

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



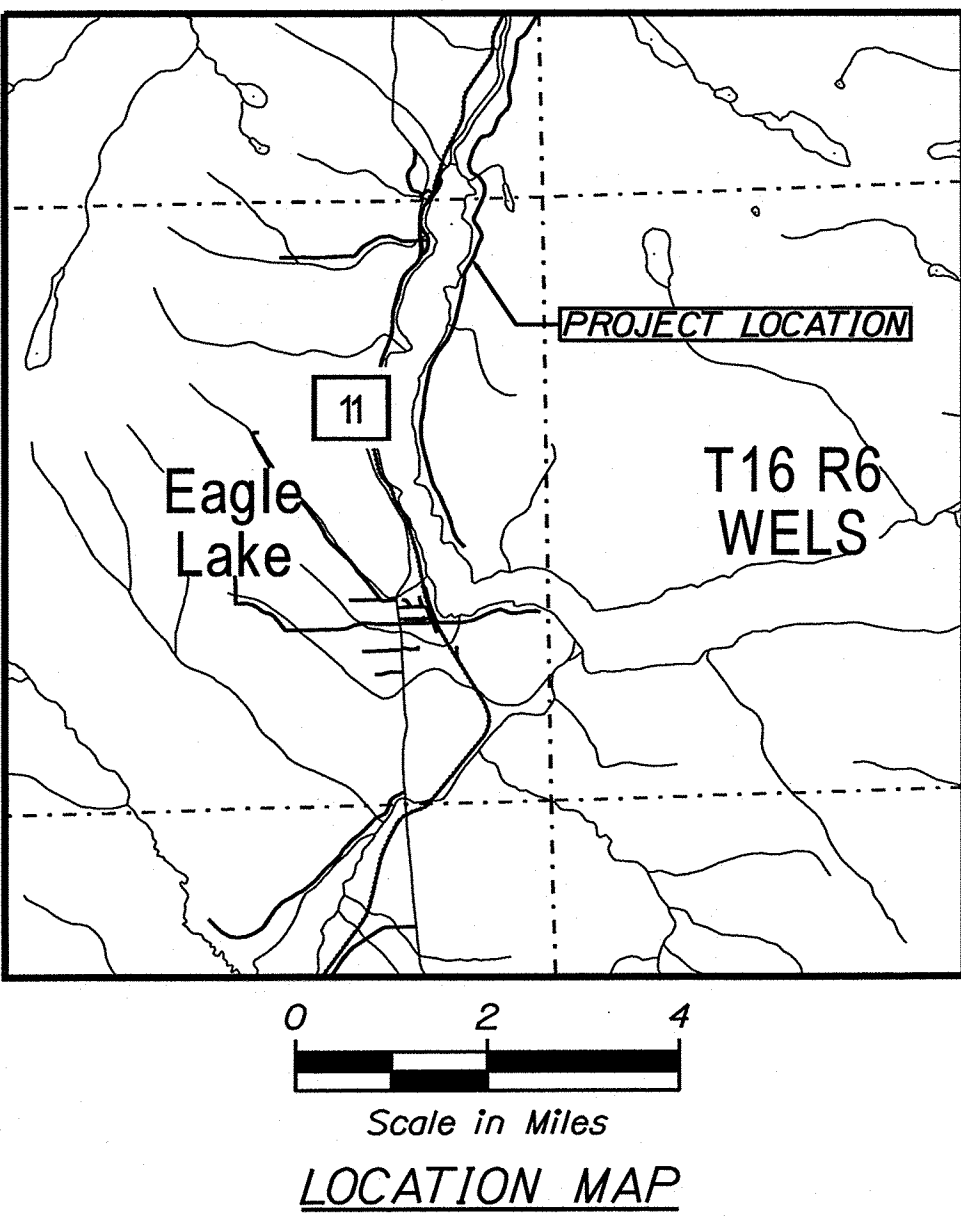
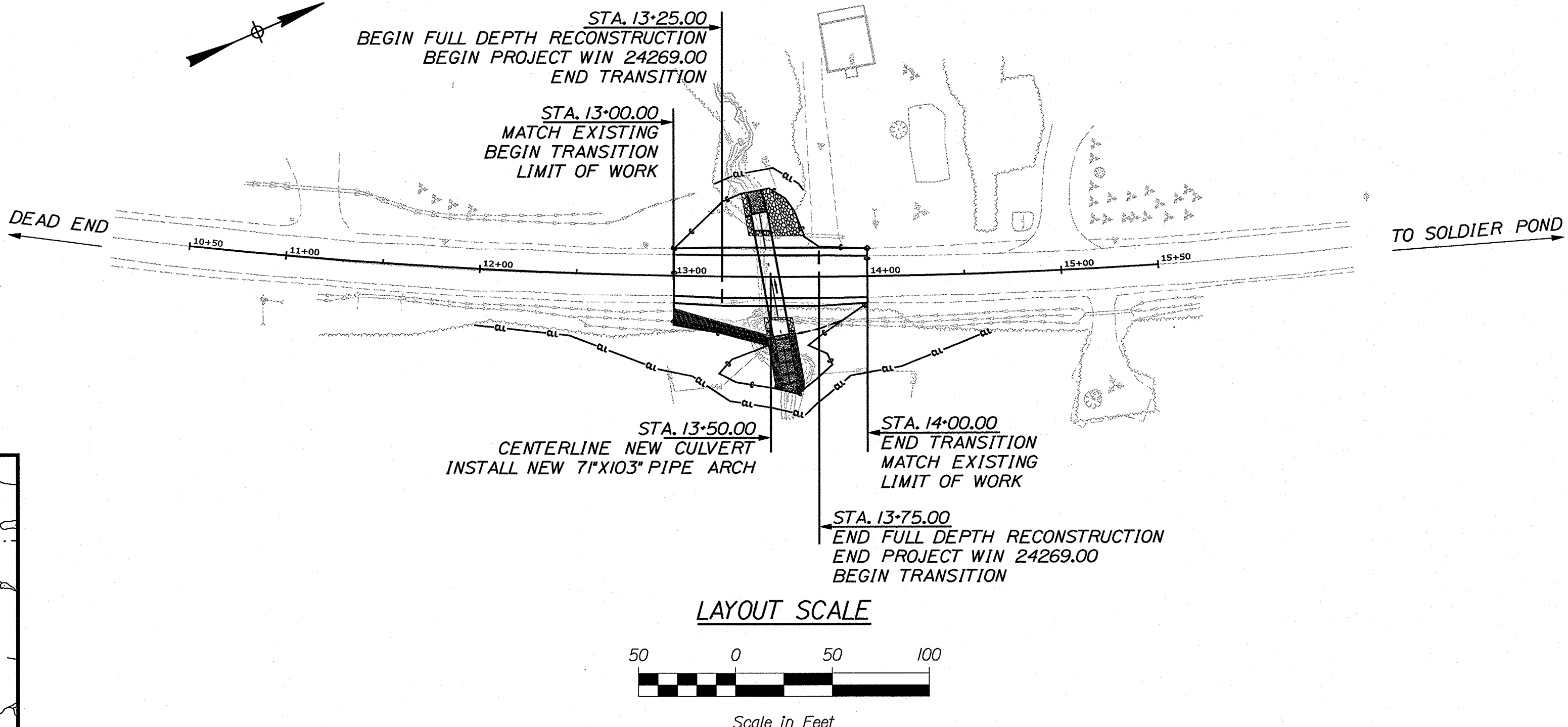
EAGLE LAKE
AROOSTOOK
SLY BROOK RD.
STATE PROJECT NO. 24269.00
PROJECT LENGTH: 0.07 MILES

