

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



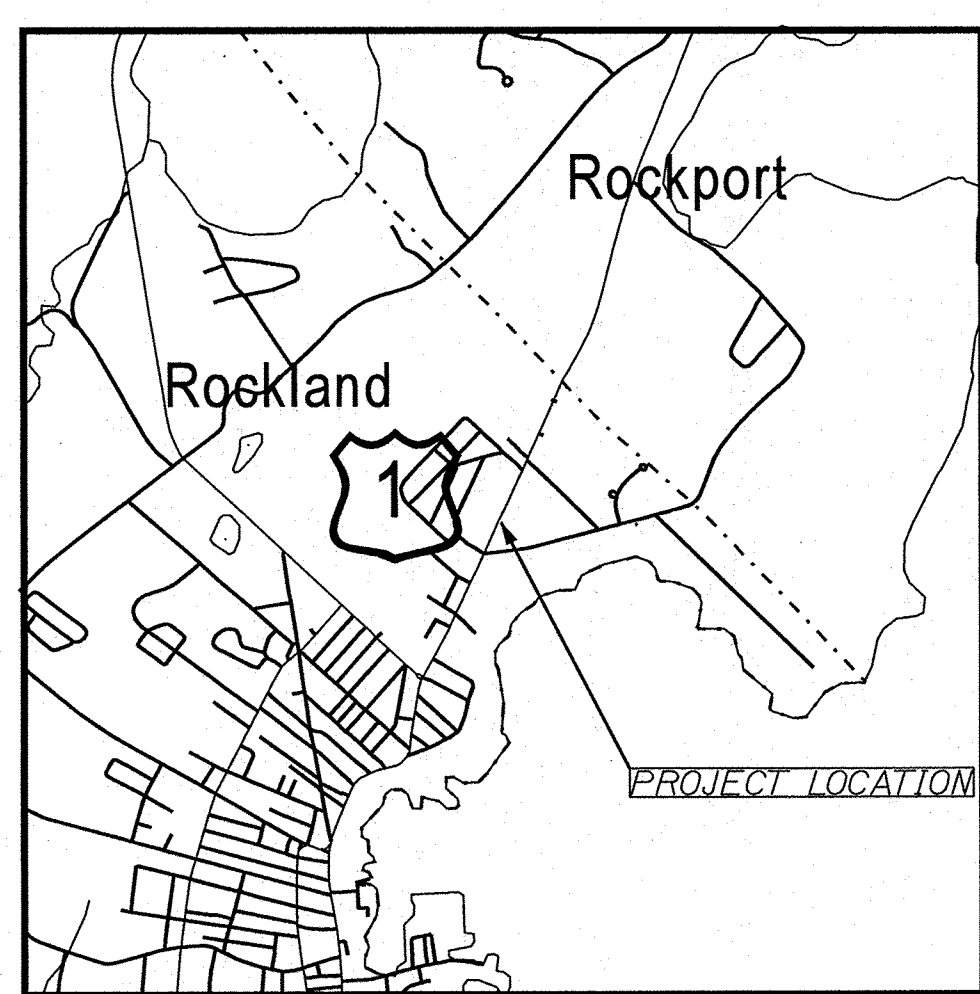
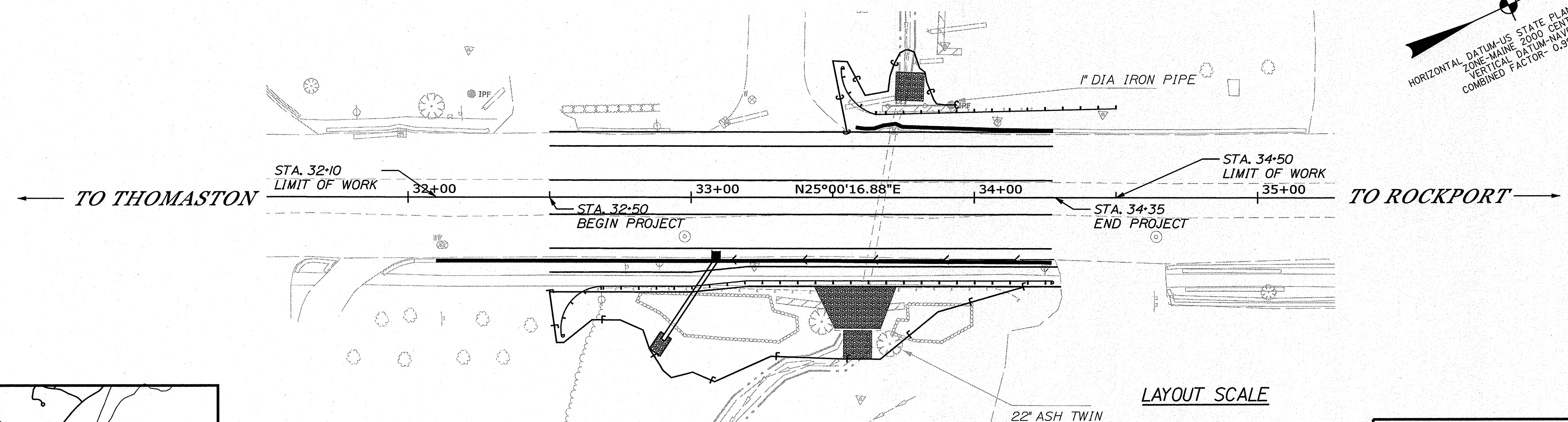
## ROCKLAND KNOX COUNTY U.S. ROUTE 1 FEDERAL PROJECT NO. 1879410

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

INDEX OF SHEETS	
Description	Sheet No.
Title Sheet	1
General Notes, Construction Notes & Typical Sections	2
Plan / Profile	3
Culvert Details	4
Cross - Sections	5-8
Right of Way Map	9

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER	<i>[Signature]</i>	1-12-21
CHIEF ENGINEER	<i>[Signature]</i>	1-12-21

BRIAN J. REEVES 19854 LICENSED PROFESSIONAL ENGINEER	
SIGNATURE	1/3/21
P.E. NUMBER	115721
DATE	



TRAFFIC DATA	
Current (2021) AADT	14870
Future (2033) AADT	15760
DHV - % of AADT	11%
Design Hour Volume	2001
% Heavy Trucks (AADT)	3%
Directional Distribution (DHV)	52%
Design Speed (mph)	35
Functional Class	Other Princ. Arterial
Corridor Priority	1

MATERIALS	
Concrete:	
Structural Concrete Abutments & Retaining Walls	Class "A"
Reinforcing Steel	ASTM A 615/A 615M, Grade 60
BASIC DESIGN STRESSES	
Concrete:	
Class P	F'c= 5000 psi
Class A	F'c= 4,000 psi
Reinforcing Steel:	
Plain	Fy= 60,000 psi

<b>PROJECT LOCATION:</b>	0.1 OF A MILE NORTH OF WALDO AVENUE
<b>PROGRAM AREA:</b>	HIGHWAY PROGRAM
<b>SCOPE OF WORK:</b>	LARGE CULVERT IMPROVEMENT

WIN 18794.10 FEDERAL PROJECT NO. 1879410

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	D. COOMBS
DESIGNER	D. PROBE
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

ROCKLAND  
U.S. ROUTE 1  
TITLE SHEET

SHEET NUMBER  
**1**  
OF 9

Date: 1/4/2021  
Username: Kyle.MacDonald  
Division: HIGHWAY  
Filename: ...HIGHWAY\MSTA\001\_Title\_2.dgn

**GENERAL NOTES**

1. 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.
2. THE CONTRACTOR SHALL PLAN AND CONDUCT THEIR WORK ACCORDINGLY SO THAT UPON FINAL COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT.
3. GRANULAR BORROW USED UNDER PIPES SHALL MEET THE REQUIREMENTS FOR MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19.
4. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
5. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
6. 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.
7. 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.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE MADE UNDER THE APPROPRIATE RENTAL ITEMS.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE CAREFUL SIDE STAKING OF EXISTING CENTERLINE AS PER STANDARD SPECIFICATION 105.6.2. SIDE STAKES SHALL BE PLACED SAFELY OUTSIDE OF THE CONSTRUCTION LIMITS AND THE EXISTING CENTERLINE GRADES SHALL BE TRANSFERRED TO THESE STAKES. THESE STAKES AND GRADES WILL BE USED TO LAYOUT CENTERLINE AND DETERMINE NEW CONSTRUCTION FINISH GRADES FROM DIFFERENTIAL ELEVATION SHEETS FURNISHED BY MAINEDOT. ALL LAYOUT, STAKES, AND GRADES WILL BE CHECKED AND MUST BE ACCEPTABLE TO THE RESIDENT.
10. 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.
11. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.
12. 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.
13. STATIONS REFERENCED ARE APPROXIMATE.

