

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



## DURHAM ANDROSCOGGIN COUNTY ROUTE 9 STATE PROJECT NO. 22662.00 PROJECT LENGTH : 0.03 MILES

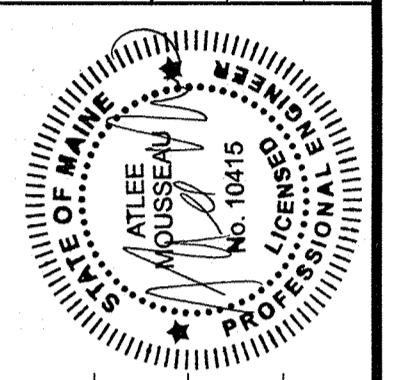
### PLAN LEGEND

Town, County, State _____	Catch Basins <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Existing <span style="background-color: black; color: white; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Proposed
Property Lines _____	Manholes <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span> Existing <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; background-color: black;"></span> Proposed
R/W Lines-Existing _____	Proposed Underdrain _____
R/W Lines-Proposed _____	Proposed Ditch _____
Culvert-Existing _____	Existing Ditch _____
Culvert Proposed _____	Utility Poles <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span> Existing <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; background-color: black;"></span> Proposed
Curbing Existing _____ Proposed _____	Fire Hydrants <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span> Existing <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; background-color: black;"></span> Proposed
Type 1 _____	Existing Water Line _____
Type 3 _____	Existing San. Sewer _____
Type 5 _____	Existing San. Sewer Manhole <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span>
Outline of Bodies of Water _____	Guardrail-Existing _____
Exposed Bedrock _____	Guardrail-Proposed _____
Buildings _____	Guardrail-Cable, Other _____
Trees <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span> Conifer <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span> Deciduous	Centerline-Existing _____
Tree Line _____	Centerline-Proposed _____
Clearing Limit Line _____	Travelway-Existing _____
Railroad _____	Travelway-Proposed _____
Boring <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span> HB-XXX-###	Probe <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span> P-#. #X
Pavement Core <span style="background-color: black; color: white; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> PC-#	#.# = Depth
Test Pit <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px;"></span> TP-XXX-###	X = W (Weathered Rock)
	R (Refusal)
	NR (No Refusal)

### INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections/Estimated Quantities	2
General Notes	3
Construction/ Drainage Notes	4
Culvert Details	5
Boring Location Plan & Interpretive	
Subsurface Profile with Boring Logs	6
Plan / Profile	7
Cross - Sections	8-11
Right of Way Map	12

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	DATE 1-5-21
APPROVED	COMMISSIONER
CHIEF ENGINEER	1-5-2021

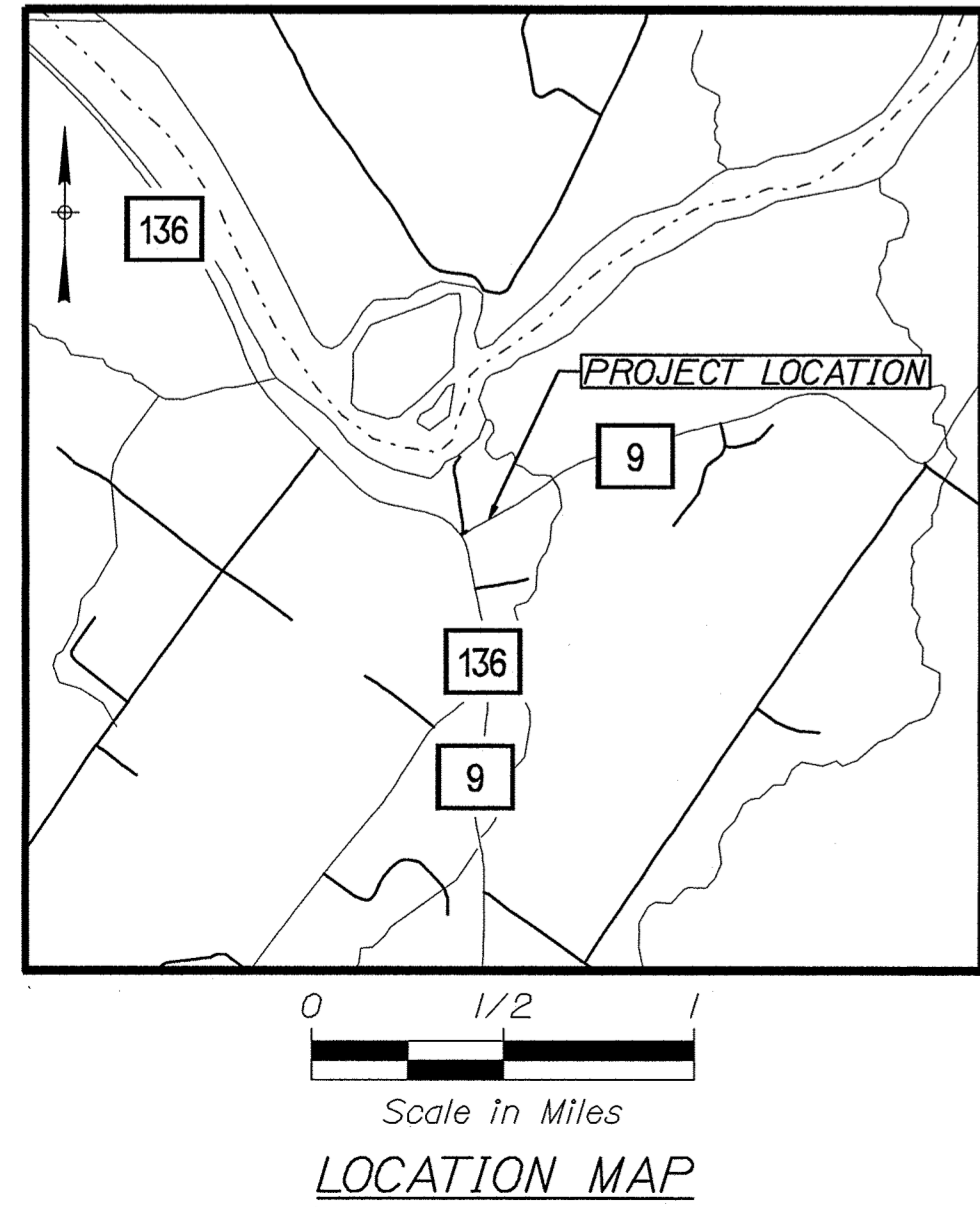
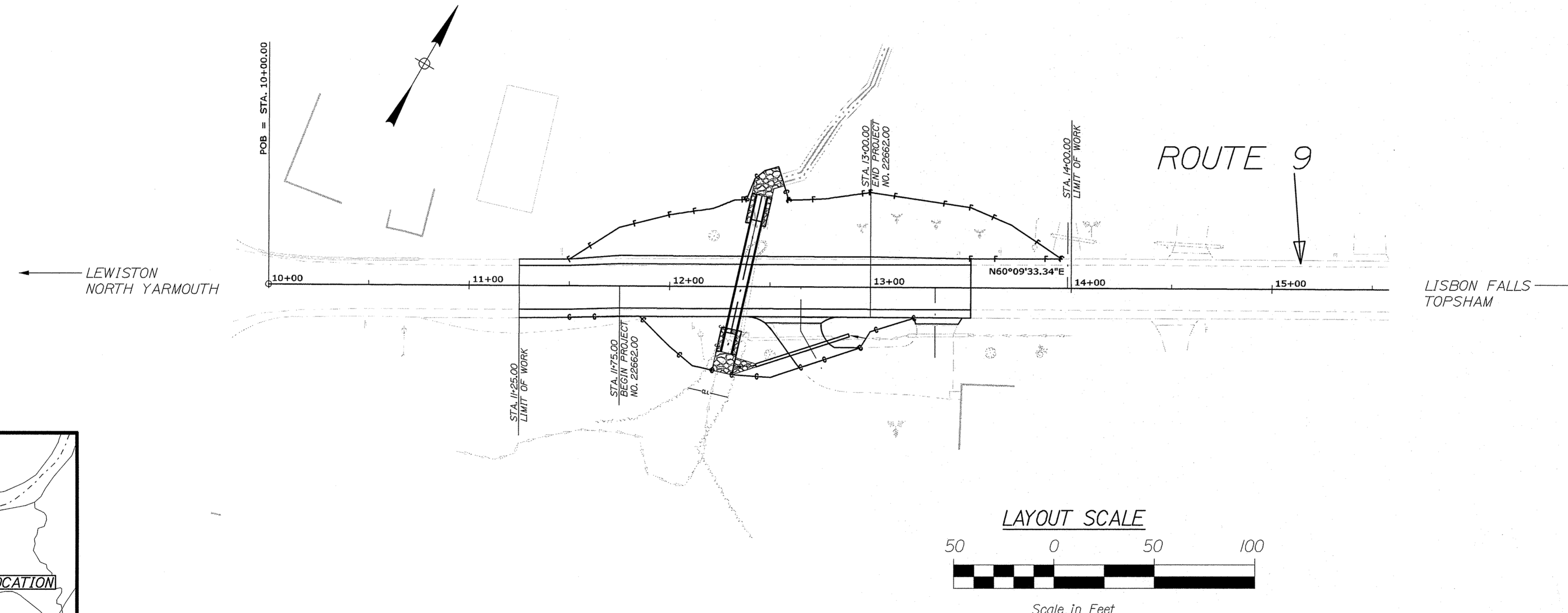


