INDEX OF SHEETS

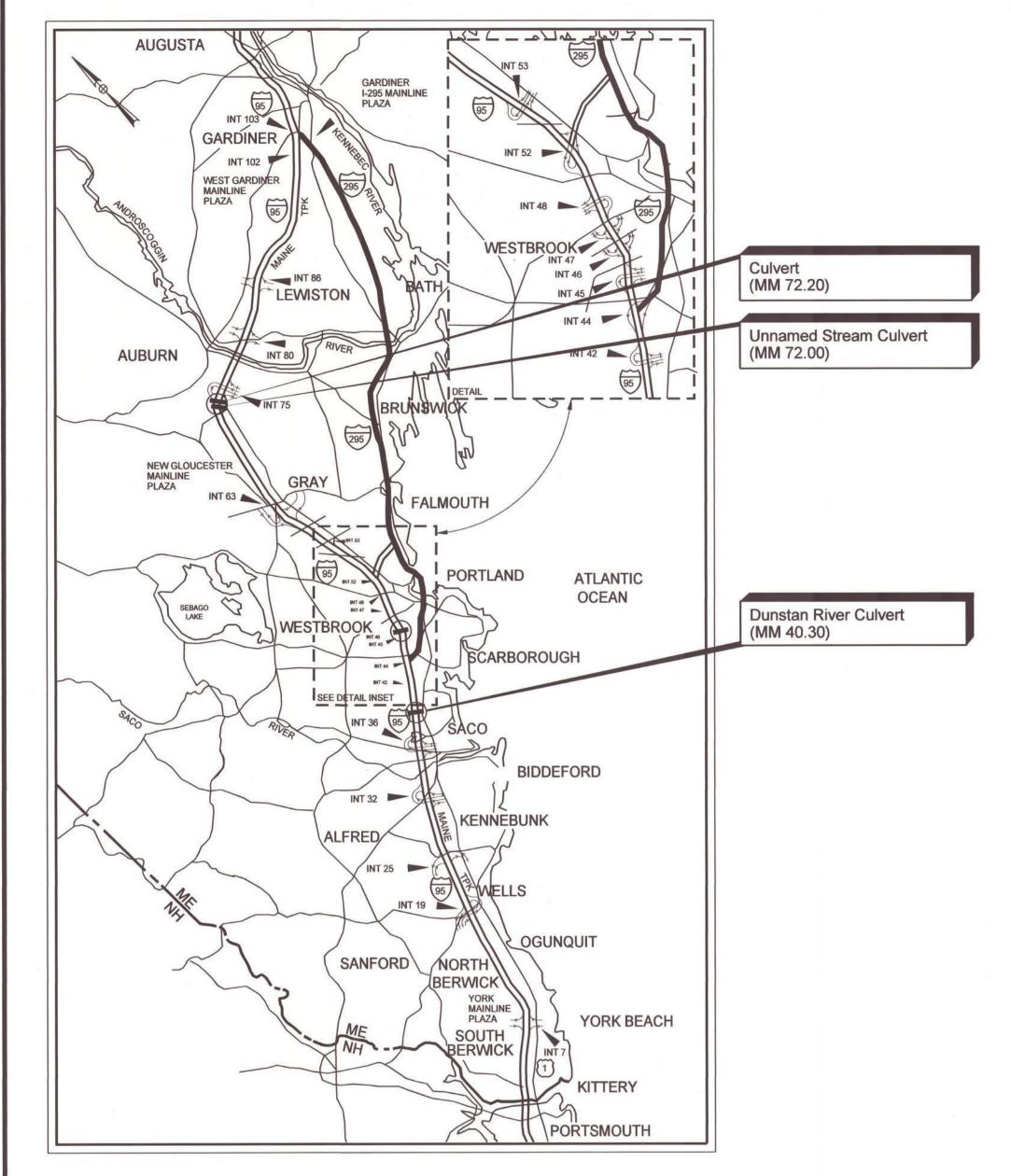


MAINE TURNPIKE AUTHORITY

MICHAEL J. CIANCHETTE, CHAIR
JANE L. LINCOLN, VICE-CHAIR
ANDREW MCLEAN, MEMBER
NINA FISHER, MEMBER
THOMAS J. ZUKE, MEMBER
BRUCE A. VAN NOTE, EX-OFFICIO MEMBER
PETER S. MERFELD, INTERIM EXECUTIVE DIRECTOR

CONTRACT 2025.07

CULVERT REPAIRS
DUNSTAN RIVER CULVERT (MM 40.30)
UNNAMED STREAM CULVERT (MM 72.00)
CULVERT (MM 72.20)



LOCATION MAP



MAINE TURNPIKE AUTHORITY

STEPHEN P. TARTDE P.E. DIRECTOR OF ENGINEERING

3/19/25 DATE



Mahoya Bone

Mackenzie E. Bowe, P.E. Consultant Project Manager _

3/20/2025

DATE

Contract 2025.0

2
7
\sim
(7
_
0
\subseteq
3
· ′
 'b
· ′

	ESTIMATED QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	Dunstan River Culvert (MM 40.30)	Unnamed Stream Culvert (MM 72.00)	Culvert (MM 72.20)	Quantity Total
<i>509.2021</i>	CULVERT LINING (DUNSTAN RIVER CULVERT MM 40.30)	LS	1			/
509.2022	CULVERT LINING (UNNAMED STREAM CULVERT MM 72.00)	LS		1		/
509.2023	CULVERT LINING (CULVERT MM 72.20)	LS			1	/
510.131	SPECIAL DETOUR, CONSTRUCTION ACCESS WAYS (DUNSTAN RIVER CULVERT MM 40.30)	LS	1			/
510.132	SPECIAL DETOUR, CONSTRUCTION ACCESS WAYS (UNNAMED STREAM CULVERT MM 72.00)	LS		1		/
<i>652.36</i> //	MAINTENANCE OF TRAFFIC CONTROL DEVICES (DUNSTAN RIVER CULVERT MM 40.30)	LS	1			/
652.3612	MAINTENANCE OF TRAFFIC CONTROL DEVICES (UNNAMED STREAM CULVERT MM 72.00)	LS		1		/
652.3613	MAINTENANCE OF TRAFFIC CONTROL DEVICES (CULVERT MM 72.20)	LS			1	/
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LS		1		/
659.10	MOBILIZATION	LS		1		/

Scale: AS NOTED

No. Revision

By Date

CONSULTANT PROJECT MANAGER: M. Bowe

By Date

By Date

By Date

By Date

By Date

By Date

Designed SRP 3/20/25 Checked ECF 3/20/25

Drawn

BRT 3/20/25 In Charge of MEB 3/20/25

VANASSE HANGEN BRUSTLIN, INC.

500 Southborough Dr.
Suite 105B

South Portland, ME 04106
TEL (207) 889-3150
FAX (207) 253-5596



THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT NO. 2025.07 CULVERT REPAIRS ESTIMATED QUANTITIES

VHB: 55813.00 SHEET NUMBER: CONTRACT: 2025.07

MTA PROJECT MANAGER: Kristi Van Ooyen, PE

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

CONCRETE REPAIR	(UNLESS NOTED	OTHERWISE)	AAA - MODIFIED
ALL PRECAST ELEM	ENTS		<i>CLASS "P</i> "
REINFORCING STEE	L	<i>ASTM A615/</i>	A615M, GRADE 60

BASIC DESIGN STRESSES (NEW MATERIALS)

CONCRETE		f'c = 4,500 psi
REINFORCING	STEEL	fy = 60,000 psi

TRAFFIC AND DESIGN LOADING DATA

DUNSTAN RIVER CULVERT (MM 40.30)

DESIGN LIVE LOAD (FOR EXISTING CO	MPONENTS)UNKNOWN
AADT	
DESIGN SPEED (MPH) (FOR EXISTING)	
FUNCTIONAL CLASS	PRINCIPAL ARTERIAL INTERSTATE

UNNAMED STREAM CULVERT (MM 72.00)

DESIGN LIVE LOAD (FOR EXISTING COMPO	ONENTS)
AADT	<i>24,000</i>
DESIGN SPEED (MPH) (FOR EXISTING)	
FUNCTIONAL CLASS	PRINCIPAL ARTERIAL INTERSTATE

CULVERT (MM 72.20)

DESIGN LIVE LOAD (FOR E)	(ISTING COMPONENTS)	
AADT		<i>24,</i> 000
DESIGN SPEED (MPH)(FOR	EXISTING)	70
FUNCTIONAL CLASS		ARTERIAL INTERSTATE

HYDROLOGICAL DATA

	DUNSTAN RIVER (MM 40.30)	
DRAINAGE AREA	0.71	0. 6
DESIGN DISCHARGE (Q2)	. <i>37.</i> 9	₋ 48 . 2
DESIGN DISCHARGE (Q50)	145	₋ 182
CHECK DISCHARGE (Q100)	. 173	₋ 217
HEADWATER ELEVATION (Q2)		
HEADWATER ELEVATION (Q50)	24.0	_ <i>219.</i> 3
HEADWATER ELEVATION (Q100)		
DISCHARGE VELOCITY (Q2)	6.2	. 22.0
DISCHARGE VELOCITY (Q50)	9.6	_ 28. 0
DISCHARGE VELOCITY (QIOO)		

GENERAL CONSTRUCTION NOTES

- I. 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.
- 2. 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.
- 3. 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. CLEARING AND LIMITS OF DISTURBANCE ARE LIMITED TO NO MORE THAN THE TOTAL AREA SHOWN, WITHIN THE GENERAL LIMITS OF THE SITE.
- 4. 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.
- 5. CHAMFER ALL EXPOSED NEW CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.
- 6. 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.
- 7. ADDITIONAL MEASURES MAY BE PROPOSED BY THE CONTRACTOR DUE TO SITE OR WEATHER CONDITIONS. THE RESIDENT MAY DIRECT THE CONTRACTOR TO IMPLEMENT ADDITIONAL MEASURES.
- 8. EXISTING IN SLOPES STEEPER THAN 2: IN PROPOSED FILL AREAS SHALL BE BENCHED AS DIRECTED BY THE RESIDENT.
- 9. CLEARING LINES SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AND SHALL BE APPROVED BY THE RESIDENT PRIOR TO ANY CLEARING TAKING PLACE.
- IO. 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).
- II. DO NOT EXCAVATE FOR AGGREGATE SUBBASE COURSE WHERE EXISTING MATERIAL IS SUITABLE AS DETERMINED BY THE RESIDENT.
- 12. 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.

EROSION CONTROL NOTES

- I. ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THESE PLANS AND THE MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES.
- 2. 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

- I. 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.
- 2. 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 IT'S 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.
- 3. 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.
- 4. CONTRACTOR SHALL PROTECT ALL NEW AND EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION AS APPROVED BY THE UTILITY OWNERS
- 5. 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.