**CONSTRUCTION NOTES**

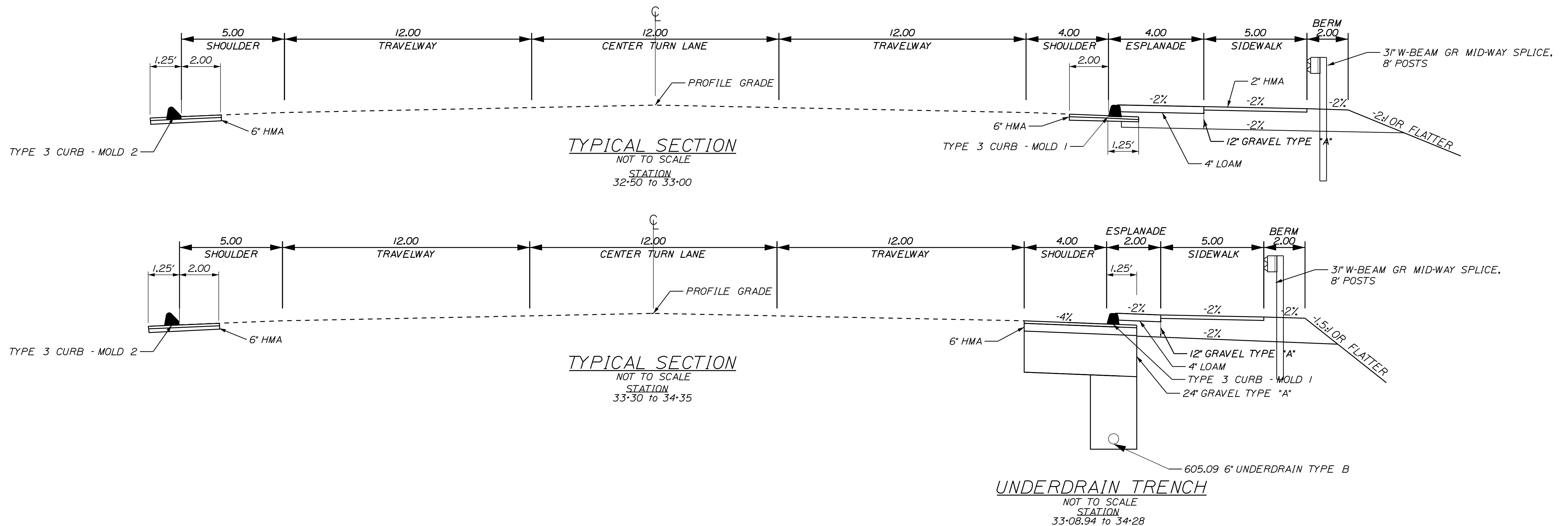
1. JOINTS BETWEEN EXISTING AND PROPOSED PAVEMENT SHALL BE SAW CUT. PAYMENT WILL BE CONSIDERED INCIDENTAL TO THE PAVING ITEMS.
2. COFFER DAM MAY BE SAND BAGS AS APPROVED IN THE EROSION CONTROL PLAN.
3. REMOVAL OF PAVEMENT SHALL BE PAID UNDER ITEM 203.20 COMMON EXCAVATION.
4. REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL WILL BE CONSIDERED INCIDENTAL TO 606 ITEMS.