SIGNATURE	DATE
P.E. NUMBER	DATE
10415	10-21-2020

PROGRAM	PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
HIGHWAY	ERNEST MARTIN	CRAG H TAYLOR				

PROJECT INFORMATION	DURHAM ROUTE 9
TITLE SHEET	DURHAM ROUTE 9

SHEET NUMBER	1
OF 12	



TRAFFIC DATA	
Current (2020) AADT	3080
Future (2032) AADT	3450
DHV - % of AADT	11%
Design Hour Volume	376
% Heavy Trucks (AADT)	7%
Directional Distribution (DHV)	51%
Design Speed (mph)	35 MPH
Functional Class: Major/Urban Collector	
Corridor Priority	3

<b>PROJECT LOCATION:</b>	LARGE CULVERT #121321 LOCATED 0.02 MILE EAST OF ROYALSBOROUGH ROAD
<b>PROGRAM AREA:</b>	HIGHWAY PROGRAM
<b>SCOPE OF WORK:</b>	LARGE CULVERT REPLACEMENT

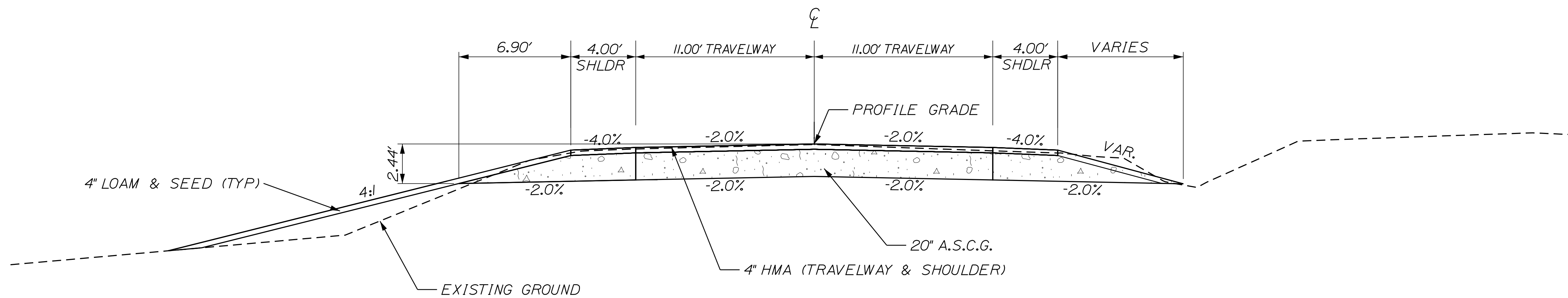
WIN 22662.00 STATE PROJECT NO. 22662.00

Filename: ... \HIGHWAY\MSTA\001\ Title...3.dgn  
Division: HIGHWAY  
Username: Brooke.Gladden  
Date: 10/22/2020

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	606	CY
203.25	GRANULAR BORROW	210	CY
203.55	CULVERT BEDDING STONE	45	CY
206.061	STRUCTURAL EARTH EX - DRAINAGE & MINOR STRUCTURES BELOW GRADE	23	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	418	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	65	T
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, ISLANDS & INCIDENTALS)	2	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	105	T
409.15	BITUMINOUS TACK COAT - APPLIED	40	G
511.07	COFFERDAM: UPSTREAM	1	LS
511.07	COFFERDAM: DOWNSTREAM	1	LS
603.17	18 INCH CULVERT PIPE OPTION I	48	LF
603.259	60" CULVERT PIPE OPTION III	80	LF
610.08	PLAIN RIPRAP	32	CY
613.319	EROSION CONTROL BLANKET	10	SY
615.07	LOAM	86	CY
618.13	SEEDING METHOD NUMBER 1	7	UN
619.12	MULCH	7	UN
619.14	EROSION CONTROL MIX	3	CY
620.54	STABILIZATION/REINFORCEMENT GEOTEXTILE	200	SY
620.58	EROSION CONTROL GEOTEXTILE	107	SY
620.65	REINFORCEMENT GEOGRID	67	SY
627.733	4 INCH WHITE OR YELLOW PAINTED PAVE MRK LINE	825	LF
627.78	TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE WHITE OR YELLOW	825	LF
629.05	HAND LABOR, STRAIGHT TIME	30	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	15	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	15	HR
643.72	TEMPORARY TRAFFIC SIGNAL	2	EA
652.312	TYPE III BARRICADE	2	EA
652.33	DRUM	20	EA
652.34	CONE	20	EA
652.35	CONSTRUCTION SIGNS	106	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	30	CD
652.38	FLAGGER	200	HR
652.61	STAGED CONSTRUCTION AND TRAFFIC CONTROL	1	LS
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

NOTES:

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. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 4" LOAM OR DIRTY BORROW DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.
5. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.



