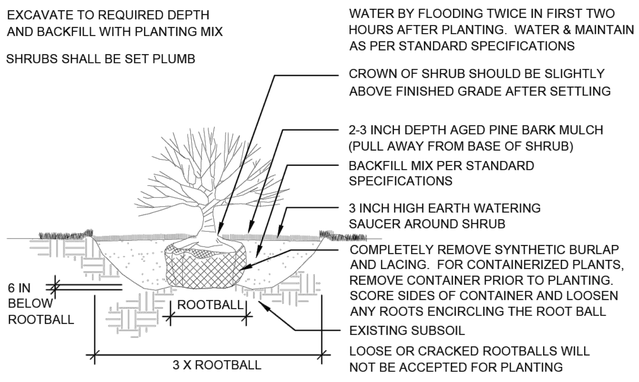
LANDSCAPE DETAILS NO. 3

606352_HDLANDSCAPE DTLS).DWG Plotted on 31-Jul-2026 12:53 PM



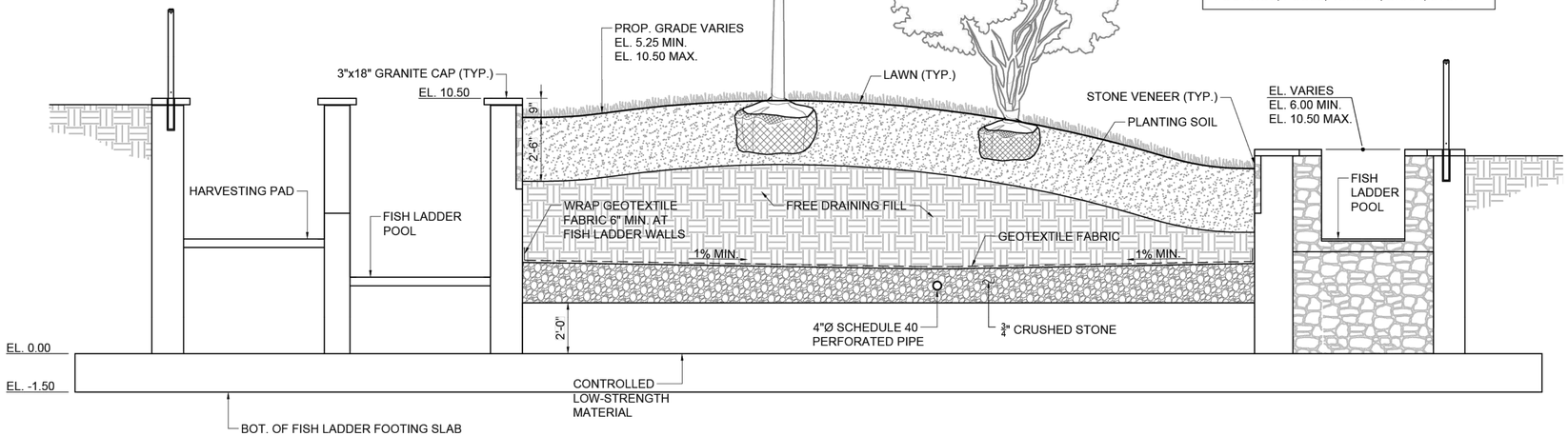
SHRUB PLANTING ON SLOPE

NOT TO SCALE



SHRUB PLANTING

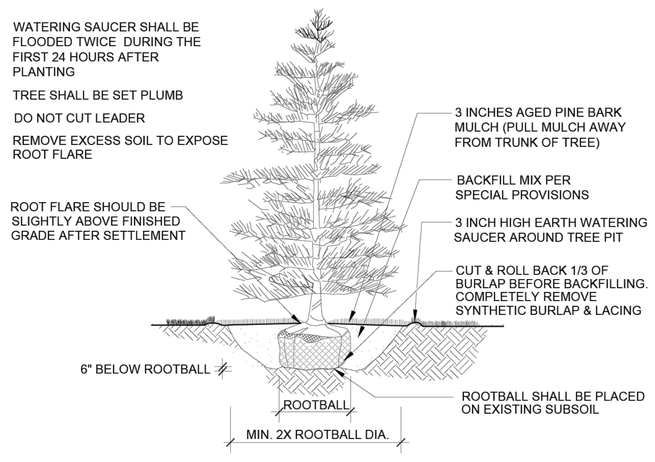
NOT TO SCALE



NOTE: THIS DETAIL ILLUSTRATES THE PROPOSED PLANTING AREA IN THE FISH LADDER. REFER TO FISH LADDER DRAWINGS FOR DETAILING OF WALLS, CAPS, FENCING, FOOTINGS, POOLS, VENEER, DRAIN, ETC.

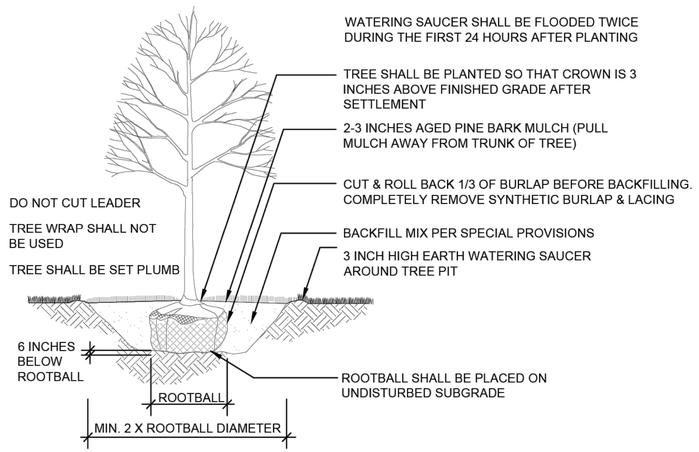
FISH LADDER PLANTING SECTION

SCALE: 3/8" = 1'-0"



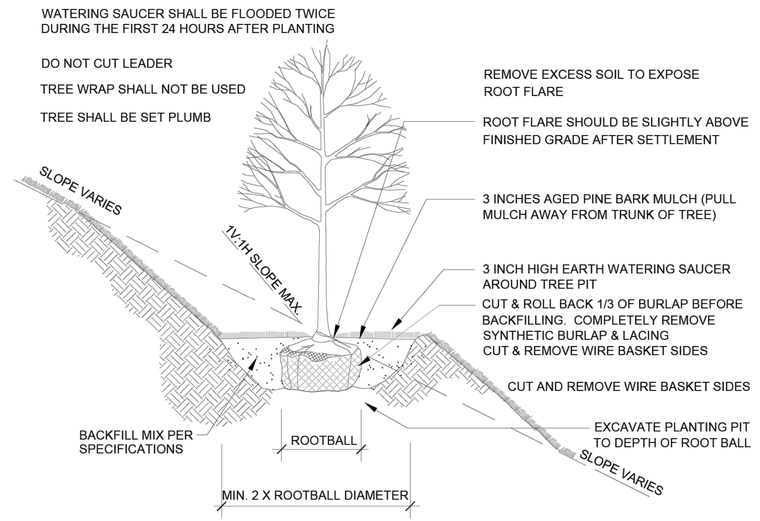
EVERGREEN TREE PLANTING

NOT TO SCALE



DECIDUOUS TREE PLANTING

NOT TO SCALE



DECIDUOUS TREE PLANTING ON SLOPE

NOT TO SCALE

TEMPORARY TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN (INCHES)		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR			UNIT AREA IN SQUARE FEET	TOTAL AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND	BORDER		
MA-R2-10a	48	36	WORK ZONE SPEEDING FINES DOUBLED	SEE MASSDOT STANDARD SIGN BOOK			4	FLUOR. ORANGE/ WHITE	BLACK	BLACK	12.0	48.0
MA-R2-10e	36	48	END ROAD WORK DOUBLE FINES END				2	FLUOR. ORANGE/ WHITE	BLACK	BLACK	12.0	24.0
MA-W24-2	36	36	LANE SHIFT AHEAD				4	FLUOR. ORANGE	BLACK	BLACK	9.0	36.0
W20-1	36	36	ROAD WORK AHEAD	SEE MUTCD			5	FLUOR. ORANGE	BLACK	BLACK	9.0	45.0
W1-4BL	36	36					2	FLUOR. ORANGE	BLACK	BLACK	9.0	18.0
W1-4BR	36	36					2	FLUOR. ORANGE	BLACK	BLACK	9.0	18.0
W4-2L	36	36					4	FLUOR. ORANGE	BLACK	BLACK	9.0	36.0
W4-2R	36	36					2	FLUOR. ORANGE	BLACK	BLACK	9.0	18.0
W13-1P	18	18	30 MPH				2	FLUOR. ORANGE	BLACK	BLACK	2.3	4.5
W20-5L	36	36	LEFT LANE CLOSED AHEAD				4	FLUOR. ORANGE	BLACK	BLACK	9.0	36.0
W20-5R	36	36	RIGHT LANE CLOSED AHEAD				2	FLUOR. ORANGE	BLACK	BLACK	9.0	18.0
W21-5aL	36	36	LEFT SHOULDER CLOSED				2	FLUOR. ORANGE	BLACK	BLACK	9.0	18.0
W21-5aR	36	36	RIGHT SHOULDER CLOSED				1	FLUOR. ORANGE	BLACK	BLACK	9.0	9.0
W21-5bL	36	36	LEFT SHOULDER CLOSED AHEAD				4	FLUOR. ORANGE	BLACK	BLACK	9.0	36.0
W21-5bR	36	36	RIGHT SHOULDER CLOSED AHEAD				1	FLUOR. ORANGE	BLACK	BLACK	9.0	9.0
W8-25	36	36	SHOULDER ENDS				1	FLUOR. ORANGE	BLACK	BLACK	9.0	9.0
M1-5	24	24	28				4	FLUOR. ORANGE	BLACK	BLACK	4.0	16.0
R9-9	24	12	SIDEWALK CLOSED				2	WHITE	BLACK	BLACK	2.0	4.0
R9-11AL	24	18	SIDEWALK CLOSED CROSS HERE				1	WHITE	BLACK	BLACK	3.0	3.0
R9-11AR	24	18	SIDEWALK CLOSED CROSS HERE				1	WHITE	BLACK	BLACK	3.0	3.0
										TOTAL AREA OF SIGNS (SQUARE FEET)		398.50

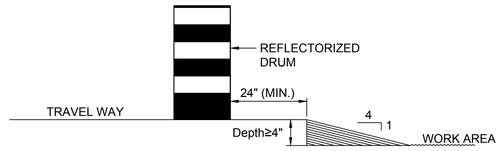
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	25	125
	PROJECT FILE NO. 606352		

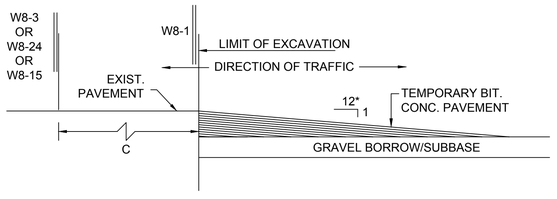
TEMPORARY TRAFFIC CONTROL PLAN NO. 1

NOTES:

1. W20-1 TO BE PLACED 500' IN ADVANCE OF WORK ZONE SIGNS SHOWN.
2. MA-R2-10a, AND MA-R2-10e SIGNS TO BE PLACED IN ACCORDANCE WITH MASSDOT STANDARDS.
3. ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISION, MASSDOT'S "STANDARD DETAILS AND DRAWINGS FOR THE DEVELOPMENT OF TEMPORARY TRAFFIC CONTROL PLANS", THE STANDARD SPECIFICATIONS, AND THE FOLLOWING NOTES.
4. CONTRACTOR 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.
5. ADVISORY SPEED LIMIT W13-1, IF USED, SHALL BE SET IN THE FIELD BY THE RESIDENT ENGINEER.
6. ALL SIGN LEGENDS, BORDERS AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
7. TEMPORARY CONSTRUCTION SIGNING 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.
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. PAVEMENT MARKINGS WHICH ARE NO LONGER APPLICABLE SHALL BE REMOVED. APPLY TEMPORARY MARKINGS WHERE SHOWN ON THE TRAFFIC MANAGEMENT PLANS.
11. ACCESS TO ALL BUSINESSES AND RESIDENCES WITHIN THE WORK AREA SHALL BE MAINTAINED AT ALL TIMES.
12. THE CONTRACTOR SHALL PLACE TEMPORARY CONSTRUCTION SIGNS TO ENSURE THAT A 36" UNOBSTRUCTED MINIMUM CLEARANCE IS PROVIDED AT ALL TIMES ON SIDEWALKS OPEN TO PEDESTRIANS. AT LOCATIONS WHERE A 36" MINIMUM CLEARANCE CANNOT BE ACHIEVED, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO PROVIDE MOUNTED SIGNS WITH THE BOTTOM OF THE SIGN OVERHANG NO LESS THAN 84" HIGH IN ORDER TO MEET ADA STANDARDS. THIS WORK SHALL BE PAID FOR UNDER "TRAFFIC MANAGEMENT ITEM."
13. TEMPORARY CONSTRUCTION ADVANCED WARNING SIGNS POSTED ON MINOR INTERSECTING STREETS SHOWN IN THE "TYPICAL CLOSURE AT SIDE OF INTERSECTION" DETAIL, MAY BE PLACED 100 FT APART.
14. THE LONGITUDINAL PEDESTRIAN CHANNELING DEVICES SHALL BE POSITIONED SUCH THAT THERE ARE NO GAPS ACROSS THE ENTIRE WIDTH OF THE SIDEWALK.
15. THE LONGITUDINAL PEDESTRIAN CHANNELING DEVICES USED FOR THE SIDEWALK CLOSURE SHALL HAVE A DETECTABLE EDGE IN ACCORDANCE WITH SECTION 6F.74 OF THE MOST RECENT EDITION OF THE MUTCD, INCLUDING ALL REVISIONS AND ADDENDA.
16. THE CONTRACTOR SHALL MAINTAIN AN ADA COMPLIANT PEDESTRIAN ACCESS AT ALL TIMES, SPECIFICALLY INCLUDING PEDESTRIAN GUIDANCE SYSTEMS AT WORK ZONES. ACCESS SHALL BE MAINTAINED ALONG ALL SIDEWALKS, CROSSWALKS, AND PATHS, AS WELL AS TO ALL ABUTTERS. ANY PEDESTRIAN DETOURS SHALL BE ADA COMPLIANT WITH PROPER BARRICADES, RAILINGS AND SIGNAGE.
17. CROSSWALKS OR STOP LINES OBSCURED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE END OF EACH SHIFT. TEMPORARY MATERIALS MAY BE USED IF IT IS EXPECTED THAT THE LINES WILL BE OBSCURED OR DAMAGED AGAIN. THERMOPLASTIC SHALL NOT BE USED FOR PERMANENT REPLACEMENT.
18. THE FIRST TEN (10) PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH SEQUENTIAL FLASHING LIGHTS BASED OFF THE MASSDOT STANDARD DETAILS AND DRAWINGS FOR THE DEVELOPMENT OF TEMPORARY TRAFFIC CONTROL.



LATERAL DROP-OFF DETAIL
NOT TO SCALE



* - INCREASE SLOPE RATIO FOR HIGHER SPEEDS

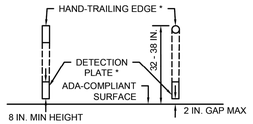
LONGITUDINAL DROP-OFF DETAIL
NOT TO SCALE

LEGEND

- WORK ZONE
- TEMPORARY SIGN
- REFLECTORIZED DRUM
- TEMPORARY BARRIER (TL-2)
- DIRECTION OF TRAVEL
- ADVANCED WARNING ARROW BOARD
- TYPE III BARRICADE
- IMPACT ATTENUATOR (TL-2)
- x — TEMPORARY FENCE
- LONGITUDINAL CHANNELIZING DEVICE

606352_HDTTCP 1).DWG Plotted on 5-Aug-2026 1:05 PM

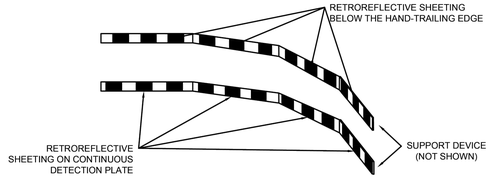
606352_HDITTCP 1).DWG Plotted on 5-Aug-2026 1:02 PM



CROSS SECTION VIEW

* THE HAND-TRAILING EDGE AND DETECTION PLATE SHALL BE CONTINUOUS THROUGHOUT THE LENGTH OF THE PATH SUCH THAT A PEDESTRIAN USER WITH A LONG CANE CAN FOLLOW IT.

STANDARD RETROREFLECTIVE LAYOUT FOR PEDESTRIAN CHANNELIZING DEVICES

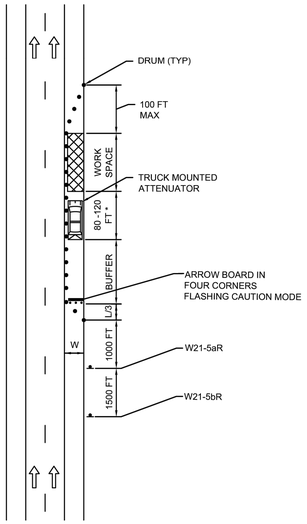


ISOMETRIC VIEW

NOTES:

1. A MAXIMUM 2-INCH GAP BETWEEN THE BOTTOM OF THE CONTINUOUS DETECTION PLATE AND THE WALKWAY SURFACE MAY BE USED TO PROVIDE DRAINAGE.
2. HAND-TRAILING EDGE AND DETECTION PLATE ARE OPTIONAL FOR CONTINUOUS WALLS.
3. SUPPORT DEVICE FOR CONTINUOUS DETECTION PLATE AND CONTINUOUS HAND-TRAILING EDGE NOT SHOWN ON THE PLAN.
4. STRIPING ON SHEETING PANELS MAY BE EITHER VERTICAL OR AT A 45-DEGREE ANGLE.
5. RETROREFLECTIVE AREAS CAN BE DISTRIBUTED IN A MANNER THAT ENSURES VISIBILITY AND DETECTION WITHOUT NECESSITATING A SINGLE CONTINUOUS APPLICATION.

massDOT Massachusetts Department of Transportation Highway Division	CONSTRUCTION STANDARDS SECTION 800	**PEDESTRIAN CHANNELIZING DEVICE**	ISSUE DATE: **JAN 2025** DRAWING NUMBER: **851.3.1**



TYPICAL TAPER LENGTHS (L) IN FEET

SPEED LIMIT (S) IN MPH	WIDTH OF OFFSET (W) IN FEET		
	10	11	12
50	500	550	600
55	550	605	660
60	600	660	720
65	650	715	780

NOTE: FOR SHOULDER WIDTHS NOT LISTED IN TABLE, USE L = $\frac{WS}{3}$

MINIMUM LENGTH OF LONGITUDINAL BUFFER IS EQUAL TO THE STOPPING SIGHT DISTANCE AT THE POSTED SPEED LIMIT AND CAN BE DETERMINED FROM THE FOLLOWING TABLE:

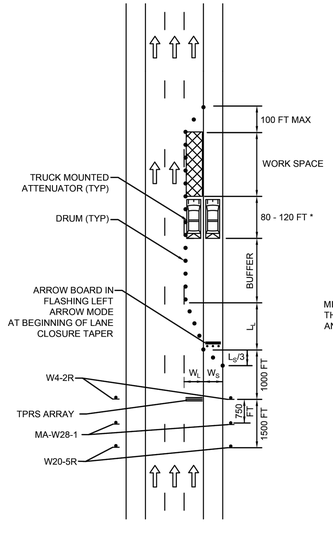
STOPPING SIGHT DISTANCE	
SPEED (MPH)	DISTANCE (FT)
50	425
55	495
60	570
65	645

NOTES:

1. MAXIMUM DRUM SPACING IN A TAPER IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH. IN TANGENT SECTIONS, MAXIMUM SPACING IN FEET IS EQUAL TO 2.0 TIMES THE SPEED LIMIT IN MPH.

* DISTANCE MAY BE INCREASED IF ADDITIONAL ROLL-AHEAD ALLOWANCE IS NEEDED. REFER TO MANUFACTURER'S SPECIFICATIONS.

massDOT Massachusetts Department of Transportation Highway Division	CONSTRUCTION STANDARDS SECTION 800	**DIVIDED HIGHWAY RIGHT SHOULDER CLOSURE (SHORT TERM)**	ISSUE DATE: **JAN 2025** DRAWING NUMBER: **852.7.1**



TYPICAL TAPER LENGTHS (L_L OR L_S) IN FEET

SPEED LIMIT (S) IN MPH	WIDTH OF OFFSET (W_L OR W_S) IN FEET		
	10	11	12
50	500	550	600
55	550	605	660
60	600	660	720
65	650	715	780

NOTE: FOR SHOULDER WIDTHS NOT LISTED IN TABLE, USE L_S = WS

TEMPORARY PORTABLE RUMBLE STRIP (TPRS)

A TPRS ARRAY SHALL HAVE THREE RUMBLE STRIPS. SPACING SHALL BE AS FOLLOWS:

POSTED REGULATORY OR WORK ZONE SPEED	
60 MPH AND ABOVE	20'
40 MPH TO 55 MPH	15'

NOTE: TPRS SHALL BE DEPLOYED ONLY FOR SETUPS OF 12 HOURS OR LESS

MINIMUM LENGTH OF LONGITUDINAL BUFFER IS EQUAL TO THE STOPPING SIGHT DISTANCE AT THE POSTED SPEED LIMIT AND CAN BE DETERMINED FROM THE FOLLOWING TABLE:

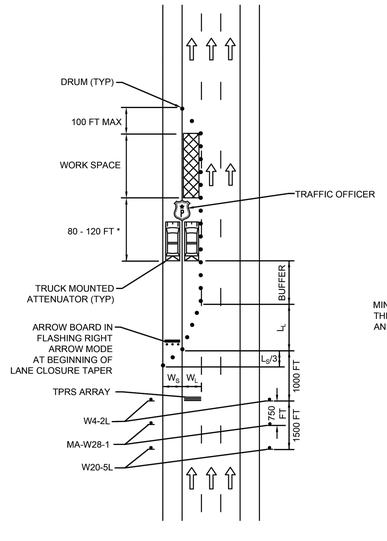
STOPPING SIGHT DISTANCE	
SPEED (MPH)	DISTANCE (FT)
50	425
55	495
60	570
65	645

NOTES:

1. THE FIRST TEN DRUMS OF EACH LANE CLOSURE TAPER SHALL BE MOUNTED WITH SEQUENTIALLY FLASHING LIGHTS IF DEPLOYED BETWEEN DUSK AND DAWN.
2. MAXIMUM DRUM SPACING IN A TAPER IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH. IN TANGENT SECTIONS, MAXIMUM SPACING IN FEET IS EQUAL TO 2.0 TIMES THE SPEED LIMIT IN MPH.

* DISTANCE MAY BE INCREASED IF ADDITIONAL ROLL-AHEAD ALLOWANCE IS NEEDED. REFER TO MANUFACTURER'S SPECIFICATIONS.

massDOT Massachusetts Department of Transportation Highway Division	CONSTRUCTION STANDARDS SECTION 800	**DIVIDED HIGHWAY RIGHT LANE CLOSURE (SHORT TERM)**	ISSUE DATE: **JAN 2025** DRAWING NUMBER: **852.7.3**



TYPICAL TAPER LENGTHS (L_L OR L_S) IN FEET

SPEED LIMIT (S) IN MPH	WIDTH OF OFFSET (W_L OR W_S) IN FEET		
	10	11	12
50	500	550	600
55	550	605	660
60	600	660	720
65	650	715	780

NOTE: FOR SHOULDER WIDTHS NOT LISTED IN TABLE, USE L_S = WS

TEMPORARY PORTABLE RUMBLE STRIP (TPRS)

A TPRS ARRAY SHALL HAVE THREE RUMBLE STRIPS. SPACING SHALL BE AS FOLLOWS:

POSTED REGULATORY OR WORK ZONE SPEED	
60 MPH AND ABOVE	20'
40 MPH TO 55 MPH	15'

NOTE: TPRS SHALL BE DEPLOYED ONLY FOR SETUPS OF 12 HOURS OR LESS

MINIMUM LENGTH OF LONGITUDINAL BUFFER IS EQUAL TO THE STOPPING SIGHT DISTANCE AT THE POSTED SPEED LIMIT AND CAN BE DETERMINED FROM THE FOLLOWING TABLE:

STOPPING SIGHT DISTANCE	
SPEED (MPH)	DISTANCE (FT)
50	425
55	495
60	570
65	645

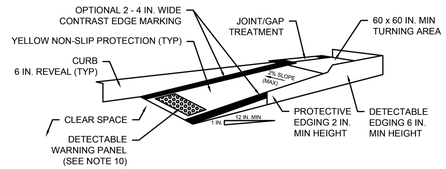
NOTES:

1. THE FIRST TEN DRUMS OF EACH LANE CLOSURE TAPER SHALL BE MOUNTED WITH SEQUENTIALLY FLASHING LIGHTS IF DEPLOYED BETWEEN DUSK AND DAWN.
2. MAXIMUM DRUM SPACING IN A TAPER IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH. IN TANGENT SECTIONS, MAXIMUM SPACING IN FEET IS EQUAL TO 2.0 TIMES THE SPEED LIMIT IN MPH.

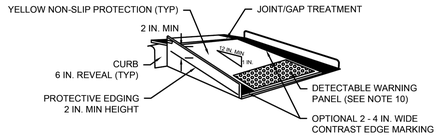
* DISTANCE MAY BE INCREASED IF ADDITIONAL ROLL-AHEAD ALLOWANCE IS NEEDED. REFER TO MANUFACTURER'S SPECIFICATIONS.

massDOT Massachusetts Department of Transportation Highway Division	CONSTRUCTION STANDARDS SECTION 800	**DIVIDED HIGHWAY LEFT LANE CLOSURE (SHORT TERM)**	ISSUE DATE: **JAN 2025** DRAWING NUMBER: **852.7.4**

606352_HDLTTCP 1).DWG Plotted on 5-Aug-2026 11:11 AM



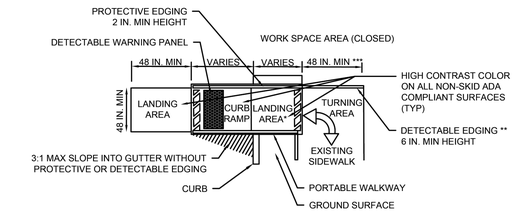
TEMPORARY CURB RAMP-PARALLEL TO CURB

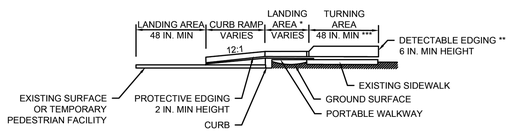


TEMPORARY CURB RAMP-PERPENDICULAR TO CURB

NOTES:
1. CURB RAMPS SHALL BE 60 IN. MINIMUM WIDTH WITH A FIRM, STABLE, AND NON-SLIP SURFACE.
2. PROTECTIVE EDGING WITH A 2 IN. MINIMUM HEIGHT SHALL BE INSTALLED WHEN THE CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6 IN. OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN THE CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3 IN. OR MORE.
3. DETECTABLE EDGING WITH 6 IN. MINIMUM HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. THE CURB RAMP WALKWAY AND LANDING AREA SURFACE SHALL BE OF A SOLID CONTINUOUS CONTRASTING COLOR ABUTTING UP TO THE EXISTING SIDEWALK.
5. CURB RAMPS AND LANDINGS SHOULD HAVE A 1:50 (2%) MAXIMUM CROSS-SLOPE.
6. CLEAR SPACE OF 48 x 48 IN. MINIMUM SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
7. WATER FLOW IN THE GUTTER SYSTEM SHALL HAVE MINIMAL RESTRICTION.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 0.5 IN. WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHOULD NOT EXCEED 0.5 IN. LATERAL EDGES SHOULD BE VERTICAL UP TO 0.25 IN. HIGH, AND BEVELED AT 1:2 BETWEEN 0.25 IN. AND 0.5 IN. HEIGHT.
10. IF A TEMPORARY PEDESTRIAN RAMP LEADS TO A CROSSWALK, THEN A DETECTABLE WARNING PANEL MUST BE ADHERED TO THE BASE OF THE RAMP. IF IT LEADS TO A PROTECTED PEDESTRIAN BYPASS THAT DOES NOT CONFLICT WITH VEHICULAR TRAFFIC, THEN A DETECTABLE WARNING PANEL SHALL NOT BE INSTALLED ON THE RAMP.

massDOT Massachusetts Department of Transportation Highway Division	CONSTRUCTION STANDARDS SECTION 800	TEMPORARY CURB RAMP (1 OF 2)	ISSUE DATE JAN 2025	DRAWING NUMBER 850.1.1





TEMPORARY CURB RAMP

* LANDING AREA USED TO OVERLAP NON-ADA COMPLIANT SURFACES.
** DETECTABLE EDGING REMOVED IF A CONTINUOUS SIDEWALK
*** 60 IN. MINIMUM IF AN OBSTRUCTION IS AT BACK OF SIDEWALK.

massDOT Massachusetts Department of Transportation Highway Division	CONSTRUCTION STANDARDS SECTION 800	TEMPORARY CURB RAMP (2 OF 2)	ISSUE DATE JAN 2025	DRAWING NUMBER 850.1.2

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	28	125
	PROJECT FILE NO. 606352		

TEMPORARY TRAFFIC CONTROL PLAN NO. 4
PHASE 1

606352_HD(TTCP 4).DWG Plotted on 5-Aug-2026 1:02 PM

N
NAD 83

AGAWAM MILL POND

MAP 129 LOT 1161
AGAWAM MILL POND
OWNER UNKNOWN

RET EX CURB
PROP TEMP HMA 5' SW

TL-3 LIMITED
DEFLECTION BARRIER

RET EX CURB
PROP TEMP
HMA 5' SW

RET EX CURB
PROP TEMP
HMA 5' SW

TEMP IMPACT
ATTENUATOR

END PROP TEMP HMA SW

CURB AND SIDEWALK WORK TO BE CONSTRUCTED PRIOR TO PHASE 1 (SEE NOTE 4A)

REFRECTORIZED
DRUMS @ 35' O.C.

END REM EX
PVMT MARKINGS

INSTALL PERMANENT
PEDESTRIAN CROSSING
SIGNAGE AS PART OF
PRE-PHASE 1 WORK (TYP)

TEMP SL
TEMP CW

TEMP BWL
TEMP SWL
TEMP SYL
TEMP BWL

ADJ CB

CONST B

SIDEWALK
CLOSED
R9-9

REFRECTORIZED DRUMS
@ 5' O.C. @ DRIVEWAYS

REMOVE EXIST
SIDEWALK AND CURB
PROP TEMP HMA BOX
WIDENING

100'
SHOULDER TAPER

SIDEWALK CLOSED
CROSS HERE
R9-11aR

CONTINUED
BELOW

AGAWAM
RIVER

OLD GLEN CHARLIE RD

ELM ST

DEPOT ST

GLEN CHARLIE RD

W20-1
ROAD
WORK
AHEAD

L 100'

W20-1
ROAD
WORK
AHEAD
M1-5 28

175'
350'
30'

WORK ZONE
SPEEDING
FINES
DOUBLED
MA-R2-10a

W4-2L

W20-5L
LEFT LANE
CLOSED
AHEAD
M1-5 28

W20-1
ROAD
WORK
AHEAD

W20-5L
LEFT LANE
CLOSED
AHEAD

W4-2L

MA-R2-10a
WORK ZONE
SPEEDING
FINES
DOUBLED

(RTE 6 & 28)
CRANBERRY HWY WESTBOUND

W20-5L
LEFT LANE
CLOSED
AHEAD
28 M1-5

WORK ZONE
SPEEDING
FINES
DOUBLED
MA-R2-10a

250'

W20-1
ROAD
WORK
AHEAD
M1-5 28

W20-1
ROAD
WORK
AHEAD

W4-2L

W20-5L
LEFT LANE
CLOSED
AHEAD

100' TAPER

35'
BUFFER

320' MERGING TAPER

267'

500'

500'

500'

AMES ISLAND RD

BEGIN TEMP BIT SW

BEGIN REM EX
PVMT MARKINGS

MA-R2-10e
END ROAD
WORK
DOUBLE
FINES END

CONST B

TEMP SWL
TEMP BWL
TEMP SWL
TEMP BWL

CONTINUED
ABOVE

(RTE 6 & 28)
CRANBERRY HWY

INSTALL PERMANENT
PEDESTRIAN CROSSING
SIGNAGE AS PART OF
PRE-PHASE 1 WORK (TYP)

TEMP SYL

REM EX
CURB
AND SW

REM EX
GUARDRAIL

PROP TEMP HMA
BOX WIDENING

TEMP PED
CURB RAMP

(RTE 6) SANDWICH RD

BEGIN REM
EX PVMT
MARKINGS

MA-R2-10e
END ROAD
WORK
DOUBLE
FINES END

SIDEWALK
CLOSED
R9-9

SIDEWALK CLOSED
CROSS HERE
R9-11aL

100' TAPER

NOTES:

1. SEE "##" FOR ALL NOTES AND LEGEND ASSOCIATED WITH THIS SHEET.
2. PRE-STAGE WORK CAN BE ACCOMPLISHED USING MASSDOT STANDARD TTCP SET-UP.
3. SEE BRIDGE STAGE CONSTRUCTION SHEETS FOR DETAILED BRIDGE PHASING.
4. CONSTRUCTION PHASING NOTES:
   A. IN ADVANCE OF PHASE 1, CONSTRUCT PERMANENT PEDESTRIAN ACCESS FROM STA 19+00L TO STA 21+61L, PLACE TEMPORARY HMA SIDEWALK ON NORTH SIDE OF BRIDGE AND APPROACHES.
   B. TEMPORARILY RELOCATE EXISTING VERIZON WIRES ON SOUTH SIDE OF DAM TO EXISTING POLES ON NORTH SIDE OF DAM. CONSTRUCT TEMPORARY UTILITY BRIDGE AND TEMPORARILY RELOCATE THE GAS MAIN TO THE SOUTH EMBANKMENT. SEE "DRAINAGE AND UTILITY PLANS".
   C. PLACE TEMPORARY SUPPORT OF EXCAVATION AND CONTROL OF WATER MEASURES.
   D. CONSTRUCT PHASE 1 PORTION OF PROPOSED SUPERSTRUCTURE WITH THE EXCEPTION OF SIDEWALK, INSTALL PRECAST GUARDRAIL TRANSITIONS AND CONSTRUCT THE DOWNSTREAM TRAINING WALLS.
   E. RELOCATE THE WATER MAIN AND GAS MAIN TO PROPOSED SUPERSTRUCTURE.
   F. PARTIALLY DEMOLISH THE DOWNSTREAM PORTION OF THE EXISTING SPILLWAY AND CONSTRUCT TEMPORARY VEHICULAR AND PEDESTRIAN BRIDGE.
   G. FOLLOWING PHASE 1 RELOCATE ALL OVERHEAD UTILITIES TO THE SOUTH SIDE OF THE DAM (SEE DRAINAGE AND UTILITY PLANS).

SEQUENCE OF UTILITY RELOCATIONS:

PHASE 1
1. TEMPORARILY RELOCATE SOUTHERN OVERHEAD UTILITIES TO THE EXISTING UTILITY POLES ON THE NORTH SIDE OF THE DAM.
2. INSTALL TEMPORARY GAS BYPASS AND UTILITY BRIDGE SOUTH OF THE DAM.
3. PERMANENTLY RELOCATE THE GAS AND WATER MAINS ACROSS THE PROPOSED SUPERSTRUCTURE.
4. AFTER CONSTRUCTION OF THE SOUTHERN PORTION OF THE STRUCTURE, RELOCATE OVERHEAD UTILITIES TO THE SOUTH SIDE OF THE ROADWAY TO THE PERMANENT OR TEMPORARY LOCATION AS SHOWN ON THE PLANS.

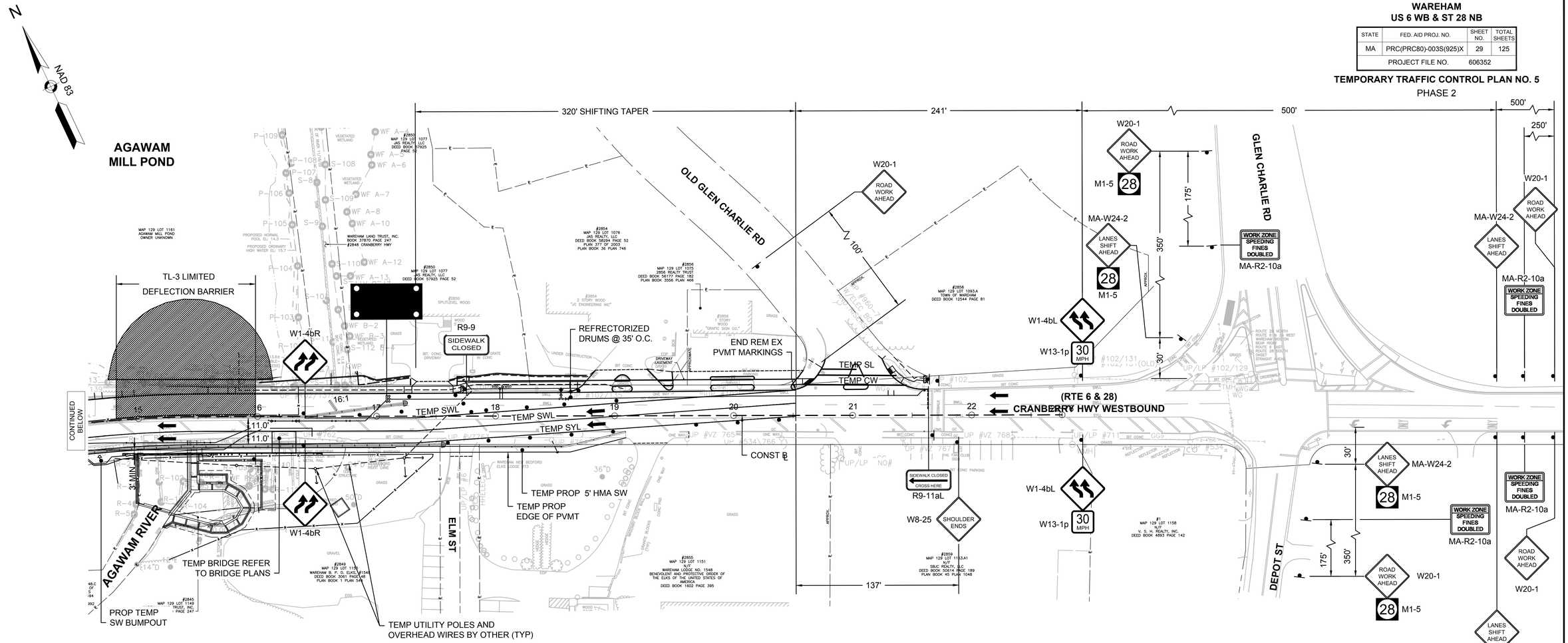
PHASE 6
1. PERMANENTLY RELOCATE OVERHEAD UTILITIES TO THEIR FINAL LOCATION ON THE SOUTH SIDE OF THE ROADWAY.

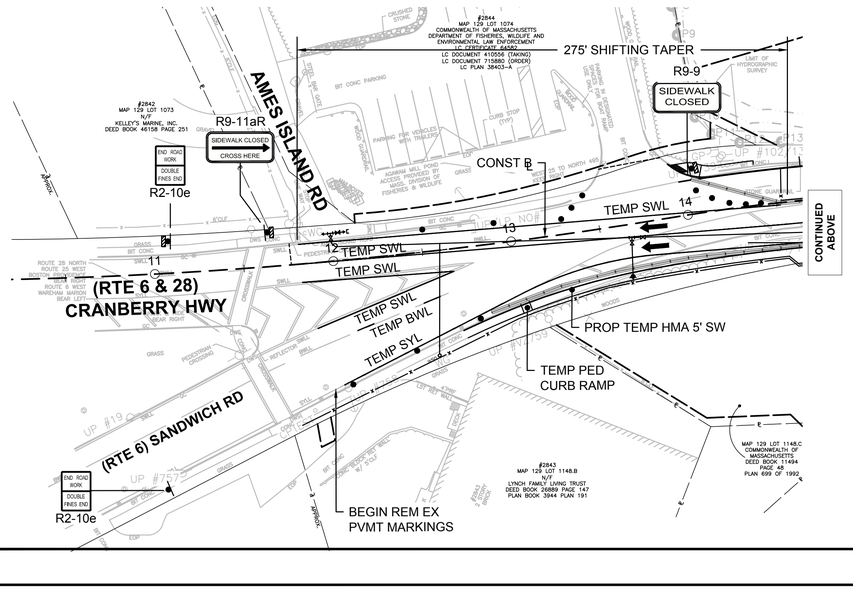
0 40 100 160
SCALE: 1" = 40'

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	29	125
	PROJECT FILE NO. 606352		

TEMPORARY TRAFFIC CONTROL PLAN NO. 5
PHASE 2





NOTES:

1. SEE "##########" FOR ALL NOTES AND LEGEND ASSOCIATED WITH THIS SHEET.
2. SEE BRIDGE STAGE CONSTRUCTION SHEETS FOR DETAILED BRIDGE PHASING.
3. CONSTRUCTION PHASING NOTES:
   - A. SEE "TEMPORARY TRAFFIC CONTROL PLAN NO. 4" FOR TEMPORARY ROADWAY WIDENING, AND TEMPORARY HMA SIDEWALK ON SOUTH SIDE OF BRIDGE AND APPROACHES.
   - B. INSTALL REMAINING PORTION OF PROPOSED WATER MAIN AND ABANDON SECTIONS OF THE EXISTING MAIN PRIOR TO THE DEMOLITION OF THE NORTHERN PORTION OF THE EXISTING STRUCTURE
   - C. REMOVE AND DISPOSE NORTHERN PORTION OF EXISTING STRUCTURE.
   - D. CONSTRUCT PHASE 2 PORTION OF PROPOSED SUPERSTRUCTURE, SPILLWAY, LOW LEVEL OUTLET CHAMPER AND UPSTREAM PORTION OF FISH LADDER.
   - E. FOLLOWING PHASE 2, REMOVE SUPPORT OF EXCAVATION AND CONTROL OF WATER MEASURES.

0 40 100 160
SCALE: 1" = 40'

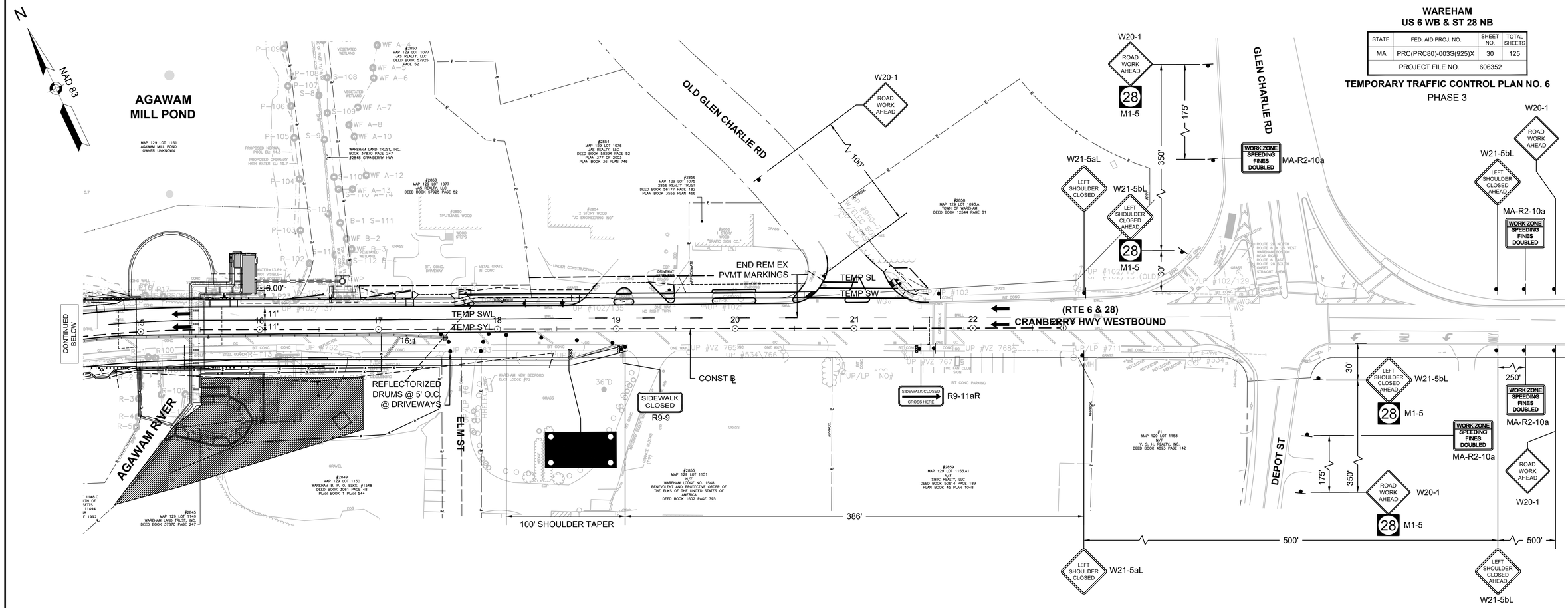
606352_HDTTCP 5).DWG Plotted on 5-Aug-2026 1:02 PM

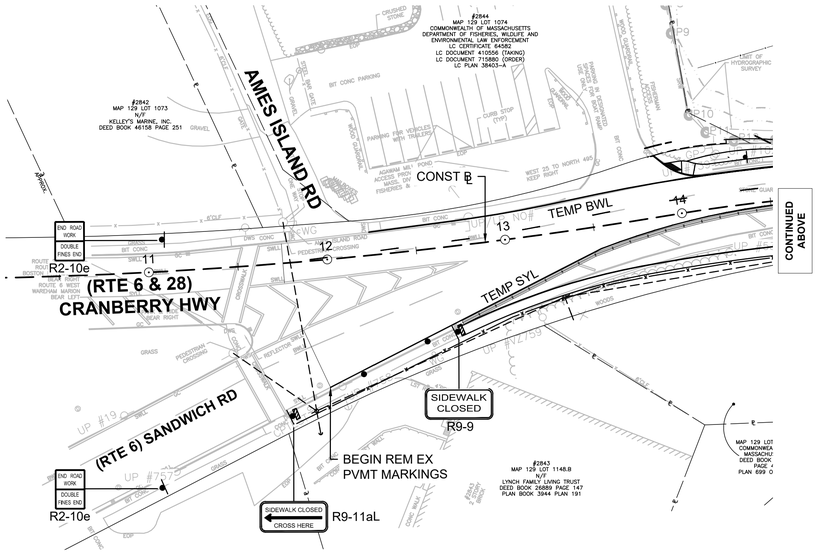
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	30	125
PROJECT FILE NO.	606352		

TEMPORARY TRAFFIC CONTROL PLAN NO. 6
PHASE 3

606352_HD(TTCP 6).DWG Plotted on 31-Jul-2026 12:55 PM





NOTES:

1. SEE "TEMPORARY TRAFFIC CONTROL PLAN NO. 1" FOR ALL NOTES AND LEGEND ASSOCIATED WITH THIS SHEET.
2. SEE BRIDGE STAGE CONSTRUCTION SHEETS FOR DETAILED BRIDGE PHASING.
3. CONSTRUCTION PHASING NOTES:
   - A. IN ADVANCE OF PHASE 3 INSTALL CONTROL OF WATER MEASURES
   - B. CONSTRUCT DOWNSTREAM PORTION OF FISH LADDER
   - C. REMOVE AND DISPOSE PORTIONS OF THE EXISTING DOWNSTREAM FISHWAY AND FISH LADDER.

0 40 100 160

SCALE: 1" = 40'

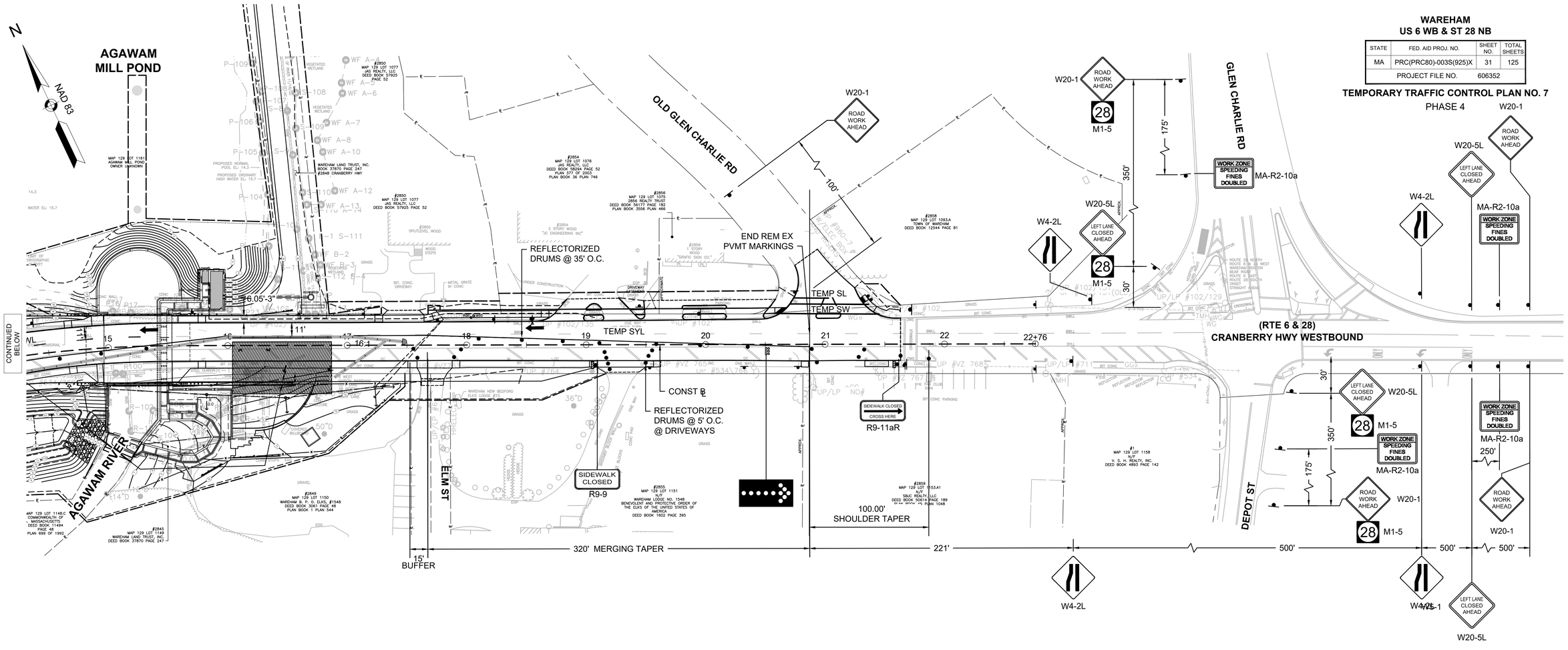
WAREHAM
US 6 WB & ST 28 NB

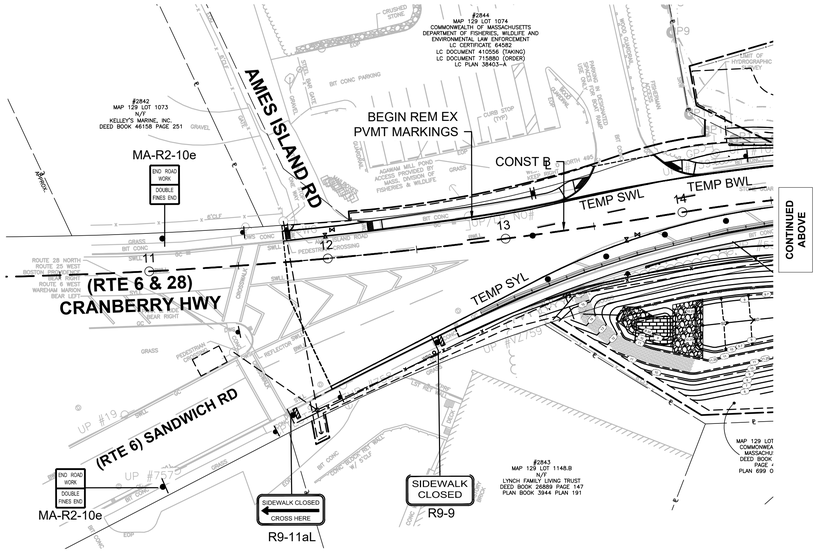
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	31	125
	PROJECT FILE NO. 606352		

TEMPORARY TRAFFIC CONTROL PLAN NO. 7

PHASE 4

606352_HDITTCP 7).DWG Plotted on 31-Jul-2026 12:55 PM





NOTES:

1. SEE "TEMPORARY TRAFFIC CONTROL PLAN NO. 1" FOR ALL NOTES AND LEGEND ASSOCIATED WITH THIS SHEET.
2. SEE BRIDGE STAGE CONSTRUCTION SHEETS FOR DETAILED BRIDGE PHASING.
3. CONSTRUCTION PHASING NOTES:
   A. REMOVE AND DISPOSE PORTION OF EXISTING PRIMARY SPILLWAY AND FISH LADDER.

0 40 100 160

SCALE: 1" = 40'

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	32	125
PROJECT FILE NO.	606352		

TEMPORARY TRAFFIC CONTROL PLAN NO. 8
PHASE 5

606352_HD(TTCP 8).DWG Plotted on 31-Jul-2026 12:55 PM

N
NAD 83

AGAWAM MILL POND

AGAWAM RIVER

OLD GLEN CHARLIE RD

GLEN CHARLIE RD

ELM ST

AMES ISLAND RD

(RTE 6 & 28) CRANBERRY HWY

(RTE 6) SANDWICH RD

DEPOT ST

320' SHIFTING TAPER
255'
500'
500'
250'
275' SHIFTING TAPER
100'
146'
175'
350'
30'
11'
11'

W1-4b(R)
W1-4b(L)
W13-1p 30 MPH
W20-1 ROAD WORK AHEAD
28 M1-5
MA-W24-2 LANES SHIFT AHEAD
MA-R2-10a WORK ZONE SPEEDING FINES DOUBLED
R9-9 SIDEWALK CLOSED
R9-11aR SIDEWALK CLOSED CROSS HERE
R9-11aL SIDEWALK CLOSED CROSS HERE
R2-10e END ROAD WORK DOUBLE FINES END
W8-25 SHOULDER ENDS

TEMP SL
TEMP CW
TEMP SWL
TEMP SYL
CONST ℄
TEMP EDGE OF PVMT
REFLECTORIZED DRUMS @ 35' O.C.
REFLECTORIZED DRUMS @ 5' O.C. @ DRIVEWAY
PROP TEMP HMA 5' SW
TEMP PED CURB RAMP
END REM EX PVMT MARKINGS
BEGIN REM EX PVMT MARKINGS

CONTINUED BELOW
CONTINUED ABOVE

NOTES:

1. SEE "TEMPORARY TRAFFIC CONTROL PLAN NO. 1" FOR ALL NOTES AND LEGEND ASSOCIATED WITH THIS SHEET.
2. SEE BRIDGE STAGE CONSTRUCTION SHEETS FOR DETAILED BRIDGE PHASING.
3. CONSTRUCTION PHASING NOTES:
   A. REMOVE AND DISPOSE PORTIONS OF EXISTING PRIMARY SPILLWAY.
   B. RECONSTRUCT UPSTREAM PORTION OF EXISTING FISH LADDER CHANNEL AND RETAINING WALL.

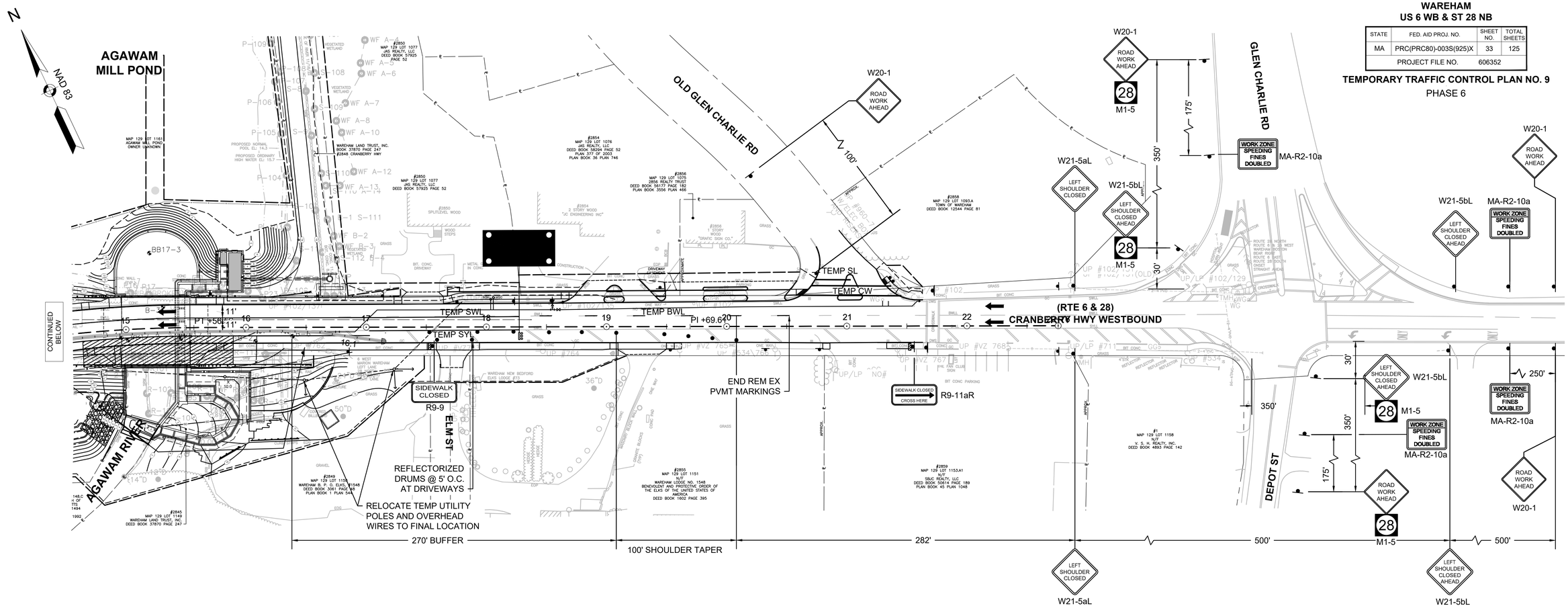
0 40 100 160
SCALE: 1" = 40'

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	33	125
	PROJECT FILE NO. 606352		

TEMPORARY TRAFFIC CONTROL PLAN NO. 9
PHASE 6

606352_HDTTCP 9).DWG Plotted on 31-Jul-2026 12:56 PM



NOTES:

1. SEE "TEMPORARY TRAFFIC CONTROL PLAN NO. 1" FOR ALL NOTES AND LEGEND ASSOCIATED WITH THIS SHEET.
2. SEE BRIDGE STAGE CONSTRUCTION SHEETS FOR DETAILED BRIDGE PHASING.
3. THE WORK NEEDED FOR THE REMOVAL OF TEMPORARY SIDEWALK AND RESTORATION OF SIDEWALK AND OTHER DISTURBED AREAS CAN BE ACCOMPLISHED USING MASSDOT STANDARD TTCPS. SEE "CONSTRUCTION PLAN NOS. 1 AND 2" FOR ASSOCIATED WORK
4. CONSTRUCTION PHASING NOTES:
   - A. IN ADVANCE OF PHASE 6, GRADE DOWNSTREAM CHANNEL AND REMOVE CONTROL OF WATER MEASURES.
   - B. PERMANENTLY RELOCATE ALL TEMPORARY OVERHEAD UTILITIES TO THEIR PERMANENT LOCATION (SEE DRAINAGE AND UTILITY PLANS)
   - C. REMOVE AND DISPOSE TEMPORARY SIDEWALK AND PAVEMENT AND RESTORE GRASSED AREAS AND SIDEWALK.
   - D. CONSTRUCT PROPOSED STORMWATER TREATMENT BASIN.
   - E. REMOVE AND DISPOSE OF TEMPORARY WEARING SURFACE
   - F. CONSTRUCT SOUTHERN SIDEWALK AND INSTALL PROTECTIVE SCREEN
   - G. PLACE FINAL PAVING, STRIPING AND SIGNAGE.

SEQUENCE OF UTILITY RELOCATIONS:

PHASE 1
1. TEMPORARILY RELOCATE SOUTHER OVERHEAD UTILITIES TO THE EXISTING UTILITY POLES ON THE NORTH SIDE OF THE DAM.
2. INSTALL TEMPORARY GAS BYPASS AND UTILITY BRIDGE SOUTH OF THE DAM.
3. PERMANENTLY RELOCATE THE GAS AND WATER MAINS ACROSS THE PROPOSED SUPERSTRUCTURE.
4. AFTER CONSTRUCTION OF THE SOUTHERN PORTION OF THE STRUCTURE, RELOCATE OVERHEAD UTILITIES TO THE SOUTH SIDE OF THE ROADWAY TO THE PERMANENT OR TEMPORARY LOCATION AS SHOWN ON THE PLANS.

PHASE 6
1. PERMANENTLY RELOCATE OVERHEAD UTILITIES TO THEIR FINAL LOCATION ON THE SOUTH SIDE OF THE ROADWAY.

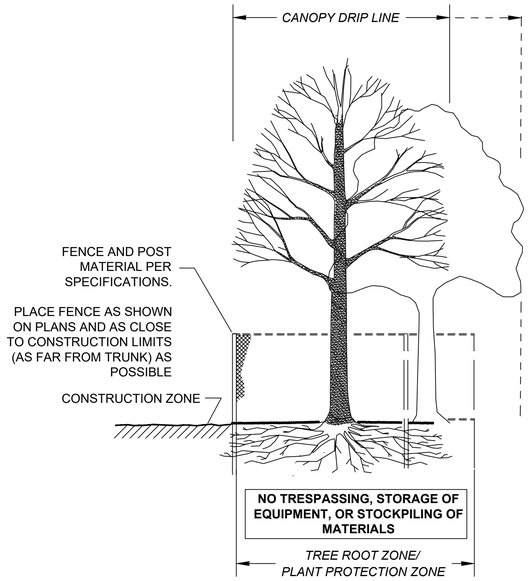
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SCALE: 1" = 40'

WAREHAM
US 6 WB & ST 28 NB

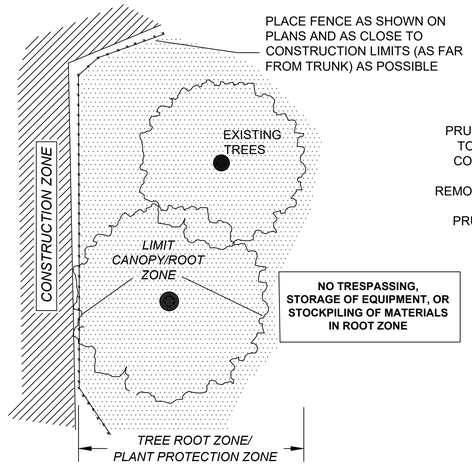
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	34	125
	PROJECT FILE NO. 606352		

CONSTRUCTION DETAILS NO. 1

606352_HD(DETAILS).DWG Plotted on 31-Jul-2026 12:56 PM



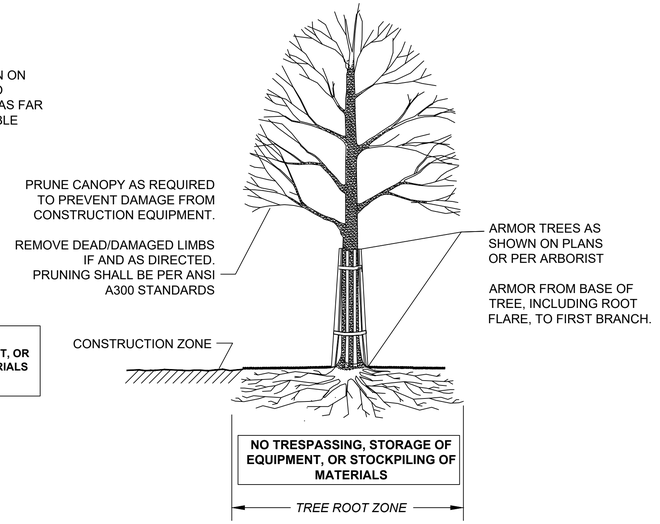
SECTION - FENCE PROTECTION OF ROOT ZONE



PLAN VIEW - FENCE PROTECTION OF ROOT ZONE

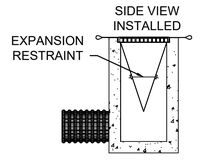
TREE PROTECTION - ROOT ZONE

NOT TO SCALE

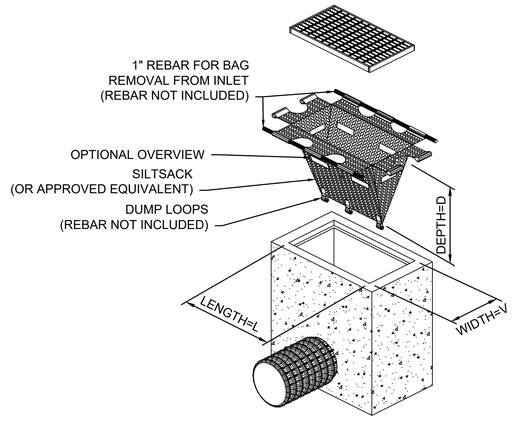


SECTION - TRUNK ARMORING & PRUNING

TREE PROTECTION - TRUNK

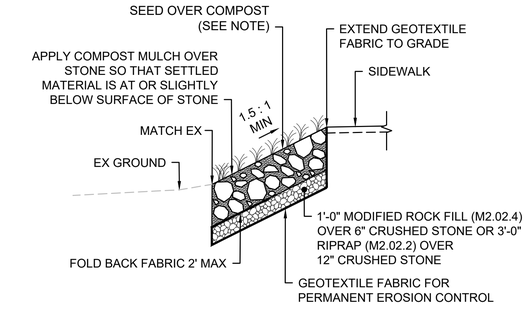


INSTALLATION DETAIL



TEMPORARY INLET PROTECTION

NOT TO SCALE

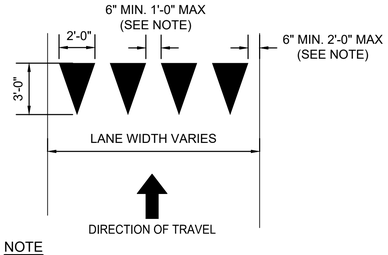


NOTE:

SEED OVER COMPOST VARIES. REFER TO LANDSCAPE DRAWINGS FOR APPROPRIATE SEED MIX TYPE PER LOCATION.

MODIFIED ROCK FILL SLOPE

NOT TO SCALE

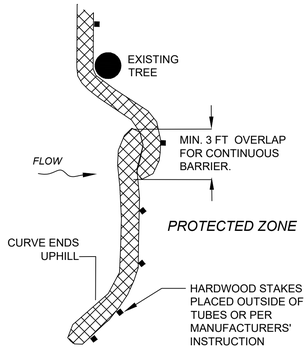


NOTE

THE SPACES BETWEEN THE BASES OF ADJACENT YIELD TRIANGLES SHALL BE IDENTICAL ACROSS THE ENTIRE WIDTH OF THE TRAVEL LANE. THE SPACE BETWEEN THE EDGE OF THE YIELD LINE TRIANGLES CLOSEST TO THE EDGE OF THE TRAVEL LANE AND THE LATTER MAY VARY SUBJECT TO THE DIMENSIONS SHOWN ON THE DETAIL.

YIELD LINE LAYOUT

NOT TO SCALE



PLACE TUBE ALONG CONTOURS AND PERPENDICULAR TO FLOW.

PLACE AS CLOSE TO LIMIT OF SOIL DISTURBANCE AS POSSIBLE

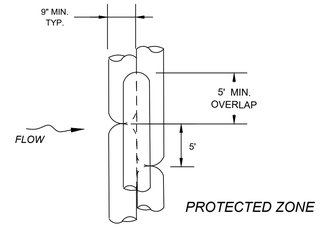
ADJUST LOCATION AS REQUIRED FOR OPTIMUM EFFECTIVENESS. DO NOT INSTALL IN WATERWAYS.

PLACE STAKES AS NEEDED TO SECURE TUBES IN PLACE.

PLAN VIEW

COMPOST FILTER TUBE

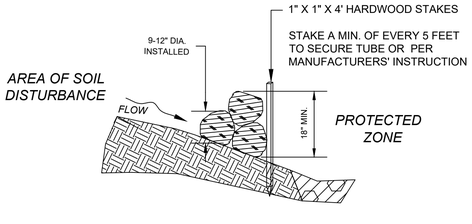
NOT TO SCALE



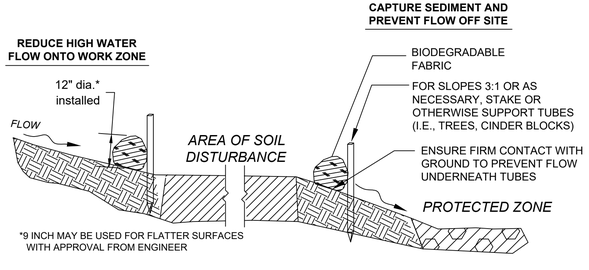
PLAN VIEW

COMPOST FILTER TUBE BERM (SLOPES 2:1 OR STEEPER)

NOT TO SCALE



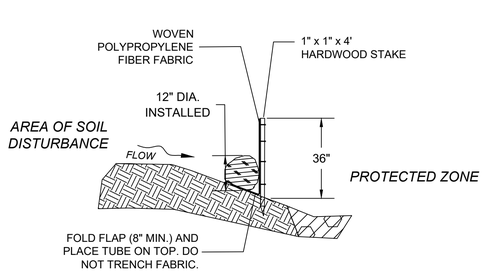
SECTION



SECTION

SEDIMENT BARRIER - COMPOST FILTER TUBES

NOT TO SCALE

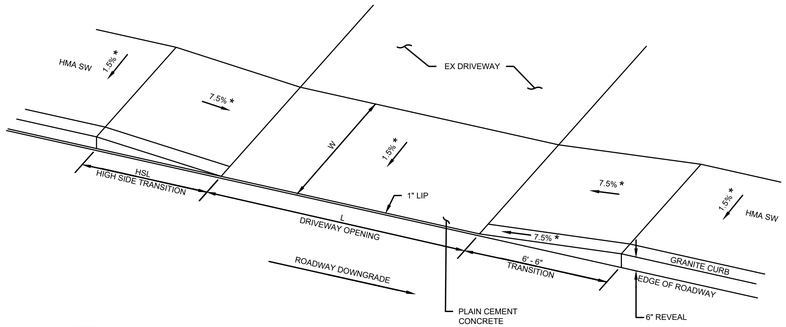


SECTION

COMPOST FILTER TUBE & SILT FENCE

NOT TO SCALE

606352_HD(DETAILS).DWG Plotted on 31-Jul-2026 12:56 PM

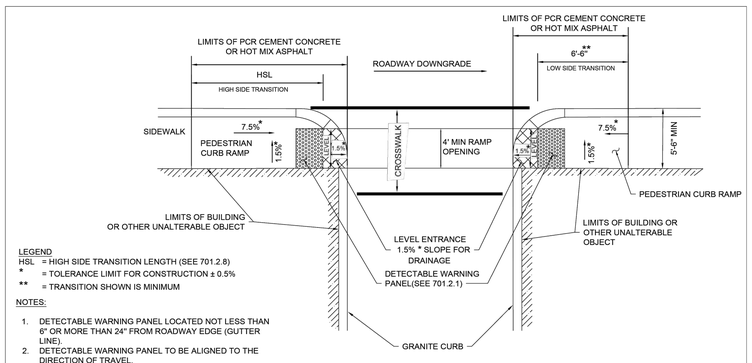


NOTES:

(1) THE CURB REVEAL SHALL BE A MINIMUM OF 3" WHERE NEEDED TO PROPERLY TRANSITION FROM DRIVEWAY TO CURB RAMP (PCR).
(2) TRANSITIONS FOR DWY 2-4, DWY 2-5 AND DWY 2-6 ARE FLUSH WITH ISLAND CROSSINGS.

DRIVEWAY - TYPE 1

DWY #	RAMP REFERENCE POINT		ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	STATION	OFFSET		LEFT SIDE	RIGHT SIDE
2-1	17+73	12.93 RT	-0.43%	6'-6"	7'-8"
2-2	17+47	19.20 LT	-0.30%	7'-8"	6'-6"
2-3	18+79	19.85 LT	-0.23%	7'-8"	-
2-4	19+28	20.25 LT	-0.32%	-	-
2-5	19+64	20.54 LT	-0.33%	-	-
2-6	20+33	21.11 LT	-0.05%	-	-
2-7	19+29.72	19.04 RT	LEVEL	6'-6"	6'-6"



LEGEND
HSL = HIGH SIDE TRANSITION LENGTH (SEE 701.2.8)
* = TOLERANCE LIMIT FOR CONSTRUCTION ± 0.5%
** = TRANSITION SHOWN IS MINIMUM

NOTES:

1. DETECTABLE WARNING PANEL LOCATED NOT LESS THAN 6" OR MORE THAN 24" FROM ROADWAY EDGE (GUTTER LINE).
2. DETECTABLE WARNING PANEL TO BE ALIGNED TO THE DIRECTION OF TRAVEL.
3. PEDESTRIAN PATH OF TRAVEL SHALL BE NO LESS THAN 4'-0" WIDE AND FREE OF VERTICAL OBSTRUCTIONS (FOR ALL CONSTRAINED CONDITIONS).
4. LEVEL LANDING MUST BE CLEAR OF ANY VERTICAL OBSTRUCTION.
5. ALL SLOPE VALUES LISTED HERE ARE MAXIMUM VALUES WITH CONSTRUCTION TOLERANCE OF ±0.5%.

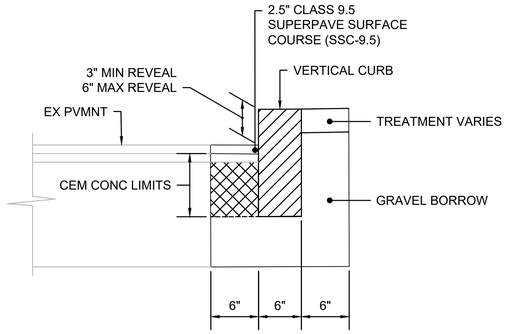
MassDOT Massachusetts Department of Transportation Highway Division	CONSTRUCTION STANDARDS	PEDESTRIAN CURB RAMP FOR ONE CONTINUOUS DIRECTION OF PEDESTRIAN TRAVEL	ISSUE DATE	DRAWING NUMBER
	SECTION 700		JAN 2025	701.2.5

CURB RAMP - TYPE 1

NOTE:

THE CURB REVEAL SHALL BE A MINIMUM OF 3" WHERE NEEDED TO PROPERLY TRANSITION FROM DRIVEWAY TO CURB RAMP (CR).

CR #	RAMP REFERENCE POINT		WIDTH OF RAMP ENTRANCE 3.0' (MIN.)	ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	STATION	OFFSET			LEFT SIDE	RIGHT SIDE
1-1	12+60	LT	5'-0"	0.25%	-	6'-6"

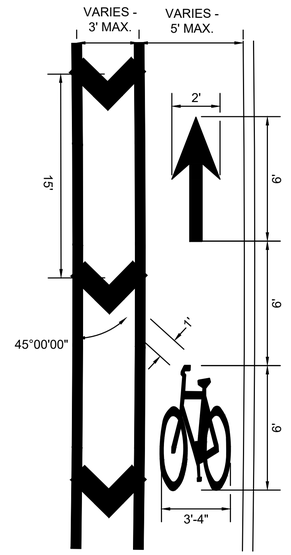


NOTES:

1. THIS PROCEDURE IS APPLICABLE ONLY IF CURB IS TO BE SET AFTER BASE COURSE IS IN PLACE PRIOR TO BINDER AND TOP PLACEMENT.
2. CUT NEAT LINE 6" FROM CURB LINE AND REMOVE BASE AND GRAVEL. REPLACE WITH CEMENT CONCRETE.
3. ANY DESIGNATED CEMENT CONCRETE THAT IS ACCEPTABLE UNDER SECTION M4 OF THE STANDARD SPECIFICATIONS MAY BE USED; ALL TEST REQUIREMENTS ARE WAVED. HOT MIX ASPHALT SHALL NOT TO BE USED AS A SUBSTITUTE.
4. PAYMENT PER FOOT OF CURB IS INCLUSIVE OF ALL ITEMS OF WORK REQUIRED TO COMPLETE PROPER INSTALLATION OF THE CURB.

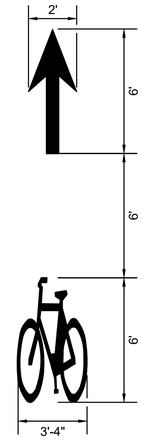
METHOD OF SETTING VERTICAL CURB

NOT TO SCALE



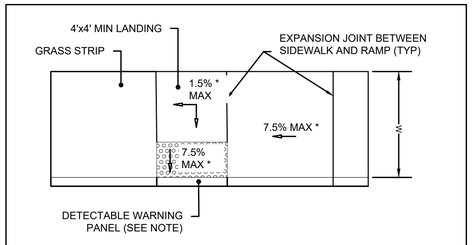
BIKE LANE PAVEMENT MARKINGS

NOT TO SCALE



BIKE LANE PAVEMENT MARKINGS

NOT TO SCALE

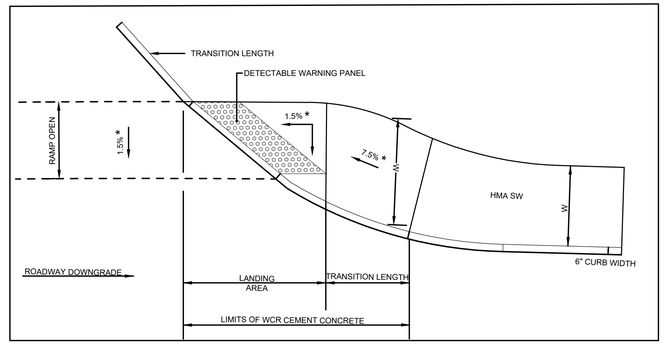


NOTES:

1) TRANSITION SIDEWALK LENGTH PER MASSDOT STANDARD E 107.9.0 ROADWAY PROFILE GRADE
2) LENGTH OF LANDING (4' MIN) DETECTABLE WARNING PANELS 0.5' MIN FROM EDGE OF PAVEMENT
3) DETECTABLE WARNING PANELS ARE REQUIRED TO BE CONSTRUCTED ON ALL PROPOSED PEDESTRIAN CURB RAMPS AND ARE TO BE INSTALLED IN ACCORDANCE WITH MASSDOT CONSTRUCTION STANDARD E 107.2.1
4) PEDESTRIAN CURB RAMP HAS THE SAME INSTALLATION WHEN THE GRASS STRIP IS ON THE OPPOSITE SIDE.
5) #. ALL SIDE STREET AND DRIVEWAY SIDEWALK CROSSINGS SHALL HAVE A 4-FOOT (MIN.) WIDE ACCESSIBLE ROUTE THAT HAS NOT MORE THAN A 1:50 CROSS SLOPE

CURB RAMP - TYPE 2

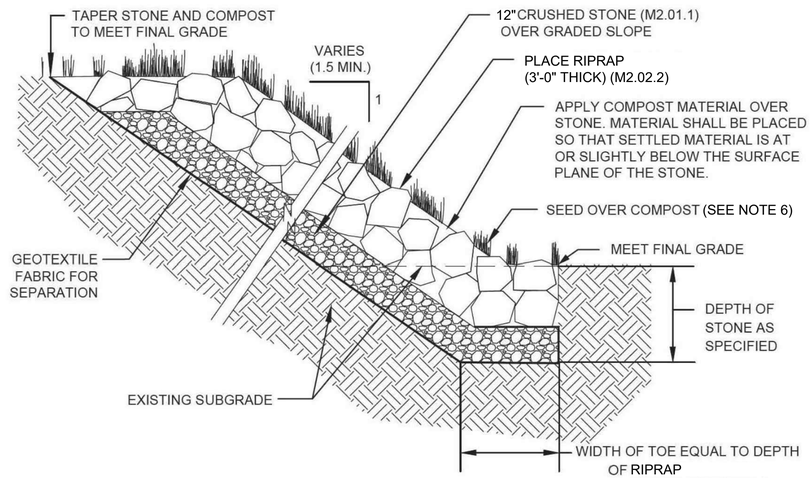
CR #	RAMP REFERENCE POINT		WIDTH OF SIDEWALK (W)	WIDTH OF RAMP ENTRANCE 5.0' (MIN.)	ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	STATION	OFFSET				LEFT SIDE	RIGHT SIDE
2-2	21+39	LT	5'-0"	5'-0"	-0.60%	-	7'-8"



CURB RAMP - TYPE 3

CR #	RAMP REFERENCE POINT		WIDTH OF RAMP ENTRANCE 4.0' (MIN.)	ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	STATION	OFFSET			LEFT SIDE	RIGHT SIDE
1-2	13+44	LT	5'-0"	0.50%	6'-6"	-
1-3	14+02	LT	5'-0"	0.60%	-	6'-6"
2-1*	20+66	LT	5'-0"	2.00%	3'-3"	-

* GRASS BUFFER BETWEEN RAMP AND ROADWAY

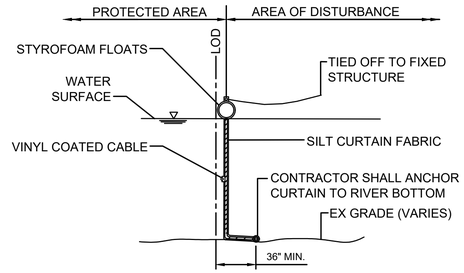


COMPOST AND SEED OVER RIPRAP

SCALE: N.T.S.

