

LOCATION MAP



THE GOLD STAR
MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY

MICHAEL J. CIANCHETTE, CHAIRMAN
 JANE L. LINCOLN, VICE-CHAIR
 EMILY N. BECKER, MEMBER
 NINA A. FISHER, MEMBER
 ANDREW J. MCLEAN, MEMBER
 THOMAS J. ZUKE, MEMBER
 DALE F. DOUGHTY, MAINEDOT EX-OFFICIO

ANDRE J. BRIERE, COLONEL, USAF (ret.), EXECUTIVE DIRECTOR

CONTRACT 2026.12

CULVERT REPAIRS

LONG CREEK CULVERT (MM 45.90) IN S. PORTLAND
 UNNAMED STREAM CULVERT (MM 57.10) IN CUMBERLAND
 UNNAMED STREAM CULVERT (MM 91.30) IN LITCHFIELD

INDEX OF SHEETS	
Sheet No.	Description
1	Title Sheet
2	Estimated Quantities
3	General Notes
4	Access Way Typical Sections
5	Stream Details
6-8	Maintenance of Traffic Details
Structure 1 South Portland (MM 45.90)	
9-14	Traffic Control Plans
15	Existing Conditions - (NB)
16	Existing Conditions- (SB)
17	Disturbance Impact Plans - (NB)
18	Disturbance Impact Plans - (SB)
19	Stream Plan & Profile
Structure 2 Cumberland (MM 57.10)	
20	Stream Plan
Structure 3 Litchfield (MM 91.30)	
21	Existing Conditions & MOT Plan - (NB)
22	Existing Conditions & MOT Plan - (SB)
23	Disturbance Impact Plans - (NB)
24	Disturbance Impact Plans - (SB)
25	Stream Plan & Profile

APPROVED:
 MAINE TURNPIKE AUTHORITY

Stephen R. Tartre
 Stephen R. Tartre, P.E.
 Director of Engineering

2/17/26
 DATE



Ethan C. Flynn
 Ethan C. Flynn, P.E.
 Consultant Project Manager

2/11/2026
 DATE

Contract 2026.12

ESTIMATED QUANTITIES						
ITEM NO.	DESCRIPTION	UNIT	Long Creek Culvert (MM 45.90)	Unnamed Str. Culvert (MM 57.10)	Unnamed Str. Culvert (MM 91.30)	Quantity Total
509.2021	CULVERT LINING (LONG CREEK CULVERT MM 45.90)	LS	1			1
509.2022	CULVERT LINING (UNNAMED STREAM CULVERT MM 91.30)	LS			1	1
510.131	SPECIAL DETOUR, CONSTRUCTION ACCESS WAY (LONG CREEK CULVERT MM 45.90)	LS	1			1
510.132	SPECIAL DETOUR, CONSTRUCTION ACCESS WAY (UNNAMED STREAM CULVERT MM 91.30)	LS			1	1
518.85	CONCRETE CULVERT JOINT REPAIR (UNNAMED STREAM CULVERT MM 57.10)	LS		1		1
652.3611	MAINTENANCE OF TRAFFIC CONTROL DEVICES (LONG CREEK CULVERT MM 45.90)	LS	1			1
652.3612	MAINTENANCE OF TRAFFIC CONTROL DEVICES (UNNAMED STREAM CULVERT MM 57.10)	LS		1		1
652.3613	MAINTENANCE OF TRAFFIC CONTROL DEVICES (UNNAMED STREAM CULVERT MM 91.30)	LS			1	1
656.751	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL (LONG CREEK CULVERT MM 45.90)	LS	1			1
656.752	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL (UNNAMED STREAM CULVERT MM 57.10)	LS		1		1
656.753	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL (UNNAMED STREAM CULVERT MM 91.30)	LS			1	1
659.10	MOBILIZATION	LS		1		1
661.10	TOLL STIPEND	LS		1		1

Date: 2/11/2026

Username: BTOMC

Scale:

No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE					
	By	Date		By	Date
Designed	SRP	2/11/2026	Checked	MEB	2/11/2026
Drawn	BRT	2/11/2026	In Charge of	ECF	2/11/2026

VANASSE HANGEN BRUSTLIN, INC.
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 Suite 100
 South Portland, ME 04106
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**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: LAUREN FLEMING, PE

**MTA PROJECT NO. 2026.12
 CULVERT REPAIRS
 ESTIMATED QUANTITIES**

VHB: 55886.00

CONTRACT: 2026.12

SHEET NUMBER: 2

2 OF 25

SPECIFICATIONS

CONSTRUCTION:

STATE OF MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 2014 EDITION. WITH ALL REVISIONS THERETO.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION STANDARD DETAILS FOR HIGHWAYS AND BRIDGES, 2020 EDITION, WITH ALL REVISIONS THERETO.

MAINE TURNPIKE AUTHORITY 2016 SUPPLEMENTAL SPECIFICATIONS, OR LATEST REVISION.

NEW MATERIALS

ALL PRECAST ELEMENTS..... CLASS "A"
 REINFORCING STEEL..... ASTM A615/A615M, GRADE 60

BASIC DESIGN STRESSES (NEW MATERIALS)

CONCRETE..... $f_c = 4,500$ psi

REINFORCING STEEL..... $f_y = 60,000$ psi

TRAFFIC AND DESIGN LOADING DATA

S. PORTLAND CULVERT (MM 45.90)

DESIGN LIVE LOAD (FOR EXISTING COMPONENTS)..... UNKNOWN
 AADT..... 81,600
 DESIGN SPEED (MPH) (FOR EXISTING)..... 70
 FUNCTIONAL CLASS..... PRINCIPAL ARTERIAL INTERSTATE

CUMBERLAND CULVERT (MM 57.10)

DESIGN LIVE LOAD (FOR EXISTING COMPONENTS)..... UNKNOWN
 AADT..... 17,810
 DESIGN SPEED (MPH) (FOR EXISTING)..... 65
 FUNCTIONAL CLASS..... PRINCIPAL ARTERIAL INTERSTATE

LITCHFIELD CULVERT (MM 91.30)

DESIGN LIVE LOAD (FOR EXISTING COMPONENTS)..... UNKNOWN
 AADT..... 6,740
 DESIGN SPEED (MPH) (FOR EXISTING)..... 65
 FUNCTIONAL CLASS..... PRINCIPAL ARTERIAL INTERSTATE

HYDROLOGICAL DATA

S. PORTLAND
(MM 45.90)
 DRAINAGE AREA..... 2.12 SQ. MI.
 DESIGN DISCHARGE (Q2)..... 64 CFS
 DESIGN DISCHARGE (Q50)..... 214 CFS
 CHECK DISCHARGE (Q100)..... 253 CFS
 HEADWATER ELEVATION (Q2)..... 37.5 FT
 HEADWATER ELEVATION (Q50)..... 40.6 FT
 HEADWATER ELEVATION (Q100)..... 41.4 FT
 DISCHARGE VELOCITY (Q2)..... 12.1 FPS
 DISCHARGE VELOCITY (Q50)..... 15.7 FPS
 DISCHARGE VELOCITY (Q100)..... 16.3 FPS

HYDROLOGICAL DATA

CUMBERLAND
(MM 57.10)
 DRAINAGE AREA..... 0.55 SQ. MI.
 DESIGN DISCHARGE (Q2)..... 25 CFS
 DESIGN DISCHARGE (Q50)..... 214 CFS
 CHECK DISCHARGE (Q100)..... 269 CFS
 HEADWATER ELEVATION (Q2)..... 105.5 FT
 HEADWATER ELEVATION (Q50)..... 109.4 FT
 HEADWATER ELEVATION (Q100)..... 110.8 FT
 DISCHARGE VELOCITY (Q2)..... 4.3 FPS
 DISCHARGE VELOCITY (Q50)..... 8.0 FPS
 DISCHARGE VELOCITY (Q100)..... 9.5 FPS

HYDROLOGICAL DATA

LITCHFIELD
(MM 91.30)
 DRAINAGE AREA..... 0.4 SQ. MI.
 DESIGN DISCHARGE (Q2)..... 36 CFS
 DESIGN DISCHARGE (Q50)..... 139 CFS
 CHECK DISCHARGE (Q100)..... 166 CFS
 HEADWATER ELEVATION (Q2)..... 374.3 FT
 HEADWATER ELEVATION (Q50)..... 379.9 FT
 HEADWATER ELEVATION (Q100)..... 383.1 FT
 DISCHARGE VELOCITY (Q2)..... 6.4 FPS
 DISCHARGE VELOCITY (Q50)..... 10.6 FPS
 DISCHARGE VELOCITY (Q100)..... 11.7 FPS

GENERAL CONSTRUCTION NOTES

- ALL WORK SHALL CONFORM TO THE 2014 MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR HIGHWAYS AND BRIDGES, EXCEPT AS MODIFIED BY THE MAINE TURNPIKE AUTHORITY'S SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISION.
- ALL DETAILS SHALL BE IN CONFORMANCE WITH MAINE DEPARTMENT OF TRANSPORTATION (MAINE DOT) 2020 STANDARD DETAILS FOR HIGHWAYS AND BRIDGES WITH ALL UPDATES AND MAINE DOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL, LATEST REVISION UNLESS OTHERWISE NOTED IN THESE PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL DESIGN OF ANY REQUIRED ACCESS WAYS. ALL ACCESS WAYS SHALL BE CONSTRUCTED WITHIN THE LIMITS OF INSTREAM IMPACTS AND WETLAND IMPACTS SHOWN. LIMITS OF DISTURBANCE ARE LIMITED TO NO MORE THAN THE TOTAL AREA SHOWN, WITHIN THE GENERAL LIMITS OF THE SITE.
- COPIES OF THE AS-BUILT PLANS ARE POSTED ON THE MAINE TURNPIKE AUTHORITY WEB SITE AT WWW.MAINeturnpike.com/PROJECTS/CONSTRUCTION-CONTRACTS. THE COMPLETENESS AND ACCURACY OF THESE PLANS IS NOT GUARANTEED. ELECTRONIC EXISTING TOPOGRAPHIC INFORMATION IS AVAILABLE UPON REQUEST.
- CHAMFER ALL EXPOSED NEW CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS REQUIRED TO HAVE AN APPROVED CRASH WORTHY END TREATMENT ON ALL GUARDRAILS ENDS IN ALL WOK AREAS AT THE END OF EACH DAY. THE CONTRACTOR SHALL ENSURE THAT ENOUGH TIME EXISTING IN THE WORK DAY TO COMPLETE ALL MODIFICATION AND/OR INSTALLATIONS TO END TERMINALS. THE CONTRACTOR SHALL ENSURE THAT ALL PARTS AND MANPOWER ARE ON-SITE PRIOR TO UNDERTAKING ANY GUARDRAIL MODIFICATION.
- ADDITIONAL MEASURES MAY BE PROPOSED BY THE CONTRACTOR DUE TO SITE OR WEATHER CONDITIONS. THE RESIDENT MAY DIRECT THE CONTRACTOR TO IMPLEMENT ADDITIONAL MEASURES.
- EXISTING IN SLOPES STEEPER THAN 2:1 IN PROPOSED FILL AREAS SHALL BE BENCHED AS DIRECTED BY THE RESIDENT.
- ALL CLEARING SHOWN WILL BE COMPLETED BY OTHERS BEFORE APRIL 1, 2026.
- EXCAVATION ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA SUBPART P OF 29 CFR PART 1926.650-652 (CONSTRUCTION STANDARDS FOR EXCAVATIONS).
- DO NOT EXCAVATE FOR AGGREGATE SUBBASE COURSE WHERE EXISTING MATERIAL IS SUITABLE AS DETERMINED BY THE RESIDENT.
- TEMPORARY STONE CHECK DAMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES. STONE CHECK DAMS SHALL BE SPACED APPROXIMATELY 100 FEET FOR DITCH GRADES LESS THAN 3% AND SPACED APPROXIMATELY 50 FEET FOR DITCH GRADES STEEPER THAN 5%. SEE MAINE DOT BEST MANAGEMENT PRACTICES FOR FURTHER DETAILS.
- ON BOTH UPSTREAM AND DOWNSTREAM ENDS OF THE CULVERT, THE CONTRACTOR SHALL DISPOSE OF ALL DEBRIS CREATED DURING CLEARING OPERATIONS AND SHALL REMOVE ALL STUMPS REMAINING FROM TREE REMOVAL. PAYMENT WILL BE INCIDENTAL TO ITEM 510.131 AND 510.132 SPECIAL DETOUR, CONSTRUCTION ACCESS WAY.

EROSION CONTROL NOTES

- ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THESE PLANS AND THE MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES.
- EROSION CONTROL BLANKET, SHALL BE INSTALLED ON PERMANENT 2:1 SLOPES FROM THE TOP TO TOE OF SLOPE. LOAM AND SEED SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE EROSION CONTROL BLANKET. LIMITS OF THE EROSION CONTROL BLANKET IN DITCHES SHALL BE 4' WIDE OR AS DESIGNATED BY THE RESIDENT.

UTILITIES NOTES

- EXISTING UTILITIES ON THESE PLANS WERE COMPILED FROM EXISTING PLANS AND VARIOUS OTHER SOURCES. LOCATIONS ARE NOT GUARANTEED TO BE ACCURATE NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED. NO WORK SHALL BE STARTED UNTIL THE OWNERS OF THE VARIOUS UTILITIES ARE NOTIFIED BY THE CONTRACTOR OF THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS ALSO REQUIRED TO CALL DIG SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO THE START OF THE WORK.
- THE CONTRACTOR SHALL CONTACT ALL NON-MEMBERS THROUGH WWW.OKTODIG.COM OR AS OTHERWISE REQUIRED BY THE MAINE PUBLIC UTILITIES COMMISSION. ALL PROPOSED EXCAVATION LOCATIONS SHALL BE MARKED AT THE TIME OF NOTIFICATION. NO EXCAVATION SHALL BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED ITS UNDERGROUND UTILITIES. THE RESIDENT ENGINEER SHALL BE PROVIDED AN ELECTRONIC COPY OF ALL DIG SAFE TICKETS WITHIN 24 HOURS OF THEIR RELEASE FOR PROJECT NOTIFICATIONS AND 3RD PARTY UTILITY LOCATER COORDINATION.
- THE CONTRACTOR SHALL NOTIFY THE RESIDENT 10 CALENDAR DAYS PRIOR TO SUBMITTING A UTILITY LOCATE REQUEST THROUGH DIG SAFE SO THAT THE RESIDENT CAN ARRANGE FOR MAINE TURNPIKE UNDERGROUND UTILITY LOCATION. ALL PROPOSED SIGN LOCATIONS AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME.
- CONTRACTOR SHALL PROTECT ALL NEW AND EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION AS APPROVED BY THE UTILITY OWNERS.
- FOLLOWING THE COMPLETION OF THE INITIAL UTILITY LOCATE THE CONTRACTOR SHALL GPS LOCATE ALL UTILITIES WITHIN THE PROJECT LIMITS AND PROVIDE A COPY OF THE DIG SAFE RECORDS TO THE AUTHORITY. THE CONTRACTOR, ACTING AS THE AUTHORITY'S THIRD PARTY LOCATOR SHALL BE RESPONSIBLE FOR REMARKING ALL MAINE TURNPIKE FACILITIES WHEN A DIG SAFE UTILITY LOCATE IS CALL FOR IN THE PROJECT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

Date: 2/11/2026

Username: BTOMMC

Scale:			
No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE

	By	Date		By	Date
Designed	SRP	2/11/2026	Checked	MEB	2/11/2026
Drawn	BRT	2/11/2026	In Charge of	ECF	2/11/2026