PLAN LEGEND

Town, County, State	_____	Catch Basins	Existing	Proposed
Property Lines	_____	Manholes	Existing	Proposed
R/W Lines-Existing	_____	Proposed Underdrain	_____	
R/W Lines-Proposed	_____	Proposed Ditch	_____	
Culvert-Existing	_____	Existing Ditch	_____	
Culvert Proposed	_____	Utility Poles	Existing	Proposed
Curbing	Existing	Fire Hydrants	Existing	Proposed
Type 1	_____	Existing Water Line	_____	
Type 3	_____	Existing San. Sewer	_____	
Type 5	_____	Existing San. Sewer Manhole	_____	
Outline of Bodies of Water	_____	Guardrail-Existing	_____	
Exposed Bedrock	_____	Guardrail-Proposed	_____	
Buildings	_____	Guardrail-Cable, Other	_____	
Trees	Conifer	Centerline-Existing	_____	
Tree Line	_____	Centerline-Proposed	_____	
Clearing Limit Line	_____	Travelway-Existing	_____	
Railroad	_____	Travelway-Proposed	_____	
Boring	HB-XXX-###	Probe	P-#.X	
Pavement Core	PC-#	### = Depth		
Test Pit	TP-XXX-###	X = W (Weathered Rock)		
		R (Refusal)		
		NR (No Refusal)		

INDEX OF SHEETS

Description	Sheet No.
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Profile View	7
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TRAFFIC DATA

Current (2025) AADT	620
Future (2045) AADT	760
DHV - % of AADT	12%
Design Hour Volume	91
% Heavy Trucks (AADT)	14%
% Heavy Trucks (DHV)	10%
Directional Distribution (DHV)	65%
18-kip Equivalent P 2.0	56
18-kip Equivalent P 2.5	54
Design Speed (mph)	35 MPH
Corridor Priority	4

PROJECT LOCATION:	IN THE TOWN OF EAGLE LAKE, ON THE SLY BROOK RD, LOCATED 0.32MI NORTH OF THE PARADIS ROAD INTERSECTION.
PROGRAM AREA:	REGIONAL PROGRAM
SCOPE OF WORK:	LARGE CULVERT REPLACEMENT

STATE PROJECT NO. 24269.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED

COMMISSIONER: David Wardwell
CHIEF ENGINEER: David Wardwell

2-25-25
2-25-25

PROJECT INFORMATION

PROGRAM	REGIONAL PROGRAM
PROJECT MANAGER	ROGER SOUCY
DESIGNER	DAVE WARDWELL
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

EAGLE LAKE
SLY BROOK RD.

TITLE SHEET

SHEET NUMBER

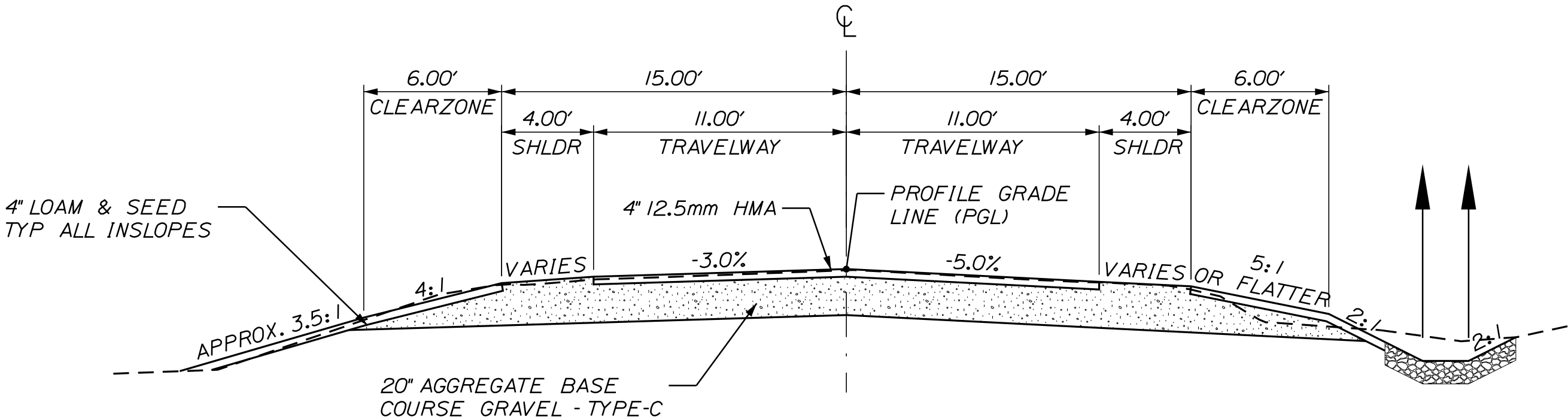
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OF 11