NOTES:

1. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
2. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROLS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL REPLACE DAMAGED EROSION CONTROLS AT THE OWNER AND ENGINEER'S REQUEST AT NO ADDITIONAL EXPENSE TO THE OWNER.
3. THE CONTRACTOR SHALL NOT LEAVE DISTURBED AREAS UNSTABILIZED FOR PERIODS MORE THAN 14 DAYS. PROVIDE TEMPORARY SEED OR MULCH ON DISTURBED AREAS THAT WILL REMAIN EXPOSED FOR GREATER THAN 14 DAYS.
4. REMOVE AND STOCKPILE LOAM WITHIN LIMITS OF CONSTRUCTION. EXISTING LOAM REQUIRES AMENDMENT PRIOR TO PLACEMENT. CONTRACTOR MAY ONLY EXPORT EXCESS LOAM NOT REQUIRED TO COMPLETE THE PROJECT.
5. TURBIDITY BARRIER TO REMAIN IN PLACE DURING ACTIVITIES CAUSING TURBID CONDITIONS. TURBIDITY BARRIER MAY BE REMOVED FROM OUTSIDE THE COFFERDAM ONLY AFTER ALL ACTIVITIES CAUSING DISTURBANCE TO SEDIMENT HAVE CEASED AND SUSPENDED PARTICLES HAVE SETTLED
6. SEED OVER COMPOST VARIES. REFER TO LANDSCAPE DRAWINGS FOR APPROPRIATE SEED MIX TYPE PER LOCATION.



NOTES:

1. TURBIDITY BARRIER TO REMAIN IN PLACE DURING ACTIVITIES CAUSING TURBID CONDITIONS. TURBIDITY BARRIER MAY BE REMOVED FROM OUTSIDE THE COFFERDAM ONLY AFTER ACTIVITIES CAUSING DISTURBANCE TO SEDIMENT HAVE CEASED AND SUSPENDED PARTICLES HAVE SETTLED.
2. REQUIRED DEPTH OF CURTAIN MAY VARY

TYPICAL TURBIDITY BARRIER

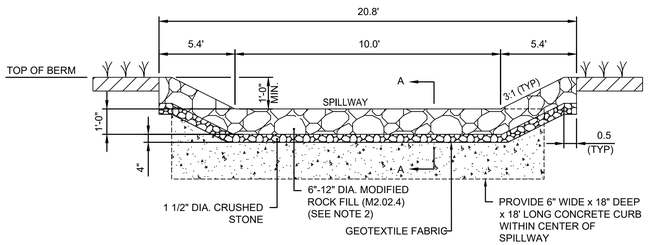
NOT TO SCALE

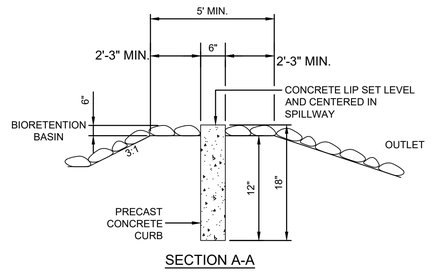
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	36	125
PROJECT FILE NO.	606352		

CONSTRUCTION DETAILS NO. 3

606352_HD(DETAILS).DWG Plotted on 31-Jul-2026 12:56 PM





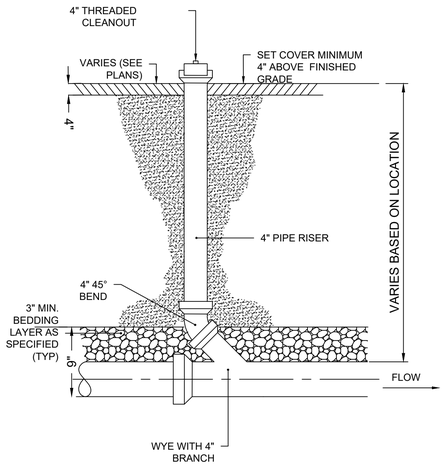
SECTION A-A

NOTES:

1. CONTRACTOR SHALL FILL VOIDS BETWEEN CURB SECTIONS WITH MORTAR.
2. SEED OVER COMPOST SHALL BE PER THE LANDSCAPE DRAWINGS.

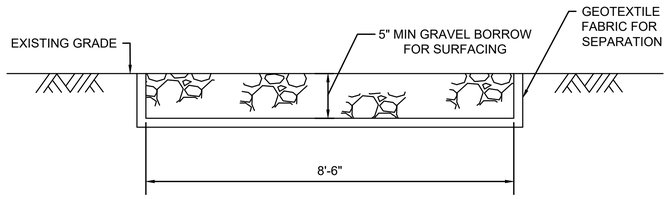
SPILLWAY DETAIL

NOT TO SCALE



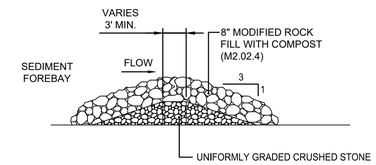
CLEANOUT DETAIL

NOT TO SCALE



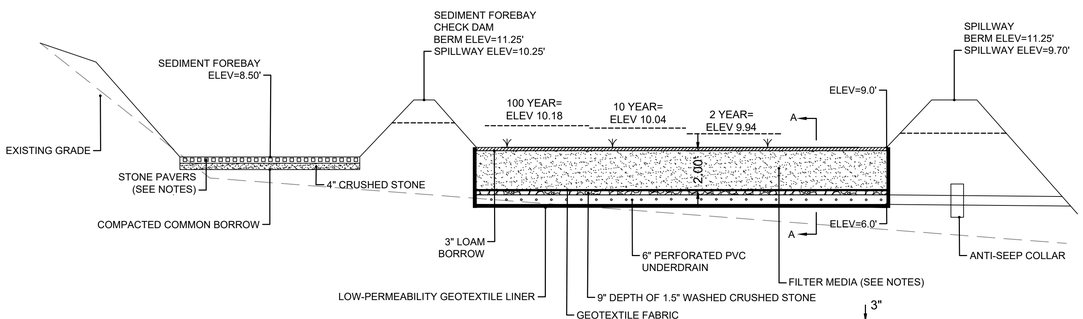
GRAVEL ACCESS ROAD -TYPICAL SECTION

NOT TO SCALE



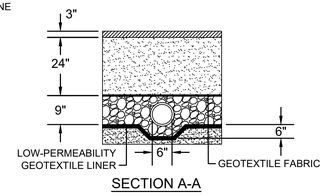
SEDIMENT FOREBAY CHECK DAM

NOT TO SCALE



BIORETENTION BASIN DETAIL

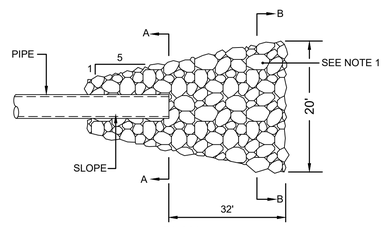
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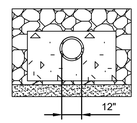
SECTION A-A

NOTES:

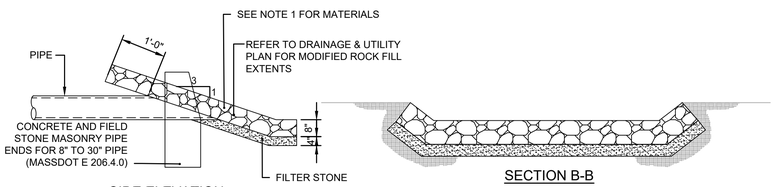
1. INDIVIDUAL PAVERS SHOULD HAVE A MINIMUM DEPTH OF 4 INCHES AND SHOULD BE PLACED WITH A 2-INCH SPACING ON ALL SIDES.
2. IF STONE PAVERS ARE NOT AVAILABLE, OTHER RIGID MATERIALS SUCH AS CONCRETE PAVERS MAY BE USED AS DIRECTED BY THE ENGINEER.
3. BIORETENTION SOIL MEDIA SHALL BE UNIFORM, FREE OF STONES, STUMPS, ROOTS, OR SIMILAR MATERIALS LARGER THAN 0.187 INCHES. NO COMPOST SHALL BE USED IN THE PLANTING MIX UNLESS SPECIFIED BY THE ENGINEER.
4. BIORETENTION SOIL MEDIA SHALL CONSIST 3 TO 10% ORGANIC CONTENT BY VOLUME, HAVE A SOIL pH BETWEEN 6 AND 7, HAVE A CATION EXCHANGE CAPACITY OF MINIMUM 10 mEq/100 mL AT pH OF 7.0, AND PARTICLE DISTRIBUTION OF:
   - 4.A. 5% MAXIMUM VERY COARSE SAND/GRAVEL
   - 4.B. 80-90% SAND
   - 4.C. 15% MAXIMUM SILT
   - 4.D. 5% MAXIMUM CLAY
5. SEED WITH STANDARD MASSDOT SEED MIXES FOR BASIN BOTTOM AND SIDE SLOPES IN ACCORDANCE WITH THE LANDSCAPE DRAWINGS AND SPECIAL PROVISIONS. REFER TO LANDSCAPE DRAWINGS FOR SEED TYPE AND LOCATION. REFER TO THE SPECIAL PROVISIONS FOR APPROPRIATE RATES.
6. LOW-PERMEABILITY LINER SHALL HAVE A MAXIMUM IN-SITU HYDRAULIC CONDUCTIVITY OF LESS THAN 0.03 FT/DAY.
7. TURF REINFORCEMENT JUTE MESH SHALL BE APPLIED ON ALL SLOPES 2H:1V OR STEEPER.
8. ANTI-SEEP COLLAR AND CLEANOUTS ARE CONSIDERED INCIDENTAL TO THE COST OF THE SUBDRAIN ITEM.



PLAN



SECTION A-A



SIDE ELEVATION

SECTION B-B

NOTE:

1. PROVIDE THE FOLLOWING MATERIALS WHERE INDICATED ON THE PLANS:
   1.1. MODIFIED ROCK FILL (M2.02.4)

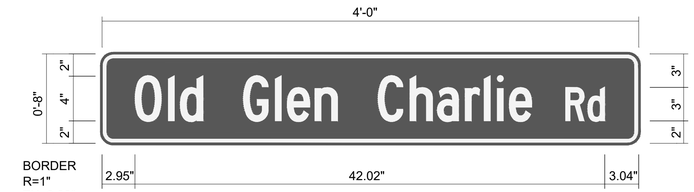
LEVEL SPREADER

NOT TO SCALE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	37	125
PROJECT FILE NO.	606352		

CONSTRUCTION DETAILS NO. 4

606352_HD(DETAILS).DWG Plotted on 31-Jul-2026 12:56 PM



MA-D3-1

SIGN COLORS

BACKGROUND: GREEN/YELLOW
BORDER: WHITE/BLACK
LETTERING: WHITE, MUTCD C SERIES FONT STYLE



MA-D1-6

SIGN COLORS

BACKGROUND: GREEN/YELLOW
BORDER: WHITE/BLACK
LETTERING: WHITE, MUTCD C SERIES FONT STYLE

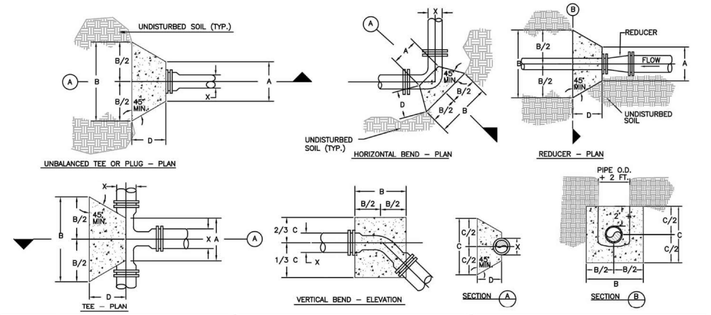


MA-D1-5

SIGN COLORS

BACKGROUND: GREEN/YELLOW
BORDER: WHITE/BLACK
LETTERING: WHITE, MUTCD C SERIES FONT STYLE

SIGN DETAILS
NOT TO SCALE



Line Pressure = 150 PSI, Soil Pressure = 2000 PSF — 90 DEGREE BEND					
Pipe Size	A	B	C	D	VOL. CONC.
4"	0'-10"	1'-11"	1'-11"	1'-6"	4± CF
6"	0'-10"	1'-11"	1'-11"	1'-6"	4± CF
8"	0'-10"	2'-7"	2'-7"	1'-6"	7± CF
12"	0'-10"	3'-10"	3'-10"	1'-6"	14± CF

Line Pressure = 150 PSI, Soil Pressure = 2000 PSF — 22–1/2 DEGREE BEND					
Pipe Size	A	B	C	D	VOL. CONC.
4"	0'-10"	1'-0"	1'-0"	1'-0"	1± CF
6"	0'-10"	1'-0"	1'-0"	1'-0"	1± CF
8"	0'-10"	1'-4"	1'-4"	1'-0"	1.5± CF
12"	0'-10"	2'-0"	2'-0"	1'-0"	3± CF

Line Pressure = 150 PSI, Soil Pressure = 2000 PSF — TEE & PLUG					
Pipe Size	A	B	C	D	VOL. CONC.
4"	0'-10"	1'-8"	1'-8"	1'-3"	3± CF
6"	0'-10"	1'-8"	1'-8"	1'-3"	3± CF
8"	0'-10"	2'-2"	2'-2"	1'-3"	4± CF
12"	0'-10"	3'-3"	3'-3"	1'-3"	8± CF

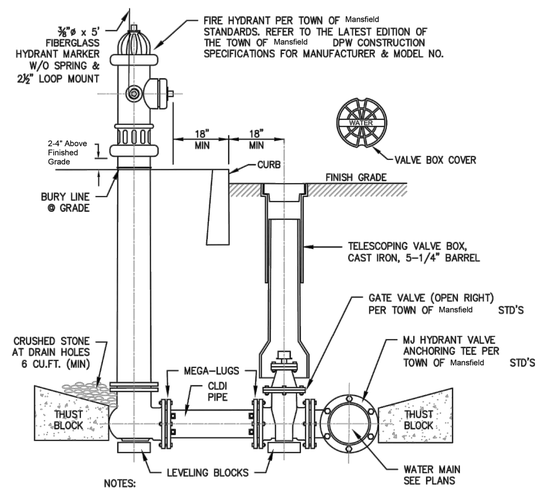
45 DEGREE BEND					
4"	0'-10"	1'-6"	1'-6"	1'-0"	2± CF
6"	0'-10"	1'-6"	1'-6"	1'-0"	2± CF
8"	0'-10"	1'-11"	1'-11"	1'-0"	3± CF
12"	0'-10"	2'-10"	2'-10"	1'-0"	5± CF

11–1/4 DEGREE BEND					
4"	0'-10"	0'-10"	0'-10"	1'-0"	0.7± CF
6"	0'-10"	0'-10"	0'-10"	1'-0"	0.7± CF
8"	0'-10"	1'-0"	1'-0"	1'-0"	1± CF
12"	0'-10"	1'-6"	1'-6"	1'-0"	2± CF

NOTES :

1. BLOCKING SHALL BE 3000 PSI CONCRETE.
2. 50lb FELT PAPER TO BE PLACED BETWEEN CONCRETE AND ALL PIPE SURFACES.
3. THE WATER LINE MUST BE LOWERED IN ORDER TO HAVE 4'-6" OF COVER AT THE BEND, TEE, REDUCER OR PLUG AT ALL LOCATIONS WHERE THESE FITTINGS ARE UTILIZED.

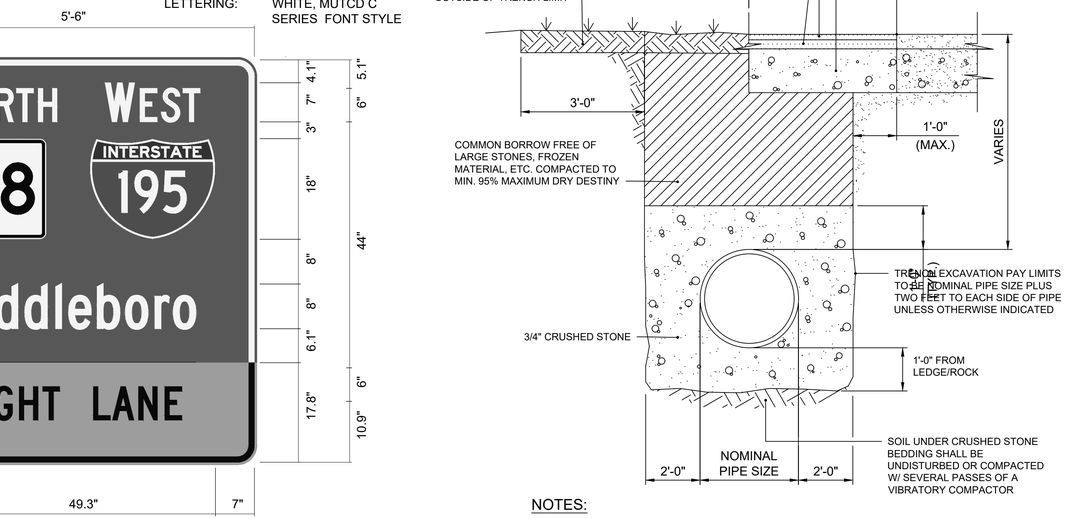
THRUST BLOCK
SCALE: NTS



NOTES:

1. HYDRANT MUST BE BURIED TO PROPER DEPTH (BURY LINE) TO ALLOW SUFFICIENT CLEARANCE TO BOLT/UNBOLT THE UPPER BARREL AND SAFETY FLANGES, IF NEEDED, INSTALL EXTENSION.
2. USE BOTH MEGA–LUG RESTRAINT GLANDS AND THRUST BLOCKS. THRUST BLOCKING SHALL HAVE A MINIMUM OF 3 SQUARE FEET AGAINST UNDISTURBED EARTH.

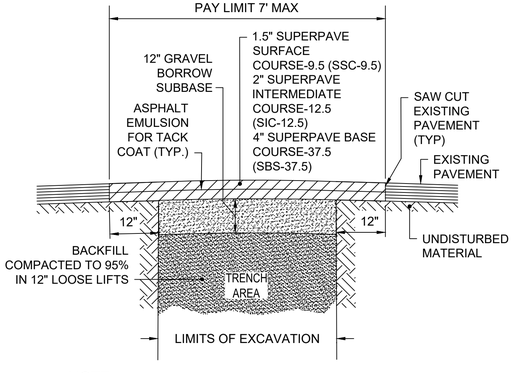
PROPOSED HYDRANT
SCALE: NTS



NOTES:

1. PAVEMENT INSTALLED BEYOND PAYMENT LINE MUST BE PRE-APPROVED BY THE ENGINEER.
2. THE FINISHED SURFACE OF THE PAVEMENT, AFTER COMPACTION, SHALL BE TRUE TO THE ESTABLISHED LINE AND GRADE OF THE EXISTING PAVEMENT.
3. CONTRACTOR SHALL RESET ALL STRUCTURES PRIOR TO PAVING. STRUCTURES SHALL MATCH FINAL GRADE.

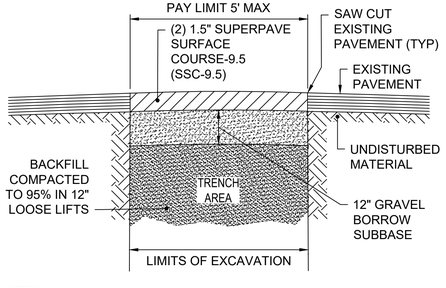
TYPICAL TRENCH DETAIL
NOT TO SCALE



NOTE:

1. RATE OF SLOPE TO MATCH EXISTING TOWARDS EDGE OF PAVEMENT.

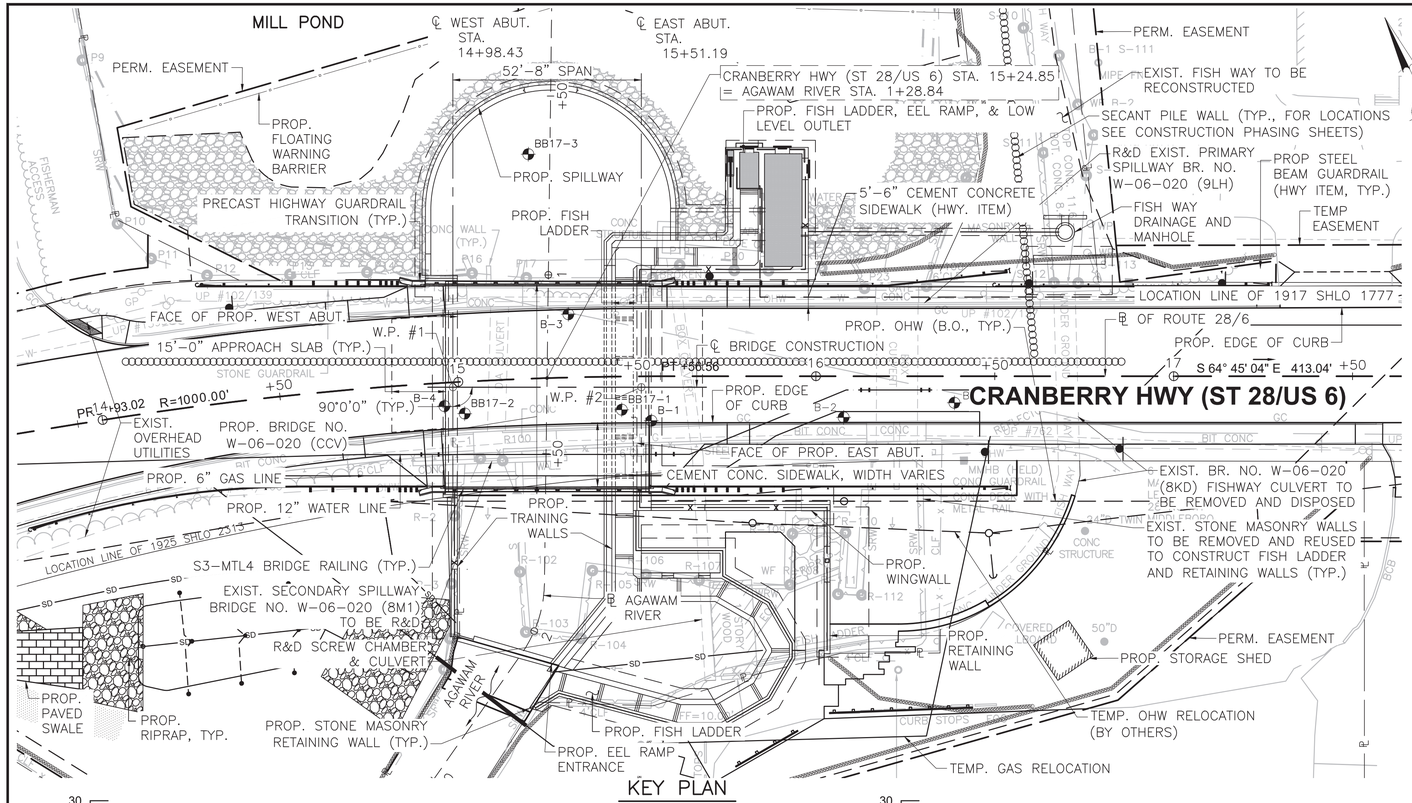
FULL DEPTH TRENCH PAVEMENT DETAIL
NOT TO SCALE



NOTES:

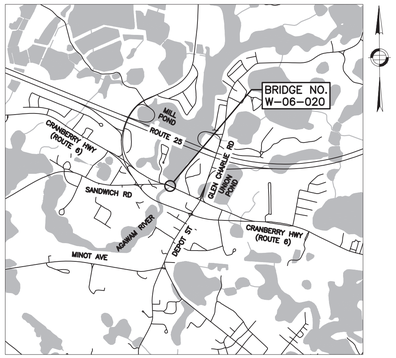
1. RATE OF SLOPE TO MATCH EXISTING TOWARDS EDGE OF PAVEMENT.
2. THE TEMPORARY TRENCH PATCH SHALL REMAIN IN PLACE FOR 45-90 CALENDAR DAYS PRIOR TO FULL- DEPTH TRENCH PATCHING.

TEMPORARY TRENCH PAVEMENT DETAIL
NOT TO SCALE



KEY PLAN

SCALE: 1" = 20'

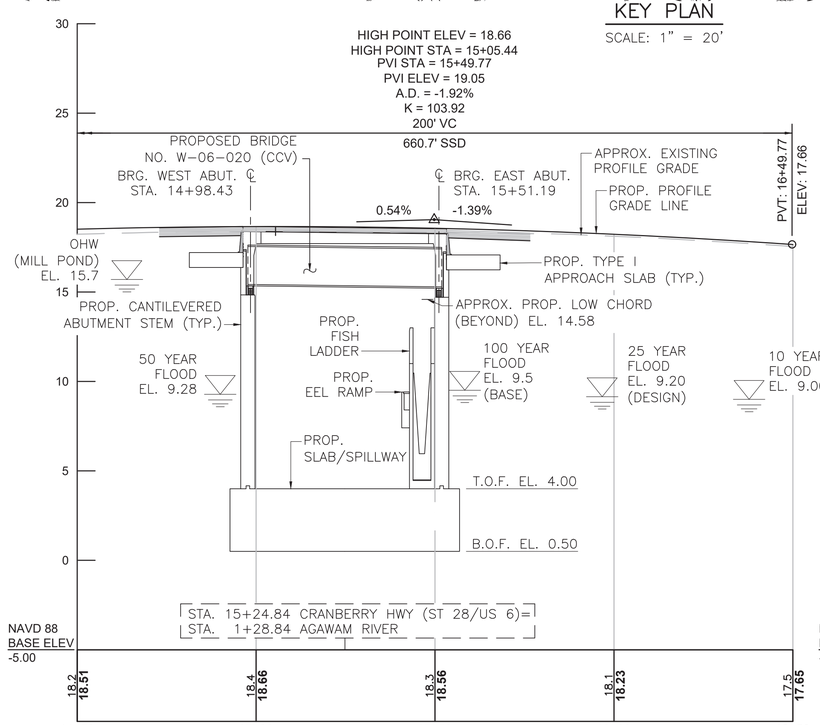


LOCUS

SCALE: 1"=2,000'

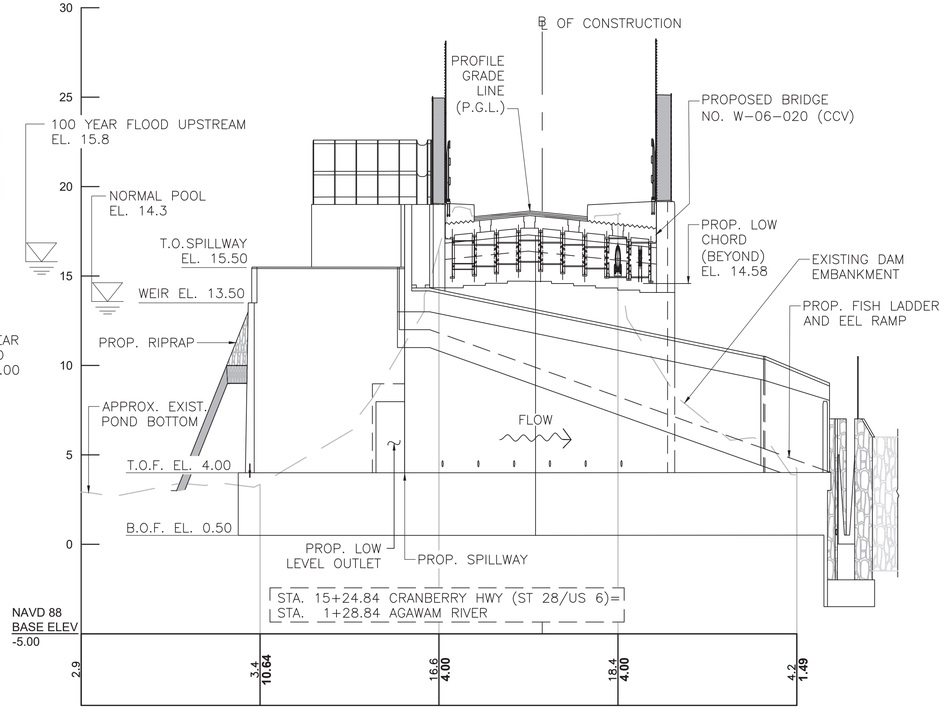
KEY PLAN NOTE:
NORTH BRIDGE SIDEWALK WIDTH: 6'-3⅛" MIN. TO 7"-10¾" MAX.
SOUTH BRIDGE SIDEWALK WIDTH: 16'-3" MIN. TO 17'-11⅜" MAX.

CONSTRUCTION WORKING POINTS				
W.P. #	STATION	OFFSET	NORTHING	EASTING
1	14+98.43	1.38' RT	N2739626.125	E880903.067
2	15+51.19	3.05' RT	N2739603.660	E880950.702



PROFILE – US 6 WB & ST 28 NB

HORIZONTAL 1"=20'
VERTICAL 1"=4'



PROFILE – SLAB/SPILLWAY

HORIZONTAL 1"=20'
VERTICAL 1"=4'

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	38	125
	PROJECT FILE NO. 606352		

KEY PLAN & INDEX

INDEX OF DRAWINGS

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10	BRIDGE & SPILLWAY ELEVATIONS
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29	FOOTING WORKING POINTS
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31	EAST ABUTMENT PLAN & ELEVATION
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75	TEMP. BRIDGE DECK DETAILS
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COMMONWEALTH OF MASSACHUSETTS
Gregory N. Berube
Structural
No. 40820
REGISTERED PROFESSIONAL ENGINEER

Gregory N. Berube, P.E. — Digitally signed by Gregory N. Berube, P.E. Date: 2026.08.05 15:50:39 -04'00'

PARE
PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

AUGUST 8, 2026 | ISSUED FOR CONSTRUCTION

massDOT
Massachusetts Department of Transportation
Highway Division

PROPOSED BRIDGE

WAREHAM

US 6 WB & ST 28 NB

OVER AGAWAM RIVER, FISH LADDER, AND EEL RAMP

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: 2026.08.05 16:08:10 -04'00'
STATE BRIDGE ENGINEER

Carrie Lavallee, P.E. — Digitally signed by Carrie Lavallee, P.E. Date: 2026.08.11 09:14:05 -04'00'
CHIEF ENGINEER

SHEET 01 OF 76 SHEETS BRIDGE NO. W-06-020 (CCV)

606352_BR1(W060020).DWG Plotted on 31-Jul-2026 12:49 PM

8-August-2026 Final Structural Submittal (SF)

GENERAL NOTES:

DESIGN
IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, 2020, FOR HL-93 LOADING.

EXISTING CONDITIONS
ALL DIMENSIONS AND DETAILS SHOWN FOR THE EXISTING STRUCTURE ARE BASED ON LIMITED FIELD MEASUREMENTS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS AND DETAILS NECESSARY FOR COMPLETION OF ALL WORK BY FIELD MEASUREMENTS 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/SHE HAS MADE THE REQUIRED MEASUREMENTS ON THE ACTUAL STRUCTURE AND THE EXTENT OF THE PROPOSED WORK HAS BEEN APPROVED BY THE ENGINEER. EXISTING STRUCTURE IS SHOWN THUS — — — — — — — — EXCEPT AS NOTED.

SURVEY NOTEBOOKS
ELECTRONIC SURVEY WAS USED. A COPY OF THE DATA FILE MAY BE OBTAINED FROM THE MASSDOT.

BENCHMARK
STATION #203: MAG. NAIL SET IN SIDEWALK, N2739701.77 E880739.15, EL. 18.07
STA. 12+90.94, OFF 105.63 LT
STATION #205: MAG. NAIL SET IN SIDEWALK, N2739532.32 E881072.28, EL. 17.13
STA. 16+91.60, OFF 15.73 RT

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

DATE
DATE TO BE PLACED ON THE INSIDE FACE OF THE NORTHEAST AND SOUTHWEST HIGHWAY GUARDRAIL TRANSITIONS. A SHEET SHOWING THE 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.

FOUNDATIONS
FOUNDATIONS MAY BE ALTERED, IF NECESSARY, TO SUIT CONDITIONS ENCOUNTERED DURING CONSTRUCTION, WITH THE APPROVAL OF THE ENGINEER. THE GEOTECHNICAL REPORT, REVISED MARCH 2026, IS AVAILABLE UPON REQUEST.

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

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

MODIFICATION CONDITION	#4 BARS	#5 BARS	#6 BARS	#7 BARS	#8 BARS
1. NONE	16"	17"	21"	33"	38"
2. 12" OF CONCRETE BELOW BAR	18"	22"	27"	43"	49"
3. COATED BARS, COVER < $3d_b$, OR CLEAR SPACING < $6d_b$	21"	26"	31"	50"	57"
4. COATED BARS, ALL OTHER CASES	17"	21"	25"	56"	64"
5. CONDITION 2. AND 3.	23"	29"	35"	56"	64"
6. CONDITION 2. AND 4.	21"	27"	32"	56"	64"

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

ALL REINFORCING STEEL SHALL BE EPOXY COATED.

LAP LENGTHS ABOVE ARE BASED ON 5000 PSI CONCRETE STRENGTH.

UTILITIES
THE CONTRACTOR SHALL LOCATE AND PROTECT FROM DAMAGE ALL EXISTING UTILITIES.

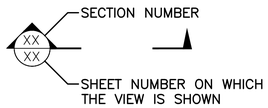
MEMBRANE WATERPROOFING
ALL MEMBRANE WATERPROOFING USED ON BRIDGE DECKS SHALL BE MEMBRANE WATERPROOFING FOR BRIDGE DECKS – SPRAY APPLIED.

CONCRETE MIXES
ALL CONCRETE SHALL BE 5000 HP CONCRETE. CORROSION INHIBITING ADMIXTURES ARE NOT REQUIRED FOR THE TEMPORARY COFFERDAM CONCRETE.

STRUCTURAL STEEL
ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 50 UNLESS OTHERWISE NOTED HEREIN. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL BE GALVANIZED. THE STRUCTURAL STEEL FOR THE TEMPORARY BRIDGE SHALL BE UNCOATED.

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

SECTION MARK



ESTIMATED QUANTITIES (NOT GUARANTEED)		
STORAGE FACILITY OR BUILDING	1	LS
STEEL GRATING FOR WALK	400	SF
ALUMINUM GRATING FOR WALK	360	SF
ALUMINUM SLIDE GATE	1	LS
SHED DISPOSAL	1	LS
DEMOLITION OF BRIDGE NO. W-06-020 (9LH)	1	LS
DEMOLITION OF BRIDGE NO. W-06-020 (8M1)	1	LS
DEMOLITION OF BRIDGE NO. W-06-020 (8KD)	1	LS
DEMOLITION OF TEMPORARY BRIDGE	1	LS
MUCK EXCAVATION	500	CY
REINFORCED CONCRETE EXCAVATION	330	CY
BRIDGE EXCAVATION	7650	CY
GRAVEL BORROW FOR BACKFILLING STRUCTURES AND PIPES	2300	CY
CONTROLLED LOW-STRENGTH MATERIAL – MANUAL EXCAVATABLE	220	CY
CRUSHED STONE	380	TON
FINE GRADING AND COMPACTING – SUBGRADE AREA	390	SY
MANHOLE (9 TO 14 FOOT DEPTH)	1.33	EA
24 INCH REINFORCED CONCRETE PIPE	70	LF
12 INCH DUCTILE IRON INSULATED PIPE (BRIDGE)	104	FT
10 INCH STEEL CASING FOR GAS PIPE	60	LF
SUPERPAVE BRIDGE SURFACE COURSE – 9.5 POLYMER (SSC-B-9.5-P)	32	TON
SUPERPAVE BRIDGE PROTECTIVE COURSE – 9.5 POLYMER (SPC-B-9.5-P)	32	TON
72 INCH CHAIN LINK FENCE (PIPE TOP RAIL (LINE POST OPTION)	230	FT
ORNAMENTAL PICKET FENCE AND GATE	220	FT
CHAIN LINK FENCE REMOVED AND STACKED	180	FT
STONE MASONRY WALL IN CEMENT MORTAR	40	CY
STONE MASONRY VENEER	75	SY
STONE MASONRY WALL REMOVED AND REBUILT IN CEMENT MORTAR	150	CY
GRANITE CAPSTONE	305	FT
STONE MASONRY REMOVED AND STACKED	330	CY
GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL	960	SY
LOAM FOR LAWNS	30	CY
SEEDING	30	SY
WARNING SIGNS AND BUOYS	1	LS
5000 PSI, 0.75IN., 685 HP CEMENT CONCRETE	1130	CY
STEEL REINFORCEMENT FOR STRUCTURES – EPOXY COATED	136000	LB
MECHANICAL REINFORCING BAR SPLICERS	1800	EA
SECANT WALLS	1	LS
TEMPORARY SHORING	1	LS
STRUCTURAL STEEL – COATED STEEL	920	LB
BITUMINOUS DAMP PROOFING	1910	SF
ALUMINUM HANDRAIL	70	FT
ALUMINUM WEIR	25	EA
ALUMINUM STOP LOGS	70	FT
RIPRAP	850	TON
STREAMBED FILL	160	CY
MODIFIED ROCKFILL	120	TON
CONTROL OF WATER – STRUCTURE NO. W-06-020 (CCV)	1	LS
TEMPORARY SUPPORTS FOR UTILITIES	1	LS
TEMPORARY BRIDGE STRUCTURE	1	LS
BRIDGE STRUCTURE – BRIDGE NO. W-06-020 (CCV)	1	LS

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	39	125
PROJECT FILE NO. 606352			

GENERAL NOTES AND QUANTITIES

TRAFFIC DATA	ROADWAY OVER	ROADWAY UNDER
DESIGN YEAR	2043	
AVERAGE DAILY TRAFFIC – PRESENT	14,255	
AVERAGE DAILY TRAFFIC – DESIGN YEAR	16,260	
DESIGN HOURLY VOLUME	1,464	
DIRECTIONAL DISTRIBUTION	N/A	
TRUCK PERCENTAGE – AVERAGE DAY	9%	
TRUCK PERCENTAGE – PEAK HOUR	9%	
DESIGN SPEED	40 MPH	
DIRECTIONAL DESIGN HOURLY VOLUME	N/A	

SEISMIC DESIGN CRITERIA	
DESIGN RETURN PERIOD:	2500 YEARS
DESIGN SPECTRA	
As	0.126
SDs	0.210
SD1	0.113
SITE CLASS	D
SEISMIC DESIGN CATEGORY (SDC)	A

HYDRAULIC DESIGN DATA	
DRAINAGE AREA (SQ. MILES)	7.7
DESIGN FLOOD DISCHARGE (C.F.S.)	111
DESIGN FLOOD FREQUENCY (YEARS)	25
DESIGN FLOOD VELOCITY (F.P.S.)	0.5
DESIGN FLOOD ELEVATION (FEET, NAVD)	9.2
BASE (100-YEAR) FLOOD DATA	
BASE FLOOD DISCHARGE (C.F.S.)	185
BASE FLOOD ELEVATION (FEET, NAVD)	9.5
DESIGN AND CHECK SCOUR DATA	
DESIGN SCOUR FLOOD EVENT RETURN FREQUENCY (YEARS)	50
DESIGN FLOOD ABUTMENT SCOUR DEPTH (FEET)	N/A
DESIGN FLOOD PIER SCOUR DEPTH (FEET)	N/A
CHECK SCOUR FLOOD EVENT RETURN FREQUENCY (YEARS)	100
CHECK FLOOD ABUTMENT SCOUR DEPTH (FEET)	N/A
CHECK FLOOD PIER SCOUR DEPTH (FEET)	N/A
FLOOD OF RECORD	
DISCHARGE (C.F.S.)	UNKNOWN
FREQUENCY (IF KNOWN, YEARS)	UNKNOWN
MAXIMUM ELEVATION (FEET, NAVD)	UNKNOWN
DATE (MM/YYYY)	UNKNOWN
HISTORY OF ICE FLOES	N
EVIDENCE OF SCOUR AND EROSION	N

TEMPORARY WATER CONTROL DESIGN DATA	
UPSTREAM	
DESIGN FLOOD DISCHARGE (C.F.S.)	155
DESIGN FLOOD FREQUENCY (YEARS)	100
DESIGN FLOOD VELOCITY (F.P.S.)	N/A
DESIGN FLOOD ELEVATION (FEET, NAVD)	16.3
DOWNSTREAM	
DESIGN FLOOD DISCHARGE (C.F.S.)	N/A
DESIGN FLOOD FREQUENCY (YEARS)	TIDAL
DESIGN FLOOD VELOCITY (F.P.S.)	N/A
DESIGN FLOOD ELEVATION (FEET, NAVD)	4.8

DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

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

606352_BR2(W060020).DWG Plotted on 31-Jul-2026 12:50 PM
8-August-2026
Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	40	125
	PROJECT FILE NO. 606352		

BORING LOGS NO. 1

BORING LOG B-1
SCALE: 1"=5'

STATION 3+50.23 OFFSET 15.42' RT, N2739594.01 E880949.22

NEW HAMPSHIRE BORING, INC.
P.O. Box 165
Derry, NH 03038
Phone: (603)437-1610
Fax: (603) 437-0034
E Mail: nhb@nhboring.com

Boring No. B-1
Scale 1" = 5'

City/Town: Wareham | Borings for MHD Dam Evaluations | Project File No: 601878 | Contract No: 43223

Project: Route 28 Westbound (Cranberry Highway) over MillPond Dam | Date & Time Started: 11-24-08 11:00AM | Total Hours: 4.5

Groundwater Depth: 12' | Date & Time: 11-24-08 12:40PM | Date & Time Completed: 11-24-08 3:30PM

Coordinates: N 2739594.01 E 880949.22 | Driller's Name: Manlea Thompson | Helper's Name: Sean Burto

Ground Elevation: 17.95 | Inspector's Name: Varinia Arauco Vera | Inspector's Company: PARE Corporation

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot				Recovery Inches	Field Description	Strata Changes
							ASPHALT	7" *
							Gravel, ROADBASE 5"	
S-1	1' - 3'	34	26	17	12	24"	Dry, dense, black-brown, FINE TO COARSE SAND, some fine gravel, trace ash, trace inorganic silt.	
S-2	3' - 5'	11	19	15	11	12"	Dry, dense, brown, COARSE TO FINE SAND, trace fine gravel, trace inorganic silt.	
	5' - 7'	18	17	14	13	0"	No Recovery	
S-3	7' - 9'	10	9	5	6	10"	Dry, medium dense, brown-tan, FINE TO COARSE SAND, trace inorganic silt, trace fine gravel, trace ash.	
S-4	9' - 11'	11	5	5	5	20"	Dry, loose, black, FINE TO COARSE SAND, some fine gravel, trace ash.	
S-5	11' - 13'	8	6	5	4	22"	Wet, medium dense, tan, FINE TO COARSE SAND, trace inorganic silt, switched to HW 4" casing at 13'.	
S-6	15' - 17'	9	4	4	2	10"	Wet, loose, gray, FINE TO COARSE SAND, some wood, trace inorganic silt.	
S-7	20' - 22'	6	5	7	7	12"	Wet, medium dense, gray, FINE TO COARSE SAND, trace inorganic silt.	
								23'5"
							BOULDER 23'5" to 24'9"	24'9"
S-8	25' - 27'	20	23	26	25	15"	Wet, dense, tan, FINE SAND and INORGANIC SILT, trace fine gravel.	27"
							Bottom of Exploration = 27'	

Remarks: * = 12"
Changed location - boring moved prior to drilling 4' north on the roadway due to gas line.

Arrow-Board: Signs: 2 Cones: 25

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

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

Type of Drill Rig: CME 550X

Augers: HSA Size: 2.25" Depth: 13'
Casing: HW Size: 4" Depth: 25'
Hammer Weight: 300 lbs.
Fall: 30"

Sampler Type: S/S Size: 1 3/8"
Automatic Hammer Weight:
Safety Hammer Weight: 140 lbs.
Donut Hammer Weight:
Fall: 30"

Core Barrel Type: Size:

18.00 — ELEV. = 17.37
ELEV. = 16.95
13.00
OBS. GROUNDWATER ELEV. = 5.93 ▽
8.00
3.00 — BOTTOM OF ABUT. ELEV. = 4.00
−2.00 — BOTTOM OF FOOTING/ CUTOFF WALL ELEV. = 0.5
ELEV. = −5.47
−7.00 — ELEV. = −6.80
ELEV. = −9.05
−12.00
−30.00 — BOTTOM OF SECANT WALL COFFERDAM ELEV. −30.00±

BORING LOG B-2
SCALE: 1"=5'

STATION 4+03.99 OFFSET 14.50' RT, N2739571.92 E880998.23

NEW HAMPSHIRE BORING, INC.
P.O. Box 165
Derry, NH 03038
Phone: (603)437-1610
Fax: (603) 437-0034
E Mail: nhb@nhboring.com

Boring No. B-2
Scale 1" = 5'

City/Town: Wareham | Borings for MHD Dam Evaluations | Project File No: 601878 | Contract No: 43223

Project: Route 28 Westbound (Cranberry Highway) over MillPond Dam | Date & Time Started: 12-01-08 9:00AM | Total Hours: 3.75

Groundwater Depth: 7' | Date & Time: 12-01-08 10:00AM | Date & Time Completed: 12-01-08 12:45PM

Coordinates: N 2739571.92 E 880998.23 | Driller's Name: Manlea Thompson | Helper's Name: Sean Burto

Ground Elevation: 17.71 | Inspector's Name: Varinia Arauco Vera | Inspector's Company: PARE Corporation

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot				Recovery Inches	Field Description	Strata Changes
							ASPHALT	9" *
							Gravel, ROADBASE 3"	
S-1	1' - 3'	15	13	12	7	12"	Dry, medium dense, brown, FINE TO COARSE SAND, some fine gravel, trace inorganic silt.	
S-2	3' - 5'	7	8	6	6	10"	Moist, medium dense, tan, FINE TO COARSE SAND, some fine gravel, some inorganic silt.	
S-3	5' - 7'	7	5	4	2	10"	Wet, loose, tan, FINE TO COARSE SAND, some fine gravel, trace inorganic silt.	
S-4	7' - 9'	2	1	1	2	8"	Wet, very loose, tan, FINE TO COARSE SAND, some inorganic silt, trace fine gravel. Switched to 4" casing at 9'.	
S-5	10' - 12'	4	2	2	5	8"	Wet, very loose, tan, FINE TO COARSE SAND, trace fine gravel, trace inorganic silt.	
S-6	15' - 17'	13	15	14	21	20"	Wet, medium dense, tan FINE SAND, some inorganic silt.	
S-7	20' - 22'	23	21	20	17	10"	Wet, dense, tan, FINE TO COARSE SAND, some inorganic silt, trace fine gravel.	
S-8	25' - 27'	15	16	13	17	10"	Wet, medium dense, tan, FINE TO COARSE SAND, some inorganic silt, some fine gravel.	27"
							Bottom of Exploration = 27'	

Remarks: * = 12"
Changed location - boring moved prior to drilling 5' north on the roadway due to gas line.

Arrow-Board: Signs: 2 Cones: 25

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

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

Type of Drill Rig: CME 550X

Augers: HSA Size: 2.25" Depth: 9'
Casing: HW Size: 4" Depth: 25'
Hammer Weight: 300 lbs.
Fall: 30"

Sampler Type: S/S Size: 1 3/8"
Automatic Hammer Weight:
Safety Hammer Weight: 140 lbs.
Donut Hammer Weight:
Fall: 30"

Core Barrel Type: Size:

18.00 — ELEV. = 16.96
ELEV. = 16.71
13.00
OBS. GROUNDWATER ELEV. = 10.52 ▽
8.00
3.00 — BOTTOM OF ABUT. ELEV. = −1.00
−2.00 — BOTTOM OF FOOTING/ CUTOFF WALL ELEV. = −3.00
−7.00
ELEV. = −9.29
−12.00
BOTTOM OF SECANT WALL COFFERDAM ELEV. −30.00±

BORING NOTES:

1. LOCATION OF BORINGS SHOWN ON THE PLAN THUS: ⊕ BB-#
2. BORINGS ARE TAKEN FOR THE PURPOSE OF DESIGN AND SHOW CONDITIONS AT THE 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.
4. FIGURES IN COLUMNS INDICATE NUMBER OF BLOWS REQUIRED TO DRIVE A 1 3/8" I.D. SPLIT SPOON SAMPLER 6" WITH 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 NOVEMBER AND DECEMBER 2008, MAY 2010, SEPTEMBER AND OCTOBER 2017, AND APRIL 2018
7. BORINGS WERE MADE BY NEW HAMPSHIRE BORING, INC., 40 FORDWAY STREET, DERRY NH 03038, NOW NEW ENGLAND BORING CONTRACTORS.
8. THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 IS USED THROUGHOUT.

GROUND WATER:

THE WATER LEVELS RECORDED IN THE TABLE ARE THOSE MEASURED ON THE DATES GIVEN AND DO NOT NECESSARILY REPRESENT GROUND WATER LEVEL AT TIME OF CONSTRUCTION.

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

606362_BR3-8(W060020).DWG Plotted on 31-Jul-2026 12:50 PM
8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)–003S(925)X	41	125
	PROJECT FILE NO. 606352		

BORING LOGS NO. 2

BORING LOG B–3

SCALE: 1"=5'

STATION 3+27.03 OFFSET 14.32' LT, N2739630.81 E880940.93

NEW HAMPSHIRE BORING, INC.
P.O. Box 165
Derry, NH 03038
Phone: (603)437-1610
Fax: (603) 437-0034
E Mail: nhb@nhboring.com

Boring No. B-3
Scale 1" = 5'

City/Town: Wareham | Borings for MHD Dam Evaluations | Project File No: 601878 | Contract No: 43223
Project: Route 28 Westbound (Cranberry Highway) over Mill Pond Dam | Date & Time Started: 12-01-08 1:00PM | Total Hours: 5.5
Groundwater Depth: 8' | Date & Time: 12-01-08 2:00PM | Date & Time Completed: 12-02-08 11:30AM
Coordinates: N 2739630.81 E 880940.93 | Driller's Name: Manlea Thompson | Helper's Name: Sean Burto
Ground Elevation: 18.24 | Inspector's Name: Varinia Arauco Vera | Inspector's Company: PARE Corporation

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot	Recovery Inches	Field Description	Strata Changes
				ASPHALT	9"
				Gravel, ROADBASE 3"	1'
S-1	1' - 3'	41 37 25 25	20"	Dry, very dense, black, FINE TO COARSE SAND, some inorganic silt, trace fine gravel.	
S-2	3' - 4'6"	19 23 24	14"	Dry, dense, tan-gray, FINE TO COARSE SAND, some inorganic silt, trace fine gravel.	4'6"
S-2A	4'6" - 5'	16	6"	Moist, medium dense, tan, FINE SAND, some inorganic silt, trace fine gravel.	
S-3	5' - 7'	12 12 14 13	22"	Moist, medium dense, tan, FINE SAND, trace inorganic silt.	
S-4	7' - 8'	12 10	12"	Wet, medium dense, gray, FINE TO COARSE SAND, some inorganic silt.	8'
S-4A	8' - 9'	7 8	12"	Wet, medium dense, black, WOOD and organic material, (leaves and roots), switched to HW 4" casing at 9'.	9'
S-5	9' - 11'	4 5 7 10	24"	Wet, medium dense, gray, FINE SAND, trace inorganic silt, trace wood.	
S-6	15' - 16'6"	1 1 1	10"	Wet, very loose, tan, FINE SAND, trace inorganic silt.	16'6"
S-6A	16'6"- 17'	1	6"	Wet,very loose, black, FINE SAND, trace organic silt.	18'
S-7	20' - 22'	11 12 23 17	10"	Wet, dense, gray, FINE SAND and inorganic silt lenses, some coarse sand, trace cobbles.	22'6"
S-8	25' - 27'	23 23 34 55	12"	Wet, very dense, tan, FINE TO COARSE SAND, trace inorganic silt, trace cobbles.	27'
				Bottom of Exploration = 27'	

Remarks: * = 12"
Changed location - boring moved prior to drilling 9' south due to underground utilities and overhead power lines.

Arrow-Board: Signs: 2 Cones: 25

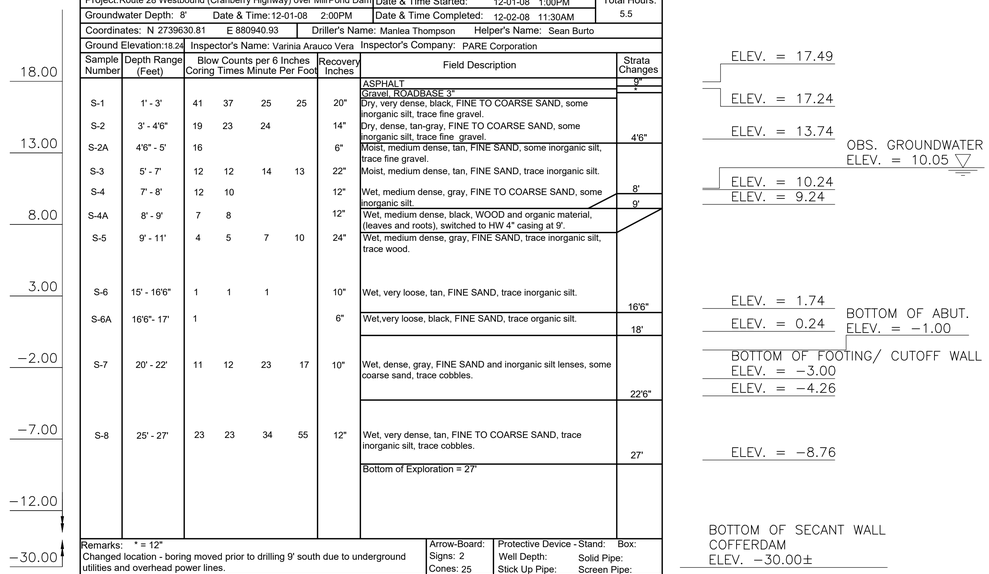
Protective Device - Stand: Box: Well Depth: Solid Pipe: Stick Up Pipe: Screen Pipe:

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

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

Type of Drill Rig: CME 550X
Augers: HSA Size: 2.25" Depth: 9'
Casing: HW Size: 4" Depth: 25'
Hammer Weight: 300 lbs.
Fall: 30"
Sampler Type: S/S Size: 1 3/8"
Automatic Hammer Weight:
Safety Hammer Weight: 140 lbs.
Donut Hammer Weight:
Fall: 30"
Core Barrel Type: Size:



BORING LOG B–4

SCALE: 1"=5'

STATION 2+92.33 OFFSET 11.37' RT, N2739622.34 E880898.65

NEW HAMPSHIRE BORING, INC.
P.O. Box 165
Derry, NH 03038
Phone: (603)437-1610
Fax: (603) 437-0034
E Mail: nhb@nhboring.com

Boring No. B-4
Scale 1" = 5'

City/Town: Wareham | Borings for Dam Evaluations and Concrete Box Culvert | Project File No: Not Known | Contract No: 58732
Project: Route 28 Westbound (Cranberry Highway) over the (*) | Date & Time Started: 05-04-10 12:40PM | Total Hours: 4
Groundwater Depth: 9' | Date & Time: 05-05-10 11:10 | Date & Time Completed: 05-05-10 11:00AM
Coordinates: N 27396223 E 880898.7 | Driller's Name: Donald Dunklee | Helper's Name: Robert Brennan
Ground Elevation: 18.2' | Inspector's Name: Shane Souza | Inspector's Company: PARE Corporation

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot	Recovery Inches	Field Description	Strata Changes
S-1	1' - 3'	51 39 20 12	9"	Dry, very dense, brown, FINE SAND, some coarse sand, trace inorganic silt.	
S-2	3' - 5'	7 8 8 6	14"	Dry, medium dense, brown, FINE SAND, trace coarse sand, trace inorganic silt.	
S-3	5' - 7'	8 6 6 7	6"	Dry, medium dense, brown, FINE SAND, trace coarse sand, trace inorganic silt.	
S-4	7' - 9'	6 7 6 6	7"	Moist, medium dense, brown, FINE SAND, trace coarse sand, trace inorganic silt.	
S-5	9' - 11'	7 5 3 1	6"	Wet, loose, brown, FINE SAND, some coarse sand trace inorganic silt.	11'
S-6	11' - 13'	2 3 2 2	10"	Wet, loose, brown, COARSE SAND AND FINE SAND, trace inorganic silt.	
S-7	13' - 15'	3 1 0 1	12"	Wet, very loose, black, COARSE SAND AND FINE SAND, trace inorganic silt.	15'
S-8	15' - 17'	8 16 33 27	10"	Wet, hard, light brown, INORGANIC SILT AND FINE SAND , trace coarse sand.	
S-9	20' - 21'10"	11 22 32 120/4"	16"	Wet, very dense, light brown, FINE SAND AND INORGANIC SILT, trace coarse sand.	
S-10	25' - 27'	19 21 22 28	15"	Wet, dense, light brown, FINE SAND, some inorganic silt, trace coarse sand.	
S-11	30' - 32'	10 14 26 33	3"	Wet, dense, light brown, FINE SAND, some inorganic silt trace coarse sand.	32'
				Bottom of Exploration = 32'	

Remarks: (*) Agawam Mill Pond Dam. No hollow stem augers used.
Changed location: boring moved from N2739619.6, E880897.4 to N2739622.3, E880898.7 because of gas line.

Arrow-Board: Signs: 3 Cones: 28

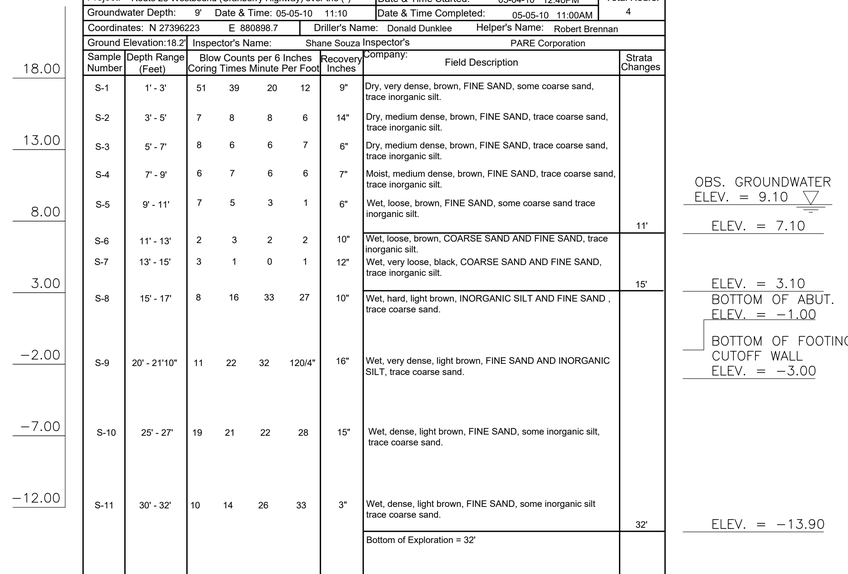
Protective Device - Stand: Box: Well Depth: Solid Pipe: Stick Up Pipe: Screen Pipe:

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

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

Type of Drill Rig: Diedrich D-90
Augers: Size: Depth:
Casing: HW Size: 4" Depth: 30'
Hammer Weight: 300 lbs.
Fall: 30"
Sampler Type: S/S Size: 1 3/8"
Automatic Hammer Weight: 140 lbs.
Safety Hammer Weight:
Donut Hammer Weight:
Fall: 30"
Core Barrel Type: Size:



AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

606352_BR3-8(W060020).DWG Plotted on 31-Jul-2026 12:50 PM
8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	42	125
	PROJECT FILE NO. 606352		

BORING LOGS NO. 3

606352_BR3-8(W060020).DWG Plotted on 31-Jul-2026 12:50 PM

BORING LOG B-5
SCALE: 1"=5'

STATION 4+04.30 OFFSET 8.52' LT, N2739592.60 E881008.33

massDOT Highway	NEW HAMPSHIRE BORING, INC. P.O. Box 165 Derry, NH 03038	Phone: (603)437-1610 Fax: (603) 437-0034 E Mail: nhb@nhboring.com	Boring No. B-5 Scale 1" = 5'
City/Town: Wareham	Borings for Dam Evaluations and Concrete Box Culvert	Project File No: No Known	Contract No: 58732
Project: Route 28 Westbound (Cranberry Highway) over the (*)	Date & Time Started: 05-04-10 2:00PM		Total Hours: 3.5
Groundwater Depth: 9' Date & Time: 05-04-10 11:10 AM	Date & Time Completed: 05-05-10 11:30AM		
Coordinates: N 2739592.6 E 881008.3	Driller's Name: Donald Dunklee	Helper's Name: Robert Brennan	
Ground Elevation:17.9'	Inspector's Name: Shane Souza	Inspector's Company: PARE Corporation	

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot	Recovery Inches	Field Description	Strata Changes
				ASPHALT	12"
S-1	1' - 1'4"	120/4"	4"	Dry, very dense, black, COARSE SAND, some fine sand.	
S-2	3' - 5'	8 13 10 8	20"	Dry, medium dense, black, FINE SAND, trace inorganic silt.	
S-3	5' - 7'	6 6 5 5	16"	Wet, medium dense, brown, FINE SAND, trace coarse sand.	
S-4	7' - 9'	4 2 2 2	24"	Wet, loose, brown, FINE SAND.	
S-5	9' - 11'	5 5 4 4	6"	Wet, loose, brown, FINE SAND, trace coarse sand.	
S-6	11' - 13'	10 11 11 12	12"	Wet, medium dense, brown, FINE SAND.	
S-7	13' - 15'	11 11 10 9	14"	Wet, medium dense, dark brown, FINE SAND, some coarse sand.	
S-8	20' - 22'	15 18 17 16	12"	Wet, dense, light brown, FINE SAND, some coarse sand, trace inorganic silt.	
S-9	25' - 27'	14 16 20 14	15"	Wet, dense, light brown, FINE SAND, some coarse sand, trace inorganic silt.	
S-10	30' - 32'	13 14 16 17	14"	Wet, dense, brown, FINE SAND, some coarse sand.	32'
				Bottom of Exploration = 32'	

18.00 · 13.00 · 8.00 · 3.00 · −2.00 · −7.00 · −12.00 · −30.00

ELEV. = 16.90

OBS. GROUNDWATER ELEV. = 8.90 ▽

BOTTOM OF ABUT. ELEV. = −1.00

BOTTOM OF FOOTING/ CUTOFF WALL ELEV. = −3.00

ELEV. = −14.10

BOTTOM OF SECANT WALL COFFERDAM ELEV. −30.00±

Remarks: (*) Agawam Mill Pond Dam No hollow stem augers used. Changed location: boring moved from N2739895.3, E881009.6 to N2739592.6, E881008.3 because of water main. Water level reading time different from ending time due to finishing at 11:10am and relocating to another site at 11:30am.

Arrow-Board: Signs: 3 Cones: 25

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

Type of Drill Rig: Diedrich D-90

Augers: Size: Depth: Casing: HW Size: 4" Depth: 30' Hammer Weight: 300 lbs. Fall: 30"

Sampler Type: S/S Size: 1 3/8" Automatic Hammer Weight: 140 lbs. Safety Hammer Weight: Donut Hammer Weight: Fall: 30"

Core Barrel Type: Size:

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

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

BORING LOG B-6
SCALE: 1"=5'

STATION 4+34.93 OFFSET 10.42' RT, N2739562.41 E881027.96

massDOT Highway	NEW HAMPSHIRE BORING, INC. P.O. Box 165 Derry, NH 03038	Phone: (603)437-1610 Fax: (603) 437-0034 E Mail: nhb@nhboring.com	Boring No. B-6 Scale 1" = 5'
City/Town: Wareham	Borings for Dam Evaluations and Concrete Box Culvert	Project File No:	Contract No: 58732
Project: Route 28 Westbound (Cranberry Highway) over the (*)	Date & Time Started: 05-03-10 8:00AM		Total Hours: 7
Groundwater Depth: 6' Date & Time: 05-03-10 1:20 PM	Date & Time Completed: 05-03-10 3:00PM		
Coordinates: N 2739562.4 E 881028.0	Driller's Name: Donald Dunklee	Helper's Name: Jerry Voight	
Ground Elevation:17.6'	Inspector's Name: Shane Souza	Inspector's Company: PARE Corporation	

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot	Recovery Inches	Field Description	Strata Changes
				ASPHALT	8"
S-1	1' - 3'	74 85 29 17	12"	Rollerbit to sample. Dry, very dense, black, FINE SAND, trace coarse sand.	
S-2	3' - 5'	11 9 8 7	8"	Dry, medium dense, light brown, FINE SAND, trace coarse sand.	
S-3	5' - 7'	1 3 3 2	2"	Moist, loose, light brown, FINE SAND, some coarse sand.	
S-4	7' - 9'	2 2 5 12	7"	Moist, loose, light brown, FINE SAND, trace inorganic silt, trace coarse sand.	
S-5	9' - 11'	5 7 6 5	6"	Wet, medium dense, dark brown, FINE SAND, some coarse sand, trace inorganic silt.	
S-6	11' - 13'	4 7 6 7	4"	Wet, medium dense, black, FINE SAND, some coarse sand, trace inorganic silt.	
S-7	13' - 15'	7 16 22 37	8"	Wet, dense, brown, FINE SAND, some inorganic silt, trace coarse sand.	
S-8	20' - 22'	9 3 6 12	8"	Wet, loose, light brown, FINE SAND, some inorganic silt, trace coarse sand.	20'
S-9	25' - 27'	37 15 16 20	9"	Wet, dense, light brown, FINE SAND, trace coarse sand.	
S-10	30' - 32'	9 17 22 18	14"	Wet, dense, light brown, COARSE SAND, trace fine sand.	32'
				Bottom of Exploration = 32'	

18.00 · 13.00 · 8.00 · 3.00 · −2.00 · −7.00 · −12.00 · −30.00

ELEV. = 16.86

OBS. GROUNDWATER ELEV. = 11.36 ▽

BOTTOM OF ABUT. ELEV. = −1.00

BOTTOM OF FOOTING/ CUTOFF WALL ELEV. = −2.47 ELEV. = −3.00

ELEV. = −14.47

BOTTOM OF SECANT WALL COFFERDAM ELEV. −30.00±

Remarks: (*) Agawam Mill Pond Dam No hollow stem augers used. Changed location: boring moved from N2739559.7, E88026.9 to N2739562.4, E881028.0, because of gas line. Water level reading time different from ending time due to finishing at 1:30pm and then off site at 3:00pm.

Arrow-Board: Signs: 3 Cones: 25

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

Type of Drill Rig: Diedrich D-90

Augers: Size: Depth: Casing: HW Size: 4" Depth: 30' Hammer Weight: 300 lbs. Fall: 30"

Sampler Type: S/S Size: 1 3/8" Automatic Hammer Weight: 140 lbs. Safety Hammer Weight: Donut Hammer Weight: Fall: 30"

Core Barrel Type: Size:

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

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

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

USE ONLY PRINTS OF LATEST DATE

8-August-2026 Final Structural Submittal (SF)

BORING LOG BB17-1
SCALE: 1"=5'

STATION 3+41.99OFFSET 12.36' RT, N2739600.3 E880943.07

PARE Corporation
10 Lincoln Road, Suite 210
Foxboro, MA. 02035
Phone: (508) 543-1755

Boring No. BB17-1 Page 1 of 3
Scale 1" = 5'

City/Town: Wareham | Bridge: 606352 | Project File # 14199.14 | Drilling Co.: New England Boring Contractors P# 38131
Project: Route 28 Mill Pond Dam Replacement | Date & Time Started: 09/28/17 8:00am | Total Hours:
Groundwater Depth: 18.7' Date and Time: | Date & Time Completed: 10/02/17 4:00pm
Location: E.L. 19.50 | Coordinates N 2739600.30 | Driller's Name: Jerry Voight | Helper's Name:
Coordinates E 880943.07 | Inspector: My Linh Pham

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot	Recovery Inches	Field Description	Strata Changes
S-1	1' - 3'	14 55 89 67	12"	Wet, very dense, dark brown to black fine to coarse GRAVEL and fine to coarse SAND, trace silt.	
S-2	3' - 5'	51 28 22 22	6"	Wet, very dense, dark brown to black fine to coarse SAND, some fine GRAVEL, trace silt.	
S-3	5' - 7'	11 16 11 10	6"	Wet, medium dense, dark brown to black fine to coarse SAND, some fine to coarse GRAVEL, trace SILT.	
S-4	7' - 9'	12 8 10 11	16"	Wet, medium dense, brown to light brown fine to coarse SAND, little to some fine to coarse GRAVEL, trace SILT.	
S-5	9' - 11	13 9 6 5	6"	Wet, medium dense, light brown medium to coarse SAND, trace SILT	
S-6	11' - 13'	2 1 1 3	20"	Wet, loose, light brown to dark reddish brown, fine to coarse SAND, trace to some fine GRAVEL, trace SILT	
S-7	13' - 13'3"	100/4"	0"	Refusal. No recovery.	15'
S-8	15' - 16'3"	17 85 100/3"	20"	Wet, very dense, light brown WOOD.	16'3"
S-9	17' - 19'	1 3 10 10	20"	Wet, medium dense, light brown fine to coarse SAND, trace fine to coarse GRAVEL, trace wood, odor.	
S-10	19' - 21'	8 11 13 18	20"	Wet, medium dense, light gray medium to coarse SAND, trace fine GRAVEL.	
S-11	24' - 24'4"	100/4"	4"	Wet, very dense, light brown SILT, trace coarse SAND, trace fine GRAVEL	24'6"
				BOULDER ENCOUNTERED 24'6" to 25'6".	25'6"
S-12	29' - 30'8"	53 57 59 72/5"	12"	Wet, very dense, light brown fine to coarse SAND and SILT, trace fine GRAVEL	29'
S-13	34' - 36'	17 21 20 33	12"	Wet, dense, light brown fine to coarse SAND and SILT, some fine to coarse GRAVEL	

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

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

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

Type of Drill Rig: Diedrich D-90
Casing Type: HW Size: 4" Depth: 77'8"
Hammer Weight: 300 lbs. Fall: 24"
Signs: Cones: Arrow-Board:
Sampler Type: S/S Size: 1 3/8"
Automatic Hammer Weight:
Safety Hammer Weight: 140 lb.
Donut Hammer Weight: Fall: 30"
Core Barrel Type: NX Size: 2.15"

18.00	
13.00	
8.00	
3.00	
-2.00	
-7.00	
-12.00	
-17.00	
-30.00	

-17.00	
-22.00	
-27.00	OBS. GROUNDWATER ELEV. = 0.80
-32.00	ELEV. = 4.50
-37.00	ELEV. = 3.25 BOTTOM OF ABUT. ELEV. = -1.00 B.O. FOOTING ELEV. = -3.00
-42.00	ELEV. = -5.00
-47.00	ELEV. = -6.00 ELEV. = -9.50

BOTTOM OF SECANT WALL COFFERDAM ELEV. -30.00±

BORING LOG BB17-1 (CONTINUED)
SCALE: 1"=5'

STATION 3+41.99 OFFSET 12.36' RT, N2739600.3 E880943.07

PARE Corporation
10 Lincoln Road, Suite 210
Foxboro, MA. 02035
Phone: (508) 543-1755

Boring No. BB17-1 Page 2 of 3
Scale 1" = 5'

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot	Recovery Inches	Field Description
S-14	39' - 41'	19 23 35 36	10"	Wet, very dense, light gray fine to coarse GRAVEL and fine to coarse SAND, trace SILT
S-15	44' - 46'	25 23 30 34	11"	Wet, very dense, light gray fine to coarse SAND and fine to coarse GRAVEL, trace SILT
S-16	49' - 50'9"	31 67 48 80/5"	9"	Wet, very dense, light gray fine to coarse SAND, trace coarse GRAVEL, trace SILT
S-17	54' - 54'10"	56 100/4"	7"	Wet, very dense, brown, fine to coarse SAND and fine GRAVEL, trace SILT
S-18	59' - 59'3"	100/3"	0"	Refusal, rock in tip of spoon.
S-19	64' - 66'	100/3"	3"	Wet, very dense, light brown, fine to coarse SAND, trace fine GRAVEL, trace SILT

Remarks: N/R = None recorded
Well Depth: Solid Pipe: Stick Up Pipe: Screen Pipe: Protective Device - Stand: Box:

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

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

Type of Drill Rig: Mobile B-53
Casing Type: HW Size: 4" Depth: 77'8"
Hammer Weight: 300 lbs. Fall: 24"
Signs: Cones: Arrow-Board:
Sampler Type: S/S Size: 1 3/8"
Automatic Hammer Weight:
Safety Hammer Weight: 140 lb.
Donut Hammer Weight: Fall: 30"
Core Barrel Type: NX Size: 2.15"

-47.00	
-52.00	
-57.00	
-62.00	
-67.00	
-72.00	
-77.00	

BORING LOG BB17-1 (CONTINUED)
SCALE: 1"=5'

STATION 3+41.99 OFFSET 12.36' RT, N2739600.3 E880943.07

PARE Corporation
10 Lincoln Road, Suite 210
Foxboro, MA. 02035
Phone: (508) 543-1755

Boring No. BB17-1 Page 3 of 3
Scale 1" = 5'

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot	Recovery Inches	Field Description	
S-20	69' - 69'9"	100/6" 65/3"	3"	Wet, very dense, light brown SILT and fine to coarse SAND, trace fine GRAVEL	
S-21	74' - 74'3"	100/3"	0"	Refusal. No Recovery.	
					77' ELEV. = -57.50
S-22	77' - 77'8"'	26 100/2"	2"	Wet, very dense, gray WEATHERED BEDROCK in tip of spoon.	
		Coring Times Minutes / Foot			
C-1	85' - 90'	3 3 6 4 5	58"	Fair, gray, fresh to slightly weathered, hard, moderately fractured SCHIST Percent Recovery = 96% RQD = 72%	
C-2	90' - 95'	6 5 4 3 4	39"	Fair, orangey, fresh, hard, moderately fractured SCHIST/ GRANITE Percent Recovery = 100% RQD = 65%	
					95' ELEV. = -75.50
				Bottom of Exploration = 95'	

Remarks: N/R = None recorded
Well Depth: Solid Pipe: Stick Up Pipe: Screen Pipe: Protective Device - Stand: Box:

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

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

Type of Drill Rig: Mobile B-53
Casing Type: HW Size: 4" Depth: 77'8"
Hammer Weight: 300 lbs. Fall: 24"
Signs: Cones: Arrow-Board:
Sampler Type: S/S Size: 1 3/8"
Automatic Hammer Weight:
Safety Hammer Weight: 140 lb.
Donut Hammer Weight: Fall: 30"
Core Barrel Type: NX Size: 2.15"

DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

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

606352_BR3-8(W060020).DWG Plotted on 31-Jul-2026 12:50 PM
Final Structural Submittal (SF) 8-August-2026

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	44	125
	PROJECT FILE NO. 606352		

BORING LOGS NO. 5

BORING LOG BB17-2
SCALE: 1"=5'

STATION 2+98.09 OFFSET 13.45' RT, N2739618.04 E880902.9

PARE Corporation
10 Lincoln Road, Suite 210
Foxboro, MA. 02035
Phone: (508) 543-1755

Boring No. BB17-2
Page 1 of 3
Scale 1" = 5'

City/Town: Wareham | Bridge: 606352 | Project File # 14199.14 | Drilling Co.: New England Boring Contractors P# 38131

Project: Route 28 Mill Pond Dam Replacement | Date & Time Started: 10/03/17 8:00am | Total Hours:

Groundwater Depth: 10.4' Date and Time: | Date & Time Completed: 10/05/17 2:00pm

Location: E.L. 19.30 | Coordinates N 2739618.04 | Driller's Name: Jerry Voight | Helper's Name:

Coordinates E 880902.90 | Inspector: My Linh Pham

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot				Recovery Inches	Field Description	Strata Changes
							8" ASPHALT	8"
S-1	1' - 3'	98	73	17	8	12"	Wet, very dense, brown fine to coarse GRAVEL, some fine to coarse SAND, trace SILT	
S-2	3' - 5'	6	7	4	3	3"	Wet, loose, brown fine to coarse SAND, little SILT, trace COAL	
S-3	5' - 7'	5	2	3	2	6"	Wet, loose, brown fine to coarse SAND, some SILT, trace fine GRAVEL.	
S-4	7' - 9'	3	1	2	3	7"	Wet, very loose, brown fine to coarse SAND and coarse GRAVEL, some SILT	
S-5	9' - 11'	17	9	5	4	10"	Wet, medium dense, dark brown fine to coarse SAND, little SILT, trace fine GRAVEL, trace COAL, trace organics	
S-6	14' - 16'	25	37	59	60	9"	Wet, very dense, dark brown fine to coarse SAND, trace SILT trace fine GRAVEL, trace wood	
S-7	19'	100/5"				0"	No Recovery.	
S-8	20' - 22'	26	24	29	24	9"	Wet, very dense, light brown, fine to coarse SAND, trace SILT, trace fine GRAVEL	
S-9	24' - 26'	31	15	12	19	6"	Wet, medium dense, light brown fine to coarse SAND and fine to coarse GRAVEL, little SILT	
S-10	29' - 31'	9	7	6	19	0"	No Recovery.	
S-11	34' - 36'	13	78	42	14	5"	Wet, very dense, light brown fine to coarse SAND, little fine to coarse GRAVEL, trace SILT	

Remarks:

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

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: Diedrich D-90

Casing Type: HW Size: 4" Depth: 61'

Hammer Weight: 300 lbs. Fall: 24"

Signs: Cones: Arrow-Board:

Sampler Type: S/S Size: 1 3/8"

Automatic Hammer Weight:

Safety Hammer Weight: 140 lb.

Donut Hammer Weight: Fall: 30"

Core Barrel Type: NX Size: 2.15"

ELEV. = 18.63

OBS. GROUNDWATER ELEV. = 8.90 ▽

BOTTOM OF ABUT. ELEV. = -1.00

BOTTOM OF FOOTING /CUTOFF WALL ELEV. = -3.00

BOTTOM OF SECANT WALL COFFERDAM ELEV. -30.00±

18.00 13.00 8.00 3.00 -2.00 -7.00 -12.00 -17.00 -30.00

-17.00 -22.00 -27.00 -32.00 -37.00 -42.00 -47.00

BORING LOG BB17-2 (CONTINUED)
SCALE: 1"=5'

STATION 2+98.09 OFFSET 13.45' RT, N2739618.04 E880902.9

PARE Corporation
10 Lincoln Road, Suite 210
Foxboro, MA. 02035
Phone: (508) 543-1755

Boring No. BB17-2
Page 2 of 3
Scale 1" = 5'

S-12	39' - 41'	24	18	17	17	5"	Wet, dense, light brown coarse GRAVEL and fine to coarse SAND, trace SILT
S-13	44' - 46'	22	14	11	19	8"	Wet, medium dense, light brown, fine to coarse SAND, little fine to coarse GRAVEL, trace silt
S-14	49' - 51'	21	17	13	20	0"	No Recovery.
S-15	54' - 56'	19	76	54	34	5"	Wet, very dense, light brown fine to coarse SAND, some coarse GRAVEL, trace SILT
S-16	59' - 61'	30	65	34	25	9"	Wet, very dense, light brown fine to coarse SAND, little SILT, trace fine GRAVEL Advanced roller bit to 80'.