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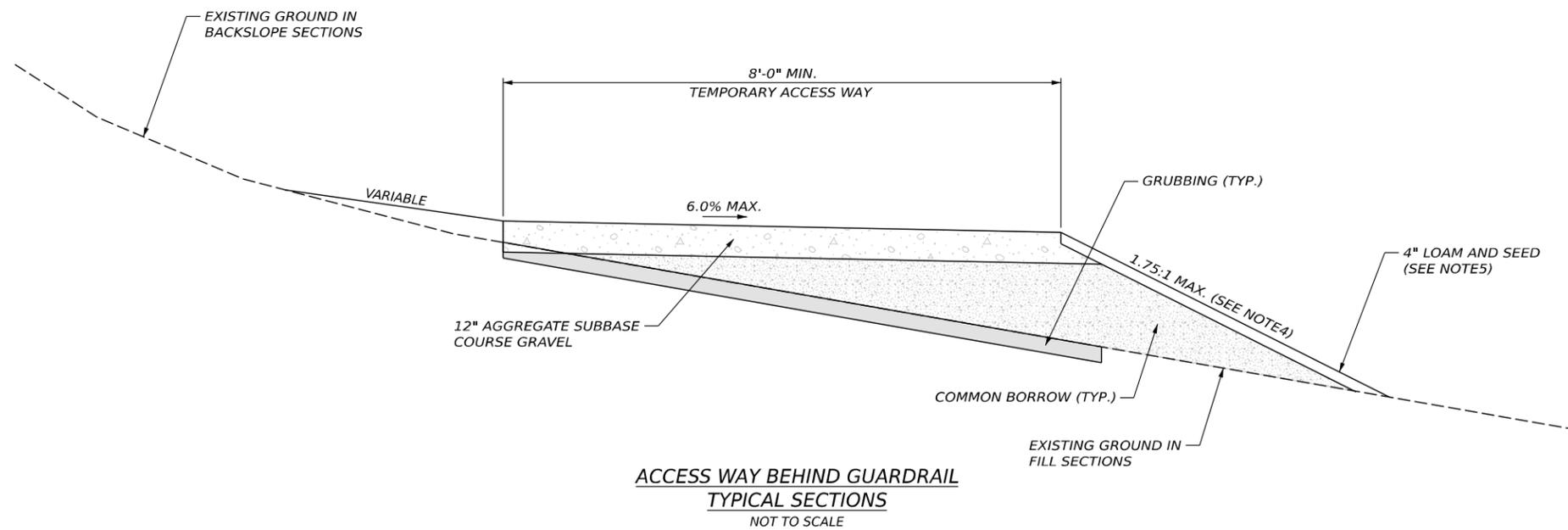
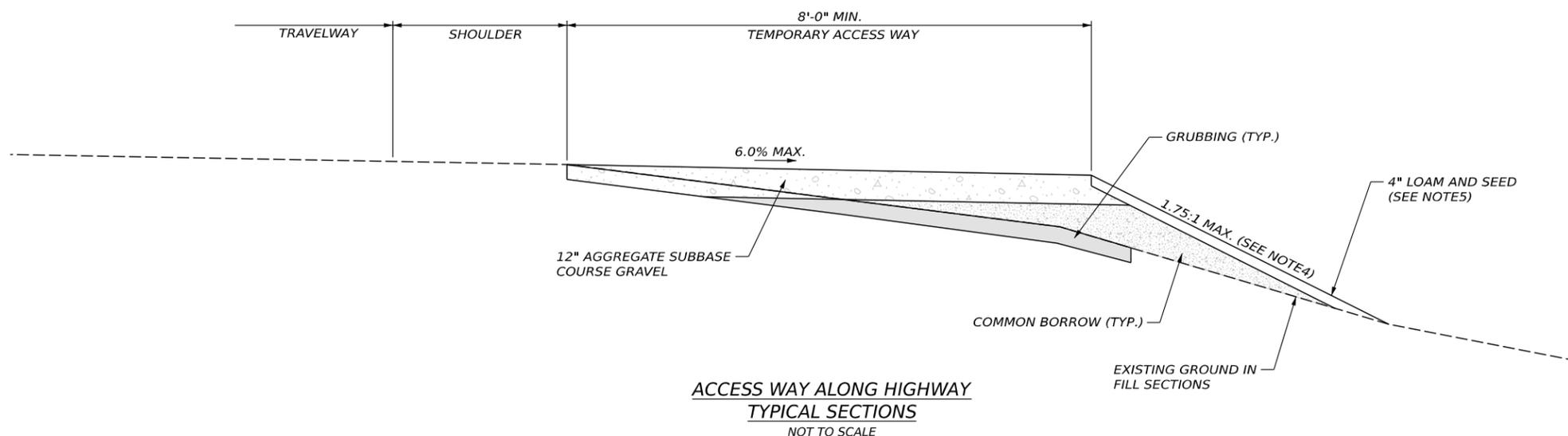


**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: LAUREN FLEMING, PE

**MTA PROJECT NO. 2026.12
 CULVERT REPAIRS
 GENERAL NOTES**

VHB: 55886.00 SHEET NUMBER: 3
 CONTRACT: 2026.12 3 OF 25



1. WHEN ADJACENT TO EXISTING PAVEMENT, ONLY REMOVE ORGANIC MATERIAL. DO NOT EXCAVATE.
2. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL RESTORE ALL AREAS TO STABLE AND VEGETATED GROUND.
3. WHEN AUTHORIZED TO REMAIN, ACCESS WAY SHALL MEET THE REQUIREMENTS SPECIFIED IN SPECIAL PROVISION 510 SPECIAL DETOURS.
4. ON ALL SLOPES STEEPER THAN 2:1 THE CONTRACTOR SHALL PLACE 24" MIN. PLAIN RIPRAP.
5. RE-PURPOSE GRUBBINGS MAY BE USED AS DIRECTED BY THE RESIDENT.
6. SLOPES WITHIN THE CLEAR ZONE AND NOT BEHIND BARRIER SHOULD BE 6:1.

Date: 2/11/2026
Username: BTOM/C

Scale:			
No.	Revision	By	Date

Designed by:					
CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE					
	By	Date		By	Date
Designed	SRP	2/11/2026	Checked	MEB	2/11/2026
Drawn	BRT	2/11/2026	In Charge of	ECF	2/11/2026

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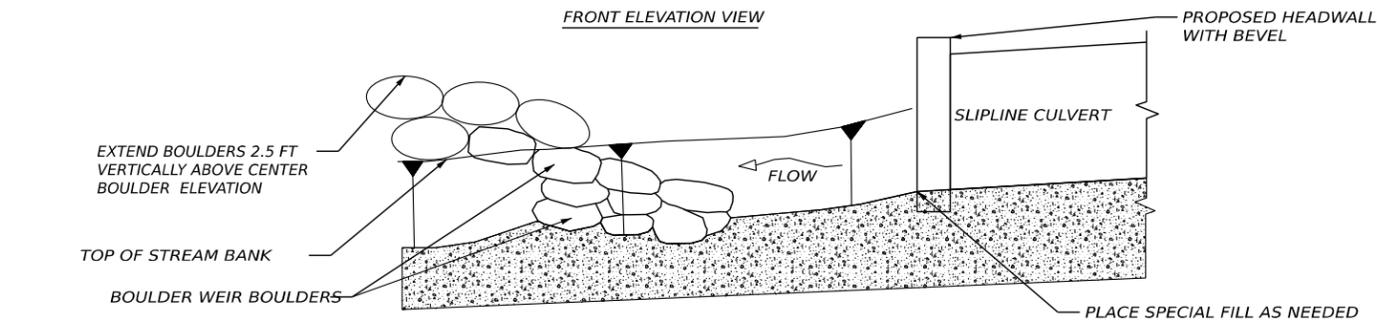
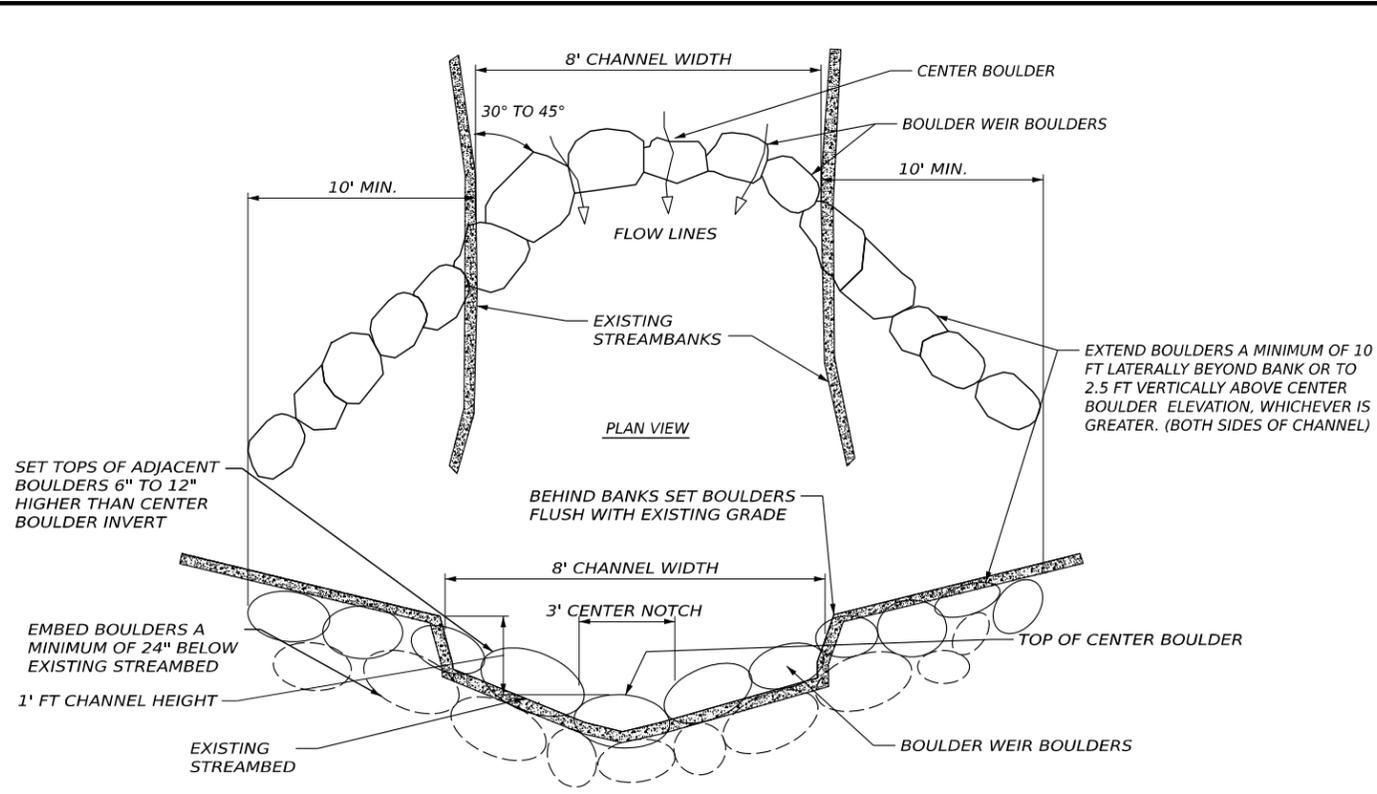
**MAINE
TURNPIKE**

**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: LAUREN FLEMING, PE

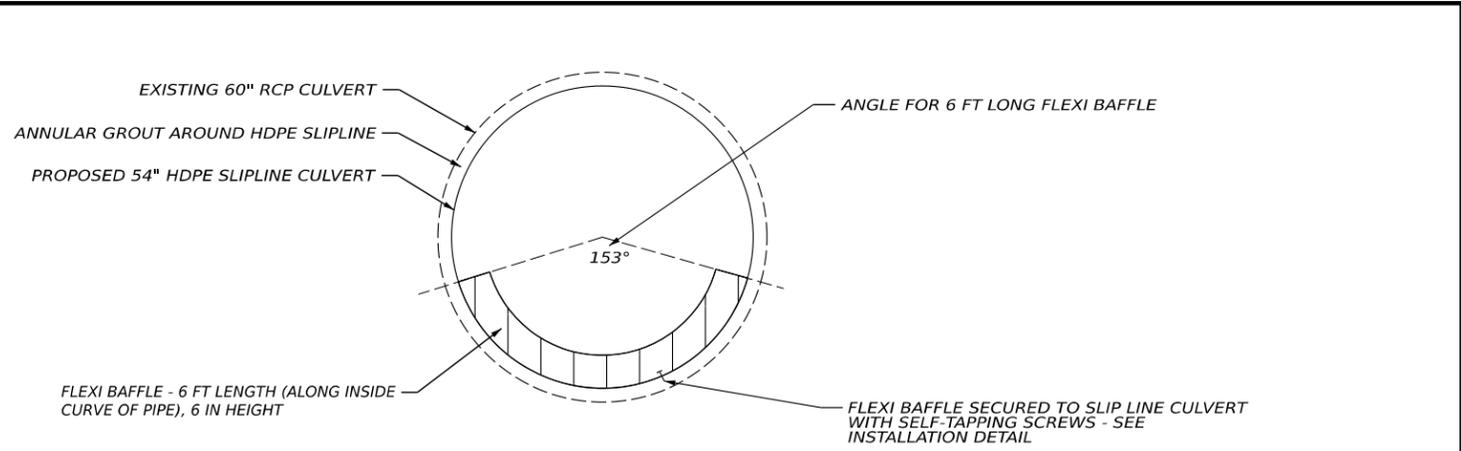
**MTA PROJECT NO. 2026.12
CULVERT REPAIRS
ACCESS WAY TYPICAL SECTIONS**

VHB: 55886.00	SHEET NUMBER: 4
CONTRACT: 2026.12	4 OF 25

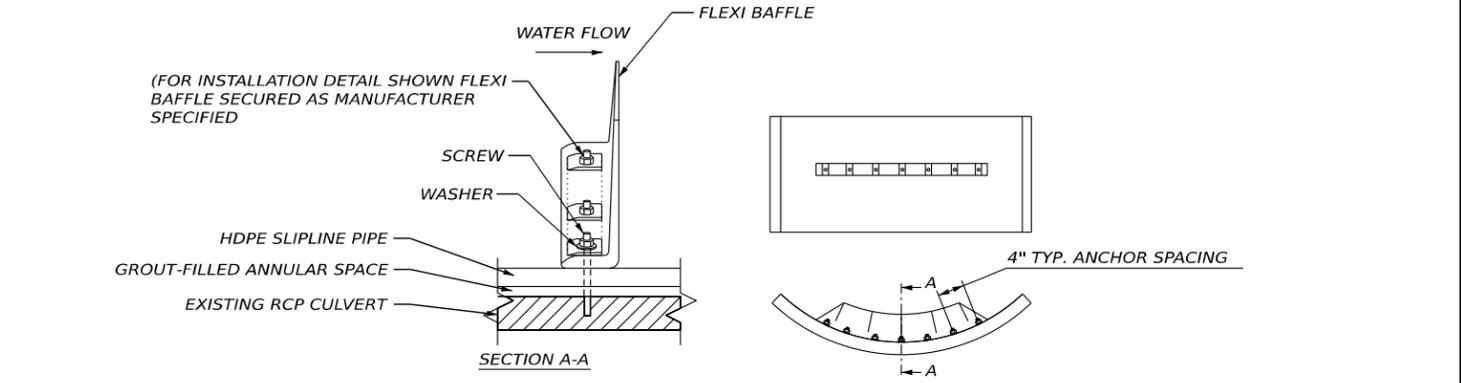


- NOTES**
- BOULDERS TO BE BETWEEN 27" AND 32" IN AVERAGE DIAMETER. SEE SPECIAL PROVISION 610 FOR ADDITIONAL DETAIL.
 - SET INVERT OF CENTER BOULDERS IN FIELD SO THAT INVERT FOR TOP WEIR IS AT LEAST 3" ABOVE FINAL OUTLET INVERT OF SLIPLINE CULVERT. INVERTS FOR MIDDLE AND BOTTOM WEIRS SHOULD BE 6" TO 9" BELOW THE ELEVATION OF THE NEXT UPSTREAM WEIR. INVERT FOR TOP WEIR EXPECTED TO BE ±369.4. INVERT FOR MIDDLE WEIR EXPECTED TO BE ±368.8. INVERT FOR BOTTOM WEIR EXPECTED TO BE ±368.2. SET BOULDERS AT LEAST 6" HIGHER ON EITHER SIDE OF CENTER BOULDER. WATER DEPTH AT SLIPLINE CULVERT OUTLET SHOULD BE AT LEAST 6" UNDER NORMAL FLOW CONDITIONS FOR FISH PASSAGE.
 - POOLS BETWEEN BOULDER WEIRS SHOULD BE GRADED SO THAT BOTTOM OF POOL ELEVATION IS AT LEAST 1.5 FT BELOW THE CENTER BOULDER INVERT OF THE DOWNSTREAM BOULDER WEIR.

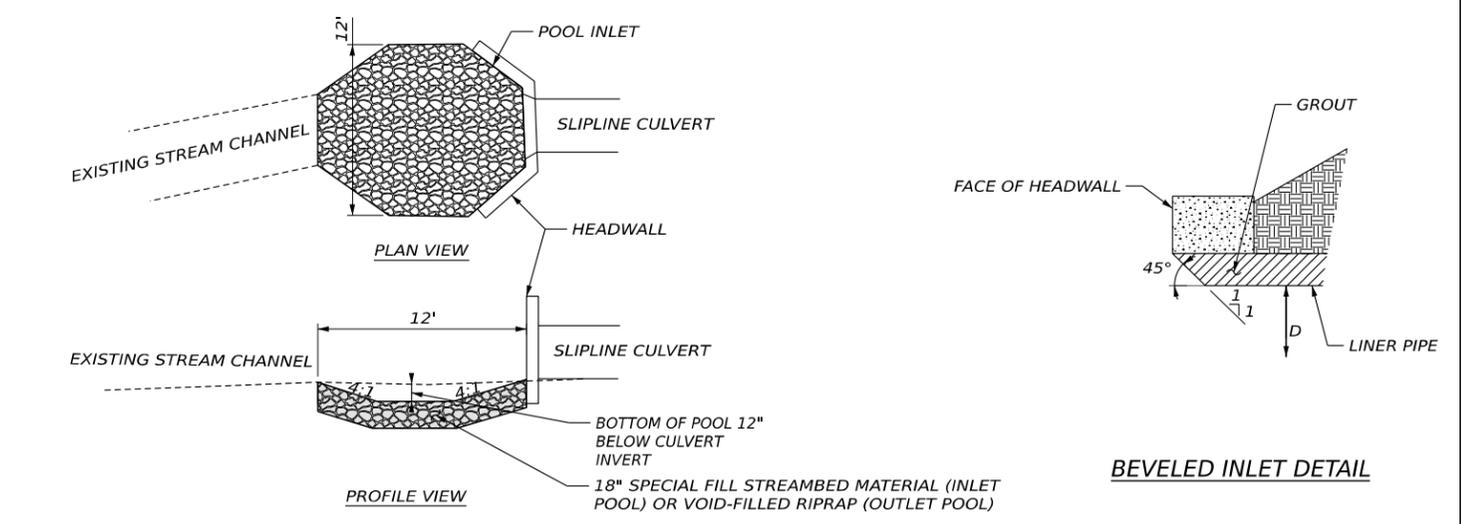
PROFILE OF ARM
BOULDER WEIR DETAIL (MM 91.30)



FLEXI BAFFLE CROSS-SECTION VIEW OF CULVERT DETAIL (UNNAMED STREAM CULVERT MM 91.30)



FLEXI BAFFLE INSTALLATION DETAIL (UNNAMED STREAM CULVERT MM 91.30)



CULVERT INLET/OUTLET POOL DETAIL

BEVELED INLET DETAIL

Date: 2/18/2026
Username: BTOMIC

Scale: **NOT TO SCALE**

No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: **ETHAN FLYNN, PE**

	By	Date		By	Date
Designed	SRP	2/18/2026	Checked	MEB	2/18/2026
Drawn	BRT	2/18/2026	In Charge of	ECF	2/18/2026

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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: LAUREN FLEMING, PE

**MTA PROJECT NO. 2026.12
CULVERT REPAIRS
STREAM DETAILS**

VHB: 55886.00
CONTRACT: 2026.12

SHEET NUMBER: 5
5 OF 25

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL TRAFFIC CONTROL EQUIPMENT AND DEVICES SHALL CONFORM TO THE 2014 EDITION OF THE MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) STANDARD SPECIFICATIONS, MAINE TURNPIKE AUTHORITY (MTA) SUPPLEMENTAL SPECIFICATIONS, CONTRACTOR SPECIFICATIONS AND APPLICABLE TRAFFIC CONTROL STANDARDS AND PRACTICES.
2. ANY SIGNS, EQUIPMENT, OR DEVICES FOUND TO BE DAMAGED OR UNSERVICEABLE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
3. TEMPORARY LANE CLOSURES WILL BE REQUIRED, WITH ADVANCED APPROVAL, WHENEVER WORK WILL OCCUR WITHIN FOUR FEET OF THE TRAVELED WAY. TEMPORARY LANE CLOSURES SHALL BE REMOVED IF NO WORK IS OCCURRING. SEE SPECIAL PROVISIONS FOR MORE INFORMATION INCLUDING AVAILABLE LANE CLOSURE TIMES.
4. ALL LANE CLOSURES SHALL REQUIRE APPROVAL FROM THE MAINE TURNPIKE AUTHORITY THROUGH THE RESIDENT. THE RESIDENT IS REQUIRED TO SUBMIT A REQUEST FOR LANE CLOSURES BY NOON ON THURSDAY FOR ANY LANE CLOSURES NEEDED FOR THE FOLLOWING WEEK. THE CONTRACTOR SHALL PLAN THE WORK AND REQUESTS FOR LANE CLOSURES ACCORDINGLY.
5. APPROACH ENDS OF TEMPORARY CONCRETE BARRIER SHALL BE PLACED OUTSIDE OF THE HIGHWAY CLEAR ZONE (MINIMUM 34 FEET FROM THE TRAVELED WAY) OR PROTECTED BY TEMPORARY IMPACT ATTENUATORS OR WITH GUARDRAIL OVERLAPS AS APPROVED BY THE RESIDENT.
7. MAXIMUM SPACING FOR CHANNELIZING DEVICES (DRUMS) ON THE MAINLINE OF THE TURNPIKE SHALL BE:
80' ON CENTER ALONG TANGENTS
40' ON CENTER ALONG TAPERS
8. WORK ZONE SPEED LIMITS SHALL ONLY BE PERMITTED WHEN TEMPORARY MAINLINE LANE CLOSURES ARE IN PLACE.