TYPICAL SECTION

NOT TO SCALE

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		22662.00		WIN		22662.00		HIGHWAY PLANS	
PROJ. MANAGER		ERNEST MARTIN		BY		DATE		SIGNATURE		P.E. NUMBER	
DESIGN-DETAILED		CRAIG H. TAYLOR		T. WHITE		May 2019					
CHECKED-REVIEWED		C. RUSSELL									
DESIGN-DETAILED											
REVISIONS 1											
REVISIONS 2											
REVISIONS 3											
REVISIONS 4											
FIELD CHANGES											
DURHAM ROUTE 9						TYPICAL SECTION/ESTIMATED QUANTITIES					
SHEET NUMBER											
2											
OF 12											

**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. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT.
3. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.
4. 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.
5. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.
6. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION ON IN LOW WET AREAS TO 1 FOOT 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.
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. EXISTING INSLOPES IN PROPOSED FILL AREAS SHALL BE BENCHED BY EXCAVATING STEPS OF SUFFICIENT WIDTH TO PERMIT PLACING AND COMPACTING THE FILL MATERIAL ALONG WITH THE MATERIAL REMOVED.
9. GRAVEL ENTRANCES SHALL BE CONSTRUCTED WITH 14" AGGREGATE SUBBASE COURSE GRAVEL OR 1" AGGREGATE SUBBASE COURSE GRAVEL AND 3" UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
10. A 3' PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
11. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
12. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
13. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED.
14. 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.
15. 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.
16. 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.
17. AREA ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
18. 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.
19. 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.
20. 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.
21. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS DIRECTIONAL SIGNS (OBDS) TO ENSURE THAT THEY ARE VISIBLE TO THE TRAVELING PUBLIC. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
22. THE PROJECT GEOTECHNICAL REPORT TITLED GEOTECHNICAL DESIGN REPORT FOR THE REPLACEMENT OF: CROSS CULVERT \*XC-121321, SOILS REPORT 2021-01, JANUARY 5, 2021 CAN BE ACCESSED AT THE MAINE DOT WEBSITE: [HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/](http://www.maine.gov/mdot/contractors/).
23. 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 ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. MAINE DOT 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.