Date: 12/17/2020

Username: Kyle.MacDonald

Division: HIGHWAY

Filename: ... \MSTA\002\_GeneralNotes.dgn

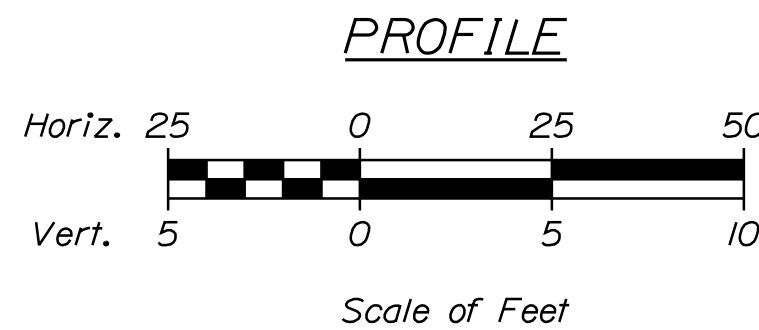
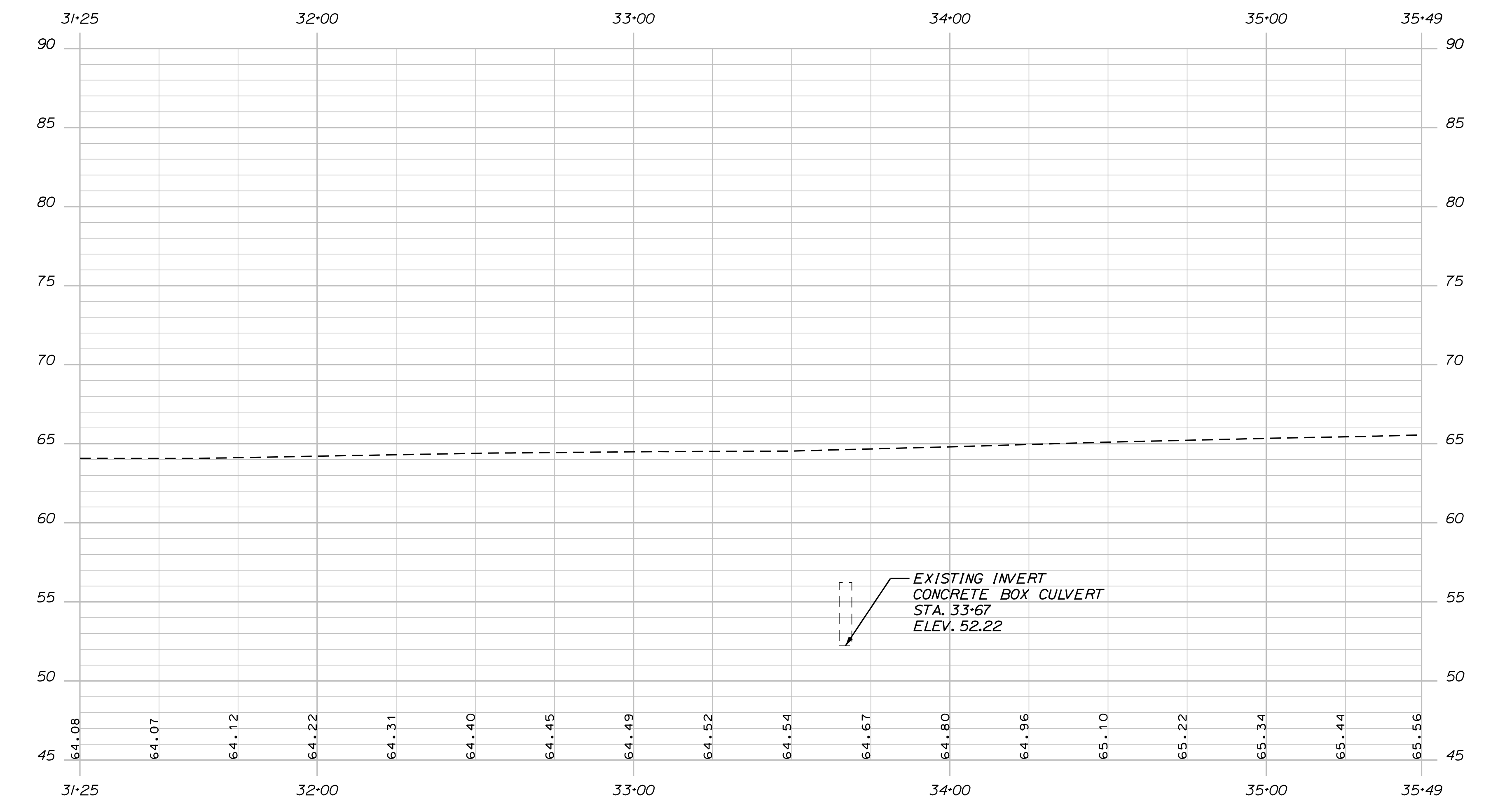
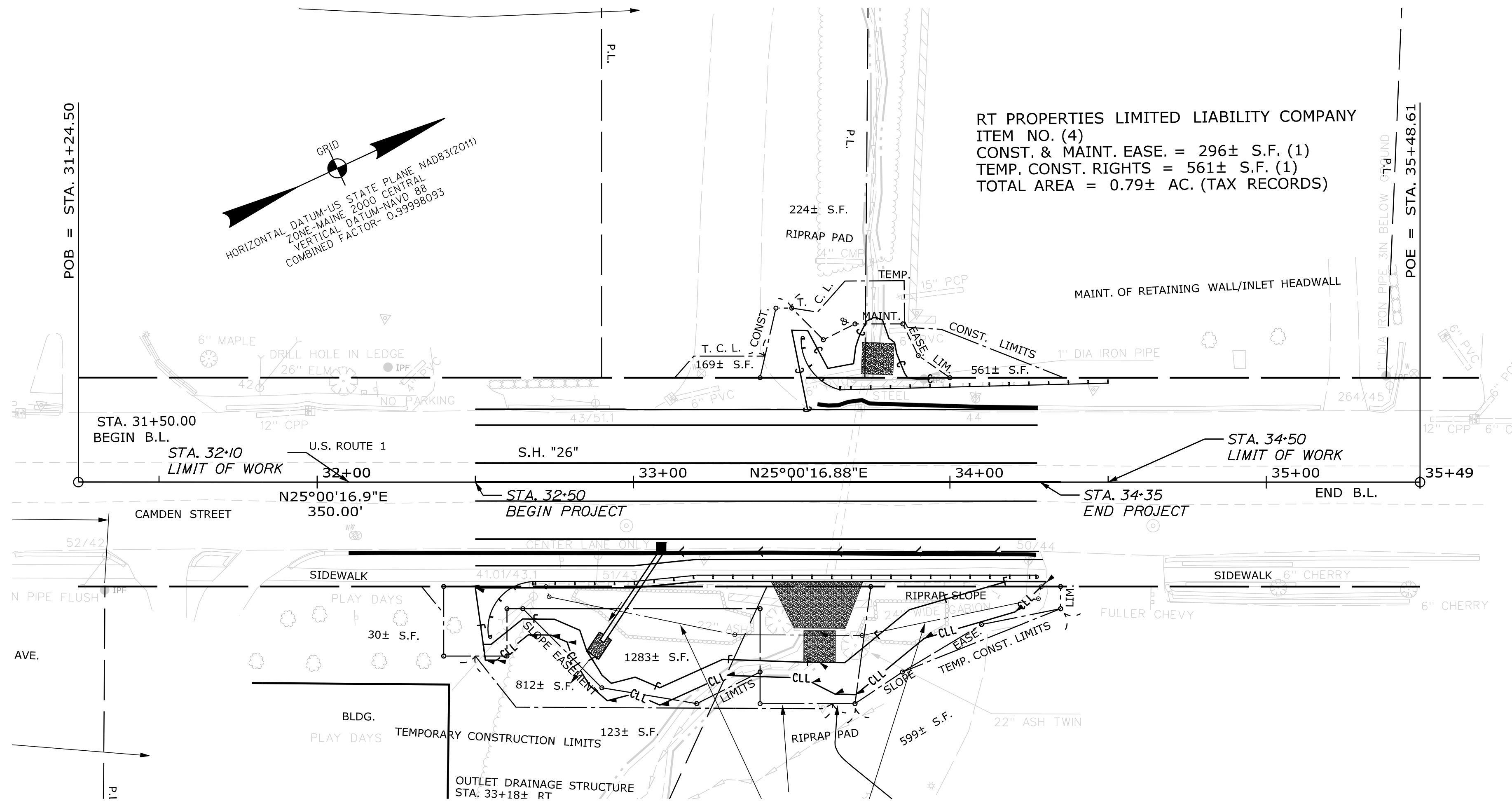
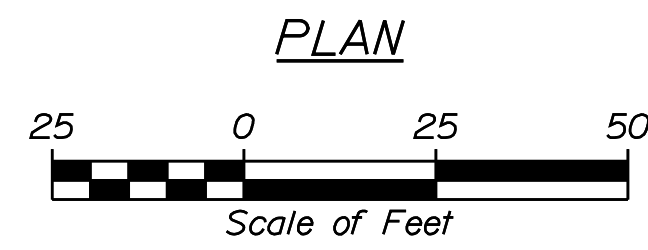


STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
NHP-1879(410)  
WIN 18794.10  
HIGHWAY PLANS

PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN-DETAILED	D. PRIDE		
CHECKED-REVIEWED	C. RUSSELL	T. WHITE	JUN 2017
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ROCKLAND  
U.S. ROUTE 1  
GENERAL NOTES/TYPICAL SECTION

SHEET NUMBER  
**2**  
OF 9



Filename: ... \MSTA\003\_Plan-Profile.dgn  
 Division: HIGHWAY  
 Username: Kyle.MacDonald  
 Date: 12/17/2020

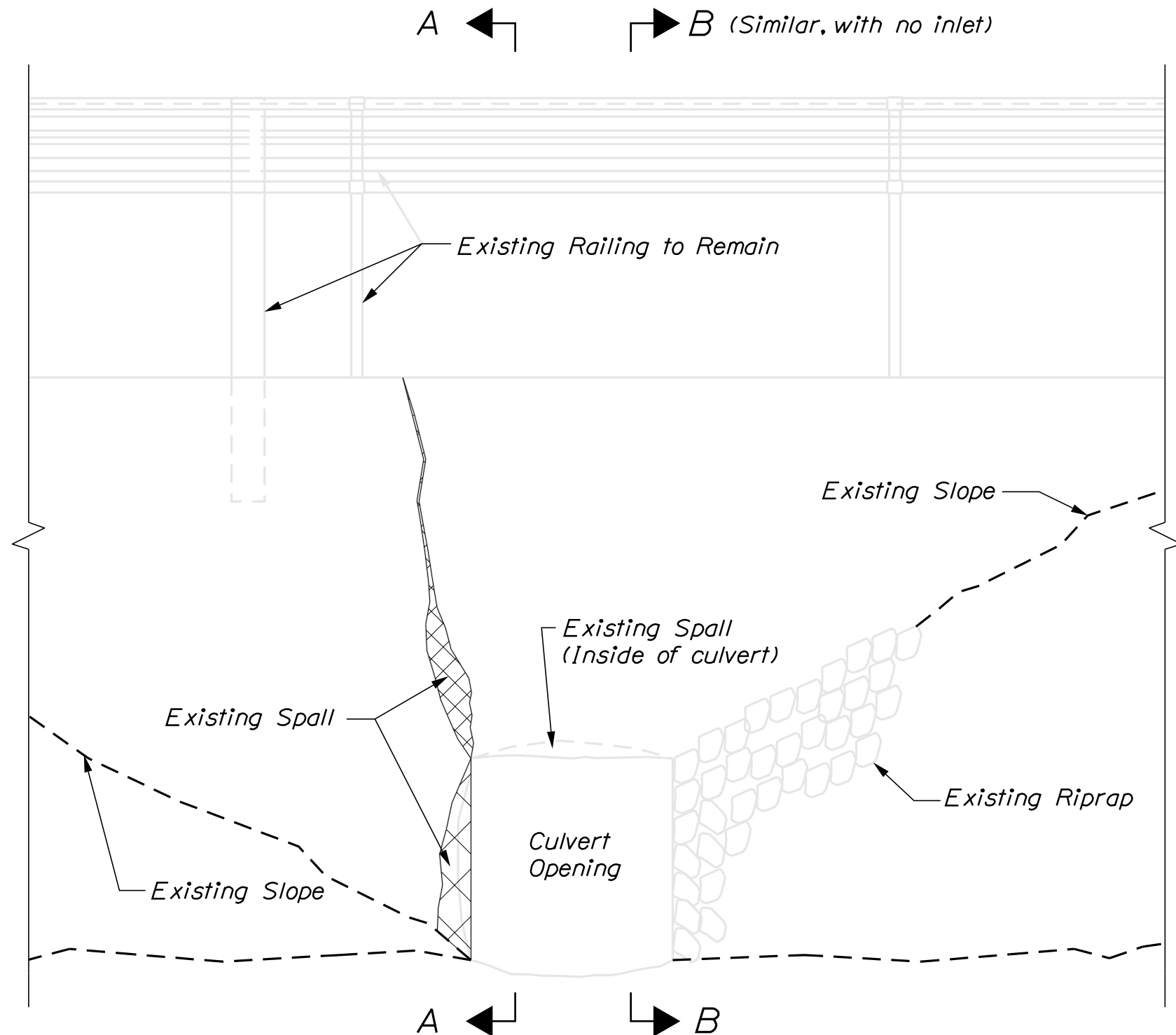
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-1879(410)		WIN 18794.10		HIGHWAY PLANS	
ROCKLAND U.S. ROUTE 1				PLANS			
SHEET NUMBER				3			
OF 9							
PROJ. MANAGER	D. COOMBS	BY	T. WHITE	DATE	JUN 2017	SIGNATURE	
DESIGN-DETAILED	D. PRIDE	CHECKED-REVIEWED	C. RUSSELL	DATE		P.E. NUMBER	
DESIGNS-DETAILED		DESIGNS-DETAILED		DATE		DATE	
REVISIONS 1		REVISIONS 1		DATE		DATE	
REVISIONS 2		REVISIONS 2		DATE		DATE	
REVISIONS 3		REVISIONS 3		DATE		DATE	
REVISIONS 4		REVISIONS 4		DATE		DATE	
FIELD CHANGES		FIELD CHANGES		DATE		DATE	