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	CY	220
203.25	GRANULAR BORROW	CY	240
203.33	SPECIAL FILL	CY	30
304.16	AGGREGAGE SUB BASE COURSE -TYPE C	CY	190
403.208	HOT MIX ASPHALT 12.5MM SURFACE	T	30
403.213	HOT MIX ASPHALT 12.5MM BASE	T	40
409.15	BITUMINOUS TACK COAT APPLIED	G	10
511.07	COFFERDAM:UPSTREAM	LS	1
511.07	COFFERDAM:DOWNSTREAM	LS	1
603.62	71"RISE x 103"SPAN POLYMER COATED PIPE ARCH	LF	64
610.08	PLAIN RIPRAP	CY	10
610.210	STONE DITCH PROTECTION	CY	50
610.212	STREAM CHANNEL ROCK	CY	10
610.213	STREAMBED ROCK FEATURES	CY	60
615.07	LOAM	CY	10
615.10	DIRTY BORROW	CY	30
618.13	SEEDING METHOD *1	UN	2
618.14	SEEDING METHOD *2	UN	5
619.12	MULCH	UN	7
620.58	EROSION CONTROL GEOTEXTILE	SY	160
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKER LINE	LF	300
627.78	TEMP 4" PAINT PAVEMENT MARK LINE WHITE OR YELLOW	LF	300
629.05	HAND LABOR, STRAIGHT TIME	HR	10
631.12	ALL PURPOSE EXC.(INC OPERATOR)	HR	10
631.172	TRUCK-LARGE (INC OPERATOR)	HR	10
639.20	FIELD OFFICE TYPE C	EA	1
643.72	TEMPORARY TRAFFIC SIGNAL	LS	1
652.33	DRUM	EA	20
652.34	CONE	EA	50
652.35	CONSTRUCTION SIGNS	SF	360
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	CD	30
652.38	FLAGGER	HR	60
652.61	STAGED CONSTRUCTION AND TRAFFIC CONTROL	LS	1
656.75	TEMP SOIL EROSION & WATER POLLUTION CONTROL	LS	1
659.10	MOBILIZATION	LS	1

GENERAL NOTES

- 1 PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
- 2 CLEARING LIMITS SHALL BE 10 FEET BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.
- 3 ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.
- 4 ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.
- 5 THE CONTRACTOR SHALL PLAN AND CONDUCT WORK SO THAT UPON FINAL COMPLETION OF THE PROEJCT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT.
- 6 THE CONTRACTOR SHALL PLACE SUITABLE EXISTING OR OTHER MATERIAL ACCEPTABLE TO THE RESIDENT ON ALL PAVEMENT EDGES TO ALLOW A DROP OFF NO GREATER THAN THE SURFACE PAVEMENT THICKNESS. THE MATERIAL SHALL BE GRADED TO MATCH THE EXISTING INSLOPE OR AS DIRECTED BY THE RESIDENT BEFORE SURFACE IS PLACED. THE CONTRACTOR WILL BE PAID UNDER APPROPRIATE EQUIPMENT RENTAL ITEMS. BORROW IS NOT AUTHORIZED UNTIL ALL ACCEPTABLE WASTE MATERIAL HAS BEEN UTILIZED. SEED AND MULCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE.
- 7 ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
- 8 REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.
- 9 GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1FOOT ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATIONS ITEM 703.19, GRANULAR BORROW.
- 10 THE ALGEBRAIC DIFFERENCE BETWEEN TRAVELWAY AND SHOULDER CROSS SLOPE SHALL NOT EXCEED 8 PERCENT.
- 11 NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
- 12 LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT
- 13 DIRTY BORROW HAS BEEN ESTIMATED FOR ALL DISTURBED SLOPE AREAS OTHER THAN LAWN AREAS. ACTUAL PLACEMENT OF DIRTY BORROW SHALL BE AS NOTED ON THE PLANS OR AS DIRECTED BY THE RESIDENT.
- 14 UNLESS OTHERWISE NOTED SEEDING METHOD NO.1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO.2 SHALL BE UTILIZED ON ALL OTHER AREAS.
- 15 LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.
- 16 DIRTY BORROW SHALL BE PLACED TO A NOMINAL DEPTH OF 2 INCHES UNLESS OTHERWISE NOTED OR DIRECTED.
- 17 ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 18 THE PROJECT GEOTECHNICAL REPORT TITLED "GEOTECHNICAL DESIGN REPORT FOR THE REPLACEMENT OF LARGE CULVERT #180935", SOILS REPORT 2024-53, NOVEMBER 13, 2024 CAN BE ACCESSED AT THE MAINE DOT WEBSITE [HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/](http://www.maine.gov/mdot/contractors/).
- 19 GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE BID DOCUMENTS IS FOR THE USE OF THE BIDDERS. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF THE ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. MAINEDOT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS PROVIDED IN THE BID DOCUMENTS (IF ANY) PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.
- 20 NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
- 21 "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.



TYPICAL FULL CONSTRUCTION
NOT TO SCALE

EAGLE LAKE
SLY BROOK RD.