Scale: AS NOTED

No. Revision

By Date

CONSULTANT PROJECT MANAGER: M. Bowe

By Date

Designed by:

CONSULTANT PROJECT MANAGER: M. Bowe

Designed SRP 3/20/25 Checked ECF 3/20/25

Drawn

BRT 3/20/25 In Charge of MEB 3/20/25

VANASSE HANGEN BRUSTLIN, INC.
500 Southborough Dr.
Suite 105B
South Portland, ME 04106

TEL (207) 889-3150 FAX (207) 253-5596



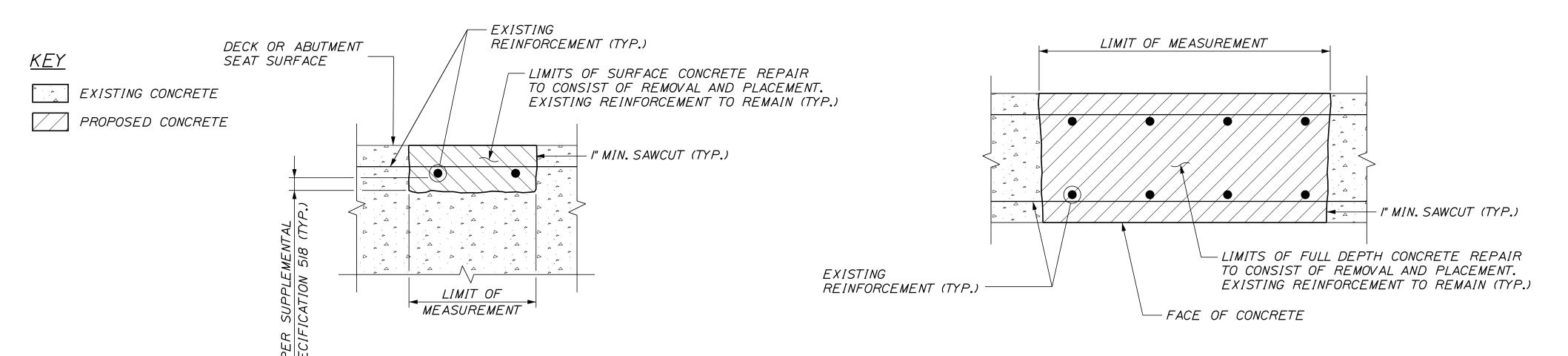
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT NO. 2025.07 CULVERT REPAIRS GENERAL NOTES

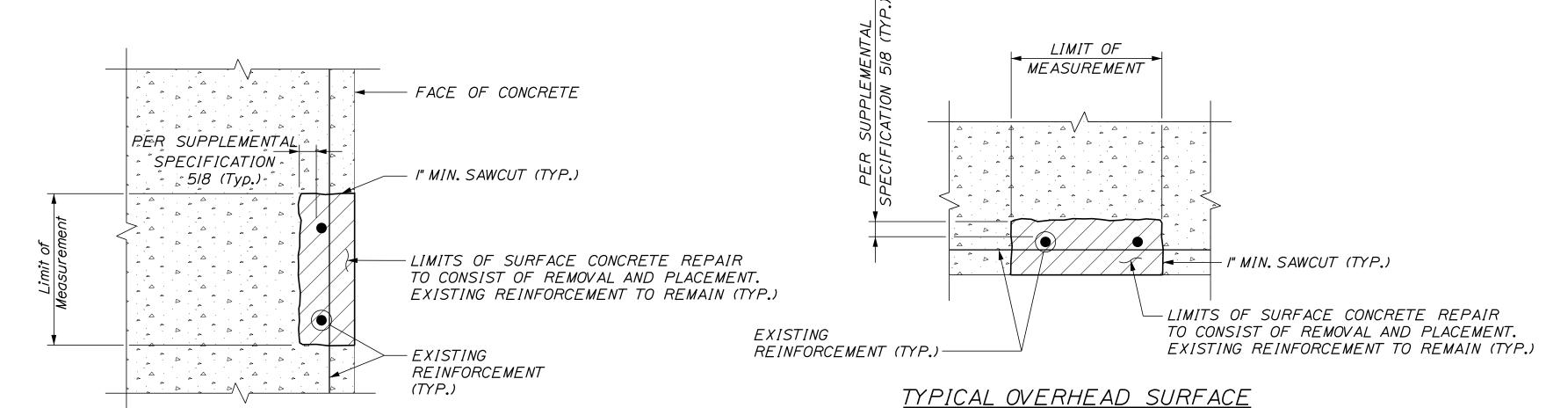
VHB: 55813.00 SHEET NUMBER:

CONTRACT: 2025.07

MTA PROJECT MANAGER: Kristi Van Ooyen, PE



TYPICAL FULL DEPTH CONCRETE REPAIR DETAILS TYPICAL HORIZONTAL SURFACE CONCRETE REPAIR DETAILS



TYPICAL VERTICAL SURFACE CONCRETE REPAIR DETAILS

CONCRETE REPAIR NOTES

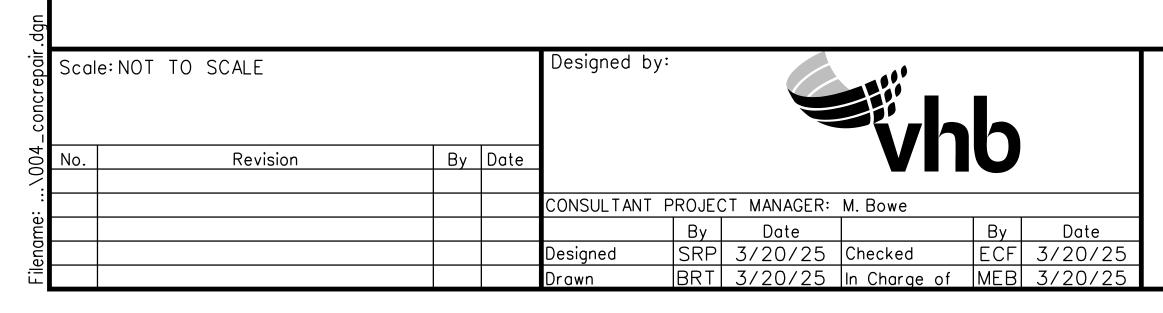
- I. REPAIR WORK SHALL INCLUDE: SURFACE CONCRETE REPAIRS AND PROVIDING ACCESS FOR INSPECTION.
- 2. WHERE SURFACE CONCRETE REPAIRS ARE SPECIFIED THE WORK SHALL INCLUDE REMOVAL OF UNSOUND CONCRETE AND PLACEMENT AND CURING OF REPAIR MATERIALS. REPAIRS SHALL BE INCIDENTAL TO 509.2022, CULVERT LINING (UNNAMED STREAM MM 72.00).
- 3. PRIOR TO THE START OF ANY CONCRETE REPAIRS THE RESIDENT AND THE CONTRACTOR SHALL SOUND ALL CONCRETE SURFACES AND AGREE ON THE REPAIR LIMITS, ESTIMATED REPAIR QUANTITIES MAY INCREASE OR DECREASE AT THE RESIDENT'S DISCRETION.

CONCRETE REPAIR PROCEDURE

- I. PERFORM I" DEEP SAW CUTS ALONG LIMITS OF REMOVAL.
- 2. CHIP CONCRETE TO THE DEPTH SPECIFIED IN SUPPLEMENTAL SPECIFICATION REMOVAL LIMITS CHANGE DURING THE DEMOLITION PROCESS THE CONTRACTOR SHALL NOTIFY THE RESIDENT. THE RESIDENT AND CONTRACTOR SHALL AGREE ON THE

REVISED PAY LIMITS PRIOR TO THE CONTRACTOR CONTINUING THE REMOVAL.

- 3. PREPARE AND PATCH REPAIR AREAS WITH CLASS AAA MODIFIED CONCRETE MATERIALS SELECTED FROM THE APPLICABLE NON-EMERGENCY LIST OF MATERIALS IN SUPPLEMENTAL SPECIFICATION 518.
- 4. PERFORM GENERAL FINISHING.



VANASSE HANGEN BRUSTLIN, INC. 500 Southborough Dr. Suite 105B South Portland, ME 04106 TEL (207) 889-3150 FAX (207) 253-5596

TURNPIKE

CONCRETE REPAIR DETAILS

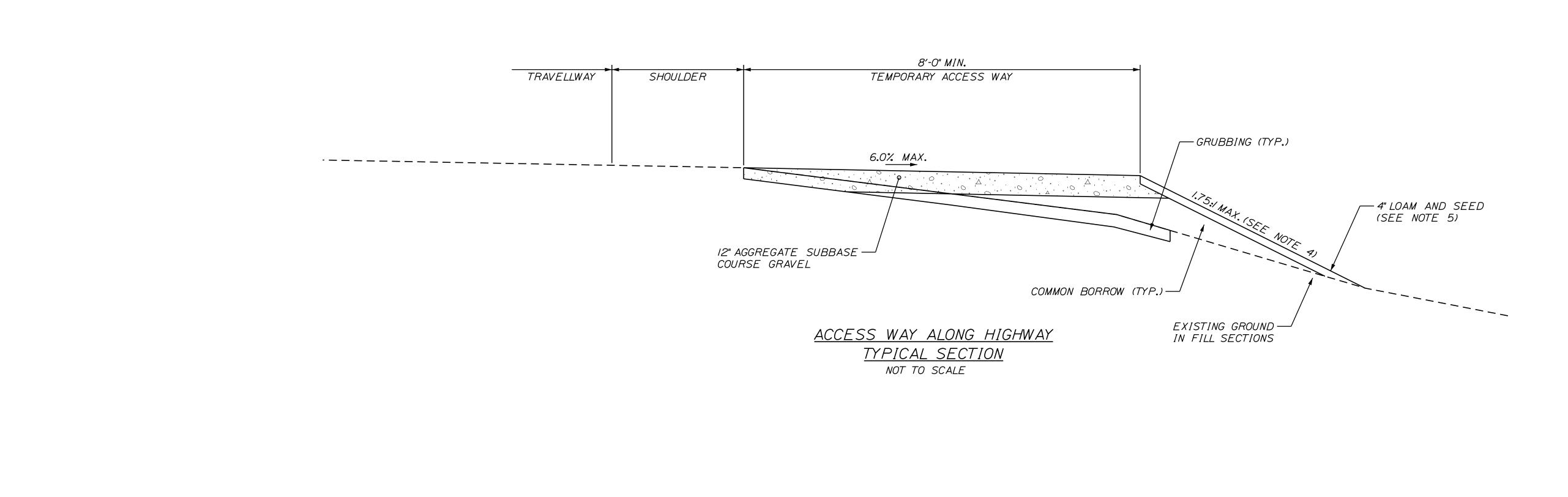
MEMORIAL HIGHWAY

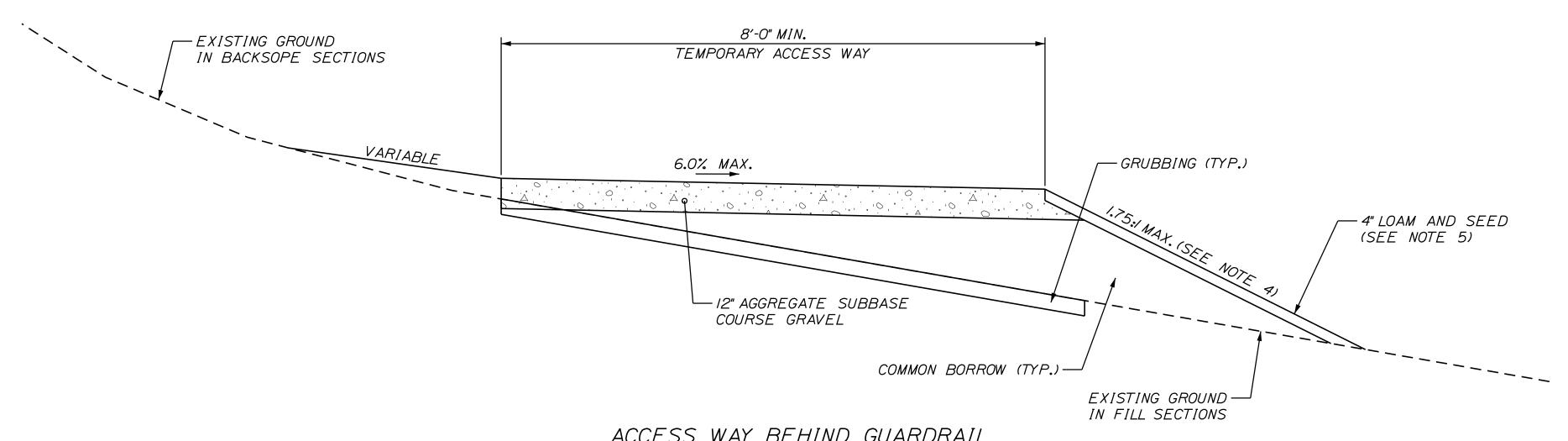
THE GOLD STAR

MTA PROJECT NO. 2025.07 CULVERT REPAIRS CONCRETE REPAIR DETAILS UNNAMED STREAM CULVERT (72.00)

SHEET NUMBER: VHB: 55813.00 CONTRACT: 2025.07

MTA PROJECT MANAGER: Kristi Van Ooyen, PE





ACCESS WAY BEHIND GUARDRAIL TYPICAL SECTION

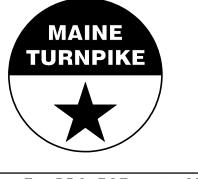
NOT TO SCALE

NOTES:

- I. WHEN ADJACENT TO EXISTING PAVEMENT, ONLY REMOVE ORGANIC MATERIAL. DO NOT EXCAVATE.
- 2. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL RESTORE ALL ACCESS AREAS TO THEIR ORIGINAL CONDITION, UNLESS AUTHORIZED OTHERWISE.
- 3. WHEN AUTHORIZED TO REMAIN, ACCESS WAY SHALL MEET THE REQUIREMENTS SPECIFIED IN SPECIAL PROVISION 510 SPECIAL
- 4. ON ALL SLOPES STEEPER THAN 2:1THE CONTRACTOR SHALL PLACE 24" MIN. PLAIN RIPRAP.
- 5. RE-PURPOSE GRUBBINGS MAY BE USED AS DIRECTED BY THE RESIDENT.