Date: 12/17/2020

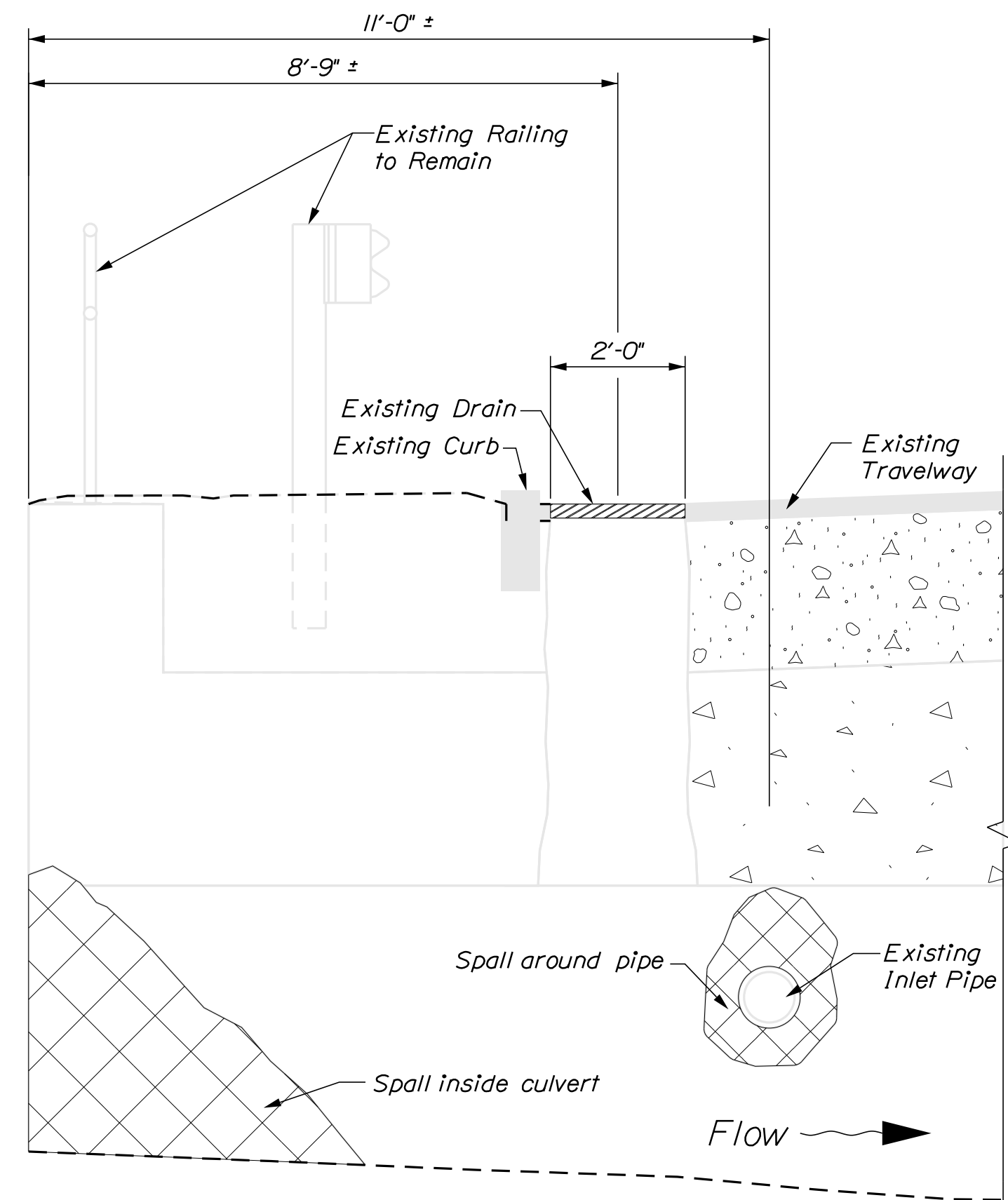
Username: Kyle.MacDonald

Division: HIGHWAY

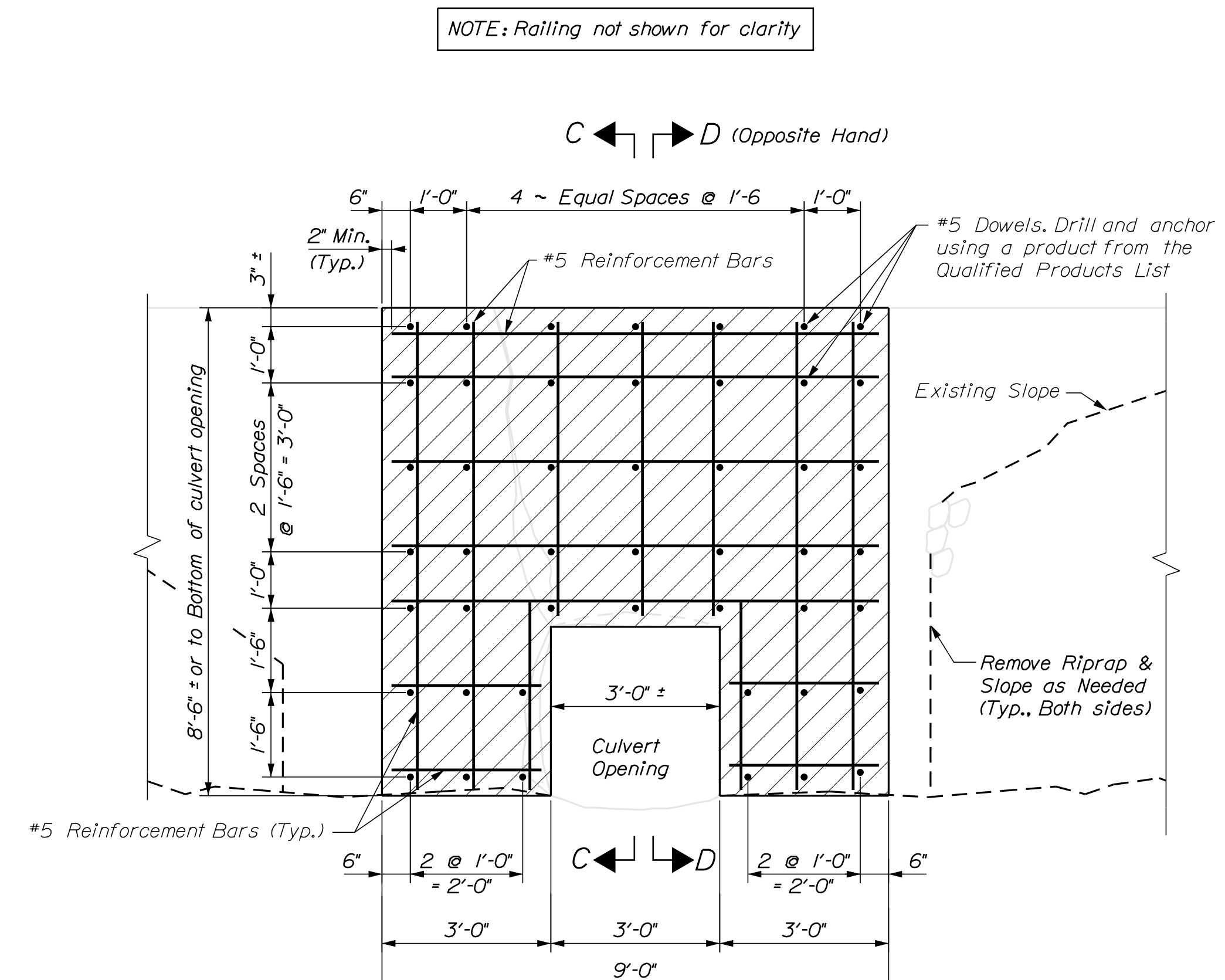
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EXISTING ELEVATION of HEADWALL (Upstream Face)