Date: 1/12/2021

Username: Ryan.Hodgman

Division: HIGHWAY

Filename: ... \MSTA\003\_GeneralNotes (2).dgn

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

22662.00

WIN  
22662.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

DATE

Feb 2017

E. MARTIN

C. TAYLOR

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGN-DETAILED

DESIGN-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

BY

DATE

PROJ. MANAGER

DESIGN-DETAILED

DURHAM  
ROUTE 9

GENERAL NOTES

SHEET NUMBER

3

OF 12

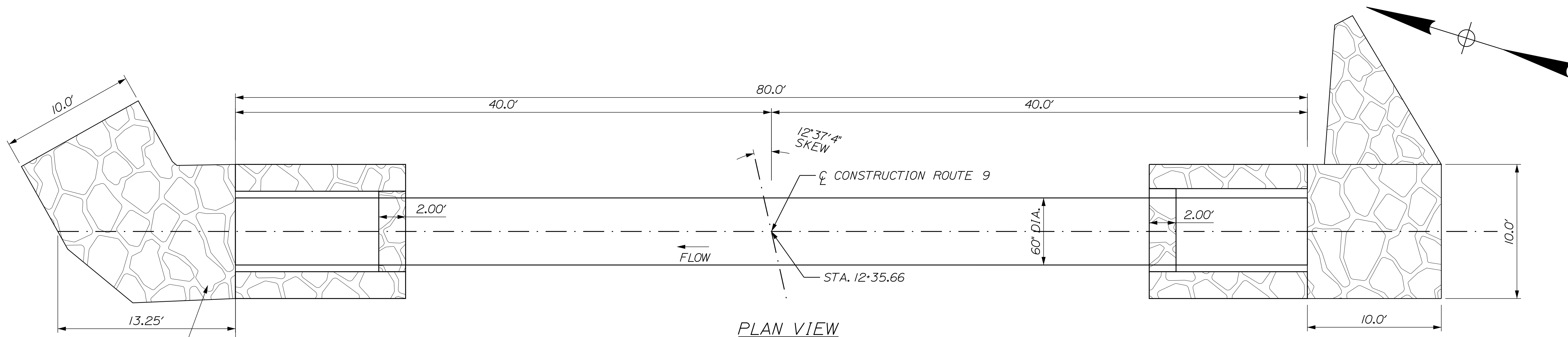


Date: 1/12/2021

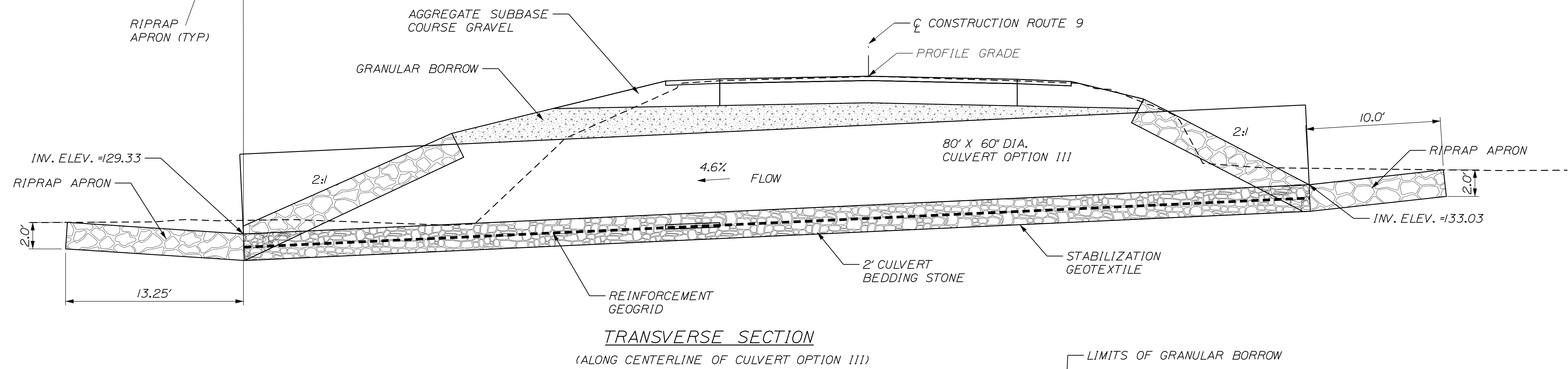
Username: Ryan.Hodgman

Division: HIGHWAY

Filename: ... \MSTAD005\_Culvert\_Details.dgn



PLAN VIEW

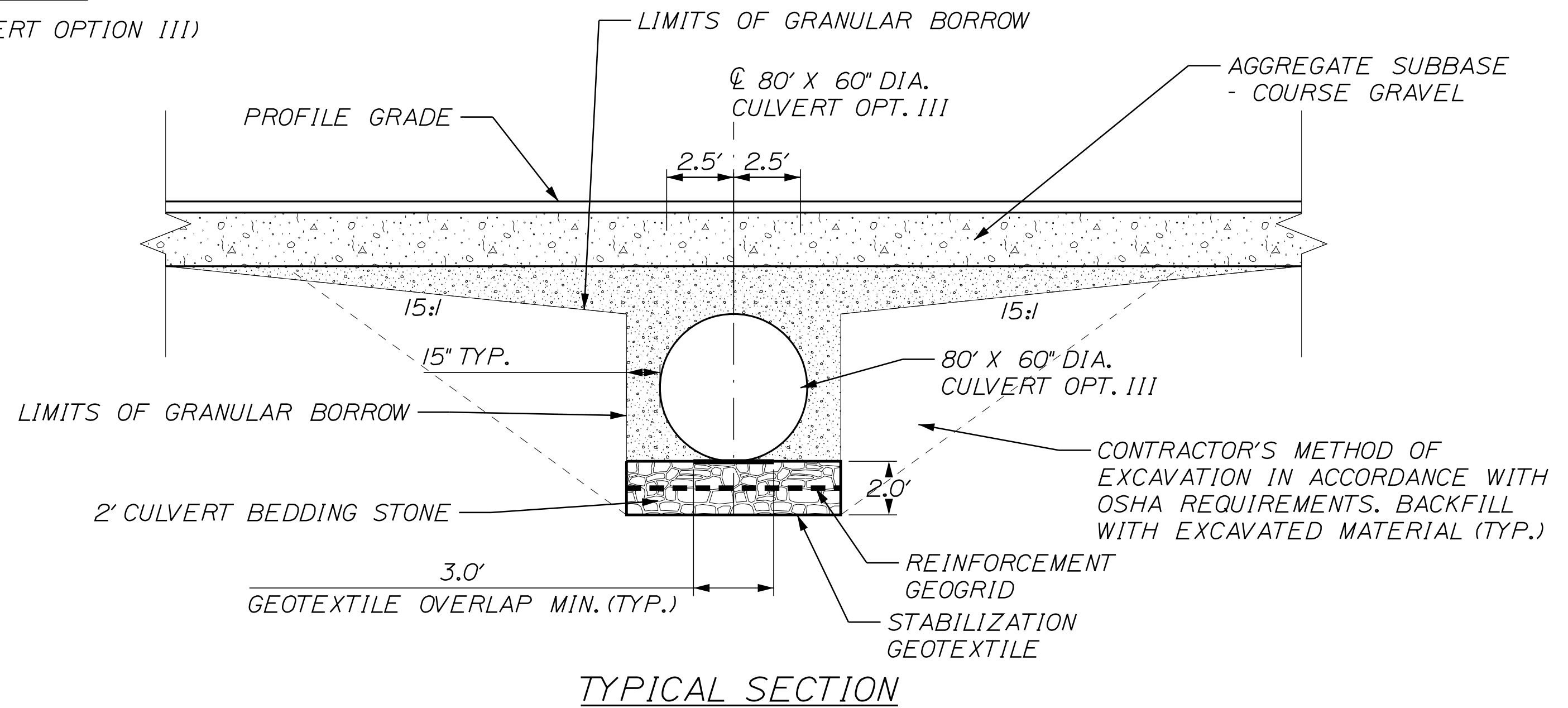


TRANSVERSE SECTION

(ALONG CENTERLINE OF CULVERT OPTION III)

CULVERT NOTES

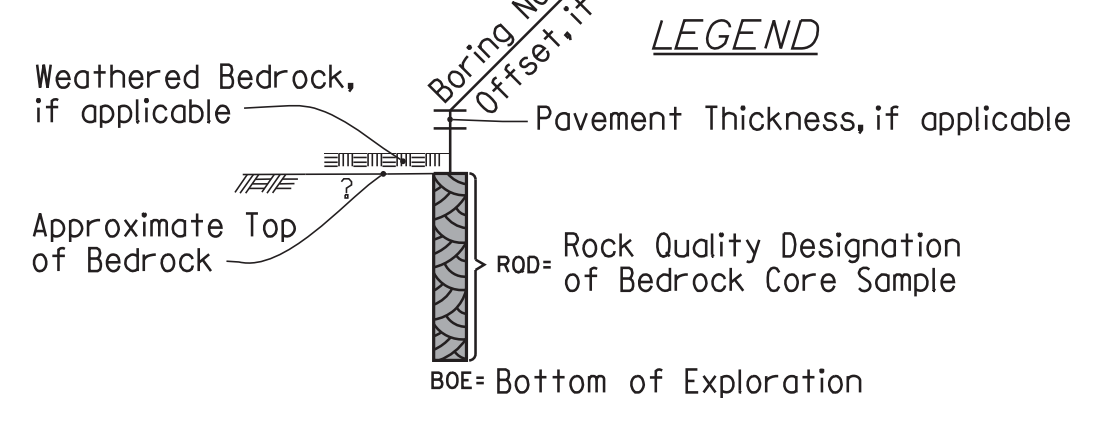
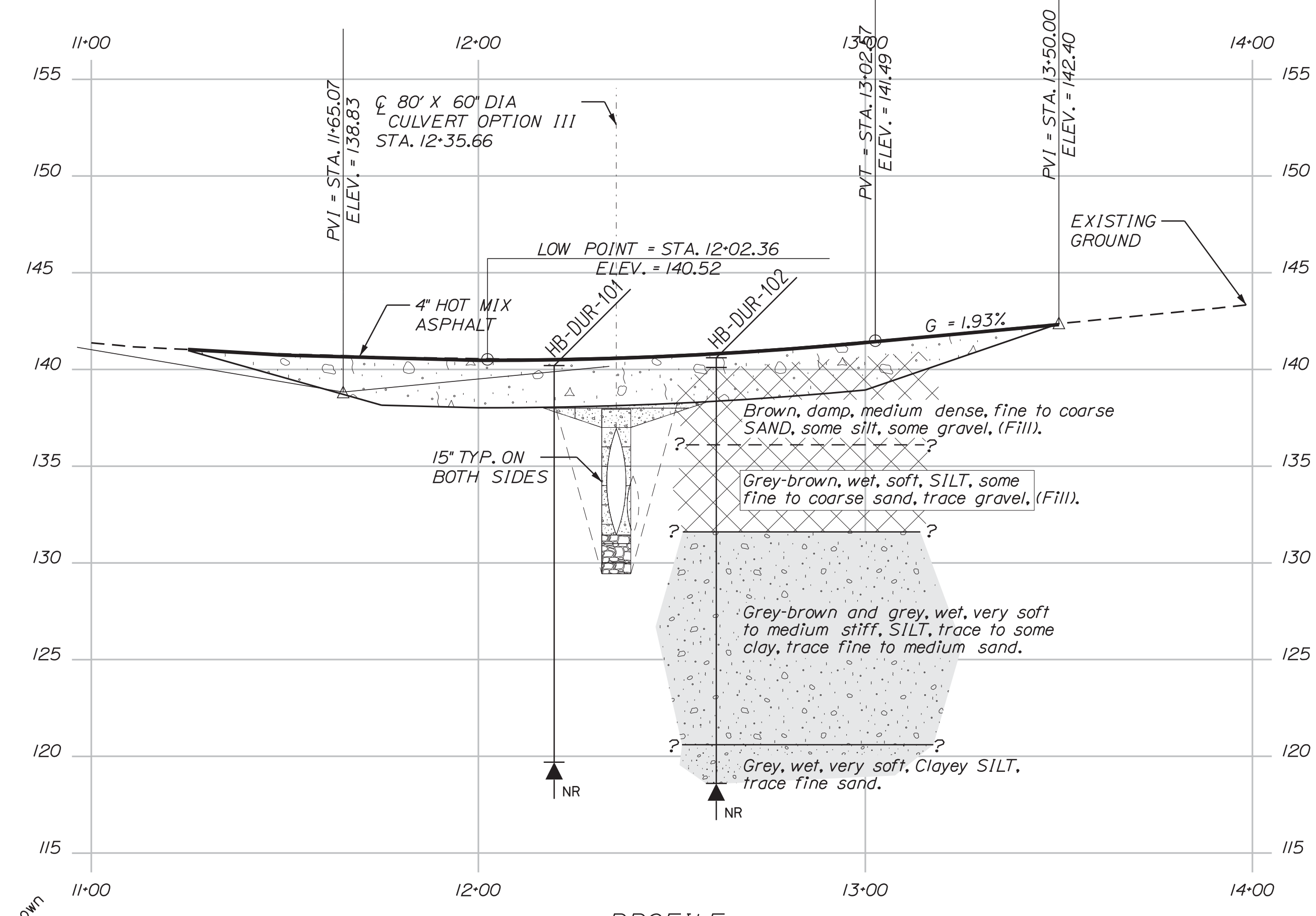
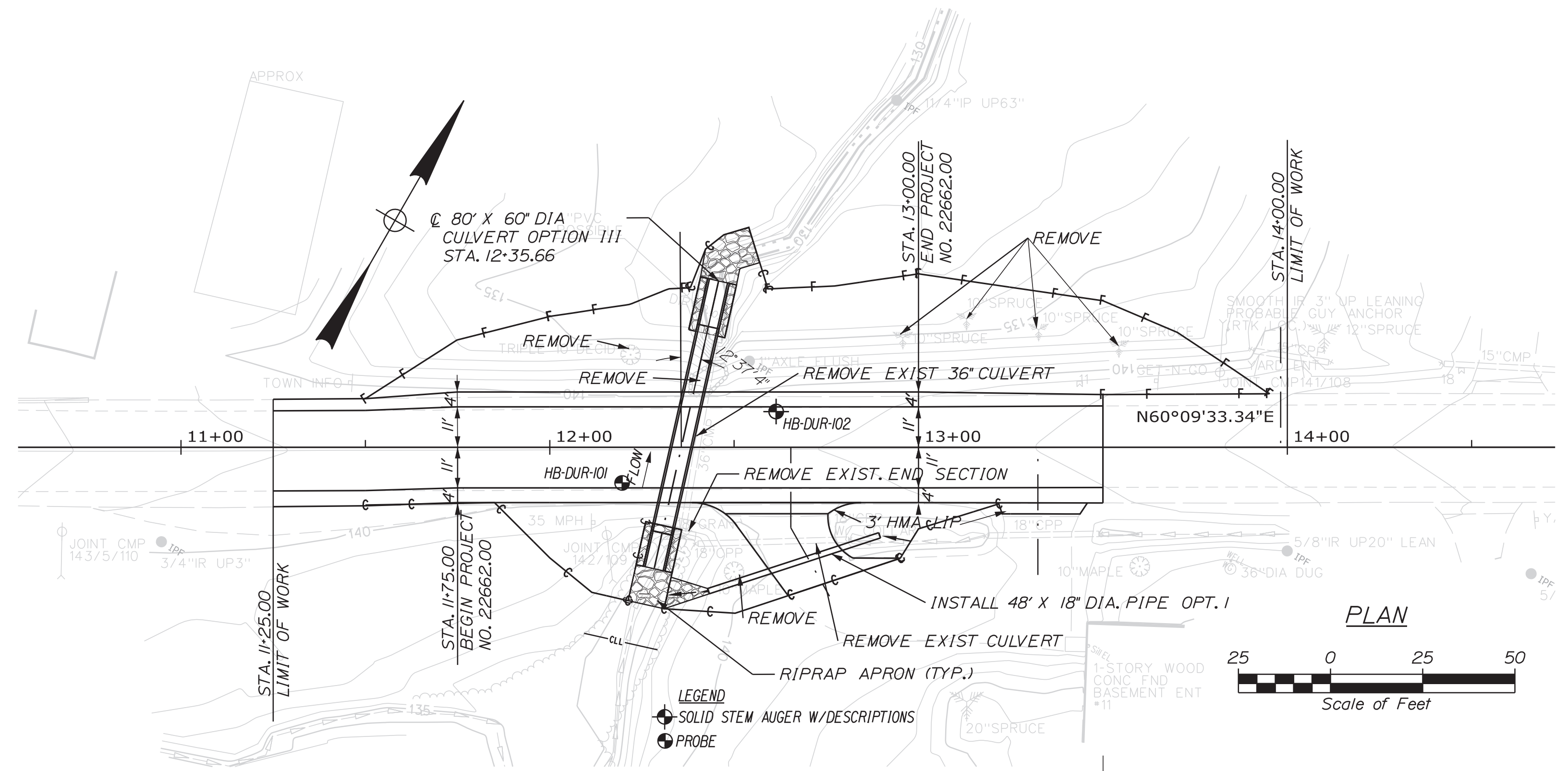
1. CONSTRUCTION, HANDLING, AND ASSEMBLY OF THE PRECAST UNITS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AS APPLICABLE.
2. THE PIPE SHALL BE BEDDED ON A 2' THICK GEOTEXTILE WRAPPED, UNDERDRAIN BACKFILL MATERIAL, TYPE C WITH A LAYER OF GEOGRID AT THE CENTER. PAYMENT WILL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.
3. STABILIZATION GEOTEXTILE SHALL BE OVERLAPPED A MINIMUM OF 3'.
4. THE SILT AT THE BEDDING ELEVATION SHOULD BE EXCAVATED USING A SMOOTH-EDGED BACKHOE BUCKET TO MINIMIZE DISTURBANCE TO THE SOFT SOILS AT THE SITE. ANY DISTURBED SOILS AT THE BEDDING ELEVATION RESULTING FROM EXCAVATION ACTIVITIES SHOULD BE REMOVED BY HAND PRIOR TO PLACEMENT OF THE GEOTEXTILE WRAPPED, GEOGRID REINFORCED, CRUSHED STONE MAT.
5. THE REINFORCEMENT GEOGRID SHALL MEET THE REQUIREMENTS OF SPECIAL PROVISION 620.