Remarks:

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

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: Diedrich D-90

Casing Type: HW Size: 4" Depth: 61'

Hammer Weight: 300 lbs. Fall: 24"

Signs: Cones: Arrow-Board:

Sampler Type: S/S Size: 1 3/8"

Automatic Hammer Weight:

Safety Hammer Weight: 140 lb.

Donut Hammer Weight: Fall: 30"

Core Barrel Type: NX Size: 2.15"

-47.00 -52.00 -57.00 -62.00 -67.00 -72.00 -77.00

BORING LOG BB17-2 (CONTINUED)
SCALE: 1"=5'

STATION 2+98.09 OFFSET 13.45' RT, N2739618.04 E880902.9

PARE Corporation
10 Lincoln Road, Suite 210
Foxboro, MA. 02035
Phone: (508) 543-1755

Boring No. BB17-2
Page 3 of 3
Scale 1" = 5'

						75'	Top of WEATHERED BEDROCK AT 75'. ELEV. = -55.7 Advanced To 84' and began coring.
C-1	84' - 89'	6	6	5	10	10	30" Very poor, moderately weathered, hard, extremely fractured SCHIST Percent Recovery = 50% RQD = 0%
C-2	89' - 94'	7	15	12	10	11	16" Very poor, moderately weathered, hard, extremely fractured SCHIST. Percent Recovery = 26% RQD = 60%
						94'	ELEV. = -75.70 Bottom of Exploration = 94'

Remarks:

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

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: Diedrich D-90

Casing Type: HW Size: 4" Depth: 61'

Hammer Weight: 300 lbs. Fall: 24"

Signs: Cones: Arrow-Board:

Sampler Type: S/S Size: 1 3/8"

Automatic Hammer Weight:

Safety Hammer Weight: 140 lb.

Donut Hammer Weight: Fall: 30"

Core Barrel Type: NX Size: 2.15"

DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

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

606352_BR3-8(W060020).DWG Plotted on 31-Jul-2026 12:50 PM
8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	45	125
PROJECT FILE NO.	606352		

BORING LOGS NO. 6

BORING LOG BB17-3
SCALE: 1"=5'

STATION 3+15.86 OFFSET 59.061' LT, N2739676.04 E880949.9

PARE Corporation
10 Lincoln Road, Suite 210
Foxboro, MA. 02035
Phone: (508) 543-1755

Boring No. BB17-3
In pond Pg. 1 of 2
Scale 1" = 5'

City/Town: Wareham | Bridge: 606352 | Project File # 14199.14 | Drilling Co.: New England Boring Contractors P# 38131

Project: Route 28 Mill Pond Dam Replacement | Date & Time Started: 04/11/18 | Total Hours:

Groundwater Depth: Mudline is 10' below pond surface | Date & Time Completed: 04/12/18

Ground Elev. 4.3' | Coordinates N 2739676.04 | Driller's Name: | Helper's Name:

Coordinates E 880949.9 | Inspector: J. Costa

Sample Number	Depth Range (Feet)	Blow Counts per 6 Inches Coring Times Minute Per Foot				Recovery Inches	Field Description	Strata Changes
S-1	0' - 2'	1	14	7	9	12"	Wet, medium dense, brown to black FINE TO COARSE SAND, little fine gravel, trace inorganic silt, trace organics.	
S-2	2' - 4'	8	5	6	8	11"	Wet, medium dense, brown to black FINE TO COARSE SAND AND FINE TO COARSE GRAVEL, trace silt and organics.	
S-3	4' - 6'	22	15	12	19	2"	Wet, medium dense, tan, FINE TO COARSE GRAVEL, FINE TO COARSE SAND.	
S-4	6' - 8'	26	22	21	14	9"	Wet, dense, light gray fine to coarse SAND, little fine to coarse GRAVEL, little SILT	
S-5	8' - 10'	16	33	25	14	14"	Wet, very dense, light gray fine to coarse SAND, little fine to coarse GRAVEL, little SILT	
S-6	10' - 12'	50	11	10	8	9"	Wet, medium dense, light gray fine to coarse SAND, little fine to coarse GRAVEL, little SILT	
S-7	12' - 14'	9	4	2	4	10"	Wet, loose, light gray FINE TO MEDIUM SAND, little coarse sand, little inorganic silt, trace fine gravel.	
S-8	14' - 16'	13	22	18	18	9"	Wet, dense, light gray FINE TO COARSE SAND, some fine gravel, trace inorganic silt.	
S-9	16' - 18'	15	36	23	38	6"	Wet, very dense, light gray FINE TO COARSE SAND, some fine gravel, trace inorganic silt.	
S-10	18' - 20'	50	16	15	12	9"	Wet, dense, light gray FINE TO COARSE SAND and fine to coarse gravel, trace inorganic silt.	
S-11	24' - 26'	51	27	55	39	6"	Wet, very dense, light gray FINE TO COARSE SAND AND FINE GRAVEL, trace inorganic silt.	
S-12	29' - 31'	53	44	18	17	12"	Wet, very dense, light gray FINE TO COARSE SAND AND FINE GRAVEL, trace inorganic silt.	
S-13	34' - 36'	16	6	7	8	9"	Wet, medium dense, light gray FINE TO COARSE SAND AND FINE GRAVEL, trace inorganic silt.	

8.00
3.00
-2.00
-7.00
-12.00
-17.00
-22.00
-27.00
-32.00
-37.00

BOTTOM OF ABUT.
ELEV. = 4.00

BOTTOM OF FOOTING/
CUTOFF WALL
ELEV. = 0.50

Remarks:

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

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

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

Type of Drill Rig: Diedrich D-90
Casing Type: HW Size: 4" Depth: 34'
Hammer Weight: 300 lbs. Fall: 24"
Signs: Cones: Arrow-Board:
Sampler Type: S/S Size: 1 3/8"
Automatic Hammer Weight:
Safety Hammer Weight: 140 lb.
Donut Hammer Weight: Fall: 30"
Core Barrel Type: Size:

BORING LOG BB17-3 (CONTINUED)
SCALE: 1"=5'

STATION 3+15.86 OFFSET 59.061' LT, N2739676.04 E880949.9

PARE Corporation
10 Lincoln Road, Suite 210
Foxboro, MA. 02035
Phone: (508) 543-1755

Boring No. BB17-3
In pond Pg. 1 of 2
Scale 1" = 5'

							39'	ELEV. = -24.70
S-14A	39' - 40'	46	50/6"			0"	BOULDER, very strong, red to gray GRANITE, massive, fresh.	
							40'	ELEV. = -25.70
S-14B	40' - 40'6"	33	50/4"			7"	Wet, dense, medium to coarse sand, trace silt (appears to be wash).	
S-15	43' - 44.5'	33	81	80	(161)	13"	Wet, very dense, light gray/light tan FINE TO COARSE SAND, some fine gravel, trace silt.	
S-16	48' - 48.1'	50/1"				1"	Wet, dense, MEDIUM TO COARSE SAND (appears to be wash.)	
							53'	ELEV. = -38.70
							Bottom of Exploration = 53'	

-42.00
-47.00
-52.00
-57.00
-62.00
-67.00
-72.00

Remarks:

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

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
N=Sum of Second and Third 6" Blow Counts		Hard	Over 30

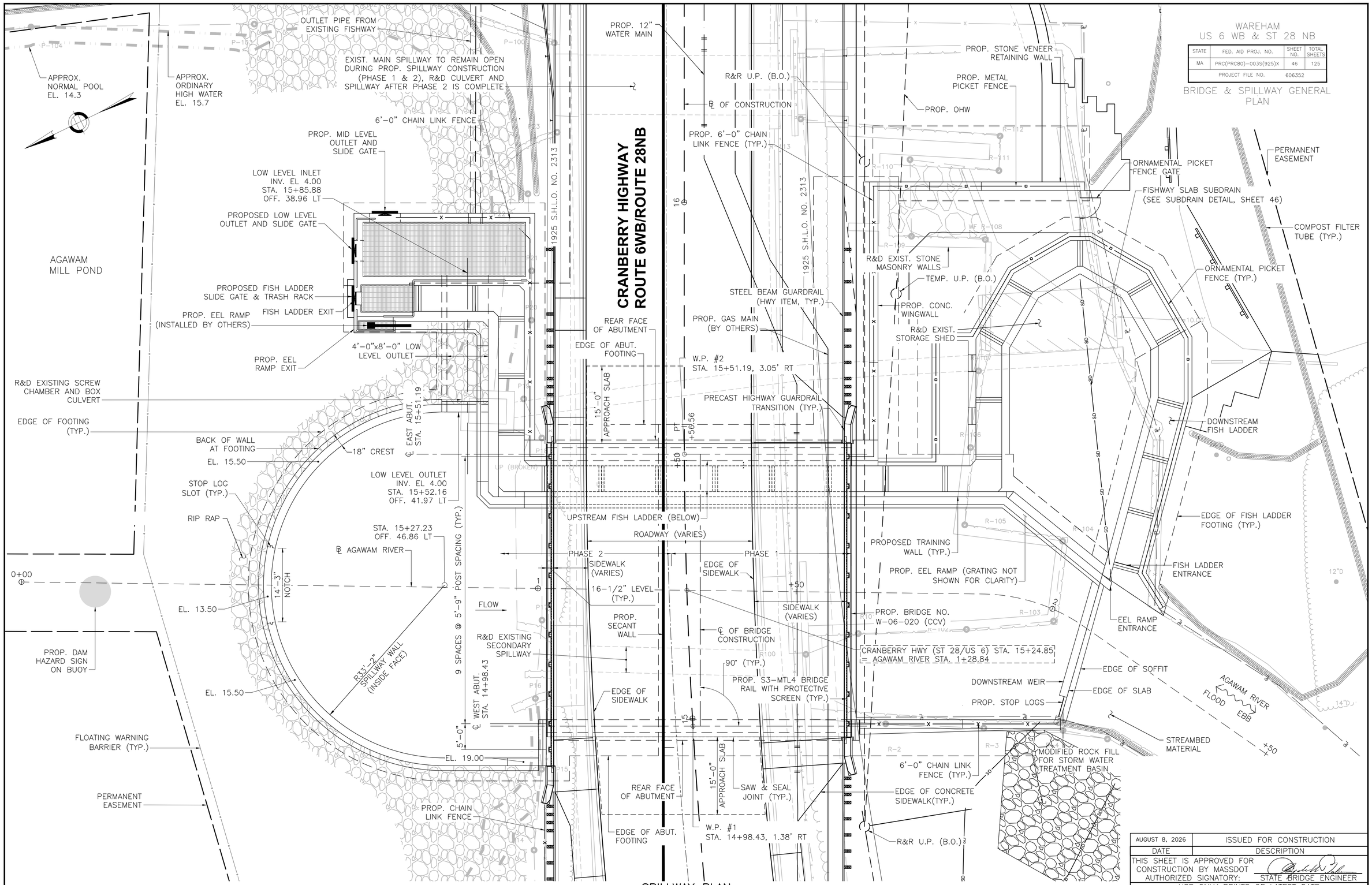
Terms Used for Second Entry of Descriptions: and = 40-50%, some = 10-40%, trace = 10% or less

Type of Drill Rig: Diedrich D-90
Casing Type: HW Size: 4" Depth: 48'
Hammer Weight: 300 lbs. Fall: 24"
Signs: Cones: Arrow-Board:
Sampler Type: S/S Size: 1 3/8"
Automatic Hammer Weight:
Safety Hammer Weight: 140 lb.
Donut Hammer Weight: Fall: 30"
Core Barrel Type: Size:

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

606352_BR3-8(W060020).DWG Plotted on 31-Jul-2026 12:50 PM
8-August-2026 Final Structural Submittal (SF)



STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	46	125
PROJECT FILE NO.	606352		

SPILLWAY PLAN

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

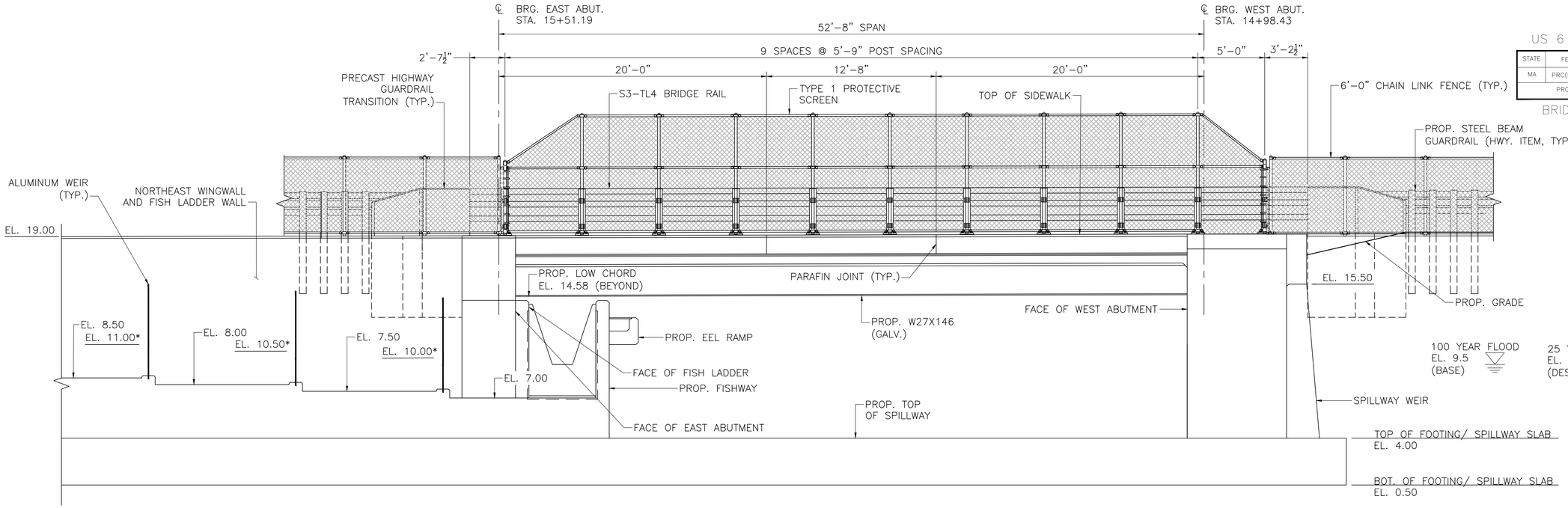
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

USE ONLY PRINTS OF LATEST DATE

606352_BR09(W060020).DWG Plotted on 31-Jul-2026 12:50 PM

Final Structural Submittal (SF) 8-August-2026

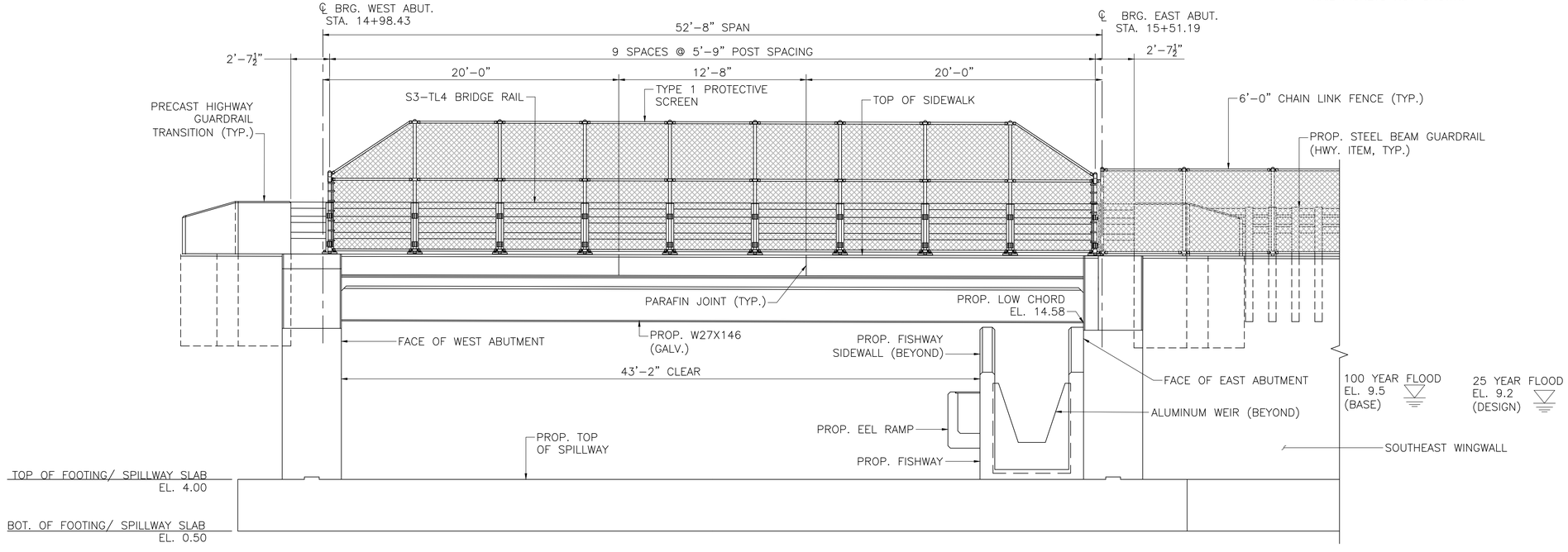


* – INDICATES WEIR OPENING INVERT

NORTH ELEVATION

SCALE: ¼" = 1'-0"

NOTE: FOR CLARITY, S3-TL4 RAIL PICKETS NOT SHOWN.



SOUTH ELEVATION

SCALE: ¼" = 1'-0"

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	47	125
PROJECT FILE NO. 606352			

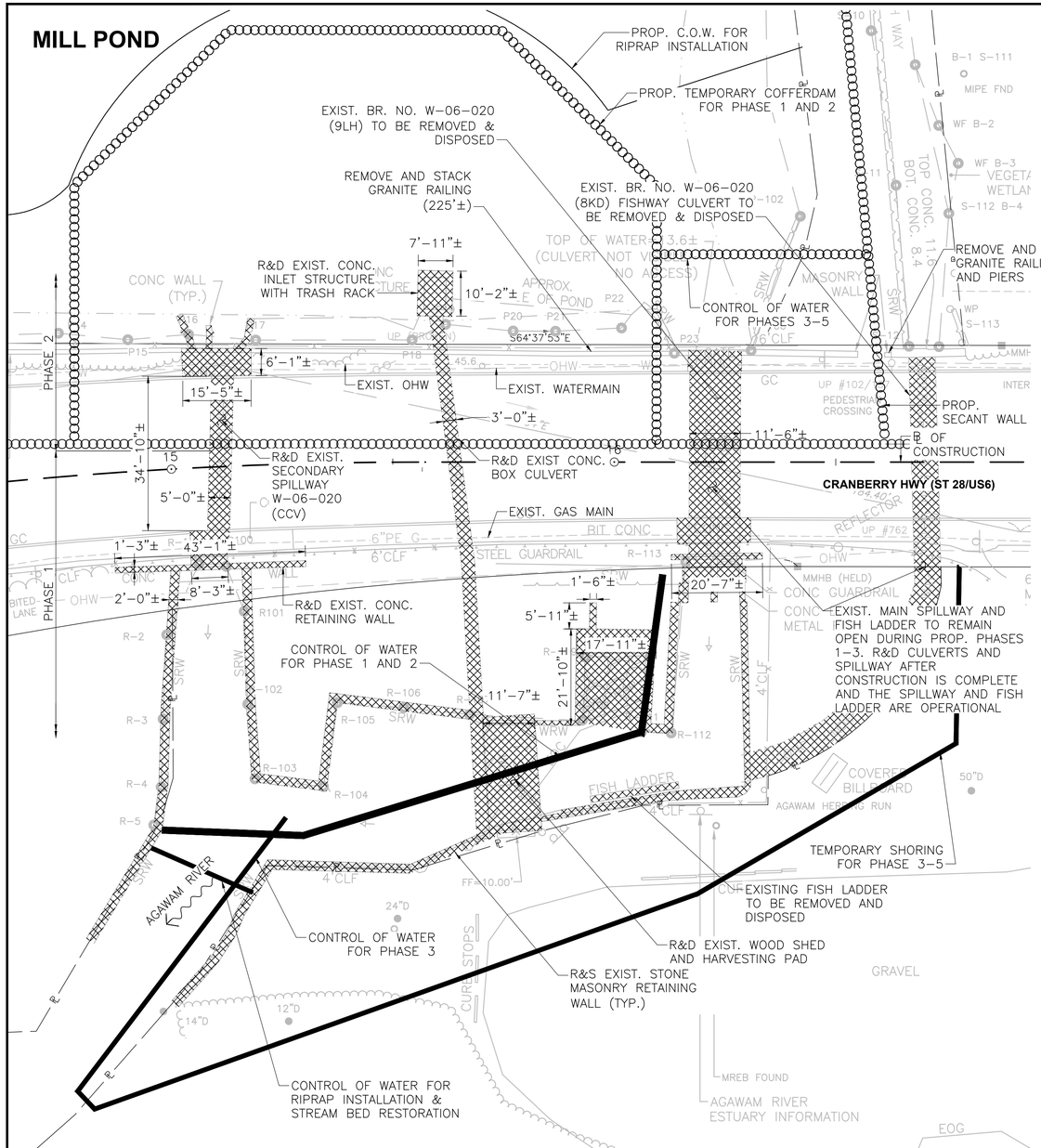
BRIDGE & SPILLWAY ELEVATIONS

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

USE ONLY PRINTS OF LATEST DATE

606352_BR10(W060020).DWG Plotted on 31-Jul-2026 12:50 PM
8-August-2026
Final Structural Submittal (SF)



DEMOLITION PLAN

SCALE: 1" = 15'

NOTES:

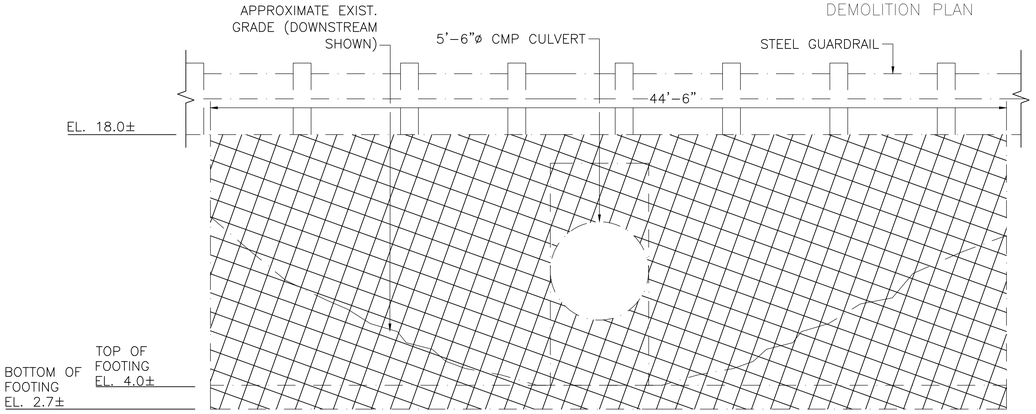
1. THE CONTRACTOR SHALL STOCK PILE STONEMASONRY WALLS AFTER DEMOLITION TO USE FOR THE STONE VENEER AND OTHER LANDSCAPING COMPONENTS ON THE FISH LADDER WALLS.
2. THE CONTROL OF WATER AND SUPPORT OF EXCAVATION SHOWN IN THIS PLAN SET ARE SHOWN SCHEMATICALLY. THE ACTUAL LOCATION AND ORIENTATION REQUIRED WILL BE DETERMINED BY THE CONTRACTOR BASED ON THEIR CHOSEN CONSTRUCTION OPERATIONS AND SEQUENCING.
3. THE CONTROL OF WATER AND TEMPORARY SHORING MEASURES SHALL BE DESIGNED, LOCATED, AND SEQUENCED TO PREVENT OBSTRUCTING THE FISH LADDER DURING MIGRATORY SEASONS.

– INDICATES EXIST. COMPONENTS TO BE REMOVED AND DISPOSED.

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	48	125
	PROJECT FILE NO. 606352		

BRIDGE & SPILLWAY DEMOLITION PLAN



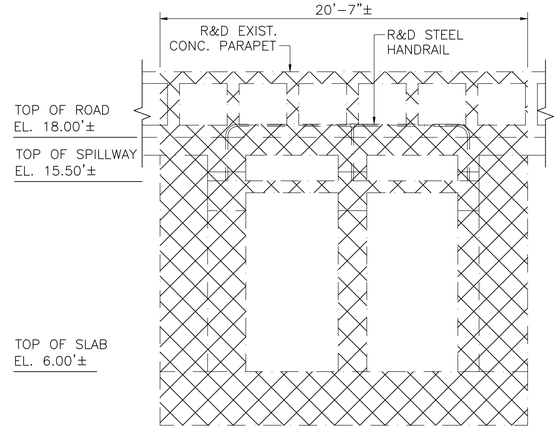
EXISTING SECONDARY SPILLWAY SECTION W-06-020 (CCV)

SCALE: ¼" = 1'-0"



AERIAL VIEW OF EXISTING TIMBER SHED

NOT TO SCALE



EXISTING PRIMARY SPILLWAY SECTION W-06-020 (CCV)

SCALE: ¼" = 1'-0"



AERIAL VIEW OF EXISTING GRANITE RAILING AND PIERS

NOT TO SCALE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

USE ONLY PRINTS OF LATEST DATE

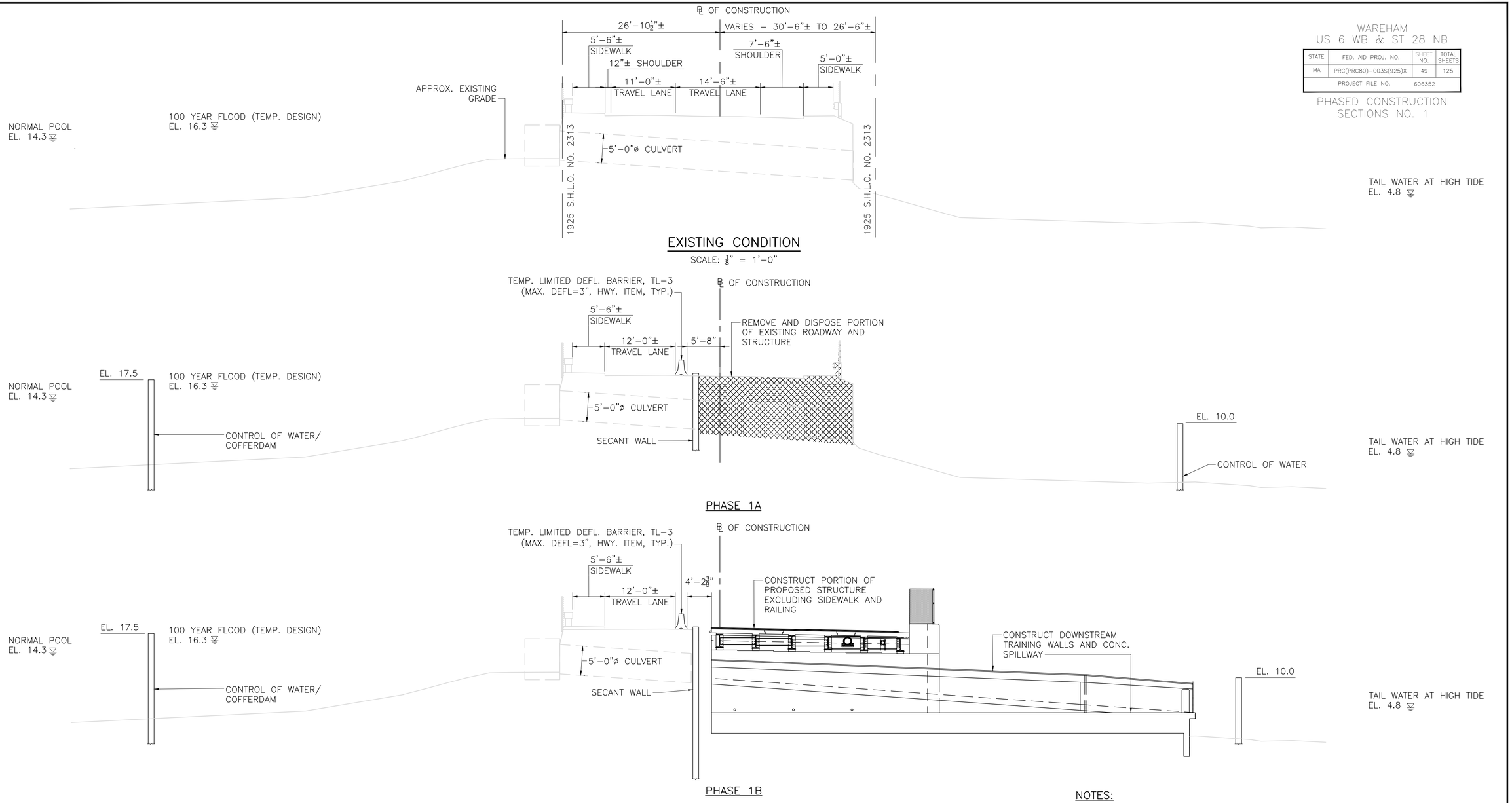
606352_BR11(W060020).DWG Plotted on 31-Jul-2026 12:50 PM

8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	49	125
PROJECT FILE NO.	606352		

PHASED CONSTRUCTION
SECTIONS NO. 1



PHASED BRIDGE CONSTRUCTION – PHASE 1
SCALE: 1/8" = 1'-0"

NOTES:

1. THE 100 YEAR FLOOD ELEVATIONS FOR CONSTRUCTION WILL BE USED FOR THE DESIGN OF CONTROL OF WATER, COFFERDAMS, AND TEMPORARY SHORING DURING CONSTRUCTION FOR PHASES 1 AND 2.
2. THE TOP OF THE COFFERDAMS AND CONTROL OF WATER SHALL BE A MINIMUM OF 1 FOOT HIGHER THAN THE REQUIRED FLOOD ELEVATIONS FOR CONSTRUCTION.

SUGGESTED SEQUENCE OF CONSTRUCTION – PHASE 1

PHASE 1A

- TEMPORARILY RELOCATE OVERHEAD UTILITIES TO THE SOUTH SIDE OF THE DAM
- PLACE TRAFFIC CONTROL MEASURES AND SHIFT WESTBOUND TRAVEL LANES TO NORTHERN PORTION OF EXISTING STRUCTURE.
- PLACE SECANT WALL ALONG PHASE LINE. PLACE TEMPORARY SHORING AND CONTROL OF WATER MEASURES OF PHASES 1 AND 2.
- REMOVE AND DISPOSE SOUTHERN PORTION OF EXISTING AUXILARY SPILLWAY, CONCRETE BOX CULVERT AND STORAGE SHED.

PHASE 1B

- CONSTRUCT SOUTHERN PORTION OF PROPOSED SUPERSTRUCTURE WITH THE EXCEPTION OF THE SIDEWALK AND BRIDGE RAIL.
- INSTALL PRECAST HIGHWAY GUARDRAIL TRANSITIONS.
- CONSTRUCT THE DOWNSTREAM TRAINING WALLS AND GROUTED RIPRAP SCOUR APRON.
- RELOCATE THE WATER MAIN AND GAS MAIN TO PROPOSED SUPERSTRUCTURE.
- PARTIALLY DEMOLISH THE DOWNSTREAM PORTION OF THE EXISTING PRIMARY SPILLWAY. CONSTRUCT THE TEMPORARY VEHICULAR AND PEDESTRIAN BRIDGE.

DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

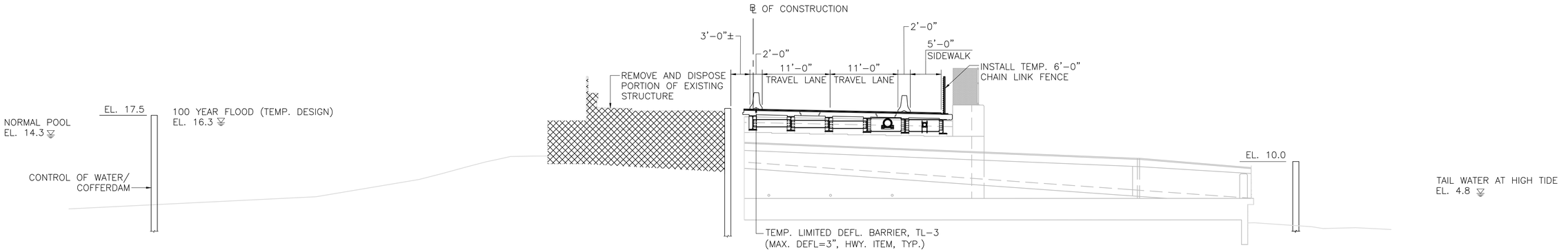
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

606352_BR12-15(W060020).DWG Plotted on 31-Jul-2026 12:50 PM
8-August-2026
Final Structural Submittal (SF)

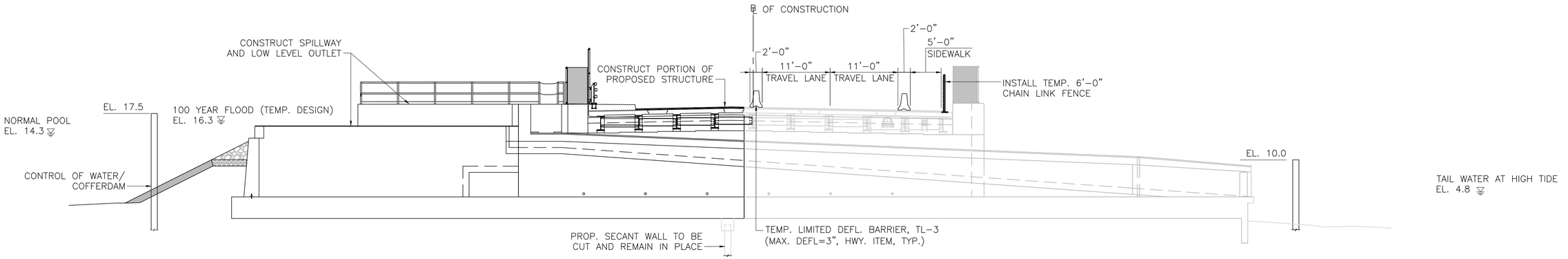
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	50	125
PROJECT FILE NO.	606352		

PHASED CONSTRUCTION
SECTIONS NO. 2



PHASE 2A



PHASE 2B

PHASED BRIDGE CONSTRUCTION – PHASE 2

SCALE: $\frac{1}{8}$" = 1'-0"

SUGGESTED SEQUENCE OF CONSTRUCTION – PHASE 2

NOTES

1. THE 100 YEAR FLOOD ELEVATIONS FOR CONSTRUCTION WILL BE USED FOR THE DESIGN OF CONTROL OF WATER, COFFERDAMS, AND TEMPORARY SHORING DURING CONSTRUCTION.

2. THE TOP OF THE COFFERDAMS AND CONTROL OF WATER SHALL BE A MINIMUM OF 1 FOOT HIGHER THAN THE 100 YEAR FLOOR ELEVATIONS FOR CONSTRUCTION.

PHASE 2A

- TEMPORARILY RELOCATE OVERHEAD UTILITIES TO THE SOUTH SIDE OF THE DAM.
- PLACE TRAFFIC CONTROL MEASURES AND SHIFT WESTBOUND TRAVEL LANES TO SOUTHERN PORTION OF PROPOSED SUPERSTRUCTURE.
- REMOVE AND DISPOSE NORTHERN PORTION OF EXISTING STRUCTURE.

PHASE 2B

- CONSTRUCT NORTHERN PORTION OF PROPOSED BRIDGE STRUCTURE, SPILLWAY, LOW LEVEL OUTLET CHAMBER, AND UPSTREAM PORTION OF FISH LADDER.
- CUT EARTH SUPPORT AROUND STRUCTURE WHILE ABANDONING REMAINING PORTIONS IN PLACE.
- REMOVE UPSTREAM AND DOWNSTREAM CONTROL OF WATER MEASURES AND DIVERT FLOW TO PROPOSED SPILLWAY IN PREPARATION FOR REMOVAL OF THE EXISTING PRIMARY SPILLWAY.

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

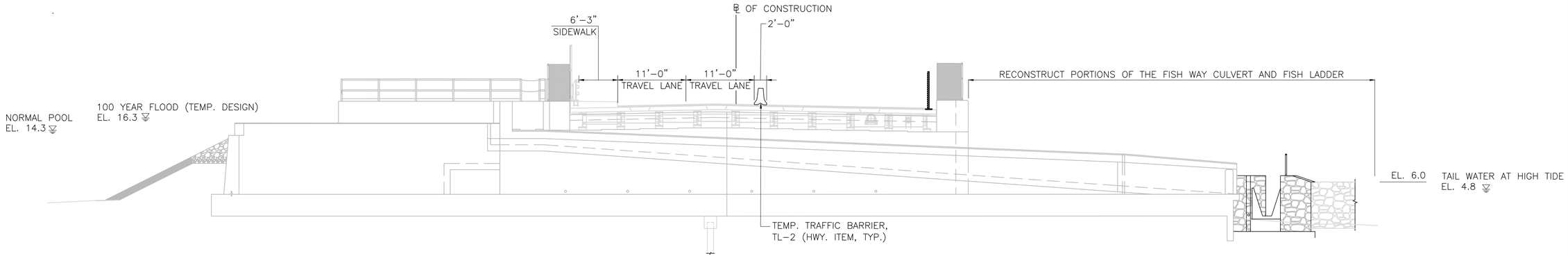
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AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

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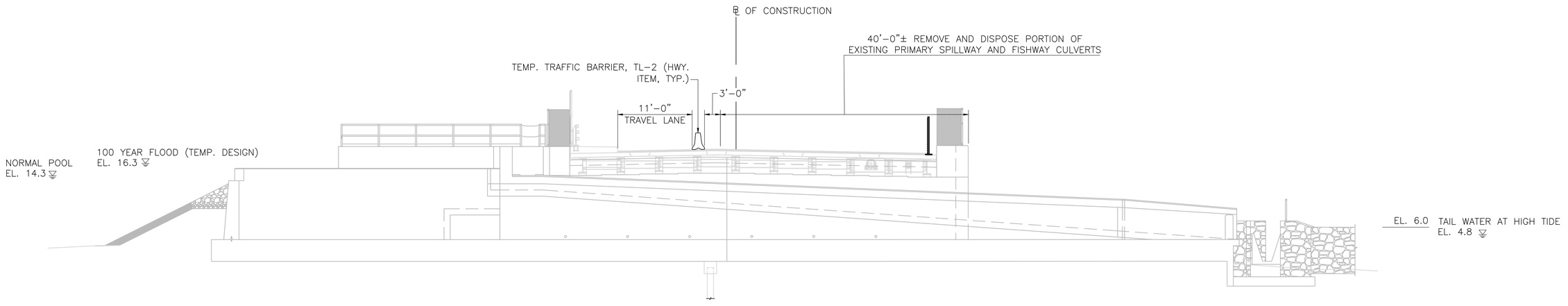
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	51	125
PROJECT FILE NO. 606352			

PHASED CONSTRUCTION
SECTIONS NO. 3



PHASE 3



PHASE 4

PHASED BRIDGE CONSTRUCTION – PHASES 3–4

SCALE: $\frac{1}{8}$" = 1'-0"

SUGGESTED SEQUENCE OF CONSTRUCTION – PHASES 3–4

NOTES:

1. THE 100 YEAR FLOOD ELEVATIONS FOR CONSTRUCTION WILL BE USED FOR THE DESIGN OF CONTROL OF WATER, COFFERDAMS, AND TEMPORARY SHORING DURING CONSTRUCTION.
2. THE TOP OF THE COFFERDAMS AND CONTROL OF WATER SHALL BE A MINIMUM OF 1 FOOT HIGHER THAN THE 100 YEAR FLOOD ELEVATIONS FOR CONSTRUCTION.

PHASE 3

- PLACE TRAFFIC CONTROL MEASURES AND SHIFT WESTBOUND TRAVEL LANES TO NORTHERN PORTION OF STRUCTURE. INSTALL UPSTREAM AND DOWNSTREAM TEMPORARY CONTROL OF WATER MEASURES FOR FISH LADDER CONSTRUCTION AND DEMOLITION OF EXISTING CULVERT AND SPILLWAY.
- CONSTRUCT DOWNSTREAM PORTION OF FISH LADDER AND DIVERT FLOW TO PROPOSED FISH LADDER IN PREPARATION OF REMOVAL/ABANDONING OF EXISTING FISHWAY/SPILLWAY.
- REMOVE AND DISPOSE PORTIONS OF THE EXISTING DOWNSTREAM FISHWAY, AND FISH LADDER. RECONSTRUCT PORTIONS OF EXISTING FISH LADDER AND CONSTRUCT THE EEL PASSAGE IN THE DOWNSTREAM AREA.

PHASE 4

- PLACE TRAFFIC CONTROL MEASURES AND REDUCE TRAFFIC TO ONE WESTBOUND LANE.
- REMOVE AND DISPOSE PORTION OF EXISTING PRIMARY SPILLWAY AND TEMPORARY BRIDGE, AND RECONSTRUCT PORTION OF THE FISH LADDER.
- PERMANENTLY RELOCATE OVERHEAD UTILITIES TO EXISTING ALIGNMENT.

DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

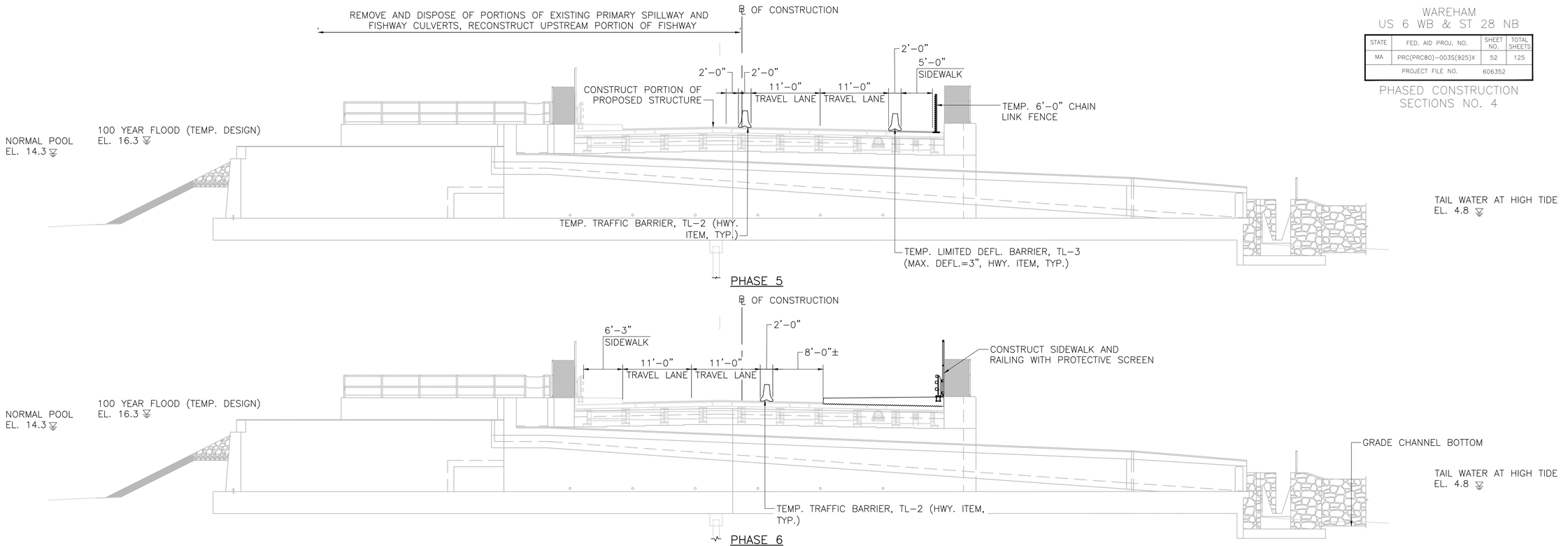
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

606352_BR12-15(W060020).DWG Plotted on 31-Jul-2026 12:50 PM
8-August-2026
Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	52	125
PROJECT FILE NO. 606352			

PHASED CONSTRUCTION
SECTIONS NO. 4



PHASED BRIDGE CONSTRUCTION – PHASE 5–6

SCALE: $\frac{1}{8}$" = 1'-0"

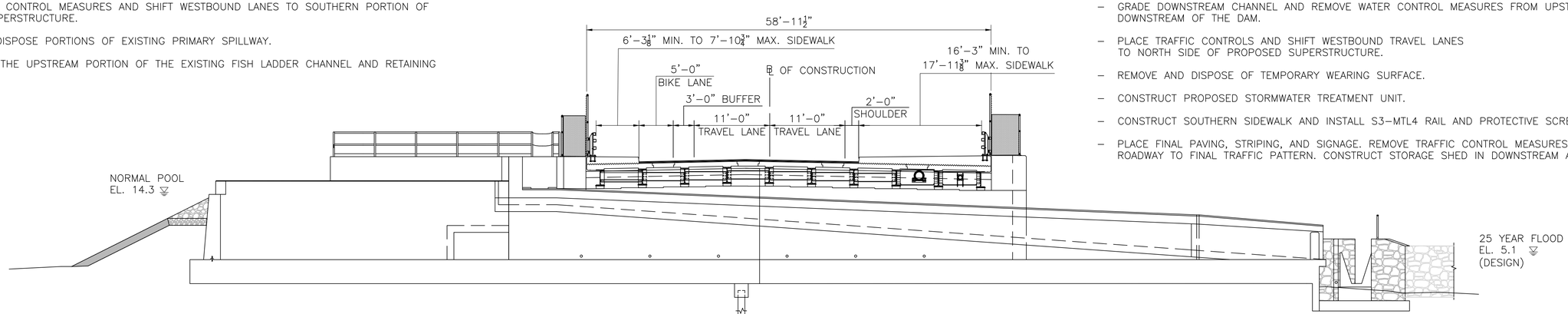
SUGGESTED SEQUENCE OF CONSTRUCTION – PHASES 5–6

PHASE 5

- PLACE TRAFFIC CONTROL MEASURES AND SHIFT WESTBOUND LANES TO SOUTHERN PORTION OF PROPOSED SUPERSTRUCTURE.
- REMOVE AND DISPOSE PORTIONS OF EXISTING PRIMARY SPILLWAY.
- RECONSTRUCT THE UPSTREAM PORTION OF THE EXISTING FISH LADDER CHANNEL AND RETAINING WALLS.

PHASE 6

- GRADE DOWNSTREAM CHANNEL AND REMOVE WATER CONTROL MEASURES FROM UPSTREAM AND DOWNSTREAM OF THE DAM.
- PLACE TRAFFIC CONTROLS AND SHIFT WESTBOUND TRAVEL LANES TO NORTH SIDE OF PROPOSED SUPERSTRUCTURE.
- REMOVE AND DISPOSE OF TEMPORARY WEARING SURFACE.
- CONSTRUCT PROPOSED STORMWATER TREATMENT UNIT.
- CONSTRUCT SOUTHERN SIDEWALK AND INSTALL S3-MTL4 RAIL AND PROTECTIVE SCREEN.
- PLACE FINAL PAVING, STRIPING, AND SIGNAGE. REMOVE TRAFFIC CONTROL MEASURES AND OPEN ROADWAY TO FINAL TRAFFIC PATTERN. CONSTRUCT STORAGE SHED IN DOWNSTREAM AREA.



PROPOSED CONDITION

SCALE: $\frac{1}{8}$" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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USE ONLY PRINTS OF LATEST DATE

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8-August-2026
Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	53	125
PROJECT FILE NO. 606352			

PHASED CONSTRUCTION
PLANS NO. 1

PERMANENT EASEMENT
LIMIT OF HYDROGRAPHIC SURVEY
PROP. TEMPORARY COFFERDAM
EXIST. CONC. INLET STRUCTURE WITH TRASH RACK
ONE WAY TRAFFIC (SEE TTCP'S)
PERMANENT EASEMENT
CONC WALL (TYP.)
CONC STRUCTURE
APPROX. EDGE OF POND
TOP OF WATER=13.6± (CULVERT NOT VISIBLE-NO ACCESS)
MASONRY WALL
TOP CONC. 11.6
BOT CONC. 8.4
PERMANENT EASEMENT
TEMP. EASEMENT
LOCATION LINE OF 1917 SHLO 1777
1917 SHLO NO. 1777
5'-6"± SIDEWALK
CRANBERRY HIGHWAY
(ROUTE 28NB/6WB)
TEMP. LIMITED DEFLECTION BARRIER TL-3 (MAX. DEFL. 3")
12'-0"± TRAVEL LANE
TEMP. PAVEMENT MARKINGS
℄ OF CONSTRUCTION
R&D SOUTH PORTION OF EXISTING SECONDARY SPILLWAY
PT +58.56
R&D SOUTHERN PORTION OF BOX CULVERT
SECANT WALL AT PHASE LINE
TRAFFIC BARREL (TYP.)
TEMPORARILY RELOCATE OVERHEAD UTILITIES TO NORTH SIDE OF ROADWAY
1923 SHLO NO. 2313
EXIST. MAIN SPILLWAY TO REMAIN OPERATIONAL DURING PHASES 1 & 2
EXIST. FISH WAY TO REMAIN OPERATIONAL DURING PHASE 1 & 2
EAST MARION WAREHAM LEFT LANE
28 NORTH MIDDLEBORO RIGHT LANE
TEMPORARY RELOCATION OF GAS MAIN, 6" STEEL PIPE, SUPPORTED ON UTILITY BRIDGE (BY OTHERS)
PROP. TEMPORARY SHORING/C.O.W. PHASE 1
R&D EXIST. WOOD SHED AND CONC. HARVESTING PAD
PERMANENT EASEMENT
SUGGESTED DEWATERING BASIN LOCATION
AGAWAM RIVER
AGAWAM HERRING RUN
FF=10.00'
CONSTRUCTION ZONE

PHASE 1A
SCALE: 1" = 10'

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

606352_BR16(W060020).DWG Plotted on 31-Jul-2026 12:51 PM
8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	54	125
PROJECT FILE NO.	606352		

PHASED CONSTRUCTION
PLANS NO. 2

MILL POND
(NORMAL POOL EL. 14.3)

LIMIT OF HYDROGRAPHIC SURVEY

PERMANENT EASEMENT

PROP. TEMPORARY COFFERDAM

EXIST. CONC. INLET STRUCTURE WITH TRASH RACK

ONE WAY TRAFFIC (SEE TTCP'S)

CONC WALL (TYP.)

CONC STRUCTURE

APPROX. EDGE OF POND

TOP OF WATER=13.6± (CULVERT NOT VISIBLE-NO ACCESS)

MASONRY WALL

TOP CONC. 11.6
BOT CONC. 8.4

PERMANENT EASEMENT

TEMP. EASEMENT

LOCATION LINE OF 1917 SHLO 1777

1917 SHLO NO. 1777

5'-6"± SIDEWALK

TEMP. PAVEMENT MARKINGS

12'-0"± TRAVEL LANE

EXISTING SECONDARY SPILLWAY

TEMP. LIMITED DEFL. BARRIER, TL-3

CRANBERRY HIGHWAY (ROUTE 28NB/6WB)

INTERSTATE 195 WEST

TRAFFIC BARREL (TYP.)

℄ OF CONSTRUCTION

INSTALL PORTIONS OF WATERMAIN UP TO THE PHASE LINE

EXIST. MAIN SPILLWAY

CONSTRUCT SOUTHERN PORTION OF APPROACH SLAB (TYP.)

CONSTRUCT SOUTHERN PORTION OF PROP. BRIDGE/SPILLWAY/FISH LADDER STRUCTURE

PEDESTRIAN CROSSING

1923 SHLO NO. 2313

CONSTRUCT TEMPORARY SIDEWALK (HWY. ITEM)

CONSTRUCT SOUTHERN RETAINING WALL

PARTIALLY DEMOLISH PORTION OF MAIN CULVERT AND SPILLWAY, CONSTRUCT TEMPORARY BRIDGE NO. W-06-020

205
N: 2739532.324'
E: 881072.276'
EL: 17.131'
MTRAV MAG SET

CONSTRUCT PARTIAL SIDEWALK WITH S3-MTL4 RAILING

RELOCATE GAS MAIN TO PROPOSED SUPERSTRUCTURE

TEMPORARILY RELOCATE UTILITY POLES AND OHW TO SOUTH EMBANKMENT

CONSTRUCT DOWNSTREAM TRAINING WALLS AND GROUTED RIPRAP SCOUR APRON

PROP. TEMPORARY SHORING/C.O.W. PHASE 1

EXISTING FISH WAY

PERMANENT EASEMENT

SUGGESTED DEWATERING BASIN LOCATION

AGAWAM RIVER

PT +58.56

PHASE 1B

SCALE: 1" = 10'

CONSTRUCTION ZONE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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606352_BR17(W060020).DWG Plotted on 31-Jul-2026 12:51 PM
8-August-2026
Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	55	125
PROJECT FILE NO.	606352		

PHASED CONSTRUCTION
PLANS NO. 3

PERMANENT EASEMENT

LIMIT OF HYDROGRAPHIC SURVEY

MILL POND
(NORMAL POOL EL. 14.3)

C.O.W FOR INSTALLATION OF RIPRAP

PERMANENT EASEMENT

R&D EXIST. CONC. INLET STRUCTURE AND REMAINING PORTION OF CONC. CULVERT

R&D REMAINING PORTION OF EXISTING AUXILLARY SPILLWAY

SUGGESTED DEWATERING BASIN LOCATION

EXIST. PRIMARY SPILLWAY TO REMAIN OPERATIONAL DURING PHASES 1&2

TEMP. CHAINLINK FENCE (TYP.)

MASONRY WALL

PERMANENT EASEMENT

TEMPORARY EASEMENT

1917 SHLO NO. 1777

LOCATION LINE OF 1917 SHLO 1777

R&D EXIST. WATERMAIN AFTER PROP. WATERMAIN IS IN SERVICE

CRANBERRY HIGHWAY (ROUTE 28NB/6WB)

INTERSTATE 195 WEST
BEAR RIGHT

PT 156.56

15

16

17

16.76

TRAFFIC BARREL (TYP.)

11'-0" TRAVEL LANE

11'-0" TRAVEL LANE

5'-0" SIDEWALK

TEMP. PAVEMENT MARKINGS

℄ OF CONSTRUCTION

INSTALL REMAINING PORTION OF THE WATERMAIN

1923 SHLO NO. 2313

TURN LEFT

6 WEST
MARION / WAREHAM
LEFT LANE
28 NORTH
MIDDLEBORO
RIGHT LANE

205
N: 2739532.324'
E: 881072.276'
EL: 17.131'
MTRAV MAG SET

TEMP. LIMITED DEFL. BARRIER, TL-3 (TYP.)

EXISTING FISH WAY

PERMANENT EASEMENT

TEMP. CLF (TYP.)

AGAWAM RIVER

AGAWAM HERRING RUN

FISH LADDER

CURB STOPS

EOG

PHASE 2A
SCALE: 1" = 10'

CONSTRUCTION ZONE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

606352_BR18(W060020).DWG Plotted on 31-Jul-2026 12:51 PM
8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	56	125
PROJECT FILE NO. 606352			

PHASED CONSTRUCTION
PLANS NO. 4

PERMANENT EASEMENT

MILL POND
(NORMAL POOL EL. 14.3)

LIMIT OF HYDROGRAPHIC SURVEY

PERMANENT EASEMENT

CONSTRUCT PROP SPILLWAY

INSTALL PORTIONS OF RIPRAP

CONSTRUCT REMAINING UPSTREAM PORTION OF PROP. FISH LADDER

CONSTRUCT PROP. LOW LEVEL OUTLET

CONSTRUCT REMAINING PORTION OF PROPOSED BRIDGE STRUCTURE

CONSTRUCT REMAINING PORTION OF APPROACH SLAB (TYP.)

UP #102, 1917 SHLO NO. 1777

EXIST. PRIMARY SPILLWAY TO REMAIN OPERATIONAL DURING PHASES 1&2

SUGGESTED DEWATERING BASIN LOCATION

TEMPORARY EASEMENT

PERMANENT EASEMENT

LOCATION LINE OF 1917 SHLO 1777

CRANBERRY HIGHWAY (ROUTE 28NB/6WB)

INTERSTATE 195 WEST
BEAR RIGHT

STONE GUARDRAIL

TRAFFIC BARREL (TYP.)

PT #56.56

11'-0" TRAVEL LANE

11'-0" TRAVEL LANE

5'-0" SIDEWALK

℄ OF CONSTRUCTION

STEEL GUARDRAIL

1923 SHLO NO. 2313

TURN LEFT

6 WEST
MARION / WAREHAM
LEFT LANE
28 NORTH
MIDDLEBORO
RIGHT LANE

CONC. GUARDRAIL

CONC. DECK WITH METAL RAIL

205
N: 2739532.324'
E: 881072.276'
EL: 17.131'
MTRAV MAG SET

TEMP. LIMITED DEFL. BARRIER, TL-3 (TYP.)

FISH LADDER

AGAWAM HERRING RUN

AGAWAM RIVER

TEMP. CLF (TYP.)

PERMANENT EASEMENT

CURB STOPS

EOG

PHASE 2B
SCALE: 1" = 10'

CONSTRUCTION ZONE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
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606352_BR19(W060020).DWG Plotted on 31-Jul-2026 12:52 PM
8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	57	125
	PROJECT FILE NO. 606352		

PHASED CONSTRUCTION
PLANS NO. 5

PERMANENT EASEMENT

TEMP. EASEMENT

CONTROL OF WATER FOR PHASES 3-5

1917 SHLO NO. 1777

LOCATION LINE OF 1917 SHLO 1777

6'-3" SIDEWALK

11'-0" TRAVEL LANE

11'-0" TRAVEL LANE

CRANBERRY HIGHWAY (ROUTE 28NB/6WB)

TEMP. PAVEMENT MARKINGS

℄ OF CONSTRUCTION

PT +56.56

1923 SHLO NO. 2313

TEMP. LIMITED DEFL. BARRIER, TL-3 (TYP.)

R&D PORTIONS OF EXIST. FISH WAY

205
N: 2739532.324'
E: 881072.276'
EL: 17.131'
MTRAV MAG SET

TEMPORARY SHORING FOR PHASE 3-5

TEMP. CLF (TYP.)

CONTROL OF WATER FOR PHASE 3

AGAWAM RIVER

PERMANENT EASEMENT

SUGGESTED DEWATERING BASIN LOCATION

PERMANENT EASEMENT

AGAWAM RIVER ESTUARY INFORMATION

CONSTRUCTION ZONE

PHASE 3A

SCALE: 1" = 10'

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER

USE ONLY PRINTS OF LATEST DATE

606352_BR19(W06020)- PHASE 3.DWG Plotted on 31-Jul-2026 12:52 PM
8-August-2026
Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	58	125
	PROJECT FILE NO. 606352		

PHASED CONSTRUCTION
PLANS NO. 6

606352_BR19(W06020) - PHASE 3B.DWG Plotted on 31-Jul-2026 12:52 PM

CONTROL OF WATER
PERMANENT EASEMENT
TEMP. EASEMENT
PERMANENT EASEMENT
1917 SHLO NO. 1777
LOCATION LINE OF 1917 SHLO 1777
6'-3" SIDEWALK
11'-0" TRAVEL LANE
11'-0" TRAVEL LANE
CRANBERRY HIGHWAY (ROUTE 28NB/6WB)
INTERSTATE 195 WEST
PEDESTRIAN CROSSING
E.B. OF CONSTRUCTION
TEMP. PAVEMENT MARKINGS
PT +56.56
STONE GUARDRAIL
PEDESTRIAN CROSSING
1923 SHLO NO. 2313
TURN LEFT
CONSTRUCT FISH LADDER RETAINING WALL AND FOOTING
TEMP. LIMITED DEFL. BARRIER, TL-3 (TYP.)
INSTALL RIPRAP APRON AND RESTORE STREAMBED
CONTROL OF WATER
AGAWAM RIVER
PERMANENT EASEMENT
TEMPORARY SHORING
CONSTRUCT WALKWAY TO HARVESTING PAD AREA
CONSTRUCT PROPOSED FISH LADDER
SUGGESTED DEWATERING BASIN LOCATION
MREB FOUND
AGAWAM RIVER ESTUARY INFORMATION
205
N: 2739532.324'
E: 881072.276'
EL: 17.131'
MTRAV MAG SET
CONSTRUCTION ZONE

PHASE 3B
SCALE: 1" = 10'

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

SHEET 21 OF 76 SHEETS BRIDGE NO. W-06-020 (CCV)

Final Structural Submittal (SF) 8-August-2026

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	59	125
PROJECT FILE NO.	606352		

PHASED CONSTRUCTION
PLANS NO. 7

MILL POND
(NORMAL POOL EL. 14.3)

LIMIT OF HYDROGRAPHIC SURVEY

PERMANENT EASEMENT

CONC WALL (TYP.)

CONC STRUCTURE

TOP OF WATER=13.6± (CULVERT NOT VISIBLE)

PERMANENT EASEMENT

TEMPORARY EASEMENT

MASONRY WALL

UP #102/139 1917 SHLO NO. 1777

LOCATION LINE OF 1917 SHLO 1777

PROP. TEMP. PAVEMENT MARKINGS

PROP. SECANT WALL

11'-0" TRAVEL LANE

R&D PORTION OF EXISTING PRIMARY SPILLWAY CULVERT AND TEMPORARY BRIDGE

CRANBERRY HIGHWAY (ROUTE 28NB/6WB)

INTERSTATE 195 WEST REAR RIGHT

℄ OF CONSTRUCTION

STONE GUARDRAIL

UP #534/760

TRAVEL PROHIBITED IN BREAKDOWN LANE

1923 SHLO NO. 2313

PEDSTRIAN CROSSING

TURN LEFT

INSTALL TEMP. 6'-0" CHAIN LINK FENCE

FISH LADDER RETAINING WALL AND FOOTING

R&D POTION OF EXISTING FISH LADDER

REMOVE THE PORTION OF THE WATERLINE OVER THE EXISTING CULVERT AND REPLACE PIPE IN LINE WITH BURIED PIPE

205
N: 2739532.324'
E: 881072.276'
EL: 17.131'
MTRAV MAG SET

PERMANENT EASEMENT

AGAWAM RIVER

AGAWAM HERRING RUN

SUGGESTED DEWATERING BASIN LOCATION

CURB STOPS

EOG

CONSTRUCTION ZONE

PHASE 4
SCALE: 1" = 10'

DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

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

606352_BR19(W06020)- PHASE 4.DWG Plotted on 31-Jul-2026 12:53 PM
8-August-2026
Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	60	125
PROJECT FILE NO. 606352			

PHASED CONSTRUCTION
PLANS NO. 8

606352_BR19(W86020)- PHASE 5.DWG Plotted on 31-Jul-2026 12:53 PM

48"x84" WARNING SIGN ON BUOY

PERMANENT EASEMENT

MILL POND
(NORMAL POOL EL. 14.3)

48"x72" DAM HAZARD SIGN ON BUOY

PROP. FLOATING WARNING BARRIER

INSTALL REMAINING PORTION OF RIPRAP

R&D REMAINING EXIST. PRIMARY SPILLWAY

PROP. 2'-0"ø RCP

LIMIT OF HYDROGRAPHIC SURVEY

SEE INSET A

RECONSTRUCT FISH WAY WALLS AND CHANNEL BOTTOM

R&D EXIST. FISHLADDER, INSTALL PROP. HEADWALL AND INLET

TEMPORARY EASEMENT

1917 SHLO NO. 1777

LOCATION LINE OF 1917 SHLO 1777

1917 SHLO 1777 BASELINE

CRANBERRY HIGHWAY (ROUTE 28NB/6WB)

℄ OF CONSTRUCTION

PI +38.56

PI +69.61

11'-0" TRAVEL LANE

11'-0" TRAVEL LANE

5'-0" SIDEWALK

1923 SHLO NO. 2313

LOCATION LINE OF 1925 SHLO 2313

TEMP. LIMITED DEFL. BARRIER, TL-3 (TYP.)

AGAWAM RIVER

AGAWAM HERRING RUN

MILL POND

INSET A

RECONSTRUCT EXIST. FISHWAY EXIT

#10 OLD GLEN CHARLIE ROAD
MAP 129 LOT 1162
TOWN OF WAREHAM

#6-8 OLD GLEN CHARLIE ROAD
MAP 129 LOT RA
ERIN K. MACLURE
DEED BOOK 50537 PAGE 166
PLAN BOOK 11 PLAN 1115

OPEN FISH WAY

MMON SB/DISK

APPROX.

WAREHAM NEW BEDFORD ELKS LODGE #73

PHASE 5
SCALE: 1" = 20'

CONSTRUCTION ZONE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

USE ONLY PRINTS OF LATEST DATE

SHEET 23 OF 76 SHEETS BRIDGE NO. W-06-020 (CCV)

8-August-2026

Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	61	125
PROJECT FILE NO. 606352			

PHASED CONSTRUCTION
PLANS NO. 9

PERMANENT EASEMENT

PROP. FLOATING WARNING BARRIER

MILL POND
(NORMAL POOL EL. 14.3)

LIMIT OF HYDROGRAPHIC SURVEY

SPILLWAY AND LOW LEVEL OUTLET

CONC WALL (TYP.)

CONC STRUCTURE

TOP OF WATER=13.6± (CULVERT NOT VISIBLE— NO ACCESS)

PERMANENT EASEMENT

TEMPORARY EASEMENT

MASONRY WALL

UP #102/139 1917 SHLO NO. 1777

LOCATION LINE OF 1917 SHLO 1777

6'-3" SIDEWALK

11'-0" TRAVEL LANE

11'-0" TRAVEL LANE

CRANBERRY HIGHWAY (ROUTE 28NB/6WB)

INTERSTATE 195 WEST BEAR RIGHT

℄ OF CONSTRUCTION

STONE GUARDRAIL

CONSTRUCT PROPOSED SOUTH SIDEWALK

UP #534/760

TEMP. TRAFFIC BARRIER, TL-3 (TYP.)

CONSTRUCT SIDEWALK AND RAILING WITH PROTECTIVE SCREEN

PERMANENTLY RELOCATION OVERHEAD UTILITIES TO FINAL POSITION

UP #762

1923 SHLO NO. 2313

PEDESTRIAN CROSSING

TURN LEFT

6 WEST MARION WAREHAM LEFT LANE
28 NORTH MIDDLEBORO RIGHT LANE

205
N: 2739532.324'
E: 881072.276'
EL: 17.131'
MTRAV MAG SET

PROPOSED MODIFIED ROCK FILL FOR STORMWATER TREATMENT UNIT

AGAWAM RIVER

AGAWAM HERRING RUN

CONSTRUCT STORAGE SHED

CURB STOPS

EOG

24"D

24"D TWIN

50"D

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

PHASE 6
SCALE: 1" = 10'

CONSTRUCTION ZONE

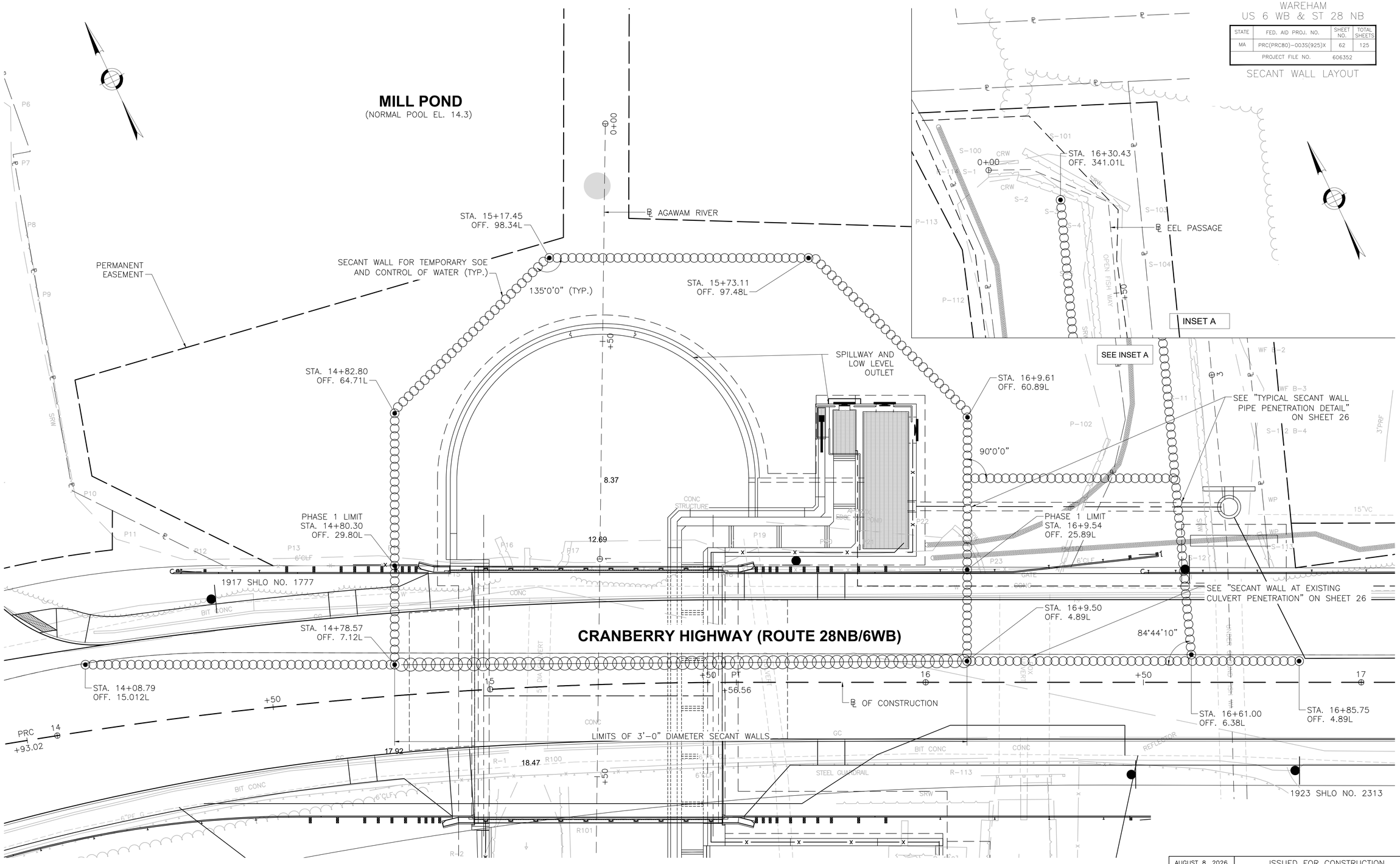
606352_BR19(W06020)- PHASE 6.DWG Plotted on 31-Jul-2026 12:53 PM

Final Structural Submittal (SF) 8-August-2026

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	62	125
	PROJECT FILE NO. 606352		

SECANT WALL LAYOUT



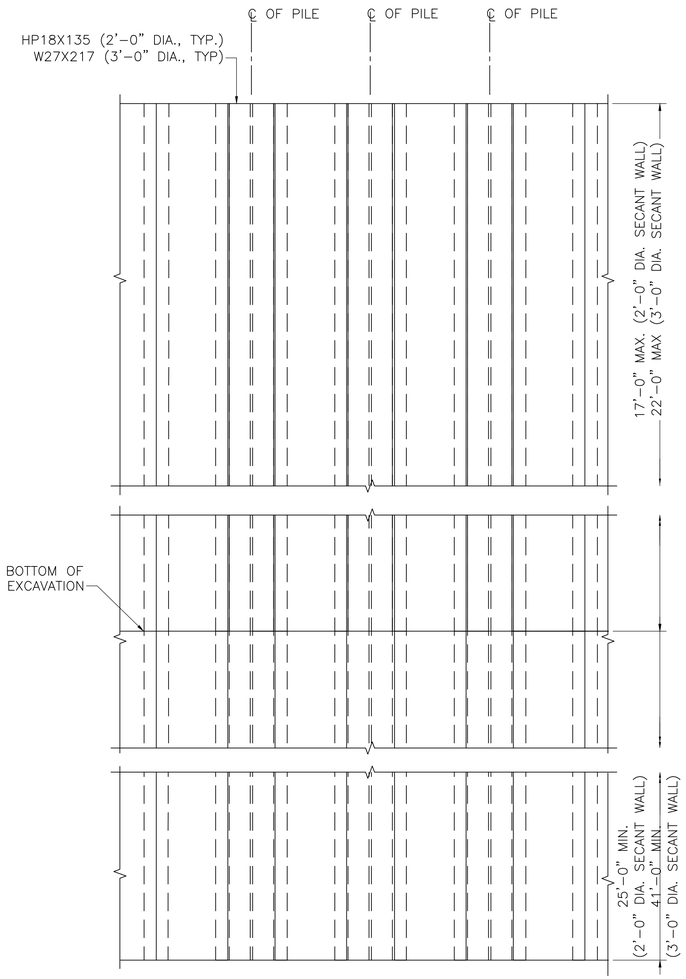
SECANT WALL PLAN

SCALE: 1" = 10'

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

606352_BRX(W06020) - SECANT WALL.DWG Plotted on 31-Jul-2026 12:54 PM
8-August-2026
Final Structural Submittal (SF)

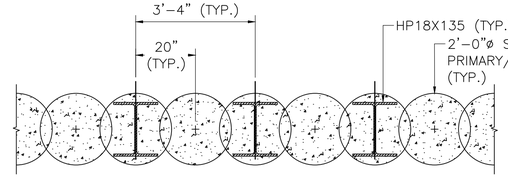


EXCAVATION SUPPORT/CUTOFF SECANT WALL ELEVATION

SCALE: $\frac{1}{2}$" = 1'-0"

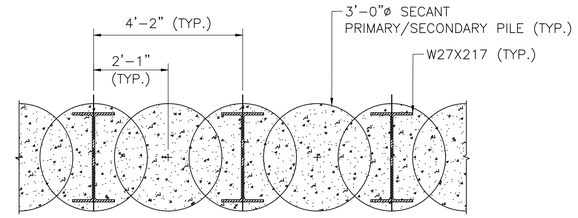
SECANT WALL & EXCAVATION SUPPORT NOTES:

1. PROPOSED STEEL H PILES SHALL BE FULLY EMBEDDED IN THE SECONDARY SECANT WALL PILES.
2. GROUND WATER SHALL BE LOWERED AT LEAST 2'-0" BELOW THE DESIGNATED BOTTOM OF EXCAVATIONS BY PUMPING BOTH ON THE INSIDE AND OUTSIDE OF THE EXCAVATION SUPPORT SYSTEM PRIOR TO PLACEMENT OF ALL MATERIAL. REFER TO BORING LOGS FOR GROUND WATER INFORMATION.



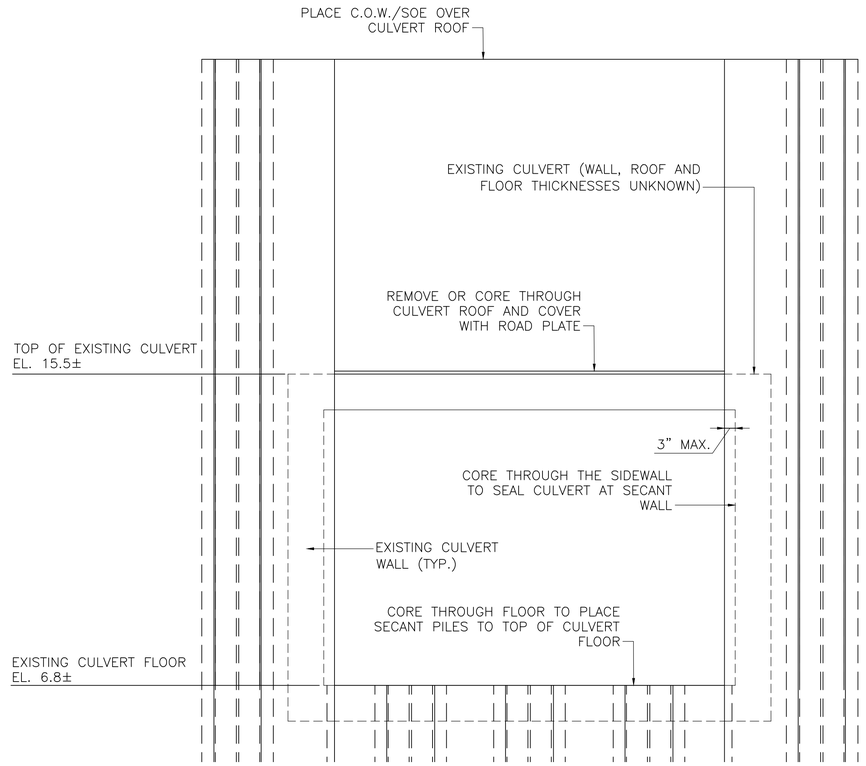
EXCAVATION SUPPORT/CUTOFF SECANT WALL SECTION – 2'-0" DIAMETER

SCALE: $\frac{1}{2}$" = 1'-0"



EXCAVATION SUPPORT/CUTOFF SECANT WALL SECTION – 3'-0" DIAMETER

SCALE: $\frac{1}{2}$" = 1'-0"

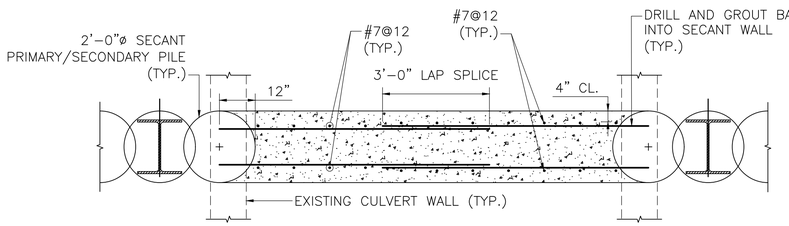


SECANT WALL AT EXISTING CULVERT PENETRATION

SCALE: $\frac{1}{2}$" = 1'-0"

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	63	125
	PROJECT FILE NO. 606352		

SECANT WALL DETAILS NO. 1

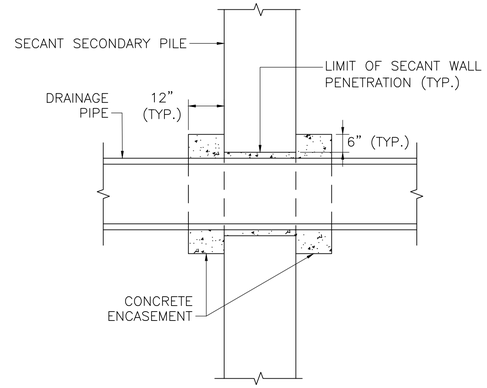


SECANT WALL CLOSURE DETAIL

SCALE: $\frac{1}{2}$" = 1'-0"

CULVERT PENETRATION NOTES:

1. TO MAINTAIN FLOW THROUGH THE EXISTING MAIN SPILLWAY DURING PHASES 1 AND 2 OF CONSTRUCTION, THE SECANT CUTOFF WALL SHALL BE INSTALLED THROUGH THE CULVERT FLOOR TO THE REQUIRED DEPTH AND TERMINATED AT THE TOP OF THE CULVERT FLOOR.
2. THE SECANT CLOSURE DETAIL IS INTENDED TO BE USED ON TOP OF THE EXISTING CULVERT PRIOR TO ITS DEMOLITION AS SUPPORT OF EXCAVATION AND CONTROL OF WATER. IT IS ALSO INTENDED TO BE USED TO CLOSE THE VOID OF THE EXISTING CULVERT AFTER ITS DEMOLITION.
3. ALL LABOR AND MATERIALS FOR THIS WORK IS INCIDENTAL TO THE SECANT WALL ITEM.