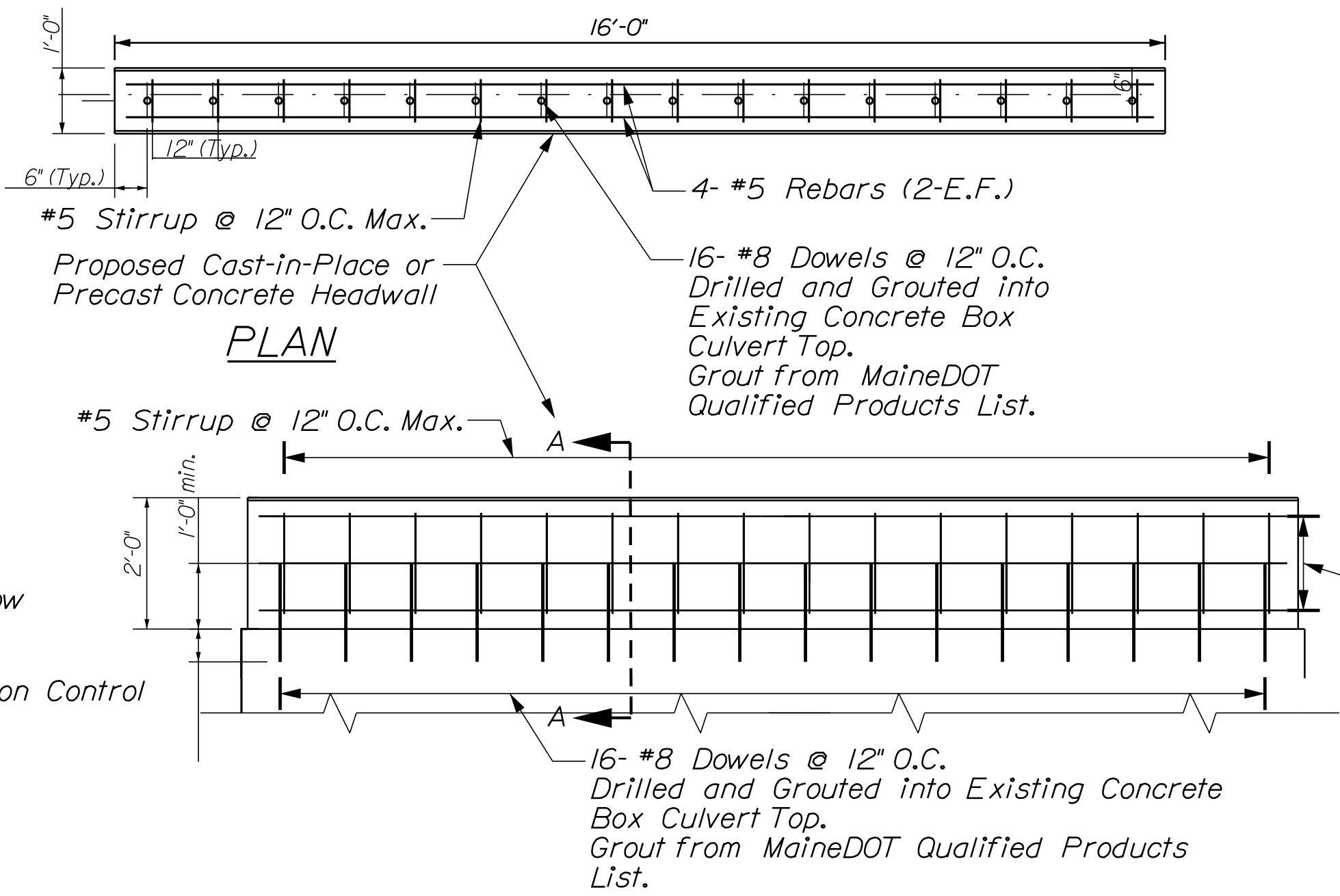


SECTION A - A (As Shown)  
SECTION B - B (Opposite hand)  
NOTE: No Inlet pipe on this side

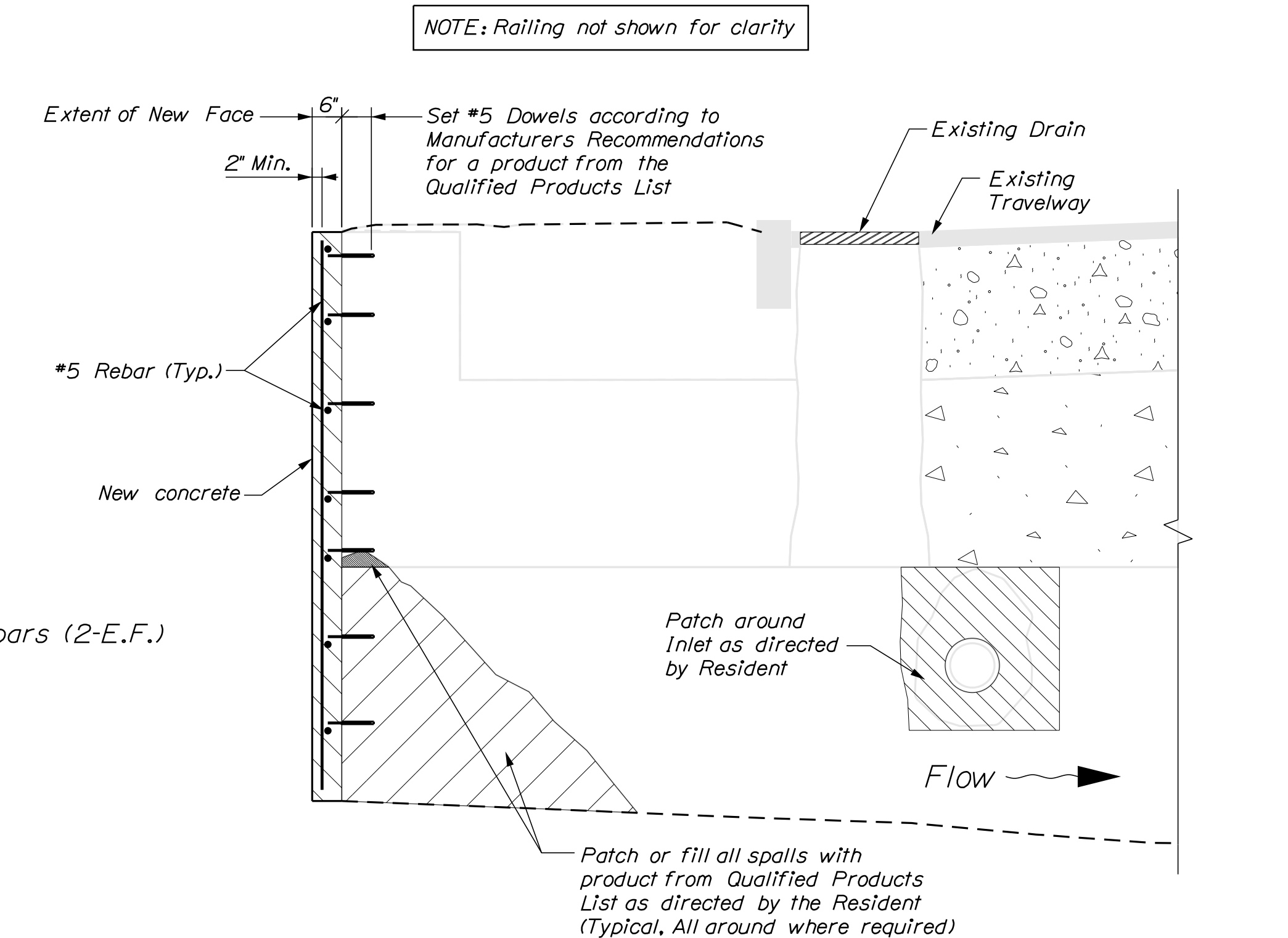


EXISTING ELEVATION of HEADWALL

- Notes:
- 2" min. Clearance of All Rebar to Outside Edge of Finished Concrete.
  - Chamfer Top Edges of Concrete Headwall.