ESTIMATED QUANTITIES, TYPICAL
SECTIONS, GENERAL & CONST. NOTES

SHEET NUMBER

2

OF 11

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

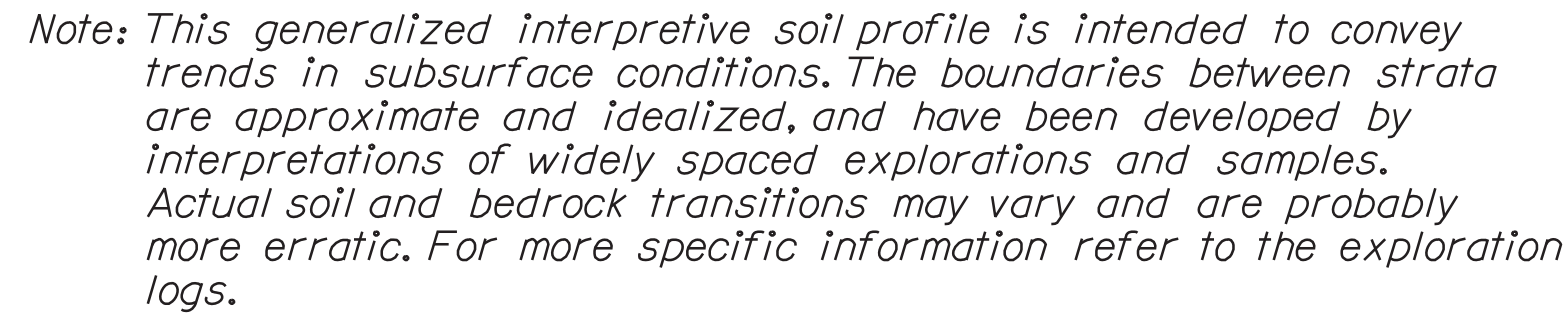
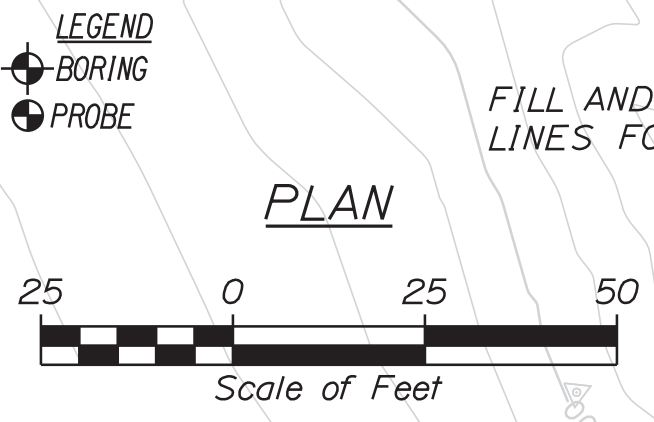
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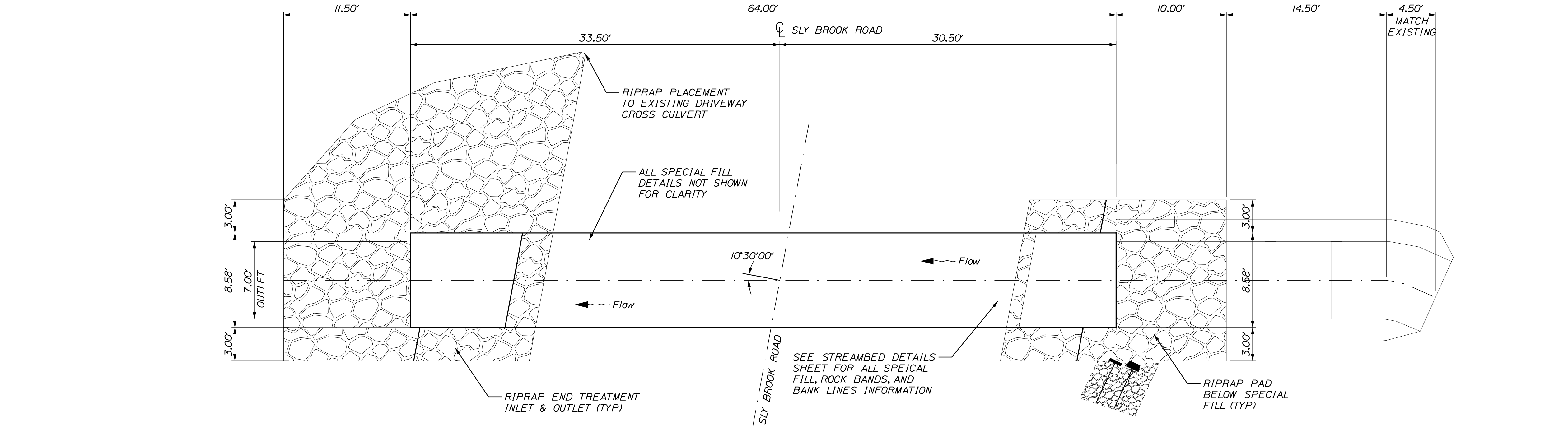
WIN

24269.00

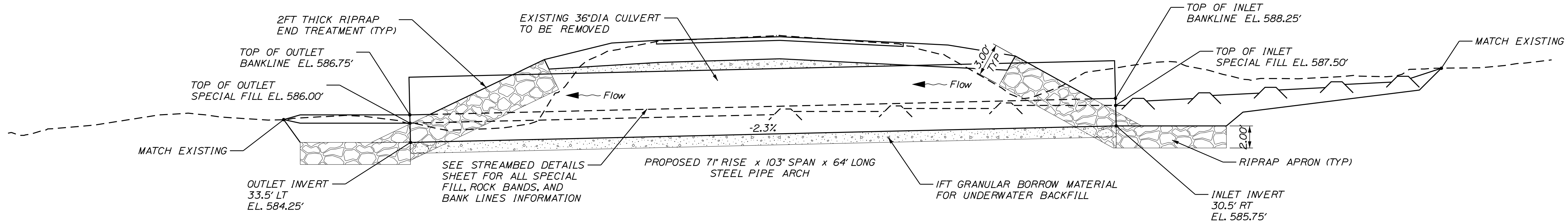
HIGHWAY PLANS

PROJ. MANAGER	ROGER SOUCY	BY	DATE	SIGNATURE
DESIGN-DETAILED	WARDWELL	WARDWELL	02-2025	
CHECKED-REVIEWED	WARDWELL	SOUCY	02-2025	
DESIGN-DETAILED	-	-	-	
DESIGN-DETAILED	-	-	-	
REVISIONS 1	-	-	-	
REVISIONS 2	-	-	-	
REVISIONS 3	-	-	-	
REVISIONS 4	-	-	-	
FIELD CHANGES	-	-	-	

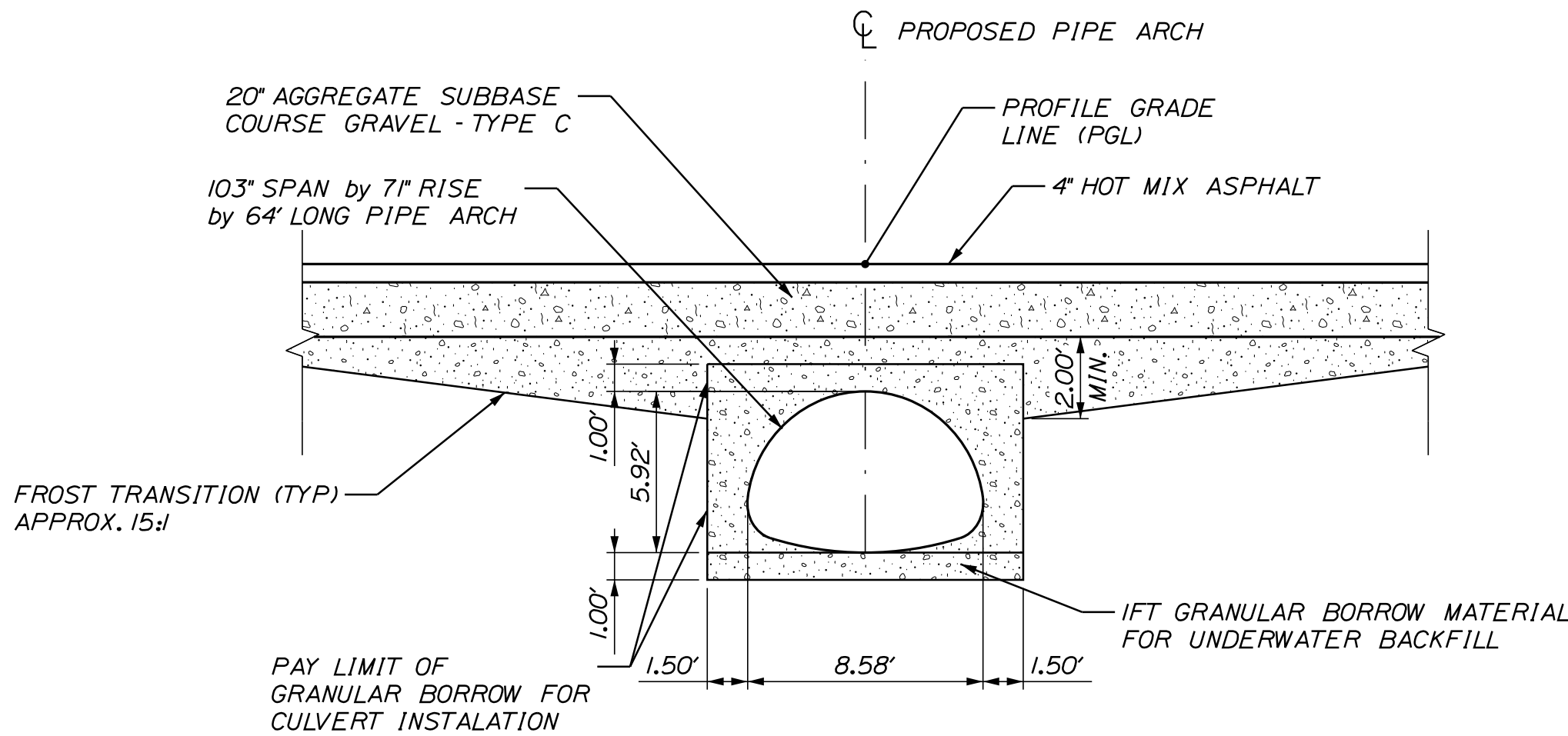
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TYPICAL PROPOSED PIPE ARCH PLAN VIEW



