

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



## HOWLAND PENOBSCOT COUNTY

ROUTE 116

**STATE PROJECT NO. 18826.00**

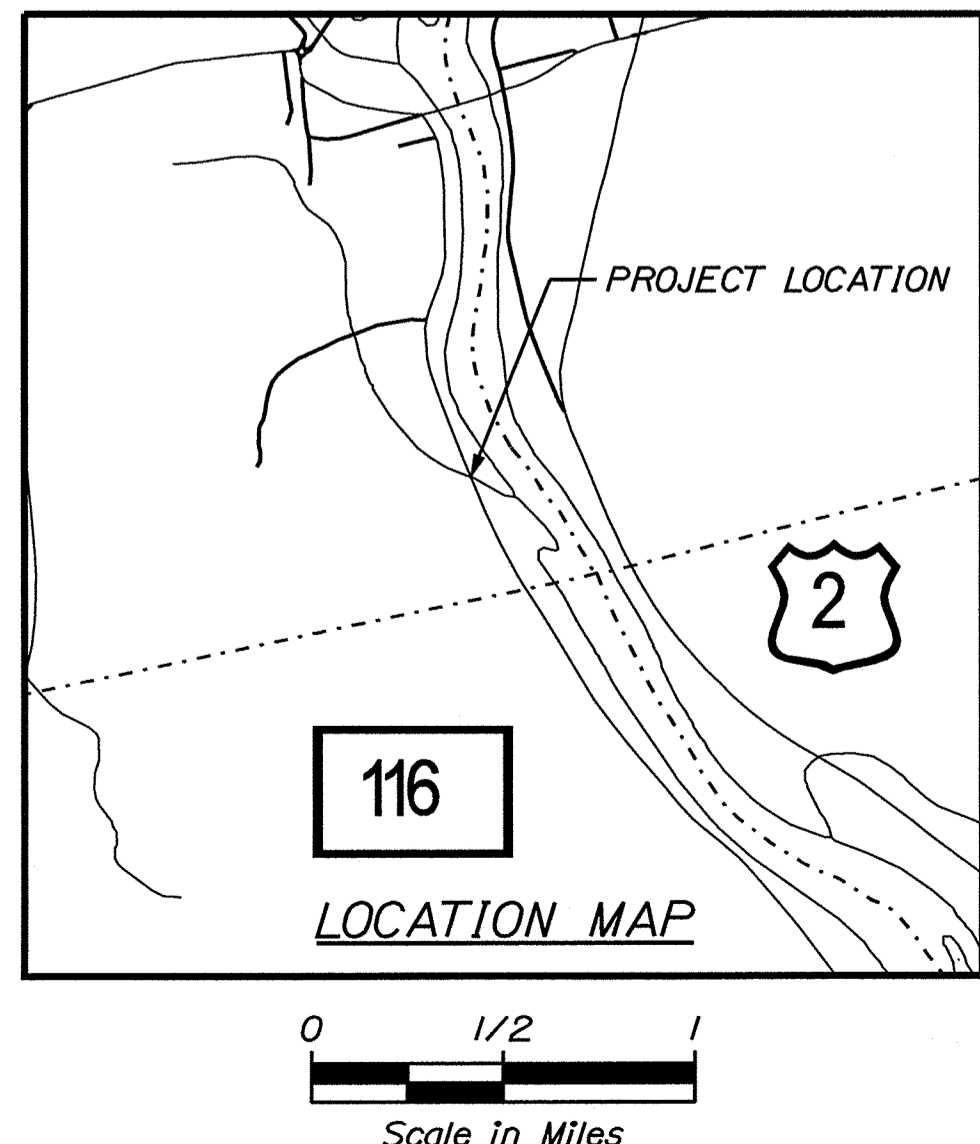
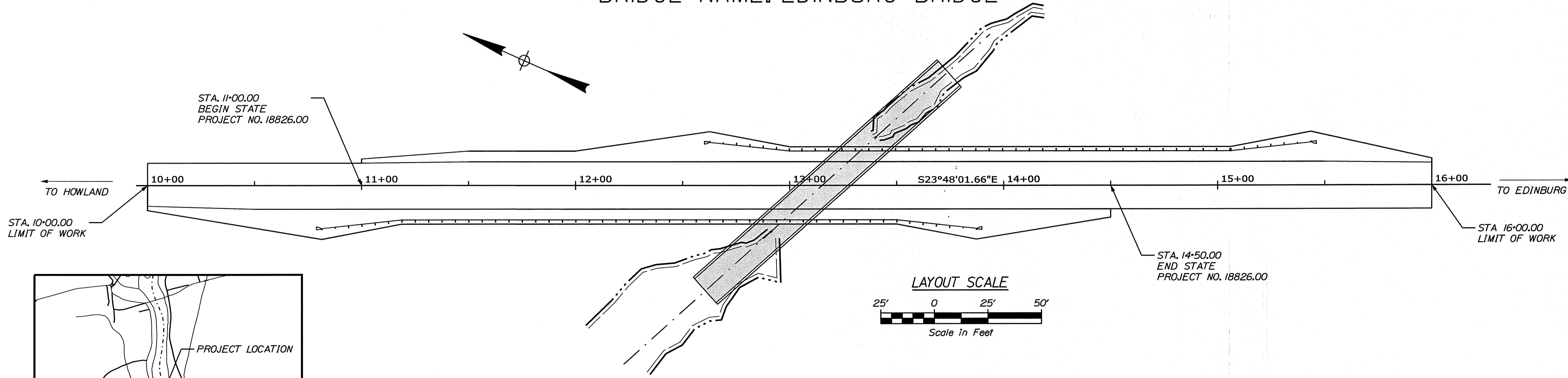
PROJECT LENGTH: 0.11 MILES

BRIDGE NUMBER: 6597

BRIDGE NAME: EDINBURG BRIDGE

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 $\oplus$
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	$\oplus$ HB-XXX-###
Pavement Core	$\bullet$ PC-#
Test Pit	$\blacksquare$ TP-XXX-###
Probe	$\oplus$ P-#. #X
	#.# = Depth
	X = W (Weathered Rock)
	R (Refusal)
	NR (No Refusal)

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TRAFFIC DATA	
Current (2020) AADT	400
Future (2032) AADT	450
DHV - % of AADT	12%
Design Hour Volume	58
% Heavy Trucks (AADT)	14%
% Heavy Trucks (DHV)	14%
Directional Distribution (DHV)	50%
18 kip Equivalent P 2.0	29
18 kip Equivalent P 2.5	27
Design Speed (mph)	45
Functional Class	Minor Collector
Corridor Priority	4

<b>PROJECT LOCATION:</b>	Located approximately 0.34 mile northerly of the Edinburg town line.
<b>PROGRAM AREA:</b>	Highway Program
<b>SCOPE OF WORK:</b>	Large Culvert Replacement

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	<i>[Signature]</i>	11/14/19
	COMMISSIONER	11-1-19
	CHIEF ENGINEER	<i>[Signature]</i>

STATE OF MAINE DEPARTMENT OF TRANSPORTATION ENGINEER	SIGNATURE	P.E. NUMBER	DATE
	<i>[Signature]</i>	10-415	10-28-19

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	E. MARTIN
DESIGNER	N. COLLINS
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

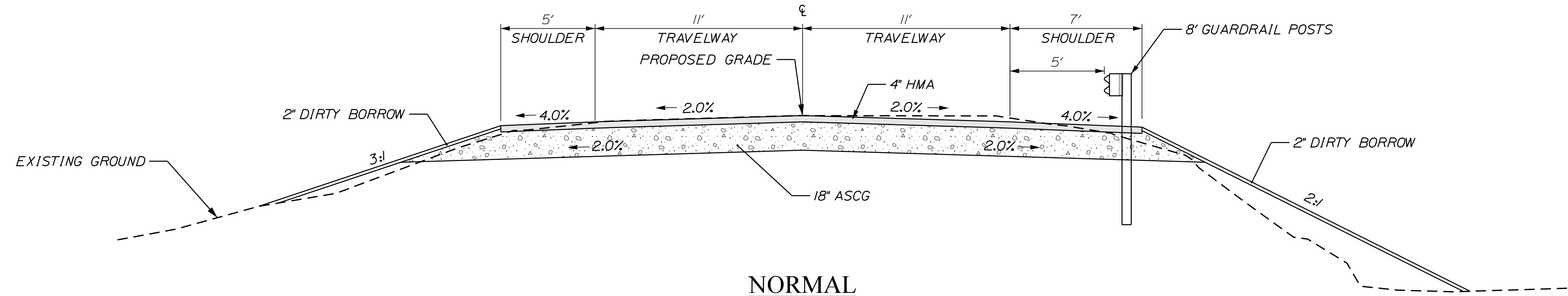
HOWLAND ROUTE 116	TITLE SHEET
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SHEET NUMBER	1
OF 16	