TYPICAL SECANT WALL PIPE PENETRATION DETAIL

SCALE: $\frac{1}{2}$" = 1'-0"

PIPE PENETRATION NOTES:

1. THE PENETRATION SHALL BE PLACED THROUGH A SECONDARY SECANT PILE TO AVOID THE STRUCTURAL STEEL IN THE PRIMARY SECANT PILES.
2. THE CONCRETE FOR THE ENCASEMENTS SHALL MATCH THE CONCRETE OF THE SECANT PILES.

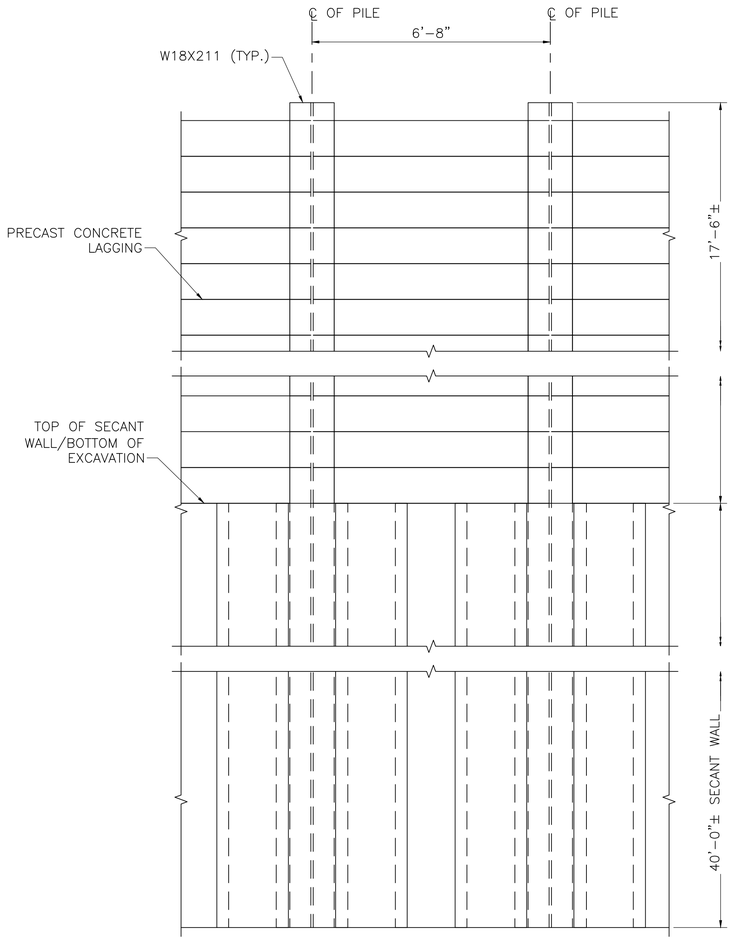
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

606352_BRX(W06020)-SECANT WALL.DWG Plotted on 31-Jul-2026 12:54 PM
8-August-2026 Final Structural Submittal (SF)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	64	125
	PROJECT FILE NO. 606352		

SECANT WALL DETAILS NO. 2

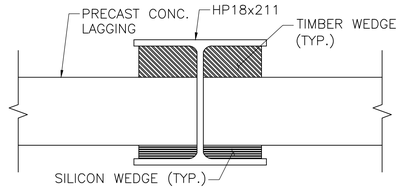


COFFERDAM SECANT WALL ELEVATION

SCALE: $\frac{1}{2}$" = 1'-0"

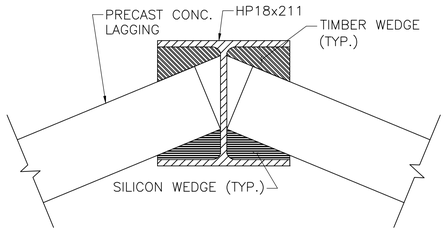
COFFERDAM NOTES:

1. PROPOSED STEEL H PILES SHALL BE FULLY EMBEDDED IN THE SECONDARY SECANT WALL PILES.
2. PRECAST CONCRETE PANELS SHALL BE PLACED WITH WATER TIGHT SEALERS AT THE INTERFACE WITH THE STEEL PILES. THE BOTTOMS OF THE PANEL SECTIONS SHALL BE GROUTED AS REQUIRED FOR WATER CUTOFF AT THE INTERFACE WITH THE SECANT WALL.
3. THE CONTRACTOR SHALL INSTALL A WATERPROOFING/SEALING MEMBRANE AS REQUIRED BEHIND THE PRECAST CONCRETE LAGGING TO REDUCE LEAKAGE INTO THE EXCAVATION AREA.
4. AFTER THE INSTALLATION OF THE SYSTEM, THE CONTRACTOR SHALL GRADUALLY DEWATER THE EXCAVATION AREA AND CONTINUE DEWATERING AS REQUIRED DUE TO LEAKAGE AND SEEPAGE INTO THE EXCAVATED AREA.



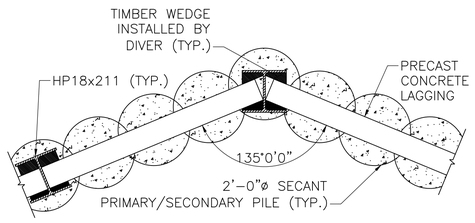
TYPICAL LAGGING WEDGE DETAIL

SCALE: $1\frac{1}{2}$" = 1'-0"



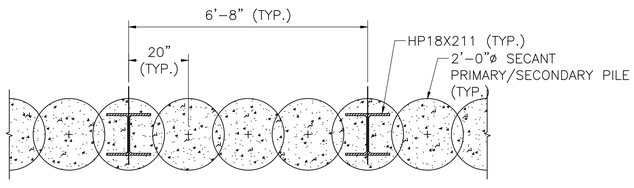
TYPICAL LAGGING WEDGE DETAIL AT TURN

SCALE: $1\frac{1}{2}$" = 1'-0"



COFFERDAM SECANT WALL SECTION AT TURN

SCALE: $\frac{1}{2}$" = 1'-0"



COFFERDAM SECANT WALL SECTION

SCALE: $\frac{1}{2}$" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

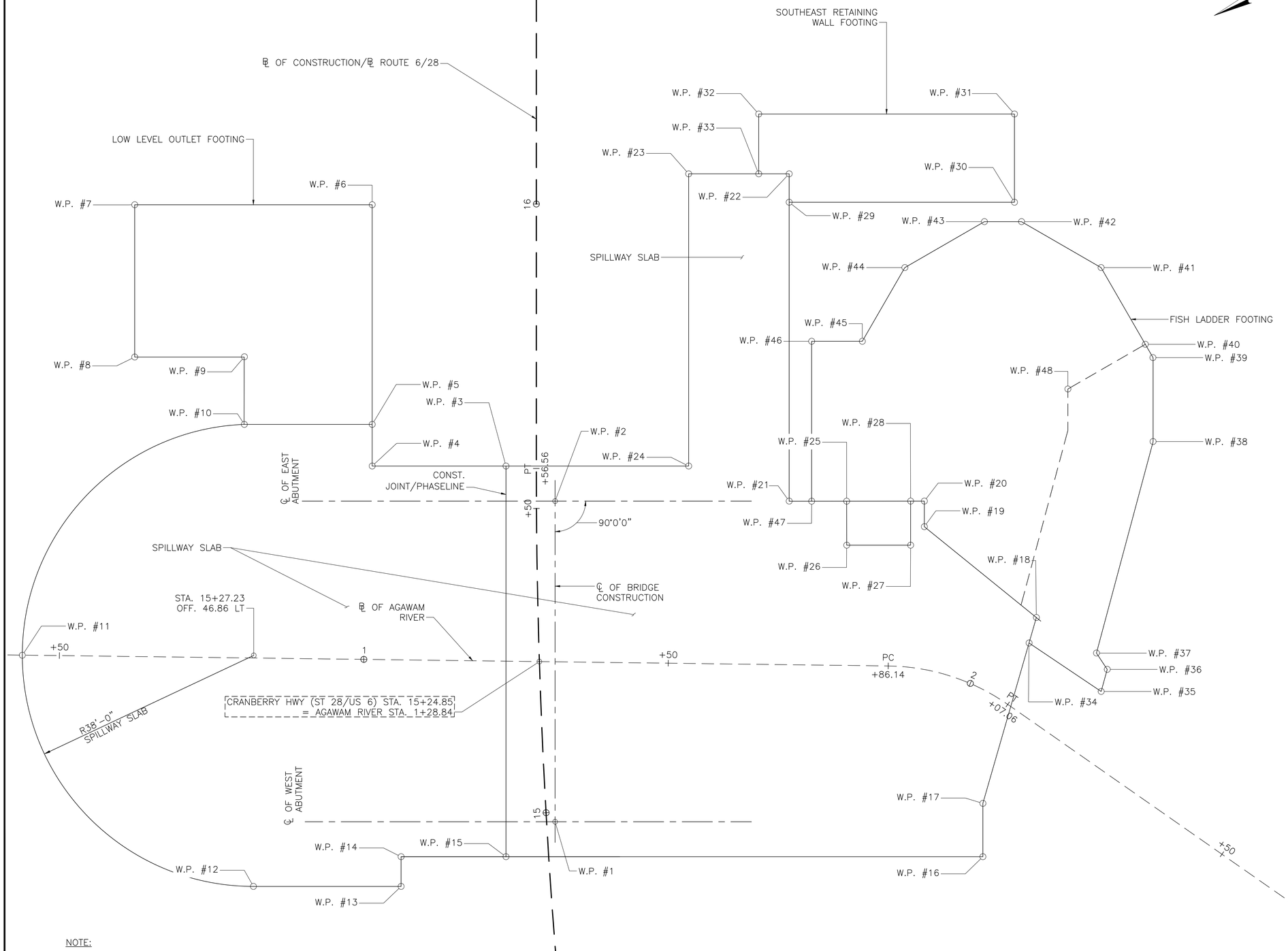
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

606352_BRX(W06020)-SECANT WALL.DWG Plotted on 31-Jul-2026 12:54 PM
8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	65	125
PROJECT FILE NO.	606352		

FOOTING GENERAL PLAN



NOTE:

SEE FOLLOWING SHEET FOR INFORMATION ON WORKING POINTS.

FOOTING GENERAL PLAN

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

DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

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

SHEET 28 OF 76 SHEETS BRIDGE NO. W-06-020 (CCV)

FOOTING WORKING POINTS.DWG Plotted on 31-Jul-2026 12:54 PM

8-August-2026 Final Structural Submittal (SF)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	66	125
PROJECT FILE NO. 606352			

FOOTING WORKING POINTS

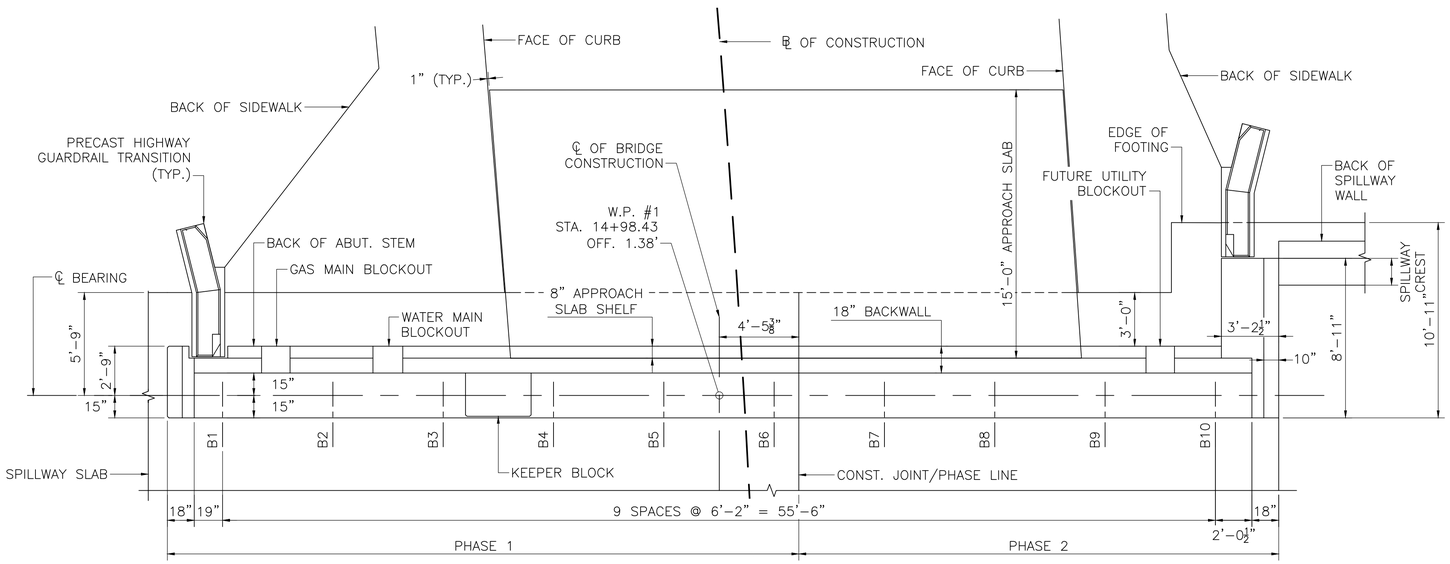
FOOTING WORKING POINTS				
WORKING POINT #	STA.	OFFSET	TOP ELEVATION	BOT. ELEVATION
BRIDGE CONSTRUCTION WORKING POINTS				
1	14+98.43	1.40 RT	4.00	0.50
2	15+51.19	3.07 RT	4.00	0.50
MAIN SPILLWAY SLAB				
3	15+56.96	4.98 LT	4.00	0.50
4	15+56.96	26.96 LT	4.00	0.50
5	15+63.81	26.96 LT	4.00	0.50
6	15+99.88	26.96 LT	4.00	0.50
7	15+99.88	65.96 LT	4.00	0.50
8	15+74.88	65.96 LT	4.00	0.50
9	15+74.88	47.97 LT	4.00	0.50
10	15+63.81	47.99 LT	4.00	0.50
11	15+28.31	84.85 LT	4.00	0.50
12	14+91.06	48.71 LT	4.00	0.50
13	14+89.51	24.51 LT	4.00	0.50
14	14+94.26	24.19 LT	4.00	0.50
15	14+93.19	7.00 LT	4.00	0.50
16	14+87.86	71.14 RT	4.00	0.50
17	14+97.28	71.70 RT	4.00	0.50
18	15+29.90	81.68 RT	4.00	0.50
19	15+46.36	63.67 RT	4.00	0.50
20	15+50.85	63.71 RT	4.00	0.50
21	15+50.98	41.50 RT	4.00	0.50
22	16+04.96	41.52 RT	4.00	0.50
23	16+04.92	25.02 RT	4.00	0.50
24	15+56.96	25.02 RT	4.00	0.50
SPILLWAY FOOTING @ POOL 10				
25	15+50.90	50.95 RT	3.50	0.50
26	15+43.29	50.89 RT	3.50	0.50
27	15+43.14	61.39 RT	3.50	0.50
28	15+50.86	61.46 RT	3.50	0.50
SOUTHEAST RETAINING WALL FOOTING				
29	16+00.29	41.52 RT	4.00	0.50
30	16+00.29	78.52 RT	4.00	0.50
31	16+14.79	78.52 RT	4.00	0.50
32	16+14.79	36.52 RT	4.00	0.50
33	16+04.96	36.52 RT	4.00	0.50
SOUTHEAST RETAINING WALL FOOTING				
34	15+25.40	80.37 RT	0.00	-1.50
35	15+16.23	92.95 RT	0.00	-1.50
36	15+20.18	94.80 RT	0.00	-1.50
37	15+23.19	93.17 RT	0.00	-1.50
38	15+60.96	102.58 RT	0.00	-1.50
39	15+74.76	102.65 RT	0.00	-1.50
40	15+76.96	101.41 RT	0.00	-1.50
41	15+89.56	95.62 RT	0.00	-1.50
42	15+97.10	92.20 RT	0.00	-1.50
43	15+97.10	81.56 RT	0.00	-1.50
44	15+97.10	72.81 RT	0.00	-1.50
45	15+77.46	62.20 RT	0.00	-1.50
46	15+77.46	58.73 RT	0.00	-1.50
47	15+50.94	52.98 RT	0.00	-1.50
48	15+69.61	52.70 RT	0.00	-1.50

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT AUTHORIZED SIGNATORY:	STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE	

FOOTING WORKING POINTS.DWG Plotted on 31-Jul-2026 12:54 PM
8-August-2026 Final Structural Submittal (SF)

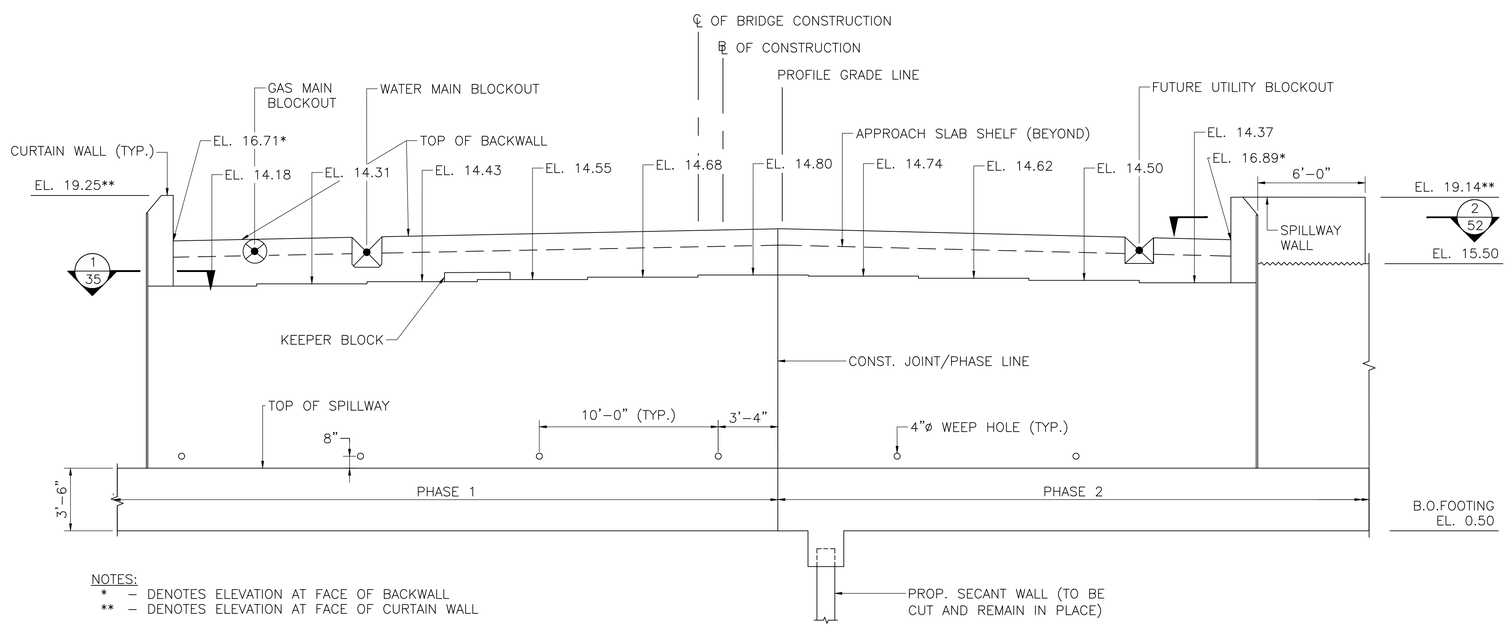
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	67	125
	PROJECT FILE NO. 606352		

WEST ABUTMENT PLAN & ELEVATION



WEST ABUTMENT PLAN

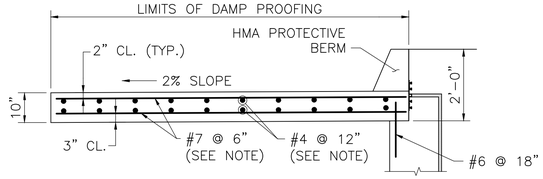
SCALE: ¼" = 1'-0"



NOTES:
* – DENOTES ELEVATION AT FACE OF BACKWALL
** – DENOTES ELEVATION AT FACE OF CURTAIN WALL

WEST ABUTMENT ELEVATION

SCALE: ¼" = 1'-0"

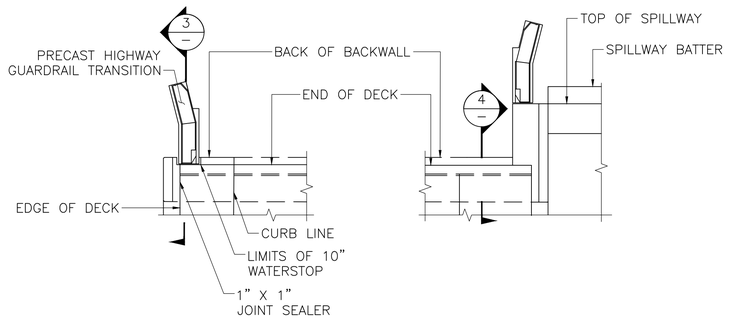


NOTE:

PLACE LONGITUDINAL REINFORCEMENT PERPENDICULAR TO ABUTMENT.
PLACE TRANSVERSE REINFORCEMENT PARALLEL TO ABUTMENT.
ALL REINFORCEMENT SHALL NOT BE COATED.

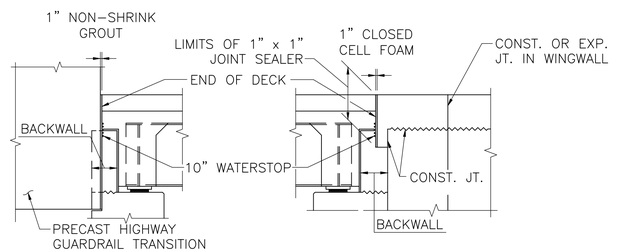
APPROACH SLAB DETAILS

SCALE: ½" = 1'-0"



END OF DECK PLAN

NOT TO SCALE



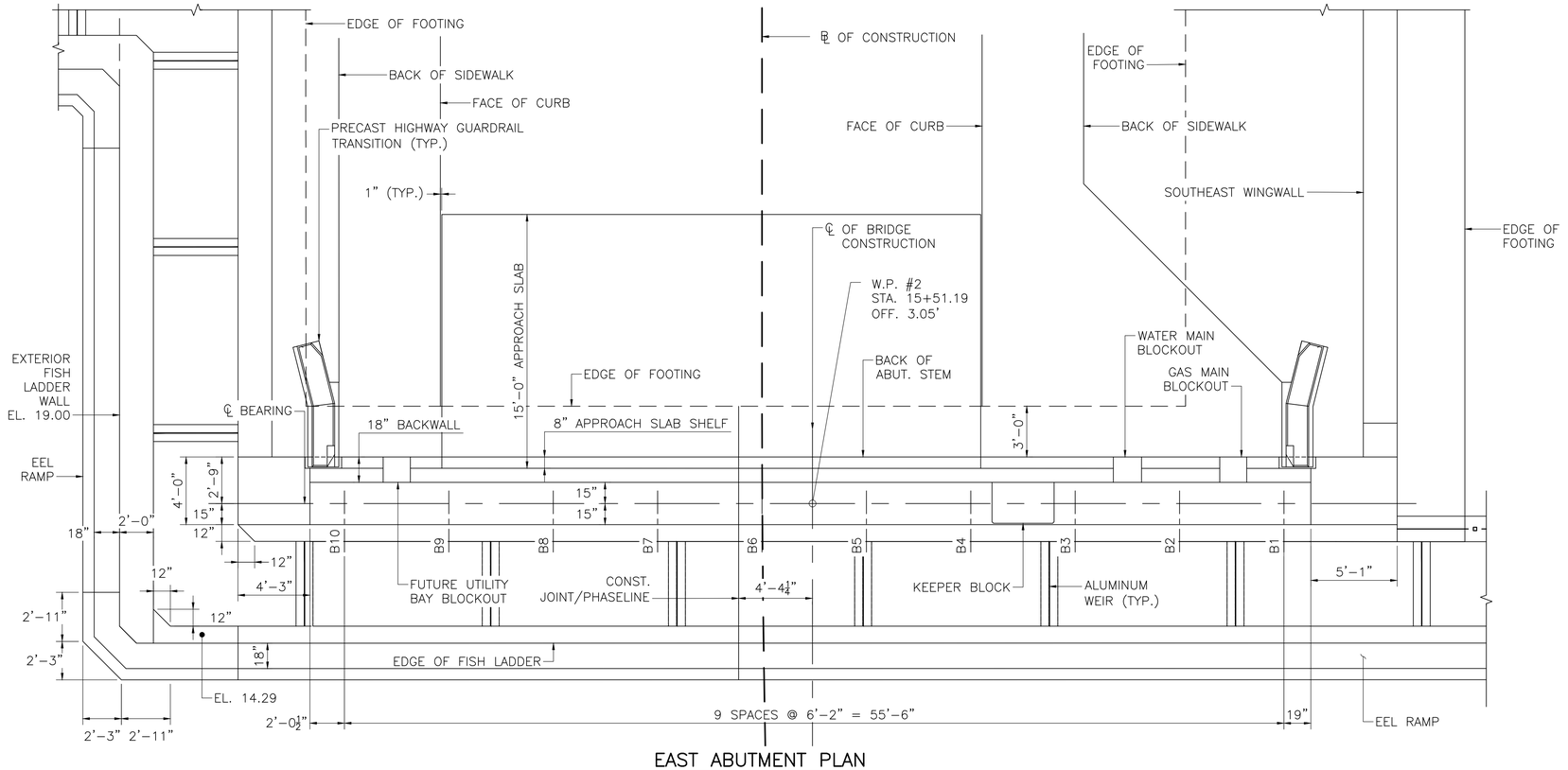
SECTION 3 – SCALE: ¼" = 1'-0"

SECTION 4 – SCALE: ¼" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

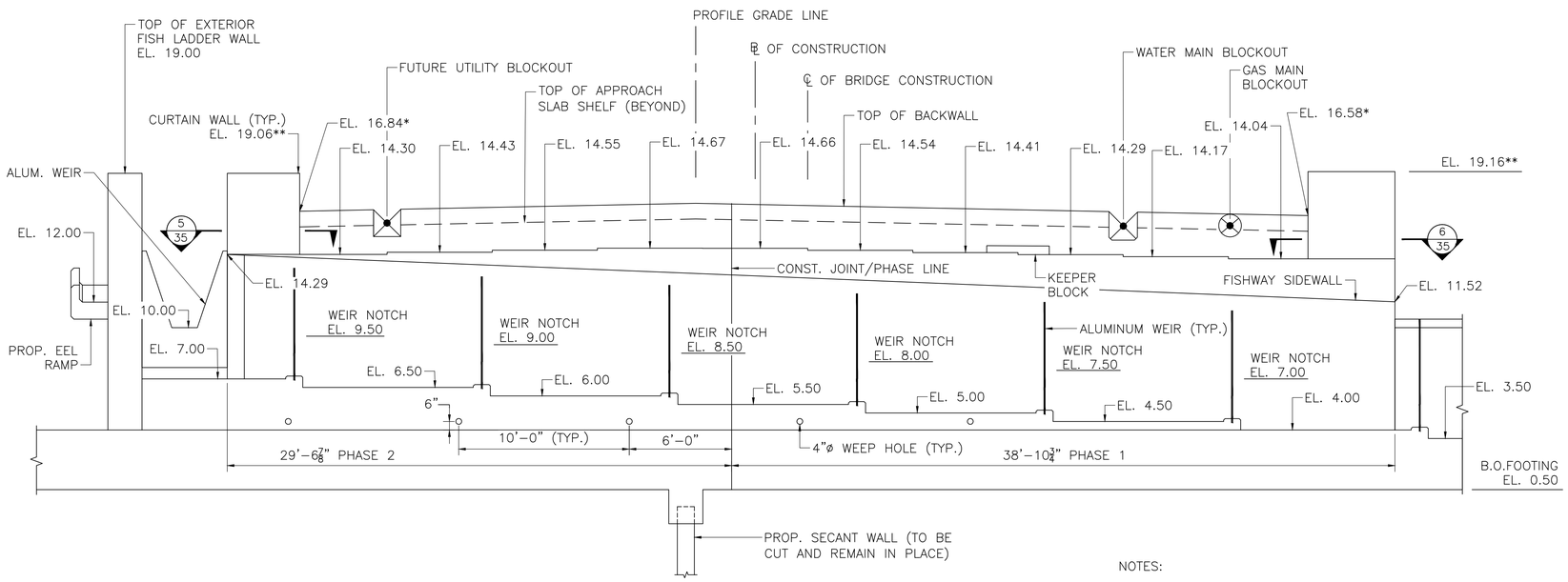
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

EAST ABUTMENT PLAN & ELEVATION.DWG Plotted on 31-Jul-2026 12:54 PM
8-August-2026
Final Structural Submittal (SF)



EAST ABUTMENT PLAN

SCALE: ¼" = 1'-0"



EAST ABUTMENT ELEVATION

SCALE: ¼" = 1'-0"

NOTES:

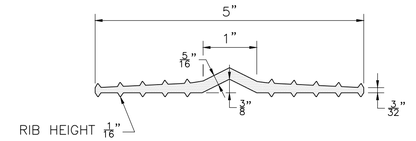
* – DENOTES ELEVATION AT FACE OF BACK WALL

** – DENOTES ELEVATION AT FACE OF CURTAIN WALL

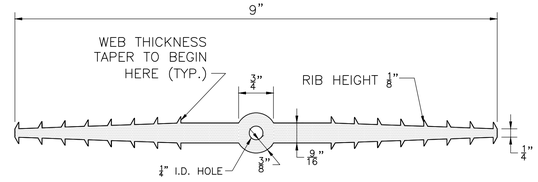
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	68	125
	PROJECT FILE NO. 606352		

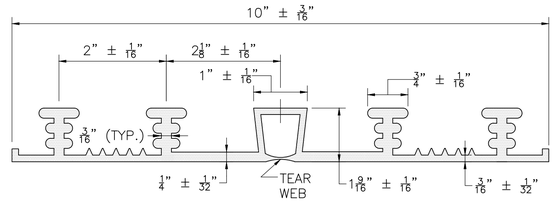
EAST ABUTMENT PLAN & ELEVATION



5" WATERSTOP
NOT TO SCALE



9" WATERSTOP
NOT TO SCALE



10" WATERSTOP
NOT TO SCALE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

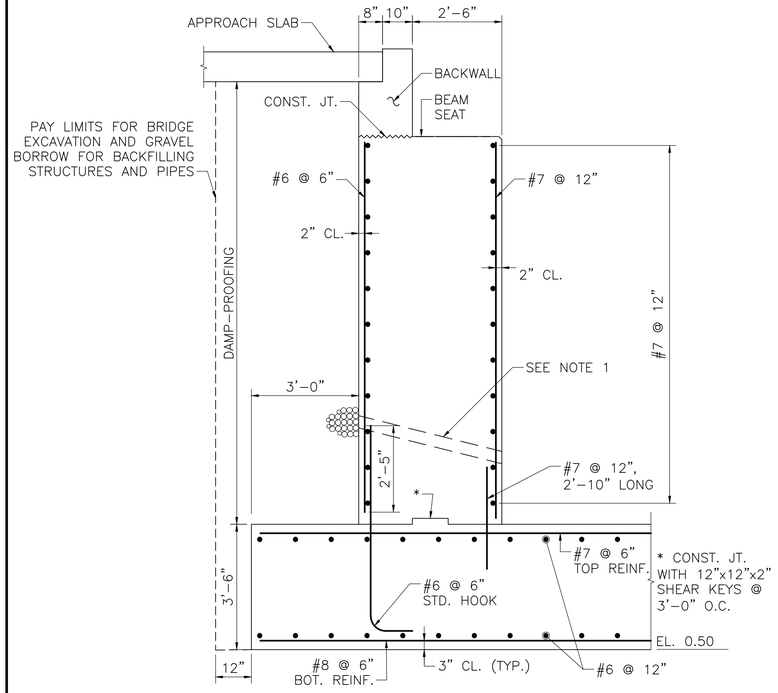
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
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EAST ABUTMENT PLAN & ELEVATION.DWG Plotted on 31-Jul-2026 12:54 PM
8-August-2026
Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	69	125
PROJECT FILE NO. 606352			

ABUTMENT SECTIONS & DETAILS NO. 1



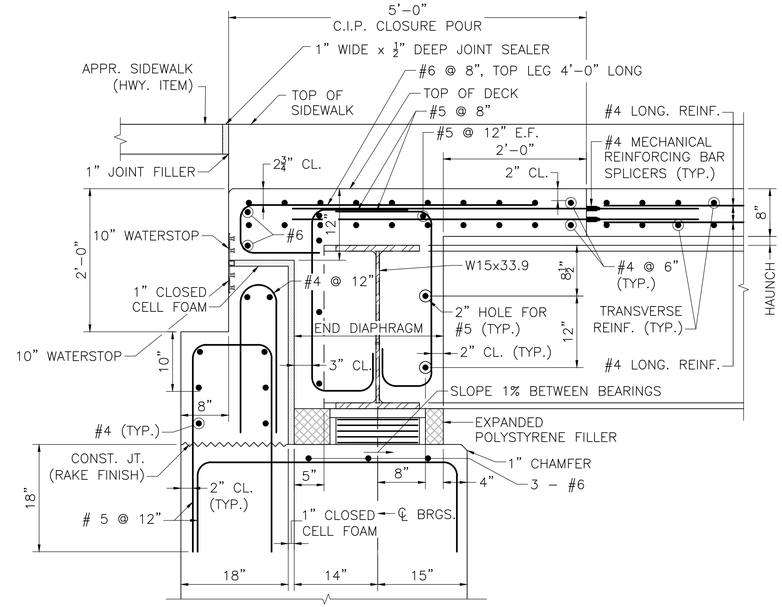
TYPICAL ABUTMENT SECTION

SCALE: $\frac{1}{2}$" = 1'-0"

NOTES:

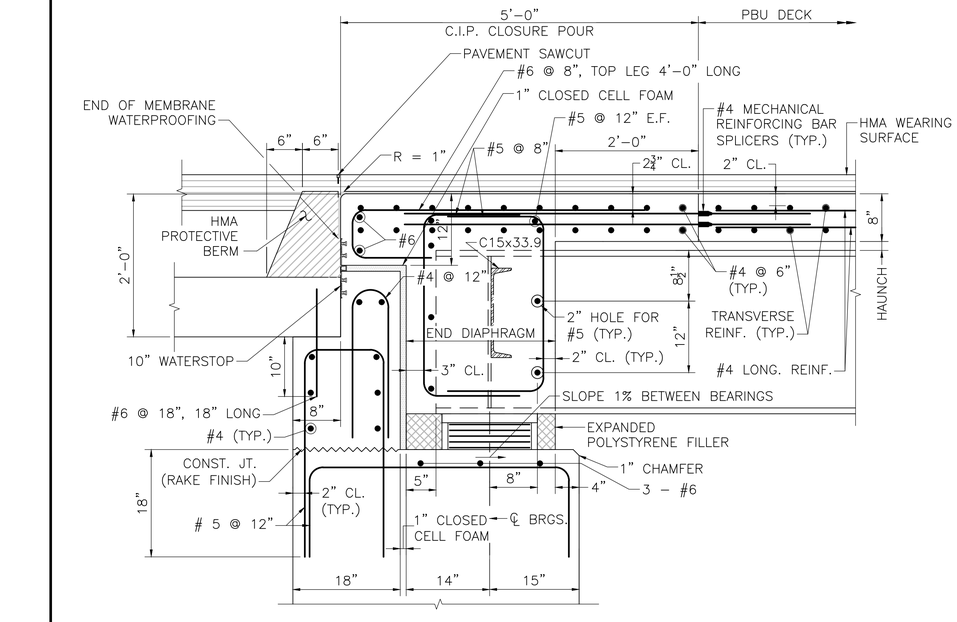
1. 4" ø WEEP HOLES 10'-0" O.C.. PROVIDE 1.0 CUBIC YARD OF CRUSHED STONE AT THE EXTERIOR END OF WEEP HOLE WITHIN THE BACKFILL.
2. AT EAST ABUTMENT, EXTEND WEEP HOLE TO FACE OF FISH LADDER.
3. 10" STEEL PIPE SLEEVES SHALL BE PURCHASED BY NATIONAL GRID AND INSTALLED IN BACKWALL BY MASSDOT CONTRACTOR (SEE "EAST ABUTMENT PLAN & ELEVATION" SHEET FOR DETAILS).
4. THE FACTORED BEARING PRESSURE = 6.43 KSF AS PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS STRENGTH I LOAD COMBINATION.

   FACTORED BEARING RESISTANCE = 8.00 KSF. FACTORED BEARING RESISTANCE IS THE PRODUCT OF THE NOMINAL BEARING RESISTANCE AND A RESISTANCE FACTOR OF 0.45



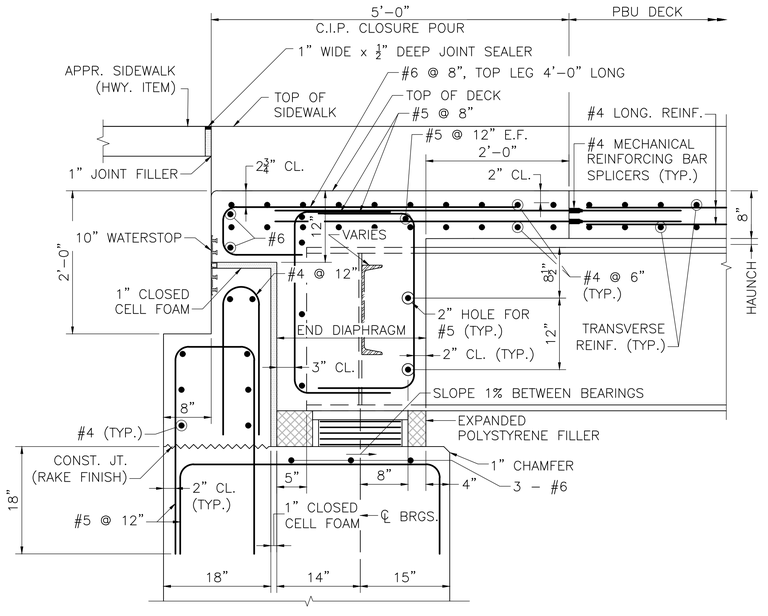
DETAILS AT ABUTMENT – UTILITY BAY SECTION

SCALE: 1" = 1'-0"



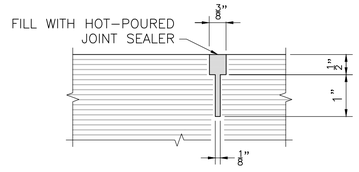
DETAILS AT ABUTMENT – ROADWAY SECTION

SCALE: 1" = 1'-0"



DETAILS AT ABUTMENT – SIDEWALK SECTION

SCALE: 1" = 1'-0"



PAVEMENT SAWCUT DETAIL

NOT TO SCALE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
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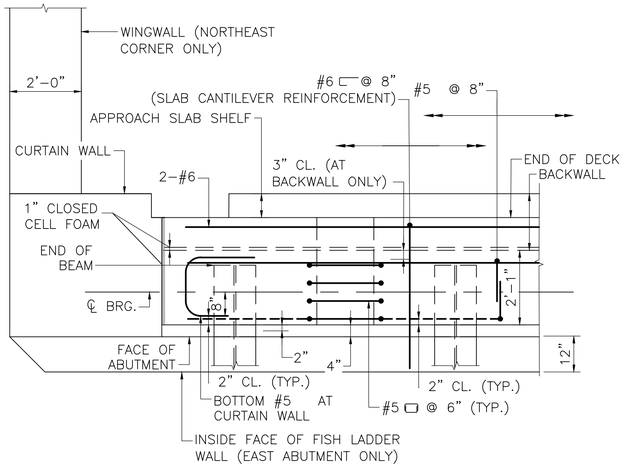
USE ONLY PRINTS OF LATEST DATE

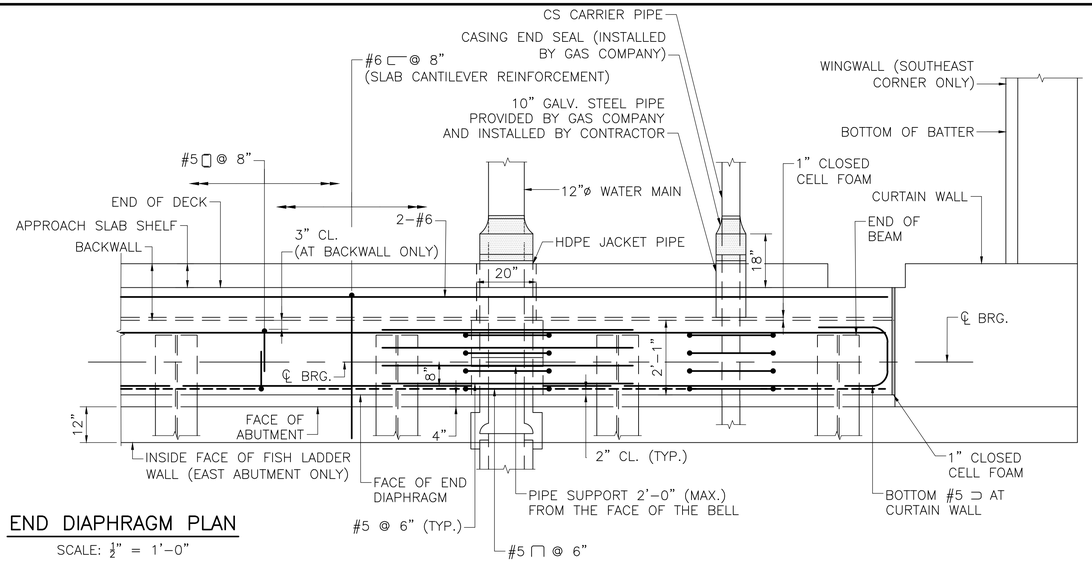
ABUTMENT SECTIONS & DETAILS NO. 4.DWG Plotted on 31-Jul-2026 12:54 PM
Final Structural Submittal (SF) 8-August-2026

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	70	125
	PROJECT FILE NO. 606352		

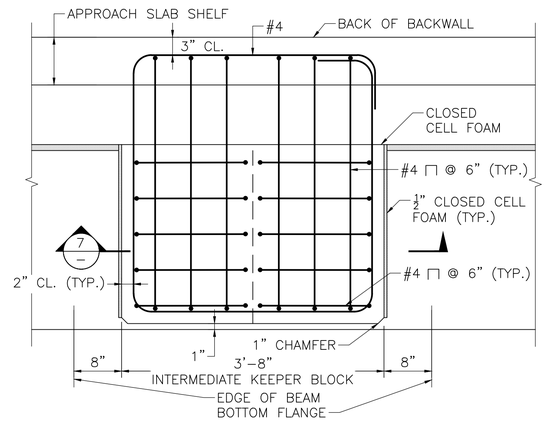
ABUTMENT SECTIONS & DETAILS NO. 2





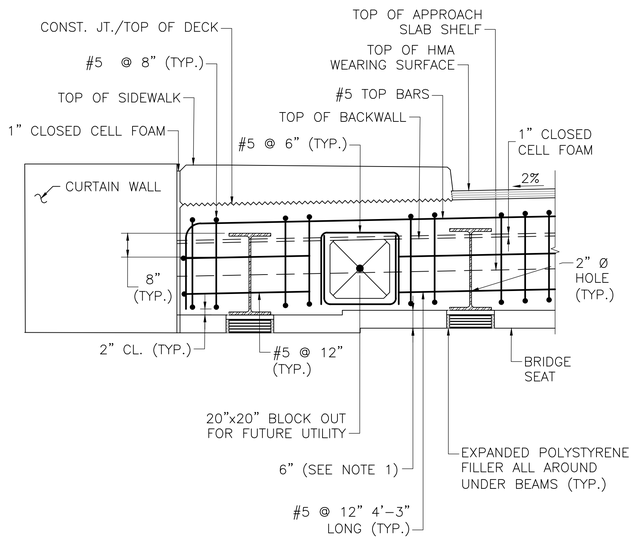
END DIAPHRAGM PLAN

SCALE: ½" = 1'-0"



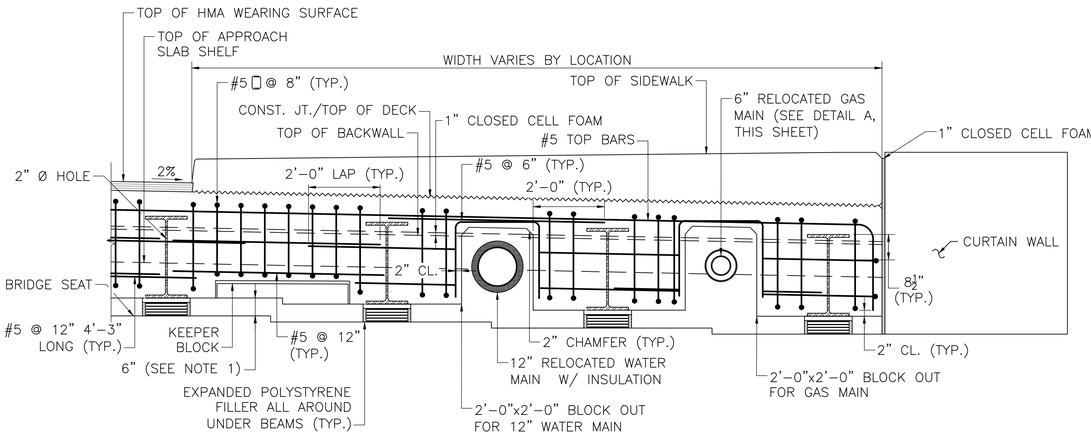
INTERMEDIATE ABUTMENT KEEPER BLOCK

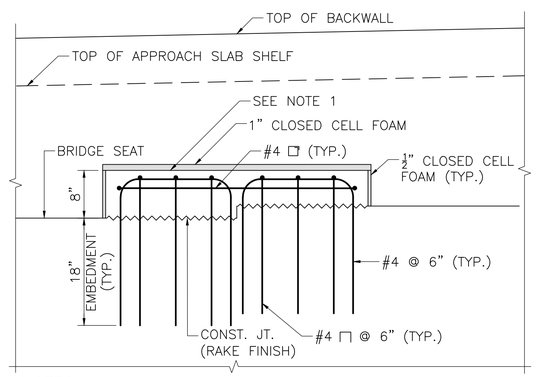
SCALE: 1" = 1'-0"



END DIAPHRAGM ELEVATION

SCALE: ½" = 1'-0"





NOTES:

1. TOP OF KEEPER BLOCK SHALL BE TROWELED SMOOTH PARALLEL TO PROFILE GRADE.
2. ABUTMENT REINFORCEMENT BELOW CONSTRUCTION JOINT HAS BEEN OMITTED FOR CLARITY.

SECTION 7 –

SCALE: 1" = 1'-0"

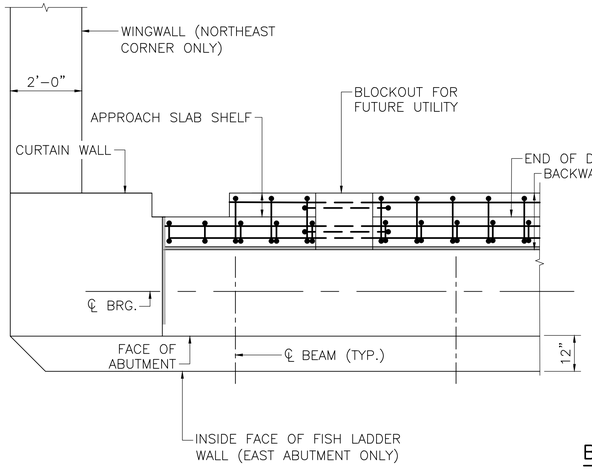
NOTES:

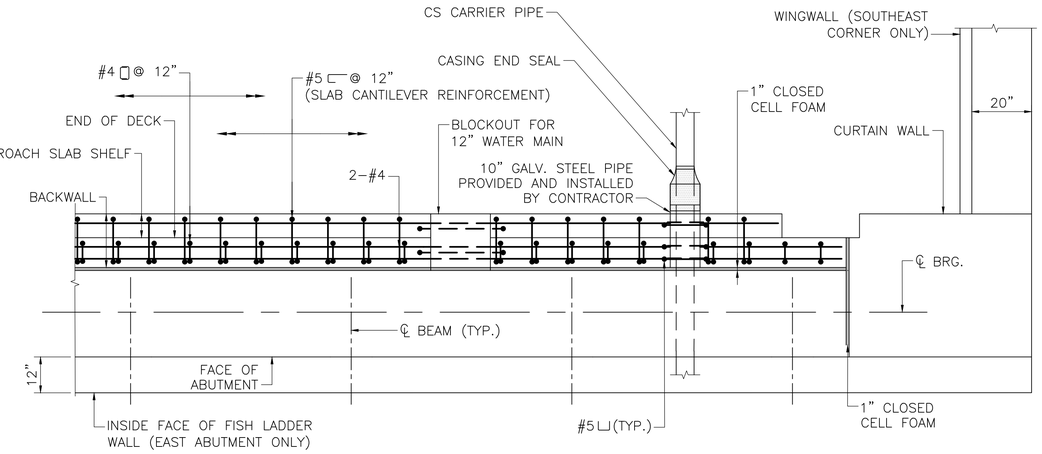
1. ALL REINFORCEMENT SHALL BE COATED.
2. HMA PROTECTIVE BERM TO BE SUPERPAVE BRIDGE PROTECTIVE COURSE (SPC-B-12.5), PLACED IN 2" LAYERS AND COMPACTED WITH A MECHANICAL HAND-GUIDED TAMPER.
3. ALL INTERMEDIATE KEEPER BLOCKS SHALL BE PLACED AFTER THE BEAMS ARE ERECTED.
4. THE BACKWALL, KEEPER BLOCKS AND CURTAIN WALL CONCRETE MUST BE PLACED AND SUFFICIENTLY CURED PRIOR TO PLACING THE END DIAPHRAGM CONCRETE.
5. PRIOR TO PLACING END DIAPHRAGM CONCRETE, CLOSED CELL FOAM OF THE SPECIFIED THICKNESS SHALL BE ATTACHED WITH ADHESIVE TO ALL SURFACES OF THE BACKWALL, KEEPER BLOCKS, AND CURTAIN WALLS AS SHOWN ON THE CONSTRUCTION DRAWINGS. THE BOTTOM OF THE END DIAPHRAGM SHALL BE FORMED BY PLACING EXPANDED POLYSTYRENE FILLER OF THE REQUIRED THICKNESS ON THE BRIDGE SEAT AND TUCKING IT UNDER THE BEAM BOTTOM FLANGES. THE CONTRACTOR SHALL MAKE SURE THAT THE CLOSED CELL FOAM AND EXPANDED POLYSTYRENE FILLER HAVE BEEN PROPERLY AND SECURELY INSTALLED SO THAT THE END DIAPHRAGM CONCRETE SHALL NOT COME IN DIRECT CONTACT WITH THE ABUTMENT CONCRETE.
6. DECK SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.
7. THE SLEEVES THROUGH THE ABUTMENT WALLS SHALL BE PURCHASED AND INSTALLED BY THE MASSDOT CONTRACTOR AND SHALL BE MADE INCIDENTAL TO THE BRIDGE LUMP SUM ITEM. (SEE "EAST ABUTMENT PLAN & ELEVATION" SHEET FOR DETAILS).

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

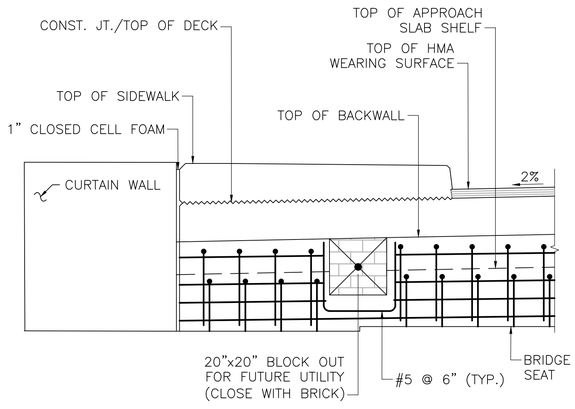
ABUTMENT SECTIONS & DETAILS NO. 4.DWG Plotted on 31-Jul-2026 12:54 PM
8-August-2026
Final Structural Submittal (SF)

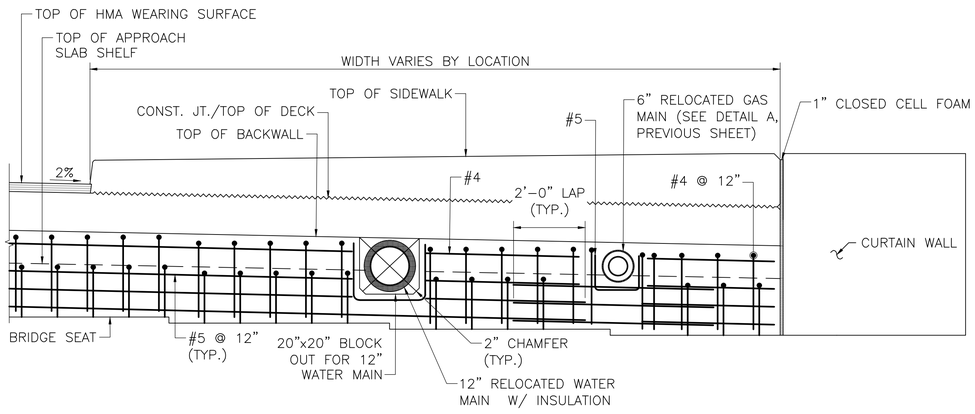




BACKWALL PLAN

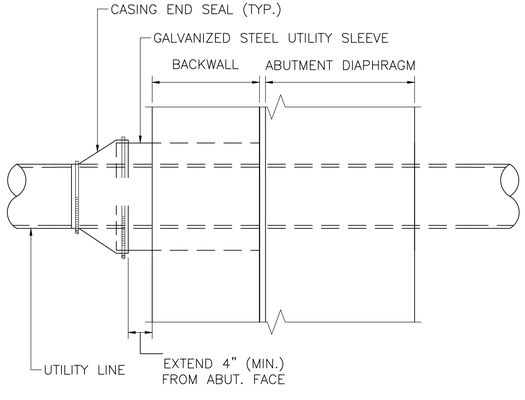
SCALE: ½" = 1'-0"





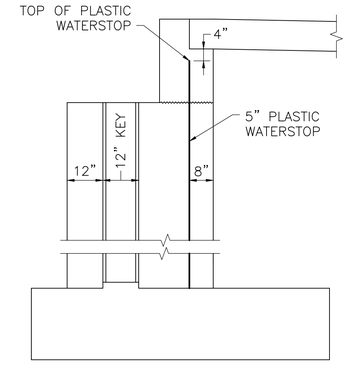
BACKWALL ELEVATION

SCALE: ½" = 1'-0"



UTILITY DETAIL AT ABUTMENT

SCALE: 1" = 1'-0"



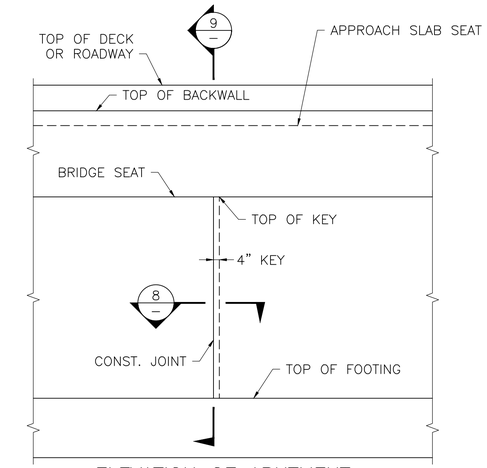
NOTE: REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.

SECTION 9 / – SCALE: ½" = 1'-0"

WAREHAM
US 6 WB & ST 28 NB

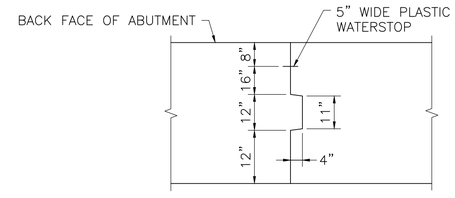
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	71	125
	PROJECT FILE NO. 606352		

ABUTMENT SECTIONS & DETAILS NO. 3



ELEVATION OF ABUTMENT

SCALE: ½" = 1'-0"



SECTION 8 / – SCALE: ½" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

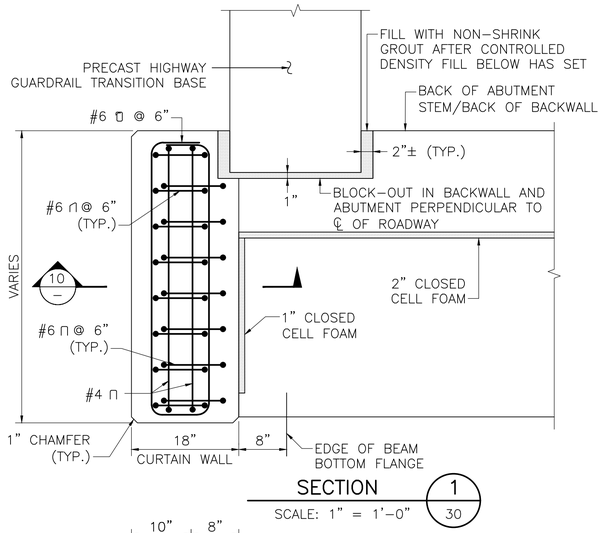
USE ONLY PRINTS OF LATEST DATE

ABUTMENT SECTIONS & DETAILS NO. 4.DWG Plotted on 31-Jul-2026 12:54 PM
8-August-2026 Final Structural Submittal (SF)

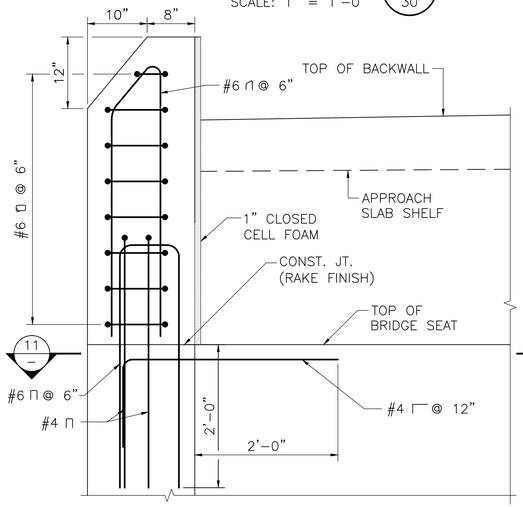
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	72	125
PROJECT FILE NO. 606352			

ABUTMENT SECTIONS & DETAILS NO. 4

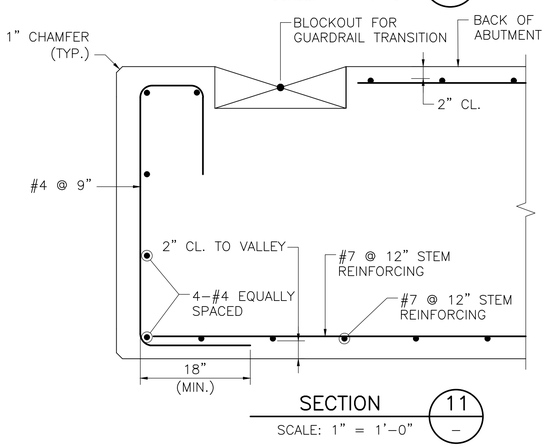


SECTION 1 / 30
SCALE: 1" = 1'-0"

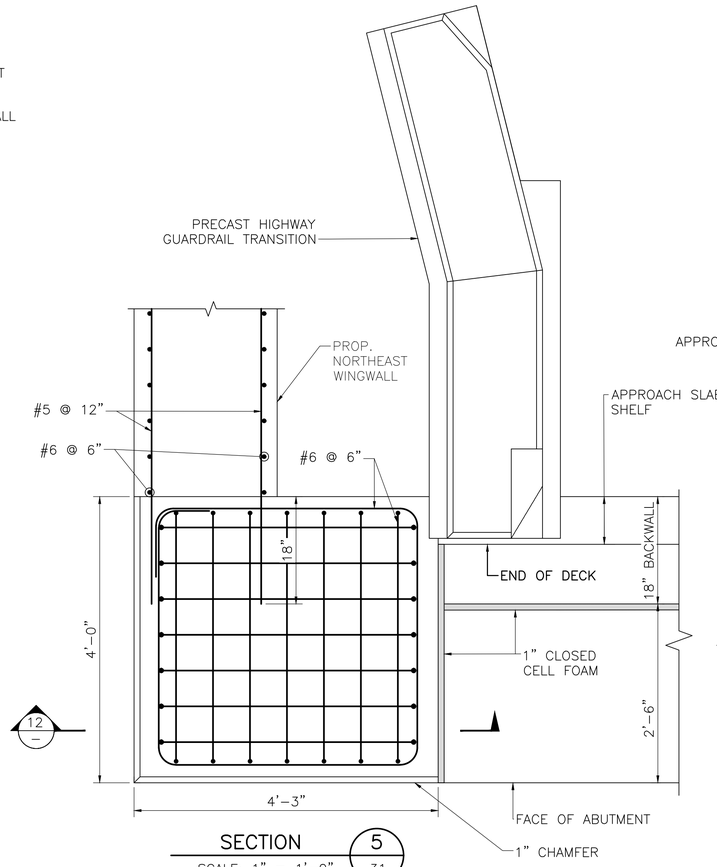


NOTES:
1. ABUTMENT REINFORCEMENT BELOW CONSTRUCTION JOINT HAS BEEN OMITTED FOR CLARITY.

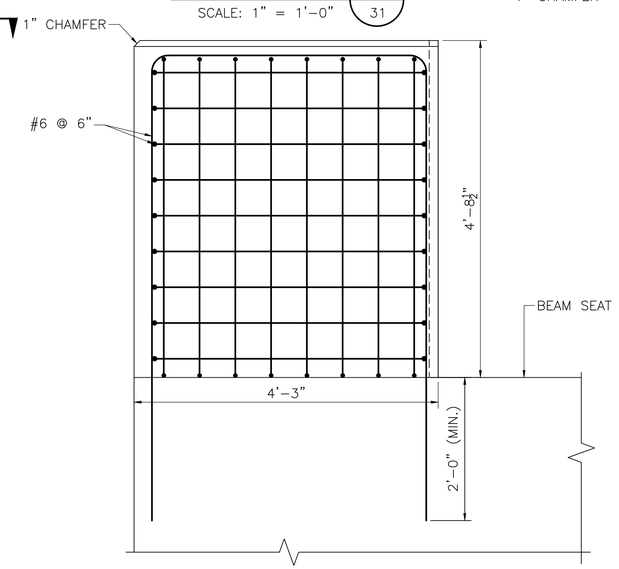
SECTION 10 / –
SCALE: 1" = 1'-0"



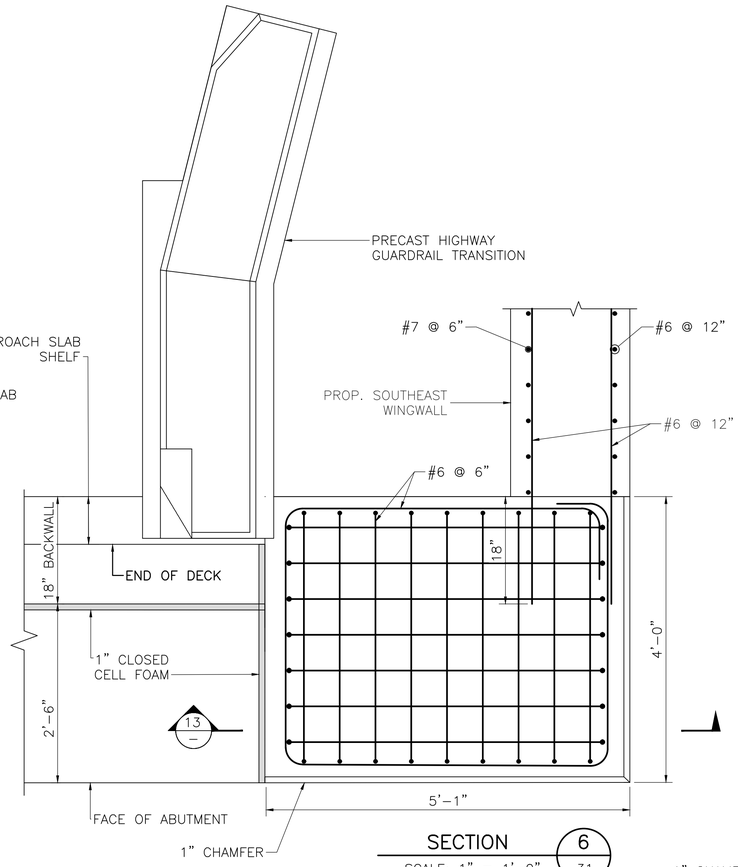
SECTION 11 / –
SCALE: 1" = 1'-0"



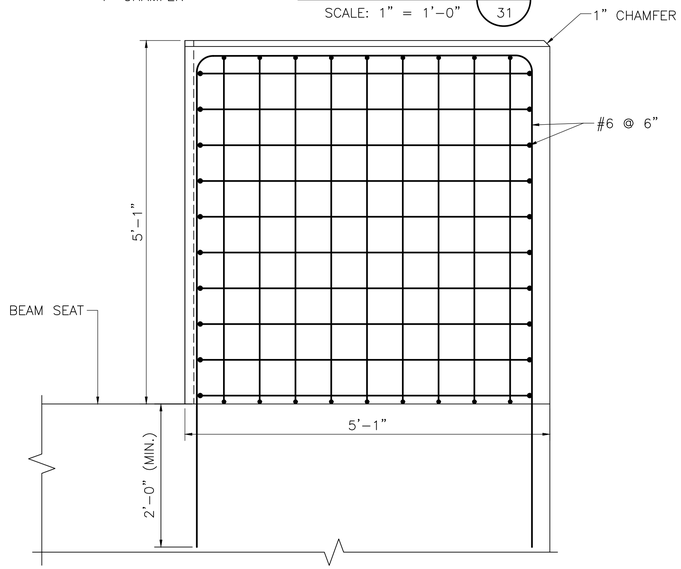
SECTION 5 / 31
SCALE: 1" = 1'-0"



SECTION 12 / –
SCALE: 1" = 1'-0"



SECTION 6 / 31
SCALE: 1" = 1'-0"



SECTION 13 / –
SCALE: 1" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

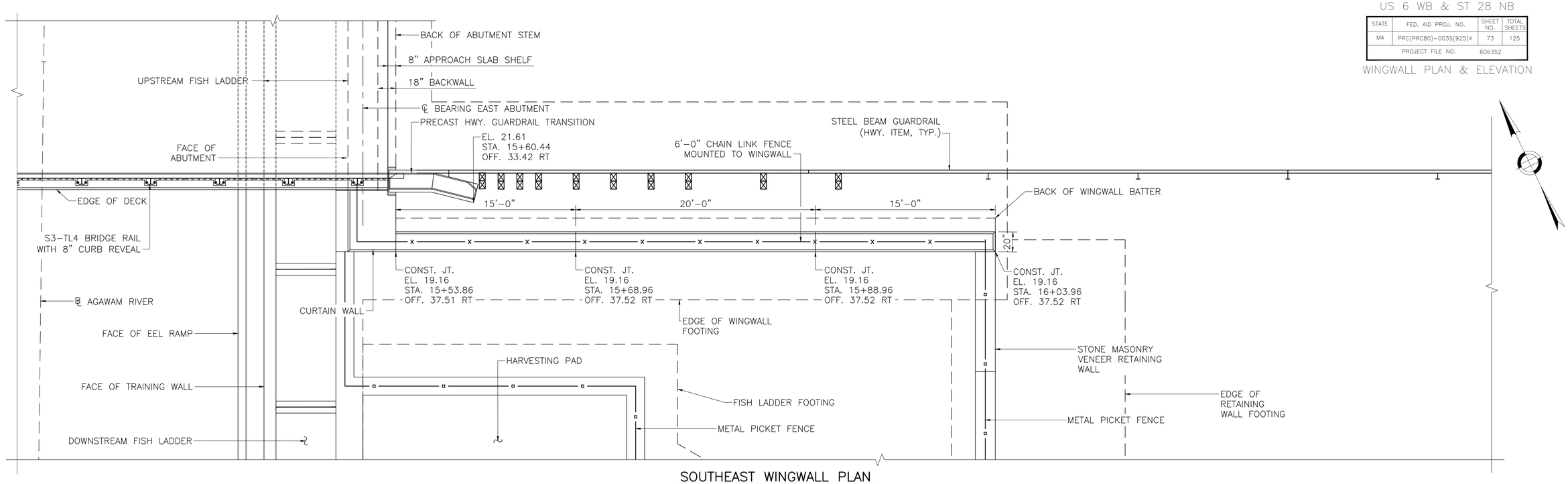
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
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ABUTMENT SECTIONS & DETAILS NO. 4.DWG Plotted on 31-Jul-2026 12:54 PM
Final Structural Submittal (SF) 8-August-2026

WAREHAM
US 6 WB & ST 28 NB

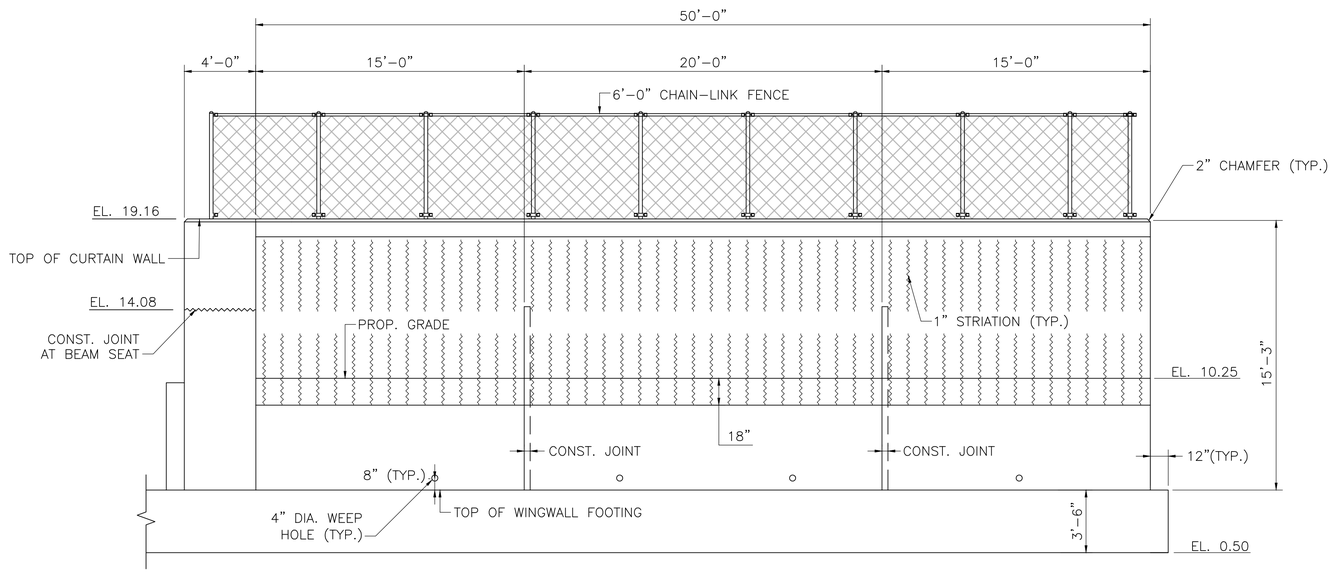
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	73	125
	PROJECT FILE NO. 606352		

WINGWALL PLAN & ELEVATION



SOUTHEAST WINGWALL PLAN

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



SOUTHEAST WINGWALL ELEVATION

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

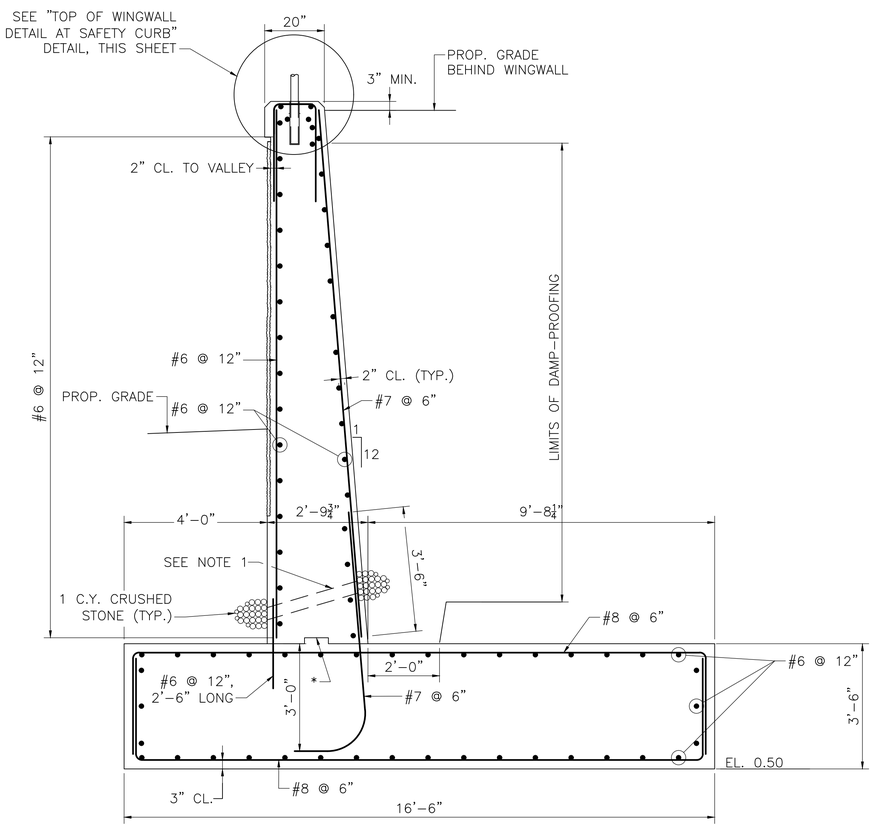
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
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AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

WINGWALL PLAN & ELEVATION.DWG Plotted on 31-Jul-2026 12:54 PM
8-August-2026 Final Structural Submittal (SF)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	74	125
	PROJECT FILE NO. 606352		

WINGWALL SECTIONS & DETAILS



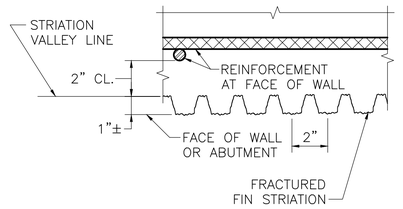
* CONSTRUCTION JOINT WITH 8"x2" KEY

TYPICAL SOUTHEAST WINGWALL SECTION

SCALE: ½" = 1'-0"

NOTES:

1. 4" ø WEEP HOLES 10'-0" O.C. PROVIDE 1 CUBIC YARD OF CRUSHED STONE AT EACH END OF WEEP HOLE.
2. THE FACTORED BEARING PRESSURE = 3.51 KSF AS PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS STRENGTH I LOAD COMBINATION.
3. FACTORED BEARING RESISTANCE = 4.00 KSF. FACTORED BEARING RESISTANCE IS THE PRODUCT OF THE NOMINAL BEARING RESISTANCE AND A RESISTANCE FACTOR OF 0.45.

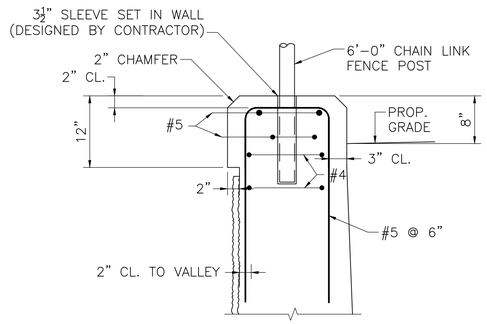


NOTES:

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.
2. THE HORIZONTAL JOINT MAY BE OMITTED IF THE CONTRACTOR CAN DEMONSTRATE THAT THE FORM LINER PANELS CAN BE INSTALLED END TO END WITHOUT CREATING A VISIBLE SEAM IN THE FINAL CAST CONCRETE.