Scale:	NOT TO SCA	ALE		Designed b	y:			h	
Scale:	Revision	Ву	Date				VII	O	
				CONSULTANT	PROJE(CT MANAGER:	M. Bowe		
					Ву	Date		Ву	Date
				Designed	SRP	3/20/25	Checked	EĆF	3/20/2
				Drawn	BRT	3/20/25	In Charge of	MEB	3/20/2

VANASSE HANGEN BRUSTLIN, INC. 500 Southborough Dr. Suite 105B South Portland, ME 04106 TEL (207) 889-3150 FAX (207) 253-5596

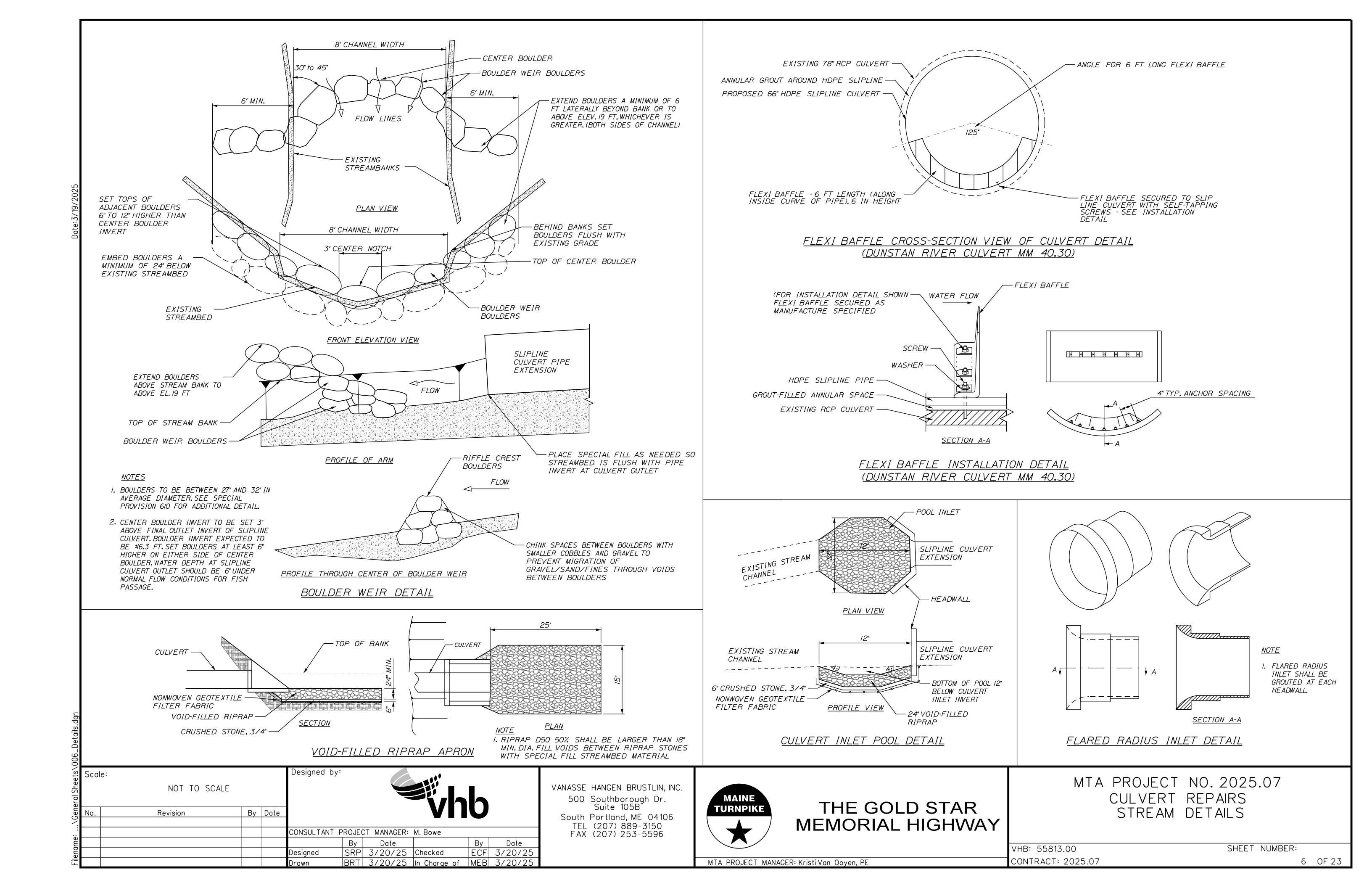


THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT NO. 2025.07 CULVERT REPAIRS ACCESS WAY TYPICAL SECTIONS

SHEET NUMBER: VHB: 55813.00 CONTRACT: 2025.07

MTA PROJECT MANAGER: Kristi Van Ooyen, PE



MAINTENANCE OF TRAFFIC GENERAL NOTES

- I. ALL PAVEMENT STRIPING & SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S.D.O.T., F.H.W.A., LATEST EDITION. NOTE THERE IS A 2023 EDITION OF MUTCD.
- 2. THESE PLANS SHOWN 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.
- 3. ANY SIGNS, EQUIPMENT, OR DEVICES FOUND TO BE DAMAGED OR UNSERVICEABLE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 4. 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.
- 5. LANE CLOSURE REQUESTS SHALL BE SUBMITTED BY THE RESIDENT BY NOON ON THE THURSDAY PRIOR TO THE WEEK OF THE PROPOSED LANE CLOSURES. THE CONTRACTOR SHALL PLAN ALL LANE CLOSURE REQUESTS ACCORDINGLY.
- 6. 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) 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.
- 9. ANY CONFLICTING SIGNS SHALL BE COVERED.

DUNSTAN RIVER CULVERT (MM 40.30) NOTES

- I. DUNSTAN RIVER CULVERT (MM 40.30) WILL BE COMPLETED UNDER RIGHT SHOULDER CLOSURES WITH TEMPORARY BARRIER. SEE EXISTING CONDITIONS & MOT PLAN - NB AND EXISTING CONDITIONS & MOT PLAN SB FOR BARRIER LAYOUT.TRAFFIC CONTROL SHALL FOLLOW MTA STANDARD DETAILS FOR SHOULDER CLOSURES. ANY ALTERNATIVE MAINTENANCE OF TRAFFIC LAYOUTS SHALL BE APPROVED BY THE RESIDENT.
- 2. TEMPORARY RIGHT LANE CLOSURES WILL BE REQUIRED TO SET UP THE TEMPORARY BARRIER AND SHALL FOLLOW MTA STANDARD DETAIL FOR SINGLE LANE CLOSURES.

UNNAMED STREAM CULVERT (MM 72.00) NEW GLOUCESTER NOTES

- I. UNNAMED STREAM CULVERT (MM 72.00) NEW GLOUCESTER WILL BE COMPLETED UNDER RIGHT SHOULDER CLOSURES WITH TEMPORARY BARRIER. SEE EXISTING CONDITIONS & MOT PLAN - NB AND EXISTING CONDITIONS & MOT PLAN SB FOR BARRIER LAYOUT. TRAFFIC CONTROL SHALL FOLLOW MTA STANDARD DETAILS FOR SHOULDER CLOSURES. ANY ALTERNATIVE MAINTENANCE OF TRAFFIC LAYOUTS SHALL BE APPROVED BY THE RESIDENT.
- 2. TEMPORARY RIGHT LANE CLOSURES WILL BE REQUIRED TO SET UP THE TEMPORARY BARRIER AND SHALL FOLLOW MTA STANDARD DETAIL FOR SINGLE LANE CLOSURES.

CULVERT (MM 72.20) NEW GLOUCESTER NOTES

- I. CULVERT MM 72.2 NEW GLOUCESTER WILL BE COMPLETED UNDER RIGHT LANE CLOSURES IN THE NORTHBOUND DIRECTION. TRAFFIC CONTROL SHALL FOLLOW MTA STANDARD DETAIL FOR SINGLE LANE CLOSURES. WORK REQUIRING ACCESS FROM THE SOUTHBOUND DIRECTION SHALL BE COMPLETED UNDER LONG TERM SHOULDER CLOSURES. SEE GENERAL PLAN FOR DRUM LAYOUT. TRAFFIC CONTROL SIGNING SHALL FOLLOW MTA STANDARD DETAILS FOR SHOULDER CLOSURES. ANY ALTERNATIVE MAINTENANCE OF TRAFFIC LAYOUTS SHALL BE APPROVED BY THE RESIDENT.
- 2. WHEN NORTHBOUND LANE CLOSURES ARE NOT ALLOWED PER SPECIAL PROVISION 652, A NORTHBOUND SHOULDER CLOSURE SHALL BE IN PLACE. SEE GENERAL PLAN FOR DRUM LAYOUT.TRAFFIC CONTROL SIGNING SHALL FOLLOW MTA STANDARD DETAILS FOR SHOULDER CLOSURES.

Designed by: Scale: By Date Revision CONSULTANT PROJECT MANAGER: M. Bowe By Date Date MLG 3/20/25 | Checked MDS 3/20/25 Designed JAR 3/20/25 In Charge of MEB 3/20/25

VANASSE HANGEN BRUSTLIN, INC. 500 Southborough Dr. Suite 105B South Portland, ME 04106 TEL (207) 889-3150

MAINE **TURNPIKE** FAX (207) 253-5596

MTA PROJECT MANAGER: Kristi Van Ooyen, PE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT NO. 2025.07 CULVERT REPAIRS MAINTENANCE OF TRAFFIC DETAILS (01 OF 04)

SHEET NUMBER: VHB: 55813.00 CONTRACT: 2025.07 7 OF 23

SHOULDER CLOSURE

CONSTRUCTION SIGN SUMMARY								
		TEXT DIMENSIONS (INCHES)		6175				
3	IGN	LETTER HEIGHT	VERTICAL SPACING	SIZE	QUANTITY AND COLOR			
G20-2	END ROAD WORK	TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY		48"x24"	4 - BLACK ON ORANGE			
W2O-I (AHEAD)	ROAD WORK AHEAD	SIGNS"	- 2012	48" x 48"	8 - BLACK ON ORANGE			
W2I-5aR	RIGHT SHOULDER CLOSED			48" x 48"	4 - BLACK ON ORANGE			
W2I-5bR (I000')	RIGHT SHOULDER CLOSED 1000 FT			48" x 48"	4 - BLACK ON ORANGE			
W7-3aP	NEXT X FEET			36"x30"	4 - BLACK ON ORANGE			