TYPICAL SECTION

NOT TO SCALE

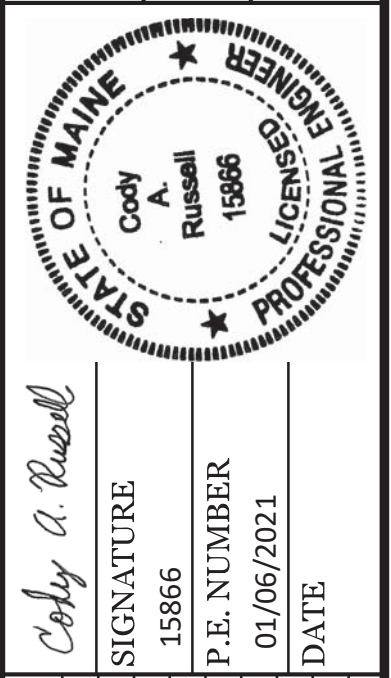
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		22662.00	
WIN		WIN 022662.00		HIGHWAY PLANS	
SIGNATURE		P.E. NUMBER		DATE	
PROJ. MANAGER	DESIGNER	CHECKED	DESIGNED	REVISIONS 1	REVISIONS 2
DATE	DATE	DATE	DATE	REVISIONS 3	REVISIONS 4
BY	DATE	BY	DATE	REVISIONS 5	FIELD CHANGES
DURHAM ROUTE 9 CULVERT DETAILS					
SHEET NUMBER					
5					
OF 12					



Note: This generalized interpretive soil profile is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced explorations and samples. Actual soil and bedrock transitions may vary and are probably more erratic. For more specific information refer to the exploration logs.

Maine Department of Transportation Soil/Rock Exploration Log US_CUSTOMARY UNITS		Project: Route 9 Large Culvert Location: Durham, Maine		Boring No.: HB-DUR-101	
Drilling Contractor: MaineDOT	Elevation (ft.): 140.3	Auger ID/OD: 5" Dia.	WIN: 22662.00	Operator: Daggert/John	Date: N/A
Logged By: B. Wilcox	Rig Type: CME 45C	Sampler: Hammer Wt./Fall: N/A	Core Barrel: N/A	Date Start/Finish: 3/14/2019: 09:00-11:30	Drilling Method: Solid Stem Auger
Boring Location: 12+19.6, 9.6 FT RT.	Coring ID/OD: N/A	Water Level*: None Observed	Visual Description and Remarks	<p>DEPTH (ft.)</p> <p>Sample No.</p> <p>Pen./Blow (ft./blows)</p> <p>Sample Depth (ft.)</p> <p>Blow / 6 in. (blows)</p> <p>Strength (lb/ft<sup>2</sup>)</p> <p>W-value</p> <p>Moisture (%)</p> <p>Specific Gravity</p> <p>Proctor Log</p>	
<p>Visual Description and Remarks: Probe, similar soils as HB-DUR-102.</p>					
<p>Bottom of Exploration at 20.5 feet below ground surface. NO REFUSAL.</p>					