TYPICAL PROPOSED PIPE ARCH TRANSVERSE SECTION (ALONG CULVERT C)



PROPOSED PIPE ARCH TYPICAL SECTION

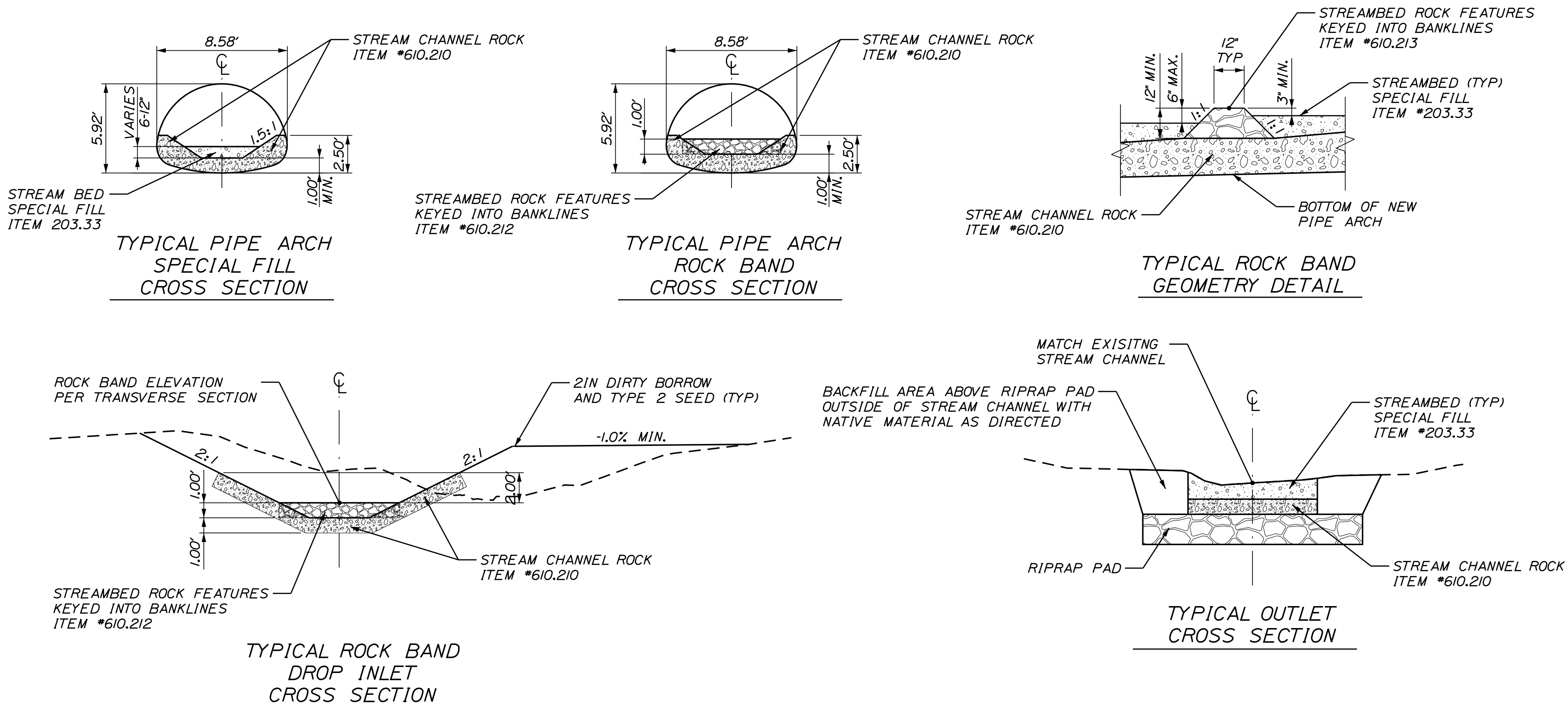
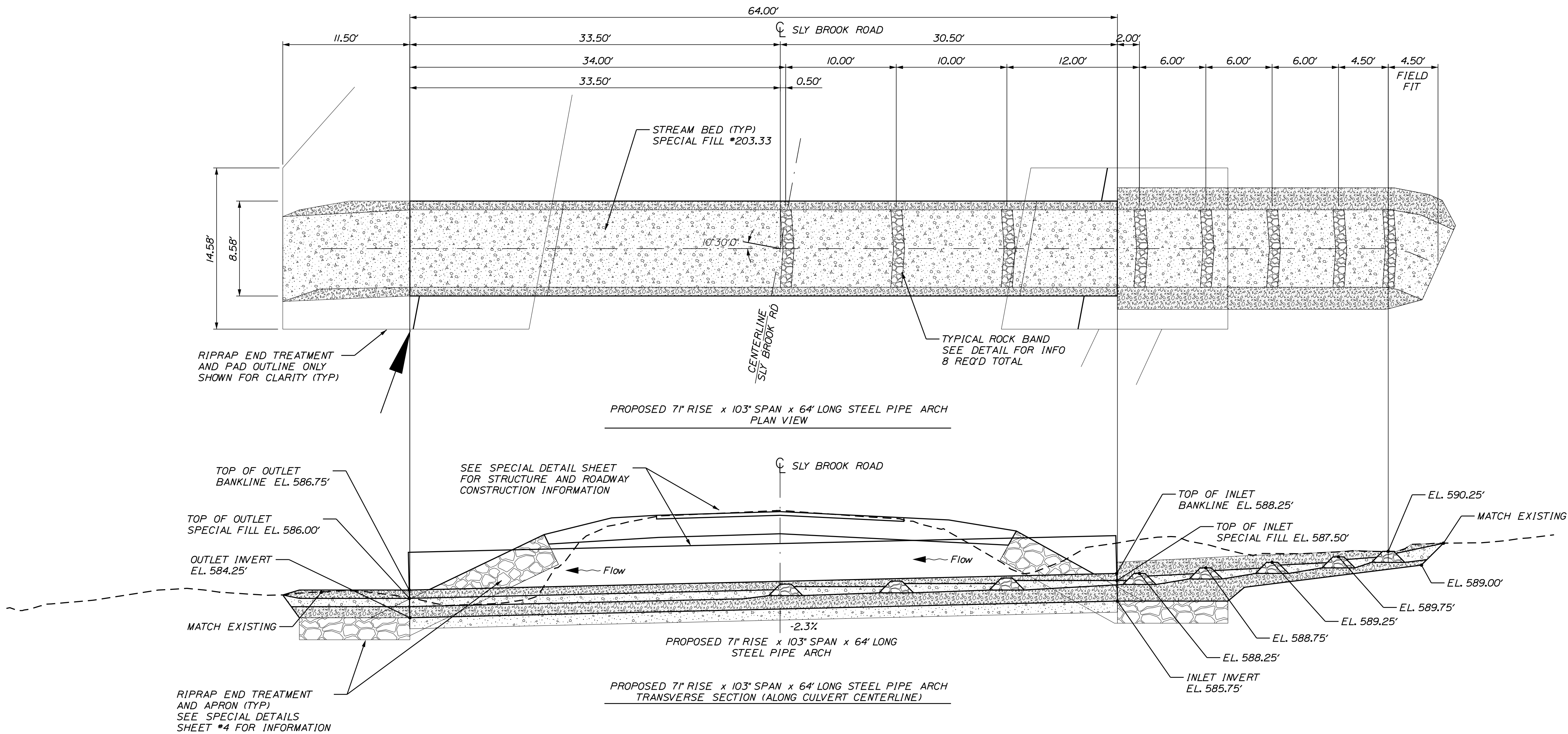
- NOTES:
- 1) FROST TRANSITION SHOWN IS APPROXIMATE. LIMITS MAY BE ADJUSTED AS DIRECTED BY RESIDENT
 - 2) VOIDS IN RIPRAP APRONS SHALL BE INFILLED WITH GRANULAR BORROW, OR OTHER MATERIAL APPROVED BY THE RESIDENT, WATERED-IN AND/OR TAMPED BEFORE COVERING WITH ITEM 610.210. THIS OPERATION IS INCIDENTAL TO THE 610.210 PLACEMENT.