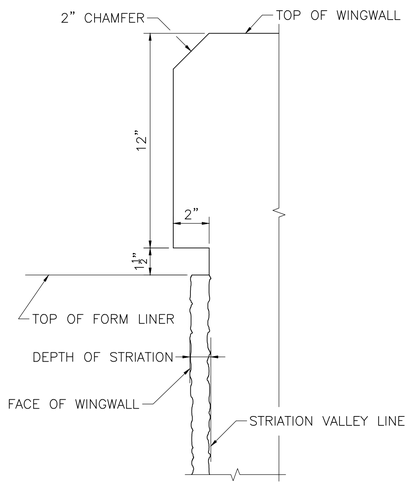
TYPICAL STRIATION DETAIL

SCALE: 3" = 1'-0"



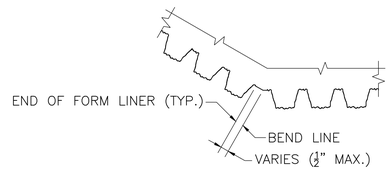
TOP OF WINGWALL DETAIL AT SAFETY CURB

SCALE: 1" = 1'-0"



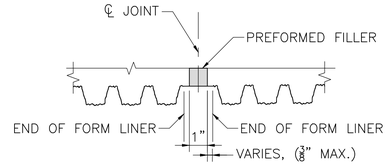
DETAIL AT TOP OF WINGWALL

SCALE: 3" = 1'-0"



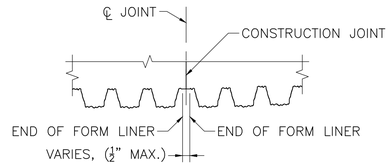
DETAIL AT WALL CORNER

SCALE: 3" = 1'-0"



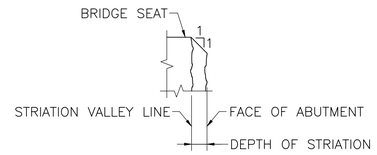
EXPANSION JOINT

SCALE: 3" = 1'-0"



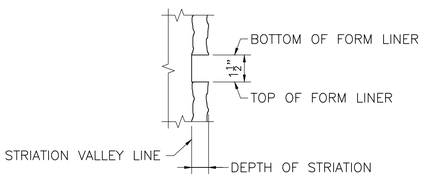
CONSTRUCTION JOINT

SCALE: 3" = 1'-0"



DETAIL AT BRIDGE SEAT

SCALE: 3" = 1'-0"



HORIZONTAL PANEL JOINT

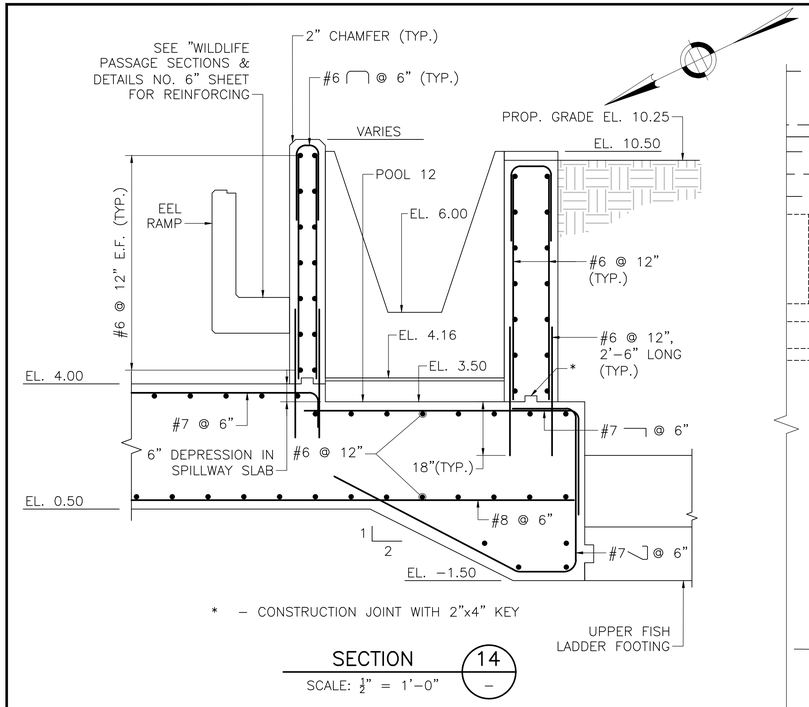
SCALE: 3" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

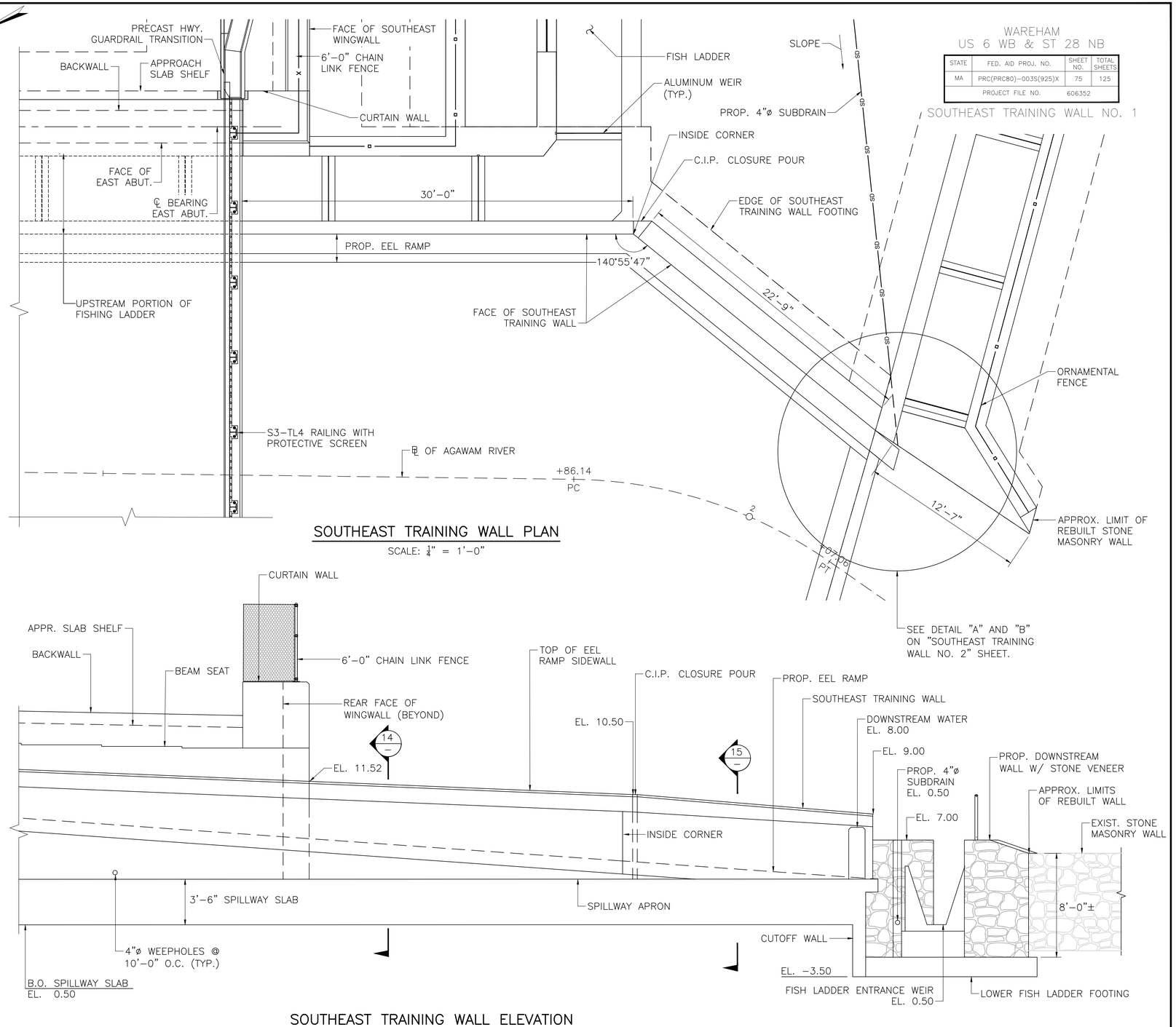
USE ONLY PRINTS OF LATEST DATE

JOINT DETAILS.DWG Plotted on 31-Jul-2026 12:54 PM
8-August-2026 Final Structural Submittal (SF)



SECTION 14 —

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



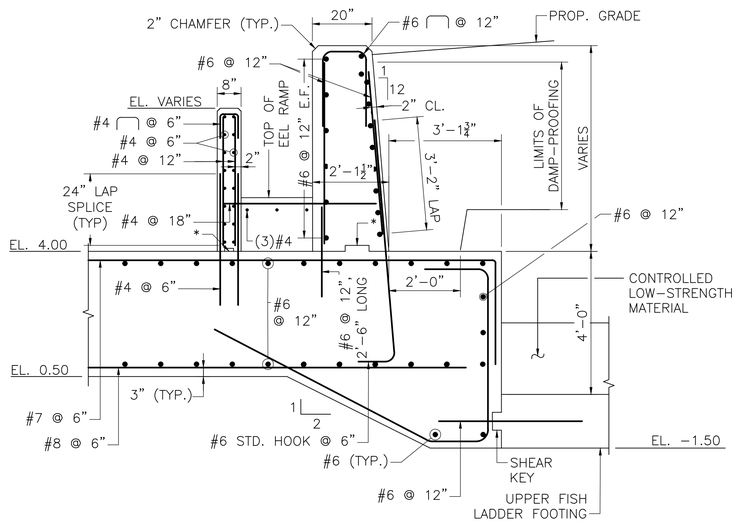
SOUTHEAST TRAINING WALL PLAN

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

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	75	125
PROJECT FILE NO.	606352		

SOUTHEAST TRAINING WALL NO. 1



SECTION 15 —

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

SOUTHEAST TRAINING WALL ELEVATION

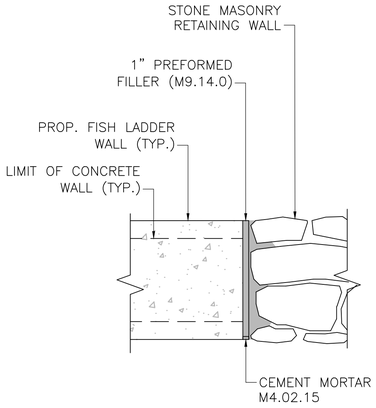
SCALE: 1/4" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

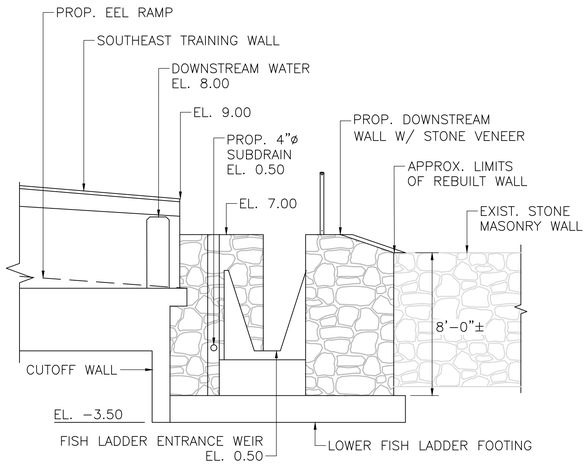
USE ONLY PRINTS OF LATEST DATE

606352_BR26(W060020).DWG Plotted on 31-Jul-2026 12:55 PM
8-August-2026 Final Structural Submittal (SF)



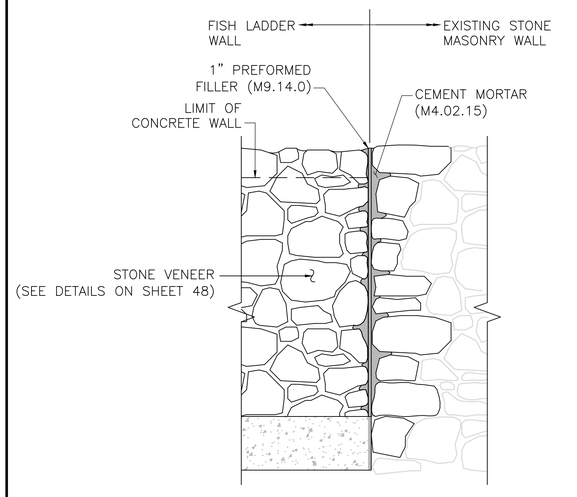
FISH LADDER WALL TO STONE MASONRY JOINT PLAN

SCALE: 1" = 1'–0"



DOWNSTREAM WALL ELEVATION (EAST)

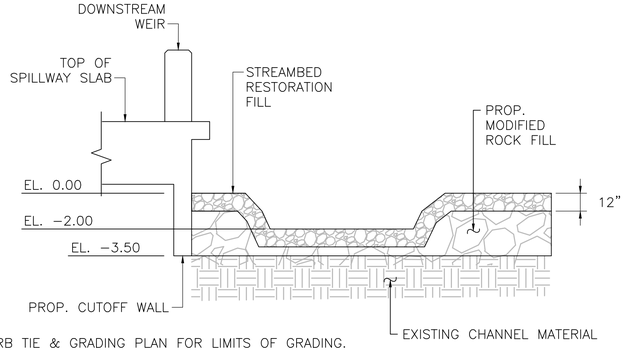
SCALE: ¼" = 1'–0"



FISH LADDER WALL TO STONE MASONRY JOINT ELEVATION

SCALE: ½" = 1'–0"

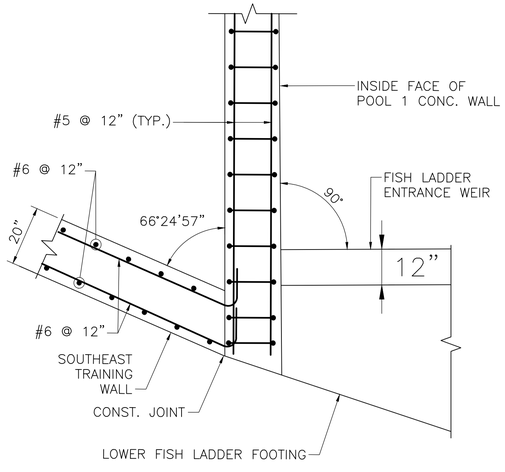
NOTE: THE CONTRACTOR SHALL DETERMINE THE LIMITS TO WHICH THE EXISTING STONE MASONRY WALLS SHALL BE REMOVED TO FACILITATE CONSTRUCTION OF PROPOSED WALLS AND REBUILD THE EXISTING WALLS UP TO THE PROPOSED WALL. THIS SHALL BE INCIDENTAL TO THE STONE MASONRY ITEMS.



NOTE:
SEE CURB TIE & GRADING PLAN FOR LIMITS OF GRADING.

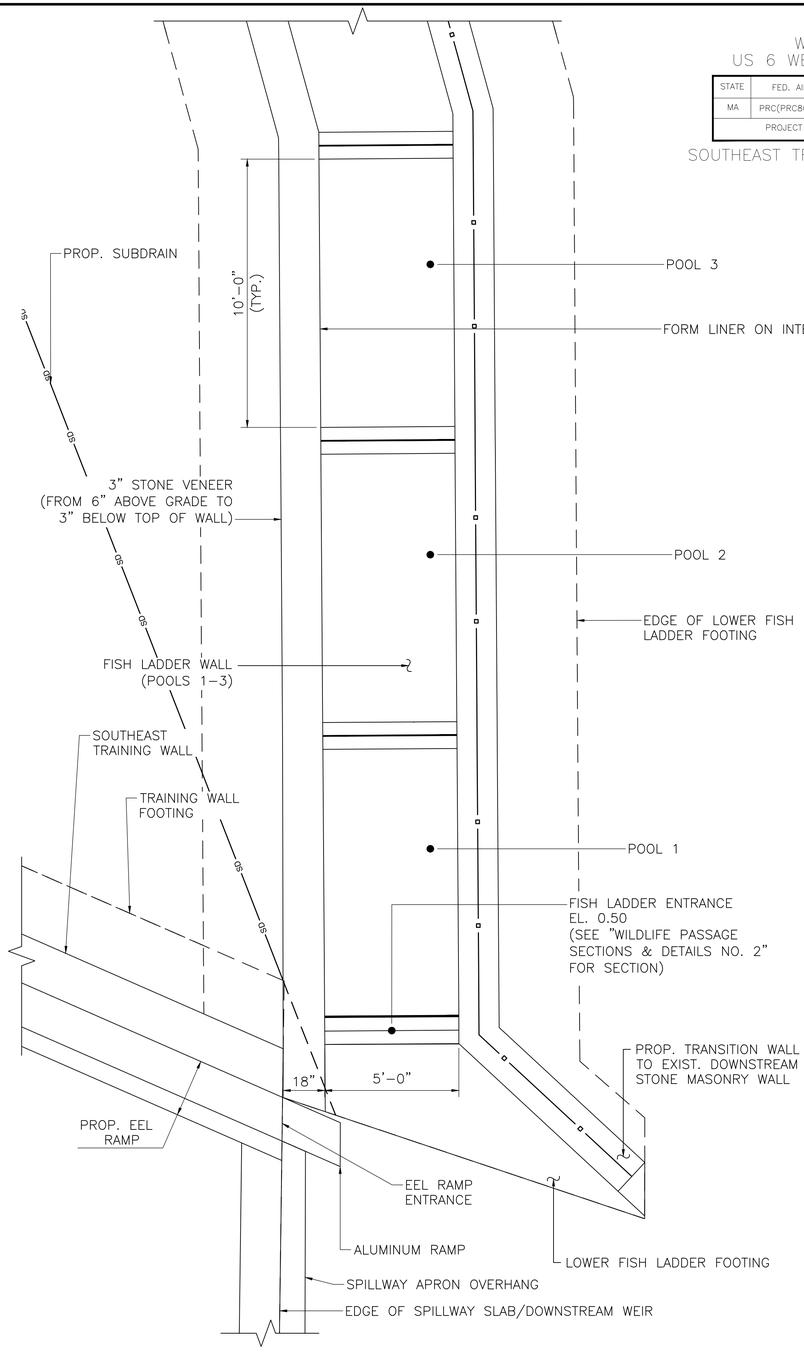
DOWNSTREAM CHANNEL RESTORATION SECTION

SCALE: ¼" = 1'–0"



DETAIL B – TRAINING WALL AND FISH LADDER INTERACTION

SCALE: ½" = 1'–0"



DETAIL A – FISH LADDER ENTRANCE PLAN

SCALE: ⅜" = 1'–0"

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)–003S(925)X	76	125
PROJECT FILE NO. 606352			

SOUTHEAST TRAINING WALL NO. 2

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

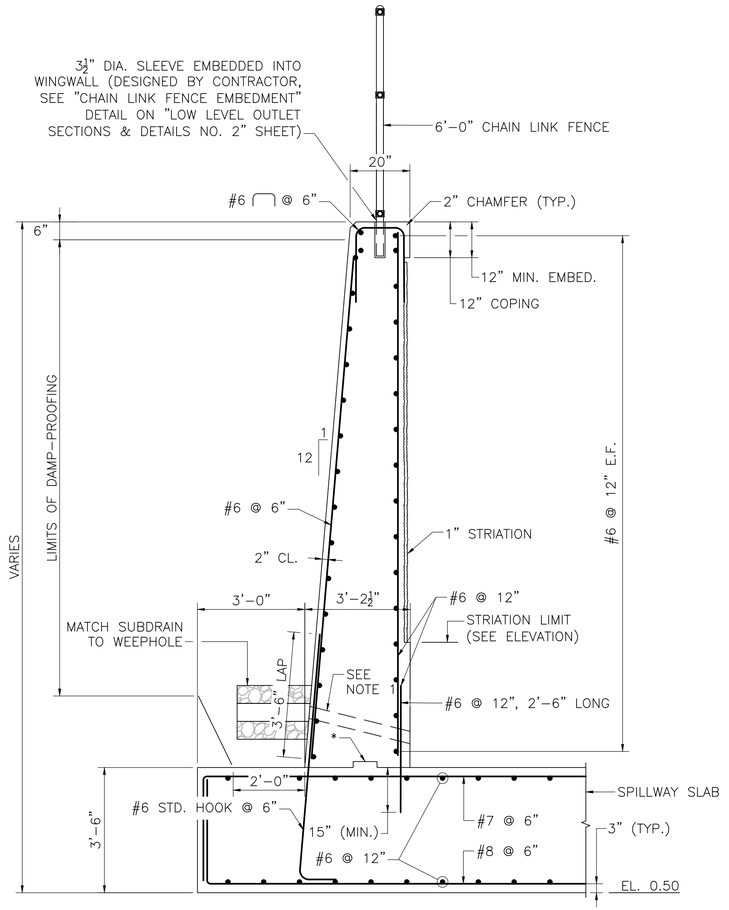
USE ONLY PRINTS OF LATEST DATE

606352_BR26(W060020).DWG Plotted on 31-Jul-2026 12:55 PM

8-August-2026 Final Structural Submittal (SF)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)–003S(925)X	77	125
	PROJECT FILE NO. 606352		

SOUTHWEST TRAINING WALL



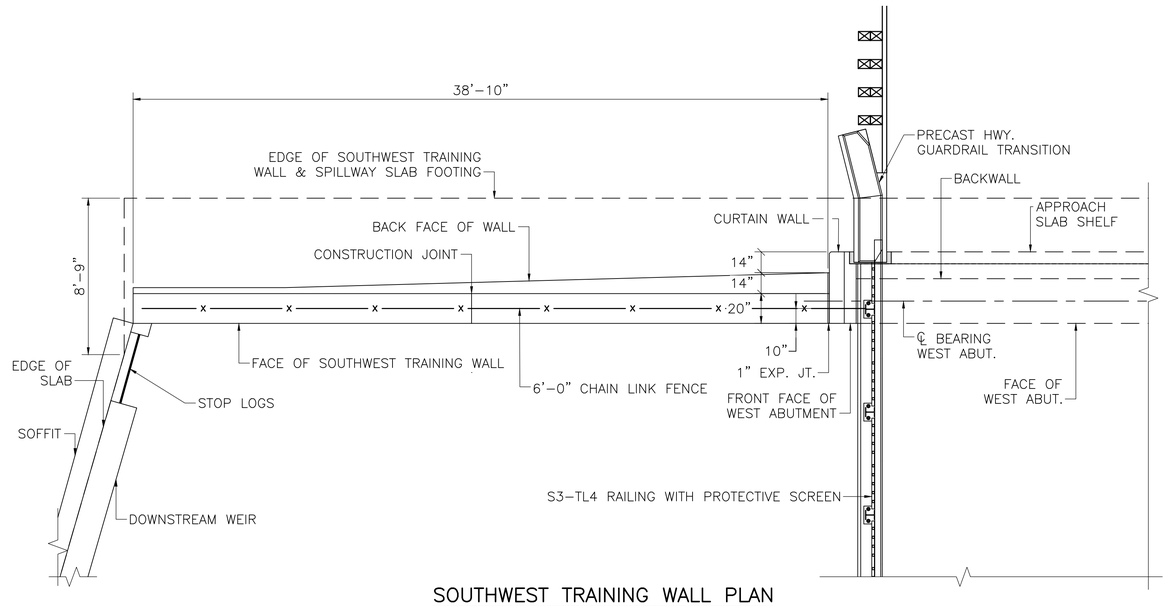
* CONSTRUCTION JOINT WITH 8"x2" KEY.

NOTES:

1. 4" ø WEEP HOLES 10'–0" O.C. PROVIDE 1 CUBIC YARD OF CRUSHED STONE AT EXTERIOR SIDE OF WEEP HOLE.

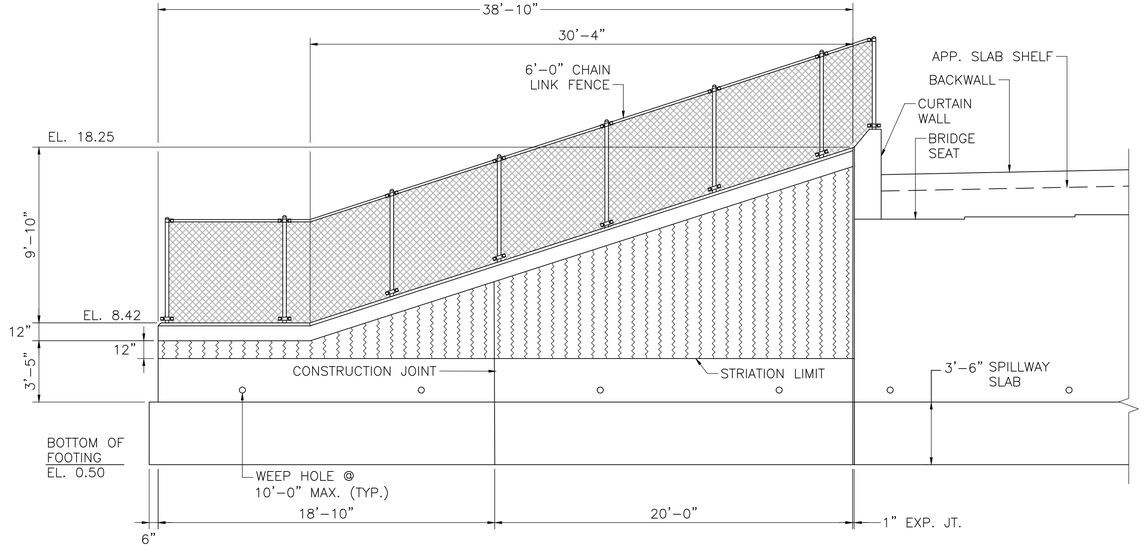
SOUTHWEST TRAINING WALL SECTION

SCALE: ½" = 1'–0"



SOUTHWEST TRAINING WALL PLAN

SCALE: ¼" = 1'–0"



SOUTHWEST TRAINING WALL ELEVATION

SCALE: ¼" = 1'–0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

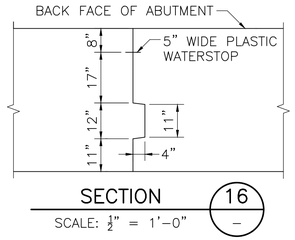
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
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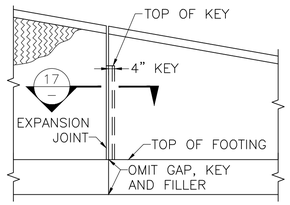
SOUTHWEST TRAINING WALL.DWG Plotted on 31-Jul-2026 12:55 PM
8-August-2026
Final Structural Submittal (SF)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	78	125
	PROJECT FILE NO. 606352		

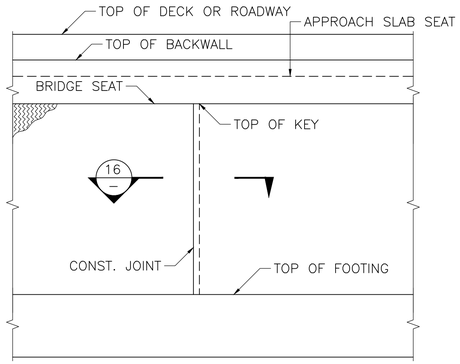
JOINT DETAILS



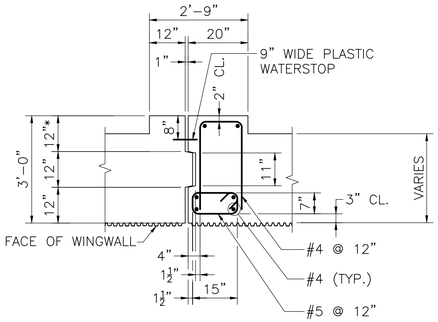
SECTION 16 –
SCALE: ½" = 1'–0"



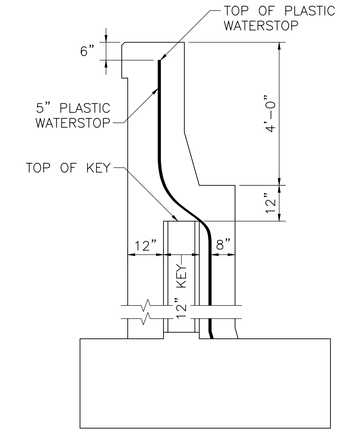
WINGWALL ELEVATION
SCALE: ¼" = 1'–0"



ELEVATION OF ABUTMENT
SCALE: ¼" = 1'–0"

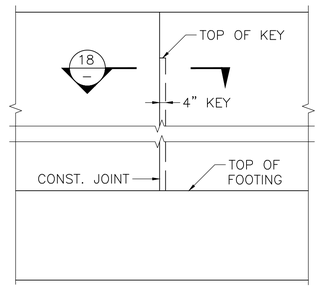


SECTION 17 –
SCALE: ½" = 1'–0"

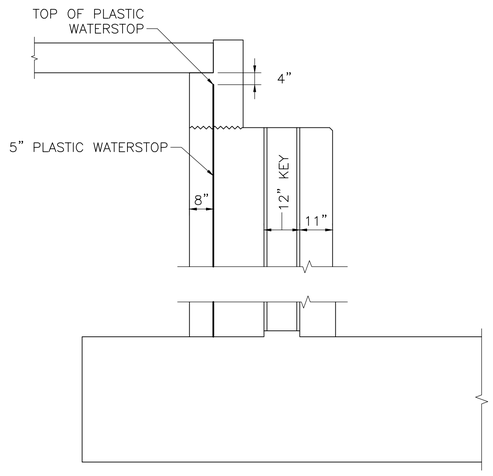


NOTE:
REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.

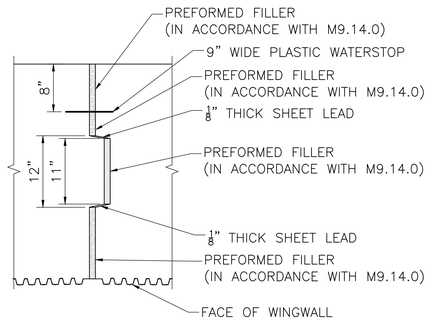
VERTICAL SECTION THROUGH CONSTRUCTION JOINT
SCALE: ½" = 1'–0"



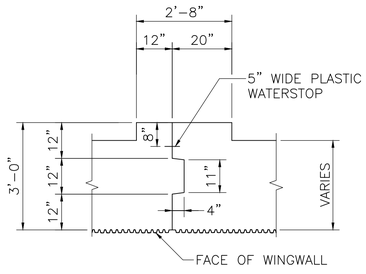
WINGWALL ELEVATION
SCALE: ½" = 1'–0"



VERTICAL SECTION THRU CONSTRUCTION JOINT
SCALE: ½" = 1'–0"



EXPANSION JOINT DETAILS
SCALE: ¼" = 1'–0"



SECTION 18 –
SCALE: ½" = 1'–0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

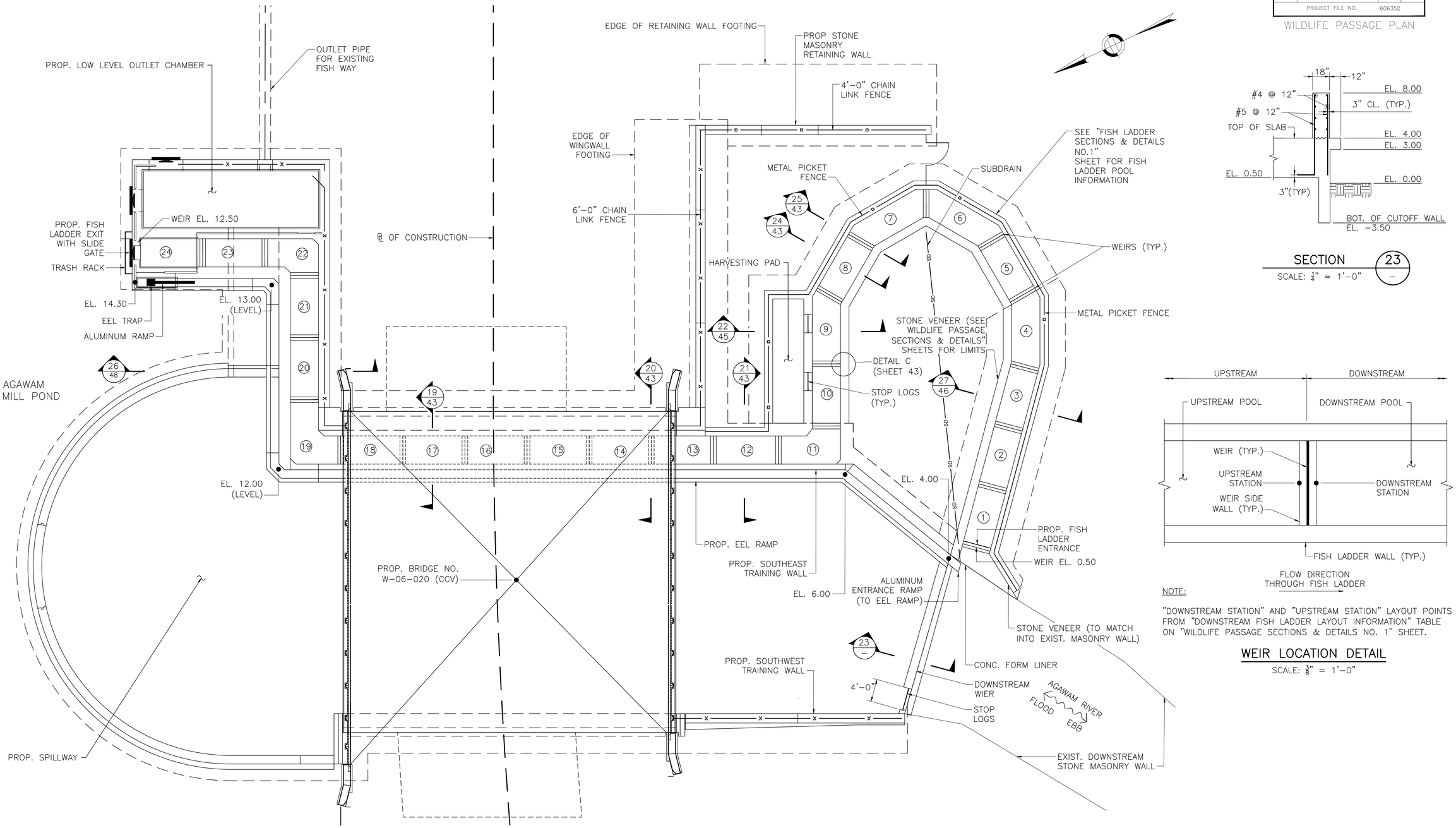
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AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
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JOINT DETAILS.DWG Plotted on 31-Jul-2026 12:55 PM
Final Structural Submittal (SF) 8-August-2026

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	79	125
	PROJECT FILE NO. 606352		

WILDLIFE PASSAGE PLAN



FISH LADDER PLAN
SCALE: 1/8" = 1'-0"

SECTION 23 –
SCALE: 1/4" = 1'-0"

NOTE:

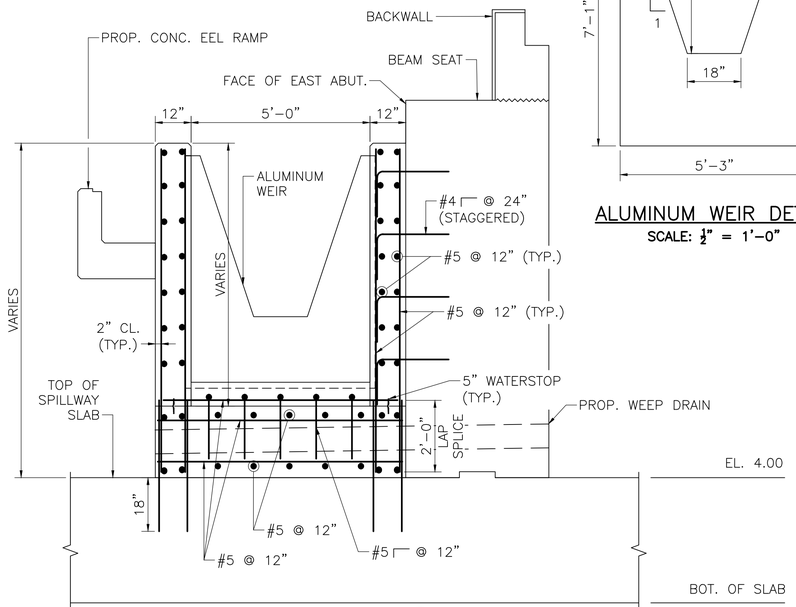
"DOWNSTREAM STATION" AND "UPSTREAM STATION" LAYOUT POINTS FROM "DOWNSTREAM FISH LADDER LAYOUT INFORMATION" TABLE ON "WILDLIFE PASSAGE SECTIONS & DETAILS NO. 1" SHEET.

WEIR LOCATION DETAIL
SCALE: 3/8" = 1'-0"

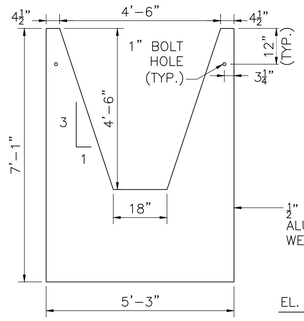
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
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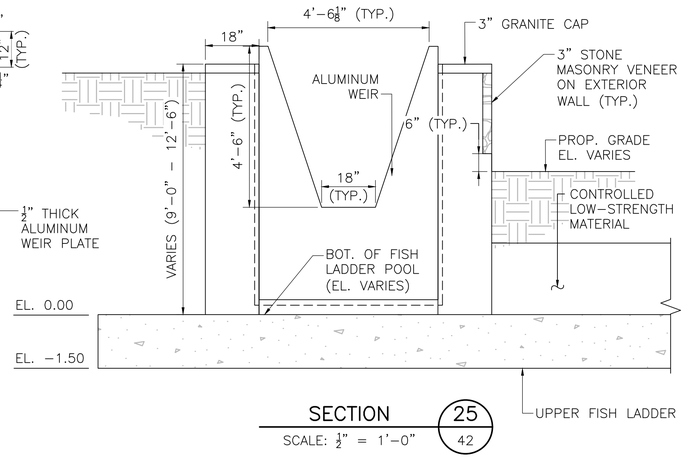
606352_BR28(W060020).DWG Plotted on 31-Jul-2026 12:55 PM
8-August-2026 Final Structural Submittal (SF)



SECTION 20
SCALE: ½" = 1'-0" 42



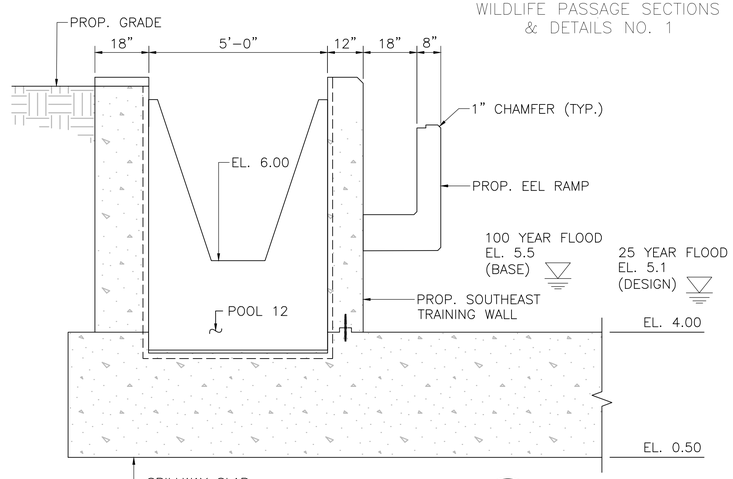
ALUMINUM WEIR DETAIL
SCALE: ½" = 1'-0"



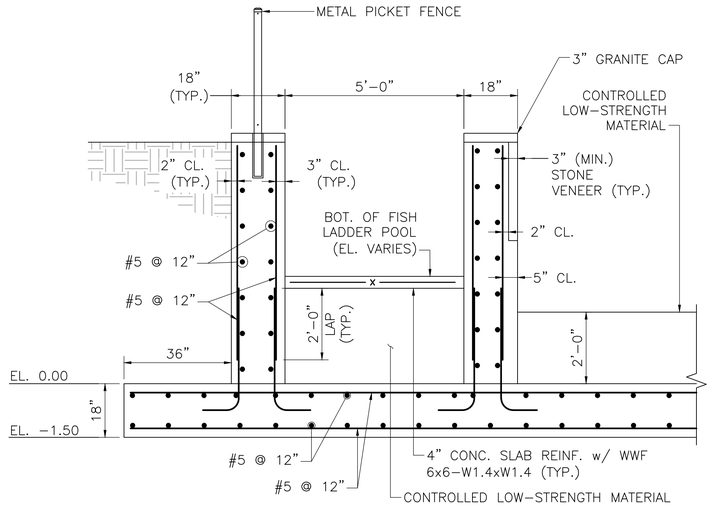
SECTION 25
SCALE: ½" = 1'-0" 42

NOTE:

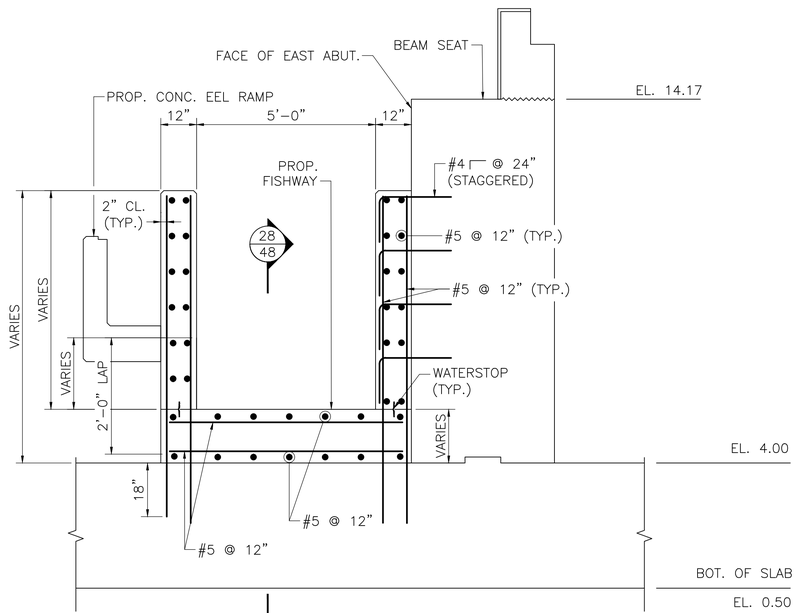
FORM LINER SHALL BE A NATURAL LOOKING STONE MASONRY PATTERN APPROVED BY MASSDOT.



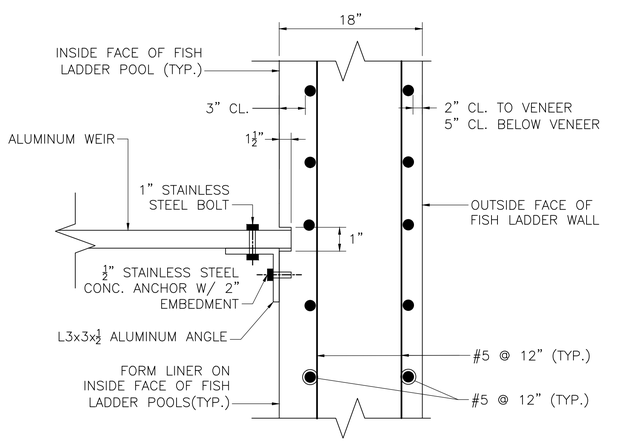
SECTION 21
SCALE: ½" = 1'-0" 42



SECTION 24
SCALE: ½" = 1'-0" 42



SECTION 19
SCALE: ½" = 1'-0" 42



DETAIL C: TYPICAL WEIR REINFORCEMENT PLAN (POOLS 1-12)
NOT TO SCALE

DOWNSTREAM FISH LADDER LAYOUT INFORMATION

POOL NUMBER	B.O. POOL ELEVATION	DOWNSTREAM STATION	OFFSET (FT)	UPSTREAM STATION	OFFSET (FT)
1	-2.00	15+26.44	87.00 RT	15+37.69	88.86 RT
2	-1.50	15+38.74	89.14 RT	15+49.31	92.06 RT
3	-1.00	15+50.38	92.33 RT	15+60.60	95.13 RT
4	-0.50	15+61.57	95.40 RT	15+73.46	95.47 RT
5	0.00	15+74.33	95.21 RT	15+82.99	89.34 RT
6	0.50	15+83.85	88.64 RT	15+90.10	77.69 RT
7	1.00	15+90.10	76.69 RT	15+83.85	65.73 RT
8	1.50	15+82.99	65.03 RT	15+74.33	59.16 RT
9	2.00	15+73.46	58.90 RT	15+62.21	58.72 RT
HARVESTING PAD EXIT	2.50	15+68.69	54.99 RT	15+68.69	54.97 RT
HARVESTING PAD ENTRANCE	2.50	15+58.59	54.99 RT	15+58.59	54.97 RT
10	2.50	15+61.21	58.72 RT	15+50.88	58.71 RT
11	3.00	15+49.81	58.70 RT	15+45.92	50.92 RT
12	3.50	15+45.93	49.92 RT	15+46.04	39.42 RT
13	4.00	15+46.05	38.42 RT	15+46.17	28.42 RT
14	4.50	15+46.18	27.42 RT	15+46.28	17.42 RT
15	5.00	15+46.29	16.42 RT	15+46.40	6.42 RT
16	5.50	15+46.41	5.42 RT	15+46.51	4.58 LT
17	6.00	15+46.52	5.58 LT	15+46.62	15.58 LT
18	6.50	15+46.63	16.58 LT	15+46.72	26.58 LT
19	7.00	15+46.73	27.58 LT	15+54.93	33.46 LT
20	7.50	15+55.90	33.46 LT	15+66.88	33.46 LT
21	8.00	15+66.88	33.46 LT	15+76.88	33.46 LT
22	8.50	15+77.88	33.46 LT	15+81.38	40.96 LT
23	9.00	15+81.38	41.96 LT	15+81.38	51.96 LT
24	9.50	15+81.38	52.96 LT	15+81.38	63.96 LT

NOTE:

STATIONS AND OFFSETS WITHIN THE "DOWNSTREAM FISH LADDER LAYOUT INFORMATION" TABLE REFERENCE THE ROADWAY BASELINE OF CONSTRUCTION.

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	80	125
PROJECT FILE NO. 606352			

WILDLIFE PASSAGE SECTIONS & DETAILS NO. 1

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

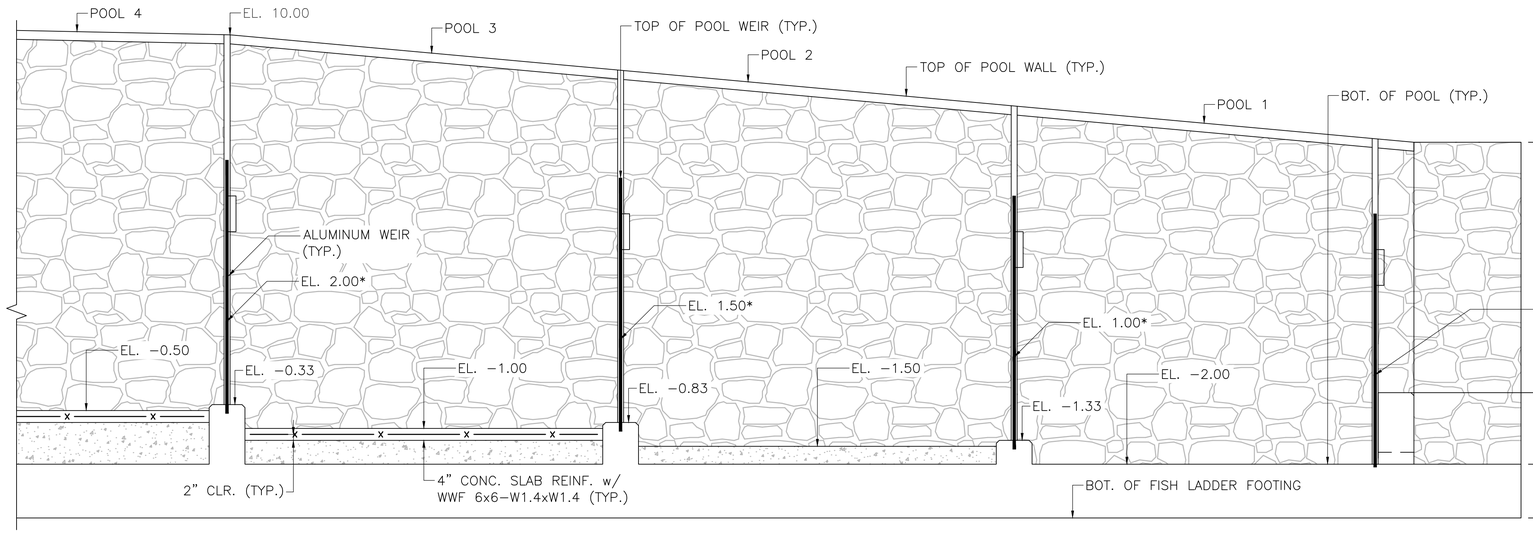
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

606352_BR29-31(W060020).DWG Plotted on 31-Jul-2026 12:56 PM
Final Structural Submittal (SF) 8-August-2026

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	81	125
PROJECT FILE NO. 606352			

WILDLIFE PASSAGE SECTIONS
& DETAILS NO. 2



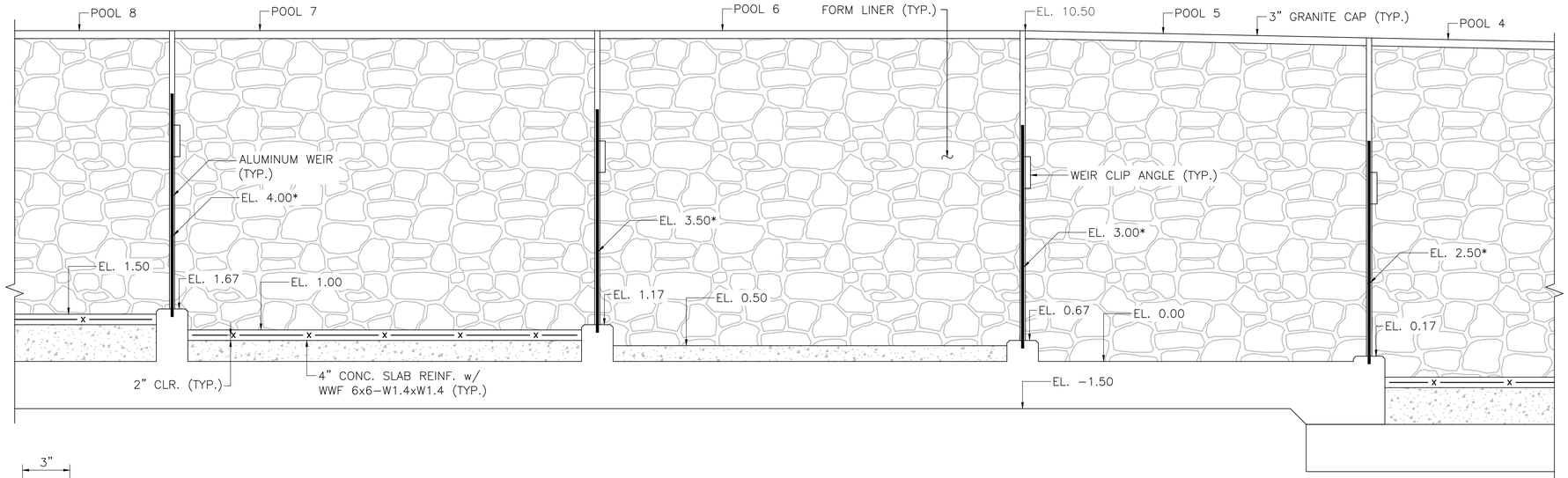
NOTES:

1. ALL POOLS ARE SHOWN LONGITUDINALLY FOR CLARITY.
2. METAL PICKET FENCE AT TOP OF WALLS NOT SHOWN FOR CLARITY.

FISH LADDER POOLS 1−4 LONGITUDINAL SECTION

SCALE: 1/2" = 1'−0"

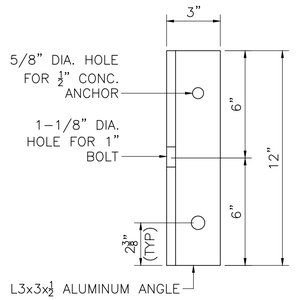
*− LEADER HEAD INDICATES WEIR OPENING INVERT ELEVATION



FISH LADDER POOLS 4−8 LONGITUDINAL SECTION

SCALE: 1/2" = 1'−0"

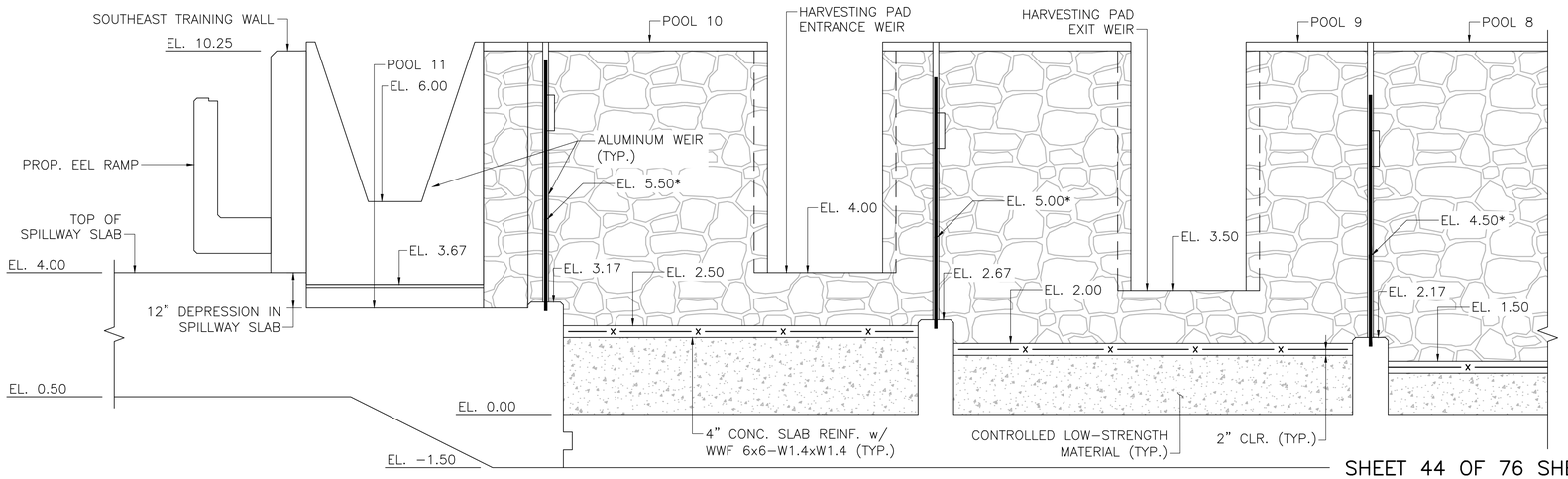
*− LEADER HEAD INDICATES WEIR OPENING INVERT ELEVATION



WEIR CLIP ANGLE DETAIL

SCALE: 3" = 1'−0"

NOTE: BOLTS, CONCRETE ANCHORS AND OTHER CONNECTION HARDWARE SHALL BE STAINLESS STEEL, GRADE 316



FISH LADDER POOLS 8−11 LONGITUDINAL SECTION

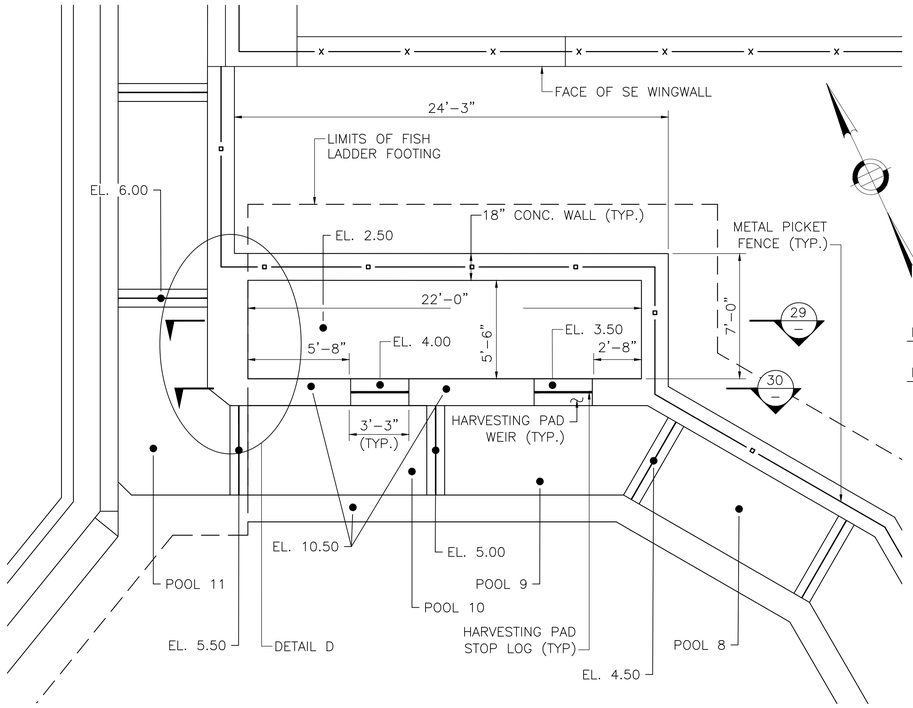
SCALE: 1/2" = 1'−0"

*− LEADER HEAD INDICATES WEIR OPENING INVERT ELEVATION

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

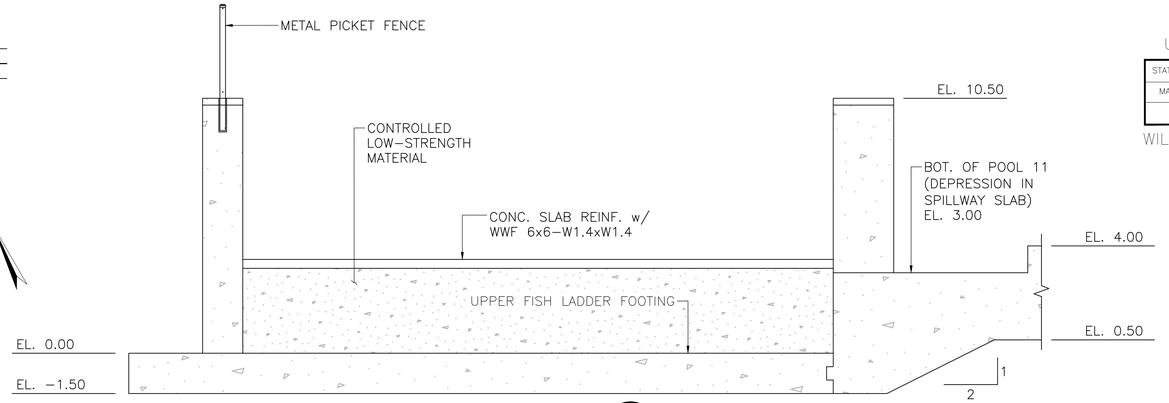
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

606352_BR29-31(W060020).DWG Plotted on 31-Jul-2026 12:56 PM
8-August-2026 Final Structural Submittal (SF)



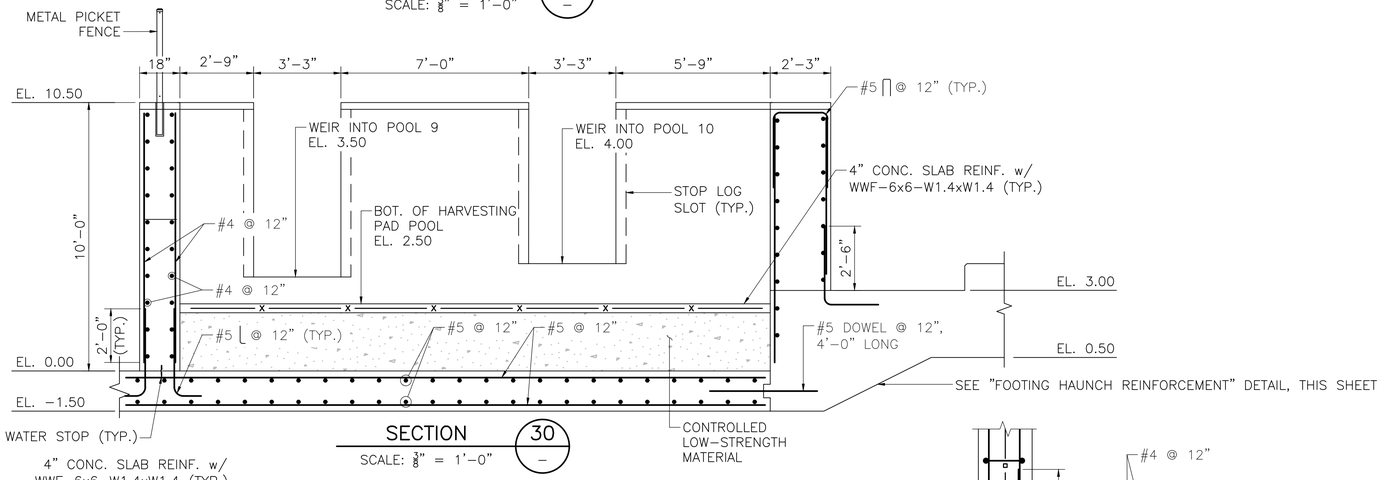
HARVESTING PAD PLAN

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



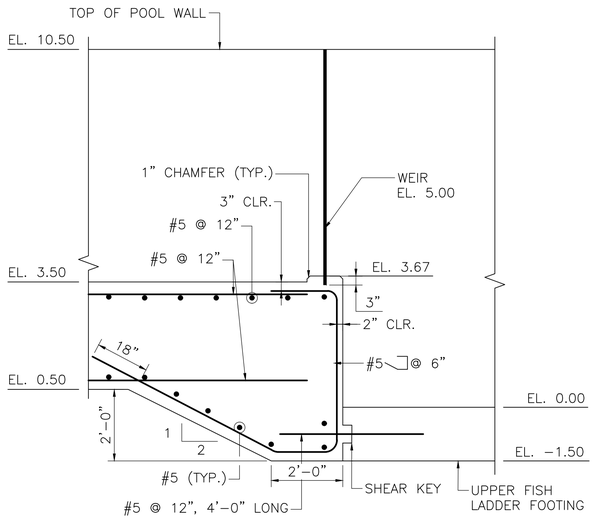
SECTION 29

SCALE: 3/8" = 1'-0"



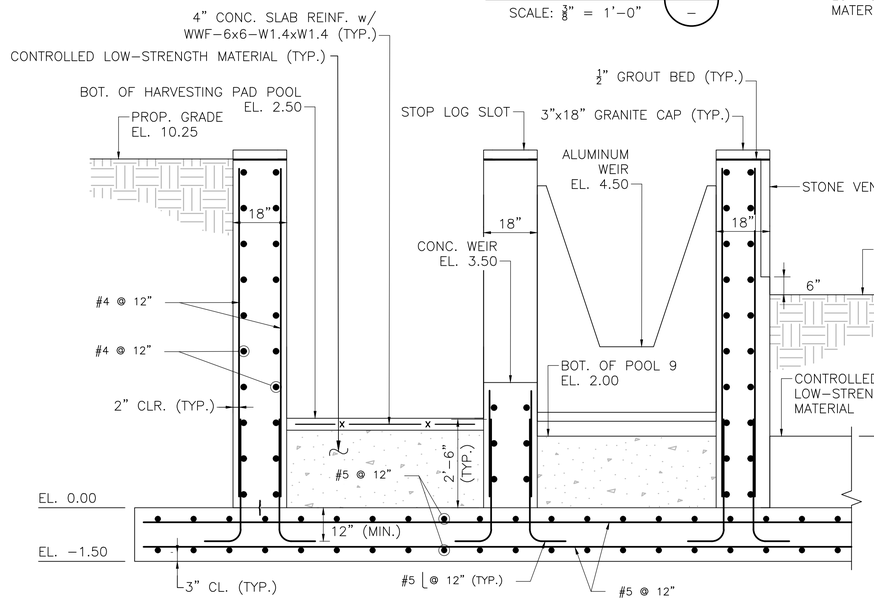
SECTION 30

SCALE: 3/8" = 1'-0"



FOOTING HAUNCH REINFORCEMENT

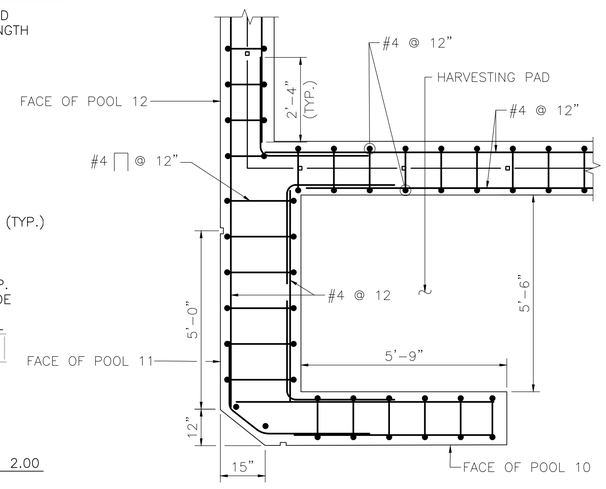
SCALE: 1/2" = 1'-0"



SECTION 22

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

42



DETAIL D: HARVESTING PAD WALL REINFORCEMENT

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

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	82	125
	PROJECT FILE NO. 606352		

WILDLIFE PASSAGE SECTIONS & DETAILS NO. 3

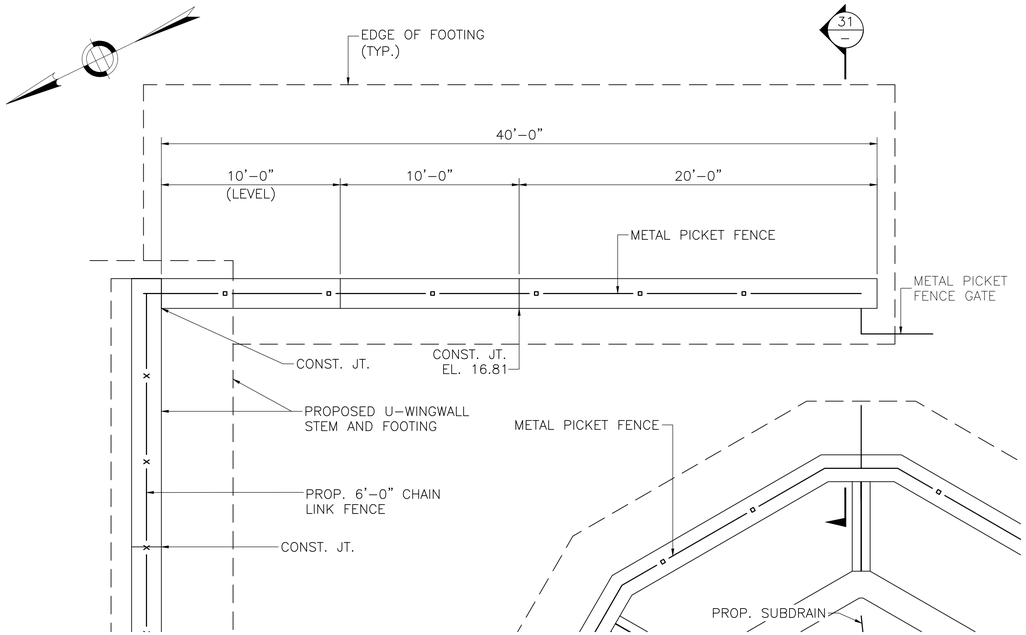
DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

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

606352_BR29-31(W060020).DWG Plotted on 31-Jul-2026 12:56 PM

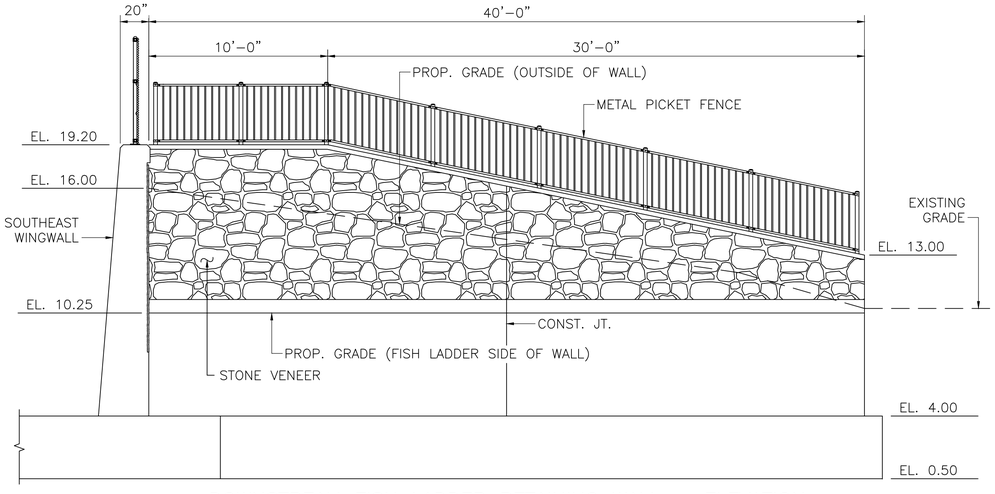
8-August-2026

Final Structural Submittal (SF)



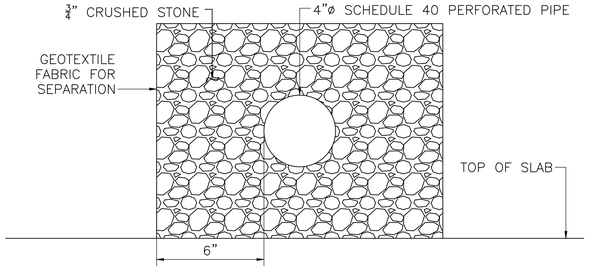
DOWNSTREAM FISH LADDER RETAINING WALL – PLAN

SCALE: ¼" = 1'–0"



DOWNSTREAM FISH LADDER RETAINING WALL – ELEVATION

SCALE: ¼" = 1'–0"

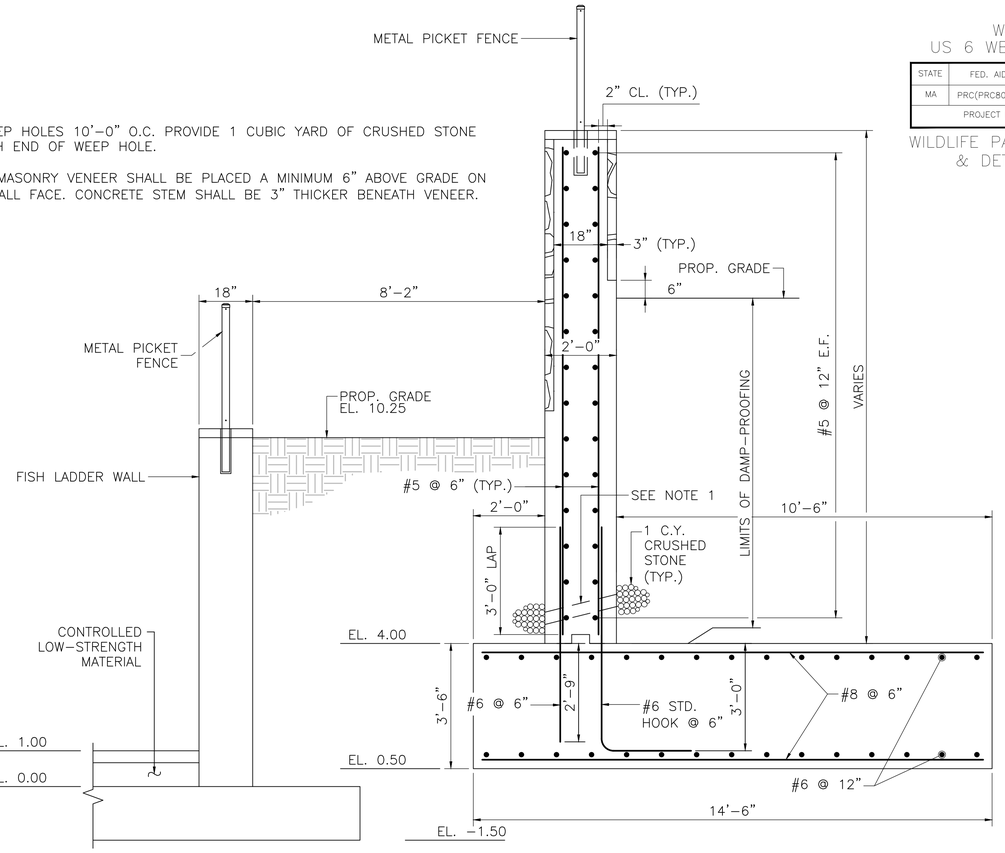


FISH LADDER SUBDRAIN DETAIL

SCALE: 3" = 1'–0"

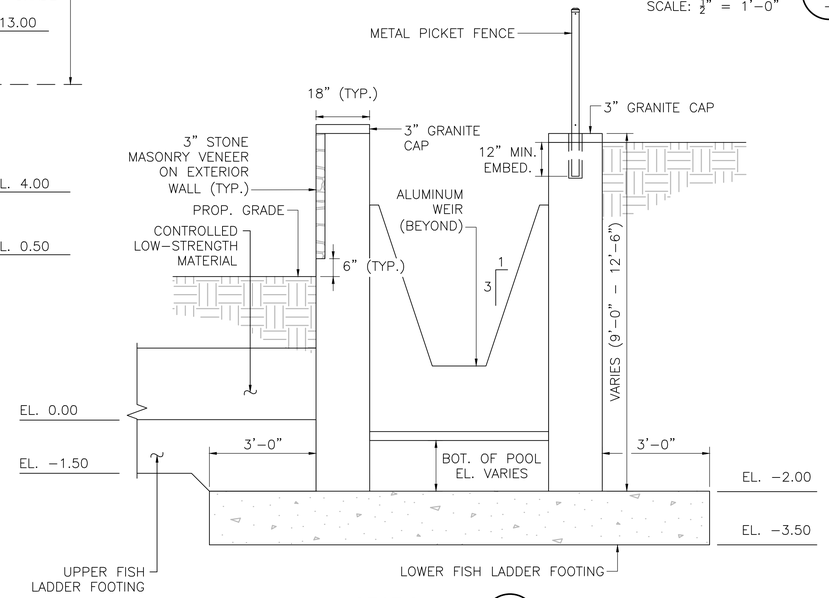
NOTES:

1. 4"ø WEEP HOLES 10'–0" O.C. PROVIDE 1 CUBIC YARD OF CRUSHED STONE AT EACH END OF WEEP HOLE.
2. STONE MASONRY VENEER SHALL BE PLACED A MINIMUM 6" ABOVE GRADE ON EACH WALL FACE. CONCRETE STEM SHALL BE 3" THICKER BENEATH VENEER.