TEMPORARY SINGLE LANE CLOSURES

CONSTRUCTION SIGN SUMMARY							
	CUIV			71V			
SIGN		(INC)		- SIZE	QUANTITY AND COLOR		
G20-2	END ROAD WORK	DIMEN SH	XT YSIONS ALL FORM	48" x 24"	4 - BLACK ON ORANGE		
G20-5aP	WORK ZONE	HIGH	ANDARD HWAY - 2012	36"x24"	2 - BLACK ON ORANGE		
RI-2	YIELD			48"x48"x48"	2 - WHITE ON RED		
R2-I(60)	SPEED LIMIT 60			48" x60"	2 - BLACK ON WHITE		
R2-6aP	FINES DOUBLE			36"x24"	2 - BLACK ON WHITE		
R2-I2	END WORK ZONE SPEED LIMIT			36"x54"	4 - BLACK ON WHITE		
W3-2				48" x 48"	2 - BLACK ON ORANGE		
W 3-4	BE PREPARED TO STOP			48" x 48"	4 - BLACK ON ORANGE		
		•					

TEMPORARY SINGLE LANE CLOSURES

	CON	STRUCT	ION SIG	GN SUMN	1ARY
Si	'GN	(INC	NENSIONS HES) VERTICAL SPACING	SIZE	QUANTITY AND COLOR
W4-1		DIMEN SH: CONF	XT ISIONS ALL FORM	48" x 48"	2 - BLACK ON ORANGE
W4-2R		HIGH	ANDARD HWAY '- 2012	48"x48"	4 - BLACK ON ORANGE
W4-5aP	NO MERGE AREA			24"x30"	2 - BLACK ON ORANGE
W20-I	ROAD WORK 1 MILE			48" x 48"	4 - BLACK ON ORANGE
W20-I (AHEAD)	ROAD WORK AHEAD			48" x 48"	6+ - BLACK ON ORANGE
W20-5R	RIGHT LANE CLOSED 1/2 MILE	,		48" x 48"	4 - BLACK ON ORANGE
CS-3	EXPECT STOPPED TRAFFIC	7" 7" 7"	4" 4"	48" x 48"	4 - BLACK ON ORANGE
E5-2	EXIT OPEN			48" x 36"	I - BLACK ON ORANGE

Scale: No. Revision By Date				Designed by:					
No.	Revision	Ву	Date				VII		
	CONSULTANT PROJECT MANAGER: M. Bowe								
					Ву	Date		Ву	Date
				Designed	MLG	3/20/25	Checked	MDS	3/20/2
				Drawn	JAR	3/20/25	In Charge of	MEB	3/20/2

VANASSE HANGEN BRUSTLIN, INC.