STATE OF MAINE
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24269.00
WIN
24269.00
HIGHWAY PLANS

PROJ. MANAGER	ROGER SOUCY	BY	DATE
CHECKED-DESIGNED	WARDWELL	WARDWELL	02-2025
CHECKED-REVIEWED	WARDWELL	SOUCY	02-2025
DESIGN-DETAILED	-	-	-
DESIGN-REVIEWED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

EAGLE LAKE
SLY BROOK RD.
SPECIAL DETAILS

SHEET NUMBER
4
OF 11



STREAMBED DETAIL NOTES:

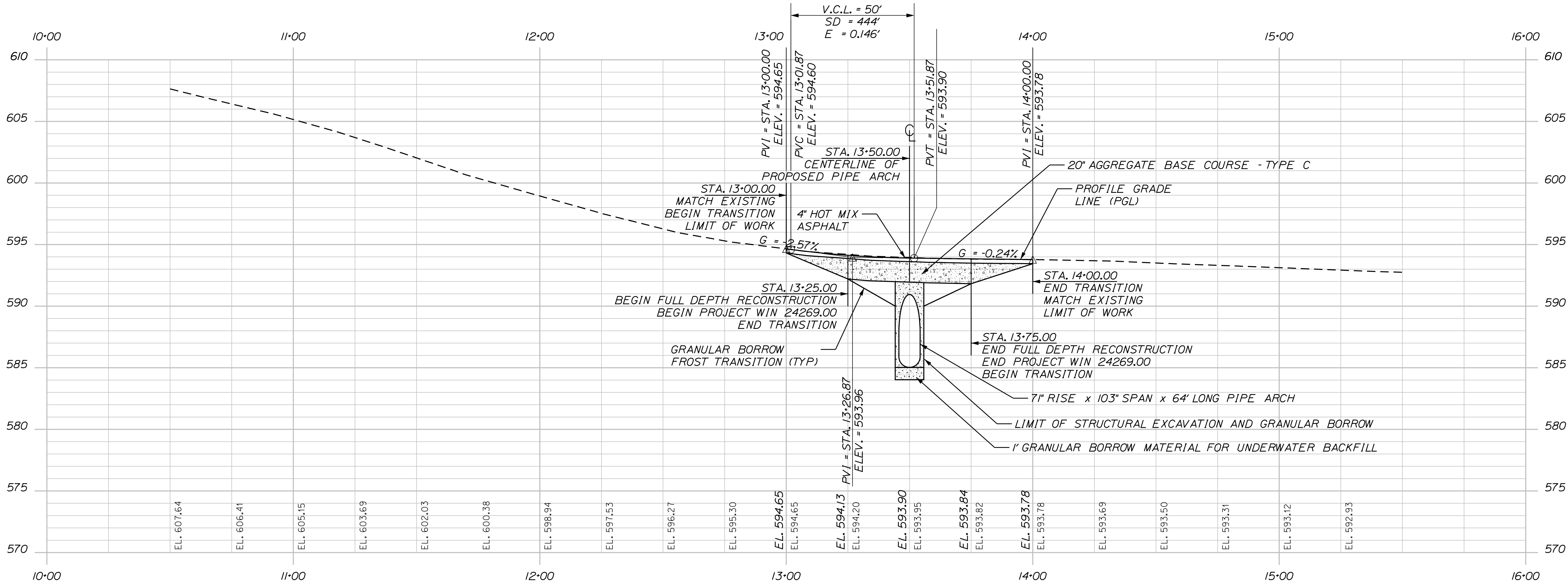
1. ROCK BANDS IN REGRADED INLET SECTION TO BE EMBEDDED INTO UNDERLAYMENT (6-IN MAX)
2. BENCHING DROP INLET FILL AREAS MAY BE DIRECTED BY RESIDENT IN-LIEU OF FILL AS SHOWN.
3. ROCKBANDS TO BE PLACED IN SLIGHT "V" SHAPE WITH TIP FACING UPSTREAM WHERE POSSIBLE AND AS DIRECTED BY THE RESIDENT.