SECTION 31 / –

SCALE: ½" = 1'–0"



SECTION 27 / 42

SCALE: ½" = 1'–0"

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)–003S(925)X	83	125
	PROJECT FILE NO. 606352		

WILDLIFE PASSAGE SECTIONS & DETAILS NO. 4

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

USE ONLY PRINTS OF LATEST DATE

606352_BR29-31(W060020).DWG Plotted on 31-Jul-2026 12:56 PM

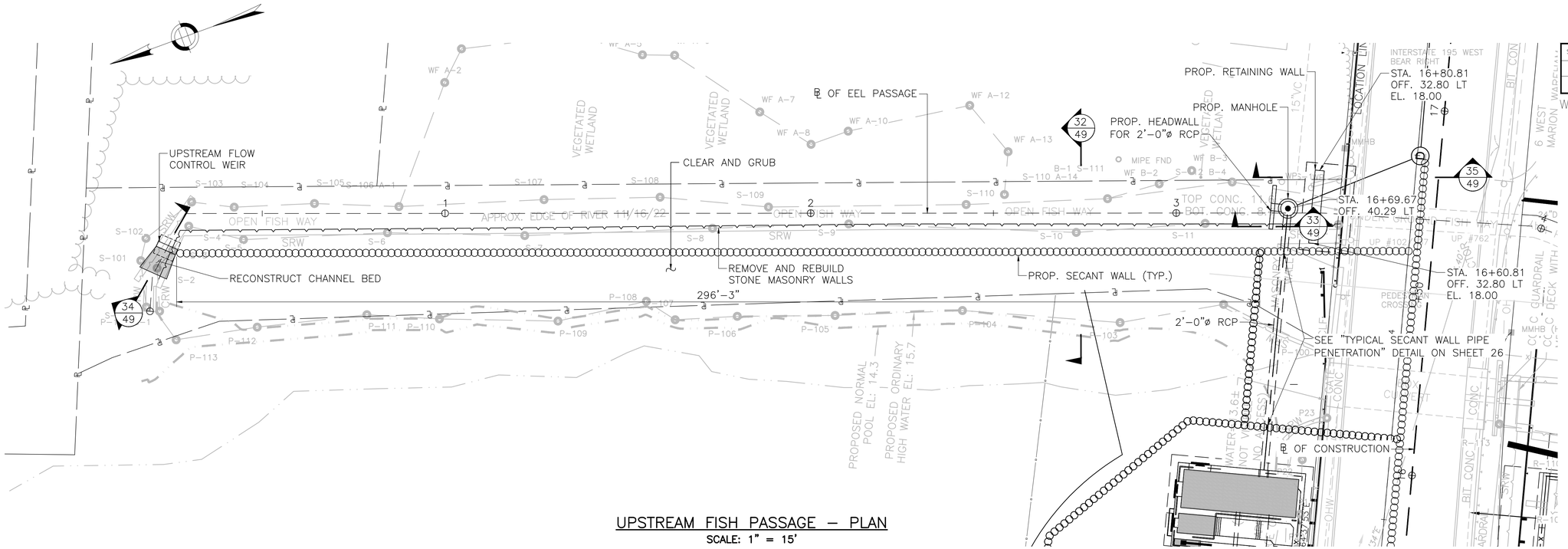
8-August-2026

Final Structural Submittal (SF)

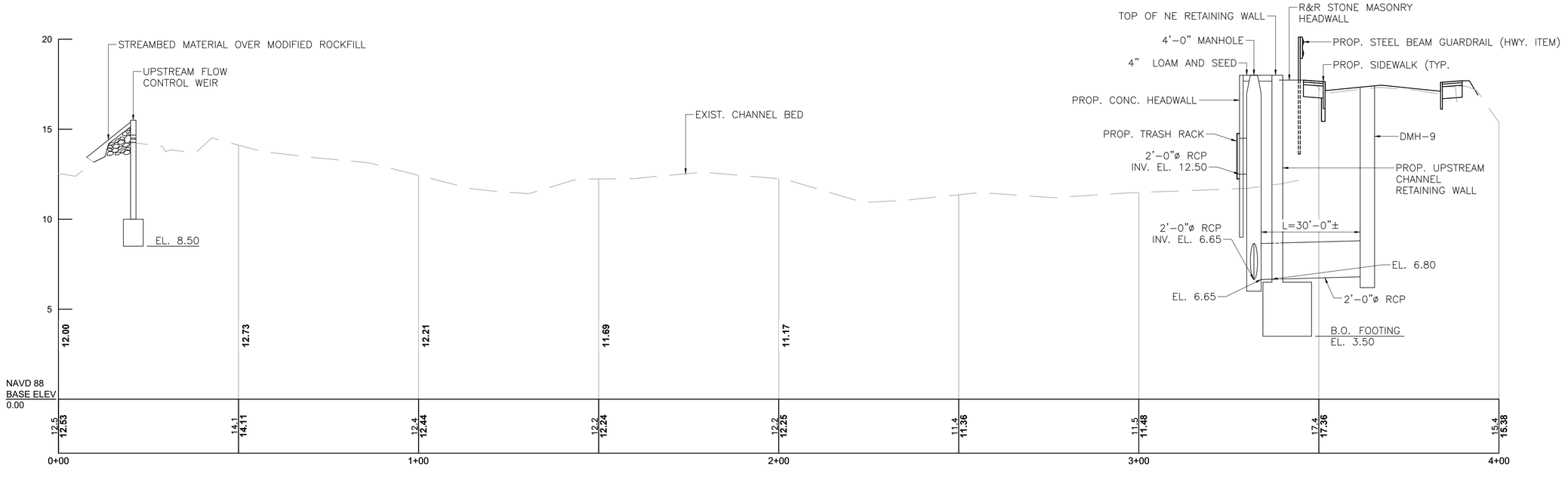
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	84	125
	PROJECT FILE NO. 606352		

WILDLIFE PASSAGE SECTIONS & DETAILS NO. 5



UPSTREAM FISH PASSAGE – PLAN
SCALE: 1" = 15'

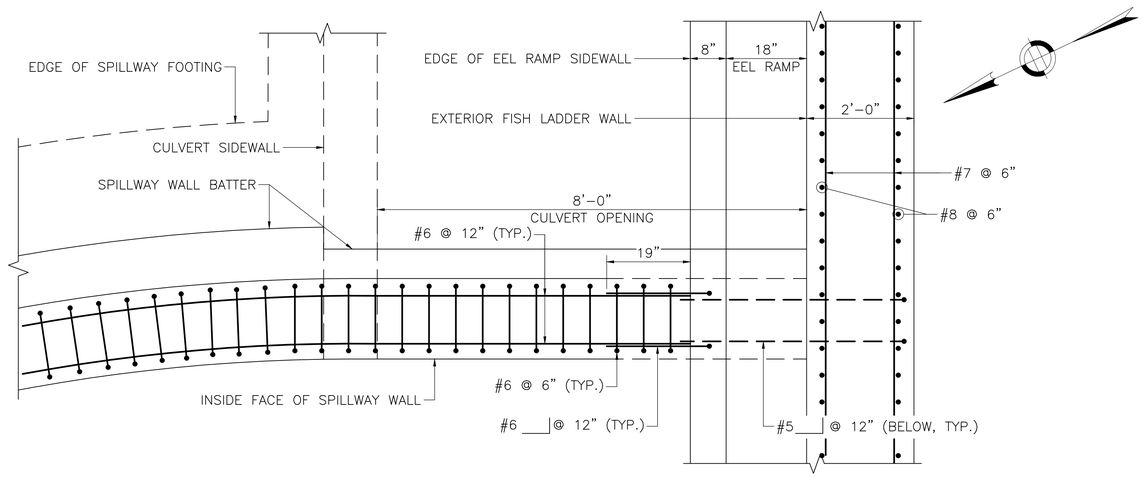


UPSTREAM FISH PASSAGE – PROFILE
HORIZONTAL 1"=15'
VERTICAL 1"=5'

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

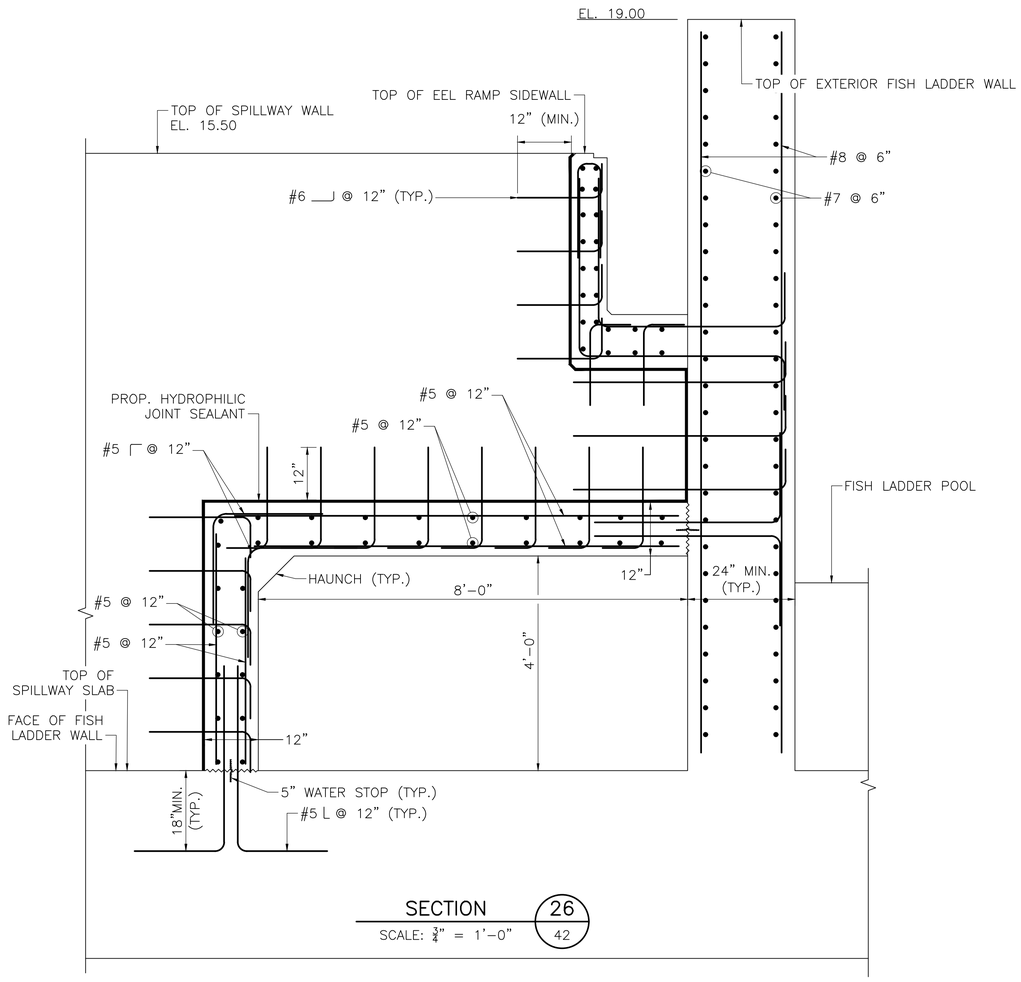
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

606352_BR29-31(W060020).DWG Plotted on 31-Jul-2026 12:57 PM
8-August-2026
Final Structural Submittal (SF)



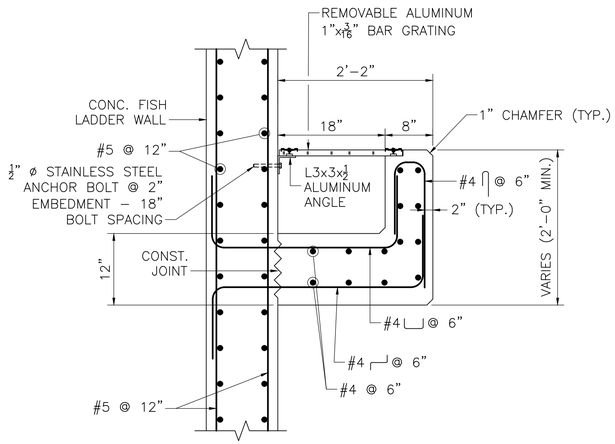
END OF SPILLWAY WALL PLAN – NORTH SIDE

SCALE: $\frac{3}{4}$" = 1'–0"



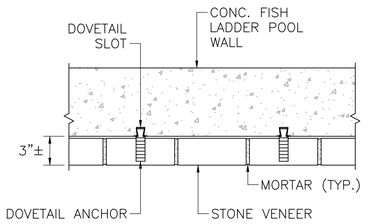
SECTION 26

SCALE: $\frac{3}{4}$" = 1'–0"



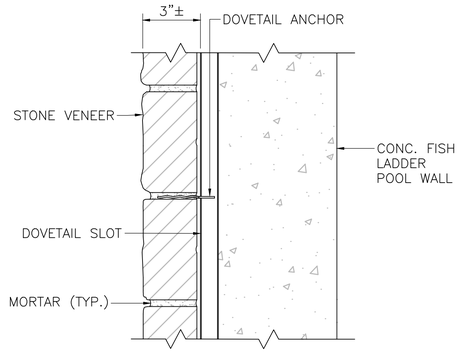
UPSTREAM EEL RAMP SECTION

SCALE: 1" = 1'–0"



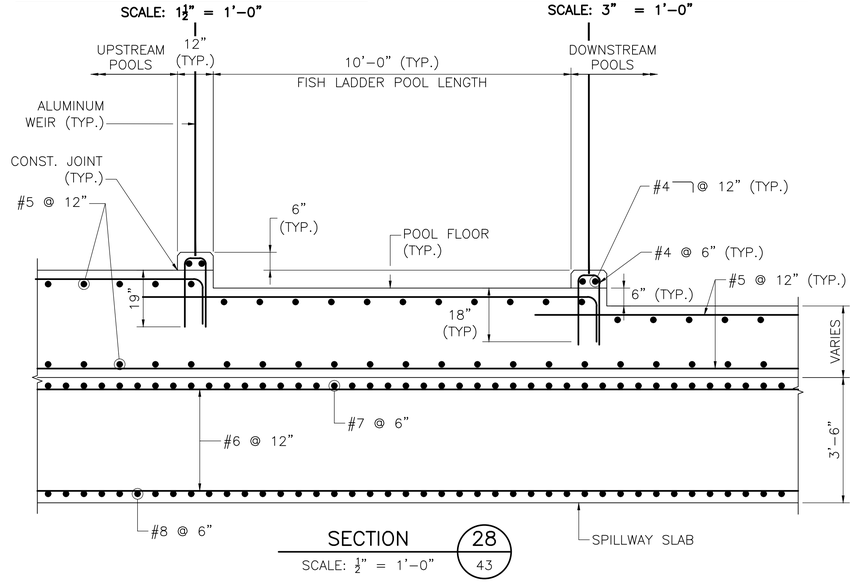
STONE VENEER ATTACHMENT PLAN

SCALE: 1½" = 1'–0"



STONE VENEER ATTACHMENT SECTION

SCALE: 3" = 1'–0"



SECTION 28

SCALE: ½" = 1'–0" (43)

WAREHAM
US 6 WB & ST 28 NB

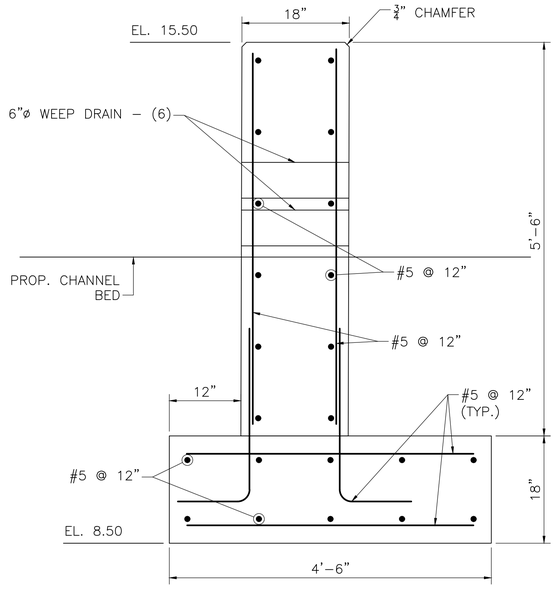
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)–003S(925)X	85	125
	PROJECT FILE NO. 606352		

WILDLIFE PASSAGE SECTIONS
& DETAILS NO. 6

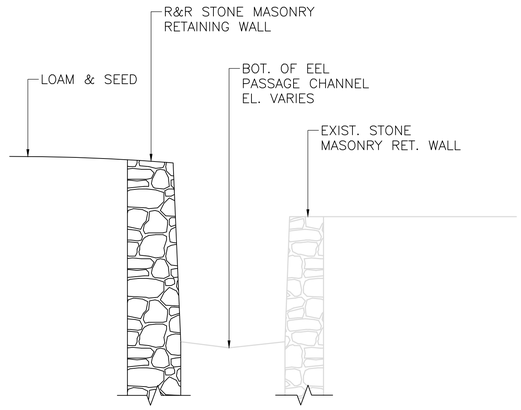
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

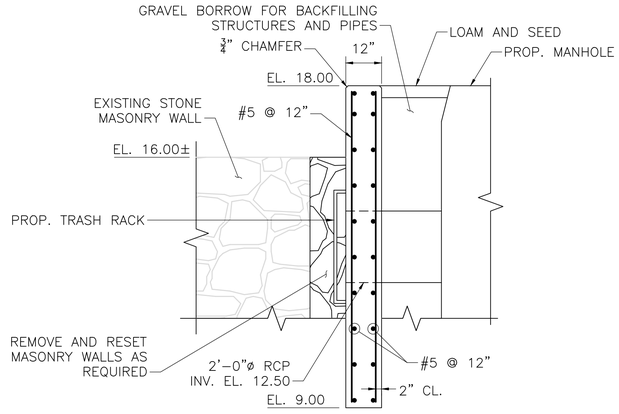
606352_BR29-31(W060020).DWG Plotted on 31-Jul-2026 12:57 PM
8-August-2026
Final Structural Submittal (SF)



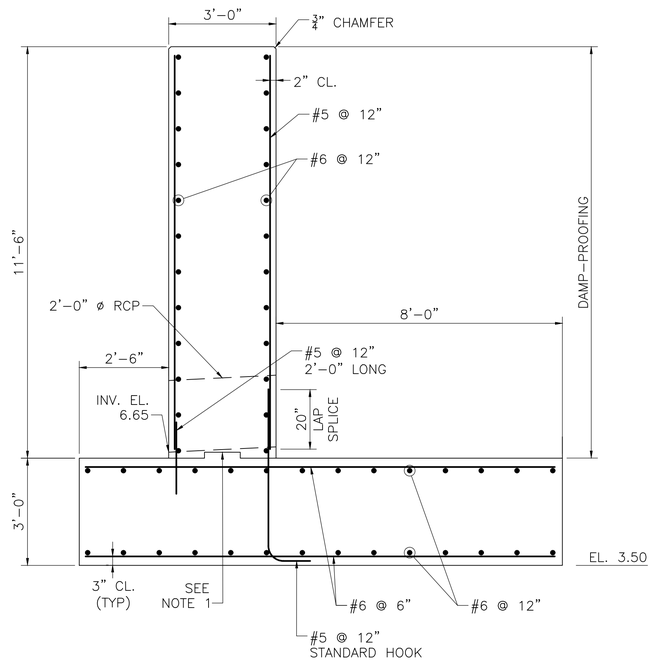
UPSTREAM FLOW CONTROL WEIR – SECTION 34
SCALE: 1" = 1'–0" 47



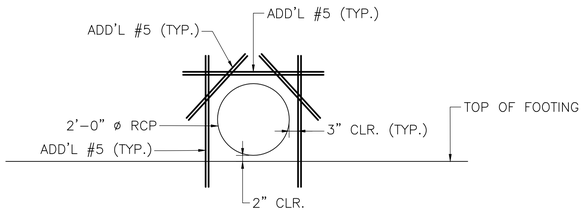
SECTION 32
SCALE: ¼" = 1'–0" 47



SECTION 33
SCALE: ½" = 1'–0" 47



SECTION 35
SCALE: ½" = 1'–0" 47



RCP OPENING
SCALE: ½" = 1'–0"

NOTES:

1. THE FACTORED BEARING PRESSURE = 2.50 KSF AS PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS STRENGTH I LOAD COMBINATION.
2. FACTORED BEARING RESISTANCE = 4.00 KSF. FACTORED BEARING RESISTANCE IS THE PRODUCT OF THE NOMINAL BEARING RESISTANCE AND A RESISTANCE FACTOR OF 0.45.

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

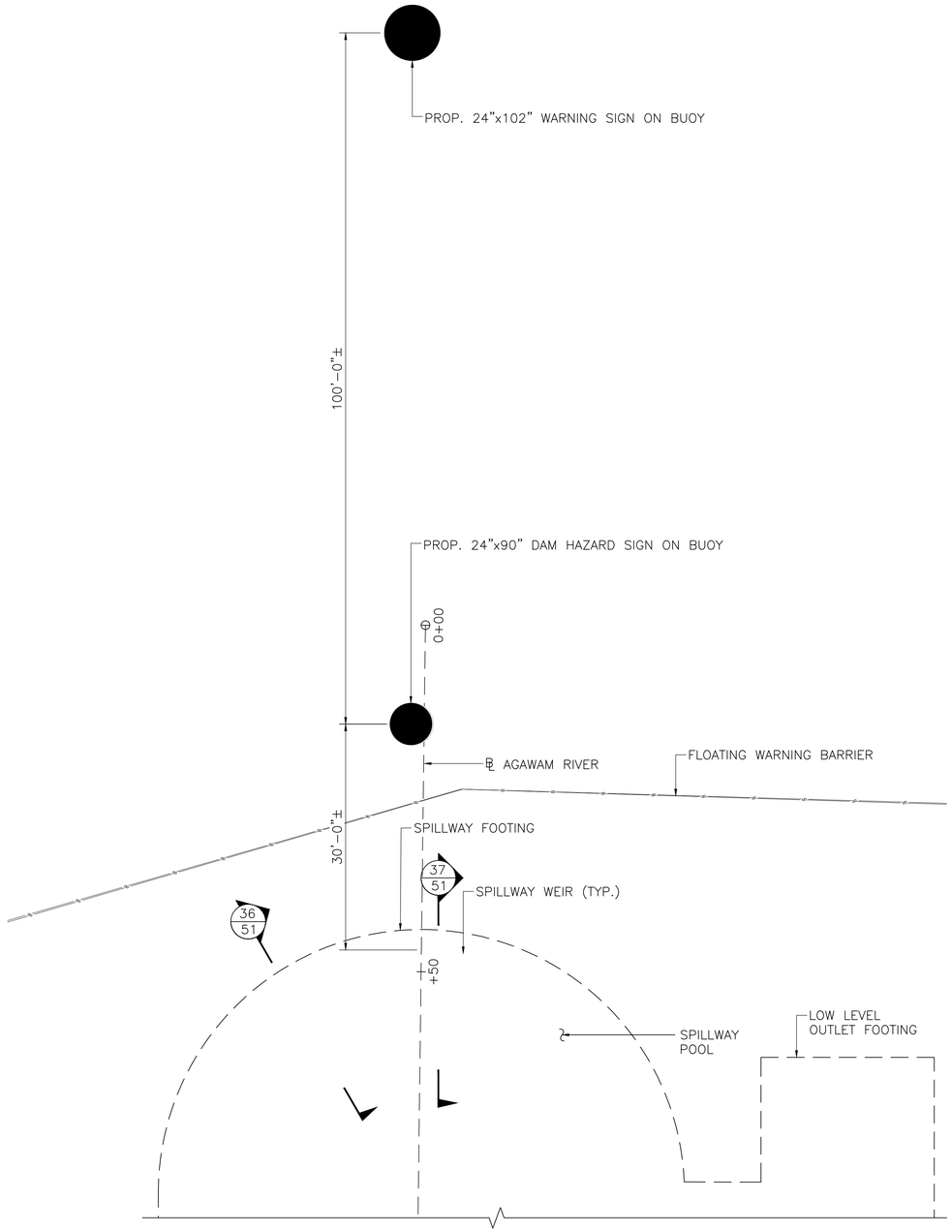
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
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606352_BR29-31(W060020).DWG Plotted on 31-Jul-2026 12:57 PM
8-August-2026
Final Structural Submittal (SF)

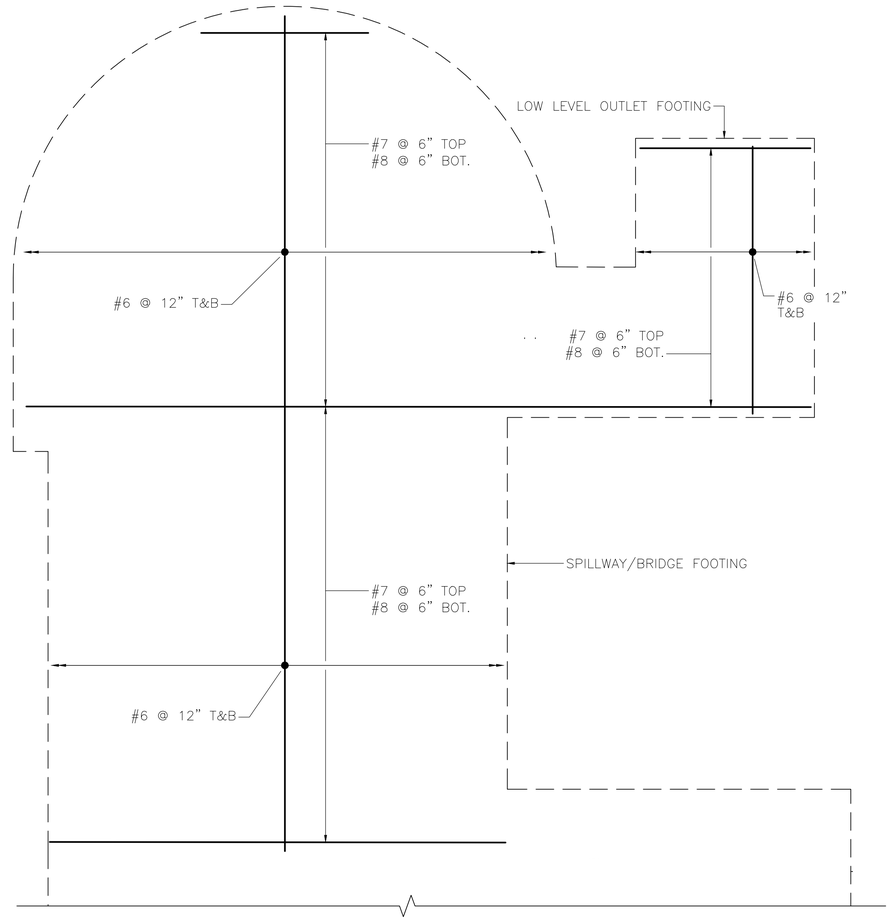
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	87	125
PROJECT FILE NO. 606352			

SPILLWAY SECTIONS & DETAILS NO. 1



SPILLWAY PLAN
SCALE: 1" = 10'



SPILLWAY REINFORCEMENT PLAN
SCALE: 1" = 10'

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

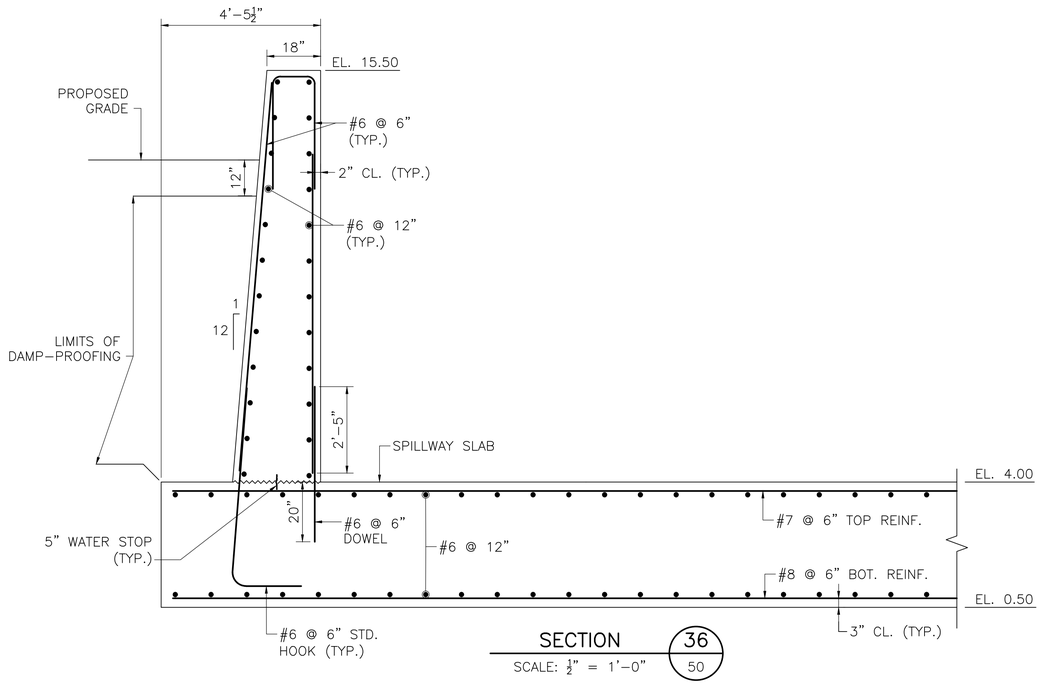
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

SPILLWAY SECTIONS & DETAILS NO. 4.DWG Plotted on 31-Jul-2026 12:57 PM
8-August-2026
Final Structural Submittal (SF)

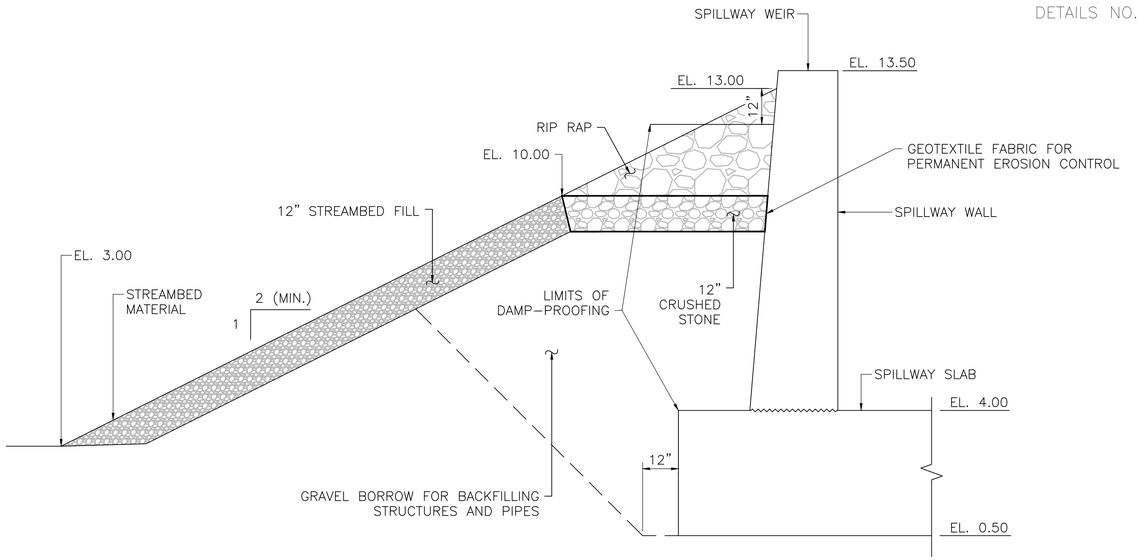
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	88	125
	PROJECT FILE NO. 606352		

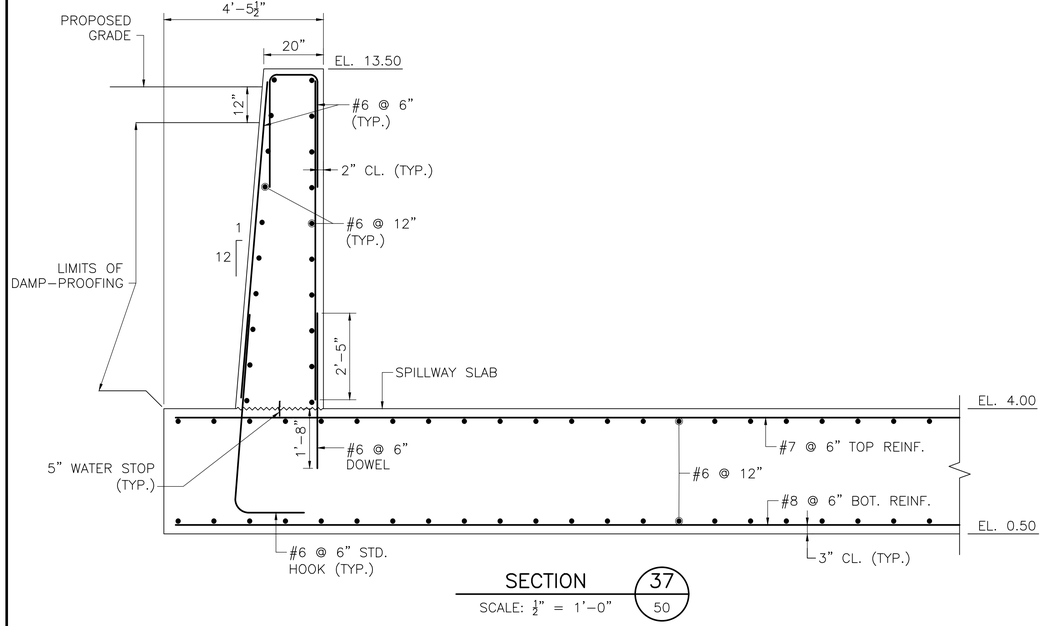
SPILLWAY SECTIONS & DETAILS NO. 2



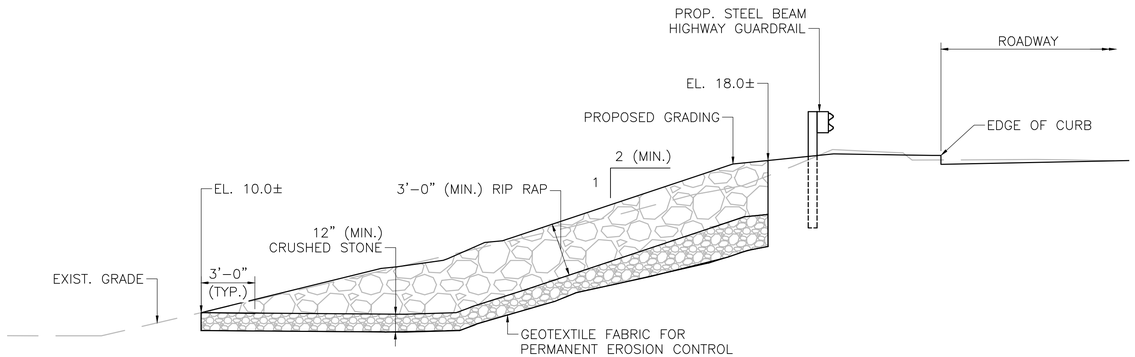
SECTION 36
SCALE: ½" = 1'-0" 50



TYPICAL SPILLWAY EMBANKMENT DETAIL
SCALE: ½" = 1'-0"



SECTION 37
SCALE: ½" = 1'-0" 50

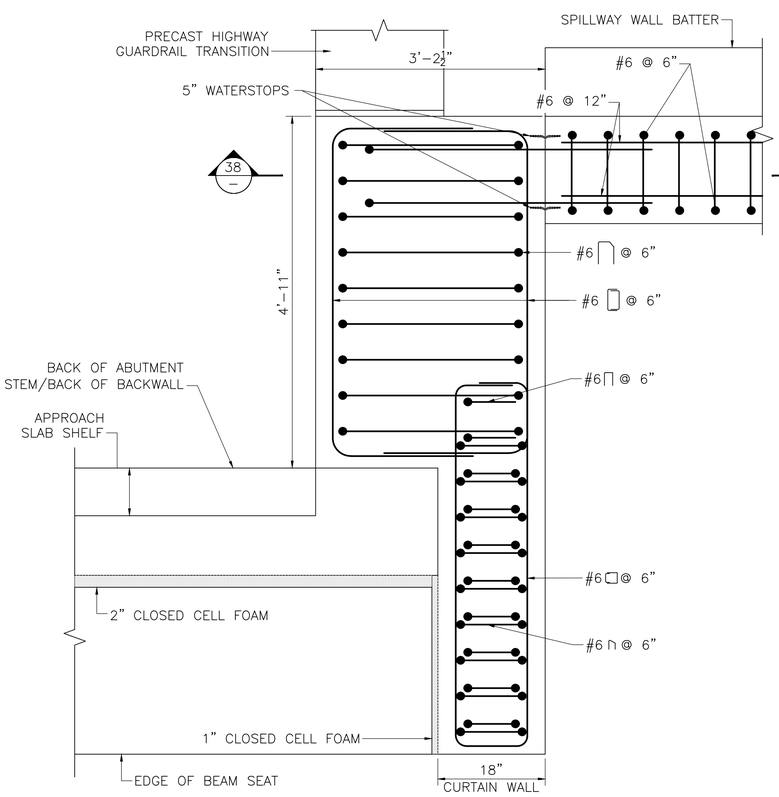


TYPICAL POND EMBANKMENT DETAIL
SCALE: ¼" = 1'-0"

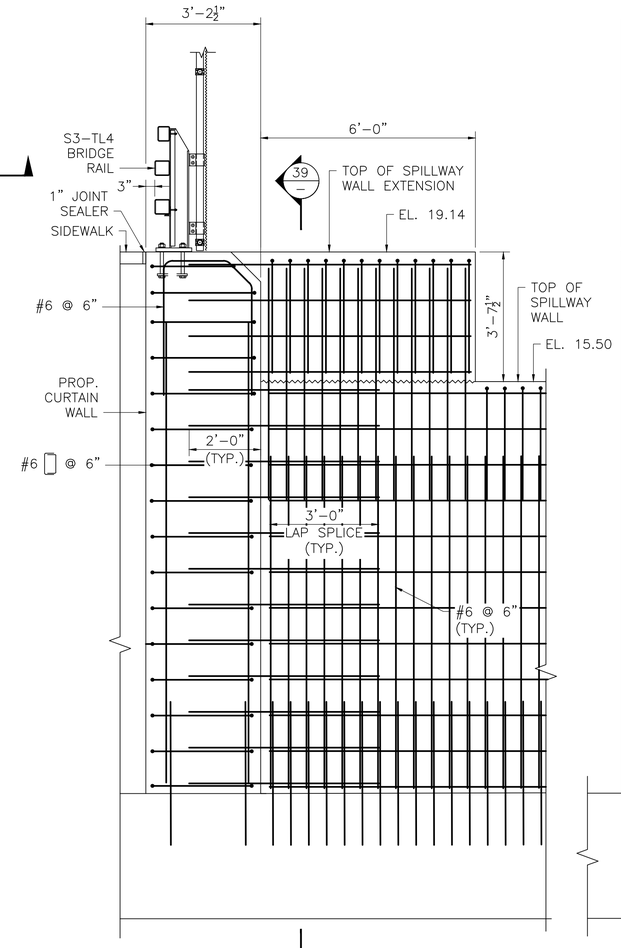
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

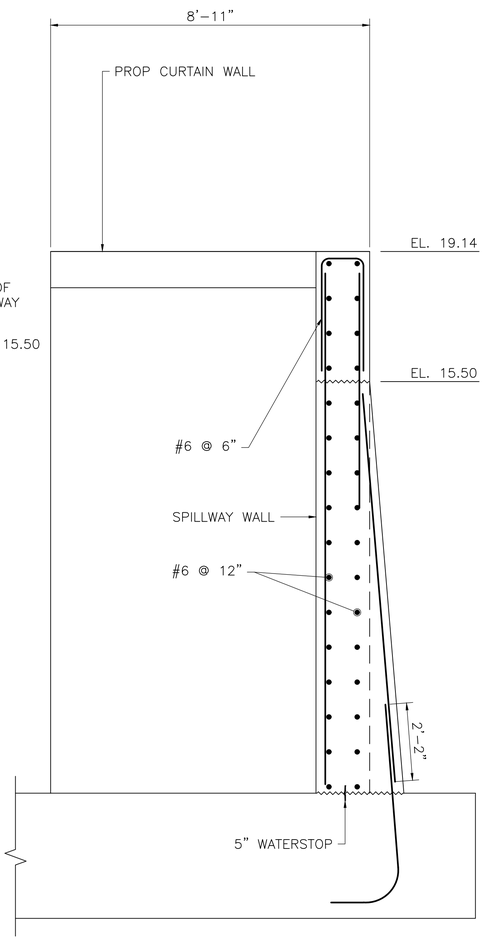
SPILLWAY SECTIONS & DETAILS NO. 4.DWG Plotted on 31-Jul-2026 12:57 PM
Final Structural Submittal (SF) 8-August-2026



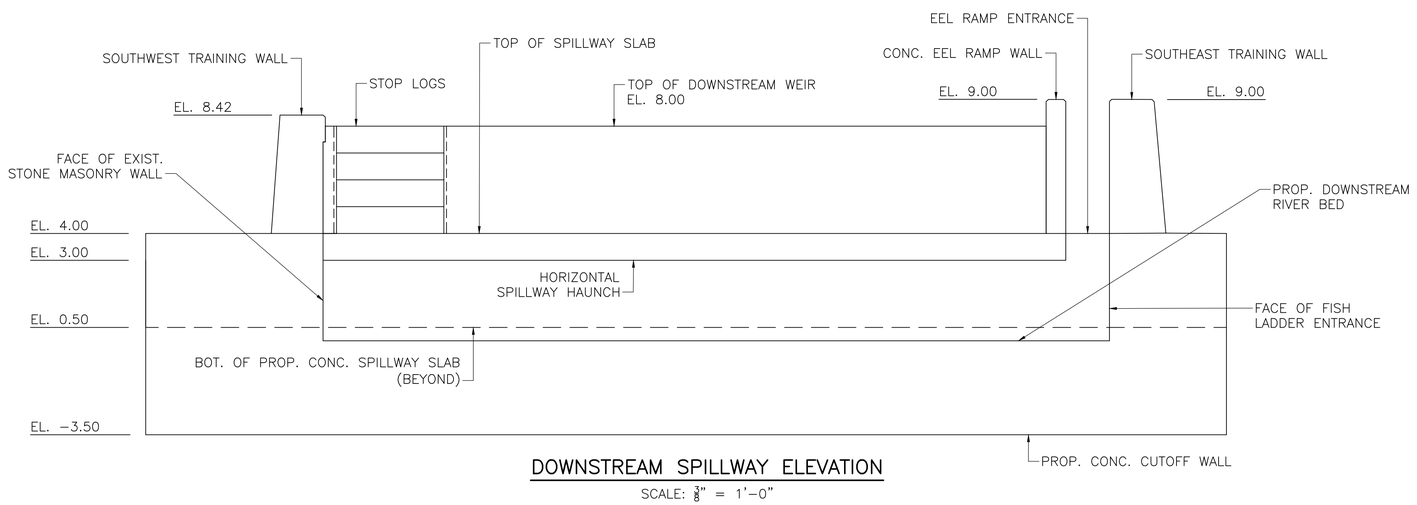
SECTION 2 / 30
SCALE: 1" = 1'-0"



SECTION 38 / –
SCALE: ½" = 1'-0"



SECTION 39 / –
SCALE: ½" = 1'-0"

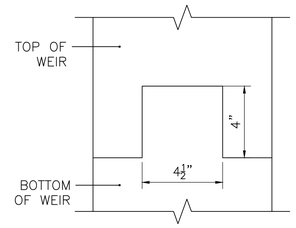


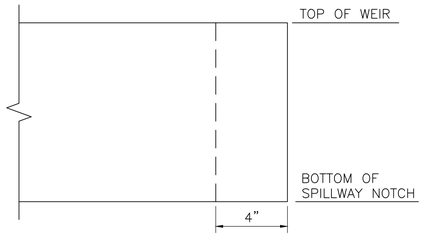
DOWNSTREAM SPILLWAY ELEVATION
SCALE: ⅜" = 1'-0"

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	89	125
PROJECT FILE NO. 606352			

SPILLWAY SECTIONS & DETAILS NO. 3

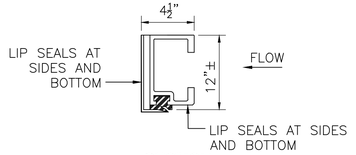




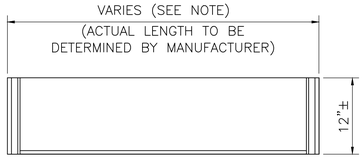
NOTE:

STOP LOG SLOT DETAILS ARE SIMILAR AT SPILLWAY NOTCH, ONLY. NOT STOP LOGS SHALL BE MANUFACTURED FOR THIS LOCATION.

SPILLWAY NOTCH STOP LOG SLOT DETAILS
SCALE: ¼" = 1'-0"



SECTION



ELEVATION

NOTE:

1. APPROXIMATE SIZE WITH SEALS COMPRESSED.
2. STOP LOG WIDTH AT FISH LADDER HARVESTING PAD SHALL BE 3'-11" WIDE.
3. STOP LOG WIDTH AT DOWNSTREAM SPILLWAY WEIR SHALL BE 4'-8" WIDE.
4. STOP LOG GUIDE FRAMES SHALL BE PROVIDED AT THE LOCATION OF STOP LOGS SHOWN ON THE PLANS

STOP LOG DETAILS
SCALE: ½" = 1'-0"

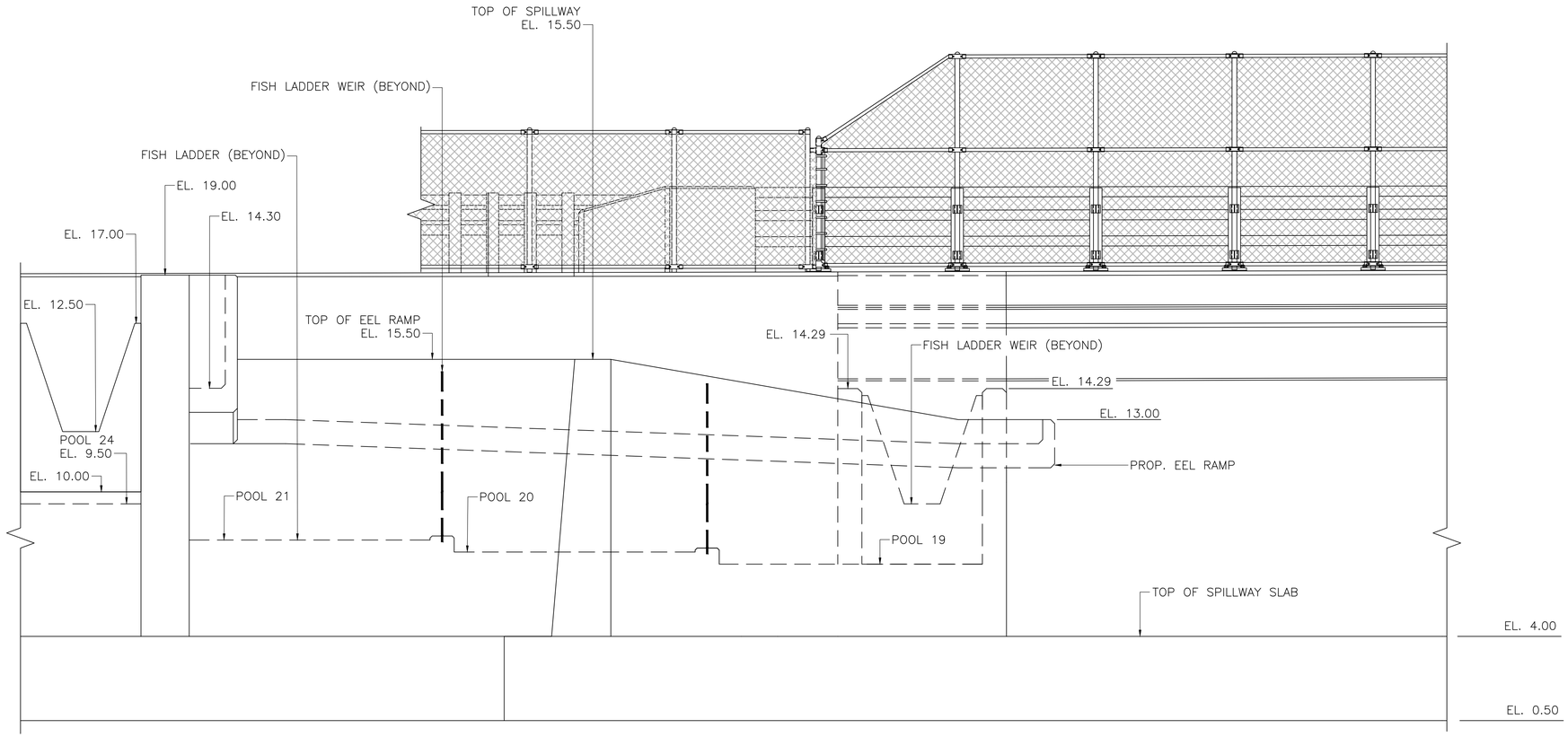
DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT AUTHORIZED SIGNATORY:	STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE	

SPILLWAY SECTIONS & DETAILS NO. 4.DWG Plotted on 31-Jul-2026 12:57 PM
8-August-2026
Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	90	125
	PROJECT FILE NO. 606352		

SPILLWAY SECTIONS & DETAILS NO. 4



UPSTREAM FISHWAY, EEL RAMP, AND SPILLWAY SECTION

SCALE: $\frac{3}{8}$" = 1'-0"



WARNING HAZARD SIGN DETAIL

NOT TO SCALE



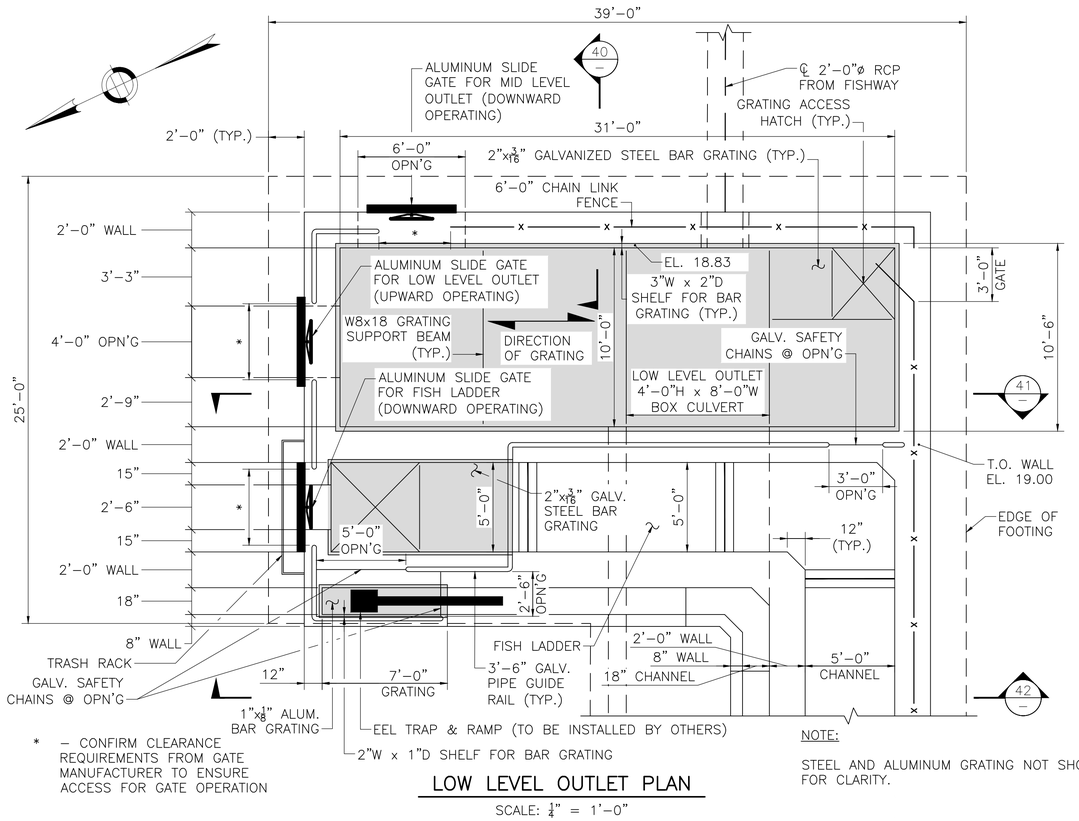
DANGER WARNING SIGN DETAIL

NOT TO SCALE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

SPILLWAY SECTIONS & DETAILS NO. 4.DWG Plotted on 31-Jul-2026 12:58 PM
8-August-2026 Final Structural Submittal (SF)



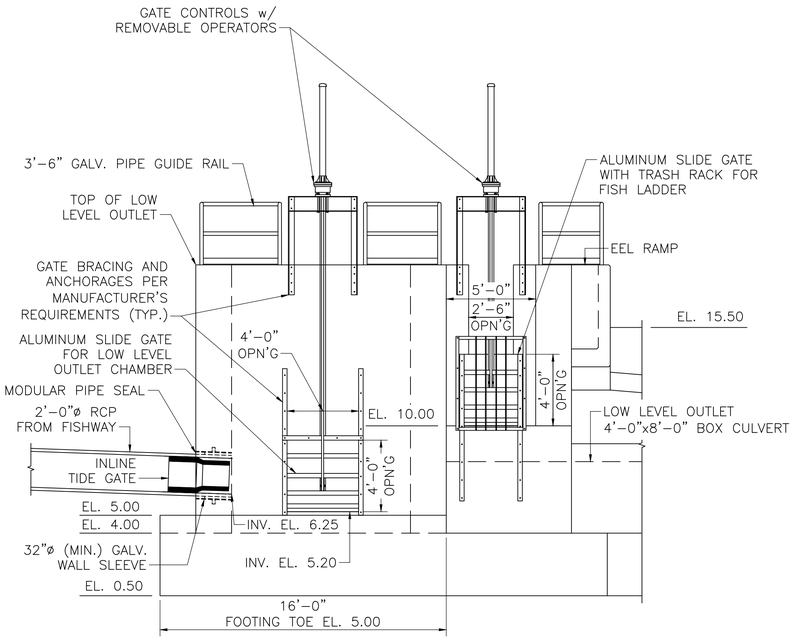
* – CONFIRM CLEARANCE REQUIREMENTS FROM GATE MANUFACTURER TO ENSURE ACCESS FOR GATE OPERATION

LOW LEVEL OUTLET PLAN

SCALE: 1/4" = 1'–0"

NOTE:

STEEL AND ALUMINUM GRATING NOT SHOWN FOR CLARITY.

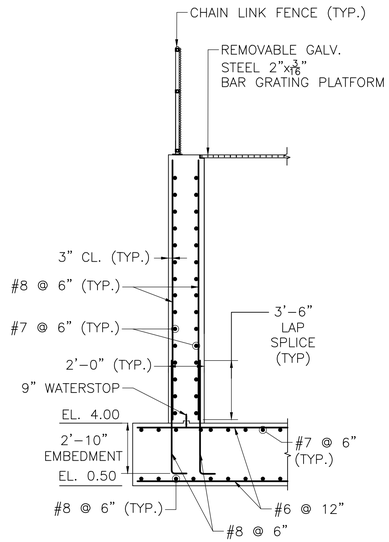


LOW LEVEL OUTLET NORTH ELEVATION

SCALE: 1/4" = 1'–0"

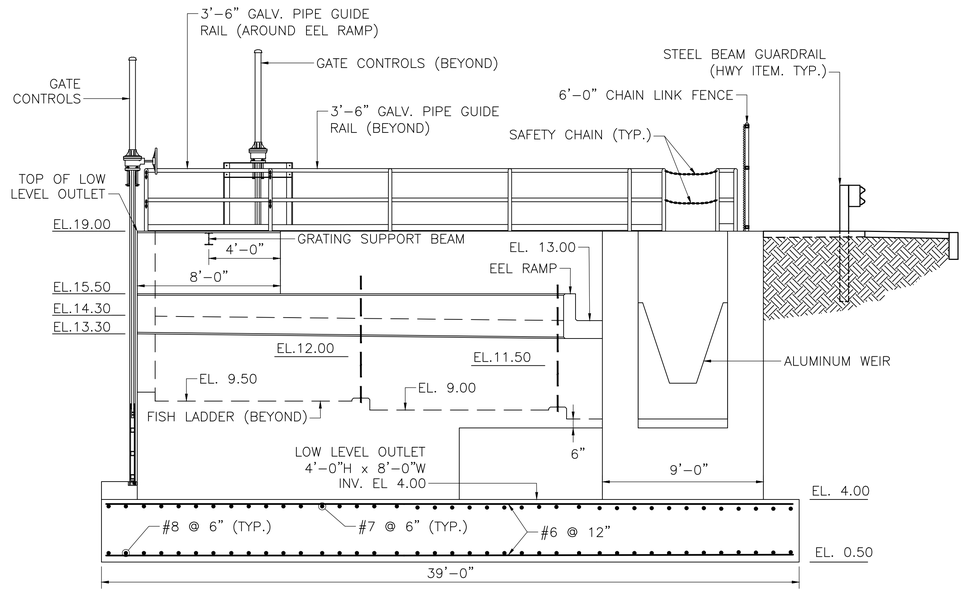
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)–003S(925)X	91	125
PROJECT FILE NO.	606352		

LOW LEVEL OUTLET SECTIONS & DETAILS NO. 1



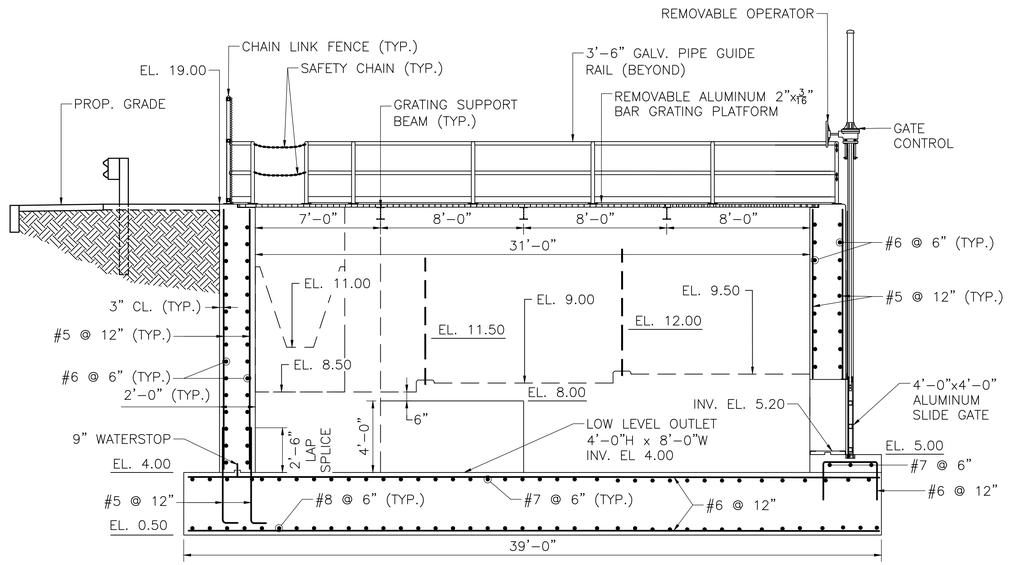
SECTION 40

SCALE: 1/4" = 1'–0"



SECTION 42

SCALE: 1/4" = 1'–0"



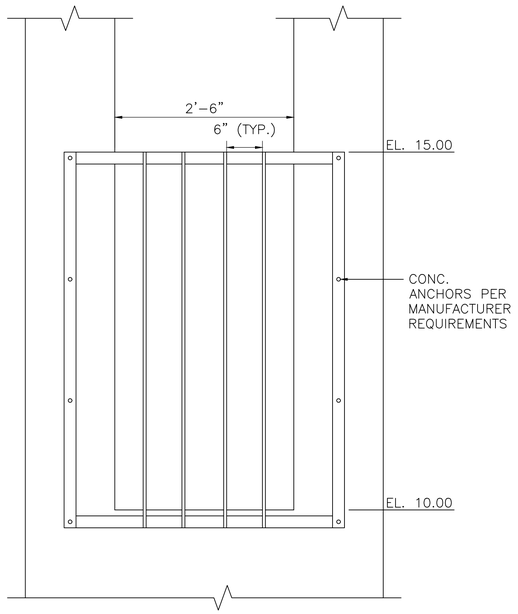
SECTION 41

SCALE: 1/4" = 1'–0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

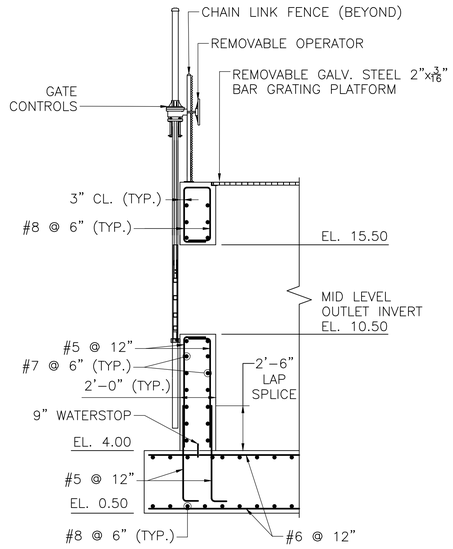
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

LOW LEVEL OUTLET SECTIONS & DETAILS NO. 2.DWG Plotted on 31-Jul-2026 12:58 PM
8-August-2026
Final Structural Submittal (SF)



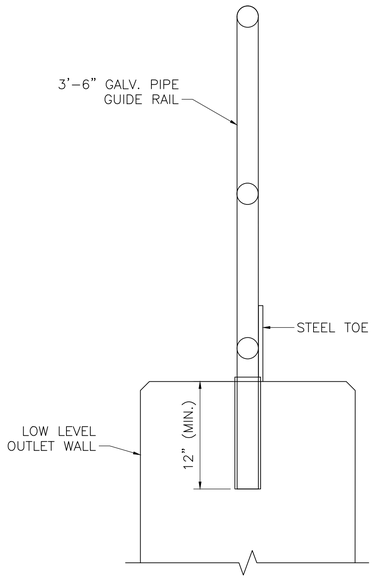
TRASH RACK DETAIL

SCALE: 1" = 1'–0"



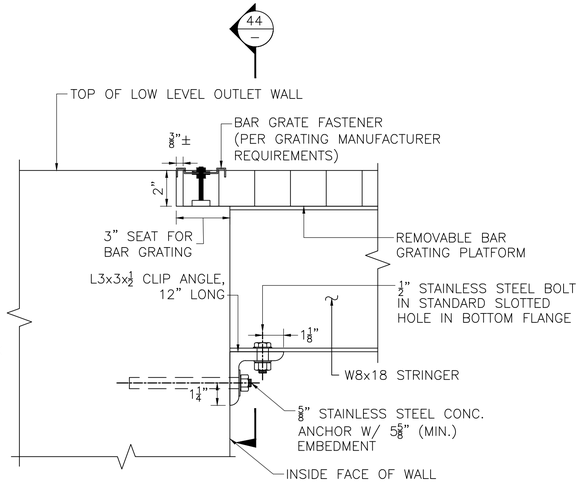
SECTION 43/–

SCALE: 1/4" = 1'–0"



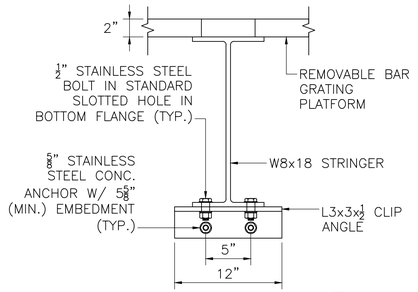
RAILING DETAIL

SCALE: 1 1/2" = 1'–0"



GRATE DETAIL

NOT TO SCALE



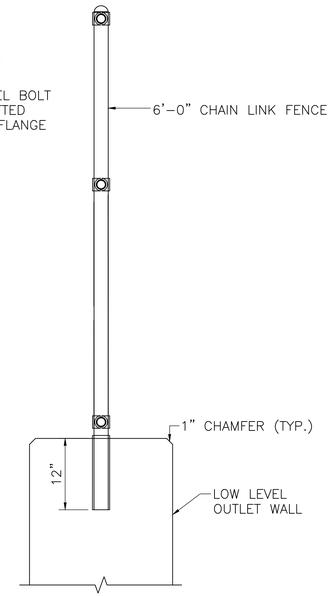
SECTION 44/–

SCALE: 1 1/2" = 1'–0"

WAREHAM
US 6 WB & ST 28 NB

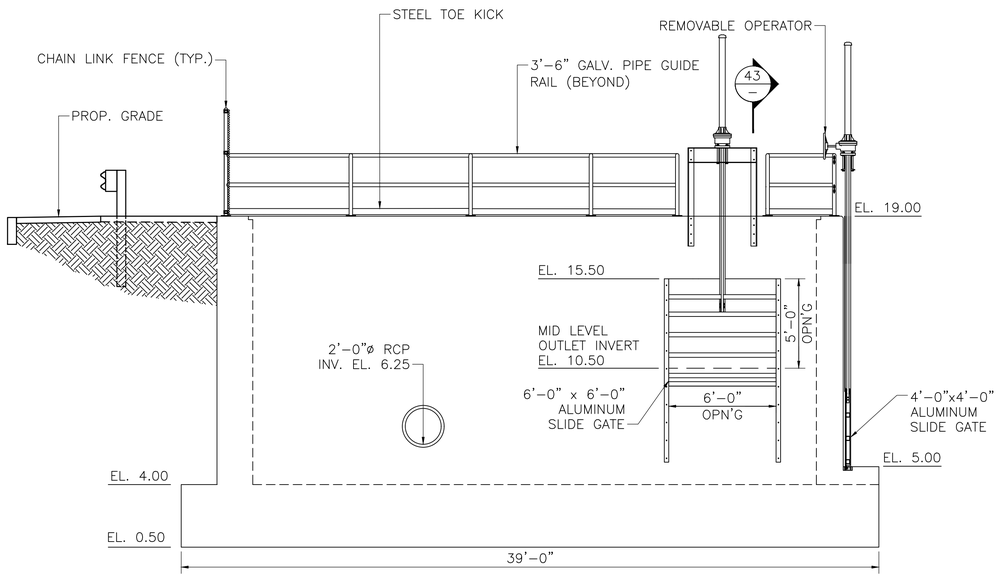
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)–003S(925)X	92	125
	PROJECT FILE NO. 606352		

LOW LEVEL OUTLET SECTIONS & DETAILS NO. 2



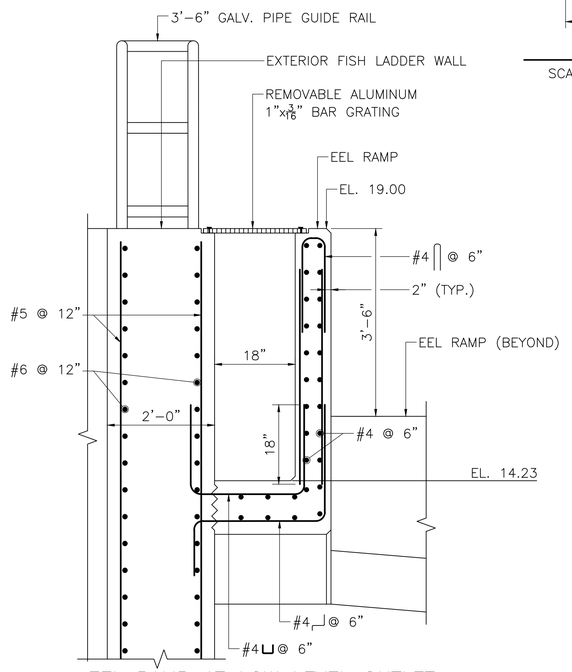
TYPICAL CHAIN LINK FENCE EMBEDMENT

SCALE: 1 1/2" = 1'–0"



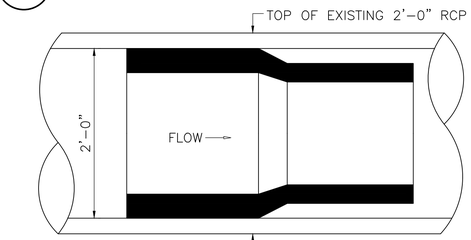
MID LEVEL OUTLET EAST ELEVATION

SCALE: 1/4" = 1'–0"



EEL RAMP AT LOW LEVEL OUTLET

SCALE: 3/4" = 1'–0"



NOTE:

TIDE IN–LINE CHECK VALVE SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTION AND AS DESCRIBE IN THE CONTRACT SPECIFICATIONS.

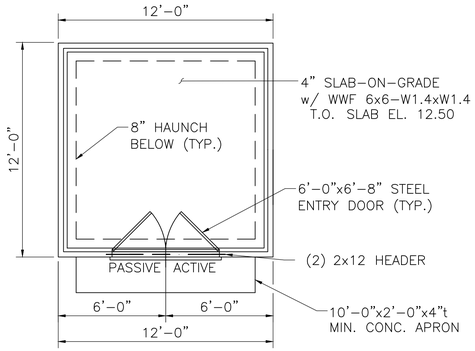
TIDE INLINE CHECK VALVE DETAIL

NOT TO SCALE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
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THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

LOW LEVEL OUTLET SECTIONS & DETAILS NO. 2.DWG Plotted on 31-Jul-2026 12:58 PM
8-August-2026 Final Structural Submittal (SF)



FLOOR PLAN

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

NOTES:

CONCRETE

1. PROVIDE A STEEL TROWELED FINISH FOR SLABS-ON-GRADE AND A BROOM FINISH FOR EXTERIOR SLABS, WALKWAYS, AND APRONS.

2. ALL CONCRETE SHALL BE PLACED IN THE DRY.

STRUCTURAL LUMBER

1. DESIGN AND CONSTRUCTION OF STRUCTURAL LUMBER AND WOOD ROOF TRUSSES SHALL BE IN ACCORDANCE WITH THE MASSACHUSETTS STATE BUILDING CODE 780 CMR. NAILING TO BE AS PER CHAPTERS 6 AND 8 OF THE RESIDENTIAL CODE 780 CMR 51.00.

2. ALL DIMENSION LUMBER SHALL BE MINIMUM SPRUCE-PINE-FIR (SPF) No. 2, MAX 19% MOISTURE CONTENT WITH THE FOLLOWING MINIMUM MATERIAL PROPERTIES:

F_b = 750 PSI (SINGLE MEMBER USE)

E = 1,100,000 PSI

3. UNLESS NOTED OTHERWISE, ALL HEADERS SHALL BE MIN. (2) -2x6's.

4. ROOF SHEATHING SHALL BE MIN. 5/8" TONGUE & GROOVE ORIENTED STRAND BOARD (OSB), RATED FOR EXTERIOR USE ON THE SPECIFIED TRUSS SPACING.

5. WALL SHEATHING SHALL BE MIN. 7/16" OSB, RATED FOR EXTERIOR USE.

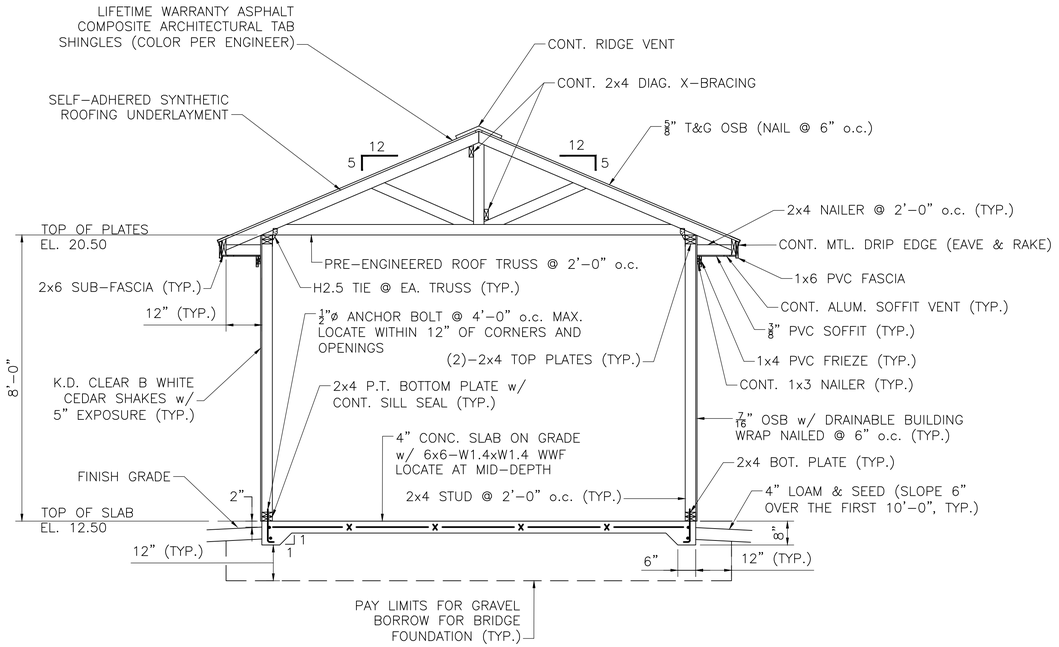
6. ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE, OR EXPOSED TO THE WEATHER SHALL BE PRESSURE TREATED IN ACCORDANCE WITH THE CODE REQUIREMENTS.

7. BASE DESIGN LOADS (MASSACHUSETTS STATE BUILDING CODE 780 CMR 51.00):

GROUND SNOW LOAD, P_g = 30 PSF (ADJUSTED FOR DRIFTING)

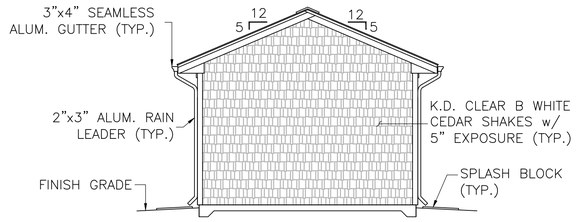
ULTIMATE WIND SPEED, V_{ult} = 129 MPH (ADJUSTED FOR EXPOSURE)

ROOF DEAD LOAD = 12 PSF



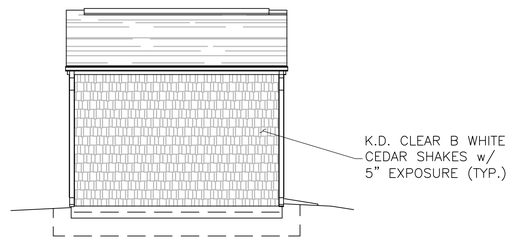
CROSS SECTION

SCALE: $\frac{1}{2}$" = 1'-0"



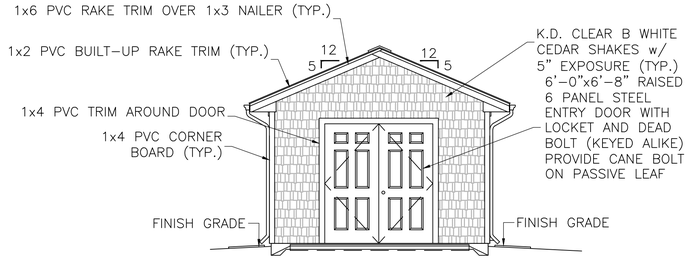
EAST ELEVATION

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



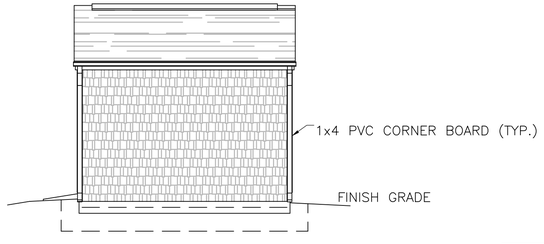
NORTH ELEVATION

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



WEST ELEVATION

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



SOUTH ELEVATION

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

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
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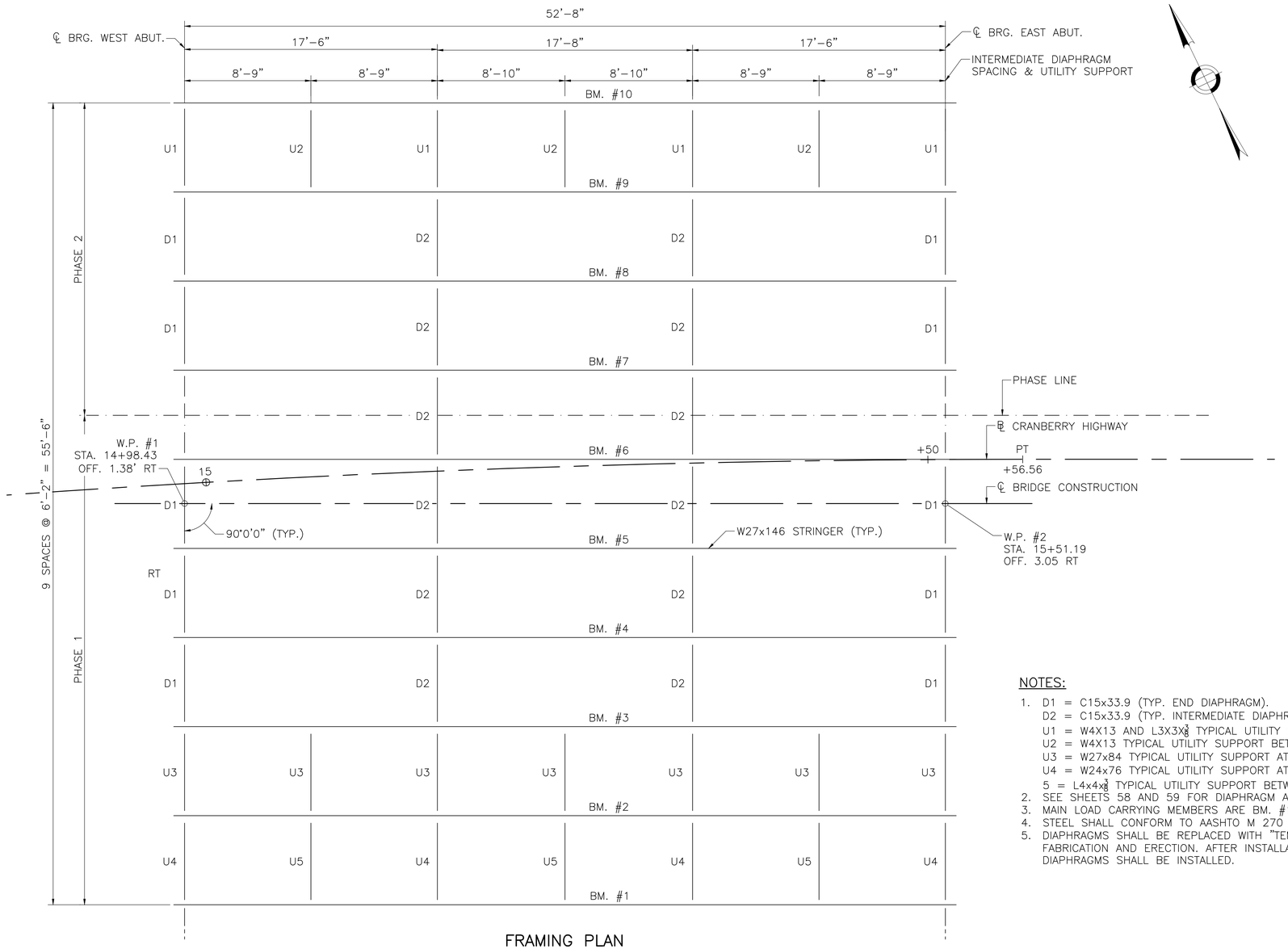
USE ONLY PRINTS OF LATEST DATE

STORAGE SHED DETAILS-2.DWG Plotted on 31-Jul-2026 12:58 PM
8-August-2026
Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

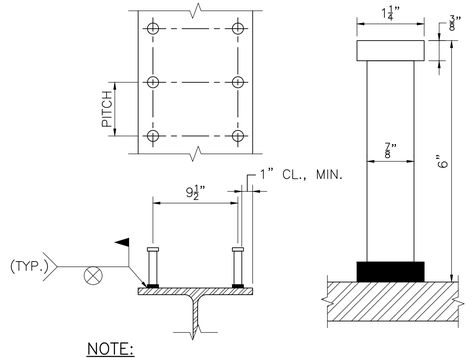
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	94	125
	PROJECT FILE NO. 606352		

FRAMING PLAN & STRINGER ELEVATION



FRAMING PLAN

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



NOTE:

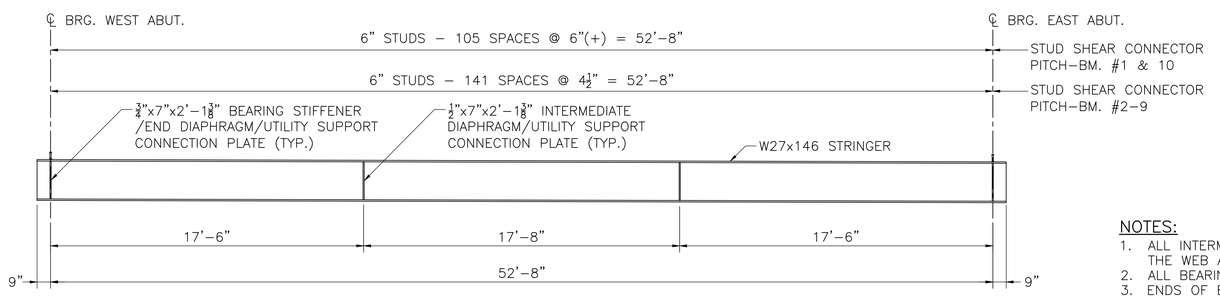
$\frac{3}{4}$" ø STUDS MAY BE SUBSTITUTED FOR $\frac{7}{8}$" ø STUDS BY ADJUSTING THE PITCH TO PROVIDE AN EQUIVALENT CROSS-SECTIONAL AREA PER FOOT.

SHEAR STUD DETAILS

NOT TO SCALE

NOTES:

1. D1 = C15x33.9 (TYP. END DIAPHRAGM).
   D2 = C15x33.9 (TYP. INTERMEDIATE DIAPHRAGM).
   U1 = W4X13 AND L3X3X$\frac{3}{8}$ TYPICAL UTILITY SUPPORT AT DIAPHRAGMS (FUTURE UTILITY BAY).
   U2 = W4X13 TYPICAL UTILITY SUPPORT BETWEEN DIAPHRAGMS (FUTURE UTILITY BAY).
   U3 = W27x84 TYPICAL UTILITY SUPPORT AT DIAPHRAGMS (WATER MAIN BAY).
   U4 = W24x76 TYPICAL UTILITY SUPPORT AT DIAPHRAGMS (GAS LINE BAY).
   5 = L4x4x$\frac{3}{8}$ TYPICAL UTILITY SUPPORT BETWEEN DIAPHRAGMS (GAS LINE BAY).
2. SEE SHEETS 58 AND 59 FOR DIAPHRAGM AND UTILITY SUPPORT DETAILS.
3. MAIN LOAD CARRYING MEMBERS ARE BM. #1 – BM. #10.
4. STEEL SHALL CONFORM TO AASHTO M 270 GRADE 50.
5. DIAPHRAGMS SHALL BE REPLACED WITH "TEMPORARY UTILITY BAY DIAPHRAGM" DURING FABRICATION AND ERECTION. AFTER INSTALLATION OF THE PBU, THE TYPICAL UTILITY BAY DIAPHRAGMS SHALL BE INSTALLED.



STRINGER ELEVATION

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

NOTES:

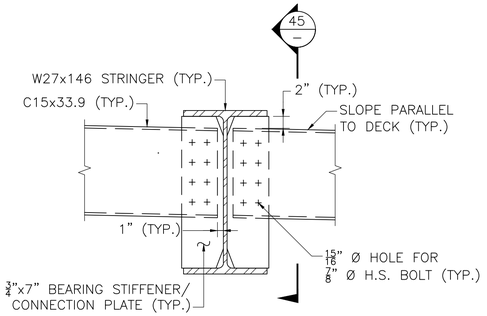
1. ALL INTERMEDIATE STIFFENERS SHALL BE PERPENDICULAR TO THE WEB AND TO THE STRINGER FLANGES.
2. ALL BEARING STIFFENERS SHALL BE PLUMB.
3. ENDS OF BEAMS SHALL BE FABRICATED SO THAT UNDER FULL DEAD LOAD THE ENDS WILL BE PLUMB.

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

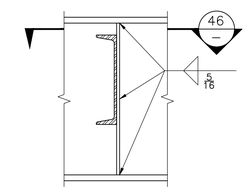
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER

USE ONLY PRINTS OF LATEST DATE

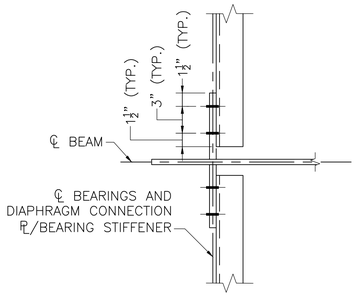
FRAMING PLAN & STRINGER ELEVATION.DWG Plotted on 31-Jul-2026 12:58 PM
8-August-2026 Final Structural Submittal (SF)



ELEVATION VIEW



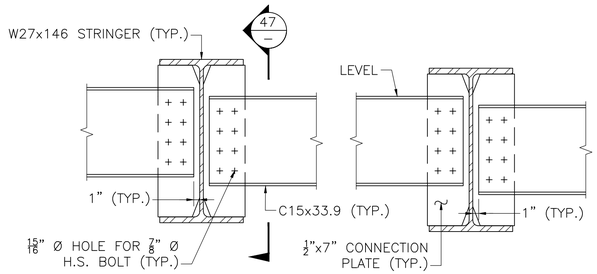
SECTION 45
SCALE: 1" = 1'-0"



SECTION 46
SCALE: 1 1/2" = 1'-0"

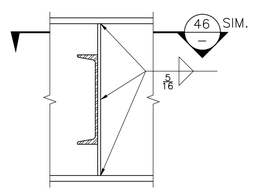
END DIAPHRAGM DETAILS (D1)

SCALE: 1" = 1'-0"



ELEVATION VIEW

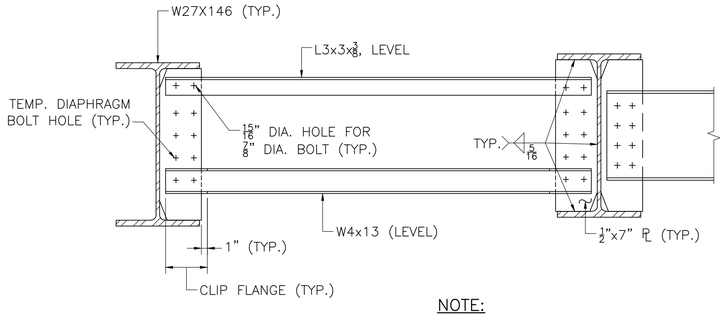
NOTE:
SEE CLIP DETAILS, THIS SHEET.

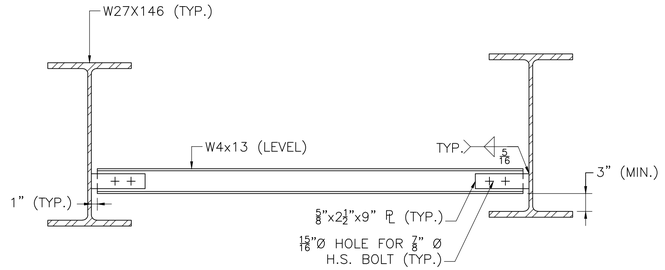


SECTION 47
SCALE: 1" = 1'-0"

INTERMEDIATE DIAPHRAGM DETAILS (D2)

SCALE: 1" = 1'-0"

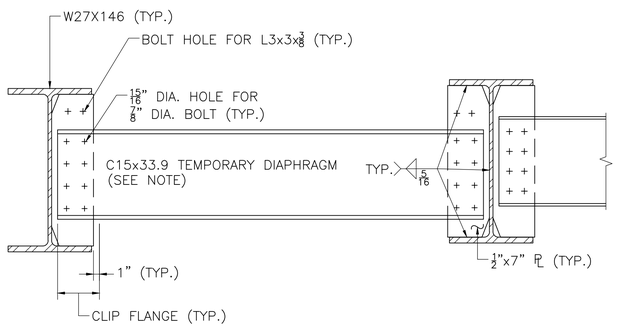




NOTE:
SEE DIAPHRAGM CONNECTION PLATE CLIP DETAILS, THIS SHEET.

UTILITY SUPPORT DETAILS AT INTERMEDIATE DIAPHRAGMS – FUTURE UTILITY BAY (U1)

SCALE: 1" = 1'-0"



NOTE:

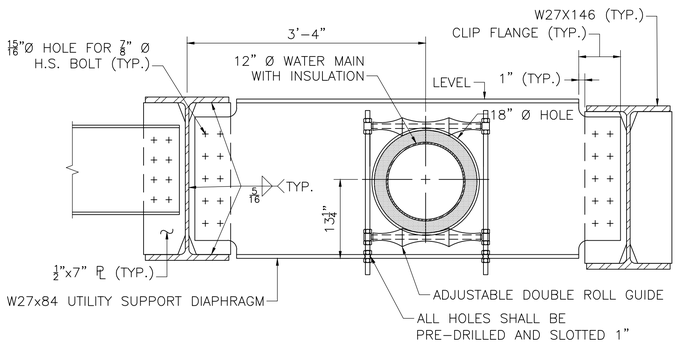
A TEMPORARY DIAPHRAGM SHALL BE INSTALLED DURING THE FABRICATION OF THE PBU TO PROVIDE STABILITY WHEN POURING THE CONCRETE DECK. THE DIAPHRAGM SHALL BE LEVEL AND CENTERED MID-HEIGHT OF THE UP-SLOPE BEAM. AFTER THE CONCRETE DECK HAS CURED, THE TEMPORARY DIAPHRAGM SHALL BE REMOVED AND REPLACED WITH THE UTILITY SUPPORT AS SHOWN. THE BOLT HOLES IN THE CONNECTION PLATE USED FOR THE TEMPORARY DIAPHRAGM SHALL REMAIN UNFILLED.