LONG CREEK CULVERT (MM 45.90) NOTES

1. LONG CREEK CULVERT IN S PORTLAND WILL BE COMPLETED WITH SHOULDER CLOSURES ALONG THE TURNPIKE. ON THE NORTHBOUND SIDE, THE SHOULDER WILL BE CLOSED WITH TEMPORARY BARRIER. ON THE SOUTHBOUND SIDE, THE SHOULDER WILL BE CLOSED WITH DRUMS ONLY TO ALLOW FOR MAINTENANCE VEHICLES ACCESS TO THE CROSBY MAINTENANCE FACILITY AT MP 45.8 SB.
2. TEMPORARY RIGHT LANE CLOSURES WILL BE REQUIRED TO SET UP THE TEMPORARY BARRIER AND SHALL FOLLOW SITE SPECIFIC LAYOUT FOR SINGLE LANE CLOSURES.

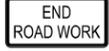
UNNAMED STREAM CULVERT (MM 57.10) NOTES

1. CULVERT IN CUMBERLAND WILL BE COMPLETED WITH TEMPORARY RIGHT SHOULDER CLOSURES. SEE MAINTENANCE OF TRAFFIC DETAILS ON SHEET 8 FOR LAYOUT. TRAFFIC CONTROL SHALL FOLLOW MTA STANDARD DETAILS FOR SHOULDER CLOSURES.

UNNAMED STREAM CULVERT (MM 91.30) NOTES

1. CULVERT IN LITCHFIELD WILL BE COMPLETED UNDER RIGHT SHOULDER CLOSURES WITH TEMPORARY BARRIER. SEE MAINTENANCE OF TRAFFIC DETAILS ON SHEET 8 FOR TEMPORARY BARRIER AND TRAFFIC CONTROL LAYOUT. TRAFFIC CONTROL SHALL FOLLOW MTA STANDARD DETAILS FOR SHOULDER CLOSURES.
2. TEMPORARY RIGHT LANE CLOSURES WILL BE REQUIRED TO SET UP THE TEMPORARY BARRIER AND SHALL FOLLOW MTA STANDARD DETAILS FOR SINGLE LANE CLOSURES.

STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCTION SIGN SUMMARY				
SIGN	TEXT DIMENSIONS (INCHES)		SIZE	QUANTITY AND COLOR
	LETTER HEIGHT	VERTICAL SPACING		
G20-2 	TEXT DIMENSIONS SHALL CONFORM TO *STANDARD HIGHWAY SIGNS* - 2012		48"x24"	1 - BLACK ON ORANGE
W7-3aP 			36"x30"	1 - BLACK ON ORANGE
W20-1 (AHEAD) 			48"x48"	2 - BLACK ON ORANGE
W21-5 			48"x48"	1 - BLACK ON ORANGE
CS-10 			48"x48"	1 - BLACK ON ORANGE

ADDITIONAL SITE SPECIFIC SIGNS

CONSTRUCTION SIGN SUMMARY				
SIGN	TEXT DIMENSIONS (INCHES)		SIZE	QUANTITY AND COLOR
	LETTER HEIGHT	VERTICAL SPACING		
R1-2 	TEXT DIMENSIONS SHALL CONFORM TO *STANDARD HIGHWAY SIGNS* - 2012		48"x48"	2 - WHITE ON RED
W3-2 			48"x48"	2 - BLACK/WHITE/RED ON ORANGE
W4-1 			48"x48"	2 - BLACK ON ORANGE
W4-5aP 			30"x24"	2 - BLACK ON ORANGE
W20-1 (AHEAD) 			48"x48"	6 - BLACK ON ORANGE
E5-2 			48"x36"	1 - BLACK ON ORANGE

Date: 2/11/2026

Username: BTOM/C

Scale: NOT TO SCALE	Designed by: 	VANASSE HANGEN BRUSTLIN, INC. 600 Southborough Dr. Suite 100 South Portland, ME 04106 TEL (207) 889-3150 FAX (207) 253-5596		THE GOLD STAR MEMORIAL HIGHWAY	MTA PROJECT NO. 2026.12 CULVERT REPAIRS MAINTENANCE OF TRAFFIC DETAILS (1 OF 3)																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Revision	By	Date													<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE</th> </tr> <tr> <th> </th> <th>By</th> <th>Date</th> <th> </th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Designed</td> <td>MLG</td> <td>2/11/2026</td> <td>Checked</td> <td>MDS</td> <td>2/11/2026</td> </tr> <tr> <td>Drawn</td> <td>JAR</td> <td>2/11/2026</td> <td>In Charge of</td> <td>ECF</td> <td>2/11/2026</td> </tr> </tbody> </table>	CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE							By	Date		By	Date	Designed	MLG	2/11/2026	Checked	MDS	2/11/2026	Drawn	JAR	2/11/2026	In Charge of	ECF	2/11/2026	MTA PROJECT MANAGER: LAUREN FLEMING, PE	VHB: 55886.00 CONTRACT: 2026.12	SHEET NUMBER: 6 6 OF 25
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TURNPIKE SHOULDER WORK AND CLOSURES

CONSTRUCTION SIGN SUMMARY				
SIGN	TEXT DIMENSIONS (INCHES)		SIZE	QUANTITY AND COLOR
	LETTER HEIGHT	VERTICAL SPACING		
G20-2 	TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS" - 2012		48"x24"	2 - BLACK ON ORANGE
W20-1 (AHEAD) 			48"x48"	4 - BLACK ON ORANGE
W21-5 			48"x48"	2 - BLACK ON ORANGE
W21-5aR 			48"x48"	2 - BLACK ON ORANGE
W21-5bR 			48"x48"	2 - BLACK ON ORANGE

TEMPORARY SINGLE AND DOUBLE LANE CLOSURES

CONSTRUCTION SIGN SUMMARY				
SIGN	TEXT DIMENSIONS (INCHES)		SIZE	QUANTITY AND COLOR
	LETTER HEIGHT	VERTICAL SPACING		
CS-3 	7"	4"	48"x48"	4 - BLACK ON ORANGE
G20-2 	TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS" - 2012		48"x24"	4 - BLACK ON ORANGE
G20-5aP 			36"x24"	4 - BLACK ON ORANGE
R2-1(50) 			48"x60"	4 - BLACK ON WHITE
R2-1(60) 			48"x60"	4 - BLACK ON WHITE
R2-6aP 			36"x24"	4 - BLACK ON WHITE
R2-12 			36"x54"	4 - BLACK ON WHITE
W3-4 			48"x48"	4 - BLACK ON ORANGE
W3-5(50) 			48"x48"	4 - BLACK ON ORANGE
W3-5(60) 			48"x48"	4 - BLACK ON ORANGE

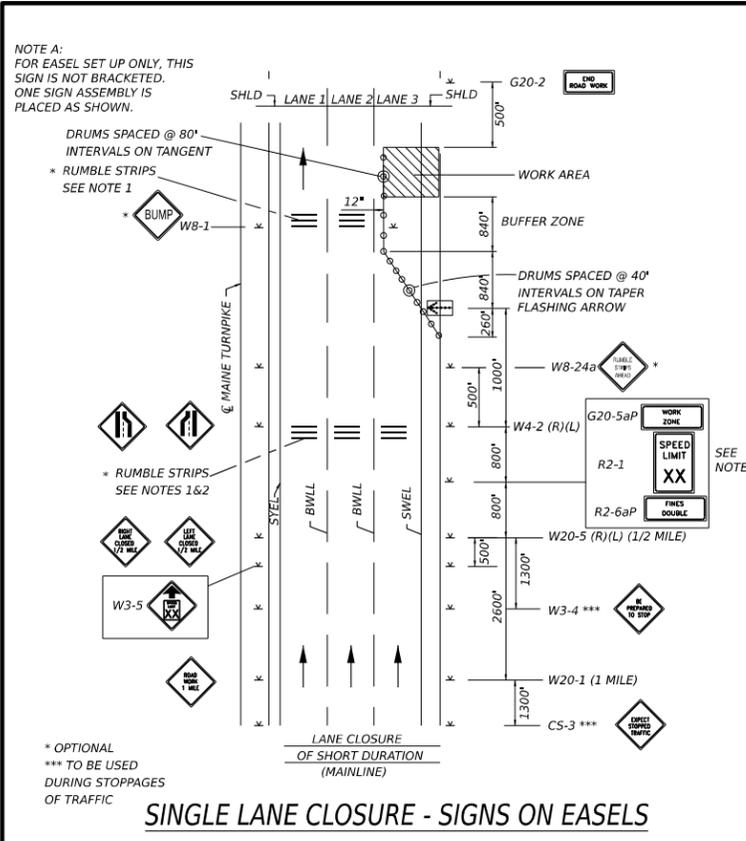
TEMPORARY SINGLE LANE CLOSURES CONTINUED

CONSTRUCTION SIGN SUMMARY				
SIGN	TEXT DIMENSIONS (INCHES)		SIZE	QUANTITY AND COLOR
	LETTER HEIGHT	VERTICAL SPACING		
W4-2R 	TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS" - 2012		48"x48"	4 - BLACK ON ORANGE
W8-1 			48"x48"	4 - BLACK ON ORANGE
W8-24a 			48"x48"	4 - BLACK ON ORANGE
W20-1 			48"x48"	4 - BLACK ON ORANGE
W20-5R 			48"x48"	4 - BLACK ON ORANGE

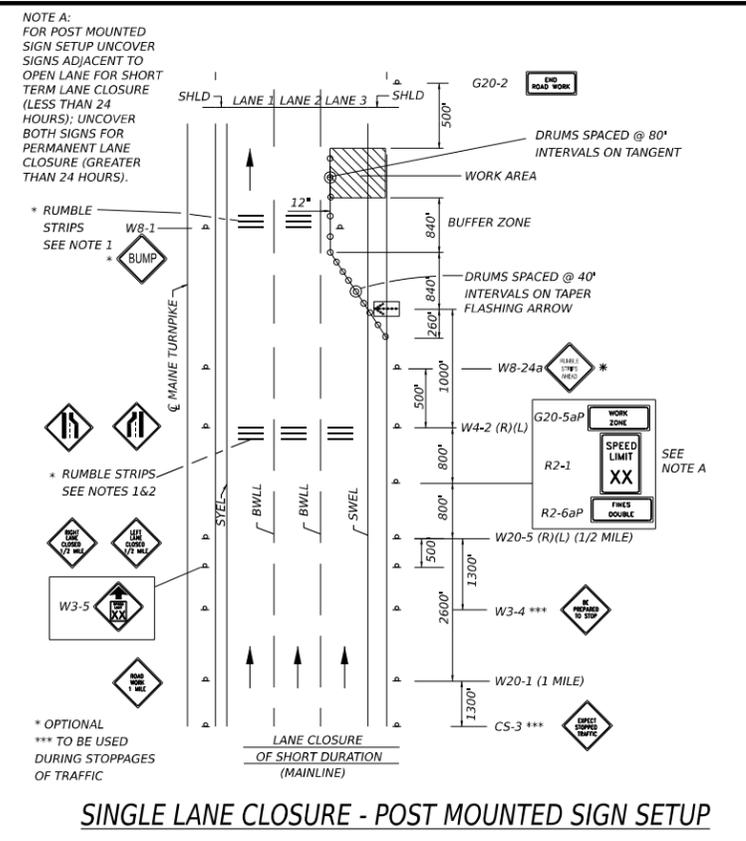
Date: 2/11/2026

Username: BTOM/C

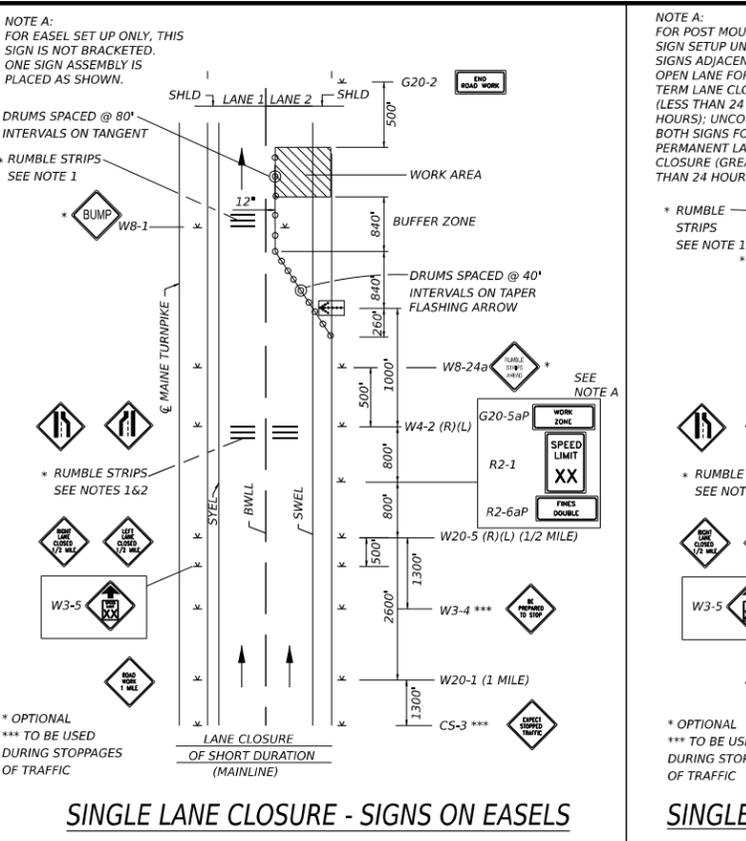
Scale: NOT TO SCALE		Designed by: 		VANASSE HANGEN BRUSTLIN, INC. 600 Southborough Dr. Suite 100 South Portland, ME 04106 TEL (207) 889-3150 FAX (207) 253-5596		 THE GOLD STAR MEMORIAL HIGHWAY		MTA PROJECT NO. 2026.12 CULVERT REPAIRS MAINTENANCE OF TRAFFIC DETAILS (2 OF 3)	
No.	Revision	By	Date	CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE		MTA PROJECT MANAGER: LAUREN FLEMING, PE		VHB: 55886.00 CONTRACT: 2026.12	
				Designed	MLG	2/11/2026	Checked	MDS	2/11/2026
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								SHEET NUMBER: 7 OF 25	