500 Southborough Dr.
Suite 105B

South Portland, ME 04106
TEL (207) 889-3150
FAX (207) 253-5596



THE GOLD STAR MEMORIAL HIGHWAY

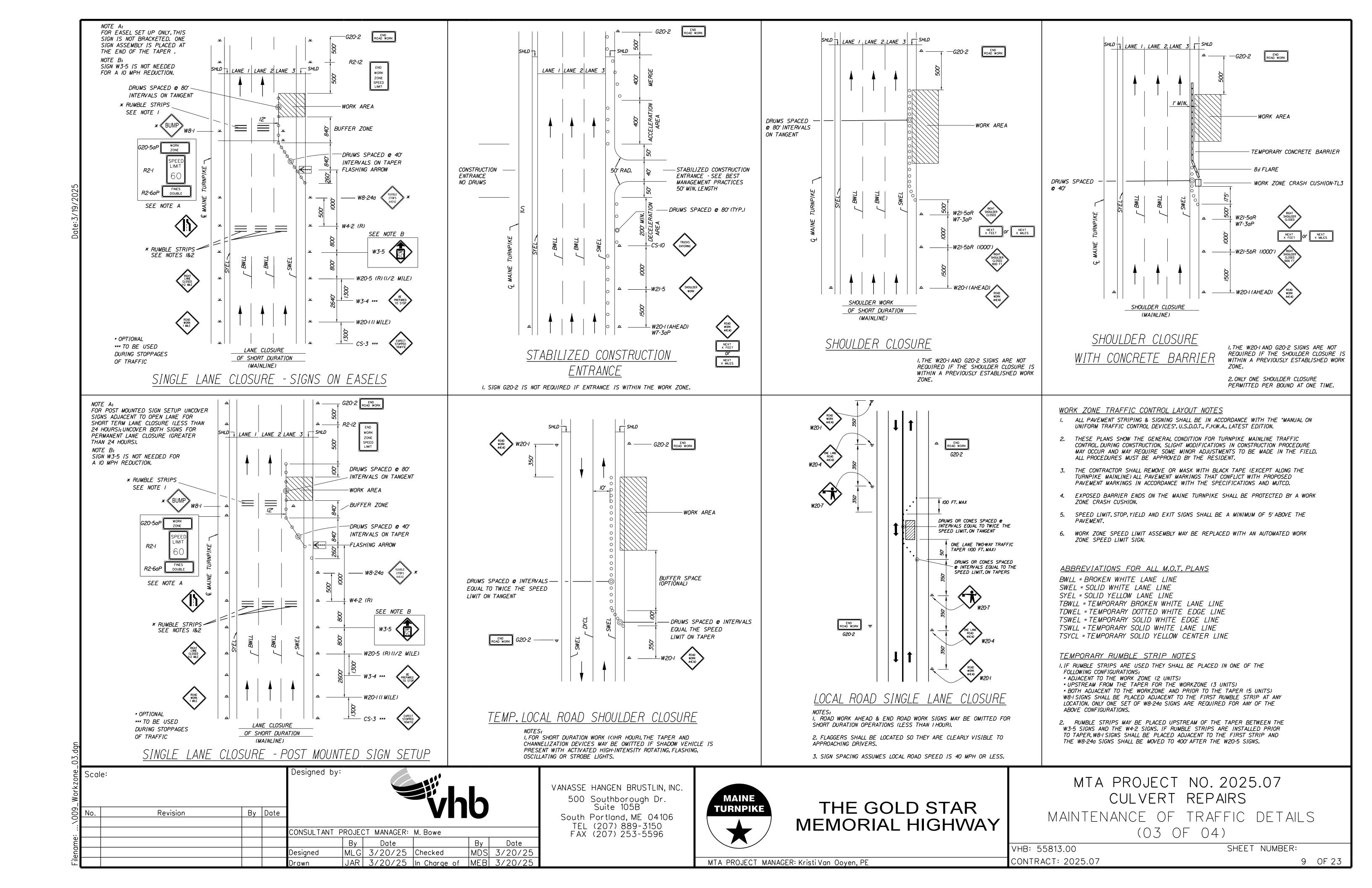
MTA PROJECT NO. 2025.07 CULVERT REPAIRS

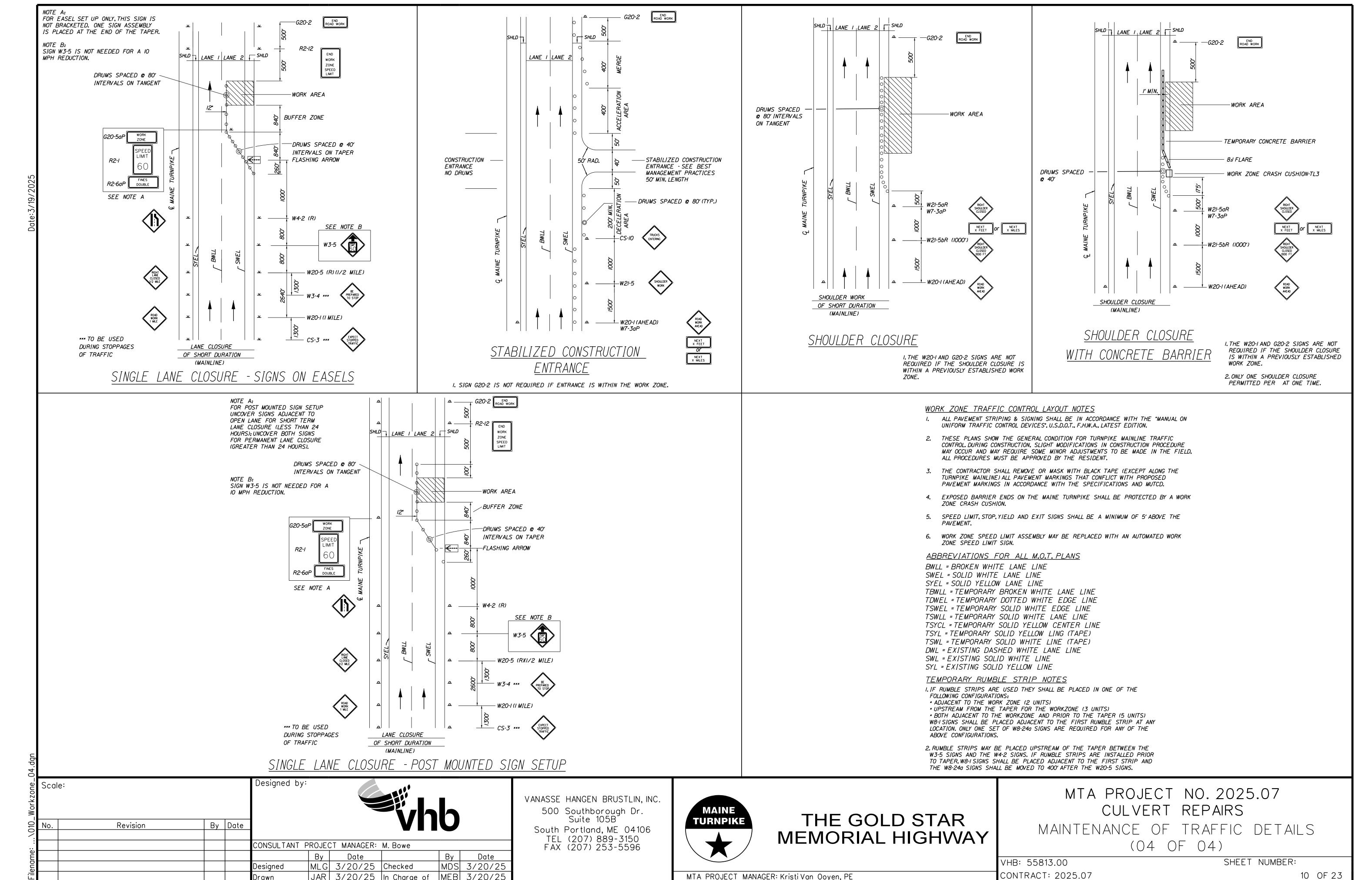
MAINTENANCE OF TRAFFIC DETAILS

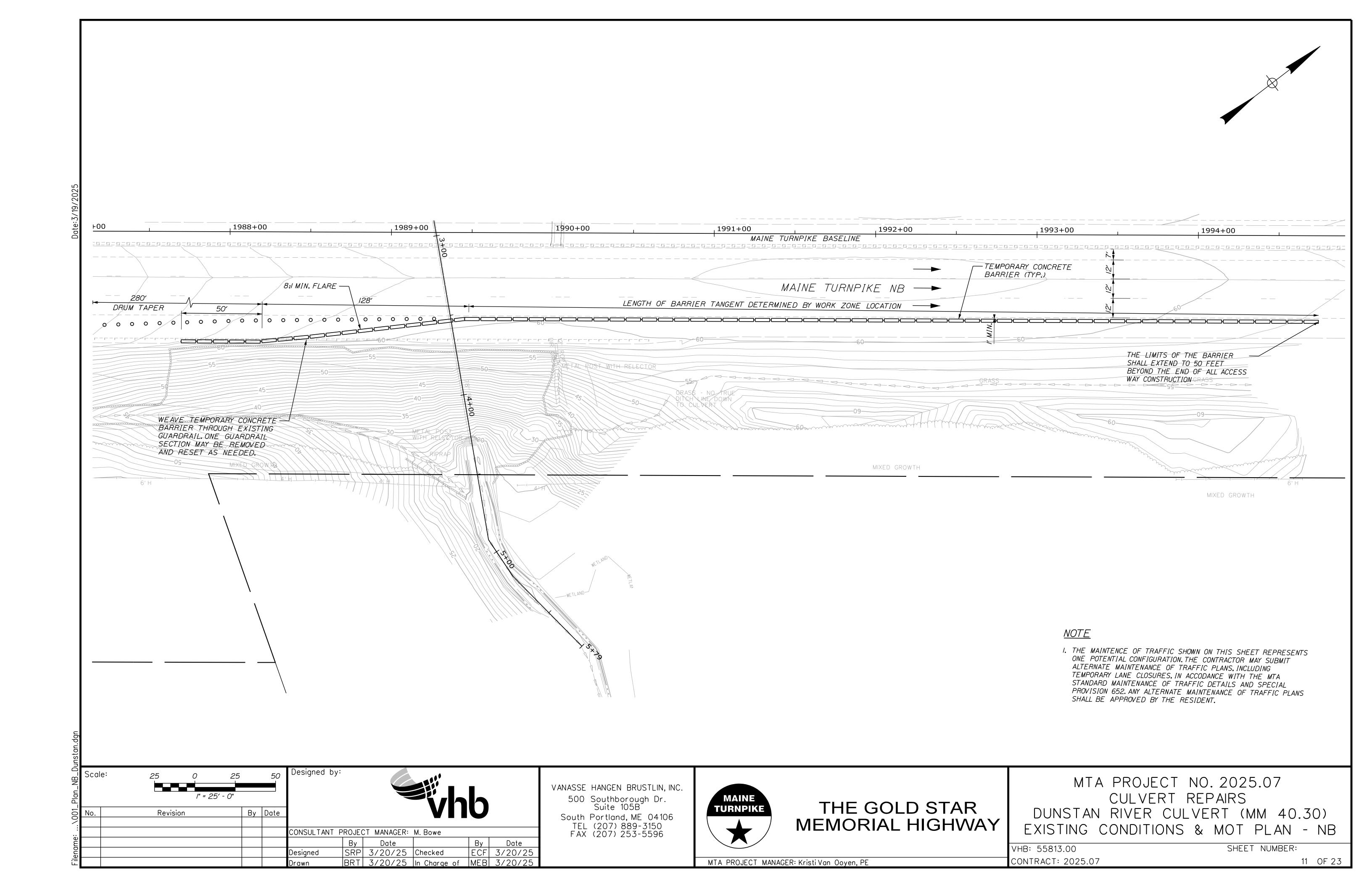
(02 OF 04)

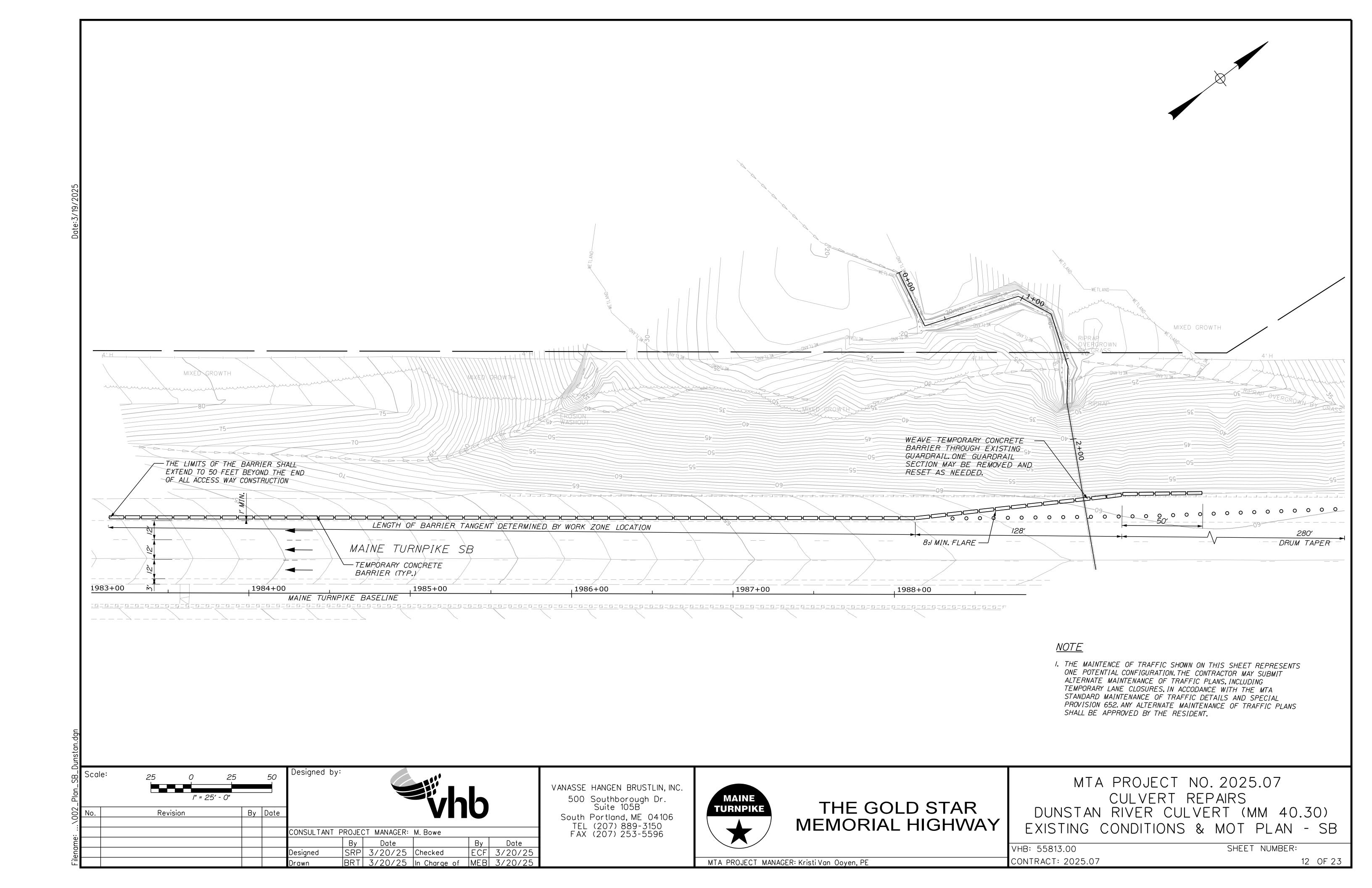
VHB: 55813.00 SHEET NUMBER: CONTRACT: 2025.07

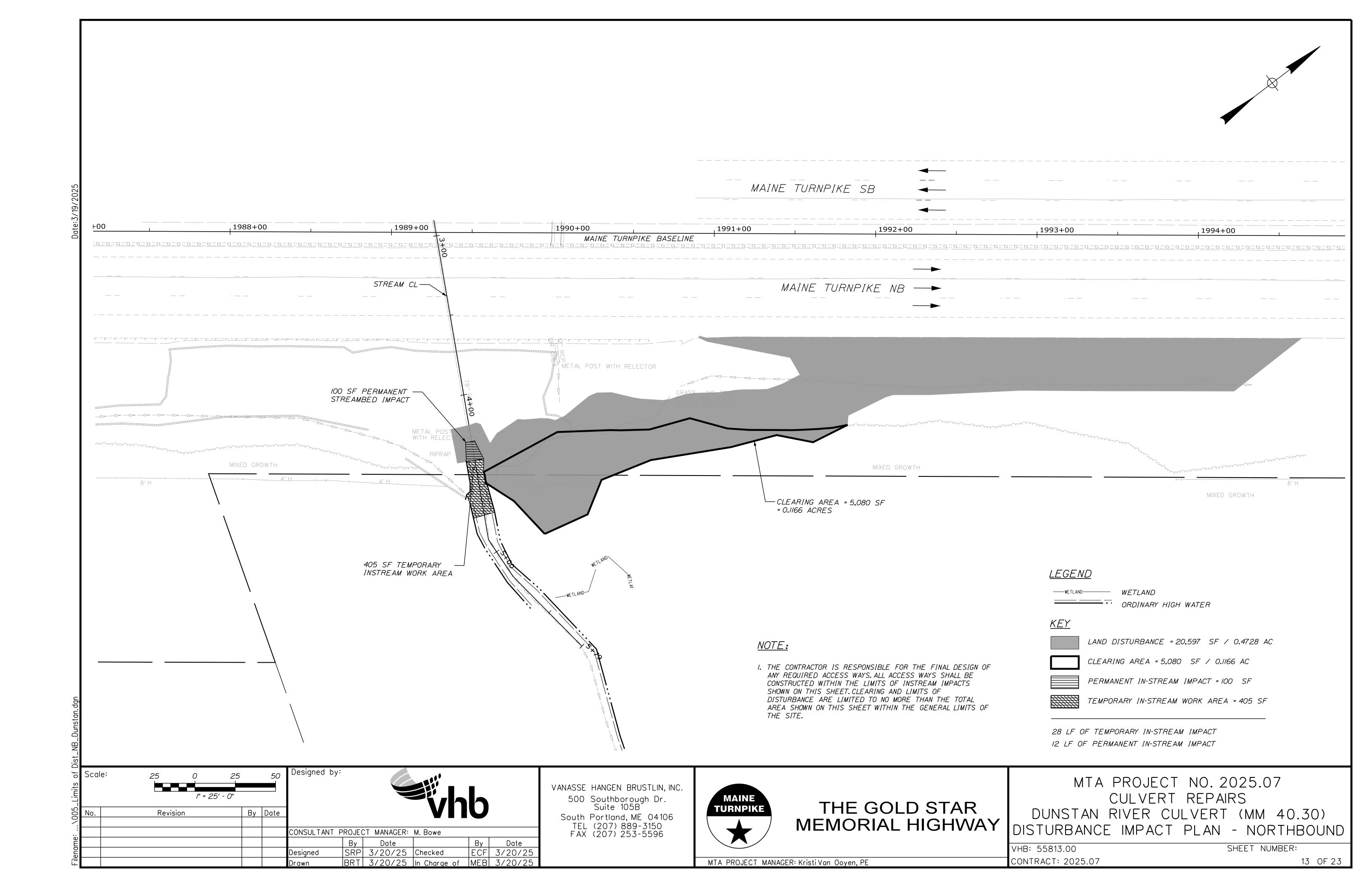
MTA PROJECT MANAGER: Kristi Van Ooyen, PE