SECTION A-A  
CAST-IN-PLACE or PRECAST CONCRETE HEADWALL (Downstream Face)



SECTION C - C (As Shown)  
SECTION D - D (Opposite hand)  
NOTE: No Inlet pipe on this side

PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN-DETAILED	D. PRIDE		
CHECKED-REVIEWED	C. RUSSELL	T. WHITE	JUN. 2017
DESIGN-DETAILED	G. LIBBY	J. VAILLEUX	SEPT. 2018
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

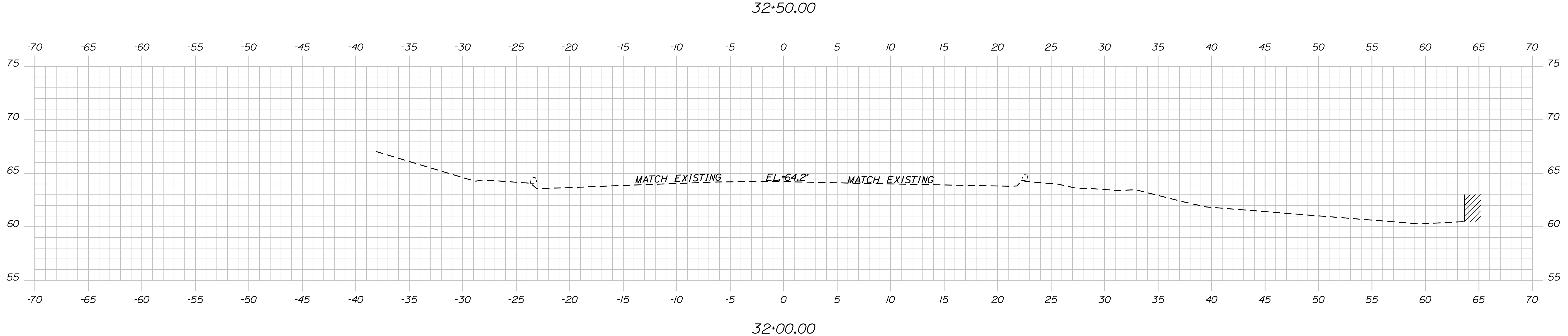
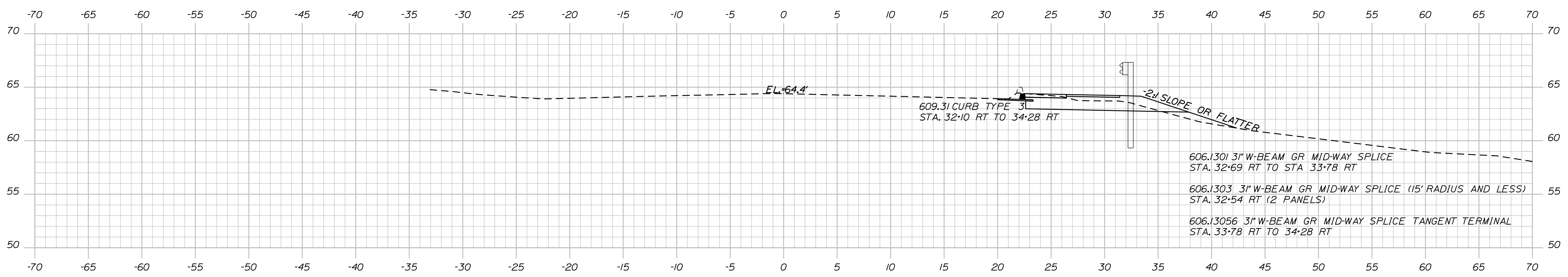
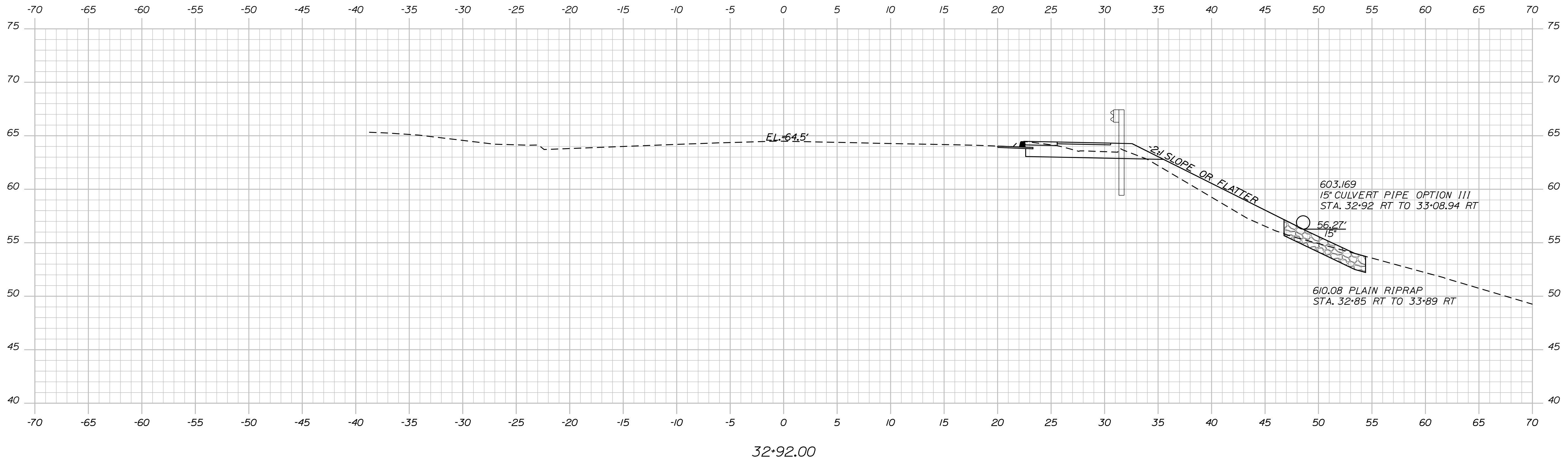
SIGNATURE	P.E. NUMBER	DATE

Date: 12/17/2020

Username: Kyle.MacDonald

Division: HIGHWAY

Filename: ... \00\HIGHWAY\MSTA005\_xsect.dgn



STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 NHPP-1879(410)  
 WIN  
 18794.10  
 HIGHWAY PLANS

PROJ. MANAGER	DATE
D. COOMBS	OCT 2018
CHECKED-REVIEWED	SIGNATURE
DESIGN-REVIEWED	P.E. NUMBER
DESIGN-REVIEWED	DATE
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