Maine Department of Transportation Soil/Rock Exploration Log US_CUSTOMARY UNITS		Project: Route 9 Large Culvert Location: Durham, Maine		Boring No.: HB-DUR-102	
Drillers: MaineDOT	Elevation (ft.): 140.6	Auger ID/OD: 5" Dia.	WIN: 22662.00	Operator: Daggert/John	Date: N/A
Logged By: B. Wilcox	Rig Type: CME 45C	Sampler: Standard Split Spoon	Core Barrel: N/A	Date Start/Finish: 3/14/2019: 09:00-11:30	Drilling Method: Solid Stem Auger
Boring Location: 12+45.2, 9.8 FT LT.	Coring ID/OD: N/A	Water Level*: 14.8 FT Bgs	Visual Description and Remarks	<p>DEPTH (ft.)</p> <p>Sample No.</p> <p>Pen./Blow (ft./blows)</p> <p>Sample Depth (ft.)</p> <p>Blow / 6 in. (blows)</p> <p>Strength (lb/ft<sup>2</sup>)</p> <p>W-value</p> <p>Moisture (%)</p> <p>Specific Gravity</p> <p>Proctor Log</p>	
<p>Visual Description and Remarks: 4" HMA.</p>					
<p>Visual Description and Remarks: Brown, wet, medium dense, fine to coarse SAND, some silt, some gravel, (Fill).</p>					
<p>Visual Description and Remarks: Grey-brown, wet, soft, SILT, some fine to coarse sand, trace gravel, (Fill).</p>					
<p>Visual Description and Remarks: Grey-brown and grey, wet, very soft to medium stiff, SILT, trace to some clay, trace fine to medium sand.</p>					
<p>Visual Description and Remarks: Grey, wet, very soft, Clayey SILT, trace fine sand.</p>					
<p>Bottom of Exploration at 22.0 feet below ground surface. NO REFUSAL.</p>					



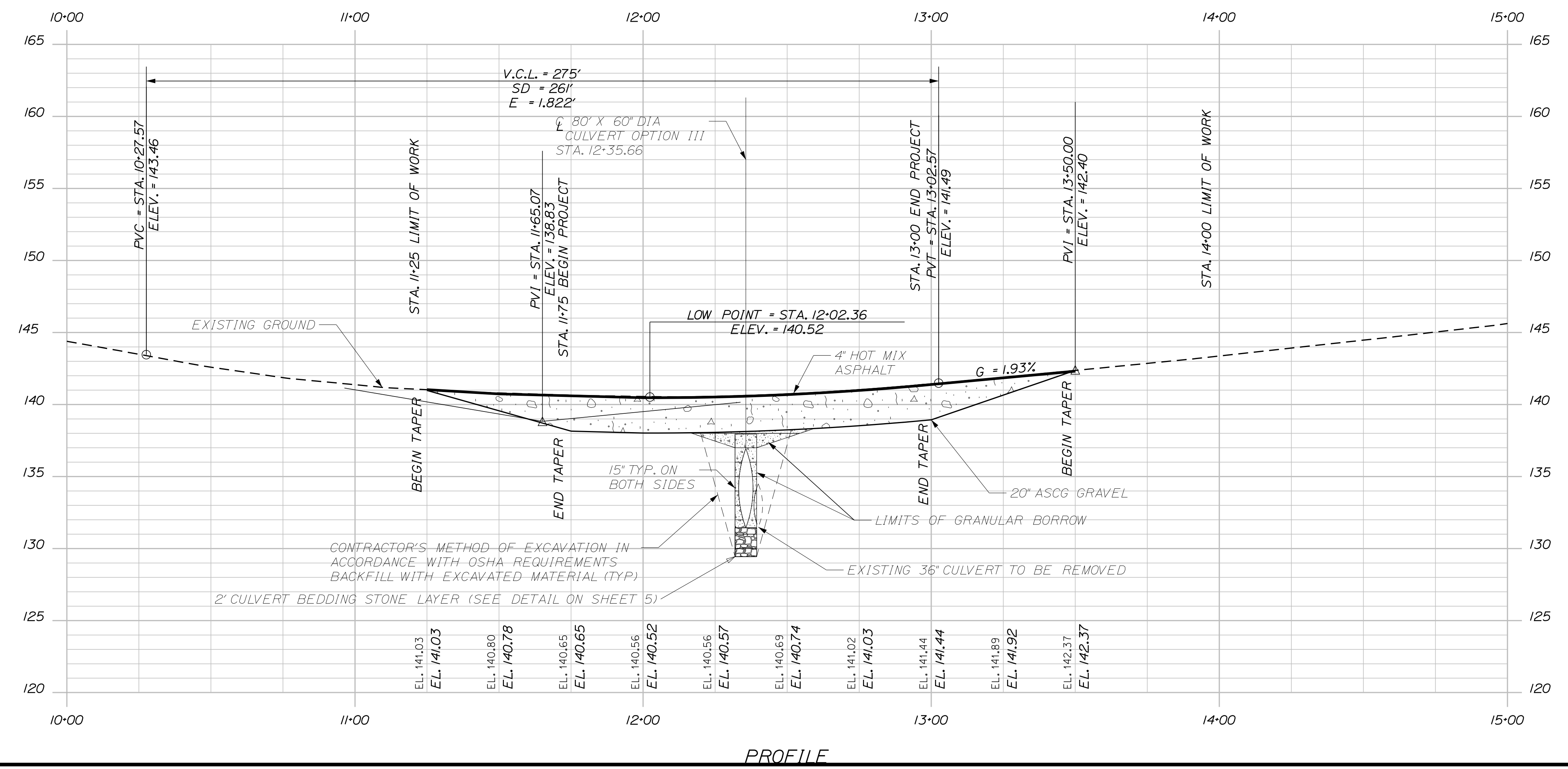
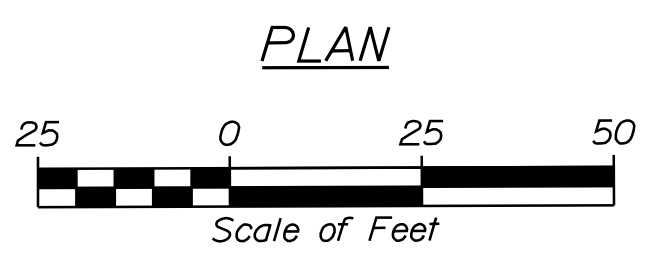
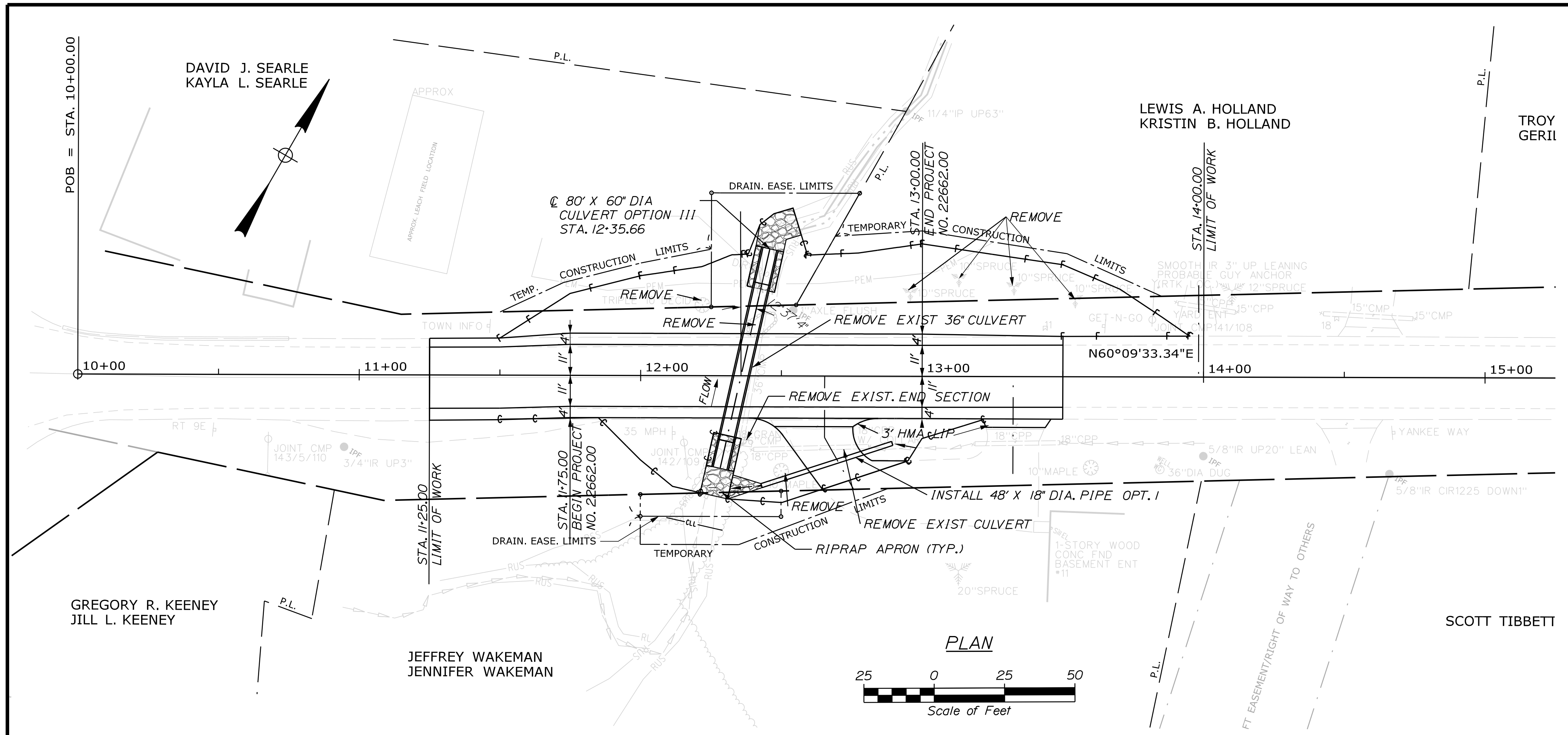
PROJ. MANAGER: ERNEST MARTIN	DATE: DEC 2020
CHECKED/REVIEWED: CRAG H. TAYLOR	BY: T. WHITE
DESIGNED/DETAILS: C. RUSSELL	DESIGNED/DETAILS: C. RUSSELL
REVISIONS: 1	REVISIONS: 2
REVISIONS: 3	REVISIONS: 4
FIELD CHANGES:	