TEMPORARY UTILITY BAY DIAPHRAGM DETAIL

SCALE: 1" = 1'-0"

UTILITY SUPPORT DETAILS BETWEEN DIAPHRAGMS – FUTURE UTILITY BAY (U2)

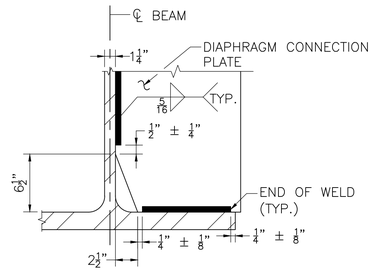
SCALE: 1" = 1'-0"



NOTE:
SEE DIAPHRAGM CONNECTION PLATE CLIP DETAILS, THIS SHEET.

UTILITY SUPPORT DETAILS AT INTERMEDIATE DIAPHRAGMS – WATER MAIN BAY (U3)

SCALE: 1" = 1'-0"



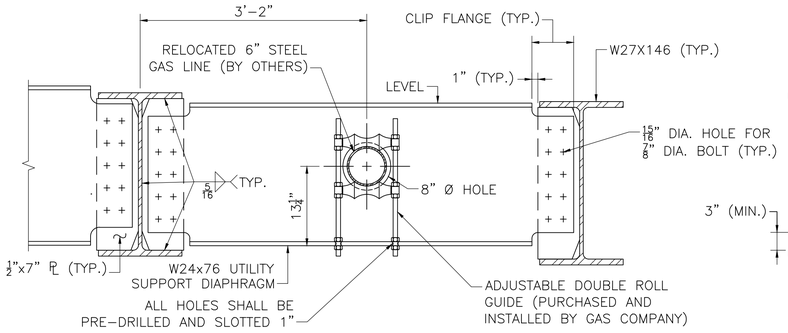
CLIP DETAIL

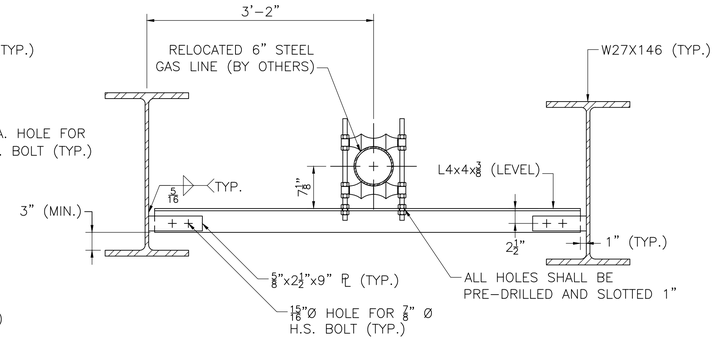
NOT TO SCALE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

STEEL DETAILS NO. 2.DWG Plotted on 31-Jul-2026 12:58 PM
Final Structural Submittal (SF) 8-August-2026





NOTES:

1. SEE DIAPHRAGM CONNECTION PLATE CLIP DETAILS, PREVIOUS SHEET.
2. OMIT ROLLERS AT END DIAPHRAGMS.

UTILITY SUPPORT DETAILS AT INTERMEDIATE DIAPHRAGMS – GAS LINE BAY (U4)

SCALE: 1" = 1'-0"

UTILITY SUPPORT DETAILS BETWEEN DIAPHRAGMS – GAS LINE BAY (U5)

SCALE: 1" = 1'-0"

GAS LINE INSTALLATION NOTES:

1. UTILITY SUPPORTS SHALL BE INSTALLED BY MASSDOT CONTRACTOR. THE MASSDOT CONTRACTOR SHALL DRILL HOLES IN THE UTILITY SUPPORTS FOR THE ROLL GUIDE SUPPORTS.
2. GAS MAINS SHALL NOT BE TAKEN OUT OF SERVICE DURING CONSTRUCTION WITHOUT PRIOR CONSENT FROM NGRID–GAS.

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)–003S(925)X	96	125
PROJECT FILE NO.	606352		

STEEL DETAILS NO. 2

CAMBER TABLE (INCHES)

STRINGER NO.		℄ BRG. W. ABUT	0.1L	0.2L	0.3L	0.4L	0.5L	0.6L	0.7L	0.8L	0.9L	℄ BRG. E. ABUT
1–3	STEEL DL DEFL	0.00	0.07	0.14	0.19	0.22	0.23	0.22	0.19	0.14	0.07	0.00
	CONC DL DEFL	0.00	0.20	0.37	0.50	0.59	0.62	0.59	0.50	0.37	0.20	0.00
	SDL DEFL	0.00	0.20	0.38	0.52	0.60	0.63	0.60	0.52	0.38	0.20	0.00
	VERT CURVE CAMBER	0.00	0.15	0.27	0.36	0.41	0.43	0.41	0.36	0.27	0.15	0.00
	ADD'L CAMBER	0.00	0.12	0.21	0.28	0.32	0.33	0.32	0.28	0.21	0.12	0.00
	TOTAL CAMBER	0.00	0.74	1.36	1.84	2.14	2.24	2.14	1.84	1.36	0.74	0.00
4–10	STEEL DL DEFL	0.00	0.07	0.12	0.17	0.20	0.21	0.20	0.17	0.12	0.07	0.00
	CONC DL DEFL	0.00	0.21	0.39	0.54	0.63	0.66	0.63	0.54	0.39	0.21	0.00
	SDL DEFL	0.00	0.11	0.21	0.29	0.34	0.36	0.34	0.29	0.21	0.11	0.00
	VERT CURVE CAMBER	0.00	0.15	0.27	0.36	0.41	0.43	0.41	0.36	0.27	0.15	0.00
	ADD'L CAMBER	0.00	0.12	0.21	0.28	0.32	0.33	0.32	0.28	0.21	0.12	0.00
	TOTAL CAMBER	0.00	0.66	1.21	1.64	1.90	1.99	1.90	1.64	1.21	0.66	0.00

DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

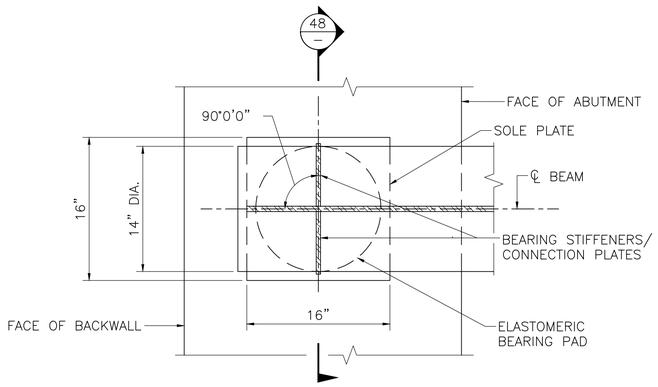
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
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USE ONLY PRINTS OF LATEST DATE

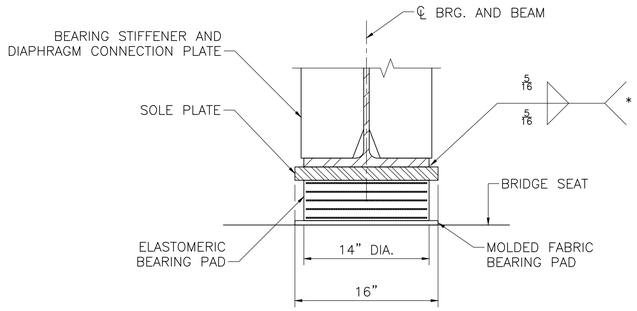
STEEL DETAILS NO. 2.DWG Plotted on 31-Jul-2026 12:58 PM
8-August-2026 Final Structural Submittal (SF)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	97	125
	PROJECT FILE NO. 606352		

BEARING DETAILS

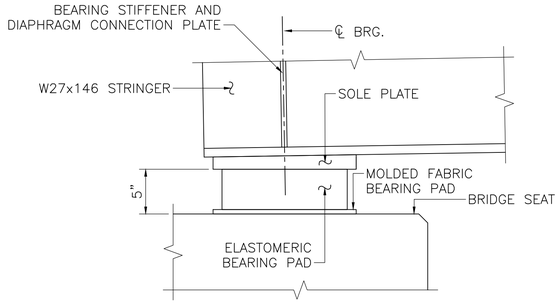


PLAN
SCALE: 1½" = 1'–0"

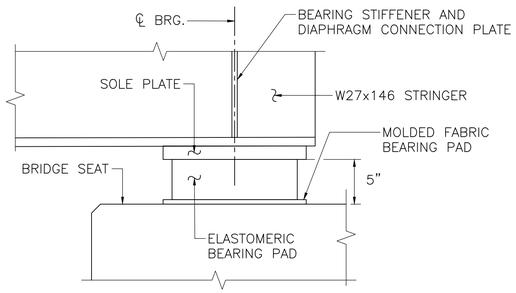


(*) – WELDS SHALL TERMINATE ¼" FROM EDGE OF PLATE.

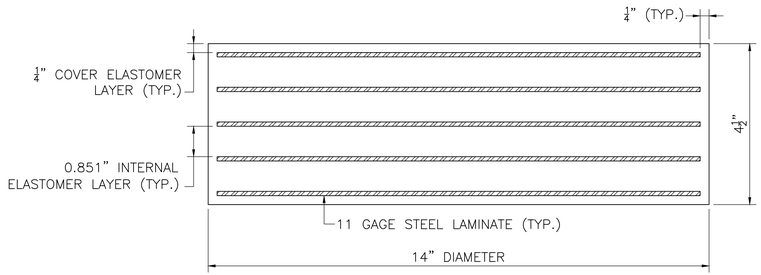
SECTION 48 –
SCALE: 1½" = 1'–0"



EAST ELEVATION
SCALE: 1½" = 1'–0"



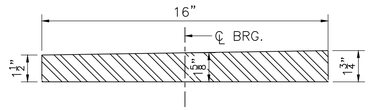
WEST ELEVATION
SCALE: 1½" = 1'–0"



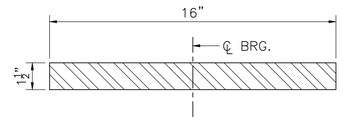
NOTES:

1. THIS BEARING IS DESIGNED USING AASHTO METHOD B.
2. ELASTOMER SHALL HAVE A SHEAR MODULUS OF 0.160 KSI.
3. STEEL LAMINATES SHALL CONFORM TO ASTM A 1011 GRADE 36 OR HIGHER. ALL EDGES OF STEEL LAMINATES SHALL BE GROUND SMOOTH.
4. THE COMPRESSIVE DESIGN LOAD ON THE BEARING PAD IS 118 KIPS. THE COMPRESSIVE DESIGN STRESS IS THE RESULT OF DIVIDING THE COMPRESSIVE DESIGN LOAD BY THE AREA OF THE PAD AND IS EQUAL TO 0.77 KSI.
5. THE 25 YEAR CREEP STRAIN SHALL BE LIMITED TO 35%.
6. ELASTOMERIC BEARING PAD SHALL NOT BE VULCANIZED TO THE SOLE PLATE.
7. STEEL SOLE PLATE SHALL CONFORM TO AASHTO M 270 GRADE 36 OR GRADE 50 AND SHALL BE HOT–DIP GALVANIZED OR METALIZED.
8. CENTER THE ELASTOMERIC PAD UNDER THE SOLE PLATE DURING BEAM ERECTION.
9. BEAMS SHALL BE ERECTED WHEN THE AMBIENT TEMPERATURE IS BETWEEN 30 °F AND 90 °F. IF BEAMS ARE ERECTED AT OTHER AMBIENT TEMPERATURES, THEY WILL HAVE TO BE JACKED AND THE ELASTOMERIC BEARINGS RECENTERED WHEN THE TEMPERATURE RETURNS TO THAT RANGE.

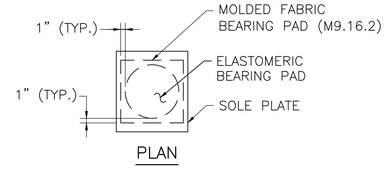
ELASTOMERIC BEARING PAD
NOT TO SCALE



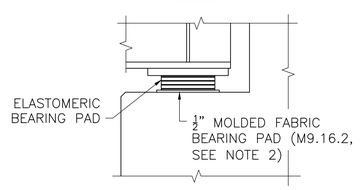
SOLE PLATE DETAIL (EAST ABUTMENT)
SCALE: 3" = 1'–0"



SOLE PLATE DETAIL (WEST ABUTMENT)
SCALE: 3" = 1'–0"



PLAN



ELEVATION

NOTES:

1. MOLDED FABRIC BEARING PADS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7000 PSI.
2. THE ½" MOLDED FABRIC BEARING PAD IS PROVIDED AS A TOLERANCE TO ALLOW THE CONTRACTOR TO CORRECT FOR ANY PLUS/MINUS DIFFERENCES IN THE ELEVATION OF THE BRIDGE SEATS. THE CONTRACTOR SHALL SET THE PBU AT THE CORRECT ELEVATION IF NEEDED BY EITHER REMOVING THE ½" MOLDED FABRIC BEARING PAD AND REPLACING IT WITH A THINNER SHIM PAD OR BY ADDING ADDITIONAL SHIM PADS. THE TOTAL THICKNESS OF THE BUILT–UP MOLDED FABRIC BEARING SHIM PADS SHALL NOT EXCEED THREE LAYERS NOR 2" IN OVERALL COMBINED THICKNESS.

SHIM STACK DETAILS
SCALE: ¾" = 1'–0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

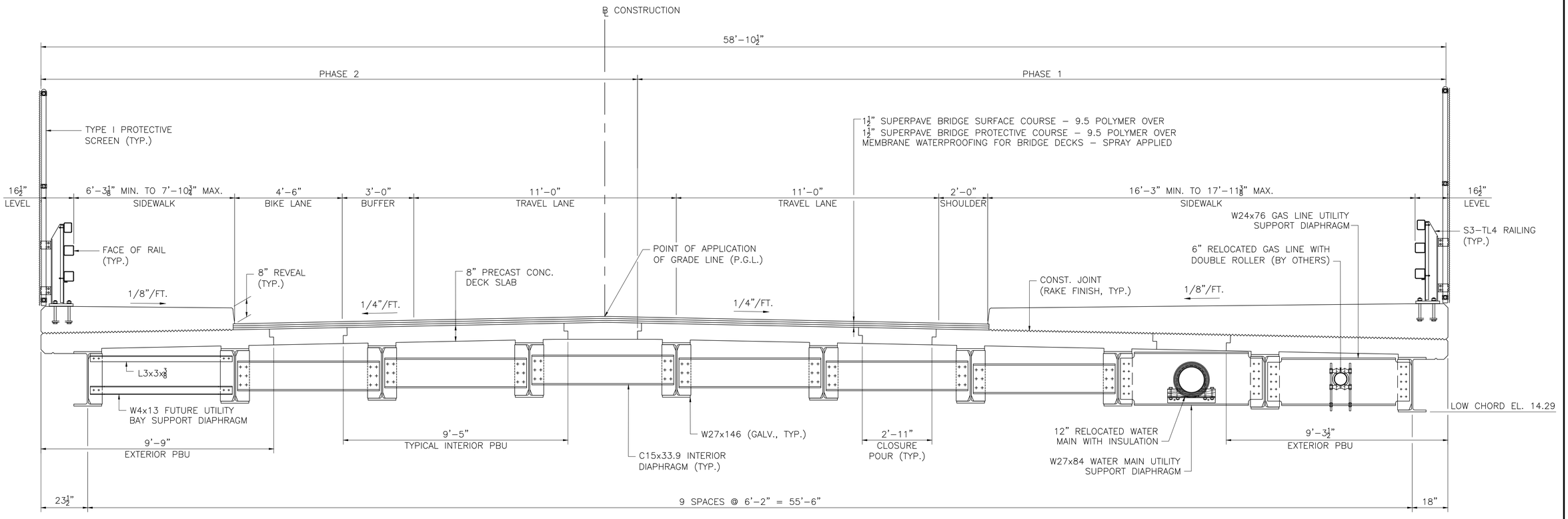
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AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

BEARING DETAILS.DWG Plotted on 31-Jul-2026 12:58 PM
8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	98	125
PROJECT FILE NO.	606352		

TRANSVERSE SECTION



TRANSVERSE SECTION

SCALE: ½" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

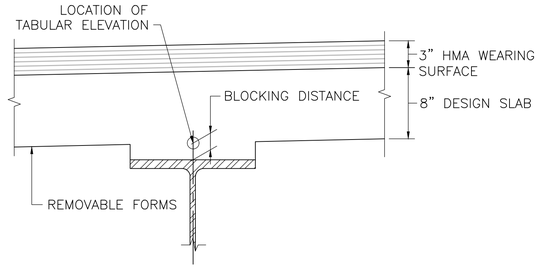
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TRANSVERSE SECTION.DWG Plotted on 31-Jul-2026 12:59 PM
8-August-2026 Final Structural Submittal (SF)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	99	125
PROJECT FILE NO.	606352		

DECK SECTIONS & DETAILS
NO. 1



HAUNCH DETAIL

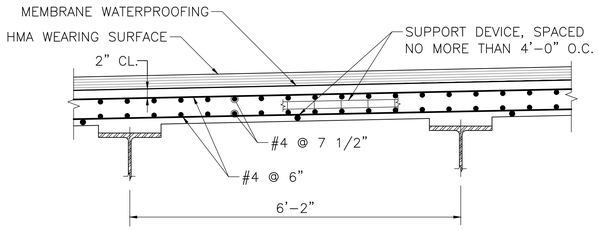
TOP OF FORM DETAILS

NOT TO SCALE

TOP OF FORM ELEVATIONS FOR DECK SLAB PRIOR TO PLACEMENT OF CONCRETE									
	INCREASING STATIONS								
GIRDER NO.	℄ BRG. W. ABUT	1/8 PT	1/4 PT	3/8 PT	1/2 PT	5/8 PT	3/4 PT	7/8 PT	℄ BRG. E. ABUT
1	17.16	17.19	17.22	17.23	17.23	17.20	17.16	17.10	17.03
2	17.28	17.32	17.34	17.35	17.34	17.32	17.28	17.22	17.15
3	17.40	17.44	17.46	17.47	17.46	17.44	17.40	17.34	17.28
4	17.53	17.56	17.58	17.59	17.58	17.56	17.52	17.46	17.40
5	17.65	17.68	17.70	17.71	17.70	17.68	17.64	17.58	17.52
6	17.78	17.80	17.82	17.83	17.82	17.80	17.76	17.71	17.64
7	17.72	17.76	17.79	17.81	17.82	17.80	17.77	17.72	17.66
8	17.59	17.64	17.67	17.69	17.69	17.67	17.64	17.59	17.54
9	17.47	17.51	17.54	17.56	17.56	17.55	17.52	17.47	17.41
10	17.35	17.39	17.42	17.44	17.44	17.42	17.39	17.35	17.29

NOTES:

AFTER THE BEAMS ARE ERECTED BUT BEFORE THE FORMS ARE BUILT, ELEVATIONS ON TOP OF THE FLANGE OF THE BEAMS ARE TO BE OBTAINED AT THE POINTS INDICATED IN THE TABLE. THE DIFFERENCE BETWEEN THE ELEVATIONS OBTAINED AND THOSE SHOWN IN THE TABLE GIVES THE ACTUAL BLOCKING DISTANCE FROM THE TOP OF BEAM TO THE BOTTOM OF THE SLAB AT CENTER LINE OF BEAM.

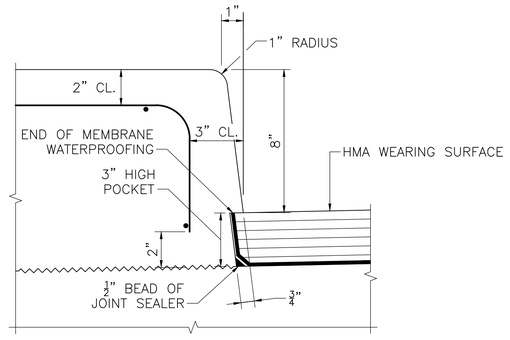


NOTES:

1. LONGITUDINAL REINFORCEMENT SHALL BE PLACED PARALLEL TO THE ℄ OF CONSTRUCTION.
   TRANSVERSE (PRIMARY) REINFORCEMENT SHALL BE PLACED PERPENDICULAR TO THE ℄ OF CONSTRUCTION.
2. ALL REINFORCEMENT AND SUPPORT DEVICES SHALL BE COATED.
3. THE FINISHED SURFACE OF BRIDGE DECK SHALL BE SMOOTH AND WITHOUT ANY PROJECTIONS THAT COULD PUNCTURE THE MEMBRANE WATERPROOFING OR DEPRESSIONS THAT COULD RETAIN WATER.

TYPICAL DECK REINFORCEMENT

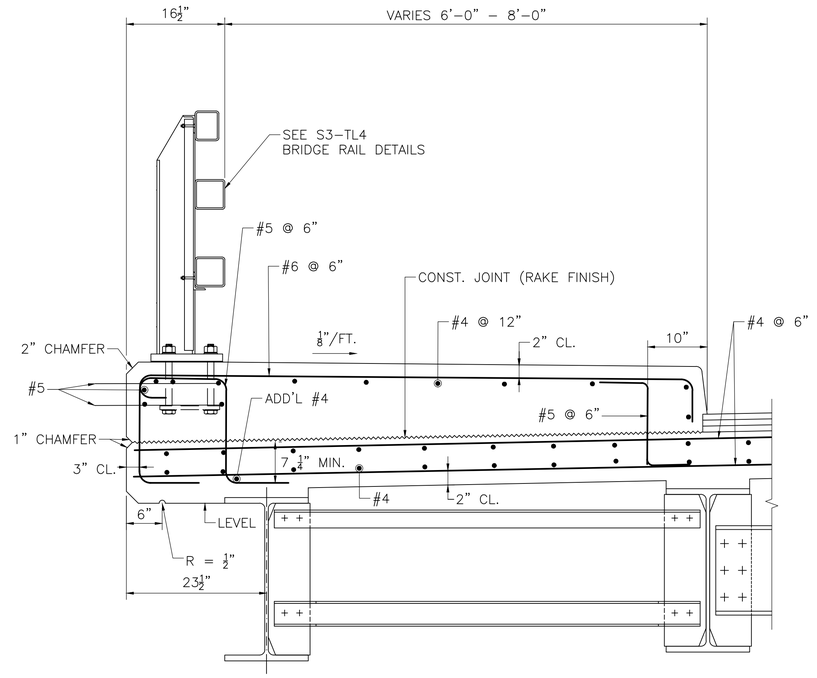
SCALE: 3/4" = 1'-0"



1. TURN MEMBRANE UP INTO 3" HIGH POCKET.
2. DIMENSIONS AT THE FACE OF CURB ARE THE SAME FOR THE SAFETY CURB.

FACE OF SIDEWALK CURB DETAILS

SCALE: 3" = 1'-0"



NOTES:

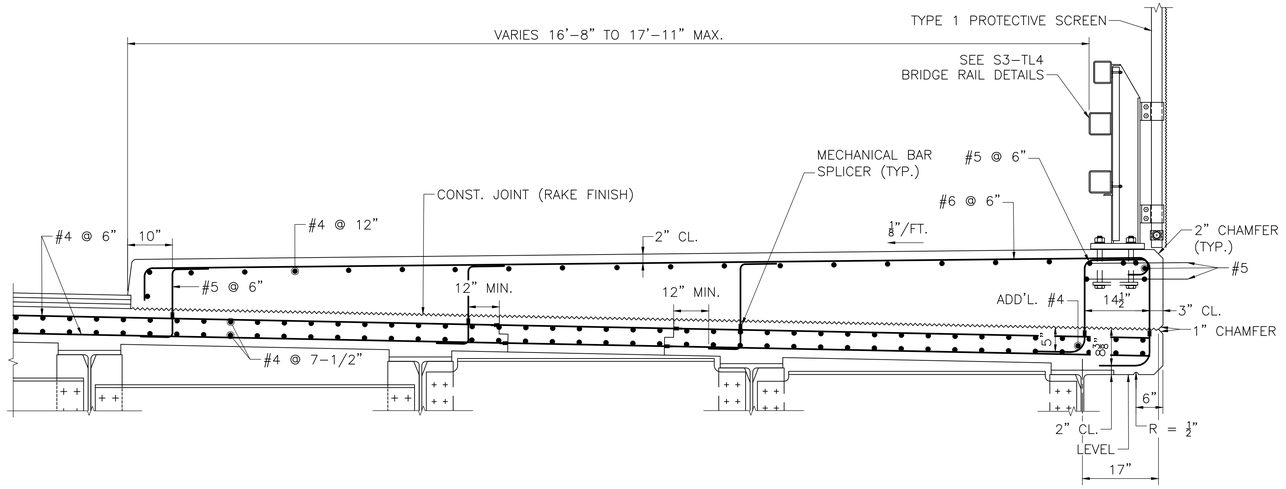
1. C.I.P. SIDEWALK SHALL BE 5000 PSI, HP CEMENT CONCRETE.

SECTION THRU NORTH SIDEWALK

SCALE: 1" = 1'-0"

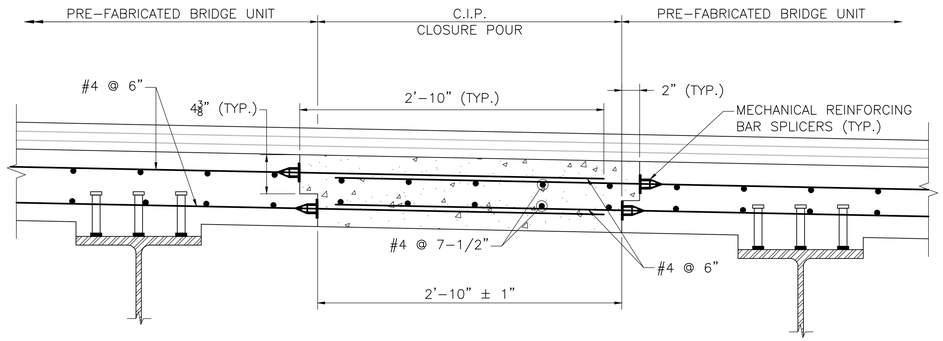
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT AUTHORIZED SIGNATORY:	STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE	

DECK SECTIONS & DETAILS NO. 2.DWG Plotted on 31-Jul-2026 12:59 PM
Final Structural Submittal (SF) 8-August-2026



SECTION THRU SOUTH SIDEWALK

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



NOTE:

REINFORCING BARS EXTENDING FROM THE EDGE OF DECK MAY BE USED IN LIEU OF MECHANICAL REINFORCING BAR SPLICERS

CAST-IN-PLACE CLOSURE POUR - DETAILS

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

CAST-IN-PLACE CLOSURE POUR NOTES:

1. THE EDGE SURFACE OF THE PRECAST CONCRETE DECK PANELS SHALL BE BLAST CLEANED AND WETTED WITH CLEAN WATER, IMMEDIATELY PRIOR TO PLACING CLOSURE POUR CONCRETE.

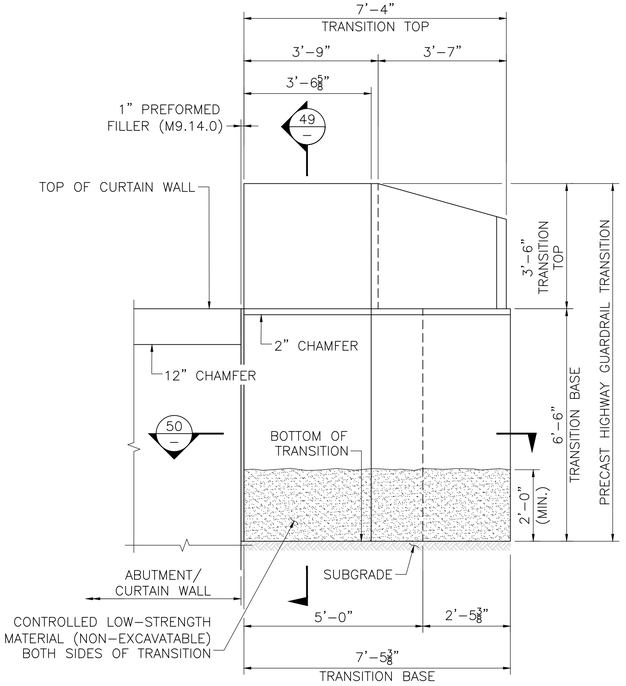
2. CLOSURE POUR CONCRETE SHALL BE 5000 PSI, HP CEMENT CONCRETE.

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

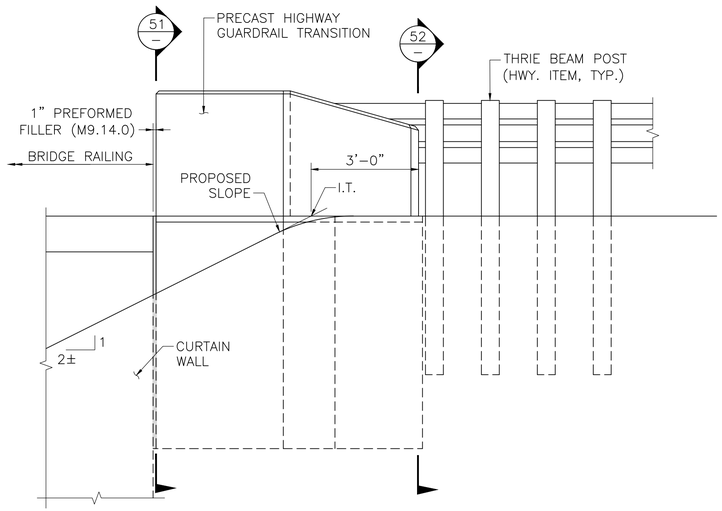
USE ONLY PRINTS OF LATEST DATE

DECK SECTIONS & DETAILS NO. 2.DWG Plotted on 31-Jul-2026 12:59 PM
8-August-2026 Final Structural Submittal (SF)



PRECAST GUARDRAIL TRANSITION ELEVATION NORTHWEST CORNER ONLY

SCALE: $\frac{1}{2}$" = 1'-0"



GRADING REQUIREMENTS ELEVATION

SCALE: $\frac{1}{2}$" = 1'-0"

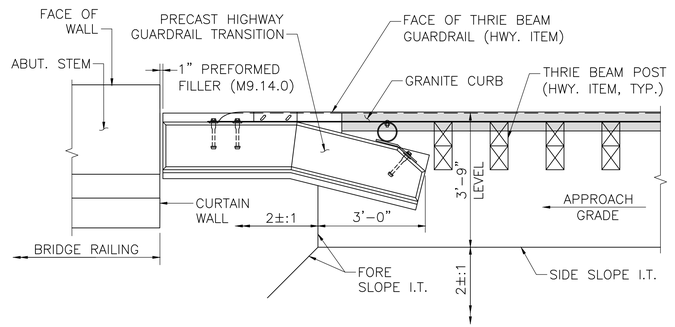
NOTES:

1. GRAVEL BORROW SHALL BE PLACED AND THOROUGHLY COMPACTED TO THE GRADE OF 3" (MIN.) BELOW THE INTENDED BOTTOM OF THE 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.
2. CONTRACTOR SHALL SET THE PRECAST GUARDRAIL TRANSITION TO THE REQUIRED ELEVATION AND ALIGNMENT, AND BACKFILL GUARDRAIL TRANSITION WITH CONTROLLED LOW-STRENGTH MATERIAL (NON-EXCAVATABLE) TO THE ELEVATION SHOWN.

WAREHAM
US 6 WB & ST 28 NB

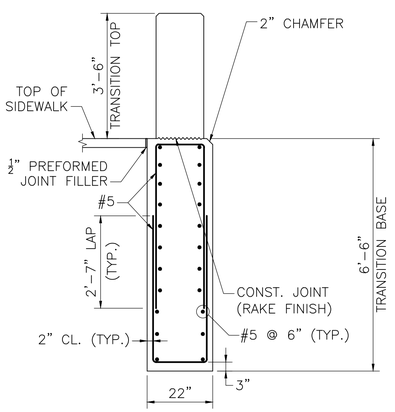
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	101	125
PROJECT FILE NO. 606352			

GUARDRAIL TRANSITIONS NO. 1



GRADING REQUIREMENTS PLAN

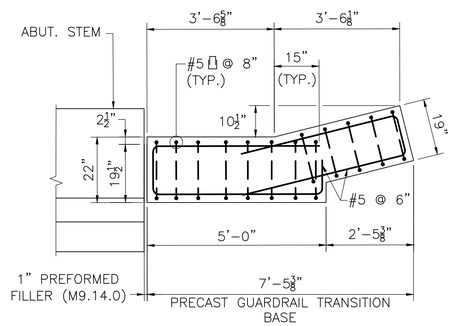
SCALE: $\frac{1}{2}$" = 1'-0"



NOTE:

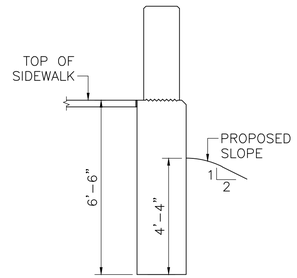
1. REINFORCEMENT OF THE TRANSITION TOP IS NOT SHOWN FOR CLARITY.

SECTION 49
SCALE: $\frac{1}{2}$" = 1'-0"

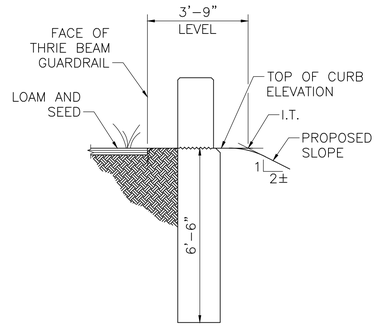


NOTE:
WINGWALL REINFORCEMENT AND STRIATIONS NOT SHOWN FOR CLARITY.

SECTION 50
SCALE: $\frac{1}{2}$" = 1'-0"



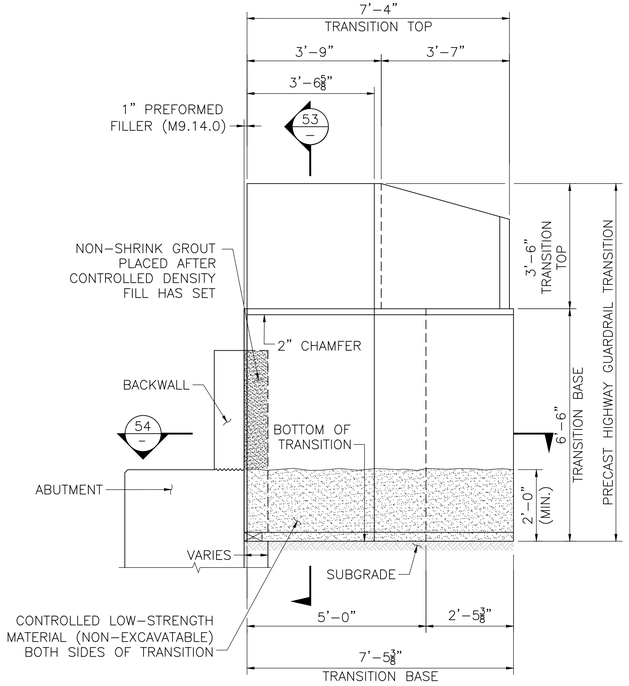
SECTION 51
SCALE: $\frac{3}{8}$" = 1'-0"



SECTION 52
SCALE: $\frac{3}{8}$" = 1'-0"

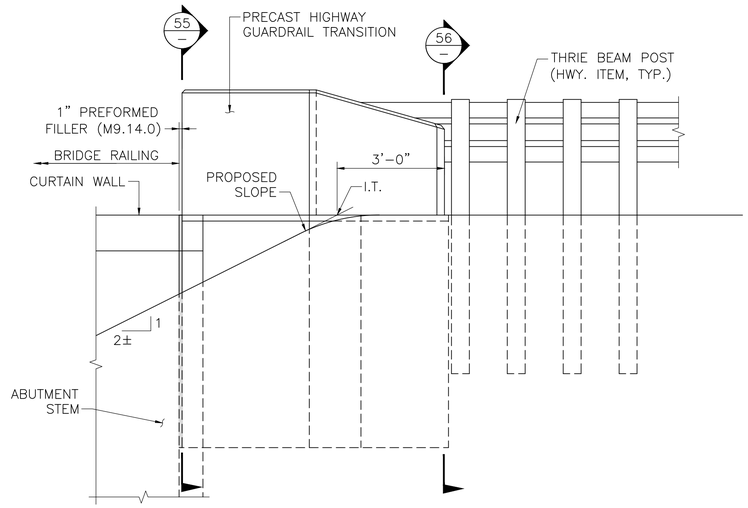
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT AUTHORIZED SIGNATORY:	STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE	

GUARDRAIL TRANSITIONS NO. 2.DWG Plotted on 31-Jul-2026 12:59 PM
Final Structural Submittal (SF) 8-August-2026



PRECAST GUARDRAIL TRANSITION ELEVATION

SCALE: $\frac{1}{2}$" = 1'-0"



GRADING REQUIREMENTS ELEVATION

SCALE: $\frac{1}{2}$" = 1'-0"

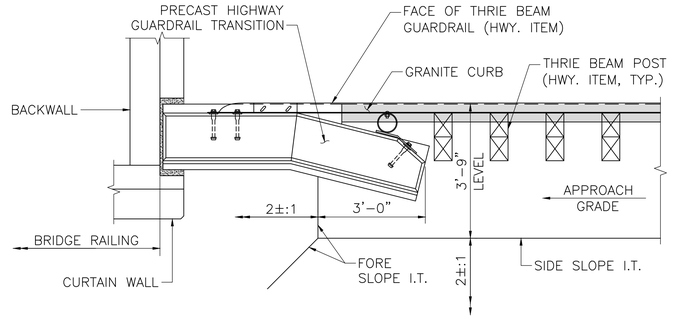
NOTES:

1. GRAVEL BORROW SHALL BE PLACED AND THOROUGHLY COMPACTED TO THE GRADE OF 3" (MIN.) BELOW THE INTENDED BOTTOM OF THE 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.
2. CONTRACTOR SHALL SET THE PRECAST GUARDRAIL TRANSITION TO THE REQUIRED ELEVATION AND ALIGNMENT, AND BACKFILL GUARDRAIL TRANSITION WITH CONTROLLED LOW-STRENGTH MATERIAL (NON-EXCAVATABLE) TO THE ELEVATION SHOWN.

WAREHAM
US 6 WB & ST 28 NB

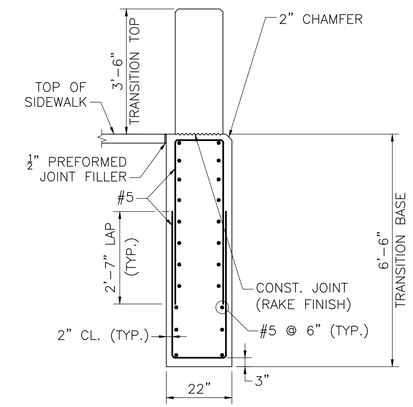
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	102	125
PROJECT FILE NO. 606352			

GUARDRAIL TRANSITIONS NO. 2



GRADING REQUIREMENTS PLAN

SCALE: $\frac{1}{2}$" = 1'-0"

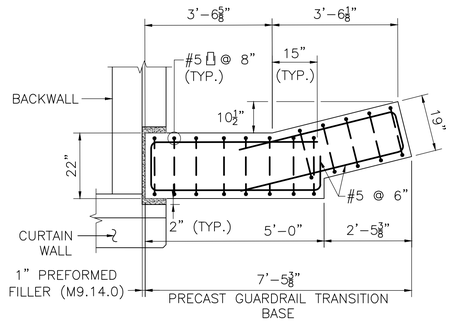


NOTE:

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

SECTION 53

SCALE: $\frac{1}{2}$" = 1'-0"

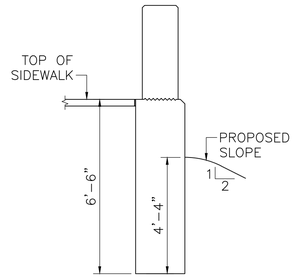


NOTE:

WINGWALL REINFORCEMENT AND STRIATIONS NOT SHOWN FOR CLARITY.

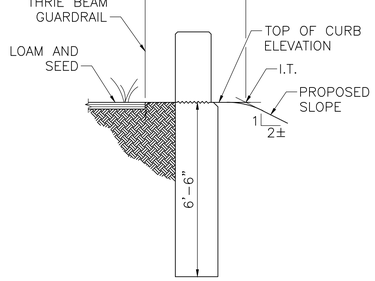
SECTION 54

SCALE: $\frac{1}{2}$" = 1'-0"



SECTION 55

SCALE: $\frac{3}{8}$" = 1'-0"



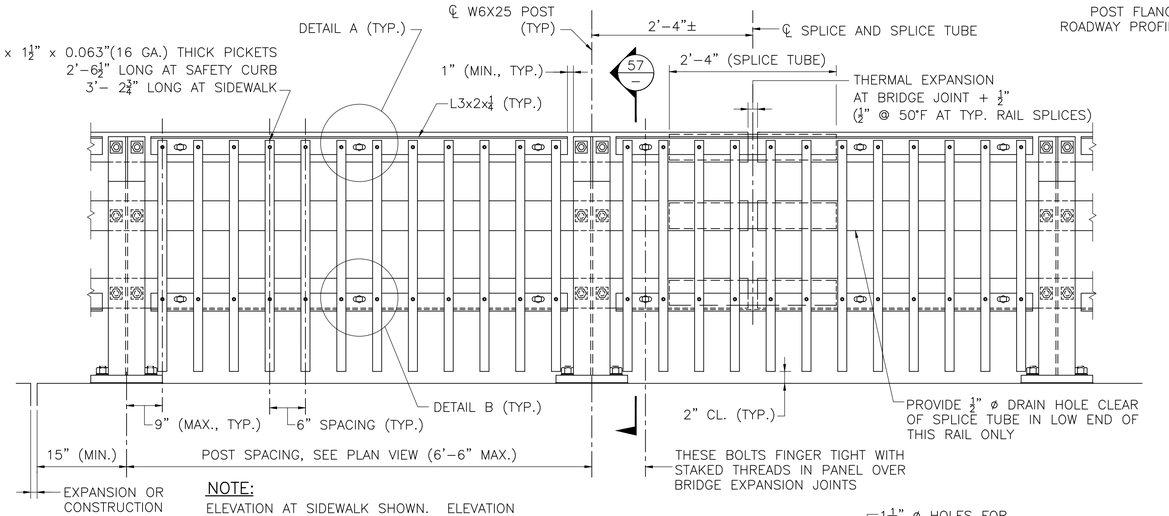
SECTION 56

SCALE: $\frac{3}{8}$" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

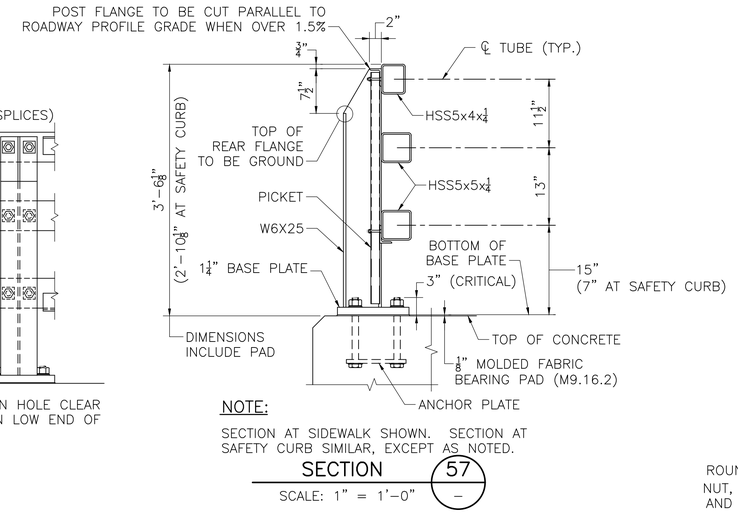
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

GUARDRAIL TRANSITIONS NO. 2.DWG Plotted on 31-Jul-2026 12:59 PM
8-August-2026 Final Structural Submittal (SF)



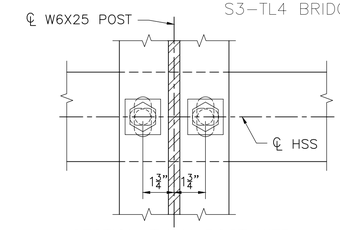
NOTE:
ELEVATION AT SIDEWALK SHOWN. ELEVATION AT SAFETY CURB SIMILAR, EXCEPT AS NOTED.

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

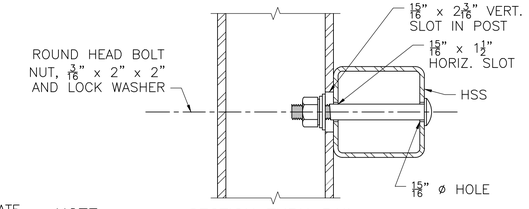


NOTE:
SECTION AT SIDEWALK SHOWN. SECTION AT SAFETY CURB SIMILAR, EXCEPT AS NOTED.

SECTION 57 –
SCALE: 1" = 1'-0"



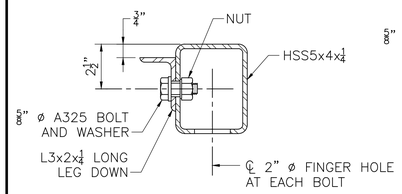
SECTION THRU POST WEB
SCALE: 1" = 4'-0"



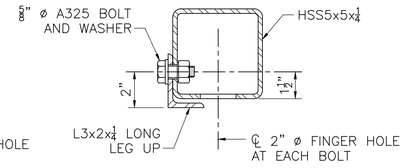
NOTE:
CONNECTIONS AT LOWER RAILS SHOWN. CONNECTIONS AT TOP RAIL SIMILAR.

SECTION THRU RAIL

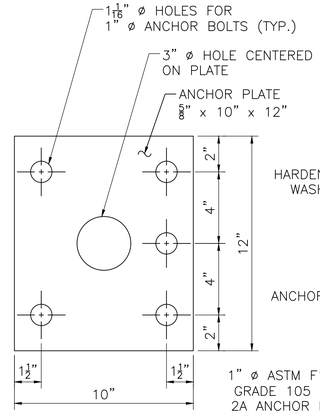
TYPICAL RAIL TO POST CONNECTIONS
SCALE: 1" = 1'-0"



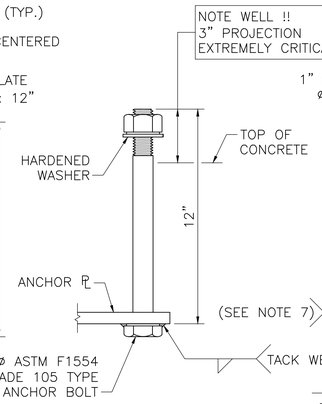
SECTION 58 –
SCALE: 3" = 1'-0"



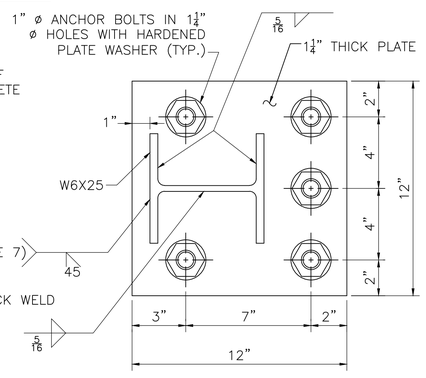
SECTION 60 –
SCALE: 3" = 1'-0"



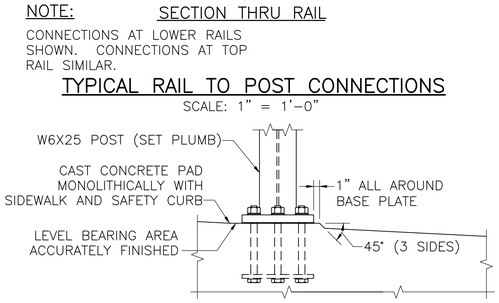
ANCHOR PLATE
SCALE: 3" = 1'-0"



ANCHOR BOLT
SCALE: 3" = 1'-0"



BASE PLATE
SCALE: 3" = 1'-0"



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

SECTION 59 –
SCALE: 3" = 1'-0"

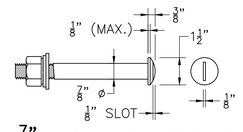
SECTION 61 –
SCALE: 3" = 1'-0"

DETAIL A DETAIL B

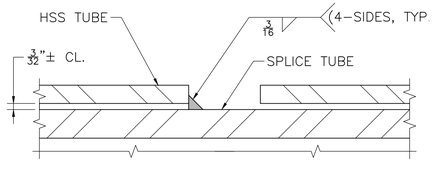
TYPICAL PICKET TO RAIL DETAILS
SCALE: 3" = 1'-0"

RAILING NOTES:

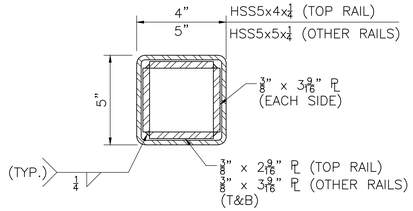
1. RAIL POST AND BASE PLATES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 270 GRADE 50. HOLLOW RAILING STRUCTURAL TUBING (HSS) SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 500 WITH A CERTIFIED Fy = 50 KSI MINIMUM. THE MINIMUM HORIZONTAL BENDING RADII OF THE HSS TUBING SHALL BE 8 FEET. PICKET CARRIER 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.



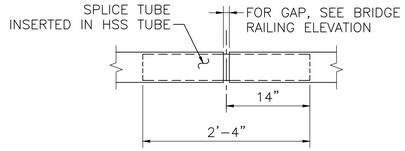
⅞" ø ROUND HEAD BOLT
SCALE: 3" = 1'-0"



SPLICE DETAIL
FULL SIZE



SPLICE TUBE DETIALS
SCALE: 3" = 1'-0"



TYPICAL SPLICE
SCALE: 1" = 1'-0"

DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

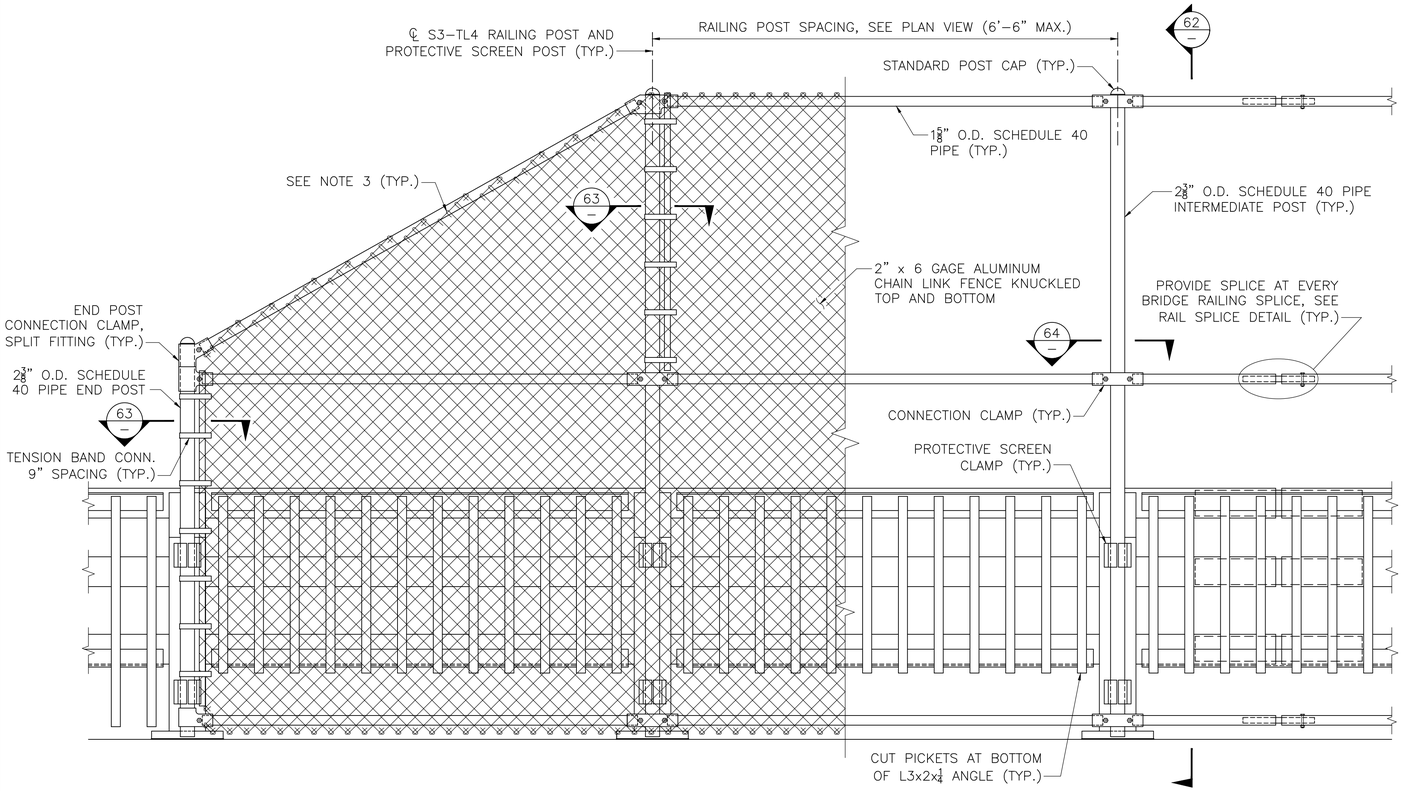
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

WAREHAM
US 6 WB & ST 28 NB

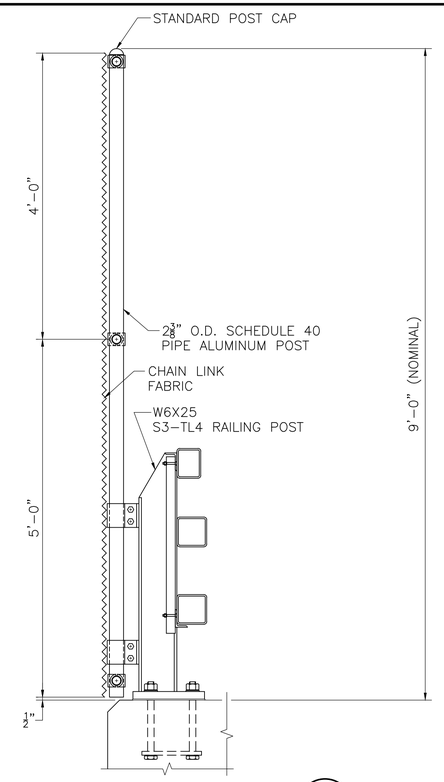
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	103	125
	PROJECT FILE NO. 606352		

S3-TL4 BRIDGE RAIL DETAILS

S3-TL4 BRIDGE RAIL DETAILS.DWG Plotted on 31-Jul-2026 12:59 PM
8-August-2026
Final Structural Submittal (SF)



ELEVATION
SCALE: 1" = 1'–0"

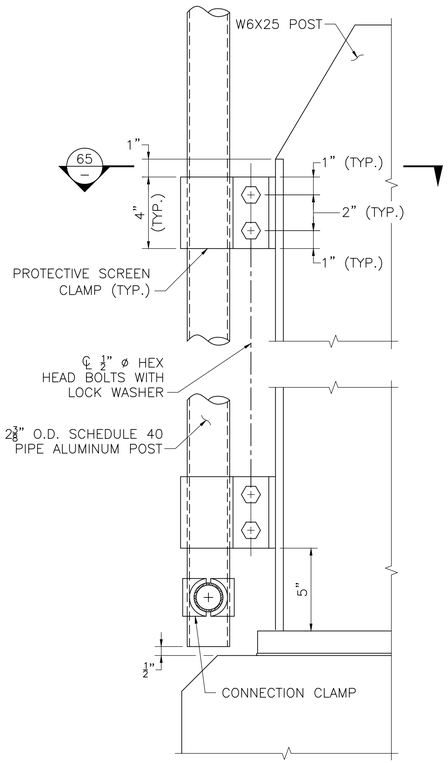


SECTION 62
SCALE: 1" = 1'–0"

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)–003S(925)X	104	125
	PROJECT FILE NO. 606352		

PROTECTIVE SCREEN TYPE I



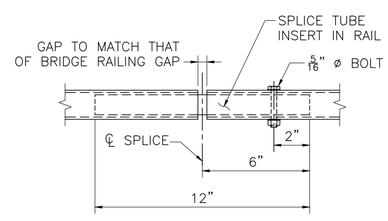
ELEVATION – PROTECTIVE SCREEN CLAMPS
SCALE: 3" = 1'–0"

GENERAL NOTES:

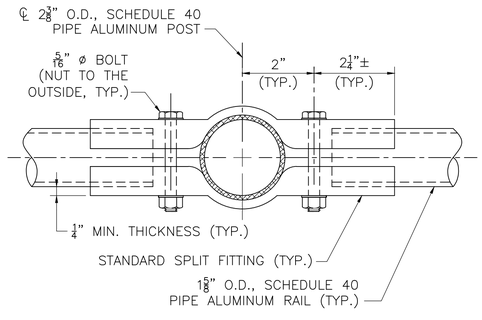
1. USE 6 GAGE TIES AT 12" O.C. TO ALL POSTS AND TOP 2 RAILS. SPACE TIES TO BOTTOM RAIL AT 6" O.C.
2. ALL ALUMINUM, INCLUDING HARDWARE AND FABRIC, SHALL RECEIVE A 4±1 MIL POLYESTER POWDER COAT FINISH. THE COLOR SHALL MATCH THE COLOR OF THE S3–MTL4 RAILING.
3. THE CHAIN LINK FABRIC SHALL BE SECURED BY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

MATERIALS:

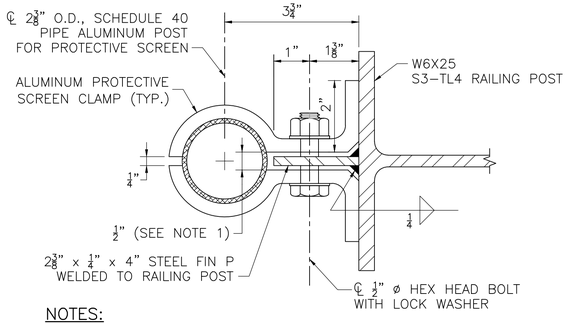
POST AND RAILS	ASTM B 221, ALLOY 6061–T6, SCHEDULE 40 PIPE
TENSION BARS, RAIL SPLICES, WASHERS, AND POST CONN. CLAMPS	ASTM B 221, ALLOY 6061–T6
FABRIC AND TIES	AASHTO M 181 TYPE III, ALLOY 6061–T89 OR T94; 6 GAGE
TENSION BANDS	ASTM B 221, ALLOY 6063–T5
BOLTS	ASTM B 316, ALLOY 2024–T4
NUTS	ASTM B 316,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



RAIL SPLICE
SCALE: 3" = 1'–0"



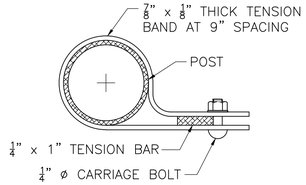
SECTION 64
SCALE: 6" = 1'–0"



NOTES:

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

SECTION 65
SCALE: 6" = 1'–0"



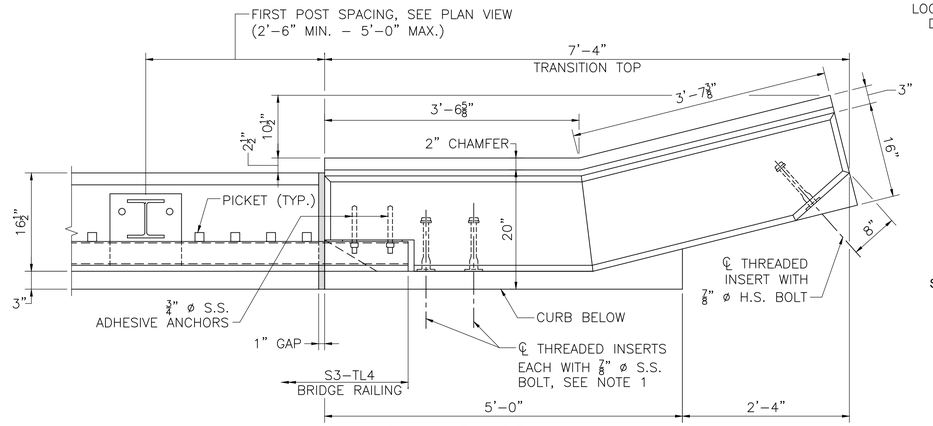
SECTION 63
SCALE: 6" = 1'–0"

TYPE I PROTECTIVE SCREEN

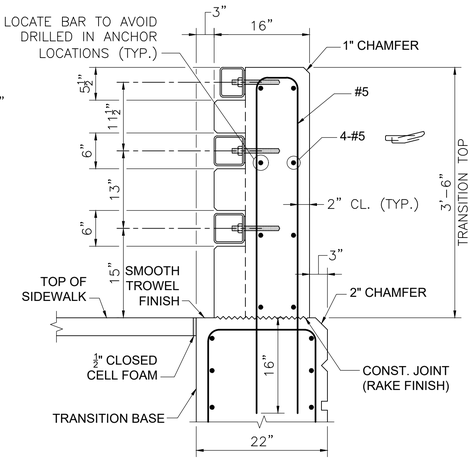
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

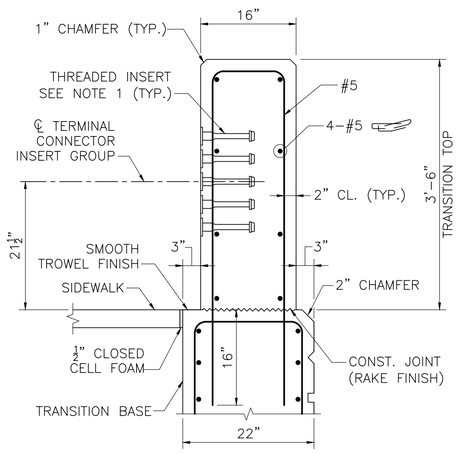
PROTECTIVE SCREEN TYPE I.DWG Plotted on 31-Jul-2026 1:00 PM
8-August-2026
Final Structural Submittal (SF)



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



SECTION 67
SCALE: 1" = 1'-0"

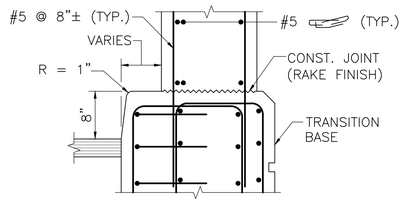


SECTION 68
SCALE: 1" = 1'-0"

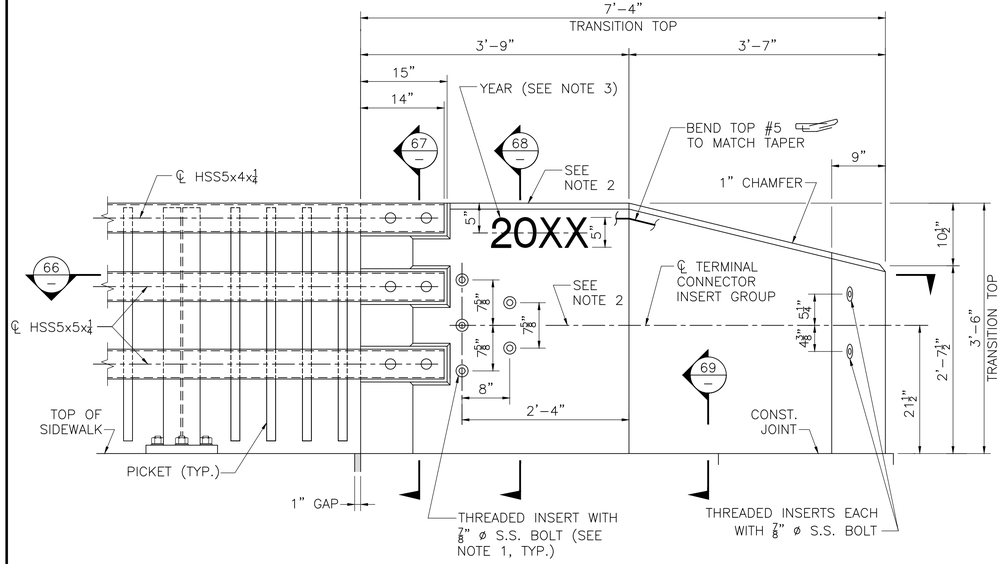
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	105	125
	PROJECT FILE NO. 606352		

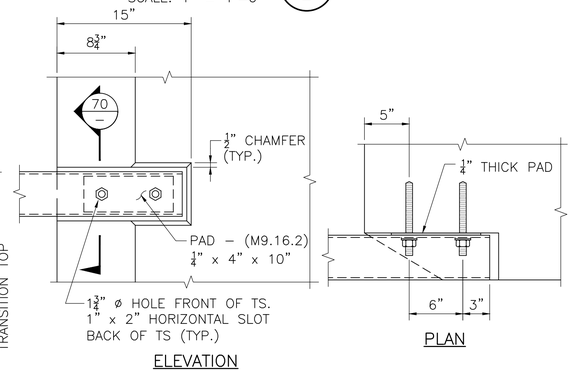
TOP OF PRECAST HIGHWAY
GUARDRAIL TRANSITION



SECTION 69
SCALE: 1" = 1'-0"



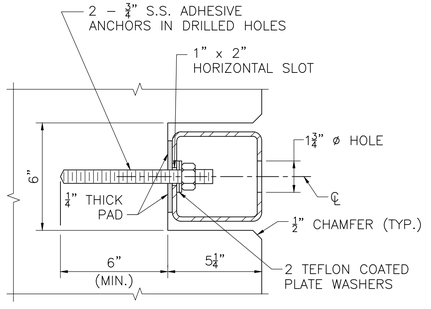
ELEVATION AT SIDEWALK
SCALE: 1" = 1'-0"



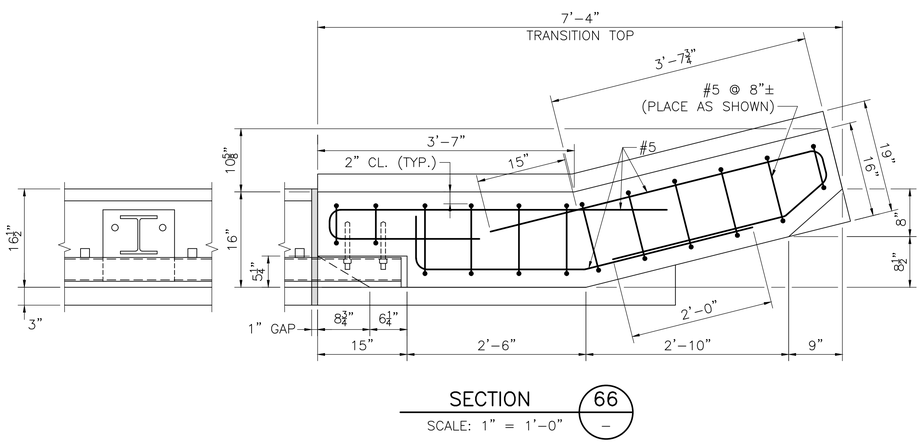
ELEVATION

PLAN

RAIL ATTACHMENT
SCALE: 1½" = 1'-0"



SECTION 70
SCALE: 3" = 1'-0"



SECTION 66
SCALE: 1" = 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. 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.

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

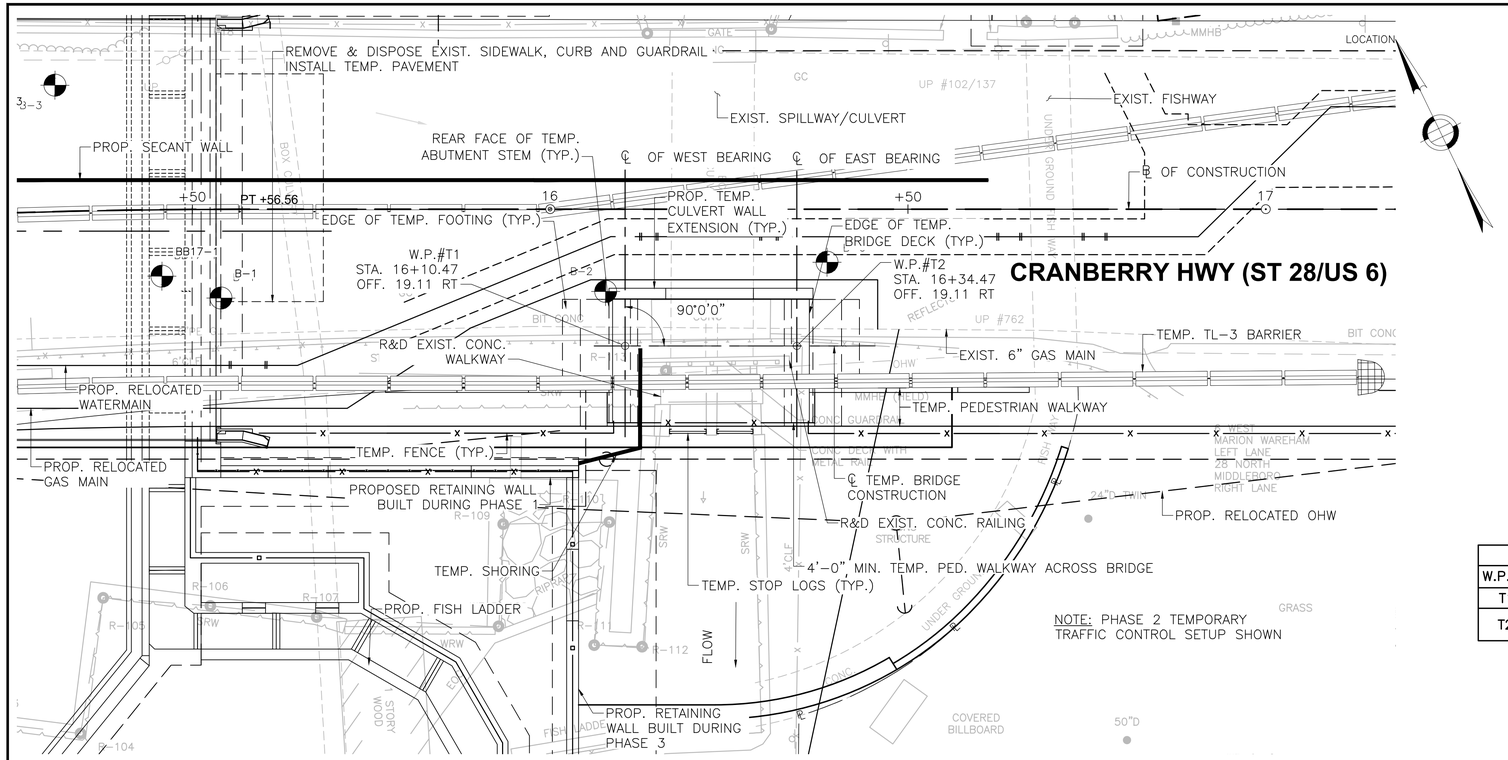
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

TOP OF PRECAST HIGHWAY GUARDRAIL TRANSITION.DWG Plotted on 31-Jul-2026 1:00 PM
Final Structural Submittal (SF) 8-August-2026

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	106	125
PROJECT FILE NO.	606352		

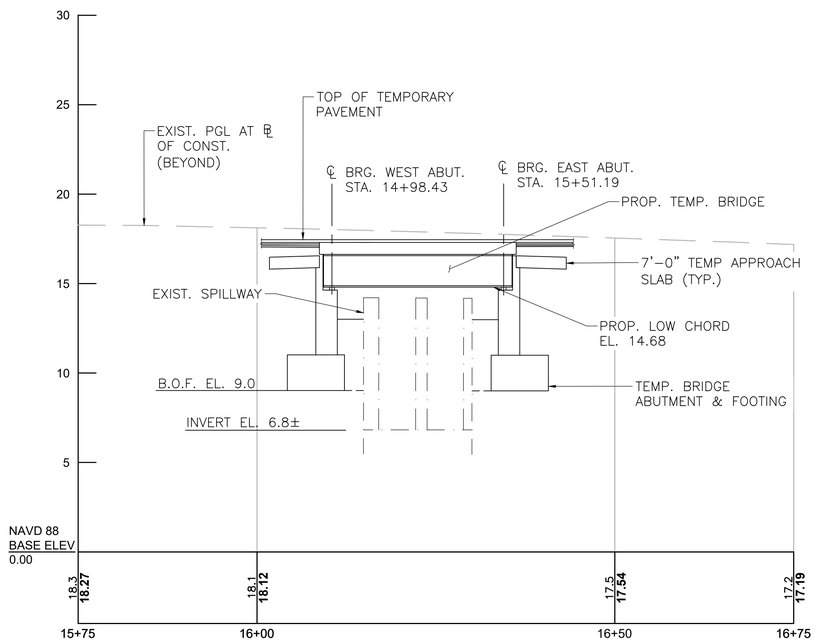
TEMP. BRIDGE KEY PLAN & PROFILES



KEY PLAN

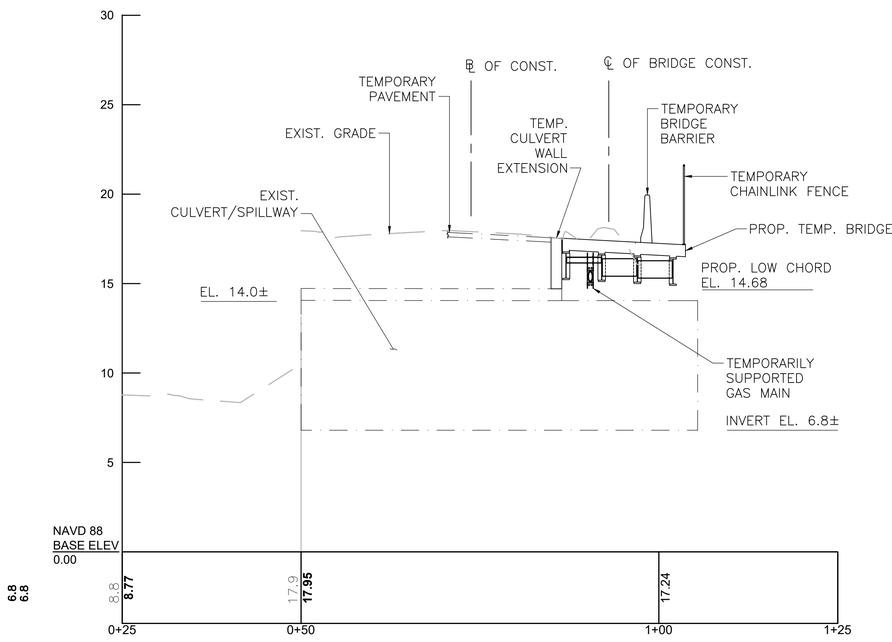
SCALE: 1" = 10'

CONSTRUCTION WORKING POINTS			
W.P. #	STATION	NORTHING	EASTING
T1	16+10.47	N2739563.874	E880997.456
T2	16+34.47	N2739553.636	E881019.163



PROFILE – US 6 WB & ST 28 NB

HORIZONTAL 1"=10'
VERTICAL 1"=4'



PROFILE – SLAB/SPILLWAY

HORIZONTAL 1"=10'
VERTICAL 1"=4'

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

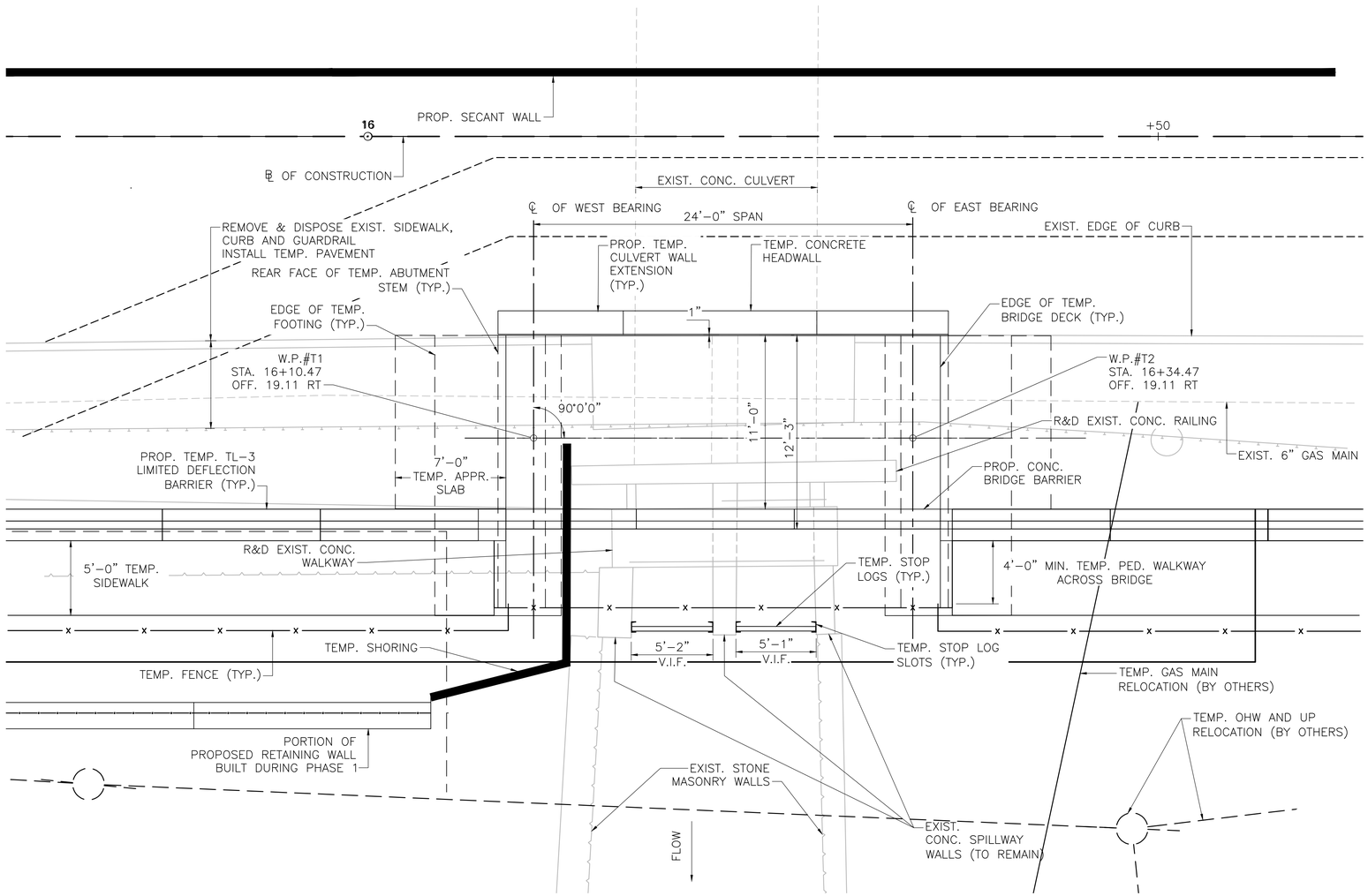
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

606352_TBR1.DWG Plotted on 31-Jul-2026 1:00 PM

8-August-2026 Final Structural Submittal (SF)

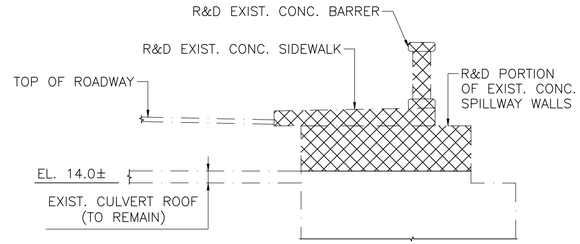
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	107	125
PROJECT FILE NO. 606352			

TEMP BRIDGE GENERAL PLAN AND LONG. SECTION



TEMPORARY BRIDGE PLAN

SCALE: 1" = 4'

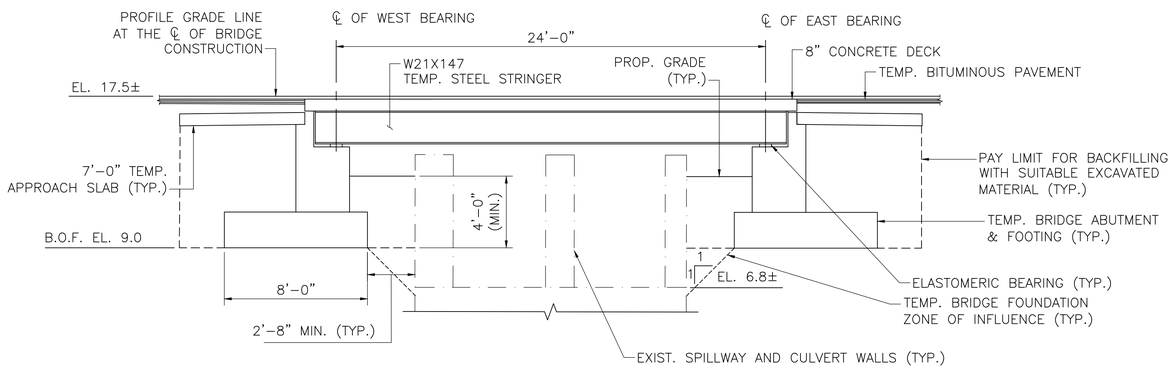


TEMPORARY BRIDGE DEMOLITION LIMITS

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

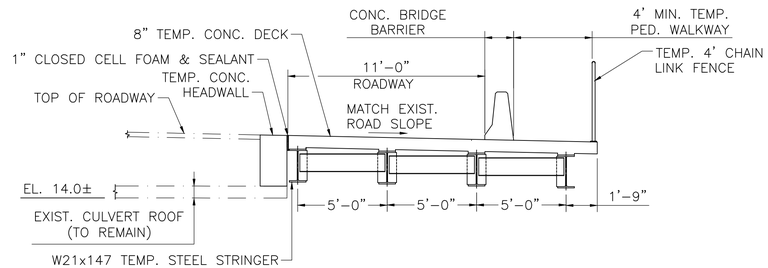
NOTES:

1. V.I.F. – VERIFY IN FIELD BY CONTRACTOR PRIOR TO FABRICATION.



TEMPORARY BRIDGE LONGITUDINAL SECTION

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



TEMPORARY BRIDGE TRANSVERSE SECTION

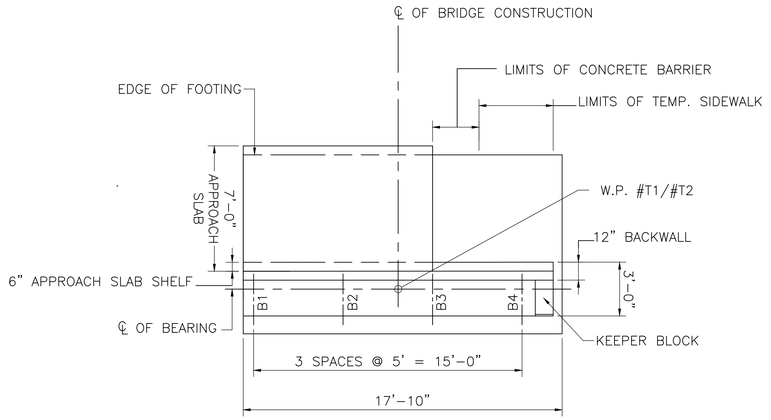
SCALE: $\frac{1}{4}$" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

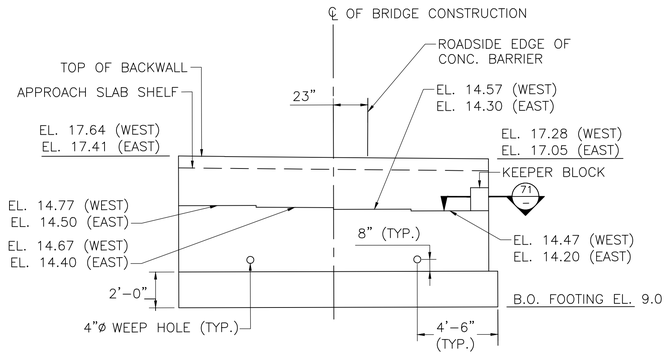
USE ONLY PRINTS OF LATEST DATE

TEMP BRIDGE GENERAL PLAN AND LONG. SECTION.DWG Plotted on 31-Jul-2026 1:01 PM
8-August-2026
Final Structural Submittal (SF)



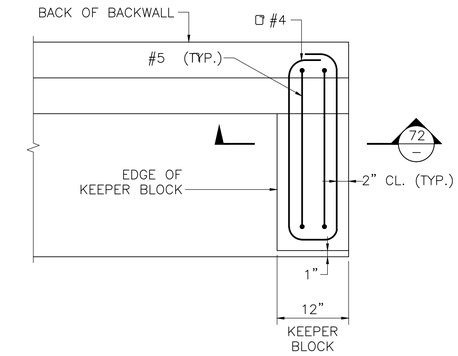
TYPICAL ABUTMENT PLAN

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



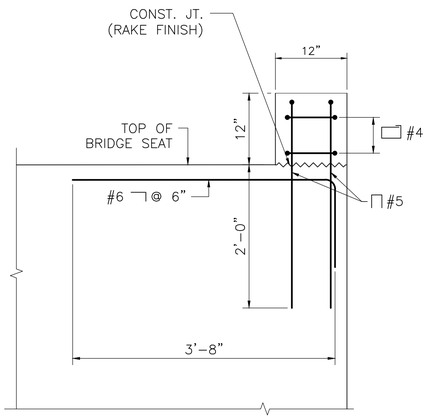
TYPICAL ABUTMENT ELEVATION

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



SECTION 71

SCALE: 1" = 1'-0"



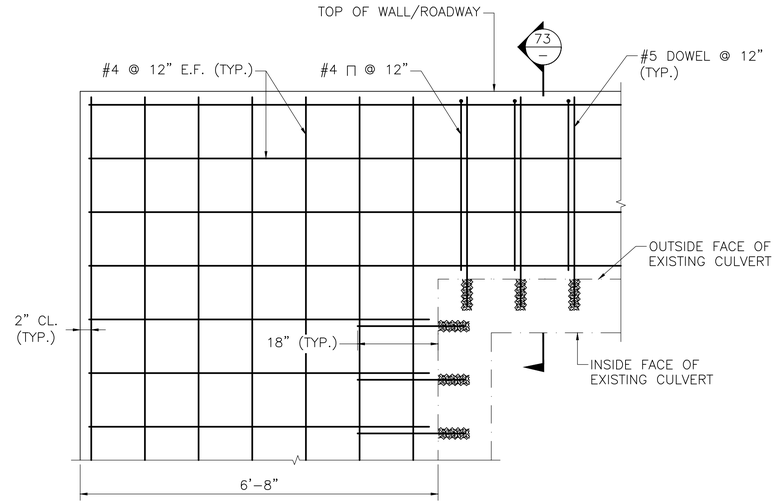
SECTION 72

SCALE: 1" = 1'-0"

NOTES:

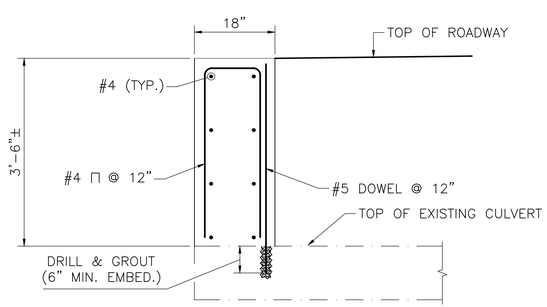
1. TOP OF KEEPER BLOCK SHALL BE TROWELED SMOOTH PARALLEL TO PROFILE GRADE.
2. ABUTMENT REINFORCEMENT BELOW CONSTRUCTION JOINT HAS BEEN OMITTED FOR CLARITY.