WIN 18826.00

Filename: ... \00\HIGHWAY\WSTA\001\_Title.dgn  
Division: HIGHWAY  
Username: natasha.m.collins  
Date: 10/24/2019

# TYPICAL SECTION



**NORMAL**

**RTE. 1 5' WIDE SHOULDER  
WITH 3:1 IN-SLOPE**

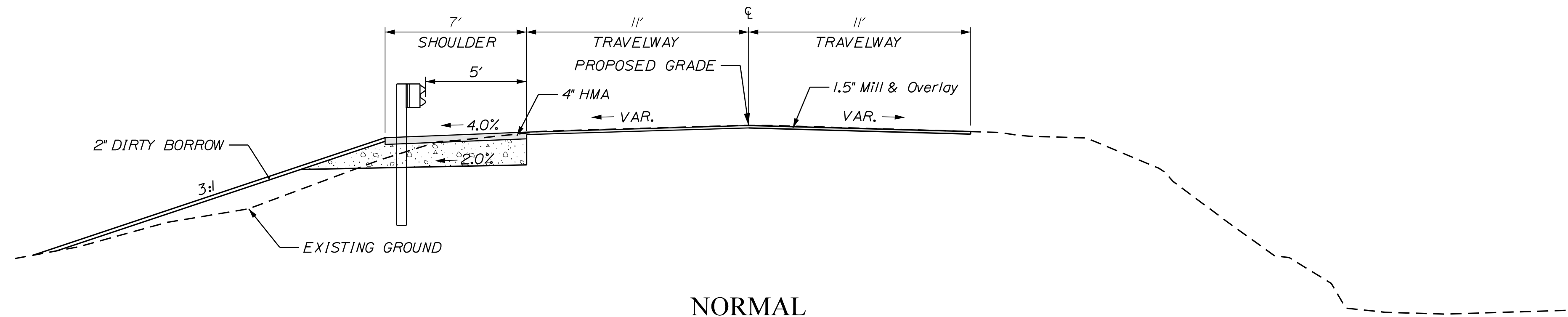
STA. TO STA.  
11-50.00 TO 12-00.00, LT

**RTE. 116 (2) 11' WIDE  
TRAVEL LANES**

STA. TO STA.  
12-50.00 TO 14-00.00, RT & LT

**RTE. 1 7' WIDE SHOULDER  
WITH GUARDRAIL**

STA. TO STA.  
11-18.75 TO 13-50.00, RT  
13-00.00 TO 15-06.25, LT



**NORMAL  
1.5" Mill & Overlay**

**NOTE:**

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
3. CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
4. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
5. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.

NOT TO SCALE

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18826.00  
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018826.00  
HIGHWAY PLANS

SIGNATURE  
P.E. NUMBER  
DATE

PROJ. MANAGER	BY	DATE
E. MARTIN		
CHECKED-REVIEWED	N. COLLINS	
DESIGN-DETAILED	T. WHITE	OCT. 2019
DESIGN-REVIEWED	C. RUSSELL	
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

HOWLAND  
ROUTE 116  
TYPICAL SECTION

SHEET NUMBER  
**2**  
OF 16

ESTIMATED QUANTITIES

Item No.	Description	Unit	Quantity
202.202	Removing Pavement Surface	SY	900.0
203.200	Common Excavation	CY	1,200.0
203.250	Granular Borrow	CY	500.0
203.330	Special Fill	CY	100.0
304.100	Aggregate Subbase Course, Gravel	CY	1,025.0
403.208	Hot Mix Asphalt, 12.5 mm HMA Surface	TON	200.0
403.213	Hot Mix Asphalt, 12.5 mm BASE	TON	200.0
409.150	Bitumniuous Tack Coat	GAL	50.0
508.130	Sheet Waterproofing Membrane (200 SY)	LS	1.0
511.070	Cofferdam- Upstream	LS	1.0
511.070	Cofferdam- Downstream	LS	1.0
515.200	Protective Coating for Concrete Surfaces	SY	200.0
534.710	Precast Concrete Box Culvert (280 CY)	LS	1.0
606.1301	31" W Beam GR, Mid-way Splice, Single Faced	LF	437.5
606.1305	31" W Beam GR, Mid-way Splice, Flared Terminal	EA	4.0
606.353	Reflectorized Flexible Guardrail Marker	EA	8.0
610.080	Plain Riprap	CY	125.0
610.203	Feature Rocks	EA	20.0
610.210	Stream Channel Rock	CY	150.0
615.100	Dirty Borrow	CY	100.0
618.140	Seeding Method #2	Unit	15.0
619.120	Mulch	Unit	15.0
627.733	4" White or Yellow Painted Pavement Line	LF	1,800.0
627.780	Temp Pvmt Marking Line, White or Yellow	LF	600.0
629.050	Hand Labor, Straight Time	HR	10.0
631.120	All Purpose Excavator (Includes Operator)	HR	10.0
631.172	Truck- Large (includes Operator)	HR	20.0
643.720	Temporary Traffic Signal	LS	1.0
652.312	Type III Barricades	EA	8.0
652.330	Drum	EA	5.0
652.340	Cone	EA	15.0
652.350	Construction Signs	SF	150.0
652.360	Maint of Traffic Control Devices	CD	60.0
652.380	Flaggers	HR	120.0
652.610	Staged Construction and Traffic Control	LS	1.0
656.750	Temporary Soil Erosion and Water Pollution Control	LS	1.0
659.100	Mobilization	LS	1.0

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HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	N. COLLINS		
CHECKED-REVIEWED	C. RUSSELL	T. WHITE	OCT 2019
DESIGN-DETAILED2			
DESIGN-DETAILED3			
REVISIONS 1			
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HOWLAND  
ROUTE 116  
ESTIMATED QUANTITIES

SHEET NUMBER

3

OF 16

GENERAL NOTES

1. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPERATE 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. 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. PRIOR TO REMOVING ANY PAVEMENT OR PLACING AND SHIM PAVEMENT, THE ROADWAY WILL BE INSPECTED FOR POSSIBLE SUBSURFACE BOULDERS, WHICH WILL BE REMOVED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT RENTAL ITEMS. BACKFILL WILL BE PLACED TO SUBGRADE WITH MATERIAL CONSISTENT WITH THE SURROUNDING MATERIAL. AGGREGATE SUBBASE COURSE- GRAVEL WILL BE PLACED FROM SUBGRADE TO FINISH GRADE AND WILL BE PAID UNDER THE APPROPRIATE ITEM.

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 THEIR WORK ACCORDINGLY SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT

6. 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.

7. GRANULAR BORROW USED TO BACKFILL MUCH EXCAVATION OR IN LOW WET AREAS TO 1 FOOT ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS OF GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STAND SPECIFICATION 703.19

8. EXISTING INSLOPES IN PROPOSED FILL AREAS SHALL BE BENCHED BY EXCAVATING STEPS SUFFICIENT WIDTH TO PERMIT PLACING AND COMPACTING THE FILL MATERIAL ALONG WITH THE MATERIAL REMOVED.

9. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS. THE INCLUDED KILLING AND REMOVING OF ALL VEGETATIVE MATTER

10. GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL

11. ALL EXISTING GUARDRAIL SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS

12. TWO REFLECTORIZED FLEXIBLE GUARDRAIL MARKERS (ITEM 606.353) WILL BE INSTALLED AT EACH GUARDRAIL END

13. DIRTY BORROW HAS BEEN ESTIMATED FOR ALL DISTURBED SLOPE AREAS OTHER THAN LAWN AREAS. ACTUAL PLACEMENT OF THE DIRTY BORROW SHALL BE AS NOTED ON THE PLANS OR DESIGNATED 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. DIRTY BORROW SHALL BE PLACED TO A NOMINAL DEPTH OF 2 INCHES UNLESS OTHERWISE NOTED OR DIRECTED

16. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS SIGNS (OBDS) TO ENSURE THAT THEY ARE VISABLE TO THE TRAVELING PUBLIC. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT

17. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTORS EQUIPMENT, PERSONEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE THE CONTRACTORS EXPENCE

18. THE PROJECT GEOTECHNICAL REPORT TITLED GEOTECHNICAL DESIGN REPORT, FOR THE CONSTRUCTION OF EDINBURG BRIDGE, SOILS REPORT 2019-42, OCTOBER 29, 2019 CAN BE ACCESSED AT THE MAINEDOT WEBSITE <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 CONCLUSION 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. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS

21. NO SEPERATE PAYMENT FOR SUPERINTENDANT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS

22. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS

23. THE CONTRACTOR WILL PLACE APPROPATELY MARKED STAKES AT THE FOLLOWING LOCATIONS ON THE PROJECT; STRIPING PATTERN CHANGES, CROSS-SLOPE CHANGES, AND EVERY 500 FEET FOR STATIONING. THE CONTRACTOR WILL PAINT EVERY FULL STATION (100 FEET) ON THE EXISTING ROADWAY AND WILL TRANSFER THE PAINTED STATIONING THROUGH ALL INTERMEDIATE LIFTS (NOT SURFACE). APPROPRIATLY SIZED STRIPING PATTERN CHANGES WILL BE PAINTED ON SURFACE. STATIONING CONTROL MUST BE PLACED BEFORE WORK CAN COMMENCE. CROSS-SLOPE AND STRIPING CHANGE CONTROLS MUST BE PLACE BEFORE PAVING CAN COMMENCE.