DURHAM  
ROUTE 9  
BORING LOCATION PLAN &  
INTERPRETIVE SUBSURFACE PROFILE  
WITH BORING LOGS

SHEET NUMBER

6

Filename: ... \HIGHWAY\MSTA007\_HDPlan1.dgn Division: HIGHWAY Username: Ryan.Hodgman Date: 1/12/2021



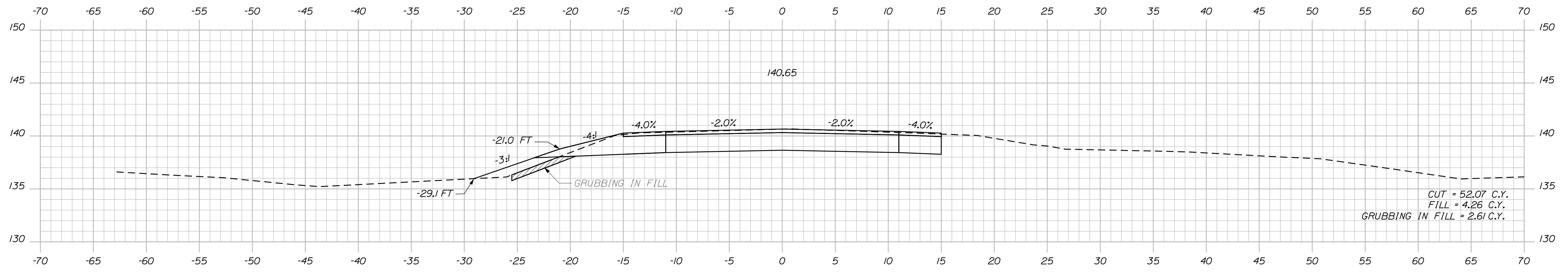
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		22662.00
SIGNATURE		P.E. NUMBER
DATE		DATE
PROJ. MANAGER ERNEST MARTIN		DATE
DESIGN-DETAILED	BY CRAIG H. TAYLOR	DATE
CHECKED-REVIEWED	C. RUSSELL	May 2019
DESIGN-DETAILED	T. WHITE	DATE
DESIGN-DETAILED	DATE	DATE
REVISIONS 1	DATE	DATE
REVISIONS 2	DATE	DATE
REVISIONS 3	DATE	DATE
REVISIONS 4	DATE	DATE
FIELD CHANGES		
DURHAM ROUTE 9		
PLAN / PROFILE		
SHEET NUMBER		
7		
OF 12		

Date: 1/12/2021

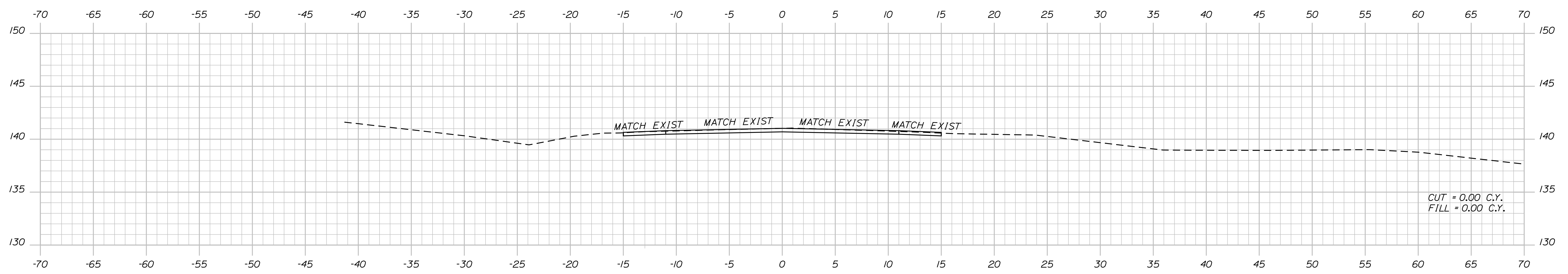
Username: Ryan.Hodgman

Division: HIGHWAY

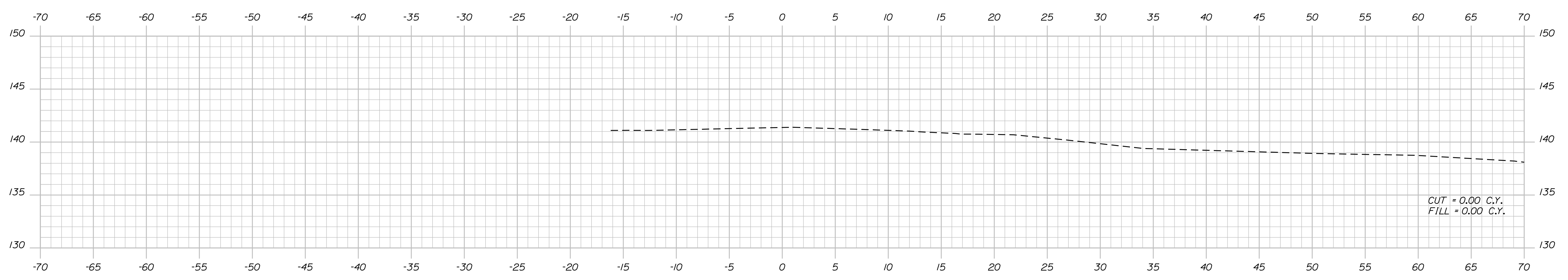
Filename: ... \MSTAD08\_XSECT\_11+00\_001.dgn