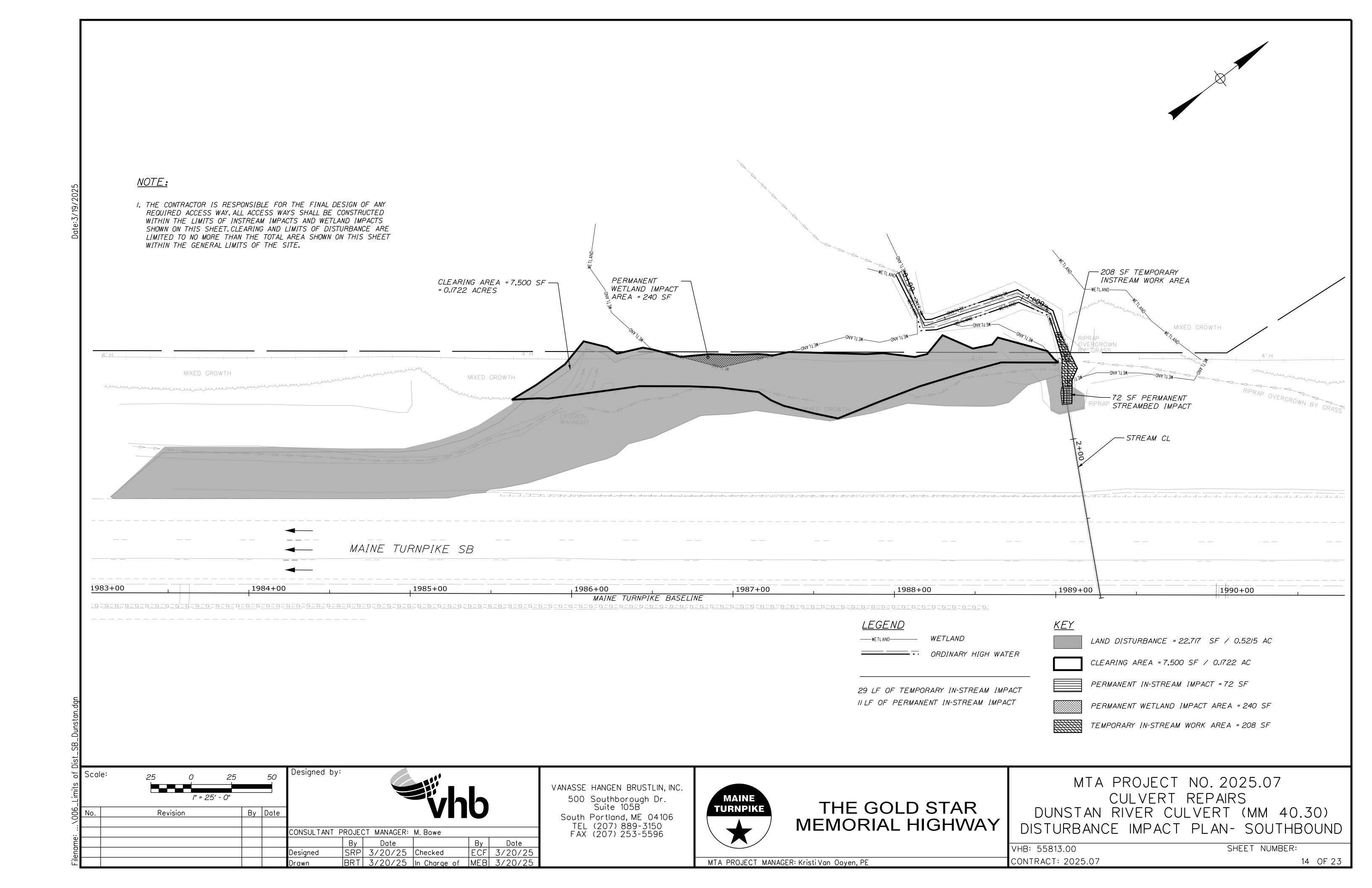


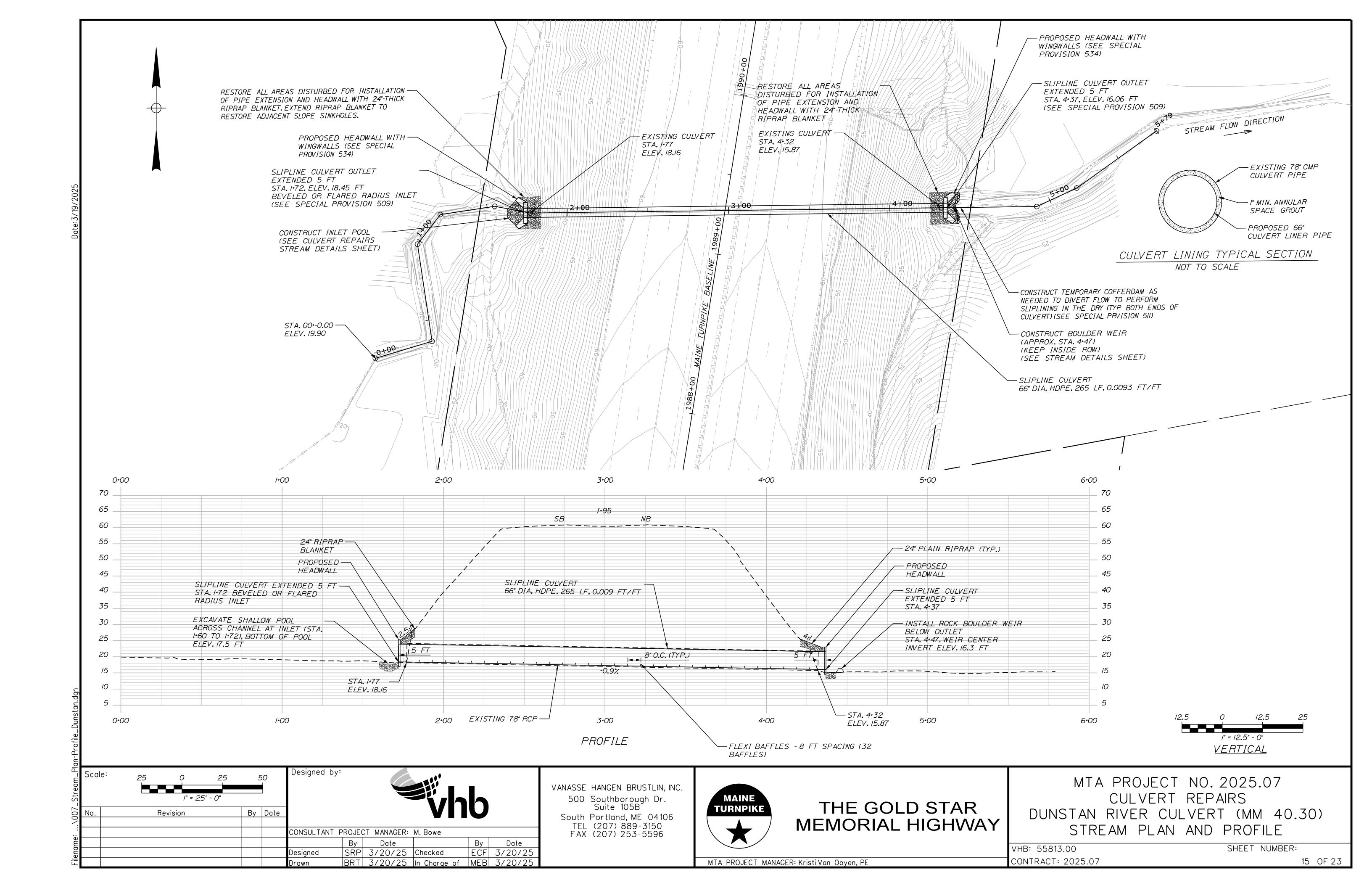


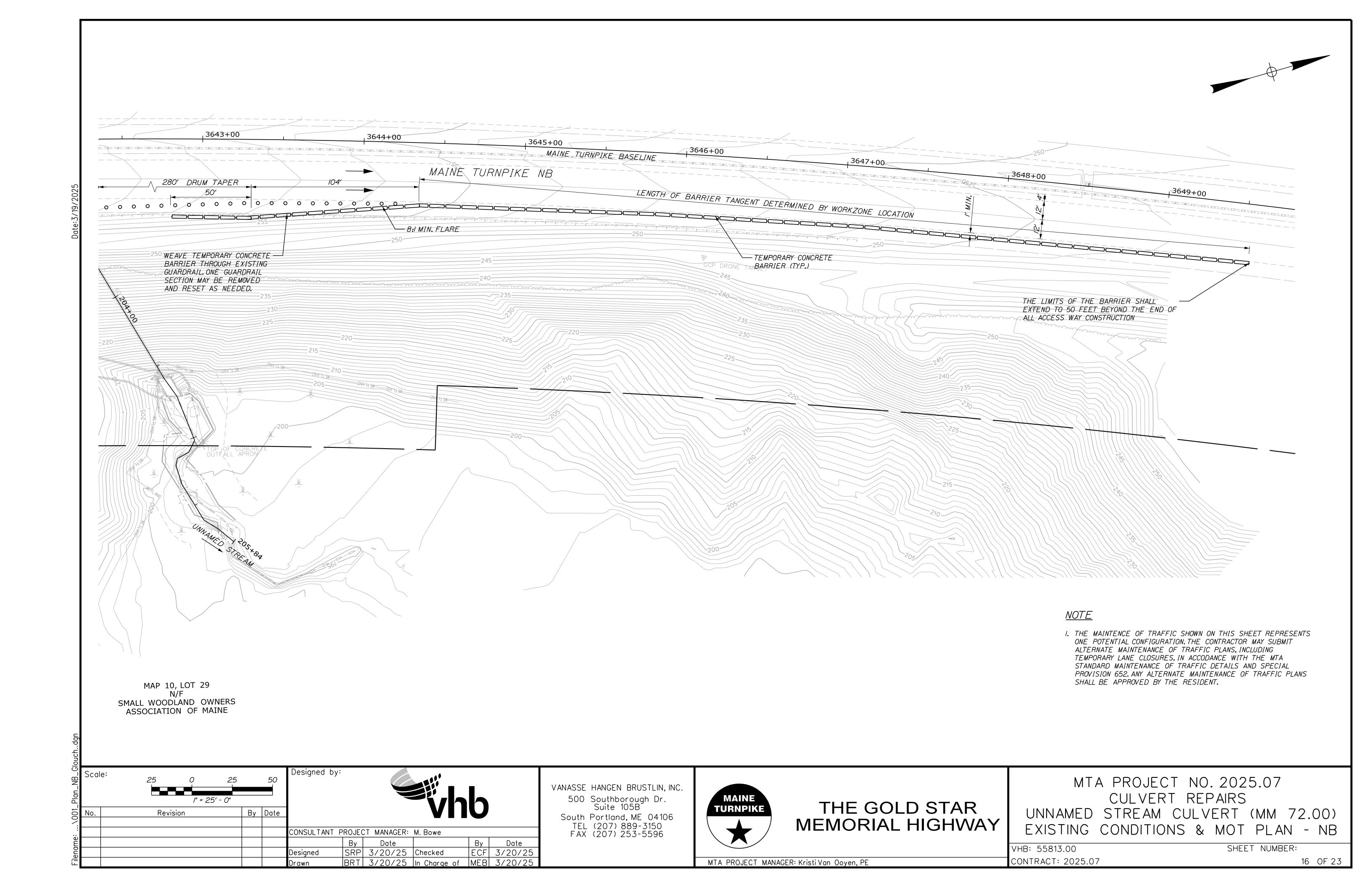


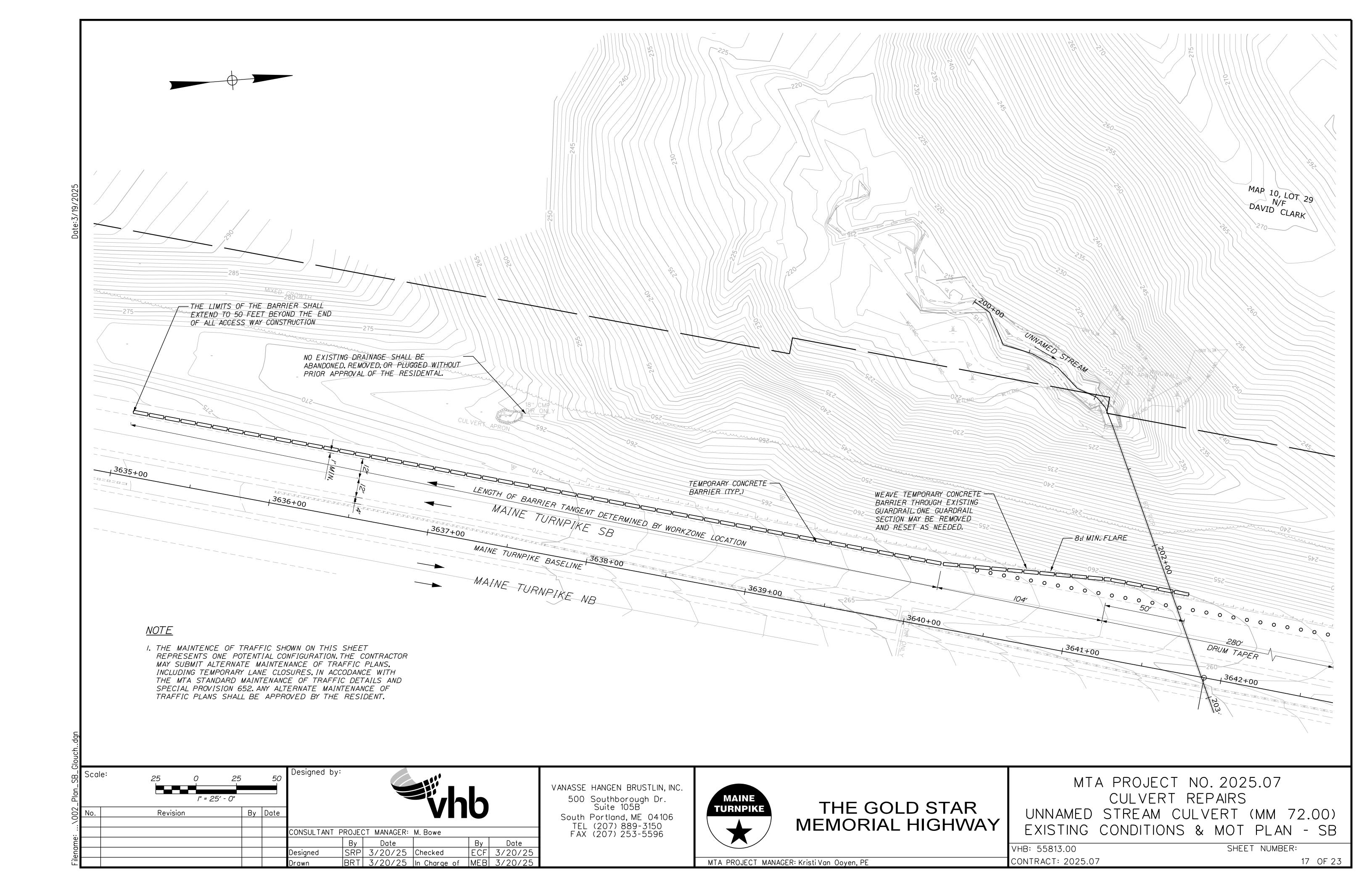


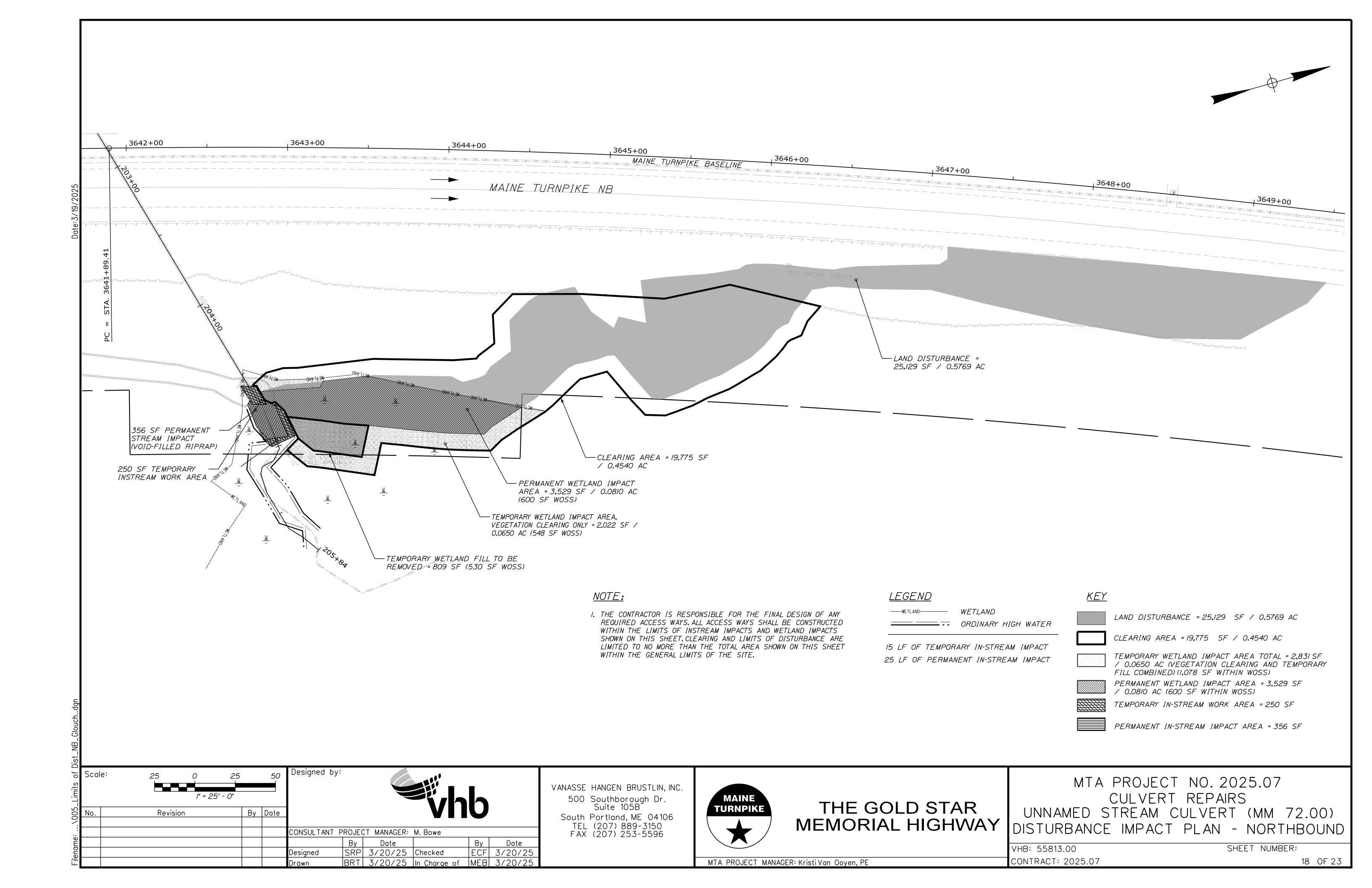


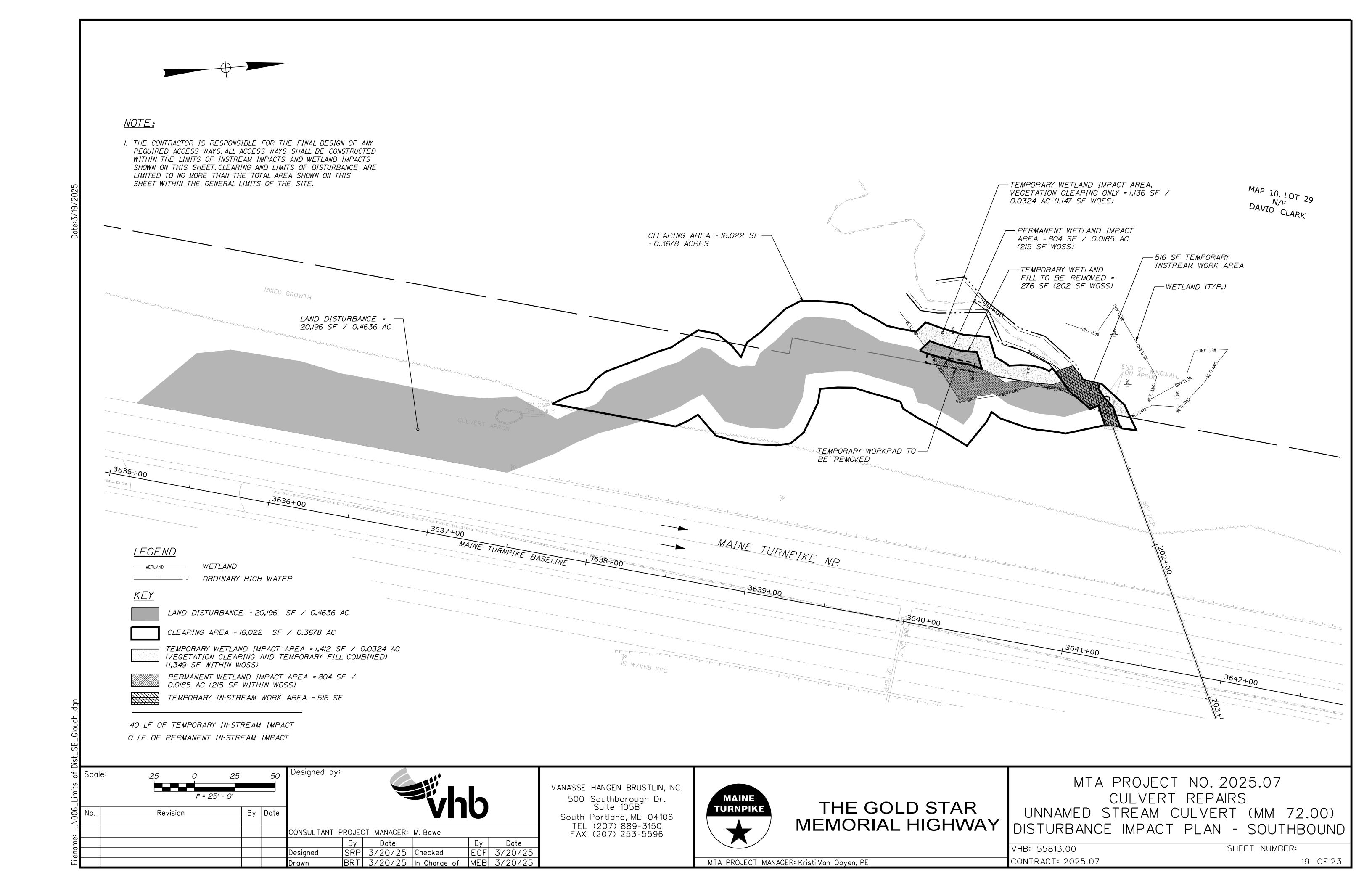


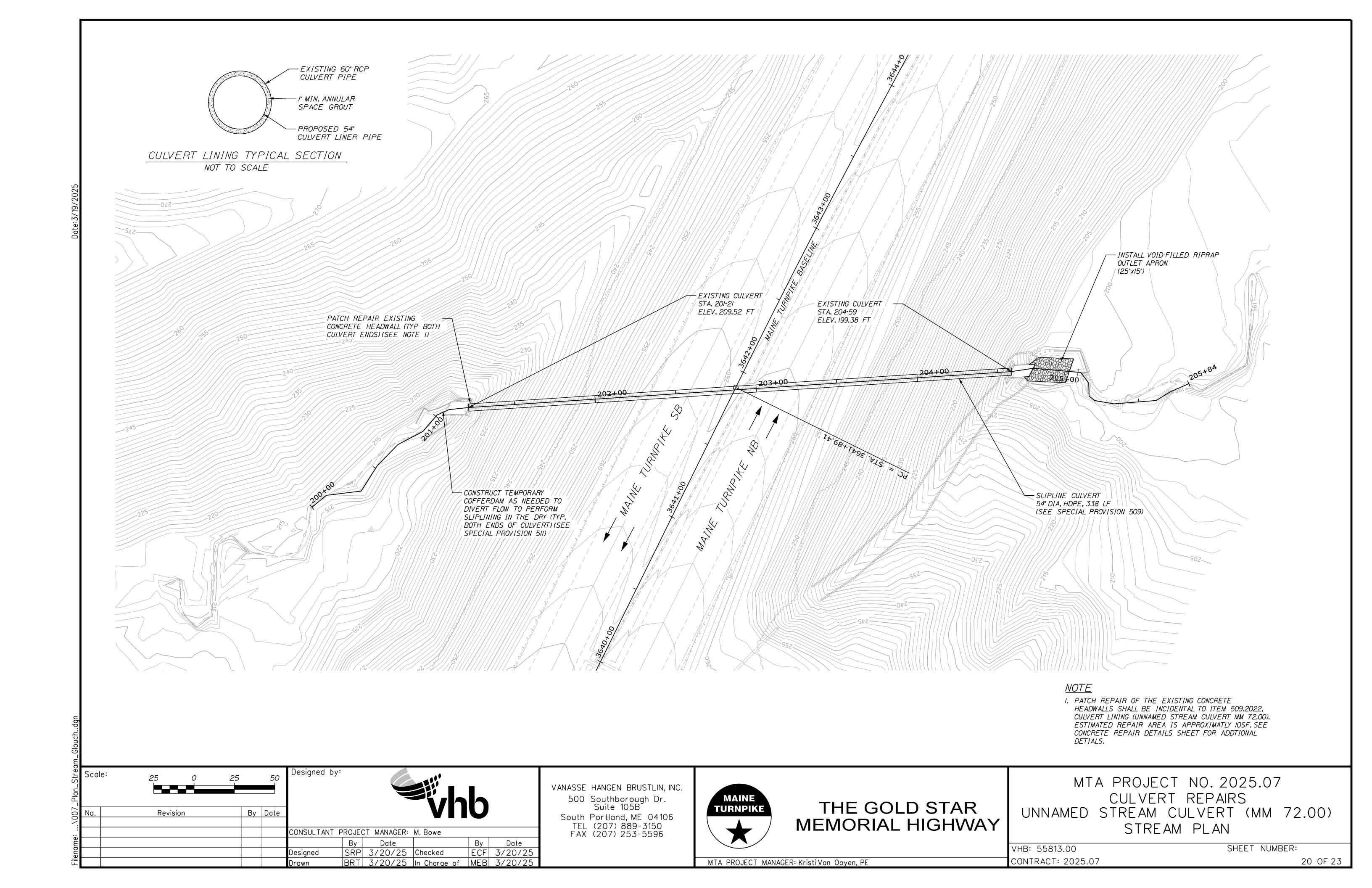


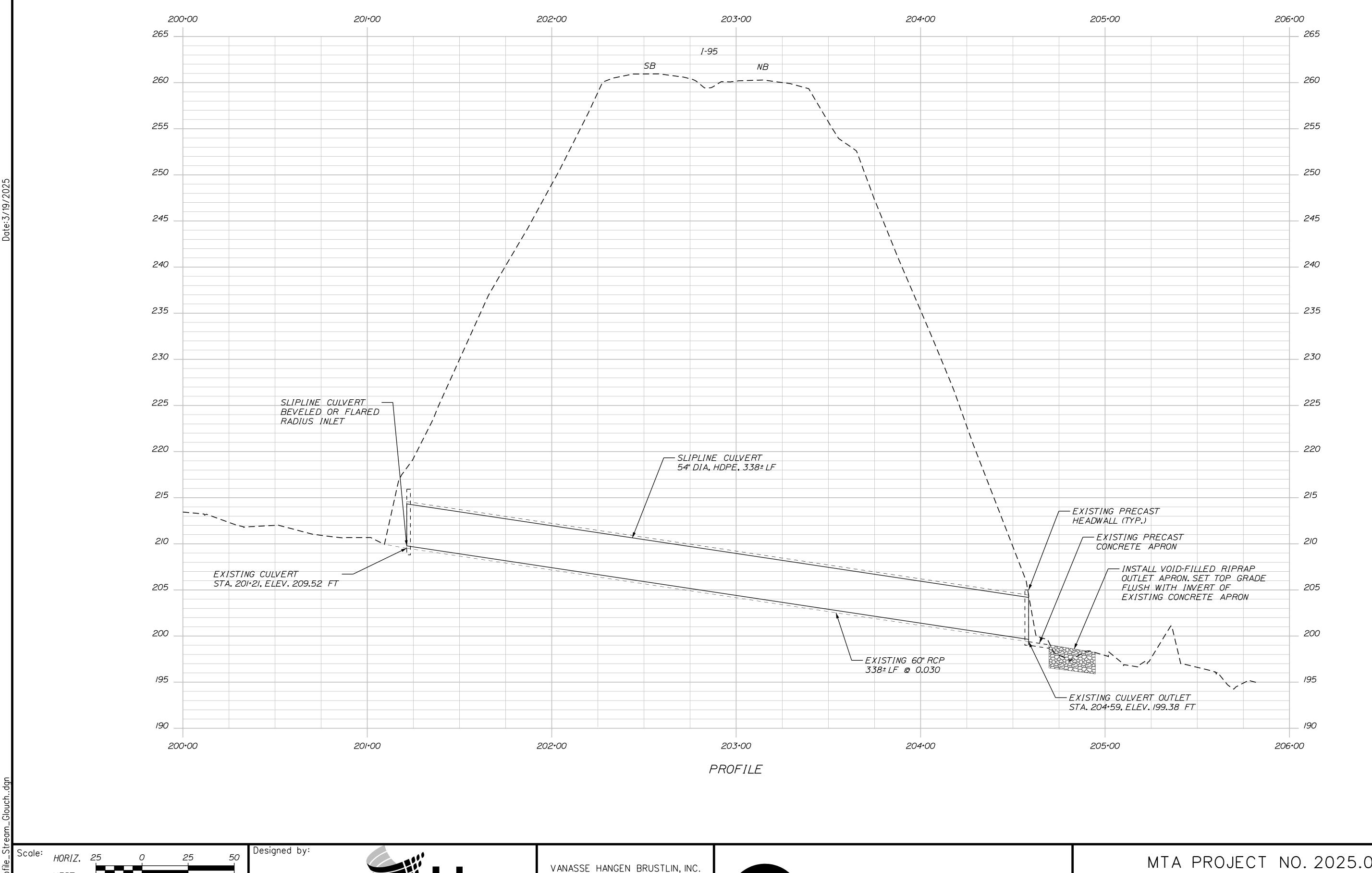


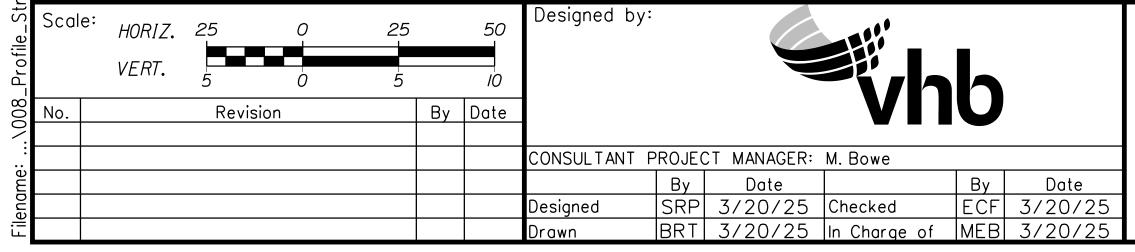












500 Southborough Dr. Suite 105B South Portland, ME 04106 TEL (207) 889-3150 FAX (207) 253-5596



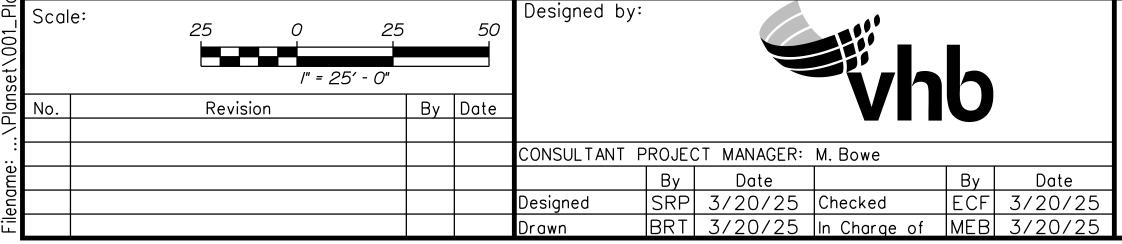