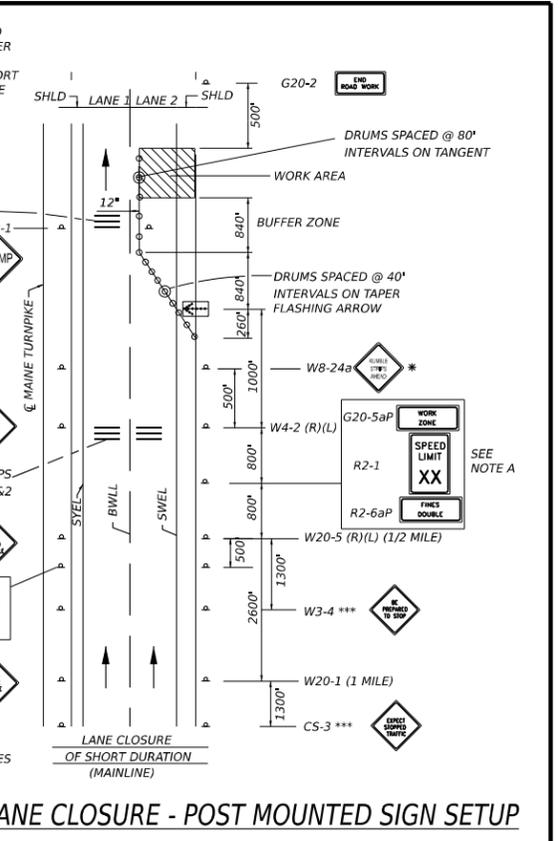
SINGLE LANE CLOSURE - SIGNS ON EASELS



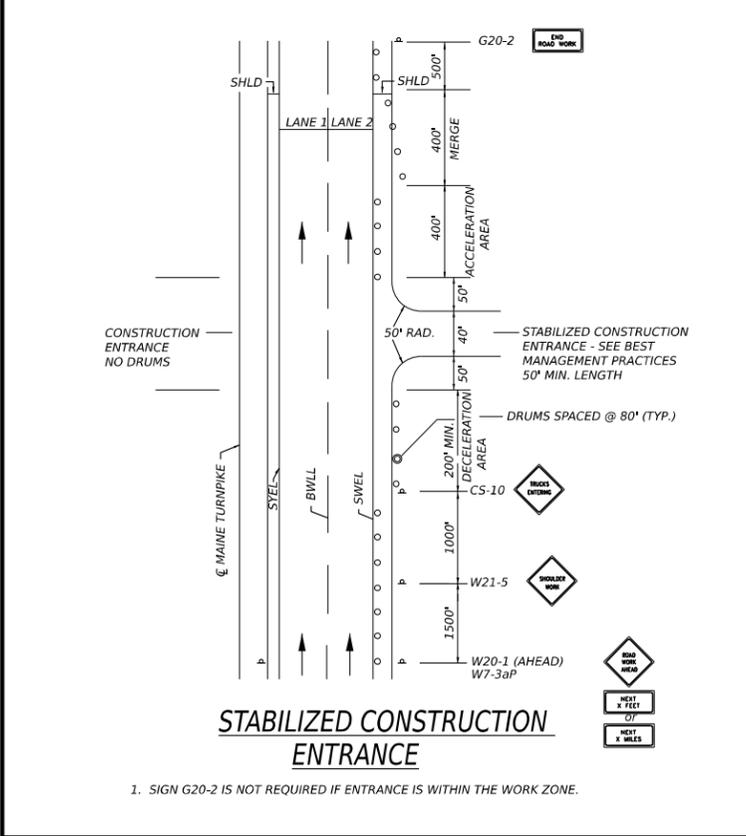
SINGLE LANE CLOSURE - POST MOUNTED SIGN SETUP



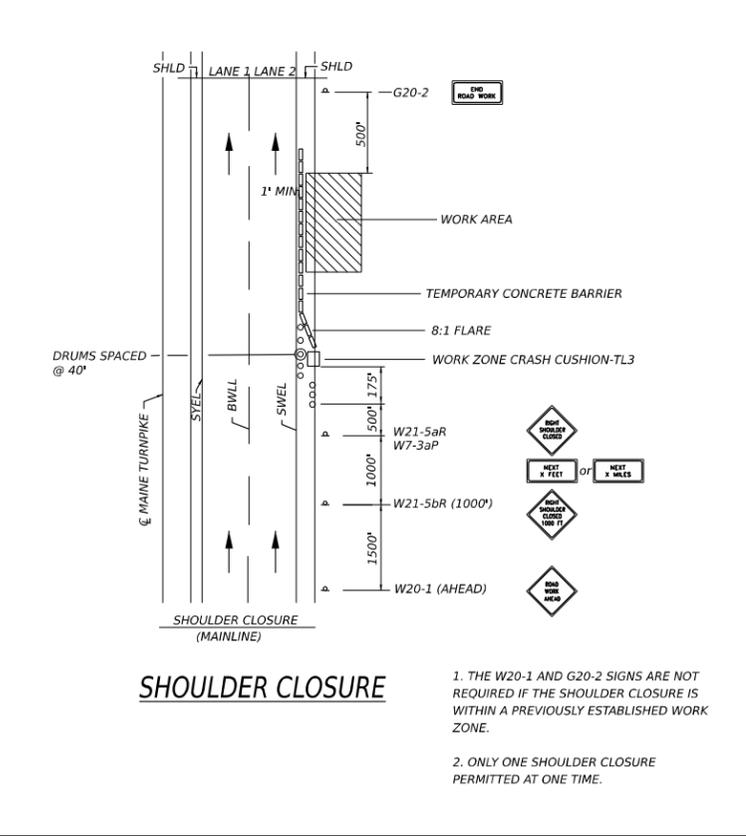
SINGLE LANE CLOSURE - SIGNS ON EASELS



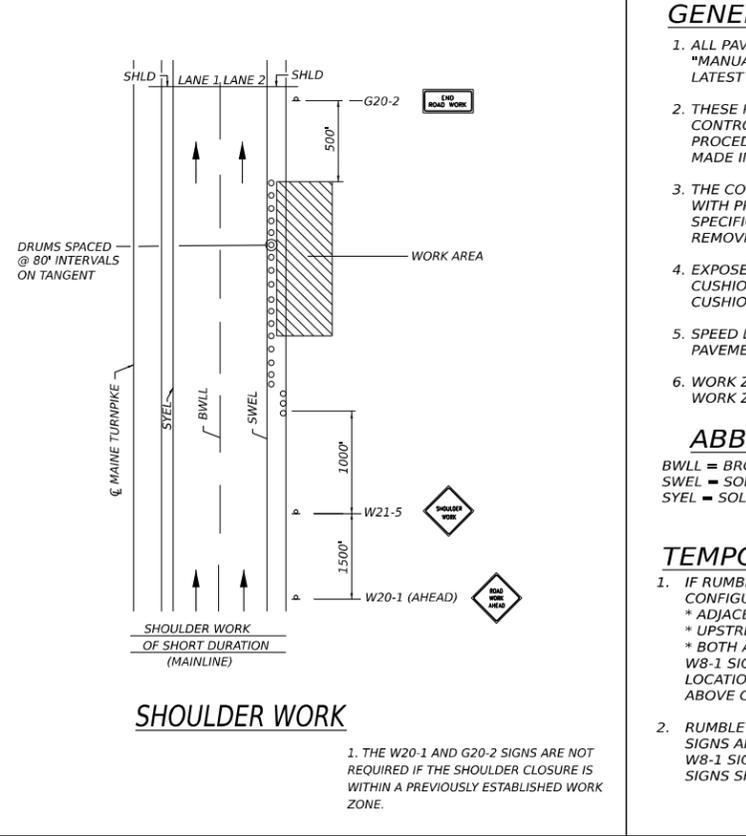
SINGLE LANE CLOSURE - POST MOUNTED SIGN SETUP



STABILIZED CONSTRUCTION ENTRANCE



SHOULDER CLOSURE



SHOULDER WORK

GENERAL MAINTENANCE OF TRAFFIC NOTES:

- ALL PAVEMENT STRIPING & SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", U.S.D.O.T., F.H.W.A., LATEST EDITION.
- THESE PLANS SHOW THE GENERAL CONDITION FOR TURNPIKE MAINLINE TRAFFIC CONTROL. DURING CONSTRUCTION, SLIGHT MODIFICATIONS IN CONSTRUCTION PROCEDURE MAY OCCUR AND MAY REQUIRE SOME MINOR ADJUSTMENTS TO BE MADE IN THE FIELD, ALL PROCEDURES MUST BE APPROVED BY THE RESIDENT.
- THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND MUTCD. PAYMENT SHALL BE MADE UNDER ITEM 627.77 - REMOVING PAVEMENT MARKINGS.
- EXPOSED BARRIER ENDS SHALL BE PROTECTED BY A WORK ZONE CRASH CUSHION. PAYMENT WILL BE UNDER ITEM 527.341 - WORK ZONE CRASH CUSHION - TL-3.
- SPEED LIMIT, STOP AND YIELD SIGNS SHALL BE A MINIMUM OF 5' ABOVE THE PAVEMENT.
- WORK ZONE SPEED LIMIT ASSEMBLY MAY BE REPLACED WITH AN AUTOMATED WORK ZONE SPEED LIMIT SIGN.

ABBREVIATIONS FOR ALL M.O.T. PLANS

BWLL = BROKEN WHITE LANE LINE TBWLL = TEMPORARY BROKEN WHITE LANE LINE
 SWEL = SOLID WHITE EDGE LINE TDWEL = TEMPORARY DOTTED WHITE EDGE LINE
 SYEL = SOLID YELLOW EDGE LINE TSWEL = TEMPORARY SOLID WHITE EDGE LINE
 TSWL = TEMPORARY SOLID WHITE LANE LINE
 TSYCL = TEMPORARY SOLID YELLOW CENTER LINE

TEMPORARY RUMBLE STRIP NOTES

- IF RUMBLE STRIPS ARE USED THEY SHALL BE PLACED IN ONE OF THE FOLLOWING CONFIGURATIONS:
 * ADJACENT TO THE WORK ZONE (1 UNIT)
 * UPSTREAM FROM THE TAPER FOR THE WORKZONE (2 UNITS)
 * BOTH ADJACENT TO THE WORKZONE AND PRIOR TO THE TAPER (3 UNITS)
 W8-1 SIGNS SHALL BE PLACED ADJACENT TO THE FIRST RUMBLE STRIP AT ANY LOCATION. ONLY ONE SET OF W8-24a SIGNS ARE REQUIRED FOR ANY OF THE ABOVE CONFIGURATIONS.
- RUMBLE STRIPS MAY BE PLACED UPSTREAM OF THE TAPER BETWEEN THE W3-5 SIGNS AND THE W4-2 SIGNS. IF RUMBLE STRIPS ARE INSTALLED PRIOR TO TAPER, W8-1 SIGNS SHALL BE PLACED ADJACENT TO THE FIRST STRIP AND THE W8-24a SIGNS SHALL BE MOVED TO 400' AFTER THE W20-5 SIGNS.

Date: 2/11/2026
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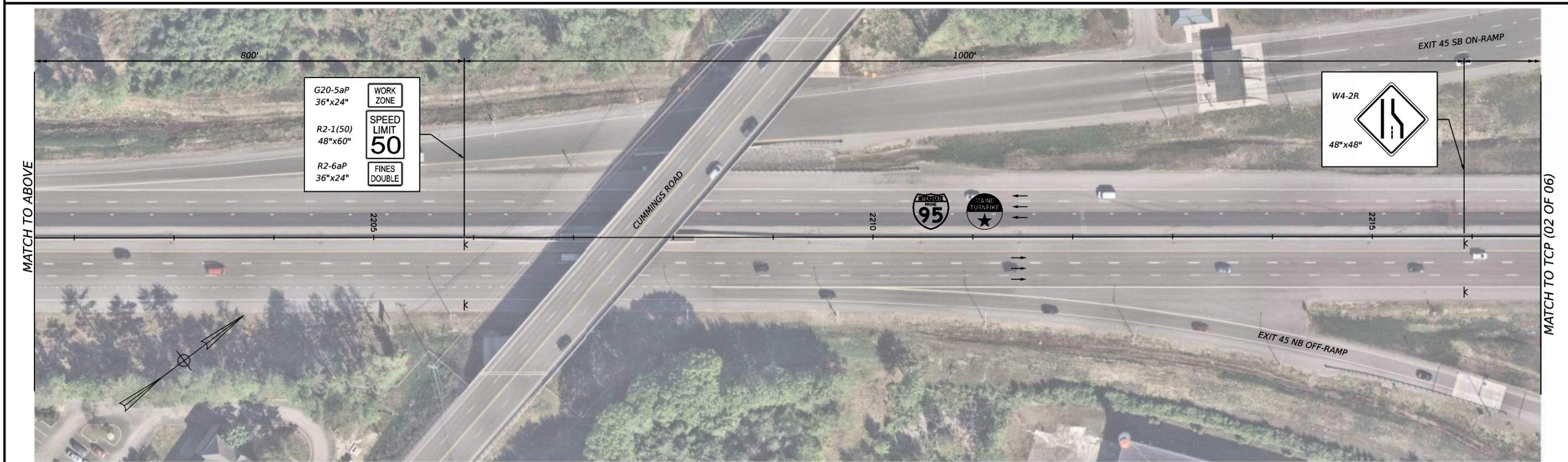
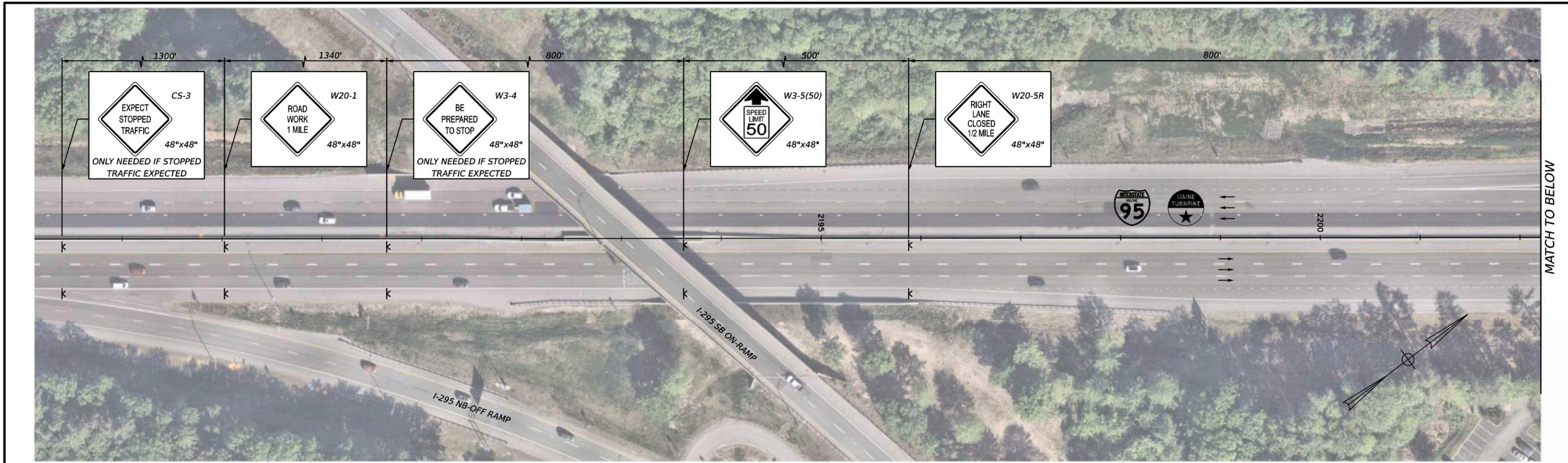
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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: LAUREN FLEMING, PE

MTA PROJECT NO. 2026.12
CULVERT REPAIRS
MAINTENANCE OF TRAFFIC DETAILS
(3 OF 3)

VHB: 55886.00 SHEET NUMBER: 8
 CONTRACT: 2026.12 8 OF 25



Username: BTOMIC
 Date: 2/11/2026

Scale: 1" = 50'

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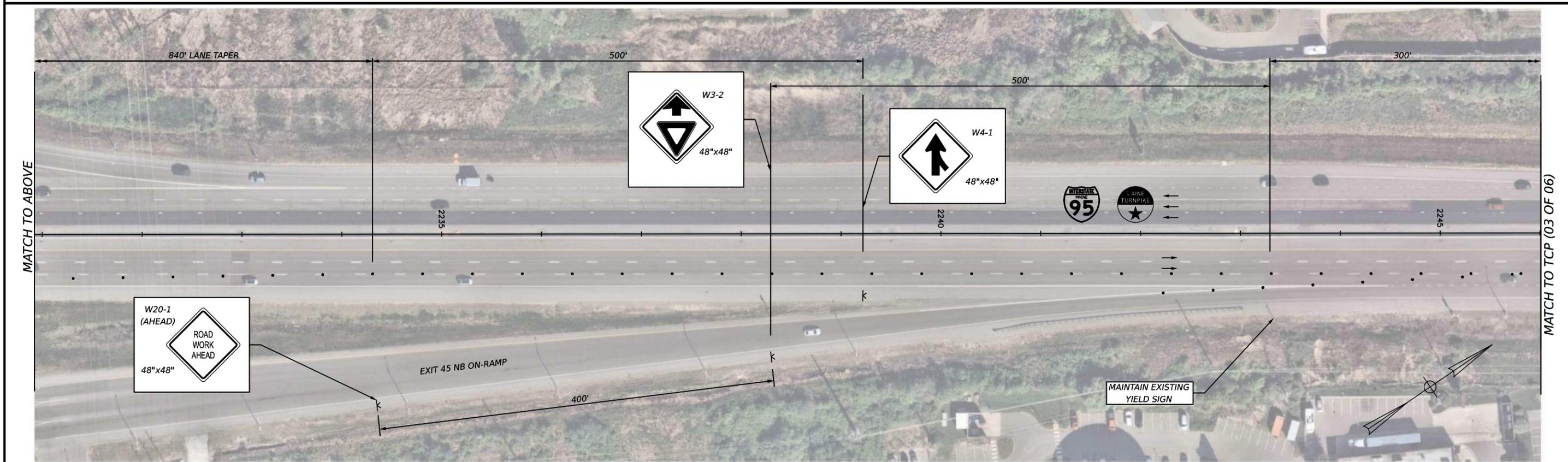
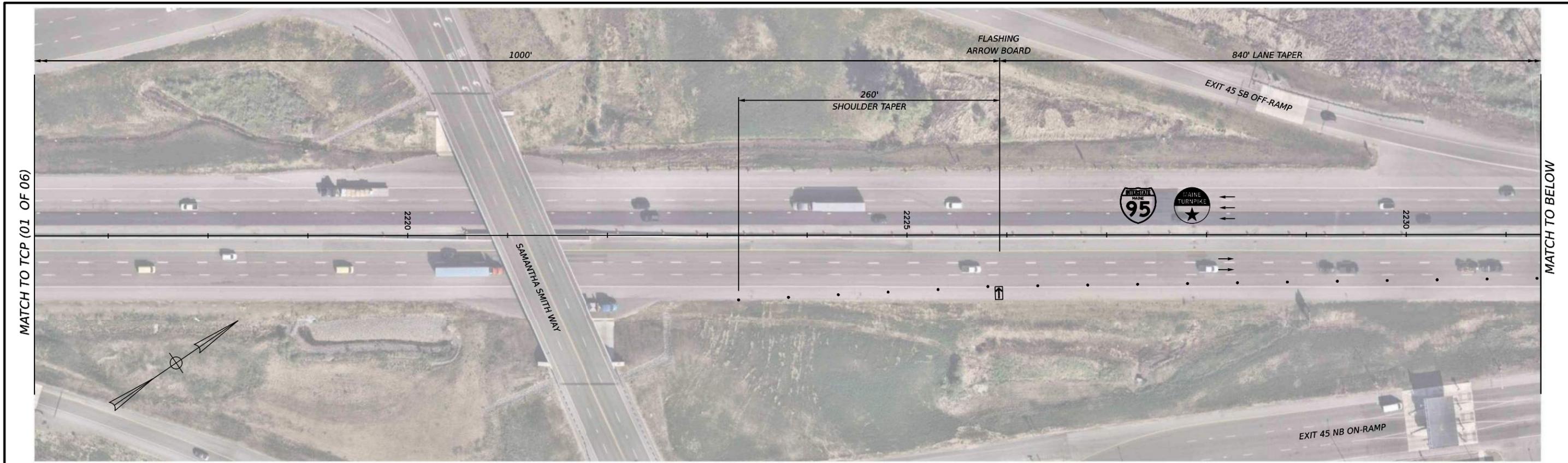