CONSTRUCTION NOTES

Item No. 606.1301 31" W-Beam Guardrail, Mid-Way Splice Single Faced

Start Station	End Station	Offset	Legth (ft)	# of Beams
11+18.75	13+50.00	Rt	231.25	18.5
13+00.00	15+06.25	Lt	206.25	16.5

Note: 6' Guardrail Posts are to be used over the Precast Concrete Box Culvert

Item No. 606.1305 31" W-Beam Guardrail, Mid-Way Splice Flared Terminal

Station	Offset
11+18.75	Rt
13+00.00	Lt
13+50.00	Rt
15+06.25	Lt

Item No. 606.3530 ReflectORIZED Flexible Guardrail Marker

Station	Offset	Quantity
11+18.75	Rt	2
13+00.00	Lt	2
13+50.00	Rt	2
15+06.25	Lt	2

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18826.00  
WIN  
018826.00  
HIGHWAY PLANS

PROJ. MANAGER  
E. MARTIN  
DESIGN-DETAILED  
N. COLLINS  
CHECKED-REVIEWED  
C. RUSSELL  
DESIGN-DETAILED  
T. WHITE  
REVISIONS 1  
REVISIONS 2  
REVISIONS 3  
REVISIONS 4  
FIELD CHANGES

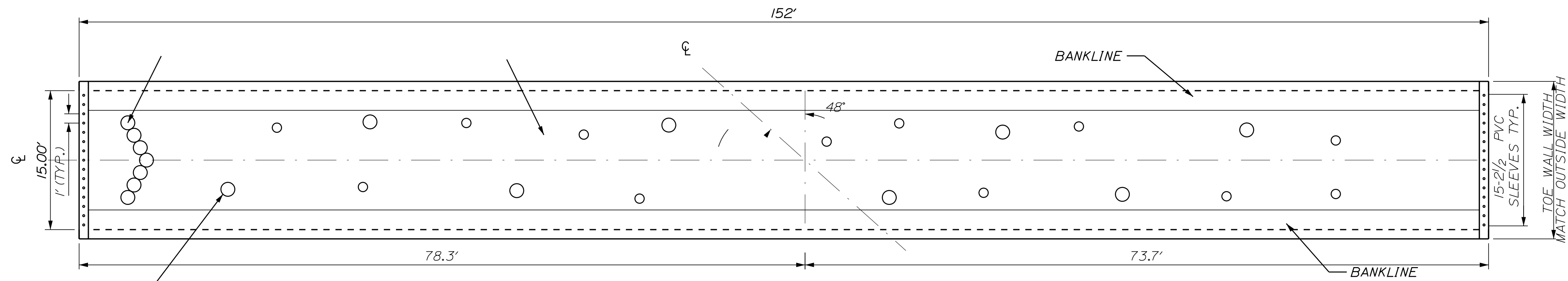
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OCT 2019

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P.E. NUMBER  
DATE

HOWLAND  
ROUTE 116  
GENERAL NOTES  
CONSTRUCTION NOTES

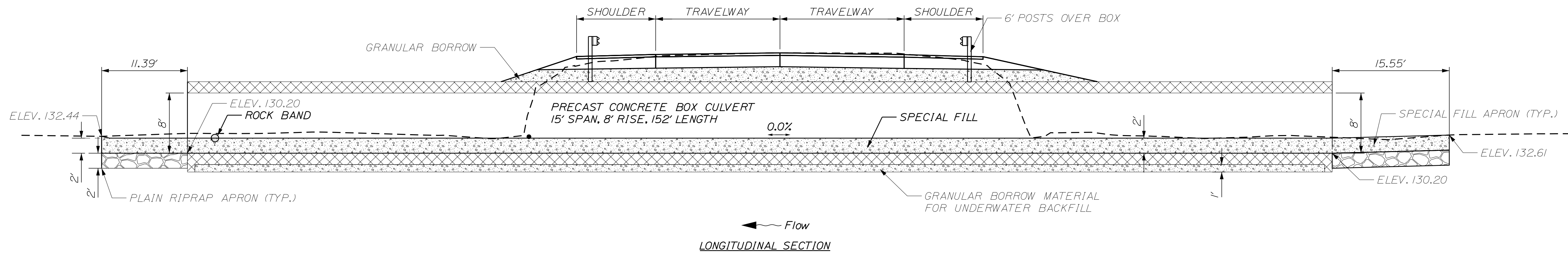
SHEET NUMBER  
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OF 16

PRECAST CONCRETE BOX CULVERT DETAILS

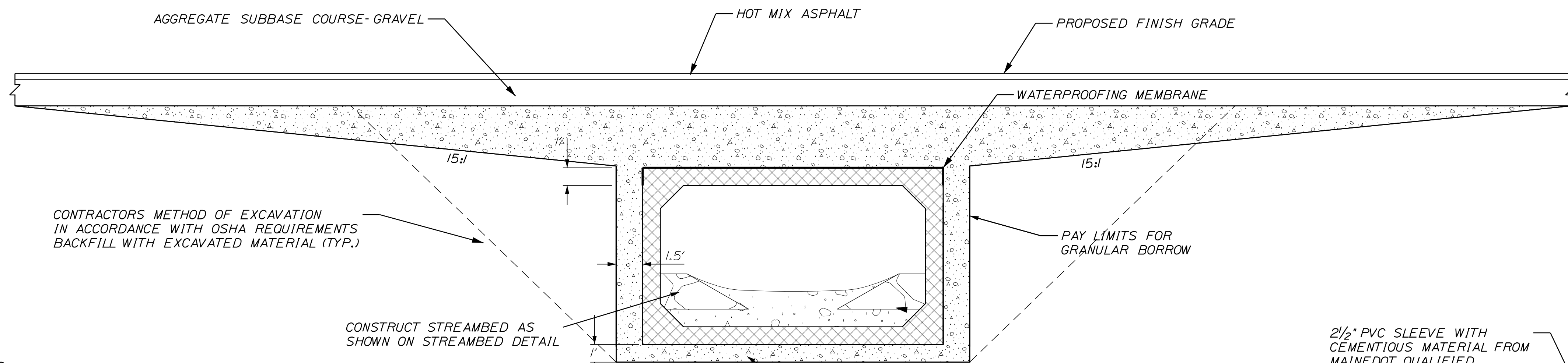


ITEM NO. 610.203 FEATURE ROCKS  
20 12"-18" INDIVIDUAL ROCKS  
RANDOMLY LOCATED, AT LEAST  
1' FROM BANKS, EMBEDDED,  
IN CONFORMANCE TO 610 SP.