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT NO. 2025.07 CULVERT REPAIRS UNNAMED STREAM CULVERT (MM 72.00) STREAM PROFILE

SHEET NUMBER: VHB: 55813.00 CONTRACT: 2025.07

MTA PROJECT MANAGER: Kristi Van Ooyen, PE





VANASSE HANGEN BRUSTLIN, INC.
500 Southborough Dr.
Suite 105B

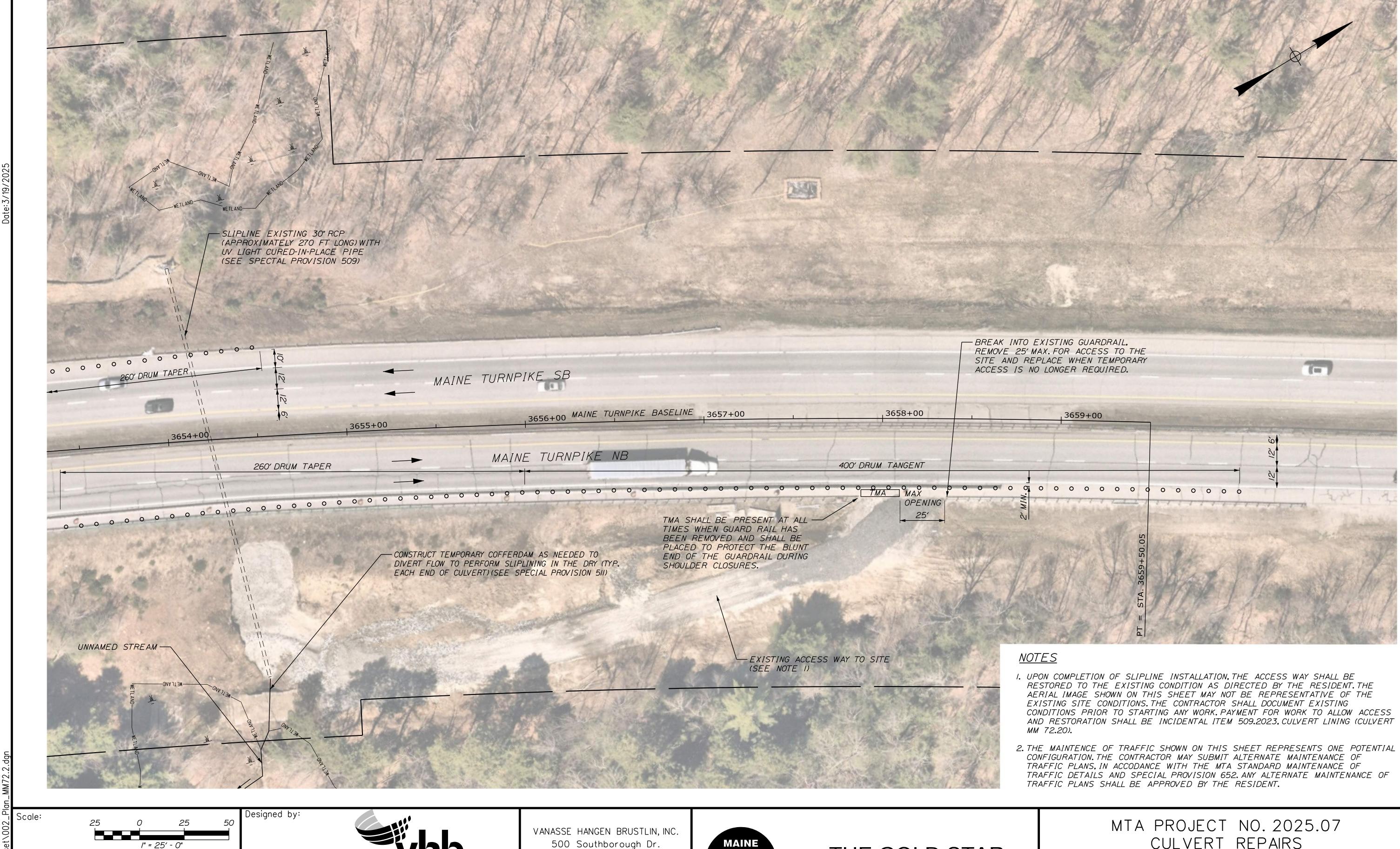
South Portland, ME 04106 TEL (207) 889-3150 FAX (207) 253-5596



THE GOLD STAR MEMORIAL HIGHWAY MTA PROJECT NO. 2025.07 CULVERT REPAIRS CULVERT (MM 72.20) GENERAL PLAN (1 OF 2)

VHB: 55813.00 SHEET NUMBER: CONTRACT: 2025.07

MTA PROJECT MANAGER: Kristi Van Ooyen, PE



Revision

By Date CONSULTANT PROJECT MANAGER: M. Bowe By Date Date ECF 3/20/25 SRP 3/20/25 Checked Designed

BRT 3/20/25 In Charge of MEB 3/20/25

500 Southborough Dr. Suite 105B

South Portland, ME 04106 TEL (207) 889-3150 FAX (207) 253-5596



THE GOLD STAR MEMORIAL HIGHWAY

CULVERT REPAIRS CULVERT (MM 72.20) GENERAL PLAN (2 OF 2)

SHEET NUMBER: VHB: 55813.00 23 OF 23 CONTRACT: 2025.07

MTA PROJECT MANAGER: Kristi Van Ooyen, PE