**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: LAUREN FLEMING, PE

MTA PROJECT NO. 2026.12
 CULVERT REPAIRS
 LONG CREEK CULVERT (MM 45.90)
 TRAFFIC CONTROL PLAN (01 OF 06)

VHB: 55886.00 SHEET NUMBER: 9
 CONTRACT: 2026.12 9 OF 25



Date: 2/11/2026
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No.	Revision	By	Date

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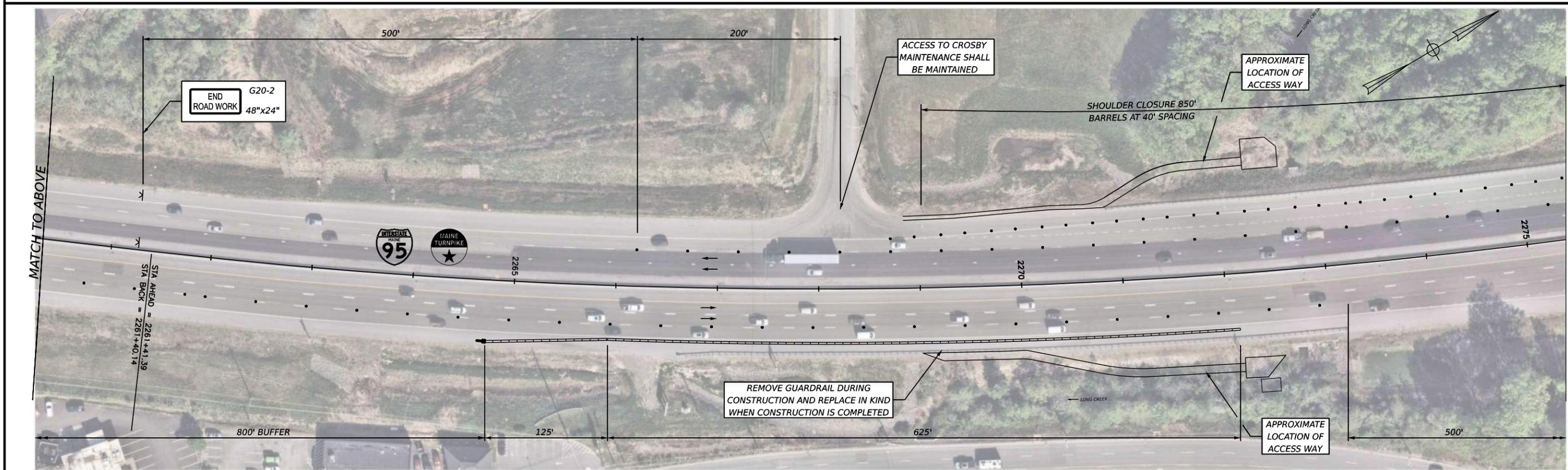
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: LAUREN FLEMING, PE

MTA PROJECT NO. 2026.12
CULVERT REPAIRS
LONG CREEK CULVERT (MM 45.90)
TRAFFIC CONTROL PLAN (02 OF 06)

VHB: 55886.00
CONTRACT: 2026.12

SHEET NUMBER: 10
10 OF 25



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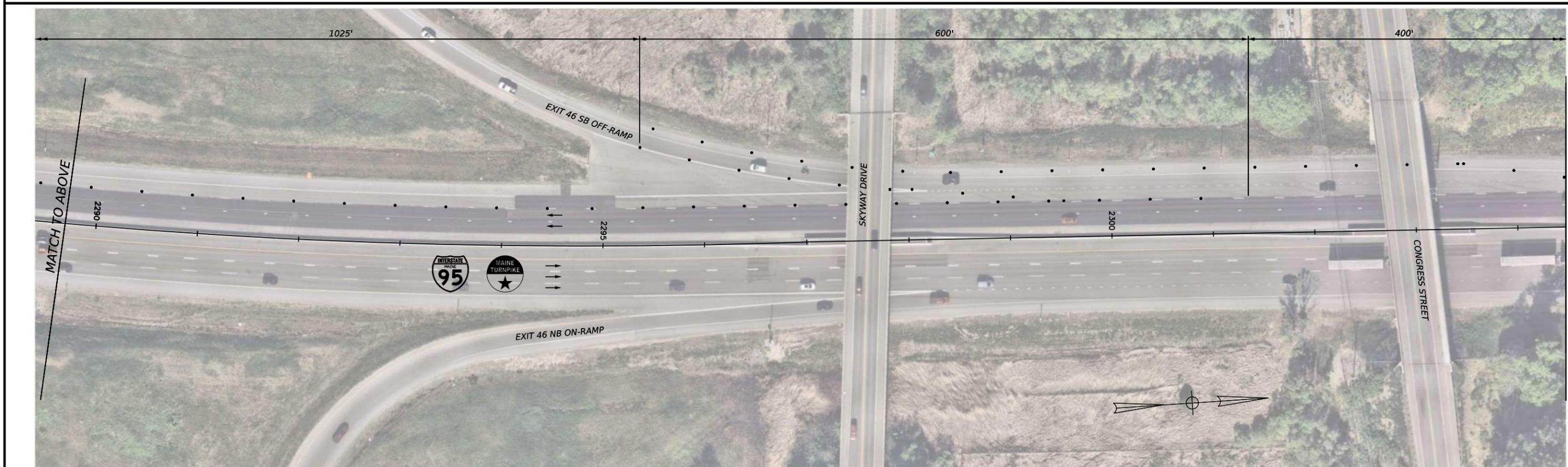
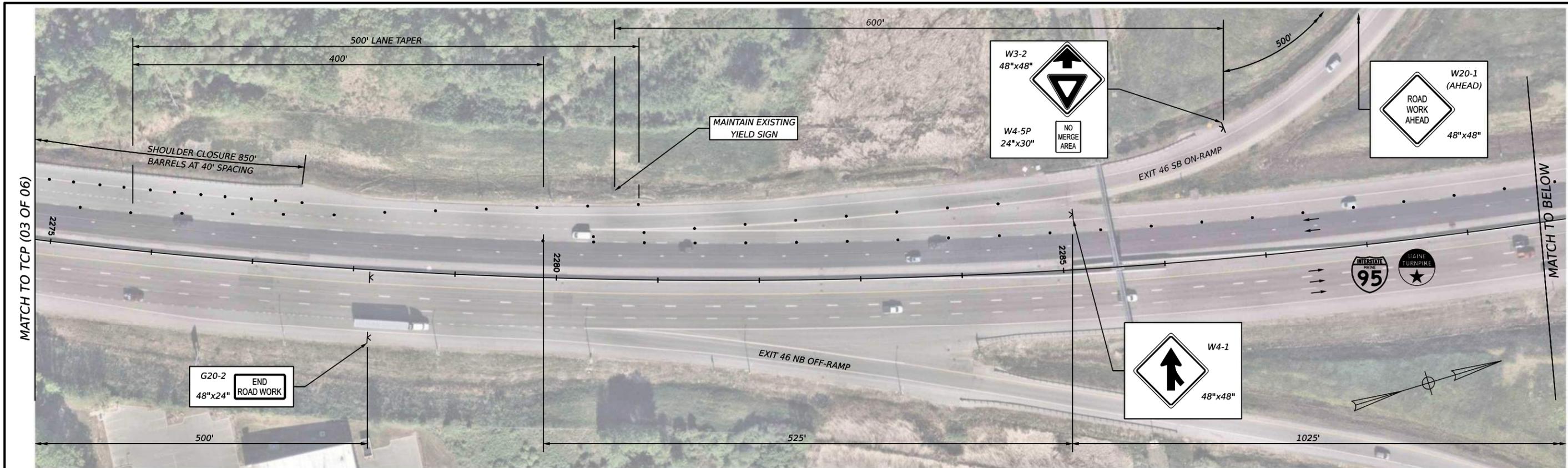
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: LAUREN FLEMING, PE

**MTA PROJECT NO. 2026.12
CULVERT REPAIRS
LONG CREEK CULVERT (MM 45.90)
TRAFFIC CONTROL PLAN (03 OF 06)**

VHB: 55886.00
CONTRACT: 2026.12

SHEET NUMBER: 11
11 OF 25



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CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE

	By	Date		By	Date
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Drawn	JAR	2/11/2026	In Charge of	ECF	2/11/2026

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THE GOLD STAR MEMORIAL HIGHWAY

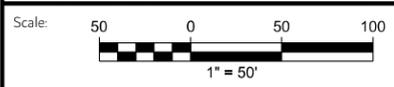
MTA PROJECT MANAGER: LAUREN FLEMING, PE

MTA PROJECT NO. 2026.12
 CULVERT REPAIRS
 LONG CREEK CULVERT (MM 45.90)
 TRAFFIC CONTROL PLAN (04 OF 06)

VHB: 55886.00 SHEET NUMBER: 12
 CONTRACT: 2026.12 12 OF 25



Date: 2/11/2026
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CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE

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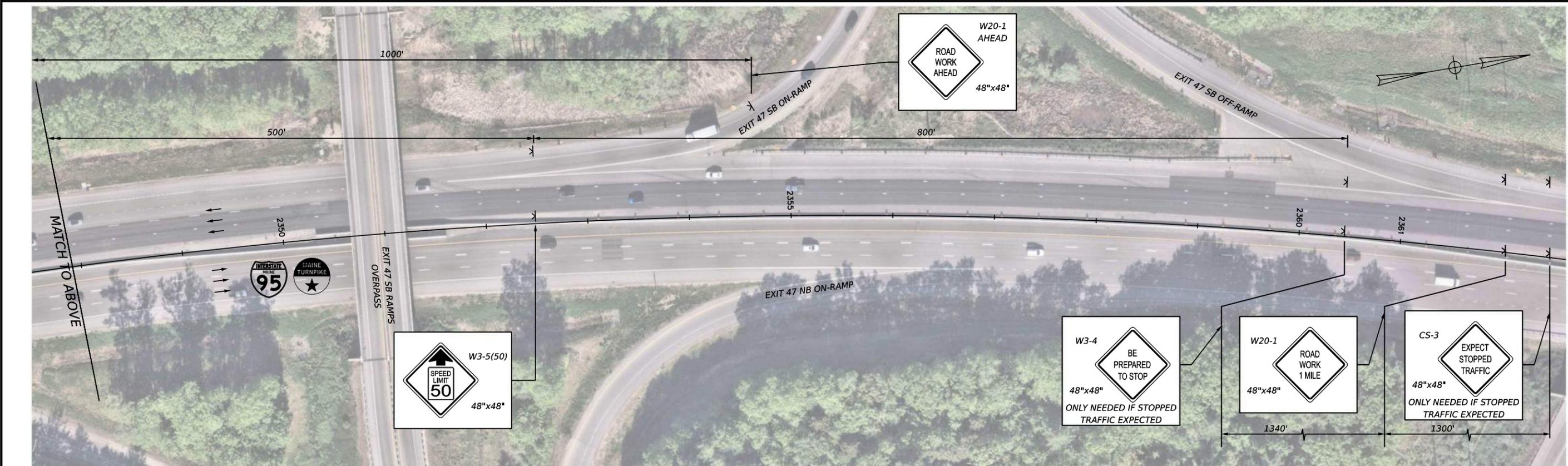
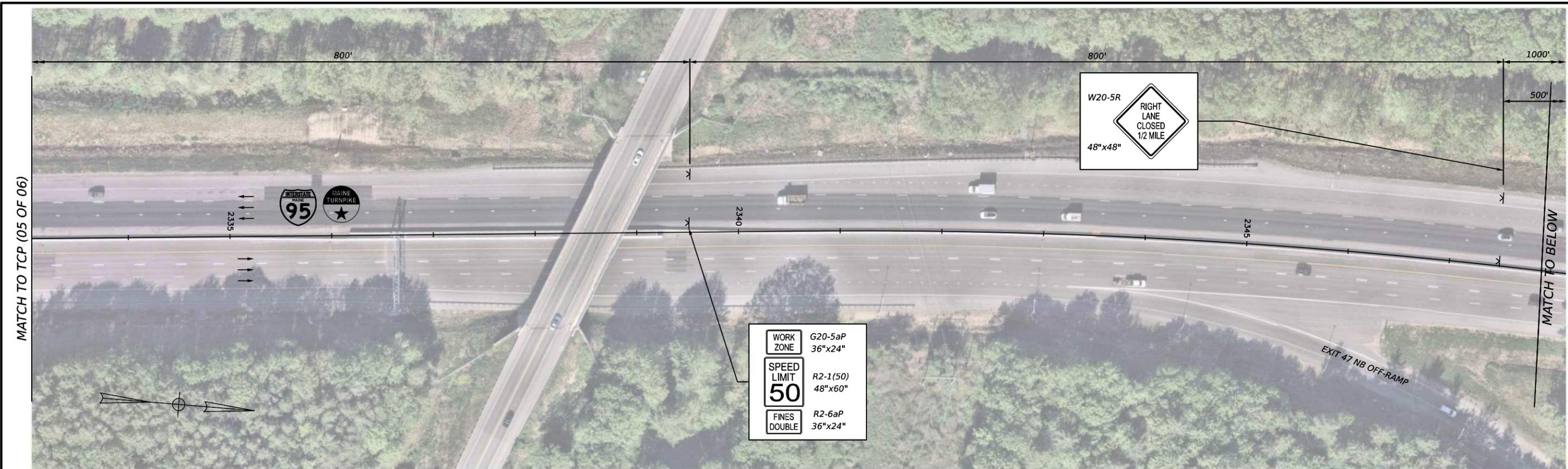
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MTA PROJECT MANAGER: LAUREN FLEMING, PE

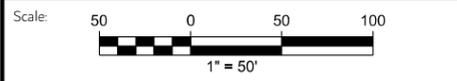
MTA PROJECT NO. 2026.12
CULVERT REPAIRS
LONG CREEK CULVERT (MM 45.90)
TRAFFIC CONTROL PLAN (05 OF 06)

VHB: 55886.00
CONTRACT: 2026.12

SHEET NUMBER: 13
13 OF 25



Username: BTOMIC
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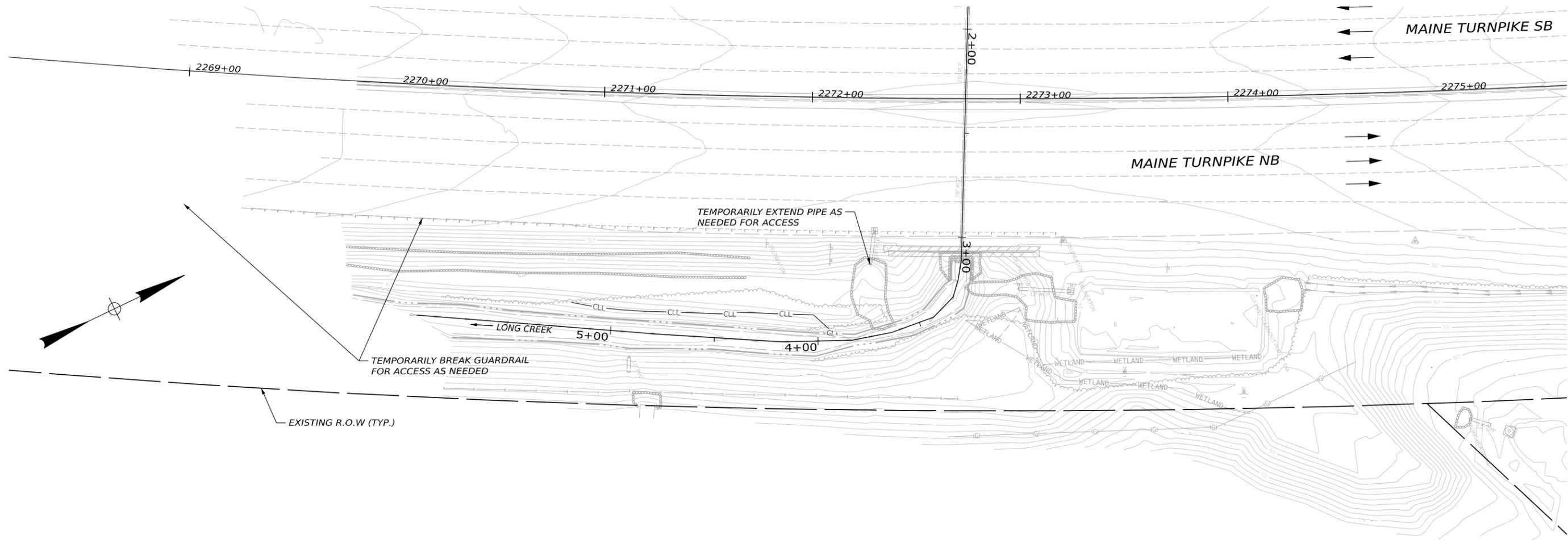
**MTA PROJECT NO. 2026.12
 CULVERT REPAIRS
 LONG CREEK CULVERT (MM 45.90)
 TRAFFIC CONTROL PLAN (06 OF 06)**

No.	Revision	By	Date

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MTA PROJECT MANAGER: LAUREN FLEMING, PE

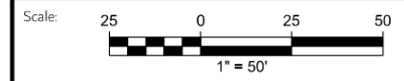
VHB: 55886.00
 CONTRACT: 2026.12
 SHEET NUMBER: 14
 14 OF 25



NOTES:

1. FELLING OF TREES WITHIN THE CLEARING LIMITS WILL BE COMPLETED BY OTHERS BEFORE APRIL 1, 2026.
2. GRAVEL ACCESS WAY OR WORKPAD TO REMAIN SHALL BE RESTORED BY PLACING LOAM AND SEED TO ENSURE A STABLE AND VEGETATED GROUND.
3. MAINTENANCE OF TRAFFIC NOT SHOWN. SEE TRAFFIC CONTROL PLANS.