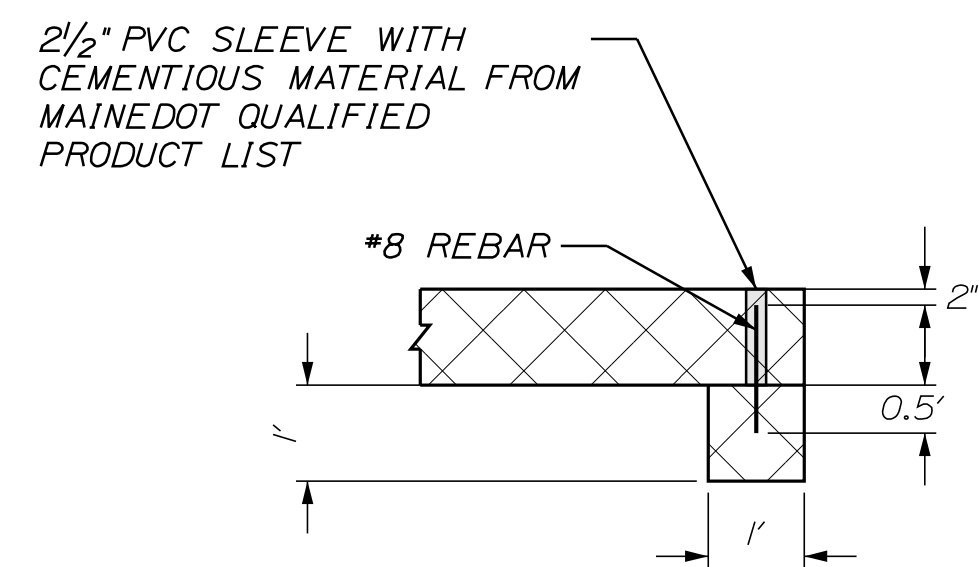
PRECAST CONCRETE BOX CULVERT PLAN VIEW



LONGITUDINAL SECTION



TYPICAL PRECAST CONCRETE BOX CULVERT DETAIL



PRECAST CONCRETE TOE WALL DETAIL

PRECAST CONCRETE BOX CULVERT NOTES

1. INSTALL STANDARD MEMBRANE WATERPROOFING OVER THE TOP AND TO AT LEAST 12 INCHES DOWN THE EXTERIOR SIDES OF PRECAST UNITS.
2. CONSTRUCTION, HANDLING, AND ASSEMBLY OF THE PRECAST UNITS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AS APPLICABLE.
3. THE CONTRACTOR MAY USE A "CLAMSHELL" TYPE STRUCTURE. JOINING OF THE TOP AND BOTTOM SECTIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
4. ANY DAMAGE TO THE STRUCTURE CAUSED BY THE CONTRACTOR'S WORK, EQUIPMENT, OR PERSONNEL SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT AT THE CONTRACTOR'S EXPENSE.
5. COFFERDAMS ARE TO BE PLACED AT BOTH THE DOWSTREAM AND UPSTREAM ENDS OF THE PRECAST CONCRETE BOX CULVERT TO ALLOW FOR THE CONSTRUCTION OF THE PRECAST CONCRETE BOX CULVERT IN THE DRY.

6. THE FURNISHING AND PLACING OF BACKFILL MATERIAL BETWEEN THE GRANULAR BORROW PAY LIMIT AND THE NORMAL SUBGRADE LINE WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCIDENTAL TO THE WORK. BACKFILL MATERIAL SHALL BE FROM SUITABLE EXCAVATION WITHIN PROJECT LIMITS, IF AVAILABLE, AND SHALL BE GRANULAR MATERIAL AS DIRECTED BY THE RESIDENT.
7. VOIDS IN THE RIPRAP APRON SHALL BE FILLED WITH SPECIAL FILL, WATERED IN AND TAMPED.
8. BANKLINE AND ROCK BAND MATERIAL SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION 610.

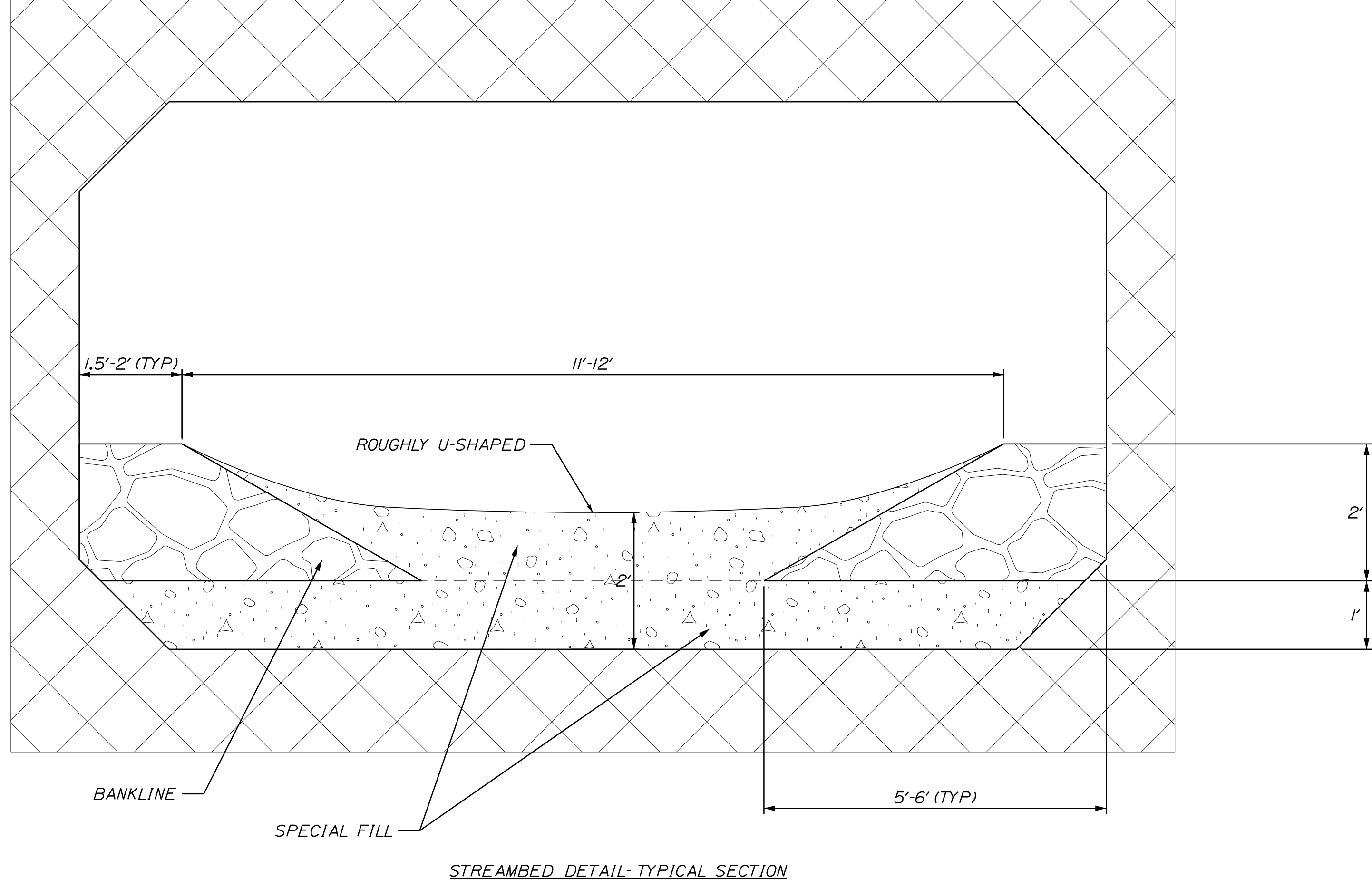
9. THE CULVERT SHALL BE LINED WITH SPECIAL FILL IN ACCORDANCE WITH SPECIAL PROVISION 203.
10. THE PRECAST UNITS SHALL BE DESIGNED TO CARRY CONSTRUCTION LOADINGS WITH A MINIMUM FILL COVER OF 18 INCHES OVER THE TOP OF THE UNITS.
11. PAYMENT FOR CONCRETE TOE-WALLS WILL NOT BE MADE DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO ITEM NO. 534.71 PRECAST CONCRETE BOX CULVERT
12. 6' GUARDRAIL POSTS SHALL BE USED OVER BOX CULVERT

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E. MARTIN	N. COLLINS	OCT 2019			
CHECKED/REVIEWED	T. WHITE				
DESIGN DETAIL	C. RUSSELL				
DESIGN DETAIL					
REVISIONS 1					
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REVISIONS 3					
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FIELD CHANGES					