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
24269.00	
WIN	
24269.00	
HIGHWAY PLANS	

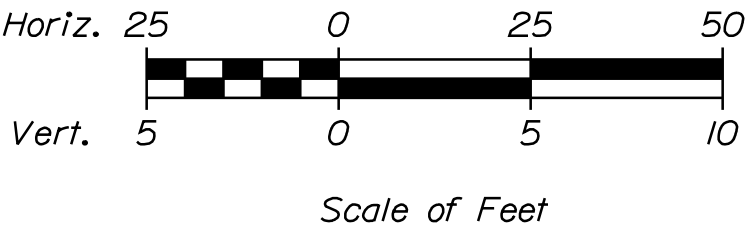
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CHECKED-REVIEWED	WARDWELL	SOUCY	02-2025			
DESIGNS-DETAILED						
DESIGNS-DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

EAGLE LAKE SLY BROOK RD.	STREAMBED DETAILS
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SHEET NUMBER	5
OF 11	



PROFILE



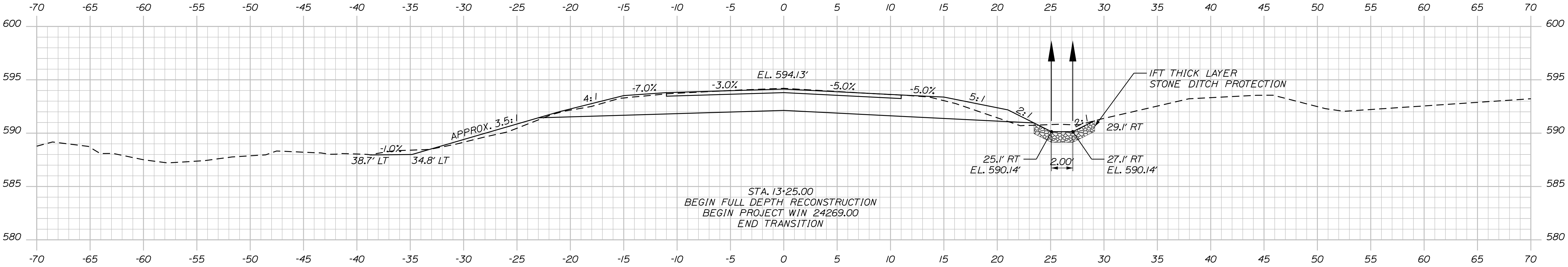
EAGLE LAKE SLY BROOK RD. PROFILE VIEW	STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
	24269.00			
	WIN 24269.00			HIGHWAY PLANS
	SHEET NUMBER			
2	PROJ. MANAGER	ROGER SOUCY	BY	DATE
	DESIGN-DETAILED	WARDWELL	WARDWELL	02-2025
	CHECKED-REVIEWED	WARDWELL	SOUCY	02-2025
	DESIGN-DETAILED	-	-	-
	DESIGN-DETAILED	-	-	-
	REVISIONS 1	-	-	-
OF 11	REVISIONS 2	-	-	-
	REVISIONS 3	-	-	-
	REVISIONS 4	-	-	-
	FIELD CHANGES	-	-	-
		SIGNATURE		
		P.E. NUMBER		
		DATE		

Date:2/11/2025

Username: David.Wardwell

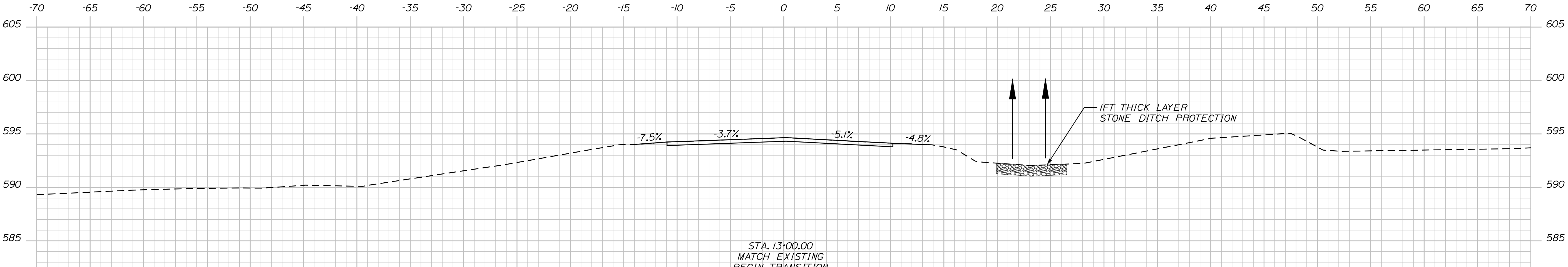
Division: HIGHWAY

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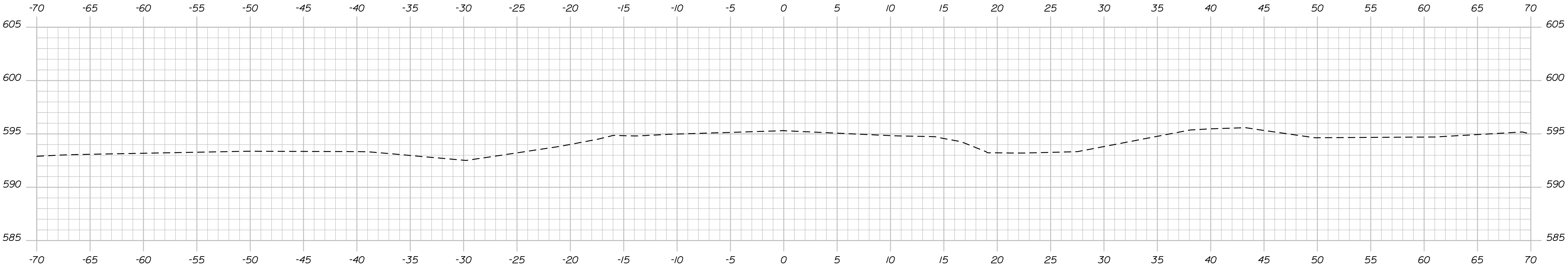
STA. 13+25.00
BEGIN FULL DEPTH RECONSTRUCTION
BEGIN PROJECT WIN 24269.00
END TRANSITION