Date: 2/11/2026
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No.	Revision	By	Date

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CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE

	By	Date	Checked	By	Date
Designed	SRP	2/11/2026	Checked	MEB	2/11/2026
Drawn	BRT	2/11/2026	In Charge of	ECF	2/11/2026

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: LAUREN FLEMING, PE

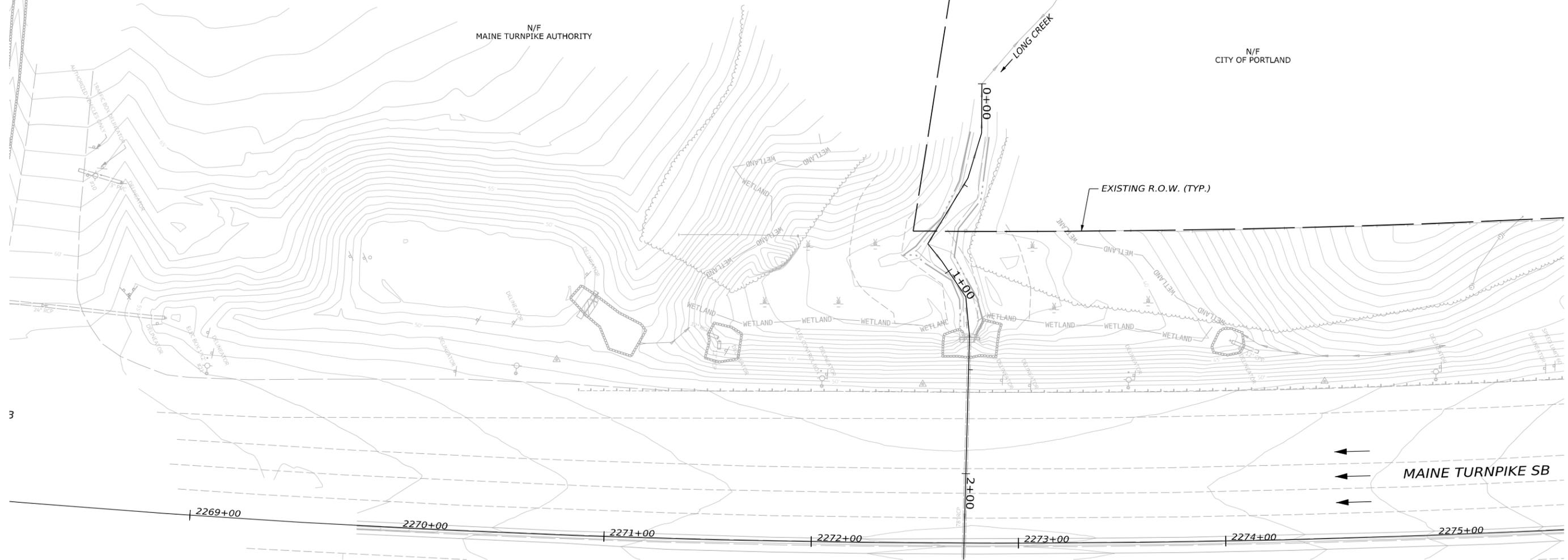
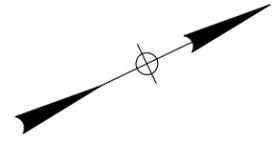
**MTA PROJECT NO. 2026.12
CULVERT REPAIRS
LONG CREEK CULVERT (MM 45.90)
EXISTING CONDITIONS (NB)**

VHB: 55886.00
CONTRACT: 2026.12

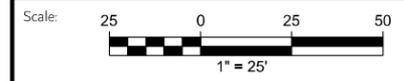
SHEET NUMBER: 15
15 OF 25

NOTES:

1. FELLING OF TREES WITHIN THE CLEARING LIMITS WILL BE COMPLETED BY OTHERS BEFORE APRIL 1, 2026.
2. GRAVEL ACCESS WAY OR WORKPAD TO REMAIN SHALL BE RESTORED BY PLACING LOAM AND SEED TO ENSURE A STABLE AND VEGETATED GROUND.
3. MAINTENANCE OF TRAFFIC NOT SHOWN. SEE TRAFFIC CONTROL PLANS.



Date: 2/11/2026
Username: BTOMC



No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE			
	By	Date	
Designed	SRP	2/11/2026	Checked
			By
Drawn	BRT	2/11/2026	In Charge of
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			Date
			2/11/2026

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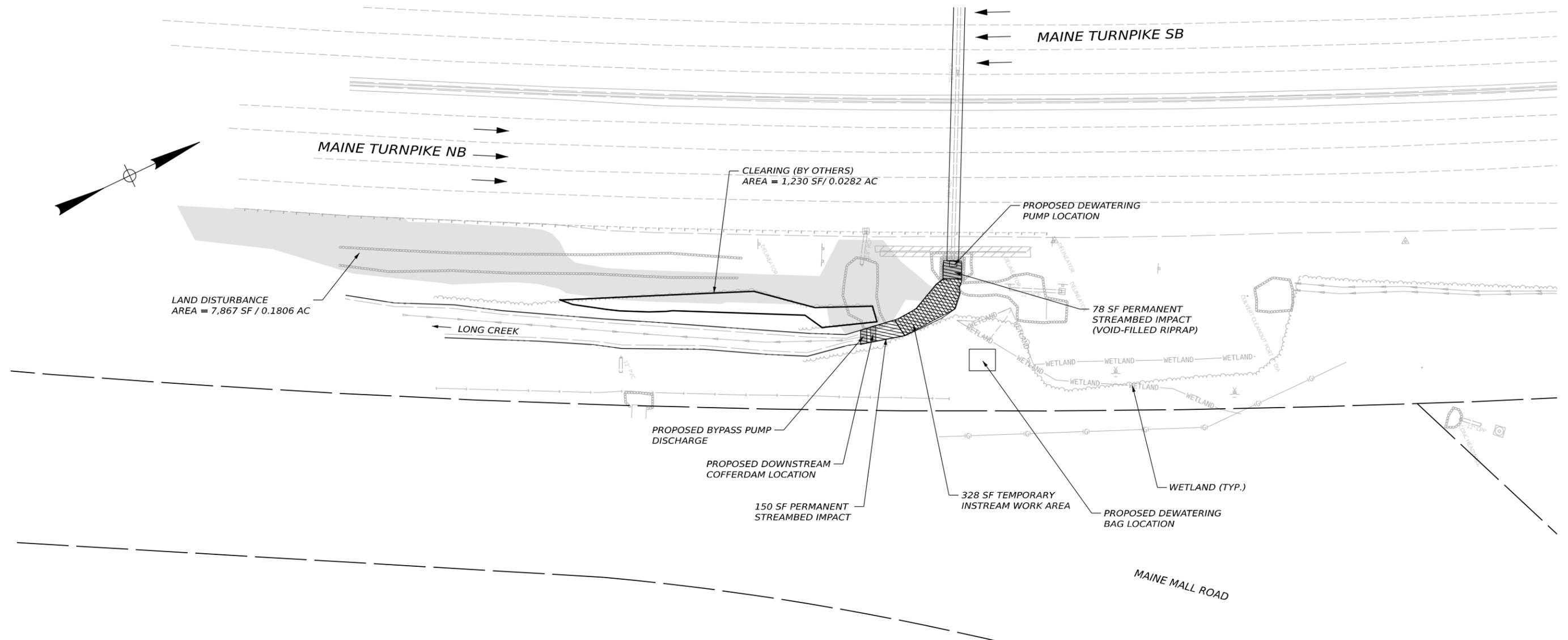
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: LAUREN FLEMING, PE

**MTA PROJECT NO. 2026.12
CULVERT REPAIRS
LONG CREEK CULVERT (MM 45.90)
EXISTING CONDITIONS (SB)**

VHB: 55886.00	SHEET NUMBER: 16
CONTRACT: 2026.12	16 OF 25

Date: 2/11/2026
Username: BTOMIC



NOTE:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL DESIGN OF ANY REQUIRED ACCESS WAYS. ALL ACCESS WAYS SHALL BE CONSTRUCTED WITHIN THE LIMITS OF INSTREAM AND WETLAND IMPACTS SHOWN ON THIS SHEET. LIMITS OF DISTURBANCE ARE LIMITED TO NO MORE THAN THE TOTAL AREA SHOWN ON THIS SHEET WITHIN THE GENERAL LIMITS OF THE SITE.
2. ON BOTH UPSTREAM AND DOWNSTREAM ENDS OF THE CULVERT, THE CONTRACTOR SHALL DISPOSE OF ALL DEBRIS CREATED DURING CLEARING OPERATIONS AND SHALL REMOVE ALL STUMPS REMAINING FROM TREE REMOVAL.

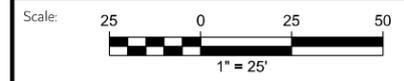
LEGEND:

- WETLAND — WETLAND
- ORDINARY HIGH WATER — ORDINARY HIGH WATER
- CHANNEL CENTERLINE — CHANNEL CENTERLINE

29 LF OF PERMANENT IN-STREAM IMPACT
36 LF OF TEMPORARY IN-STREAM IMPACT

KEY

- LAND DISTURBANCE = 7,867 SF / 0.1806 AC
- CLEARING AREA = 1,230 SF / 0.0282 AC
- PERMANENT STREAMBED IMPACT = 228 SF
- TEMPORARY INSTREAM WORK AREA = 328 SF



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FAX (207) 253-5596



**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: LAUREN FLEMING, PE

**MTA PROJECT NO. 2026.12
CULVERT REPAIRS
LONG CREEK CULVERT (MM45.90)
DISTURBANCE IMPACT PLAN - (NORTHBOUND)**

VHB: 55886.00 SHEET NUMBER: 17
CONTRACT: 2026.12 17 OF 25

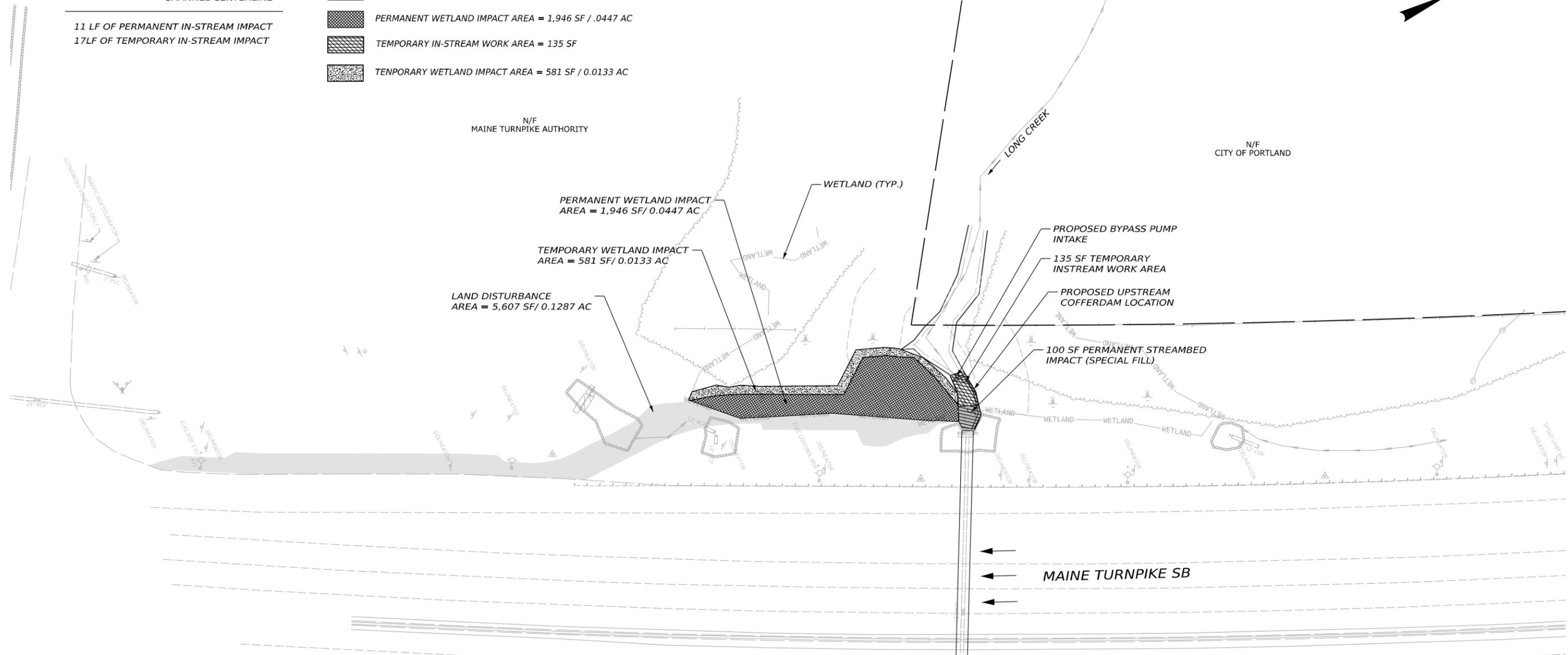
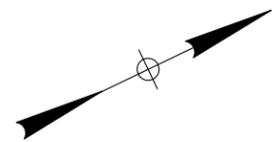
LEGEND:

- WETLAND
- ORDINARY HIGH WATER
- CHANNEL CENTERLINE

11 LF OF PERMANENT IN-STREAM IMPACT
17LF OF TEMPORARY IN-STREAM IMPACT

KEY

- LAND DISTURBANCE = 5,607 SF / 0.1287 AC
- PERMANENT IN-STREAM IMPACT = 100 SF
- PERMANENT WETLAND IMPACT AREA = 1,946 SF / .0447 AC
- TEMPORARY IN-STREAM WORK AREA = 135 SF
- TEMPORARY WETLAND IMPACT AREA = 581 SF / 0.0133 AC



NOTE:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL DESIGN OF ANY REQUIRED ACCESS WAYS. ALL ACCESS WAYS SHALL BE CONSTRUCTED WITHIN THE LIMITS OF INSTREAM AND WETLAND IMPACTS SHOWN ON THIS SHEET. LIMITS OF DISTURBANCE ARE LIMITED TO NO MORE THAN THE TOTAL AREA SHOWN ON THIS SHEET WITHIN THE GENERAL LIMITS OF THE SITE.
2. ON BOTH UPSTREAM AND DOWNSTREAM ENDS OF THE CULVERT, THE CONTRACTOR SHALL DISPOSE OF ALL DEBRIS CREATED DURING CLEARING OPERATIONS AND SHALL REMOVE ALL STUMPS REMAINING FROM TREE REMOVAL.