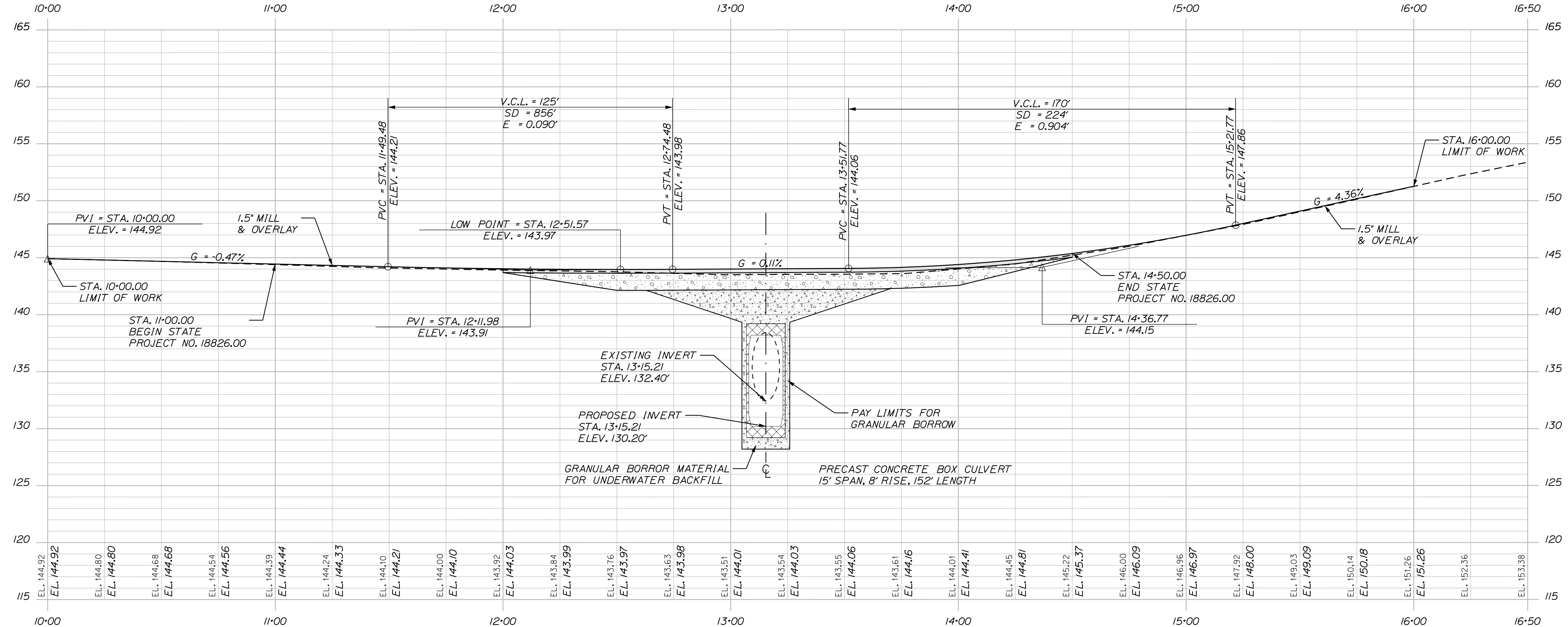
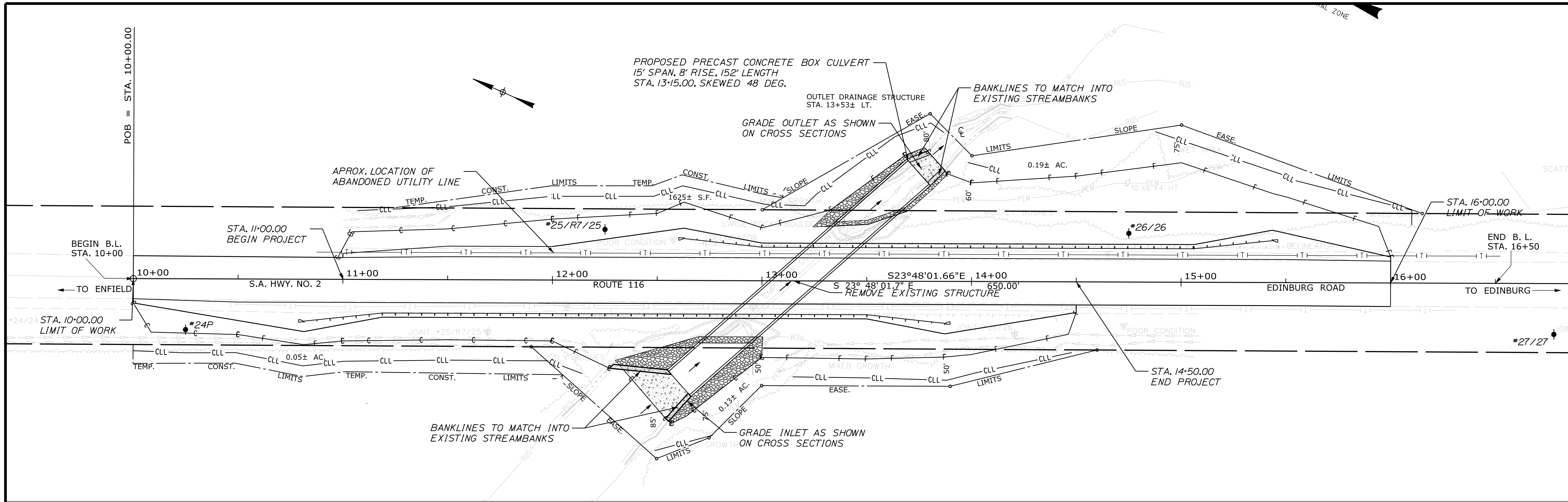
HOWLAND  
ROUTE 116  
PRECAST CONCRETE BOX  
CULVERT DETAILS

SHEET NUMBER  
5  
OF 16



PROJ. MANAGER	E. MARTIN	BY	DATE
CHECKED-REVIEWED	N. COLLINS		
DESIGNS DETAILED	C. RUSSELL	T. WHITE	OCT. 2019
REVISIONS 1			
REVISIONS 2			
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DESIGN	CHECKED	DATE	SIGNATURE
DESIGN DETAILED	N. COLLINS		
DESIGN REVIEWED	C. RUSSELL	OCT 2019	
DESIGN DETAILED	T. WHITE		