ROCKLAND  
 U.S. ROUTE 1  
 CROSS SECTIONS

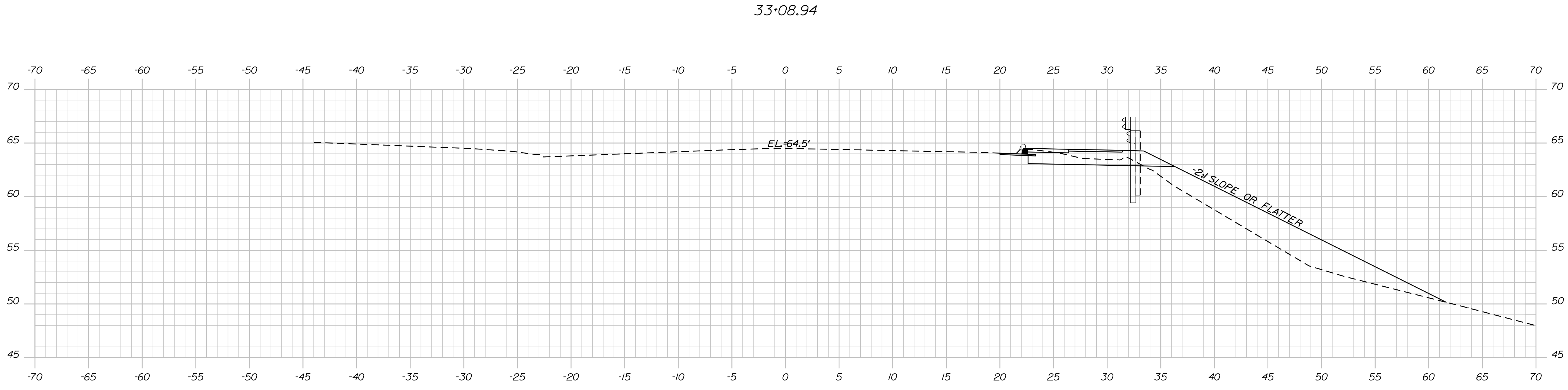
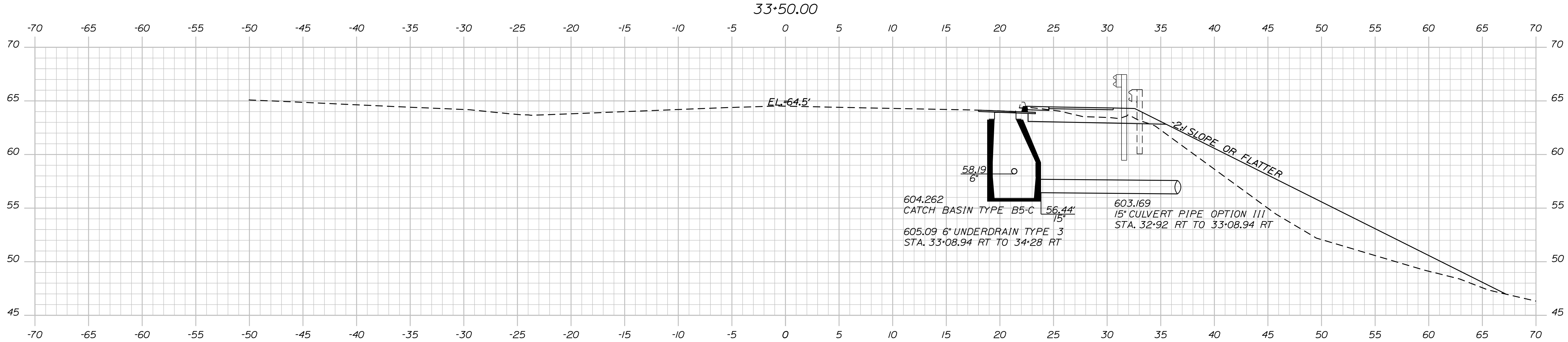
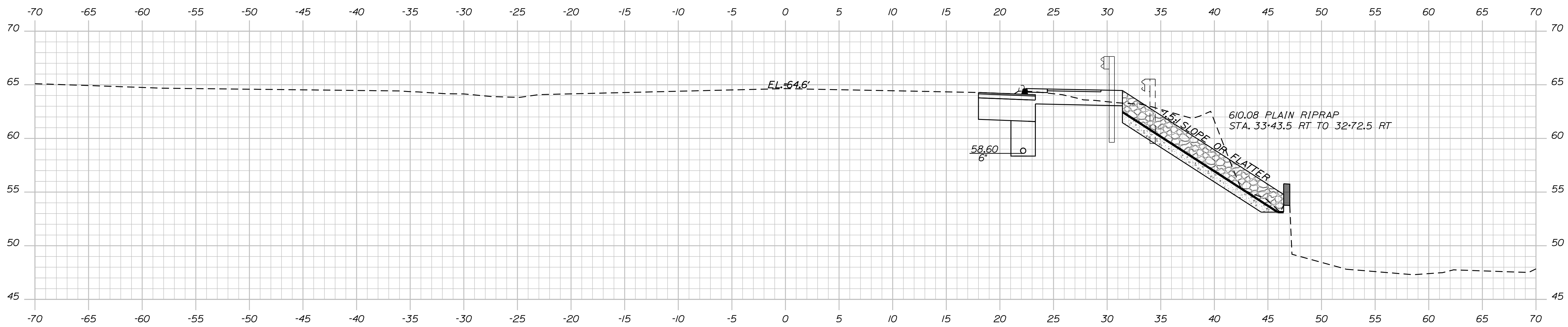
SHEET NUMBER  
**5**  
 OF 9

Date: 12/17/2020

Username: Kyle.MacDonald

Division: HIGHWAY

Filename: ... \00\HIGHWAY\MSTA005\_xsect.dgn



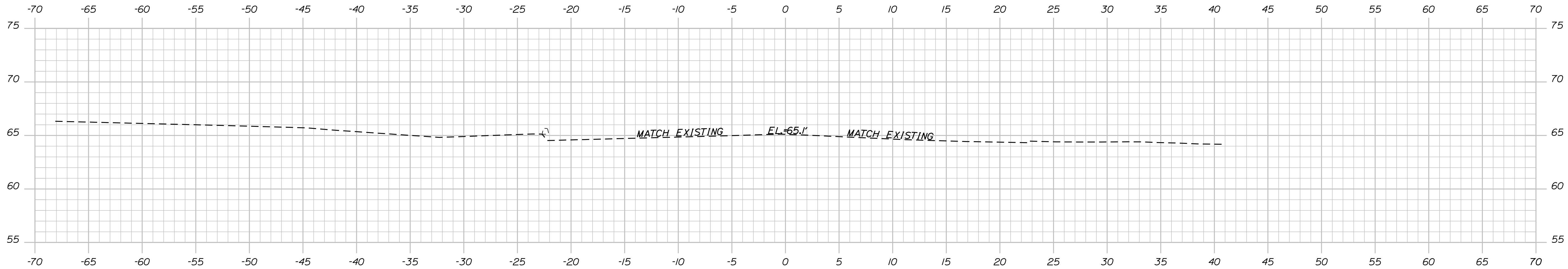
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
NHP-1879(410)  
WIN  
18794.10  
HIGHWAY PLANS

PROJ. MANAGER	D. COOMBS	BY	D. COOMBS	DATE	OCT 2018
CHECKED-REVIEWED	D. PRIDE	SIGNATURE			
DESIGNS DETAILED		P.E. NUMBER			
REVISIONS 1		DATE			
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

ROCKLAND  
U.S. ROUTE 1  
CROSS SECTIONS

SHEET NUMBER  
**6**  
OF 9





34+50.00

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
**NHPP-1879(410)**  
**WIN**  
**18794.10**  
 HIGHWAY PLANS

PROJ. MANAGER	BY	DATE
CHECKED-REVIEWED	D. COOMBS	OCT 2018
DESIGNS-DETAILED	D. PRIDE	
DESIGNS-DETAILED		
DESIGNS-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE	
P.E. NUMBER	
DATE	

ROCKLAND  
 U.S. ROUTE 1  
 CROSS SECTIONS

SHEET NUMBER  
**8**  
 OF 9

Date: 12/17/2020

Username: Kyle.MacDonald

Division: HIGHWAY

Filename: ... \00\ROW\MSTA009\_RWPLAN1.dgn

Town, County, State \_\_\_\_\_  
 Approx. Property Lines \_\_\_\_\_  
 Existing Right of Way \_\_\_\_\_  
 Limits of Wrought Portion \_\_\_\_\_  
 Control Of Access \_\_\_\_\_  
 New Right of Way \_\_\_\_\_  
 New Easement \_\_\_\_\_  
 New Temporary Rights \_\_\_\_\_  
 New R/W Within Existing R/W \_\_\_\_\_

New R/W Along Existing R/W \_\_\_\_\_  
 Building \_\_\_\_\_  
 Trees Conifer \_\_\_\_\_  
 Tree Line \_\_\_\_\_  
 Water Edge \_\_\_\_\_  
 Ledge \_\_\_\_\_  
 Fence \_\_\_\_\_  
 Sign \_\_\_\_\_