Date: 2/11/2026
Username: BTOMIC

Scale: 1" = 25'

No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE

	By	Date		By	Date
Designed	SRP	2/11/2026	Checked	MEB	2/11/2026
Drawn	BRT	2/11/2026	In Charge of	ECF	2/11/2026

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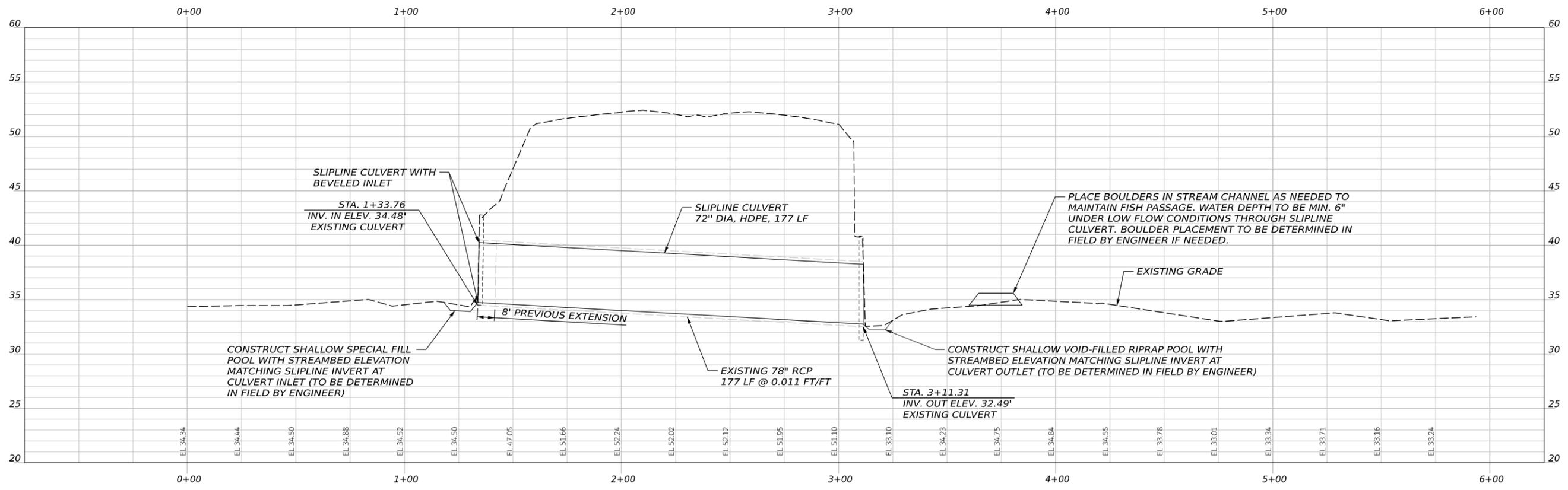
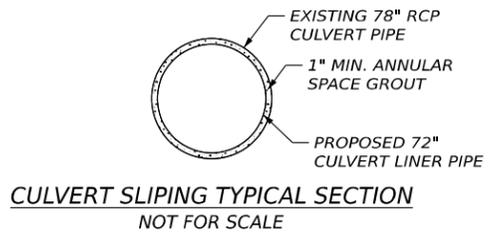
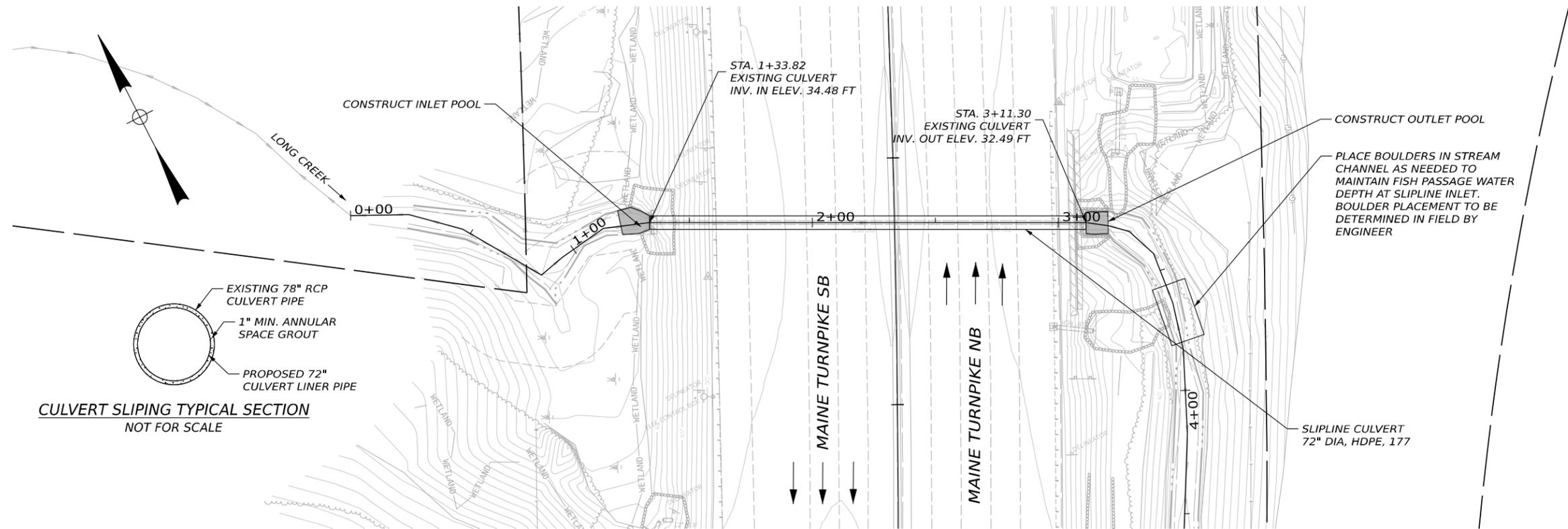


THE GOLD STAR MEMORIAL HIGHWAY

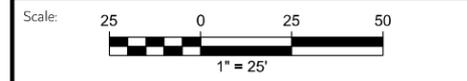
MTA PROJECT MANAGER: LAUREN FLEMING, PE

**MTA PROJECT NO. 2026.12
CULVERT REPAIRS
LONG CREEK CULVERT (MM45.90)
DISTURBANCE IMPACT PLAN - (SOUTHBOUND)**

VHB: 55886.00 SHEET NUMBER: 18
CONTRACT: 2026.12 18 OF 25



Date: 2/11/2026
Username: BTOMC



No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE

	By	Date	Checked	By	Date
Designed	SRP	2/11/2026	Checked	MEB	2/11/2026
Drawn	BRT	2/11/2026	In Charge of	ECF	2/11/2026

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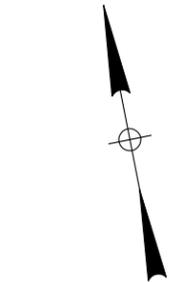
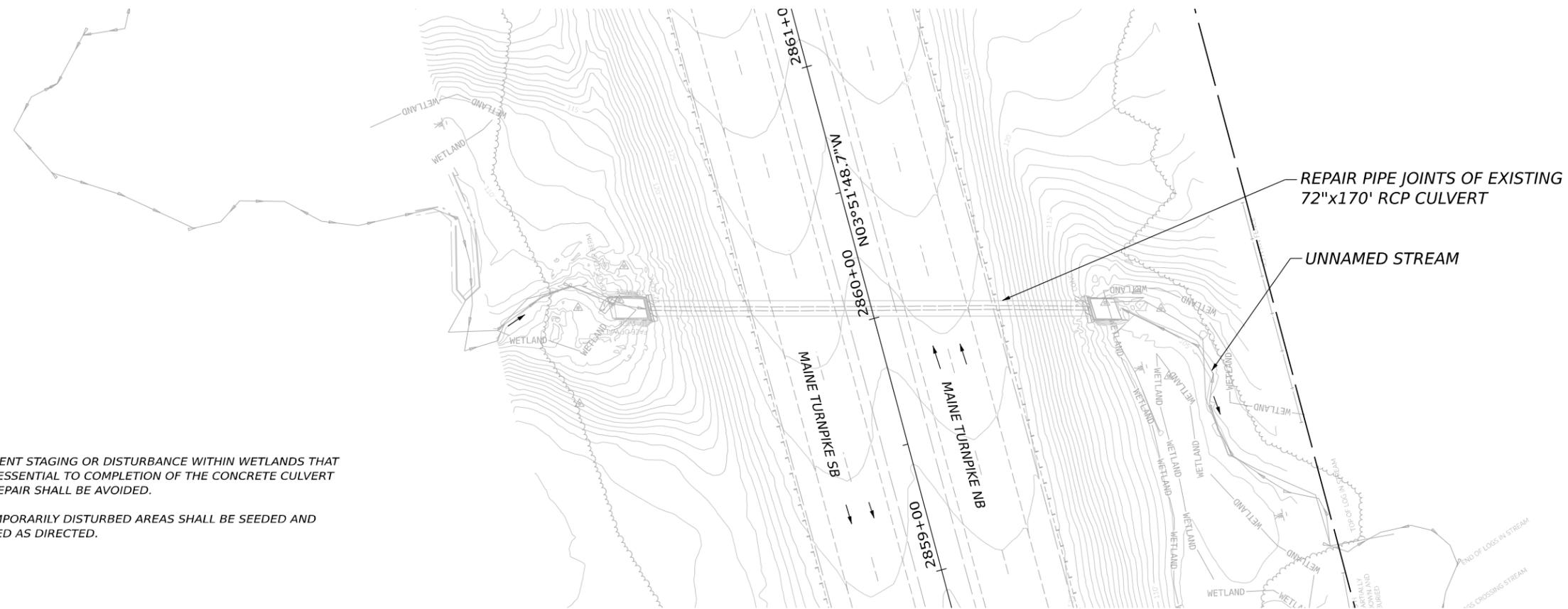


**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: LAUREN FLEMING, PE

**MTA PROJECT NO. 2026.12
CULVERT REPAIRS
LONG CREEK CULVERT (MM 45.90)
STREAM PLAN & PROFILE**

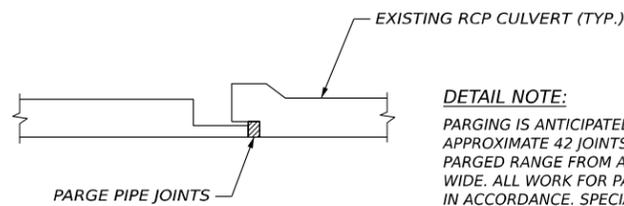
VHB: 55886.00 SHEET NUMBER: 19
CONTRACT: 2026.12 19 OF 25



N/F STONE
FORREST J. STONE
LINDSAY J. STONE
TAX MAP/LOT: R0711

NOTES:

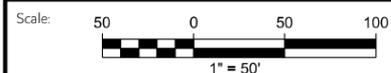
1. EQUIPMENT STAGING OR DISTURBANCE WITHIN WETLANDS THAT IS NOT ESSENTIAL TO COMPLETION OF THE CONCRETE CULVERT JOINT REPAIR SHALL BE AVOIDED.
2. ALL TEMPORARILY DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS DIRECTED.



TYPICAL CONCRETE CULVERT JOINT REPAIR
NOT TO SCALE

Date: 2/11/2026

Username: BTOM/C



No.	Revision	By	Date

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**THE GOLD STAR
MEMORIAL HIGHWAY**

CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE					
	By	Date		By	Date
Designed	SRP	2/11/2026	Checked	MEB	2/11/2026
Drawn	BRT	2/11/2026	In Charge of	ECF	2/11/2026

MTA PROJECT MANAGER: LAUREN FLEMING, PE

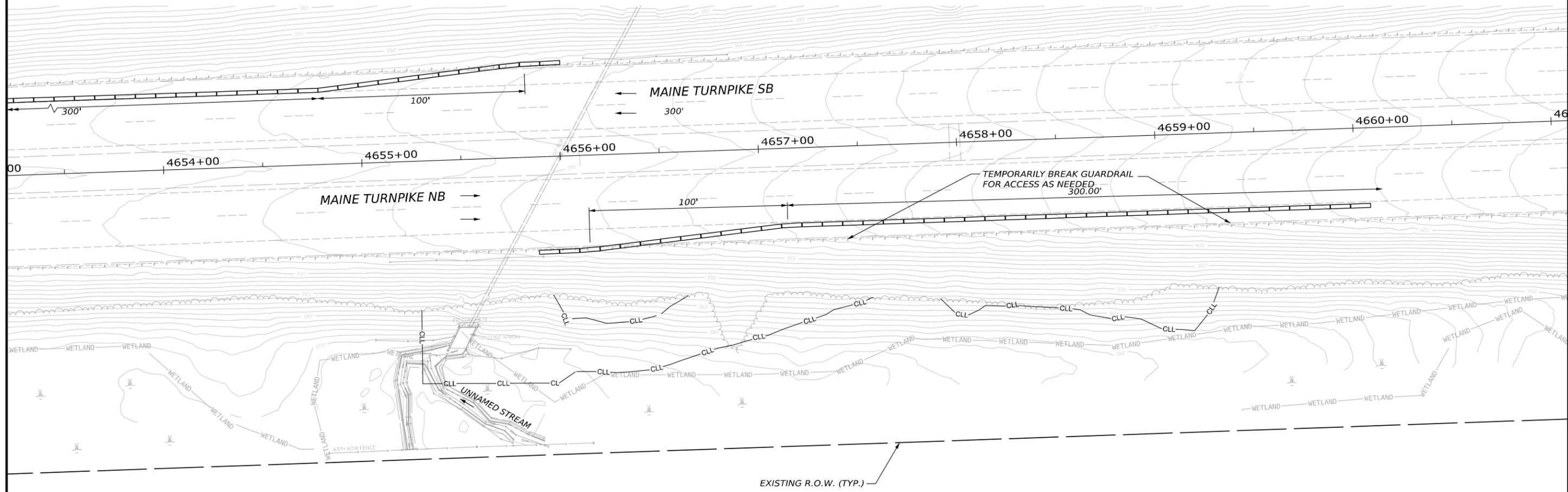
**MTA PROJECT NO. 2026.12
CULVERT REPAIRS
UNNAMED STREAM CULVERT (MM 57.10)
STREAM PLAN**

VHB: 55886.00

CONTRACT: 2026.12

SHEET NUMBER: 20

20 OF 25



NOTES:

1. GRAVEL ACCESS WAY OR WORKPAD TO REMAIN SHALL BE RESTORED BY PLACING LOAM AND SEED TO ENSURE A STABLE AND VEGETATED GROUND.
2. FELLING OF TREES WITHIN THE CLEARING LIMITS WILL BE COMPLETED BY OTHERS BEFORE APRIL 1, 2026.

N/F
 JANE E. WHEELER
 TAX MAP/LOT: R03/1

Date: 2/11/2026
 Username: BTOMC



No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER:		ETHAN FLYNN, PE	
By	Date	By	Date
Designed	SRP 2/11/2026	Checked	MEB 2/11/2026
Drawn	BRT 2/11/2026	In Charge of	ECF 2/11/2026

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**THE GOLD STAR
 MEMORIAL HIGHWAY**

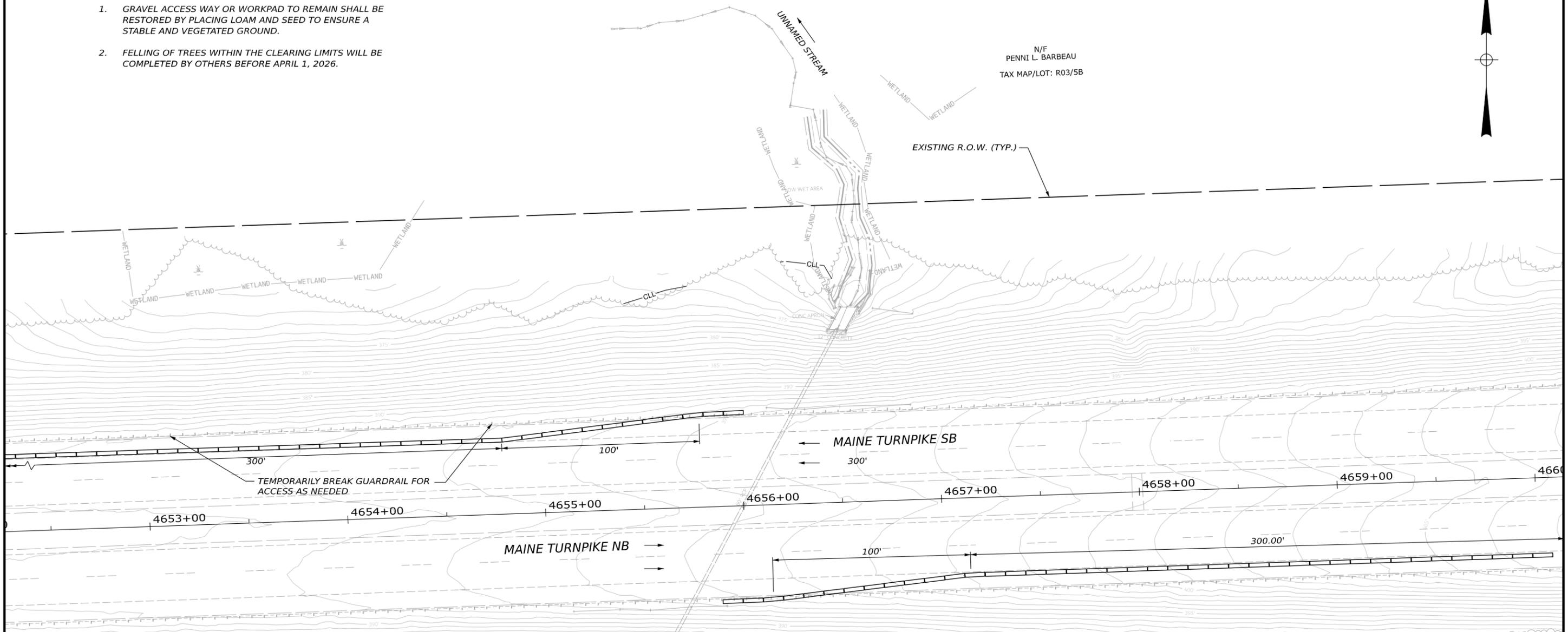
MTA PROJECT MANAGER: LAUREN FLEMING, PE

**MTA PROJECT NO. 2026.12
 CULVERT REPAIRS
 UNNAMED STREAM CULVERT (MM 91.30)
 EXISTING CONDITIONS & MOT PLAN (NB)**

VHB: 55886.00 SHEET NUMBER: 21
 CONTRACT: 2026.12 21 OF 25

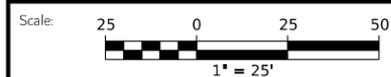
NOTES:

1. GRAVEL ACCESS WAY OR WORKPAD TO REMAIN SHALL BE RESTORED BY PLACING LOAM AND SEED TO ENSURE A STABLE AND VEGETATED GROUND.
2. FELLING OF TREES WITHIN THE CLEARING LIMITS WILL BE COMPLETED BY OTHERS BEFORE APRIL 1, 2026.