REVISION	DATE	P.E. NUMBER	DATE
REVISIONS 1			
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REVISIONS 4			

HOWLAND  
ROUTE 116  
PLAN/PROFILE

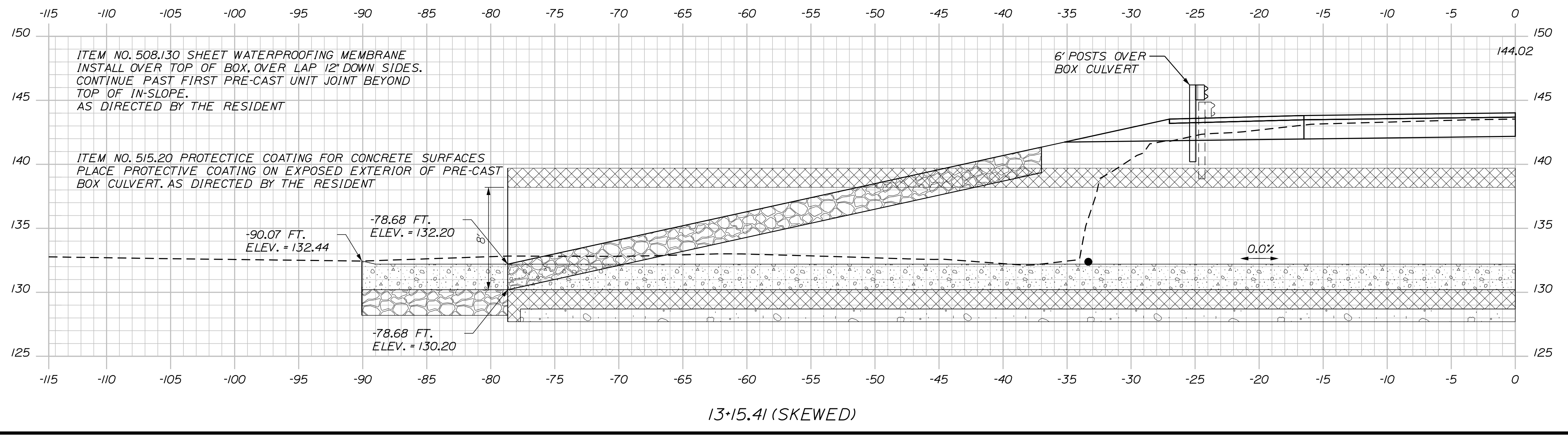
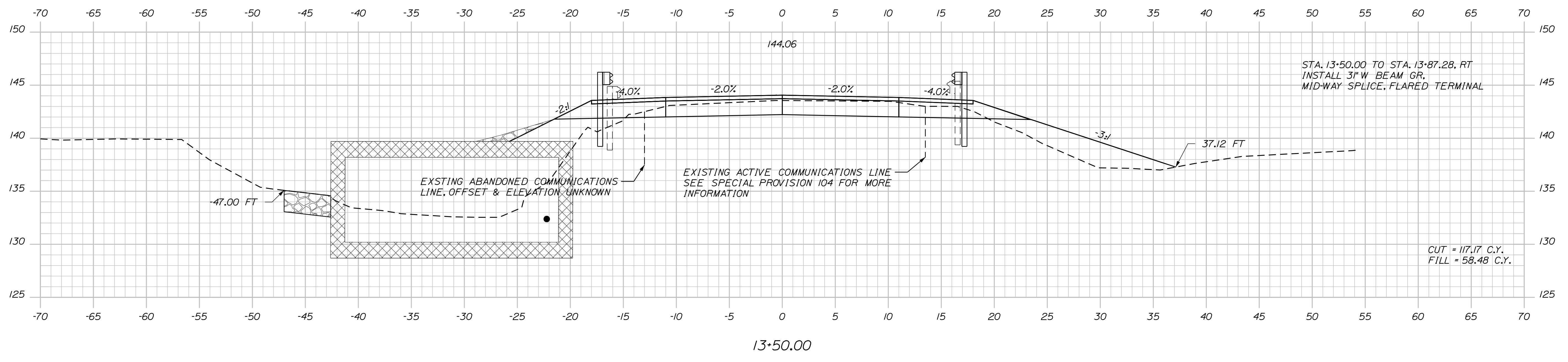
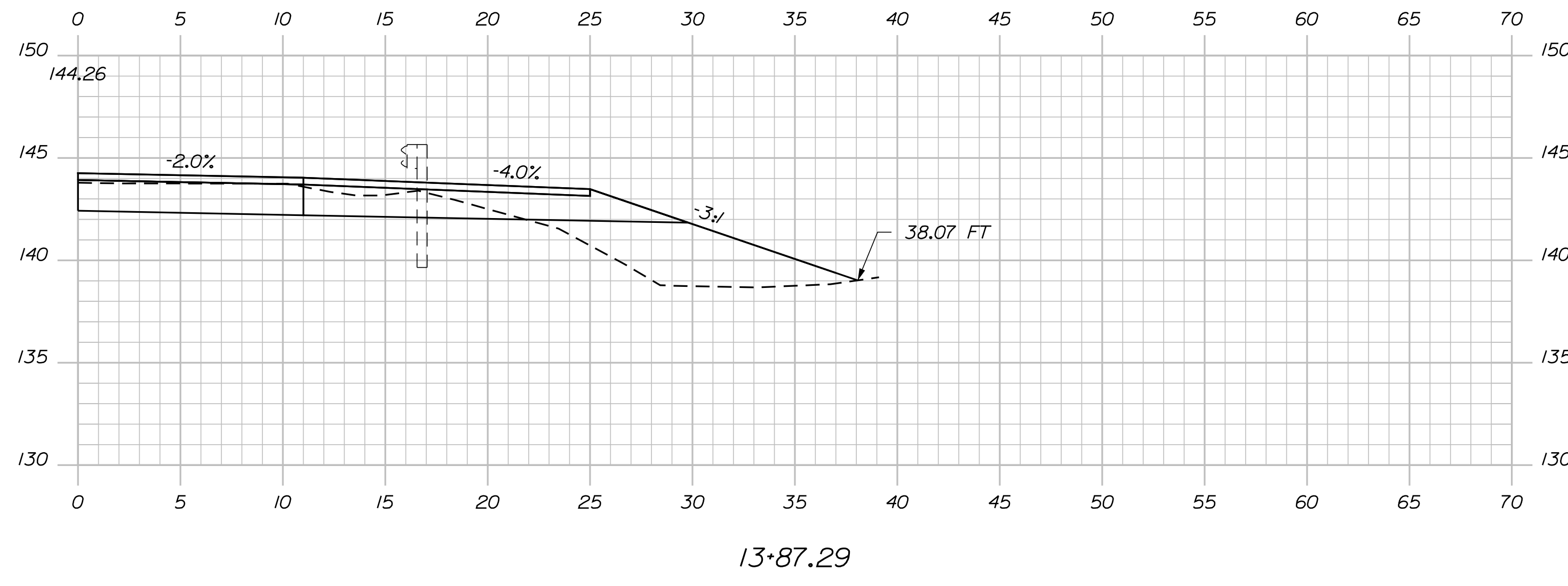
SHEET NUMBER  
8  
OF 16







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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		18826.00
WIN		WIN 018826.00
HIGHWAY PLANS		

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

DATE	BY	SIGNATURE

P.E. NUMBER	DATE

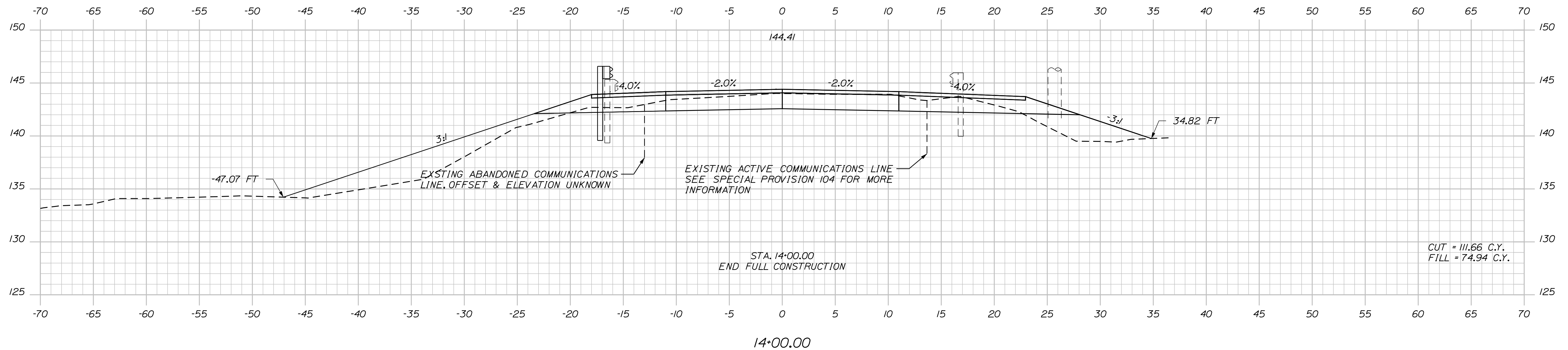
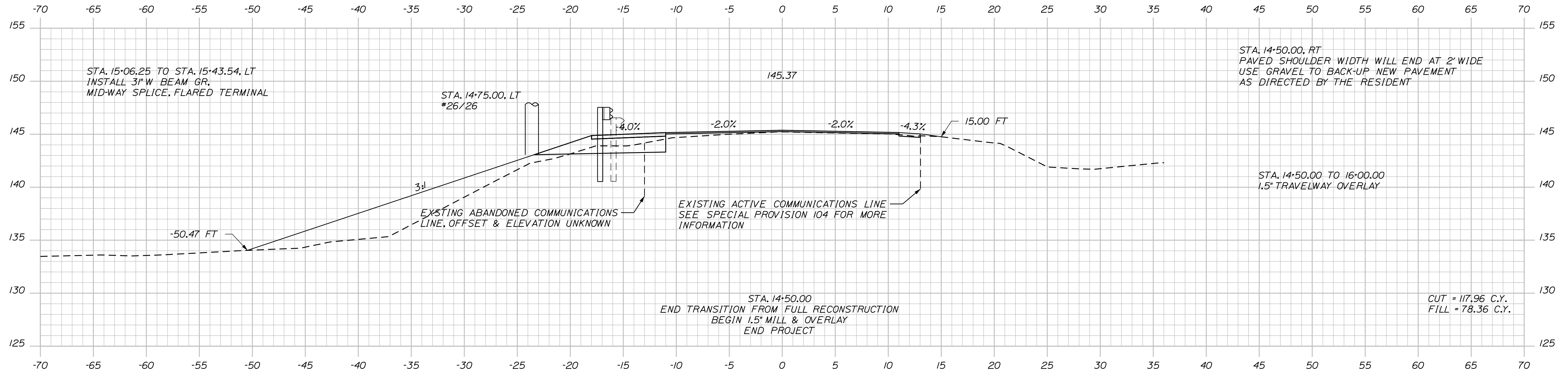
  