KEEPER BLOCK DETAILS



TYPICAL WALL EXTENSION FOR EXISTING CULVERT

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



SECTION 73

SCALE: 1" = 1'-0"

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	108	125
PROJECT FILE NO. 606352			

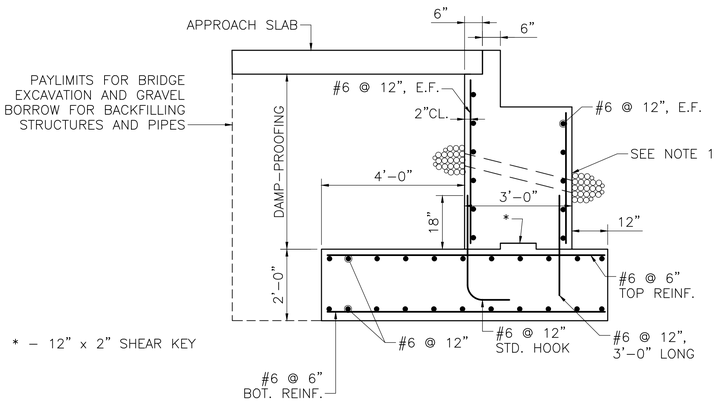
TEMP. BRIDGE ABUTMENT PLAN AND ELEVATION

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

USE ONLY PRINTS OF LATEST DATE

TEMP. BRIDGE ABUTMENT PLAN AND ELEVATION.DWG Plotted on 31-Jul-2026 1:01 PM
Final Structural Submittal (SF) 8-August-2026



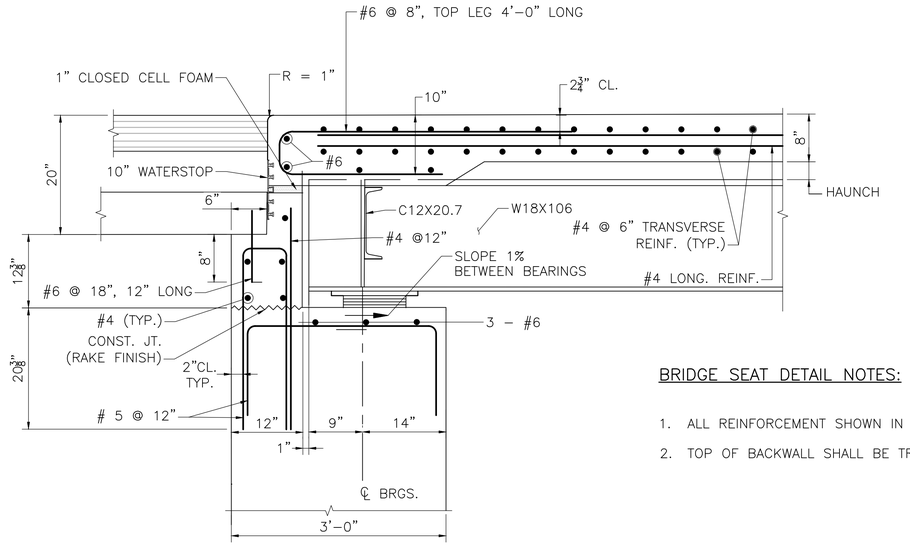
TEMPORARY BRIDGE ABUTMENT SECTION

SCALE: $\frac{1}{2}$" = 1'-0"

ABUTMENT SECTION NOTES:

1. 4" ø WEEP HOLES 10'-0" O.C.. PROVIDE 1 CUBIC YARD OF CRUSHED STONE AT EACH END OF WEEP HOLE.
2. THE FACTORED BEARING PRESSURE = 4.62 KSF AS PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS STRENGTH I LOAD COMBINATION.

   FACTORED BEARING RESISTANCE = 5.97 KSF. FACTORED BEARING RESISTANCE IS THE PRODUCT OF THE NOMINAL BEARING RESISTANCE AND A RESISTANCE FACTOR OF 0.45.

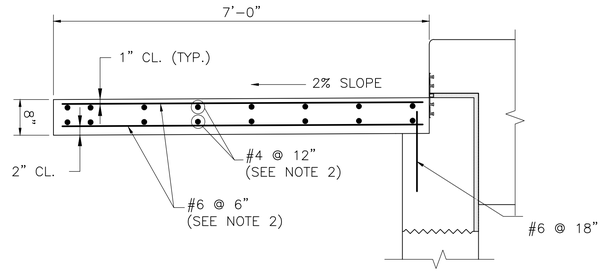


TEMPORARY BRIDGE BRIDGE SEAT DETAIL

SCALE: 1" = 1'-0"

BRIDGE SEAT DETAIL NOTES:

1. ALL REINFORCEMENT SHOWN IN THIS DETAIL SHALL BE UNCOATED.
2. TOP OF BACKWALL SHALL BE TROWELED SMOOTH PARALLEL TO THE PROFILE GRADE.



NOTE:

PLACE LONGITUDINAL REINFORCEMENT PERPENDICULAR TO ABUTMENT.
PLACE TRANSVERSE REINFORCEMENT PARALLEL TO ABUTMENT.

APPROACH SLAB DETAILS

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

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	109	125
PROJECT FILE NO.	606352		

TEMP BRIDGE ABUTMENT AND BEAM SEAT SECTIONS

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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

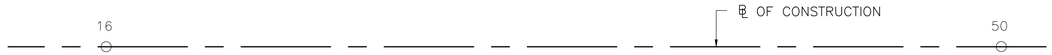
USE ONLY PRINTS OF LATEST DATE

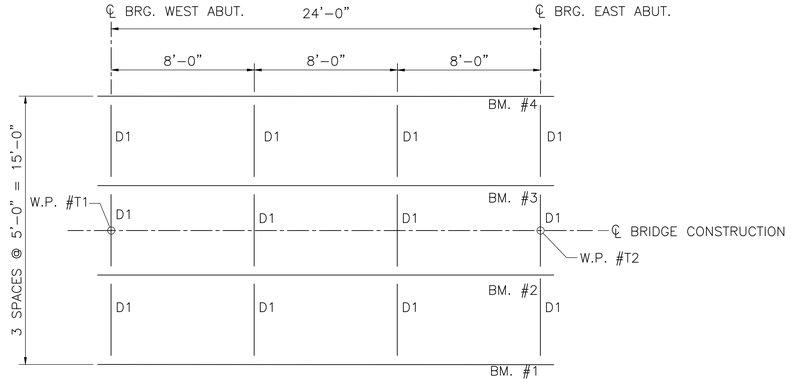
TEMP BRIDGE ABUTMENT AND BEAM SEAT SECTIONS.DWG Plotted on 31-Jul-2026 1:01 PM
8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	110	125
	PROJECT FILE NO. 606352		

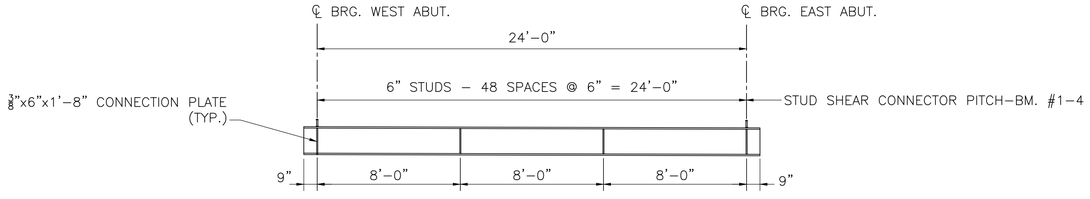
TEMP. BRIDGE FRAMING PLAN & STEEL DETAILS





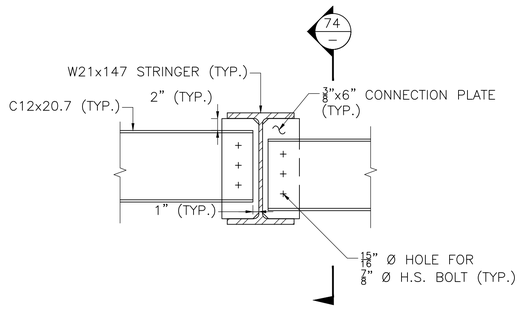
NOTES:
D1 = C12x20.7 (TYP. DIAPHRAGM).
U1 = W4X13 TYPICAL UTILITY SUPPORT
SEE SHEET 58 FOR DIAPHRAGM AND UTILITY SUPPORT DETAILS.
THE MAIN LOAD CARRYING MEMBERS ARE BM. #1 – BM. #4.
ALL STEEL SHALL CONFORM TO AASHTO M 270 GRADE 50.

FRAMING PLAN
SCALE: $\frac{1}{4}$" = 1'-0"

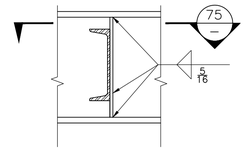


NOTES:
1. ALL INTERMEDIATE STIFFENERS SHALL BE PERPENDICULAR TO THE WEB AND TO THE STRINGER FLANGES.
2. ALL BEARING STIFFENERS SHALL BE PLUMB.
3. ENDS OF BEAMS SHALL BE FABRICATED SO THAT UNDER FULL DEAD LOADS THE ENDS WILL BE PLUMB.

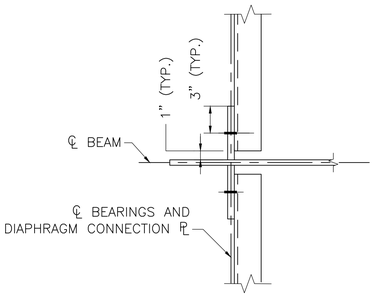
STRINGER ELEVATION
SCALE: $\frac{1}{4}$" = 1'-0"



ELEVATION VIEW



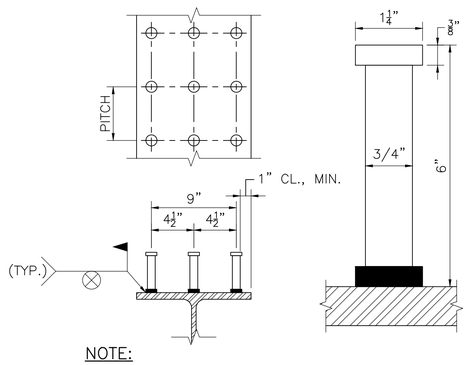
SECTION 74
SCALE: 1" = 1'-0"



SECTION 75
SCALE: 1½" = 1'-0"

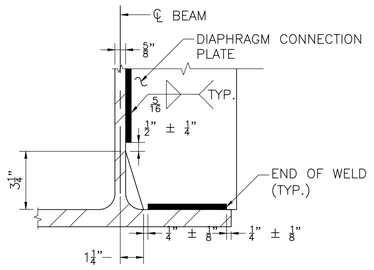
NOTE:
SEE DIAPHRAGM CONNECTION PLATE CLIP DETAILS, THIS SHEET.

DIAPHRAGM DETAILS (D1)
SCALE: 1" = 1'-0"



NOTE:
$\frac{7}{8}$" ø STUDS MAY BE SUBSTITUTED FOR $\frac{3}{4}$" ø STUDS BY ADJUSTING THE PITCH TO PROVIDE AN EQUIVALENT CROSS–SECTIONAL AREA PER FOOT.

SHEAR STUD DETAILS
NOT TO SCALE



CLIP DETAIL
NOT TO SCALE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

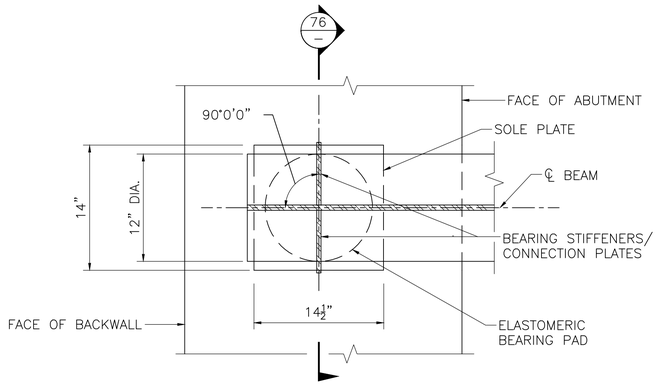
THIS SHEET IS APPROVED FOR CONSTRUCTION BY MASSDOT
AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER
USE ONLY PRINTS OF LATEST DATE

TEMP. BRIDGE FRAMING PLAN & STEEL DETAILS.DWG Plotted on 31-Jul-2026 1:01 PM
8-August-2026
Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

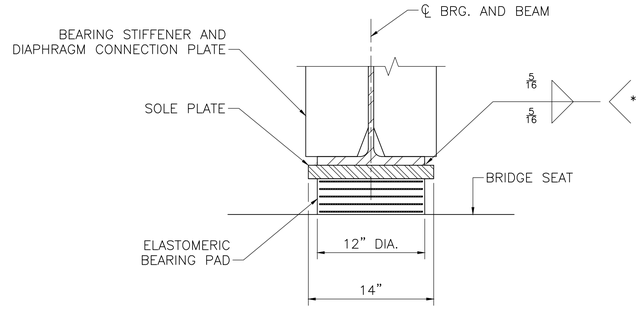
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	111	125
PROJECT FILE NO.	606352		

TEMP. BRIDGE BEARING DETAILS



EAST ELEVATION

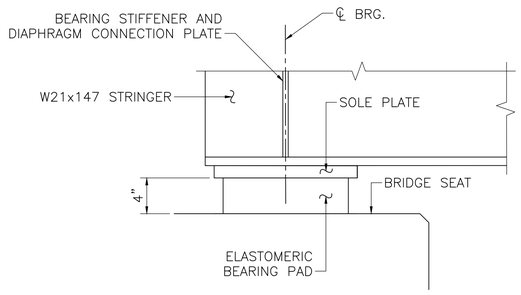
SCALE: 1½" = 1'–0"



(*) – WELDS SHALL TERMINATE ¼" FROM EDGE OF PLATE.

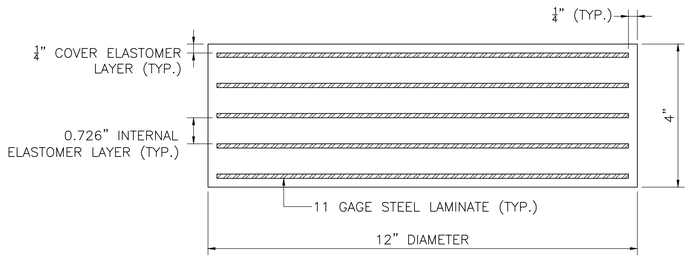
SECTION 76 –

SCALE: 1½" = 1'–0"



WEST ELEVATION

SCALE: 1½" = 1'–0"

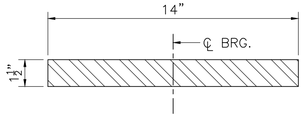


NOTES:

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 49.94 KIPS. THE COMPRESSIVE DESIGN STRESS IS THE RESULT OF DIVIDING THE COMPRESSIVE DESIGN LOAD BY THE AREA OF THE PAD AND IS EQUAL TO 0.442 KSI.
4. ELASTOMERIC BEARING PAD SHALL NOT BE VULCANIZED TO THE SOLE PLATE.

ELASTOMERIC BEARING PAD

NOT TO SCALE



BEARING NOTES:

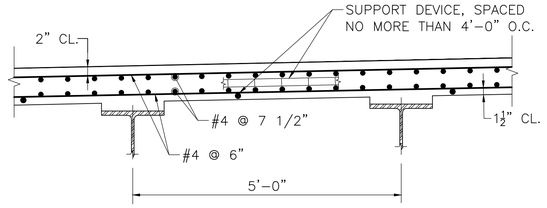
1. STEEL SOLE PLATE SHALL CONFORM TO AASHTO M 270 GRADE 36 AND SHALL BE HOT–DIP GALVANIZED.
2. CENTER THE ELASTOMERIC PAD UNDER THE SOLE PLATE DURING BEAM ERECTION.
3. BEAMS SHALL BE ERECTED WHEN THE AMBIENT TEMPERATURE IS BETWEEN 50 °F AND 77 °F. IF BEAMS ARE ERECTED AT OTHER AMBIENT TEMPERATURES, THEY WILL HAVE TO BE JACKED AND THE ELASTOMERIC BEARINGS RECENTERED WHEN THE TEMPERATURE RETURNS TO THAT RANGE.

DATE	DESCRIPTION
AUGUST 8, 2026	ISSUED FOR CONSTRUCTION

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

USE ONLY PRINTS OF LATEST DATE

TEMP. BRIDGE BEARING DETAILS.DWG Plotted on 31-Jul-2026 1:01 PM
8-August-2026 Final Structural Submittal (SF)

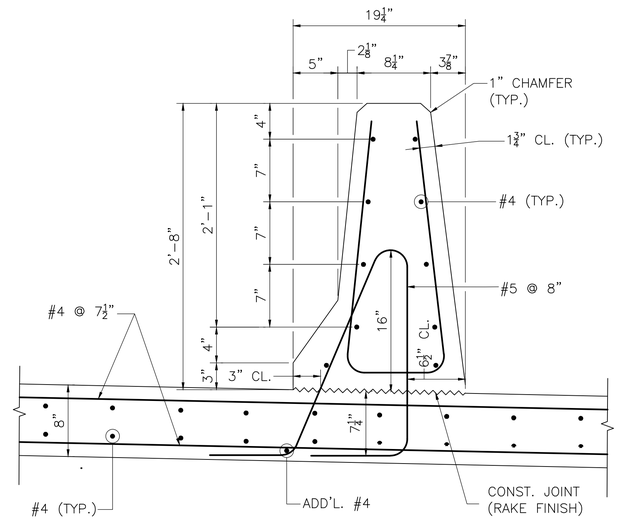


NOTES:

1. LONGITUDINAL REINFORCEMENT SHALL BE PLACED PARALLEL TO THE ℄ OF CONSTRUCTION.
   TRANSVERSE (PRIMARY) REINFORCEMENT SHALL BE PLACED PERPENDICULAR TO THE ℄ OF CONSTRUCTION.
2. ALL REINFORCEMENT AND SUPPORT DEVICES SHALL BE COATED.
3. THE FINISHED SURFACE OF BRIDGE DECK SHALL BE SMOOTH AND WITHOUT ANY PROJECTIONS OR DEPRESSIONS THAT COULD RETAIN WATER.

TYPICAL DECK REINFORCEMENT

SCALE: ¾" = 1'-0"



NOTE:

THE BARRIER PROFILE SHOULD BE ADJUSTED TO MATCH THE BARRIER AT APPROACHES.

SECTION THRU BARRIER AND OVERHANG

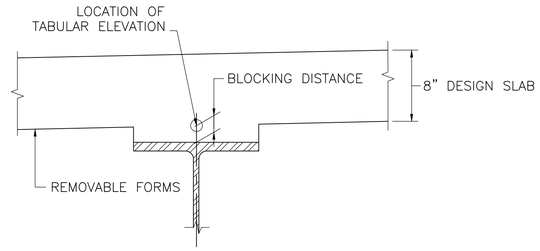
SCALE: 1½" = 1'-0"

TOP OF FORM ELEVATIONS FOR DECK SLAB PRIOR TO PLACEMENT OF CONCRETE									
	INCREASING STATIONS								
GIRDER NO.	℄ BRG. W. ABUT	1/8 PT	1/4 PT	3/8 PT	1/2 PT	5/8 PT	3/4 PT	7/8 PT	℄ BRG. E. ABUT
1	16.86	16.83	16.81	16.77	16.74	16.71	16.67	16.63	16.59
2	16.96	16.93	16.91	16.87	16.84	16.81	16.77	16.73	16.69
3	17.06	17.03	17.00	16.97	16.94	16.91	16.87	16.83	16.79
4	17.16	17.13	17.10	17.07	17.04	17.00	16.97	16.93	16.89

NOTES:

AFTER THE BEAMS ARE ERECTED BUT BEFORE THE FORMS ARE BUILT, ELEVATIONS ON TOP OF THE FLANGE OF THE BEAMS ARE TO BE OBTAINED AT THE POINTS INDICATED IN THE TABLE. THE DIFFERENCE BETWEEN THE ELEVATIONS OBTAINED AND THOSE SHOWN IN THE TABLE GIVES THE ACTUAL BLOCKING DISTANCE FROM THE TOP OF BEAM TO THE BOTTOM OF THE SLAB AT CENTER LINE OF BEAM.

CAMBER TABLE (INCHES)												
STRINGER NO.		℄ BRG. W. ABUT	0.1L	0.2L	0.3L	0.4L	0.5L	0.6L	0.7L	0.8L	0.9L	℄ BRG. E. ABUT
1-4	STEEL DL DEFL	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.00
	CONC DL DEFL	0.00	0.02	0.04	0.05	0.06	0.06	0.06	0.05	0.04	0.02	0.00
	SDL DEFL	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	VERT CURVE CAMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	ADD'L CAMBER	0.00	0.05	0.10	0.13	0.14	0.15	0.14	0.13	0.10	0.05	0.00
	TOTAL CAMBER	0.00	0.08	0.15	0.20	0.22	0.23	0.22	0.20	0.15	0.08	0.00



HAUNCH DETAIL

TOP OF FORM DETAILS

NOT TO SCALE

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER

USE ONLY PRINTS OF LATEST DATE

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	112	125
	PROJECT FILE NO. 606352		

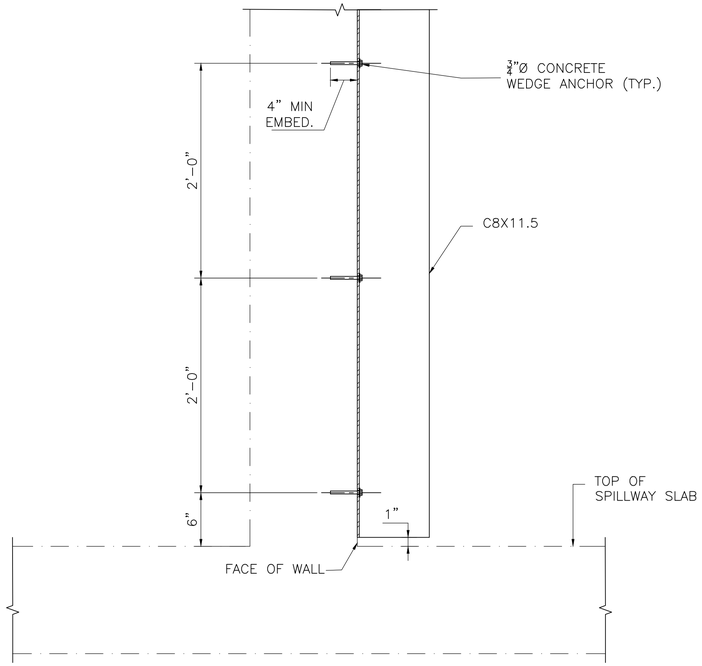
TEMP. BRIDGE DECK DETAILS

TEMP. BRIDGE DECK DETAILS.DWG Plotted on 31-Jul-2026 1:01 PM
8-August-2026 Final Structural Submittal (SF)

WAREHAM
US 6 WB & ST 28 NB

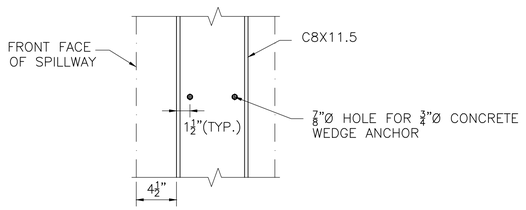
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	113	125
PROJECT FILE NO.	606352		

TEMP. BRIDGE MISC. DETAILS



TEMPORARY STOP LOG SLOT SECTION

SCALE: 1½" = 1'-0"

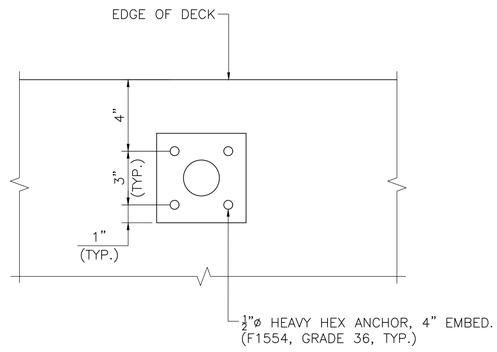


NOTES:

1. ALL STRUCTURAL STEEL AND HARDWARE USED FOR THE TEMPORARY STOP LOG SLOTS SHALL BE GALVANIZED. PER SPECIFICATION M7.10.0.
2. THE EXISTING STOP LOGS SHALL BE REMOVED AND REUSED IN THE TEMPORARY STOP LOG SLOTS. THE CONTRACTOR SHALL CONFIRM THE CONDITION OF THE STOP LOGS PRIOR TO USE. IF THE STOP LOGS ARE DAMAGED OR DETERIORATED, STOP LOGS OF SIMILAR SIZE AND MATERIAL SHALL BE FURNISHED.
3. WORK FOR THIS ITEM SHALL BE PAID FOR UNDER ITEM 993.1.

TEMPORARY STOP LOG SLOT ANCHOR LAYOUT

SCALE: 1½" = 1'-0"



FENCE POST DETAIL

SCALE: 3" = 1'-0"

AUGUST 8, 2026	ISSUED FOR CONSTRUCTION
DATE	DESCRIPTION

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AUTHORIZED SIGNATORY: STATE BRIDGE ENGINEER

USE ONLY PRINTS OF LATEST DATE

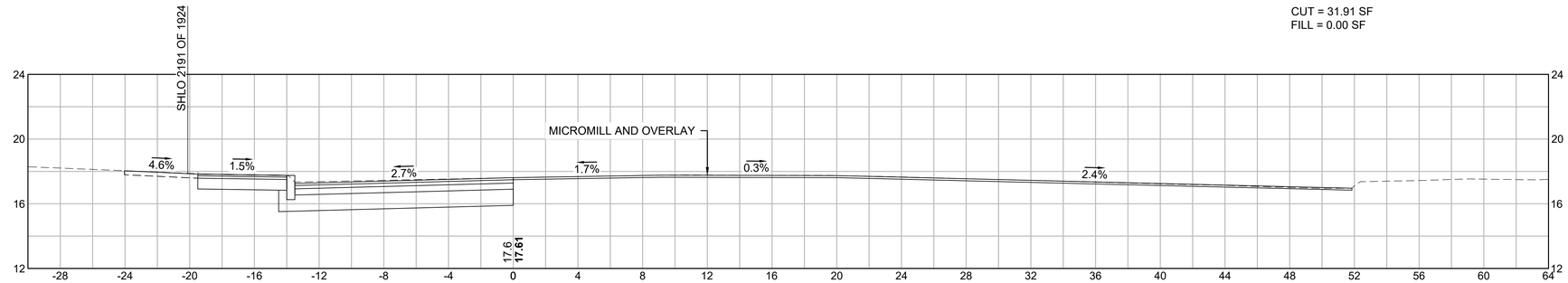
TEMP. BRIDGE MISC. DETAILS.DWG Plotted on 31-Jul-2026 1:01 PM
8-August-2026 Final Structural Submittal (SF)

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

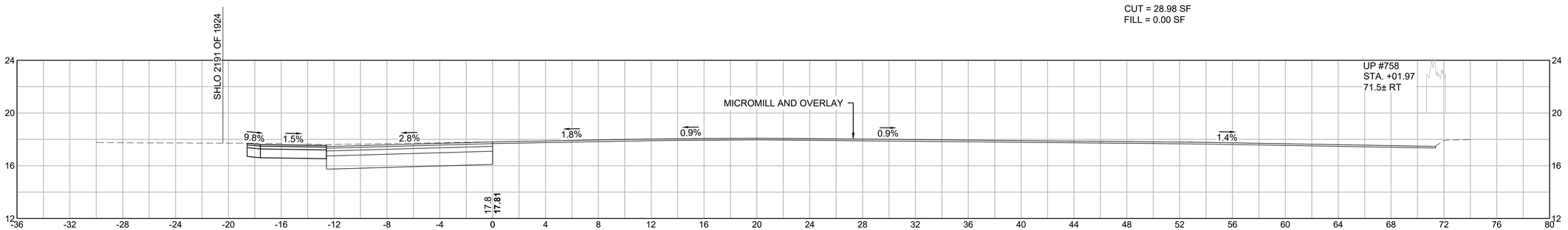
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	114	125
PROJECT FILE NO.	606352		

CROSS SECTIONS NO. 1



12+50



12+00

606352_HDI(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

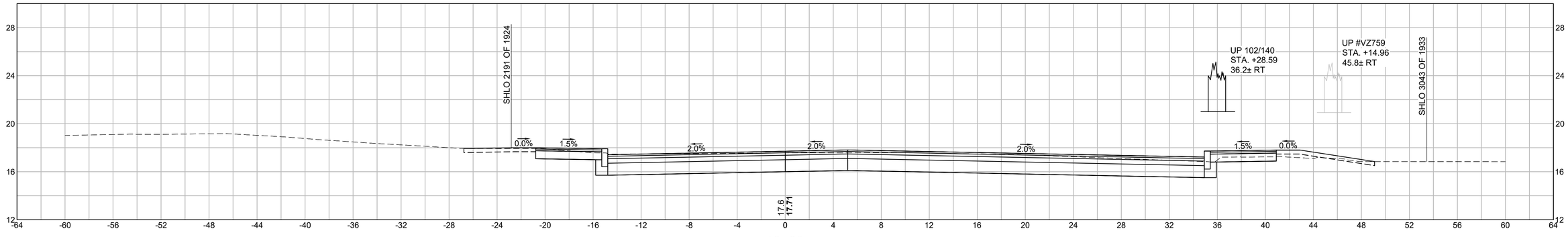
HOR. SCALE IN FEET
4 0 4 8
4 0 4 8
VER. SCALE IN FEET

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	115	125
PROJECT FILE NO.	606352		

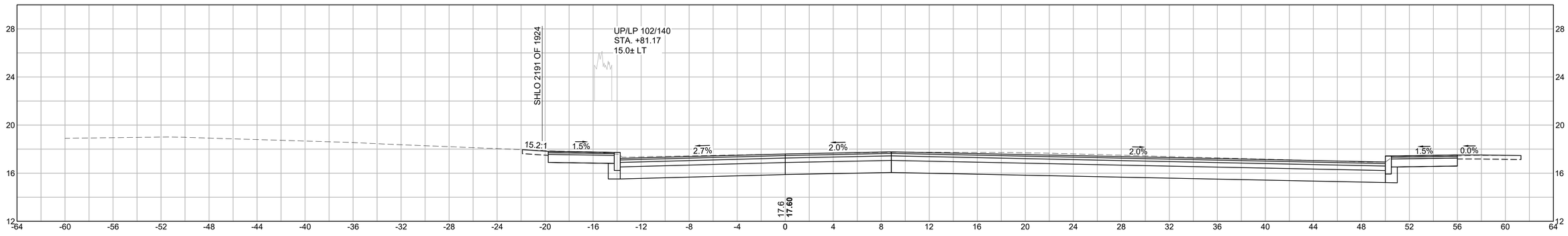
CROSS SECTIONS NO. 2

CUT = 88.56 SF
FILL = 0.83 SF



13+00

CUT = 127.16 SF
FILL = 0.00 SF



12+55

606352_HD(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

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

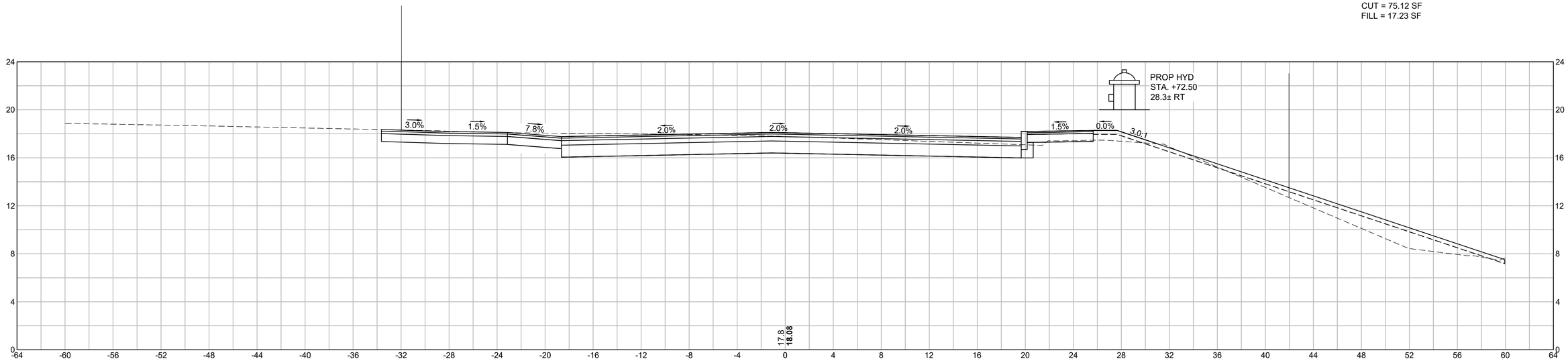
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	116	125
PROJECT FILE NO.	606352		

CROSS SECTIONS NO. 3

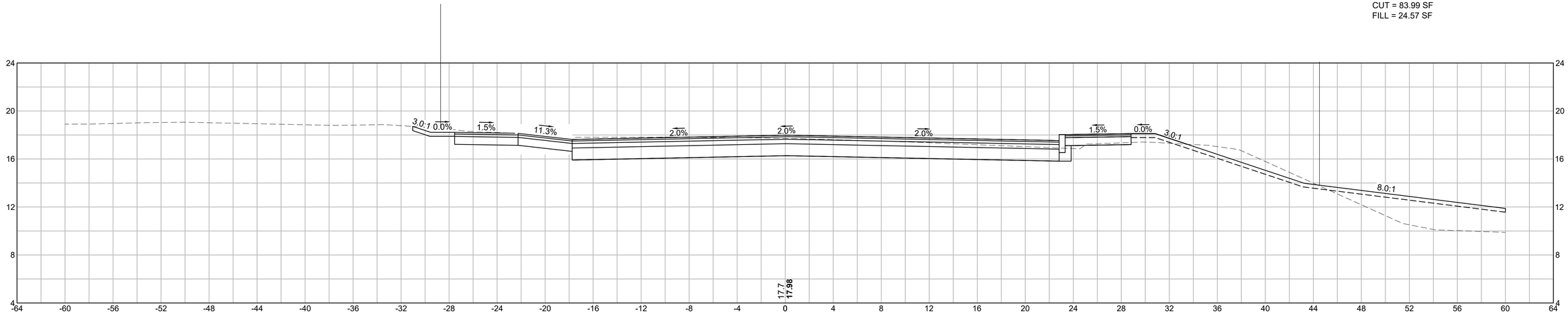
606352_HD(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

CUT = 75.12 SF
FILL = 17.23 SF



13+70

CUT = 83.99 SF
FILL = 24.57 SF



13+50

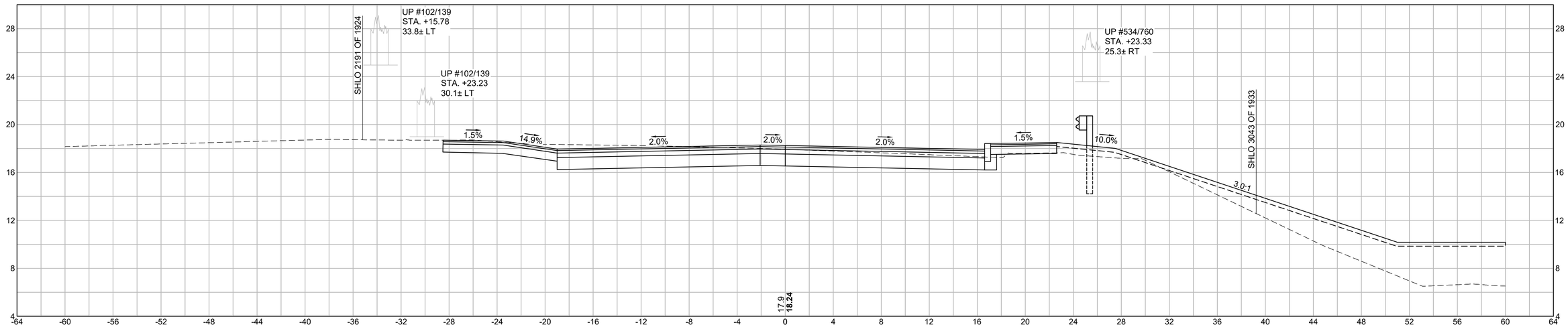
HOR. SCALE IN FEET
4 0 4 8
VER. SCALE IN FEET
4 0 4 8

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	117	125
PROJECT FILE NO.	606352		

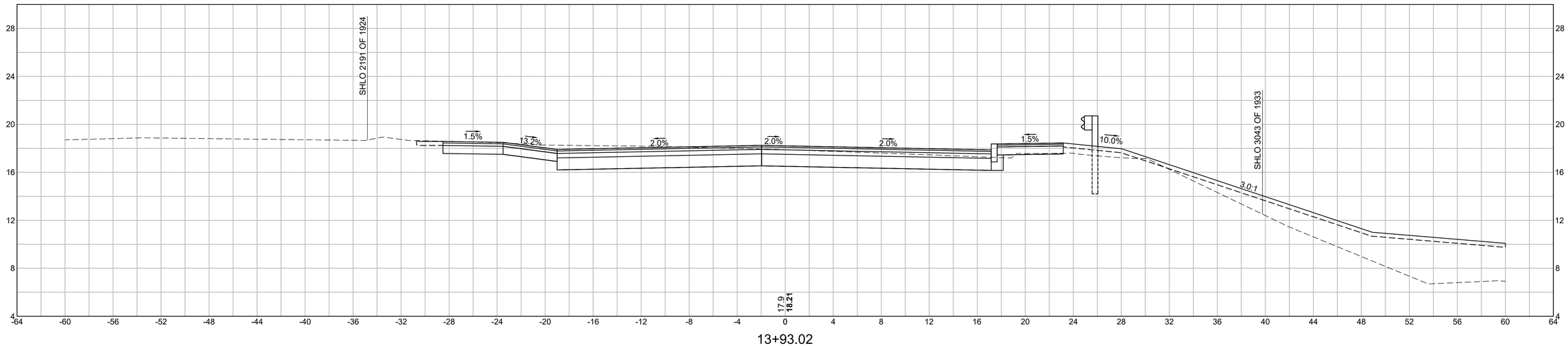
CROSS SECTIONS NO. 4

CUT = 65.67 SF
FILL = 58.77 SF



14+00

CUT = 66.76 SF
FILL = 56.58 SF



13+93.02

606352_HD(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

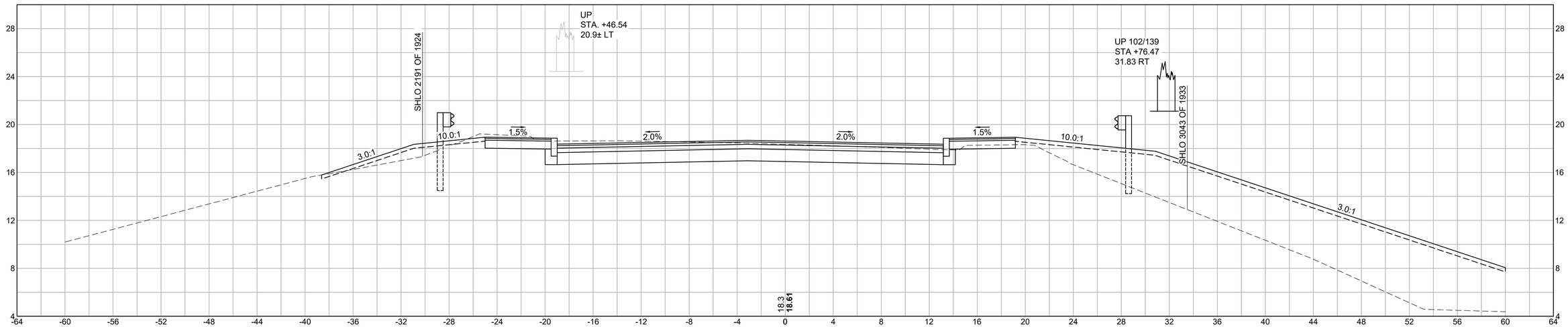
HOR. SCALE IN FEET
4 0 4 8
VER. SCALE IN FEET
4 0 4 8

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	118	125
PROJECT FILE NO.	606352		

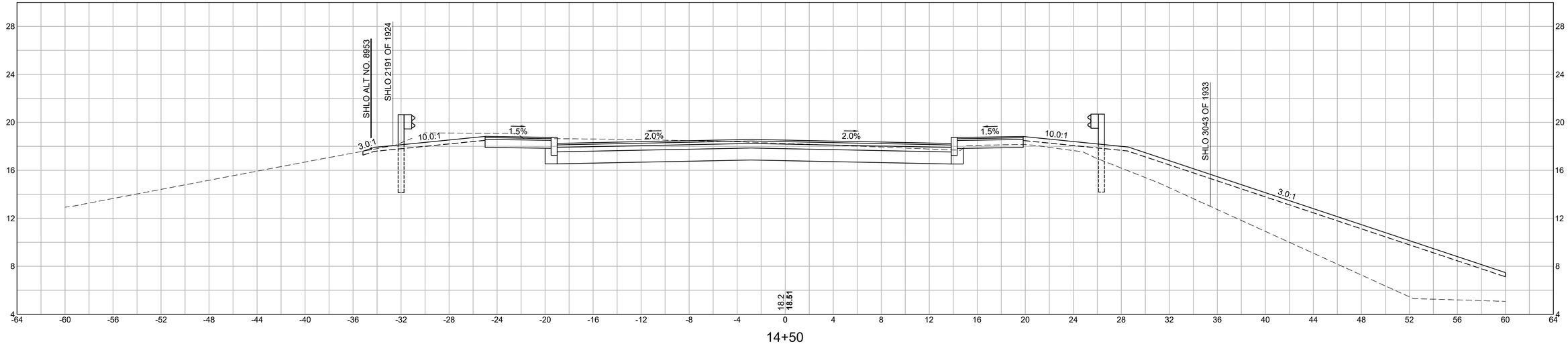
CROSS SECTIONS NO. 5

CUT = 61.34 SF
FILL = 148.74 SF



14+74.79

CUT = 68.01 SF
FILL = 100.41 SF



14+50

606352_HD(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

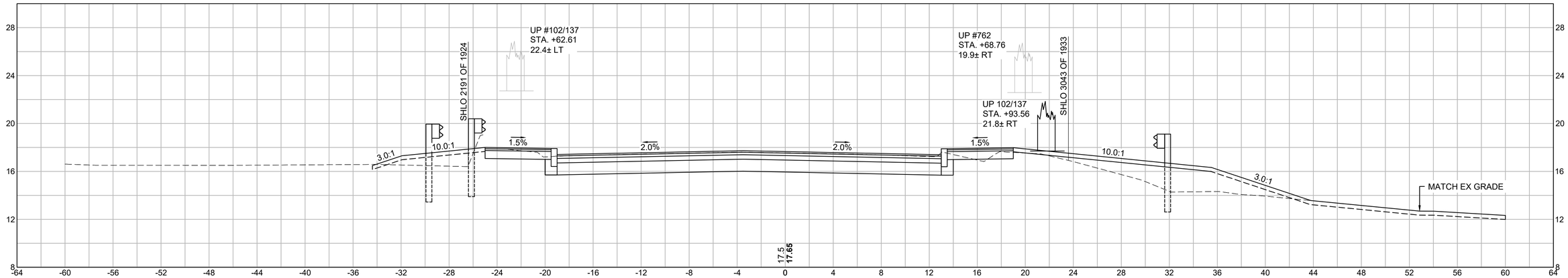
HOR. SCALE IN FEET
4 0 4 8
VER. SCALE IN FEET
4 0 4 8

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	119	125
PROJECT FILE NO.	606352		

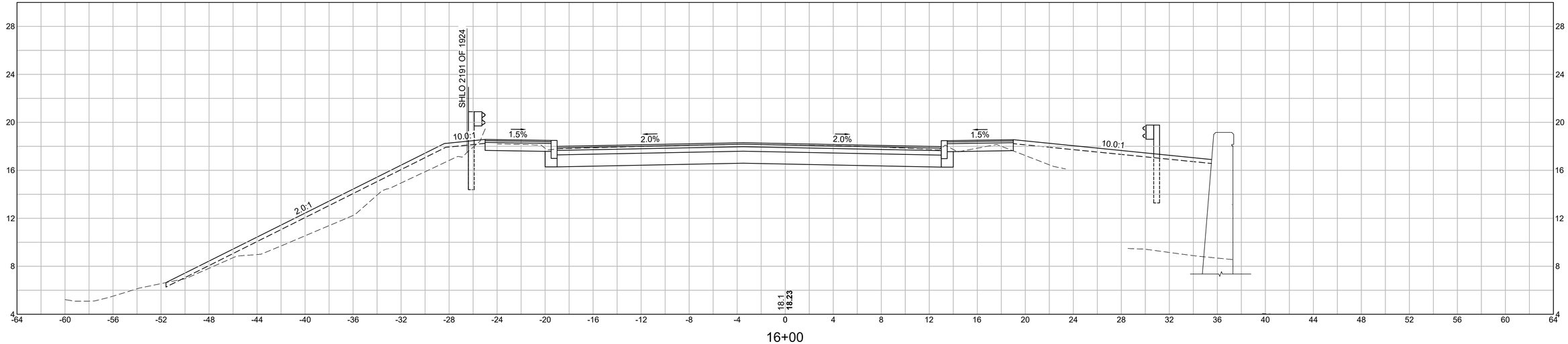
CROSS SECTIONS NO. 6

CUT = 66.64 SF
FILL = 25.94 SF



16+50

CUT = 58.27 SF
FILL = 107.25 SF



16+00

606352_HD(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

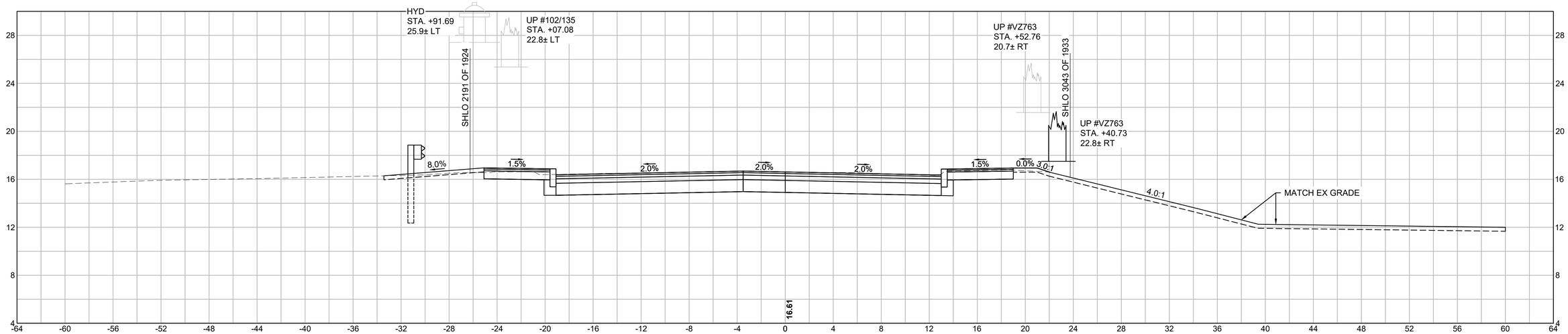
HOR. SCALE IN FEET
4 0 4 8
VER. SCALE IN FEET
4 0 4 8

WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	120	125
PROJECT FILE NO.	606352		

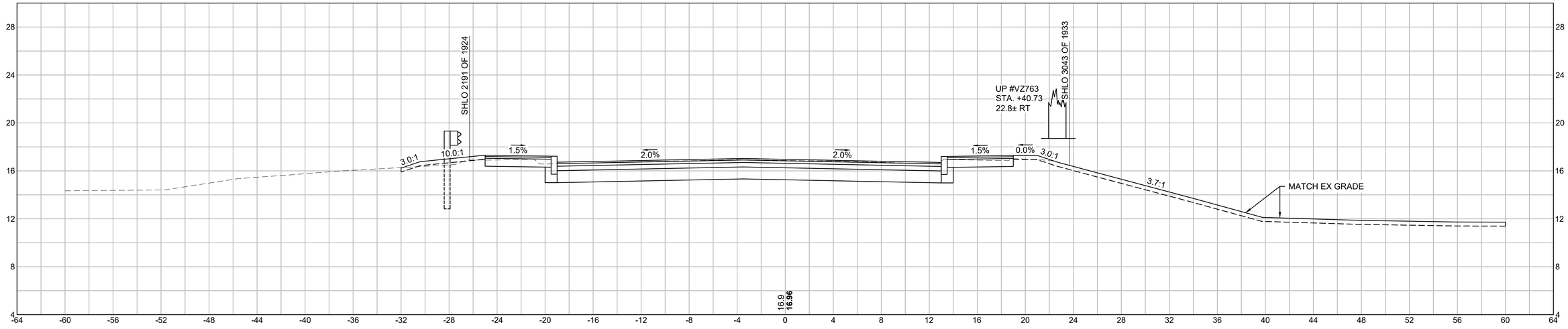
CROSS SECTIONS NO. 7

CUT = 79.99 SF
FILL = 0.02 SF



17+25

CUT = 74.09 SF
FILL = 0.49 SF



17+00

606352_HD(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

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

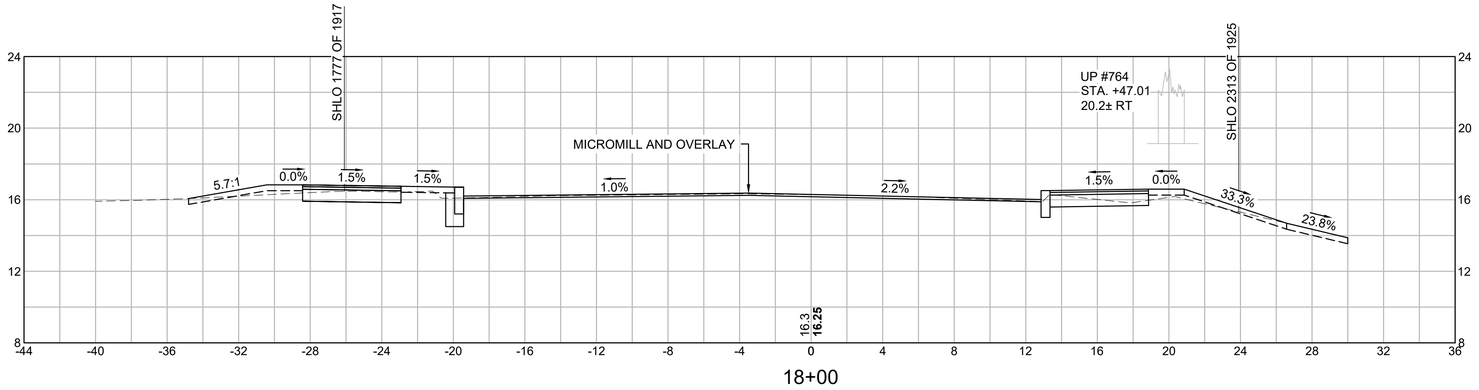
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	121	125
PROJECT FILE NO.	606352		

CROSS SECTIONS NO. 8

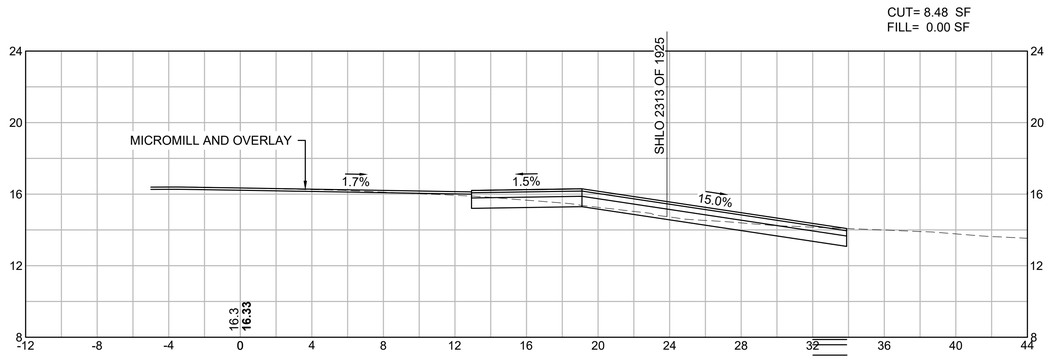
606352_HD(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

CUT = 9.64 SF
FILL = 1.28 SF



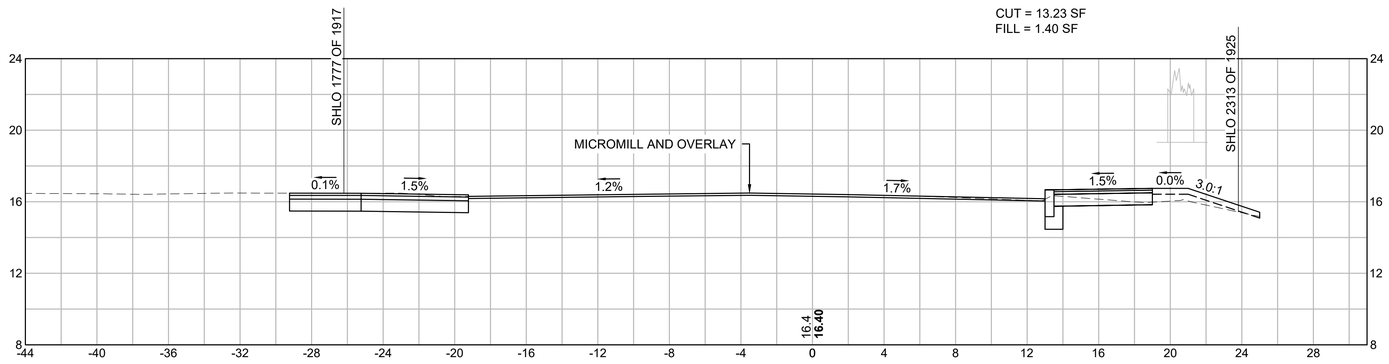
18+00

CUT= 8.48 SF
FILL= 0.00 SF



17+73

CUT = 13.23 SF
FILL = 1.40 SF



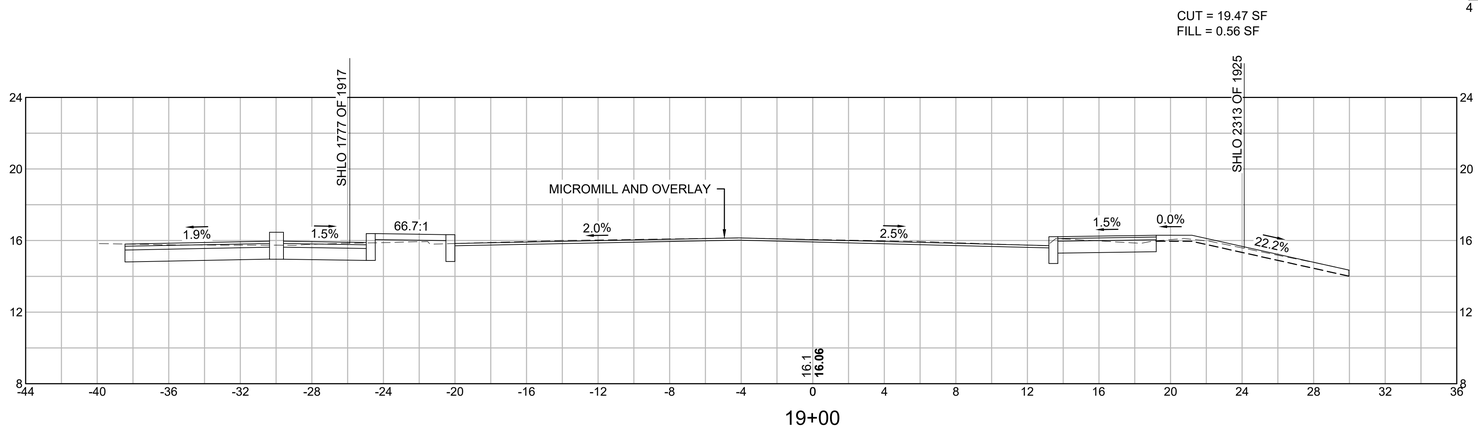
17+50

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

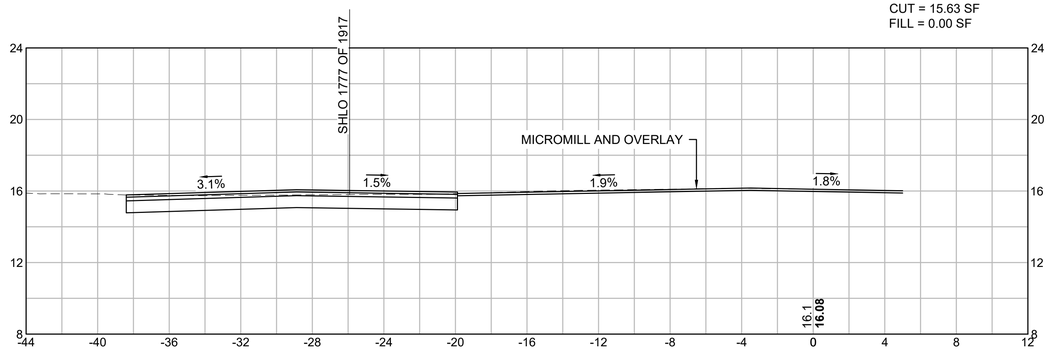
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	122	125
PROJECT FILE NO.	606352		

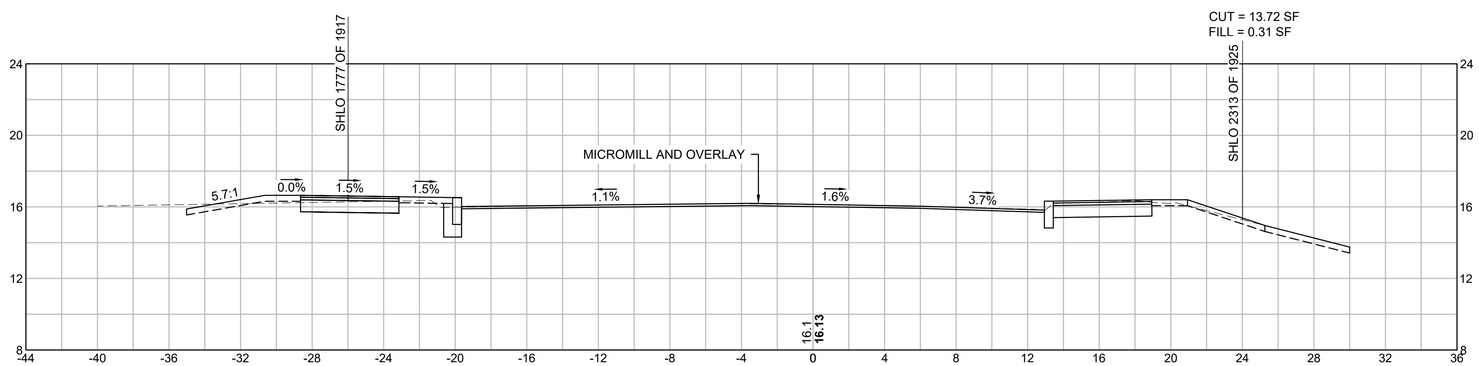
CROSS SECTIONS NO. 9



19+00



18+85



18+50

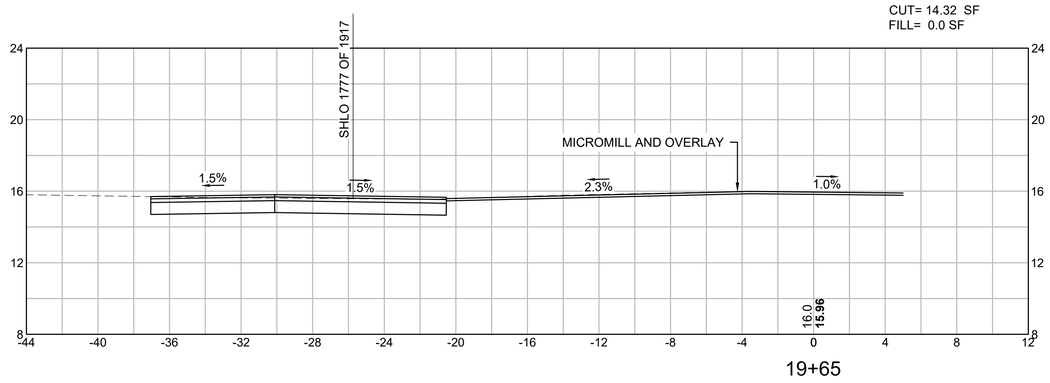
606352_HD(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

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

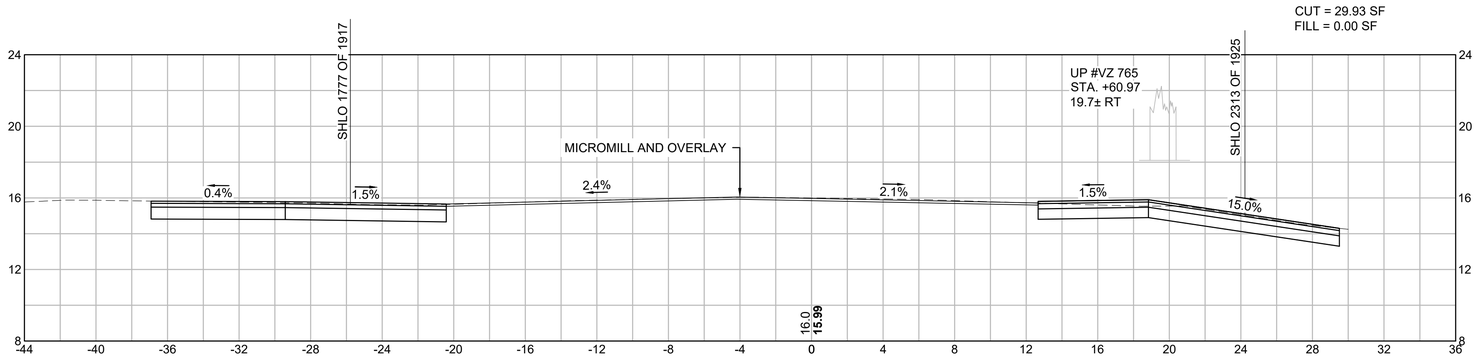
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	123	125
PROJECT FILE NO.	606352		

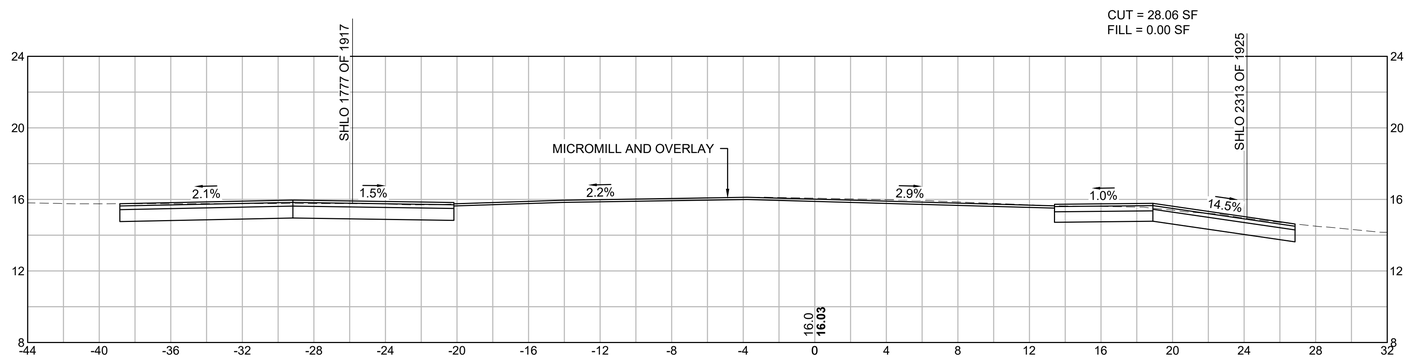
CROSS SECTIONS NO. 10



19+65



19+50



19+20

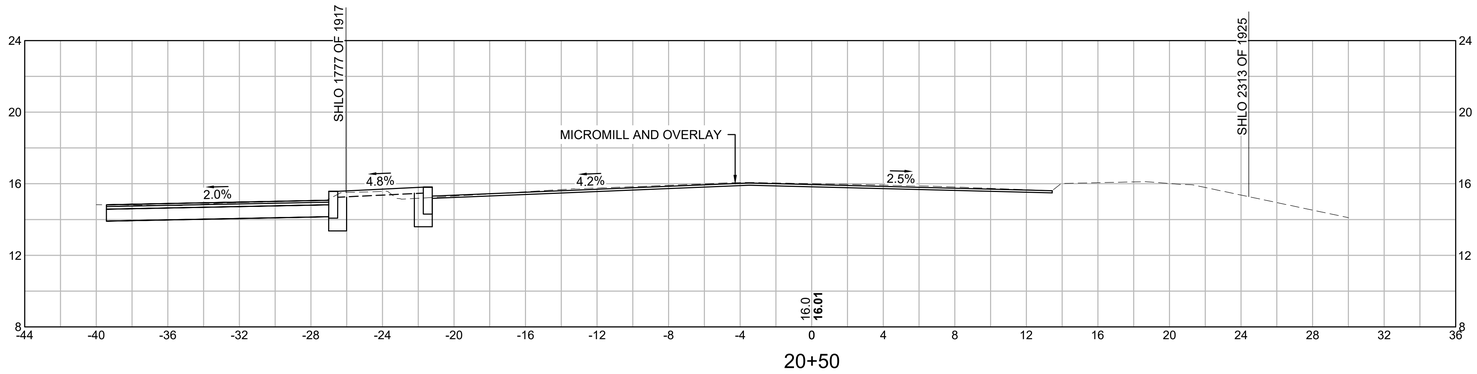
606352_HDI(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	124	125
PROJECT FILE NO.	606352		

CROSS SECTIONS NO. 11

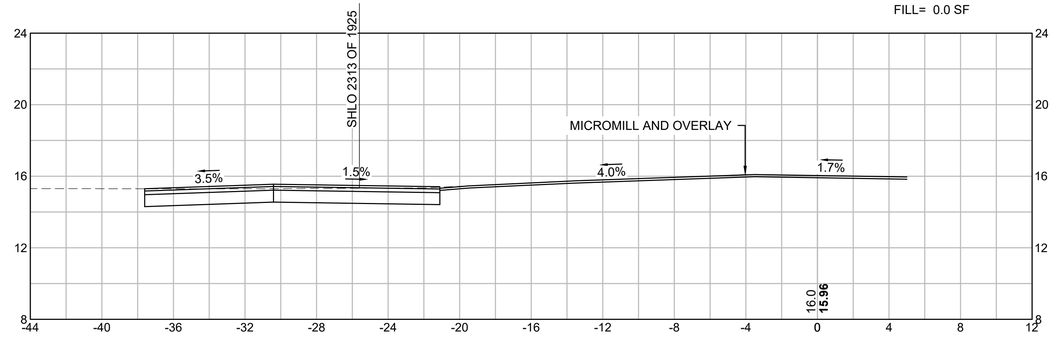
HOR. SCALE IN FEET
4 0 4 8
VER. SCALE IN FEET
4 0 4 8

CUT = 12.46 SF
FILL = 0.30 SF



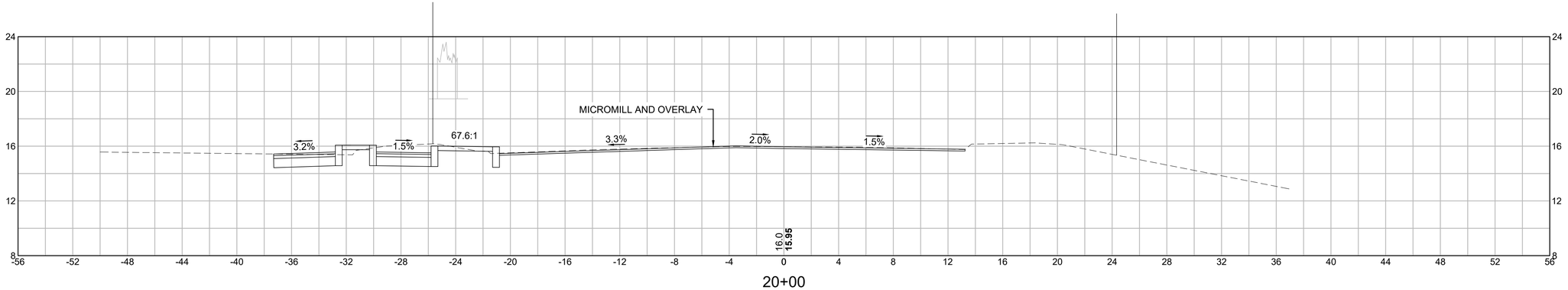
20+50

CUT= 14.15 SF
FILL= 0.0 SF



20+33

CUT = 13.24 SF
FILL = 0.39 SF



20+00

606352_HD(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

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

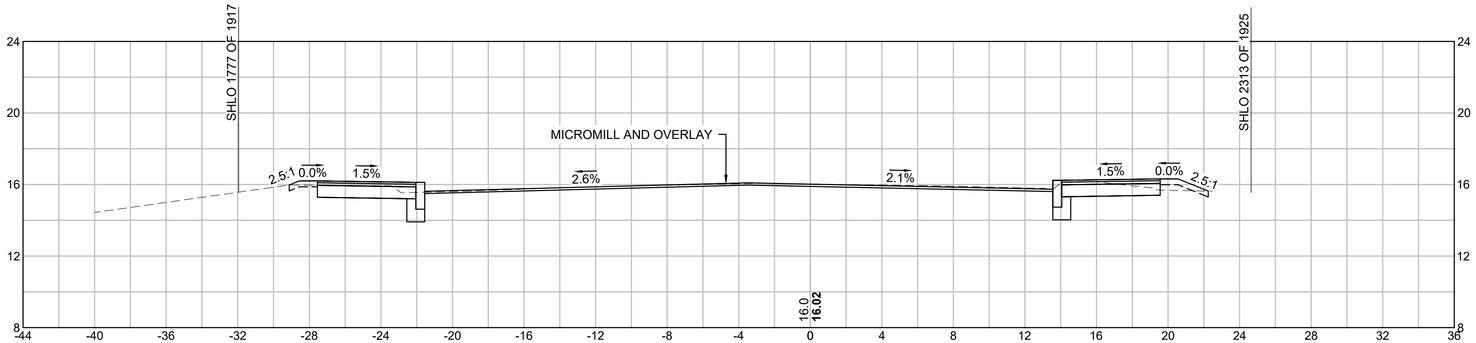
WAREHAM
US 6 WB & ST 28 NB

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	PRC(PRC80)-003S(925)X	125	125
PROJECT FILE NO.	606352		

CROSS SECTIONS NO. 12

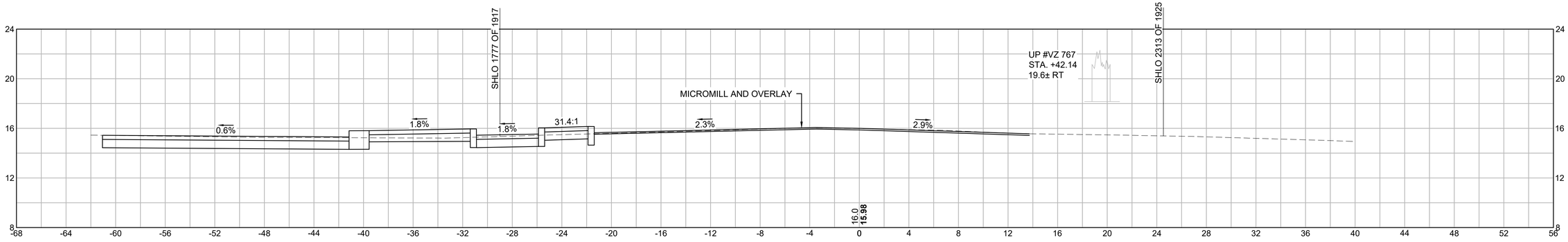
606352_HD(CROSS SECTIONS).DWG Plotted on 31-Jul-2026 1:14 PM

CUT = 12.41 SF
FILL = 0.44 SF



21+50

CUT = 29.93 SF
FILL = 0.00 SF



21+00