Date: 2/11/2026

Username: BTOMIC



No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE

	By	Date	Checked	By	Date
Designed	SRP	2/11/2026	Checked	MEB	2/11/2026
Drawn	BRT	2/11/2026	In Charge of	ECF	2/11/2026

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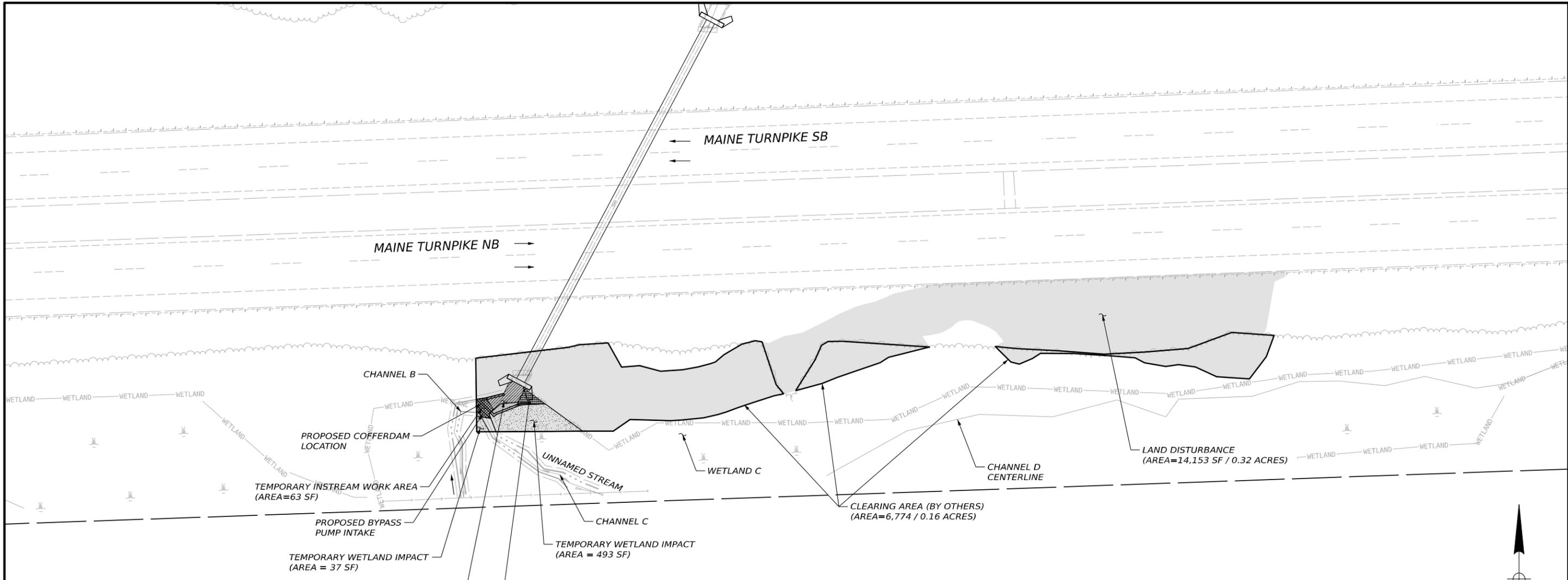


**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: LAUREN FLEMING, PE

MTA PROJECT NO. 2026.12
CULVERT REPAIRS
UNNAMED STREAM CULVERT (MM 91.30)
EXISTING CONDITIONS & MOT PLAN (SB)

VHB: 55886.00 SHEET NUMBER: 22
CONTRACT: 2026.12 22 OF 25



PROPOSED COFFERDAM LOCATION
 TEMPORARY INSTREAM WORK AREA (AREA=63 SF)
 PROPOSED BYPASS PUMP INTAKE
 TEMPORARY WETLAND IMPACT (AREA = 37 SF)
 PERMANENT IN-STREAM IMPACT / STREAMBED SPECIAL FILL (AREA=148 SF)
 PERMANENT WETLAND IMPACT (AREA = 56 SF)

UNNAMED STREAM
 CHANNEL C
 TEMPORARY WETLAND IMPACT (AREA = 493 SF)

N/F
 JANE E. WHEELER
 TAX MAP/LOT: R03/1

CLEARING AREA (BY OTHERS)
 (AREA=6,774 / 0.16 ACRES)

LAND DISTURBANCE
 (AREA=14,153 SF / 0.32 ACRES)

NOTE:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL DESIGN OF ANY REQUIRED ACCESS WAYS. ALL ACCESS WAYS SHALL BE CONSTRUCTED WITHIN THE LIMITS OF INSTREAM AND WETLAND IMPACTS SHOWN ON THIS SHEET. LIMITS OF DISTURBANCE ARE LIMITED TO NO MORE THAN THE TOTAL AREA SHOWN ON THIS SHEET WITHIN THE GENERAL LIMITS OF THE SITE.
2. ON BOTH UPSTREAM AND DOWNSTREAM ENDS OF THE CULVERT, THE CONTRACTOR SHALL DISPOSE OF ALL DEBRIS CREATED DURING CLEARING OPERATIONS AND SHALL REMOVE ALL STUMPS REMAINING FROM TREE REMOVAL.

LEGEND:

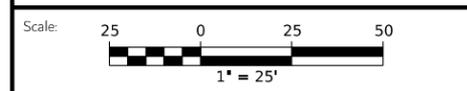
- WETLAND — WETLAND
- ORDINARY HIGH WATER
- CHANNEL CENTERLINE

10 LF OF TEMPORARY IN-STREAM IMPACT
 20 LF OF PERMANENT IN-STREAM IMPACT

KEY

- LAND DISTURBANCE = 14,153 SF / 0.32 ACRES
- CLEARING AREA = 6,774 SF / 0.16 ACRES
- PERMANENT WETLAND IMPACT AREA = 56 SF
- TEMPORARY IN-STREAM WORK AREA = 63 SF
- PERMANENT IN-STREAM IMPACT / STREAMBED SPECIAL FILL = 148 SF
- TEMPORARY WETLAND IMPACT AREA = 530 SF

Date: 2/11/2026
 Username: BTOM/C



No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: ETHAN FLYNN, PE

	By	Date		By	Date
Designed	SRT	2/11/2026	Checked	MEB	2/11/2026
Drawn	BRT	2/11/2026	In Charge of	ECF	2/11/2026

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**THE GOLD STAR
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 MTA PROJECT MANAGER: LAUREN FLEMING, PE

**MTA PROJECT NO. 2026.12
 CULVERT REPAIRS
 UNNAMED STREAM CULVERT (MM 91.30)
 DISTURBANCE IMPACT PLAN - (NORTHBOUND)**

VHB: 55886.00 SHEET NUMBER: 23
 CONTRACT: 2026.12 23 OF 25

NOTE:

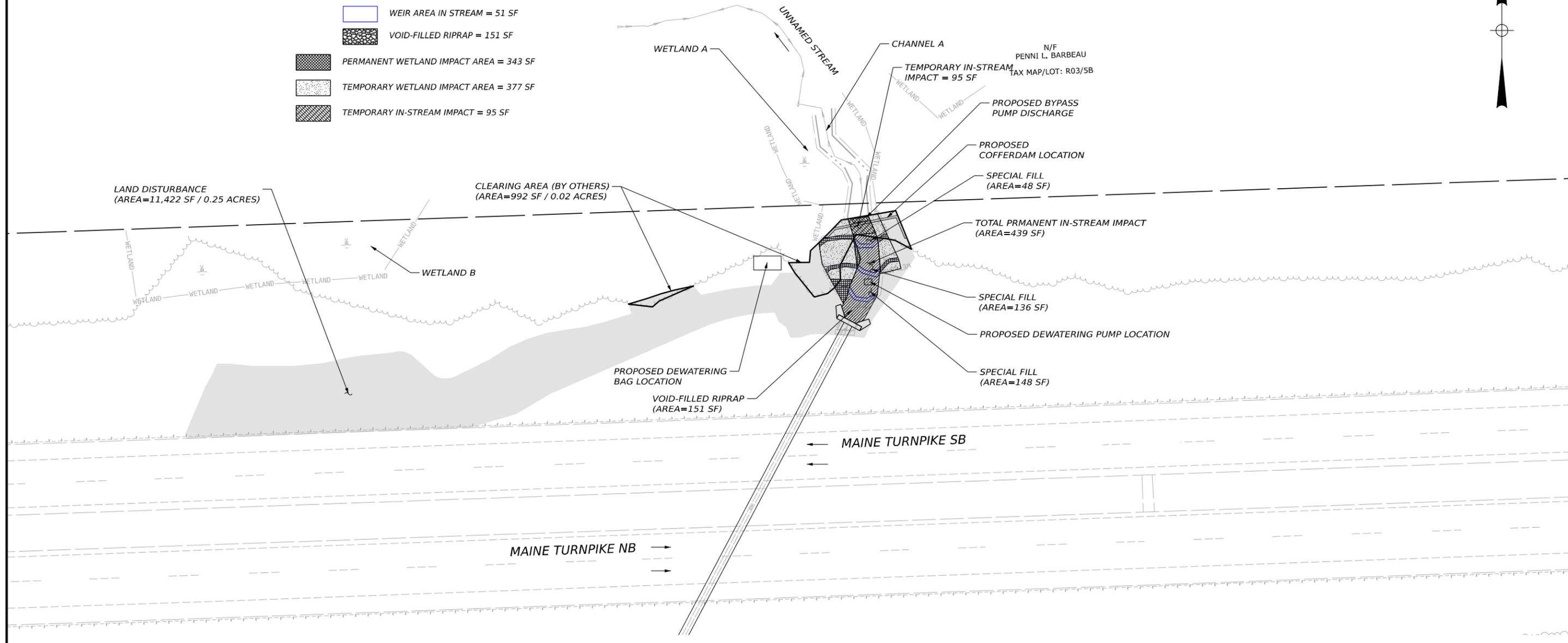
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2. ON BOTH UPSTREAM AND DOWNSTREAM ENDS OF THE CULVERT, THE CONTRACTOR SHALL DISPOSE OF ALL DEBRIS CREATED DURING CLEARING OPERATIONS AND SHALL REMOVE ALL STUMPS REMAINING FROM TREE REMOVAL.

LEGEND:

- WETLAND —
- ORDINARY HIGH WATER —
- CHANNEL CENTERLINE —
- 9 LF OF TEMPORARY IN-STREAM IMPACT
- 44 LF OF PERMANENT IN-STREAM IMPACT

KEY

- LAND DISTURBANCE = 11,467 SF / 0.25 ACRES
- CLEARING AREA = 992 SF / 0.02 ACRES
- PERMANENT IN-STREAM IMPACT = 534 SF
- STREAMBED SPECIAL FILL AREA = 332 SF
- WEIR AREA IN STREAM = 51 SF
- VOID-FILLED RIPRAP = 151 SF
- PERMANENT WETLAND IMPACT AREA = 343 SF
- TEMPORARY WETLAND IMPACT AREA = 377 SF
- TEMPORARY IN-STREAM IMPACT = 95 SF



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Scale: 1" = 25'

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Designed	SRT	2/11/2026	Checked	MEB	2/11/2026
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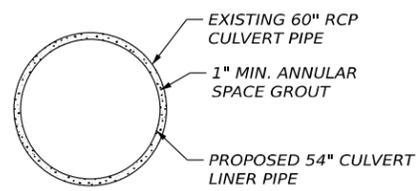
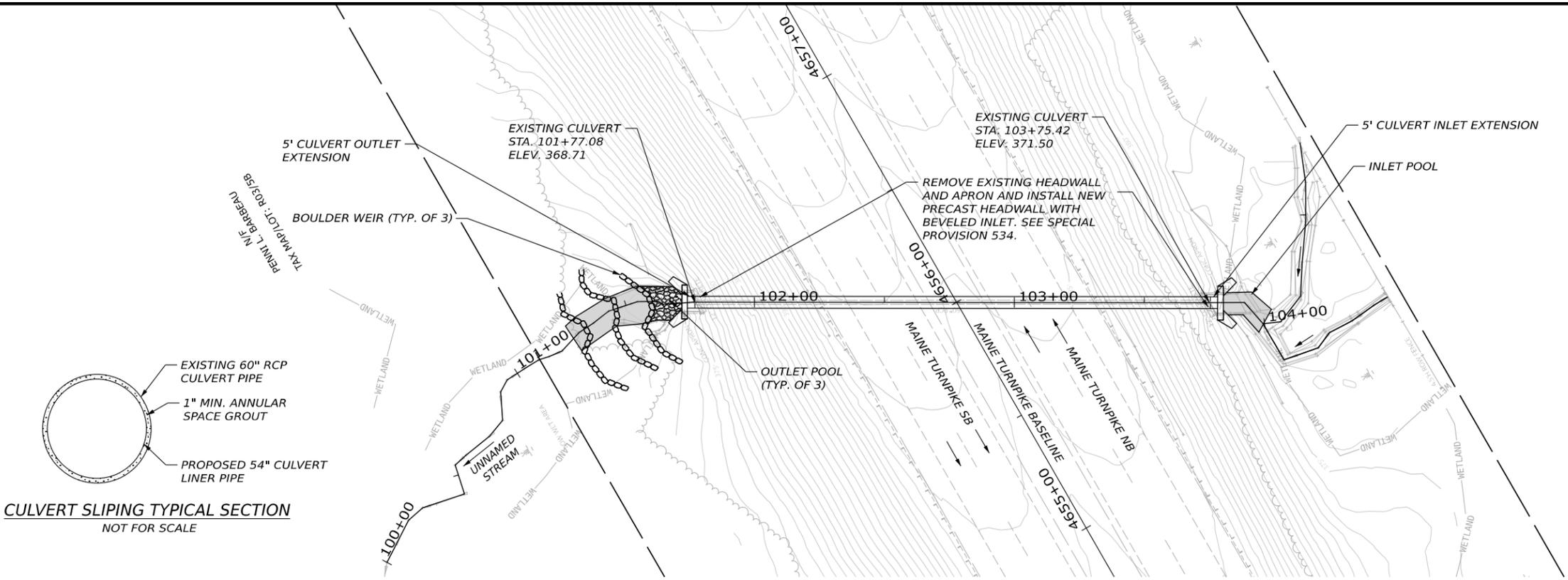
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: LAUREN FLEMING, PE

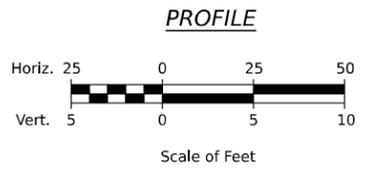
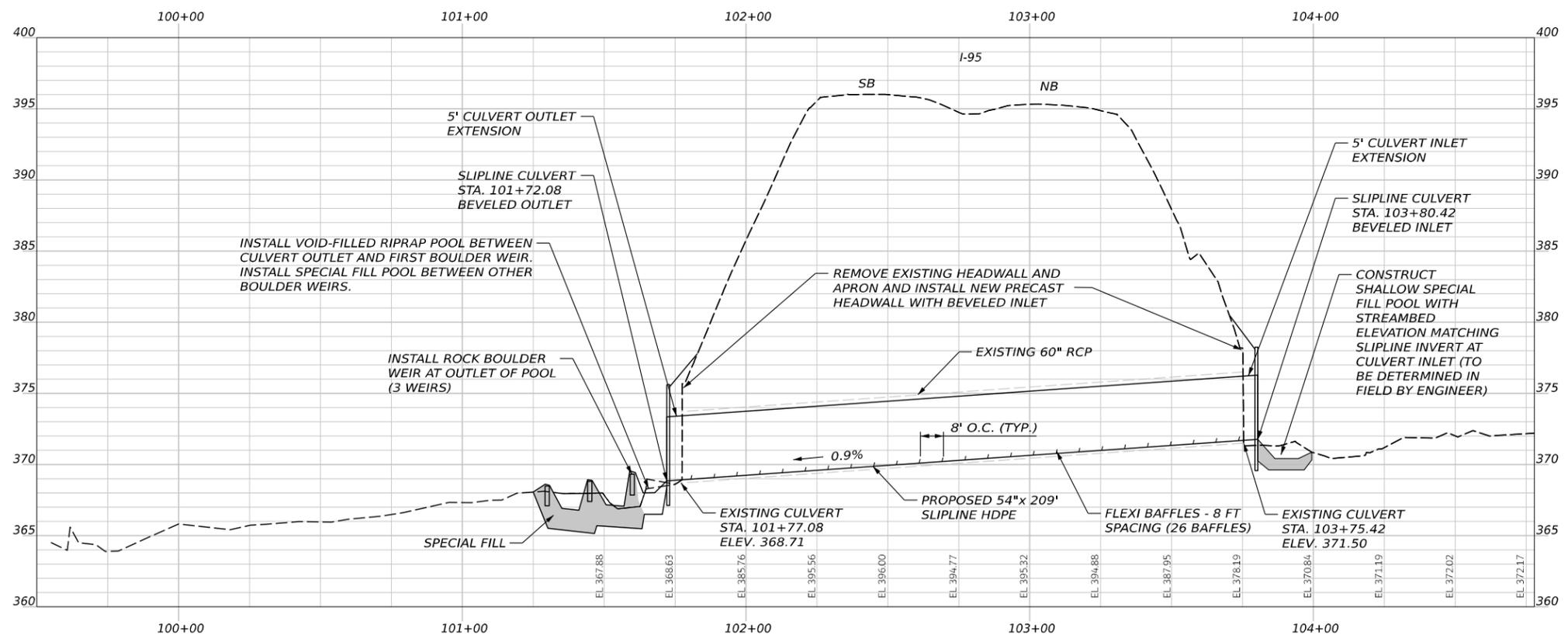
**MTA PROJECT NO. 2026.12
CULVERT REPAIRS
UNNAMED STREAM CULVERT (MM 91.30)
DISTURBANCE IMPACT PLAN - (SOUTHBOUND)**

VHB: 55886.00
CONTRACT: 2026.12

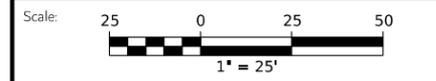
SHEET NUMBER: 24
24 OF 25



CULVERT SLIPING TYPICAL SECTION
NOT FOR SCALE



Date: 2/18/2026
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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: LAUREN FLEMING, PE

MTA PROJECT NO. 2026.12
UNNAMED STREAM CULVERT (91.30)
STREAM PLAN & PROFILE

VHB: 55886.00
CONTRACT: 2026.12

SHEET NUMBER: 25
25 OF 25