## HOWLAND ROUTE 116

### CROSS SECTIONS

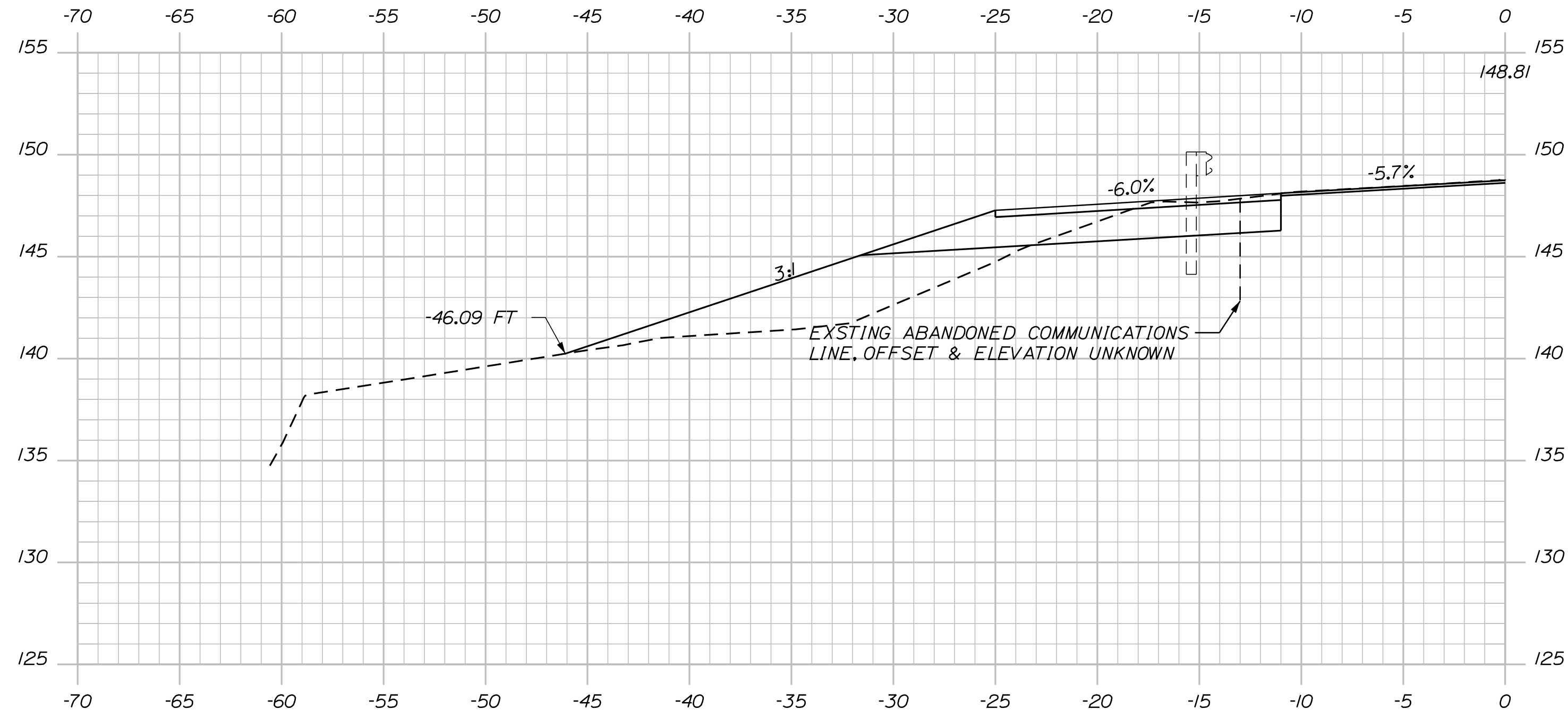
  

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12
OF 16

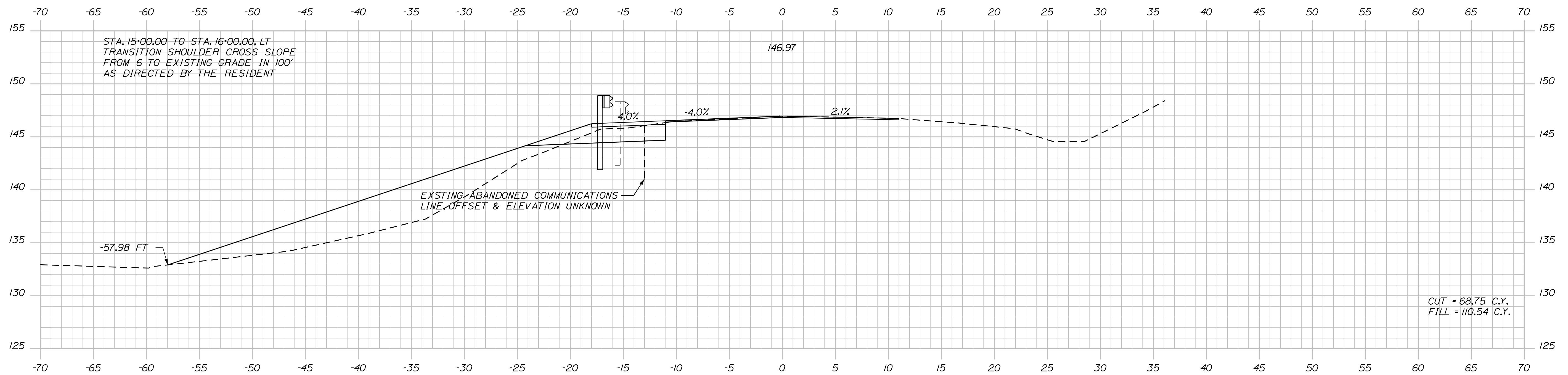


PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
BY	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
SIGNATURE	P.E. NUMBER	DATE							

HOWLAND  
ROUTE 116  
CROSS SECTIONS



15+43.54



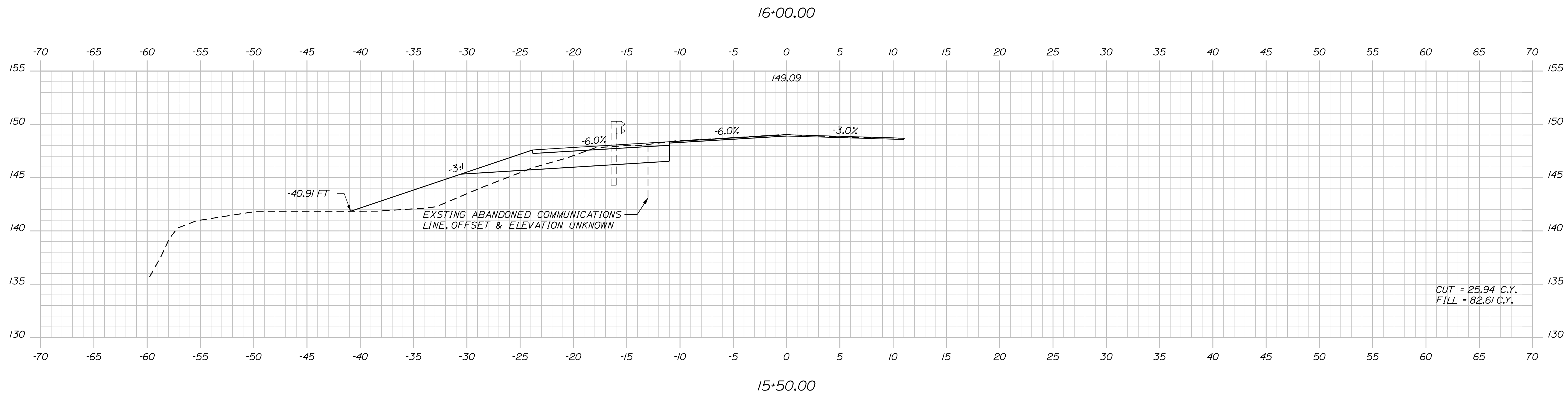
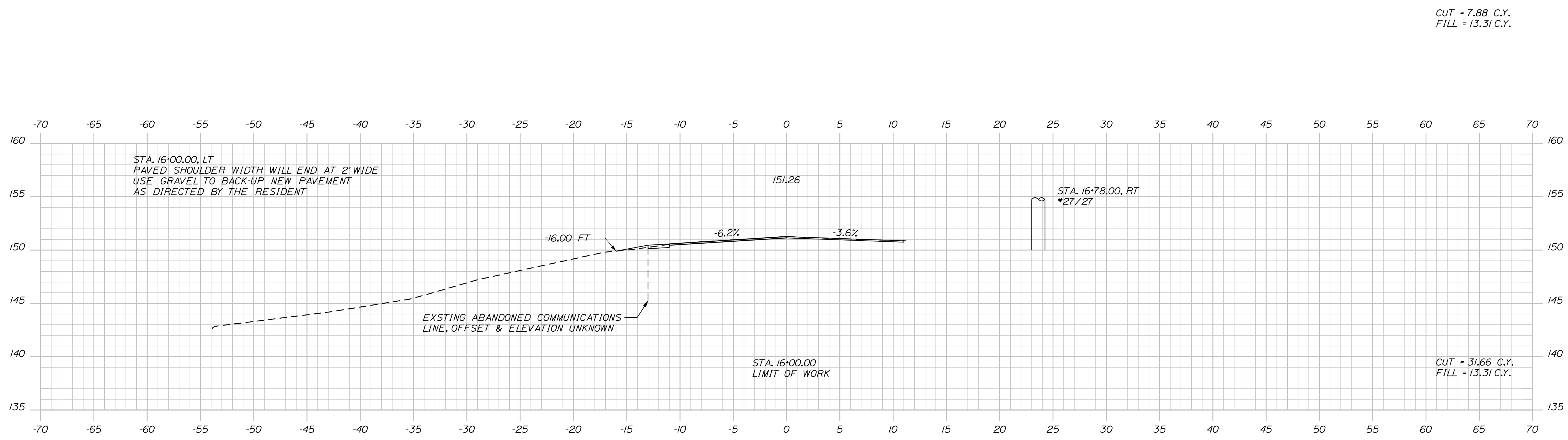
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STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
18826.00  
WIN  
WIN 018826.00  
HIGHWAY PLANS