13+25.00



STA. 13+00.00
MATCH EXISTING
BEGIN TRANSITION
LIMIT OF WORK

13+00.00



12+75.00

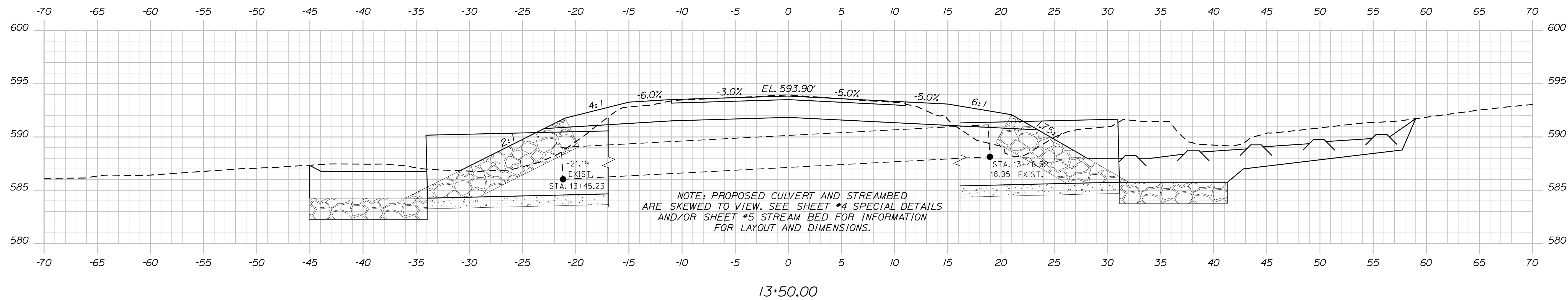
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
24269.00	
WIN	24269.00
HIGHWAY PLANS	

PROJ. MANAGER	ROGER SOUCY	BY	DATE
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DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

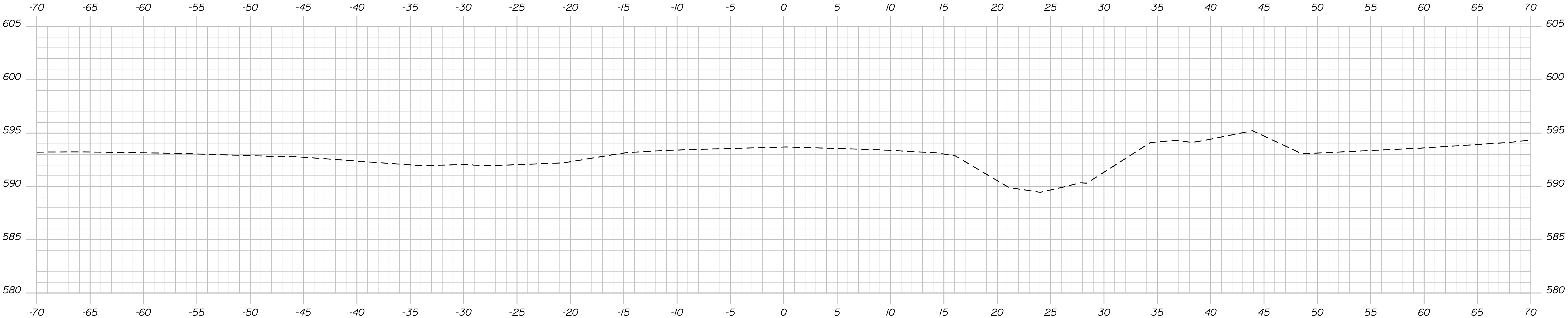
EAGLE LAKE SLY BROOK RD.	
CROSS SECTIONS	

SHEET NUMBER
8
OF 11

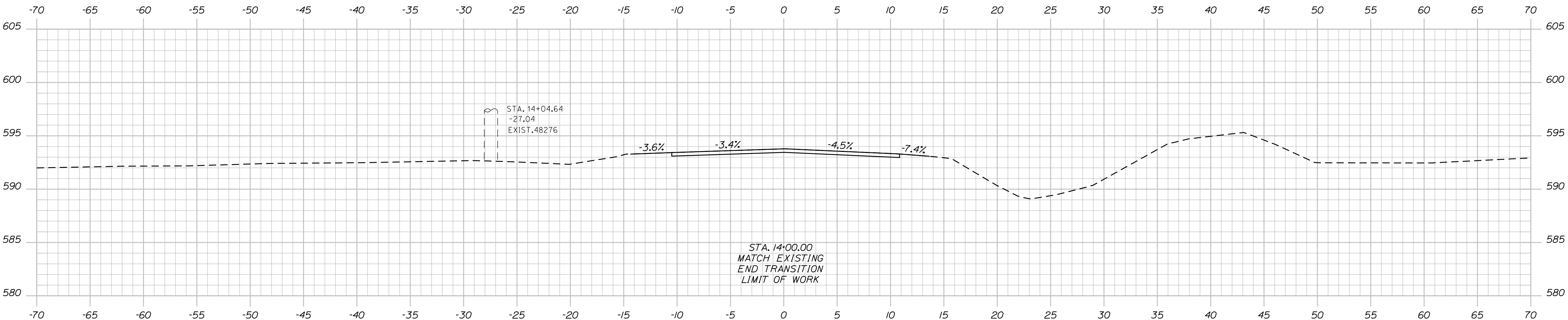
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SHEET NUMBER
9
OF 11



14+25.00



14+00.00

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
24269.00	
WIN	24269.00
HIGHWAY PLANS	

SIGNATURE	
P.E. NUMBER	
DATE	
BY	DATE
WARDWELL	02-2025
SOUCY	02-2025
DESIGN-DETAILED	WARDWELL
CHECKED-REVIEWED	WARDWELL
DESIGN-DETAILED	-
REVISIONS 1	-
REVISIONS 2	-
REVISIONS 3	-
REVISIONS 4	-
FIELD CHANGES	-

EAGLE LAKE SLY BROOK RD.	
CROSS SECTIONS	

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10	
OF 11	