Clearing Limit Line \_\_\_\_\_  
 Deciduous \_\_\_\_\_  
 Bush Line \_\_\_\_\_  
 Rock/Boulder \_\_\_\_\_  
 Flag Pole \_\_\_\_\_  
 BARB WIRE \_\_\_\_\_  
 STOCKADE \_\_\_\_\_  
 WELL \_\_\_\_\_  
 Mailbox \_\_\_\_\_

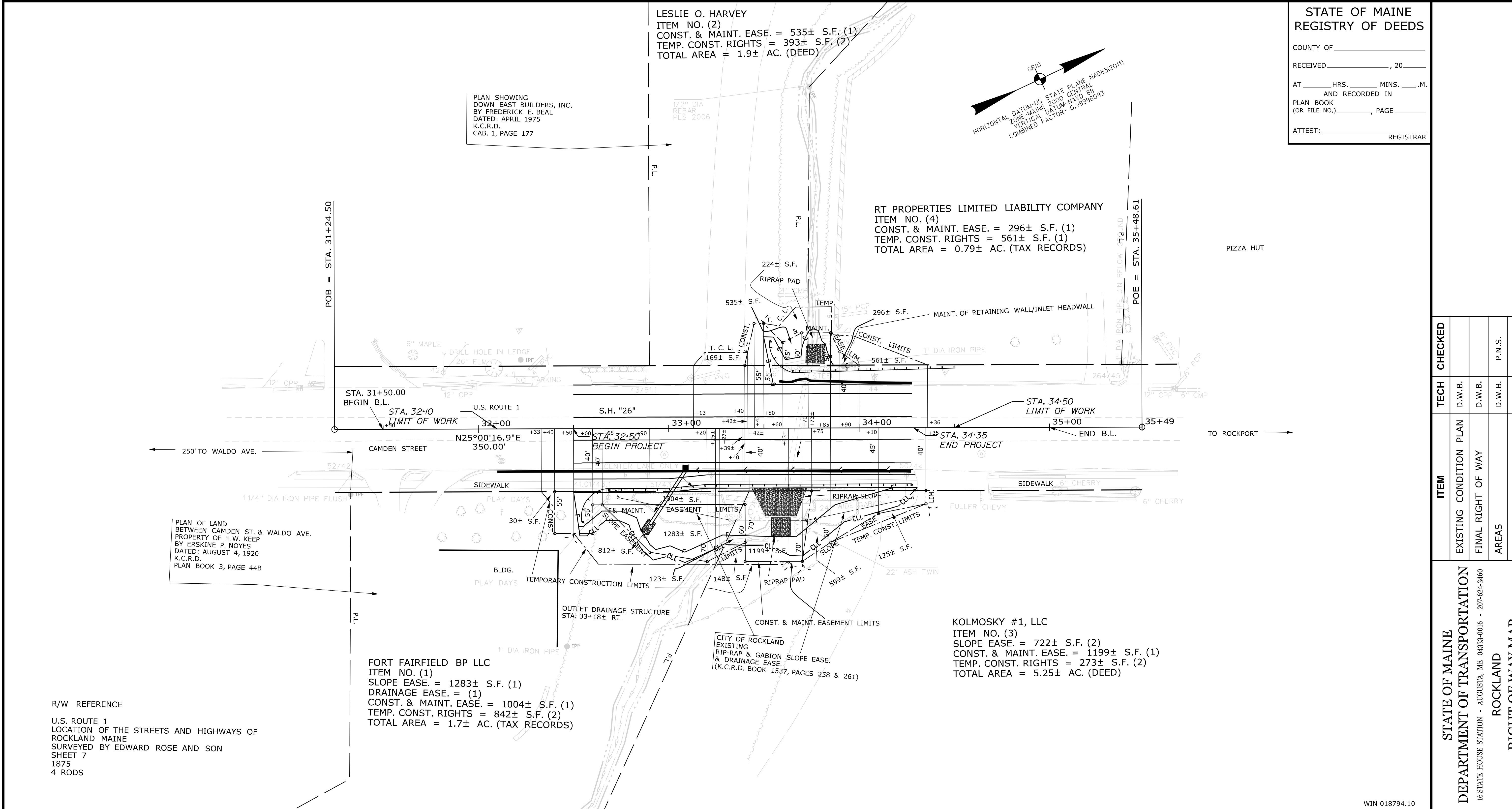
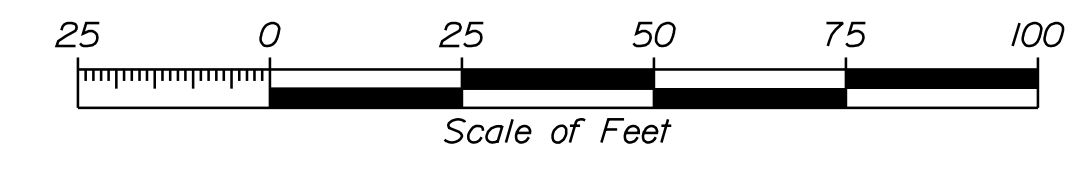
PLAN LEGEND  
 Existing Proposed  
 Sanitary Sewer \_\_\_\_\_  
 Telephone Line \_\_\_\_\_  
 Electric Line \_\_\_\_\_  
 Water Line \_\_\_\_\_  
 Underdrain Line \_\_\_\_\_  
 Gas Line \_\_\_\_\_  
 Guardrail \_\_\_\_\_  
 Culvert \_\_\_\_\_

Travelled Way \_\_\_\_\_  
 Ditch \_\_\_\_\_  
 Catch Basin \_\_\_\_\_  
 Manhole \_\_\_\_\_  
 Sewer Manhole \_\_\_\_\_  
 Utility Pole \_\_\_\_\_  
 Fire Hydrant \_\_\_\_\_  
 Curbing \_\_\_\_\_

Cut Line \_\_\_\_\_  
 Stonewall \_\_\_\_\_  
 Baseline \_\_\_\_\_  
 Monument \_\_\_\_\_  
 Iron Rod Found \_\_\_\_\_  
 Replacement Pin Set \_\_\_\_\_

STATE OF MAINE  
 REGISTRY OF DEEDS  
 COUNTY \_\_\_\_\_  
 RECEIVED \_\_\_\_\_, 20\_\_\_\_  
 at \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ M and recorded in  
 Plan Book \_\_\_\_\_, Page \_\_\_\_\_  
 Attest: \_\_\_\_\_ REGISTER

STATE OF MAINE  
 REGISTRY OF DEEDS  
 COUNTY OF \_\_\_\_\_  
 RECEIVED \_\_\_\_\_, 20\_\_\_\_  
 AT \_\_\_\_\_ HRS. \_\_\_\_\_ MINS. \_\_\_\_\_ M.  
 AND RECORDED IN  
 PLAN BOOK (OR FILE NO.) \_\_\_\_\_, PAGE \_\_\_\_\_  
 ATTEST: \_\_\_\_\_ REGISTRAR



REVISIONS		
NO.	DATE	DESCRIPTION

PLAN FILED IN PLAN BOOK		PAGE		COUNTY RECORD	
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	2/12/19	5388	231

DAVID BERNHARDT  
 COMMISSIONER  
 JOYCE NOEL TAYLOR  
 CHIEF ENGINEER  
 DATE \_\_\_\_\_

To the best of my knowledge and belief the Highway Right of Way Lines depicted hereon are based upon a survey conforming to the Standards of Practice promulgated by the Maine Board of Licensure for Professional Land Surveyors 02-360 CMR, Chapter 90; Exceptions: (1) No separate survey report, (2) Monumentation only as shown on plan. See sheet 2 of this plan set for coordinates. (3) Other boundary lines, including lines between abutters are approximate and for general reference purposes only.

STATE HIGHWAY "26"  
 U.S. ROUTE 1-CAMDEN STREET  
 ROCKLAND KNOX COUNTY  
 FEDERAL AID PROJECT NO. 1879410  
 AUGUST 2018  
 SCALE 1" = 25'  
 RIGHT-OF-WAY MAP  
 SHEET 1 OF 2  
 D.O.T. FILE NO. 7-167  
 SHEET NUMBER  
**9**  
 OF 9

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	D.W.B.	
FINAL RIGHT OF WAY	D.W.B.	
AREAS	D.W.B.	P.N.S.

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460  
 ROCKLAND  
 RIGHT OF WAY MAP

WIN 018794.10