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
BY	DATE	SIGNATURE	P.E. NUMBER	DATE				

HOWLAND  
ROUTE 116  
CROSS SECTIONS

SHEET NUMBER  
**14**  
OF 16



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
18826.00  
WIN  
WIN 018826.00  
HIGHWAY PLANS

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
BY	DATE	SIGNATURE	P.E. NUMBER	DATE				

HOWLAND  
ROUTE 116  
CROSS SECTIONS

SHEET NUMBER  
**15**  
OF 16

Town, County, State \_\_\_\_\_  
 Approx. Property Lines \_\_\_\_\_ P.L. \_\_\_\_\_  
 Existing Right of Way \_\_\_\_\_  
 Limits of Wrought Portion \_\_\_\_\_ L.O.W.P. \_\_\_\_\_  
 Control Of Access \_\_\_\_\_ C.O.A. \_\_\_\_\_  
 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 CHAIN LINK \_\_\_\_\_  
 Sign \_\_\_\_\_

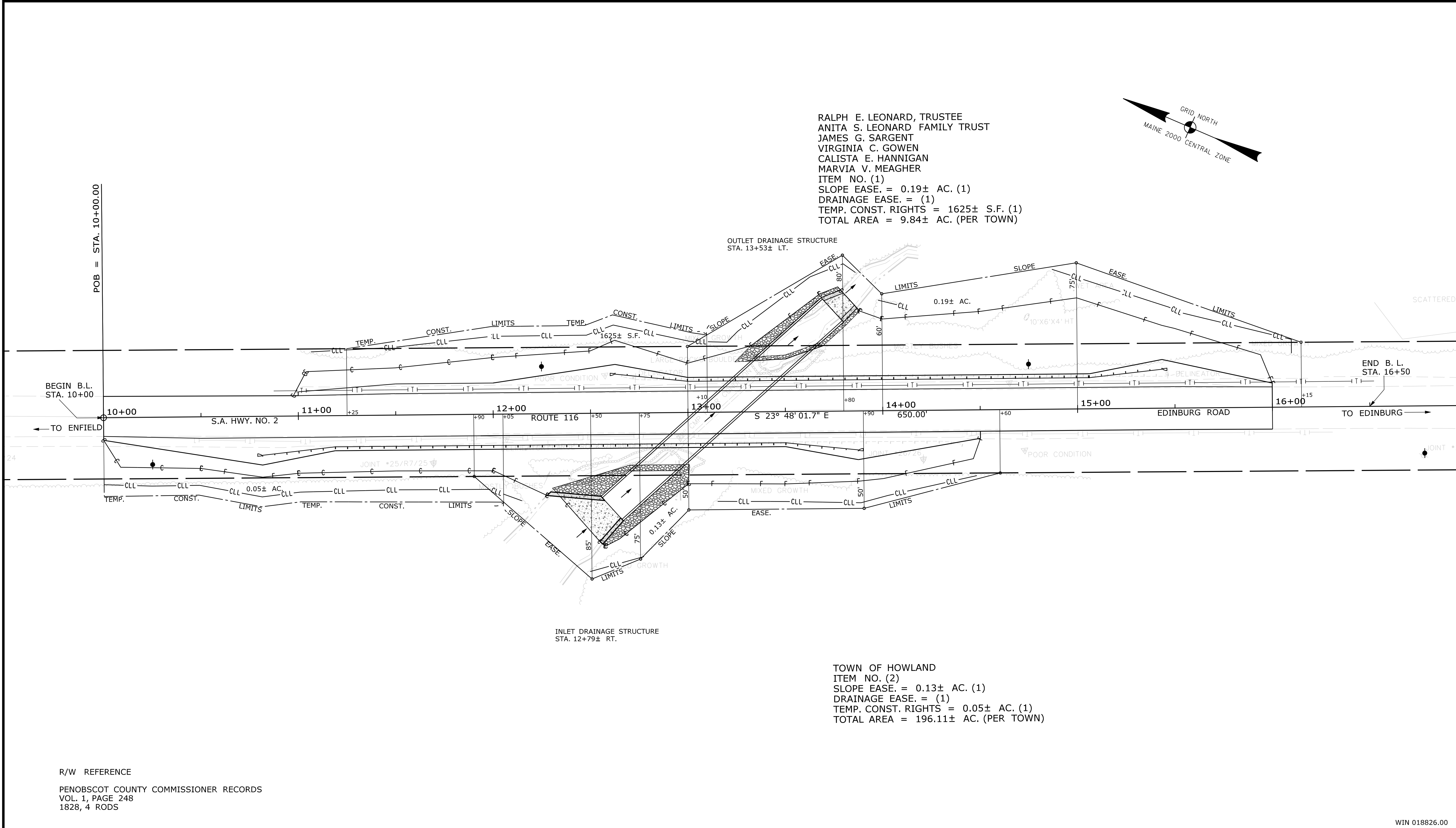
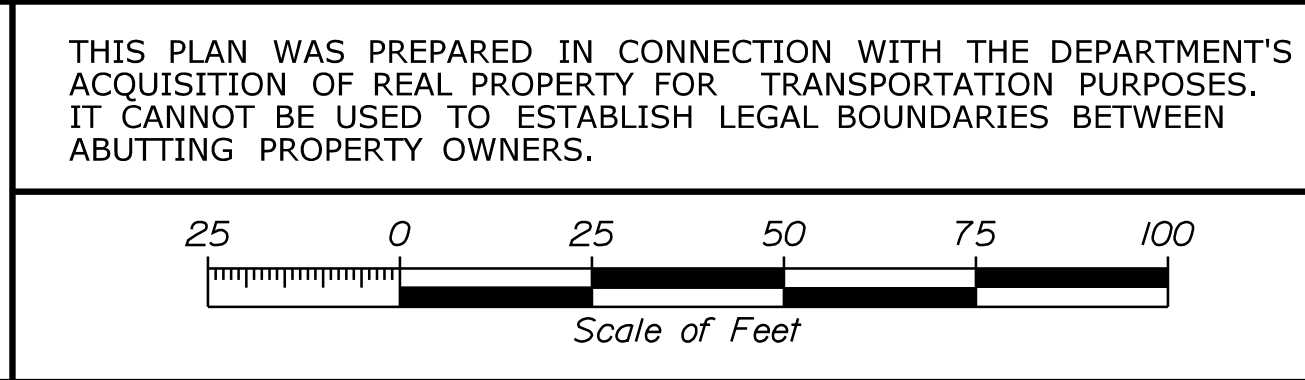
Clearing Limit Line \_\_\_\_\_ CLL \_\_\_\_\_  
 Bush Line \_\_\_\_\_  
 Rock/Boulder \_\_\_\_\_  
 BARB WIRE \_\_\_\_\_  
 Well \_\_\_\_\_

Sanitary Sewer \_\_\_\_\_  
 Telephone Line \_\_\_\_\_  
 Electric Line \_\_\_\_\_  
 Water Line \_\_\_\_\_  
 Underdrain Line \_\_\_\_\_  
 Gas Line \_\_\_\_\_  
 Guardrail \_\_\_\_\_  
 Culvert \_\_\_\_\_

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

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

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



R/W REFERENCE  
 PENOBSCOT COUNTY COMMISSIONER RECORDS  
 VOL. 1, PAGE 248  
 1828, 4 RODS

NO.	DATE	REVISIONS DESCRIPTION	BY	PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD			
				NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE		
						COND.	8/12/19	15239	283		

BRUCE A. VAN NOTE  
 COMMISSIONER  
 JOYCE NOEL TAYLOR  
 CHIEF ENGINEER  
 DATE \_\_\_\_\_

STATE AID HIGHWAY NO. 2  
 ROUTE 116 EDINBURG ROAD  
 HOWLAND PENOBSCOT COUNTY  
 STATE PROJECT NO. 18826.00  
 FEBRUARY 2019 RIGHT-OF-WAY MAP  
 SCALE 1" = 25' SHEET 1 OF 1  
 D.O.T. FILE NO. 10-514

SHEET NUMBER  
**16**  
 OF 16

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	BDM	
FINAL RIGHT OF WAY	BDM	
AREAS	BDM	

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

Filename: ... \00\ROW\MSTA001\_RWPLAN1.dgn  
 Division: HIGHWAY  
 Username: notasha.m.colins  
 Date: 10/28/2019

WIN 018826.00