11+75.00 BEGIN PROJECT



11+25.00 LIMIT OF WORK



11+00.00

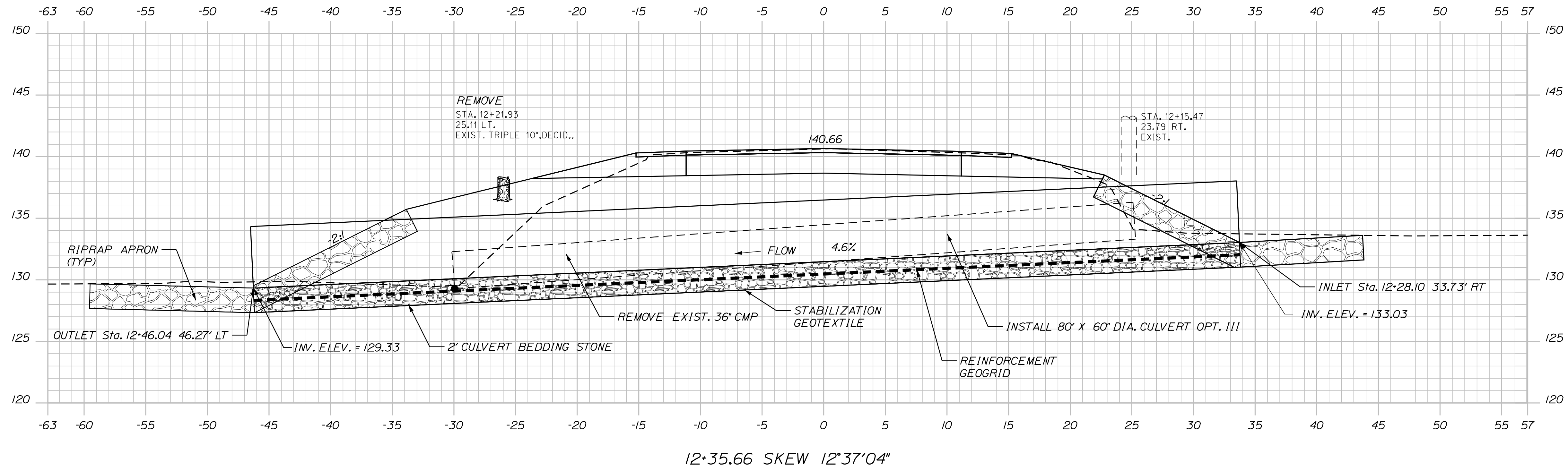
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
22662.00  
WIN WIN 022662.00  
HIGHWAY PLANS

SIGNATURE  
P.E. NUMBER  
DATE

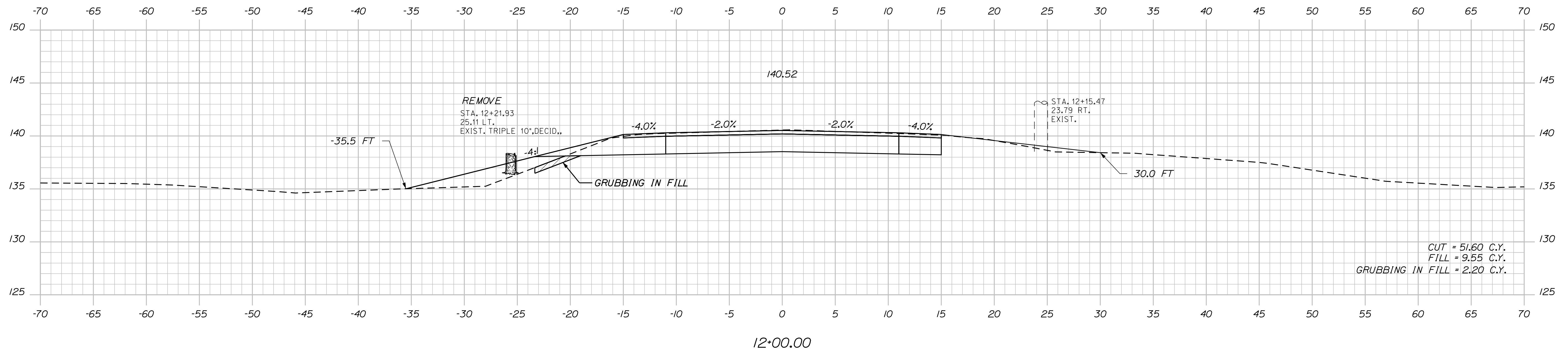
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

DURHAM  
ROUTE 9  
CROSS SECTIONS

SHEET NUMBER  
8  
OF 12



12+35.66 SKEW 12°37'04"



12+00.00

CUT = 51.60 C.Y.  
FILL = 9.55 C.Y.  
GRUBBING IN FILL = 2.20 C.Y.

DESIGN DETAILED	DESIGNER	DATE	SIGNATURE
CHECKED-REVIEWED	CHECKER		
DESIGN DETAILED	DESIGNER		P.E. NUMBER
DESIGN DETAILED	DESIGNER		DATE
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

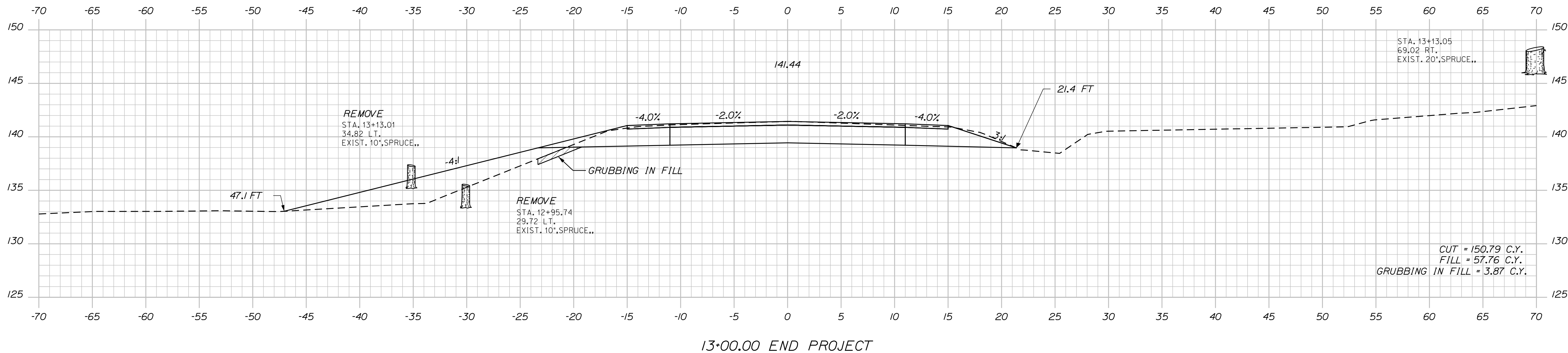
DURHAM  
ROUTE 9  
CROSS SECTIONS

Date: 1/12/2021

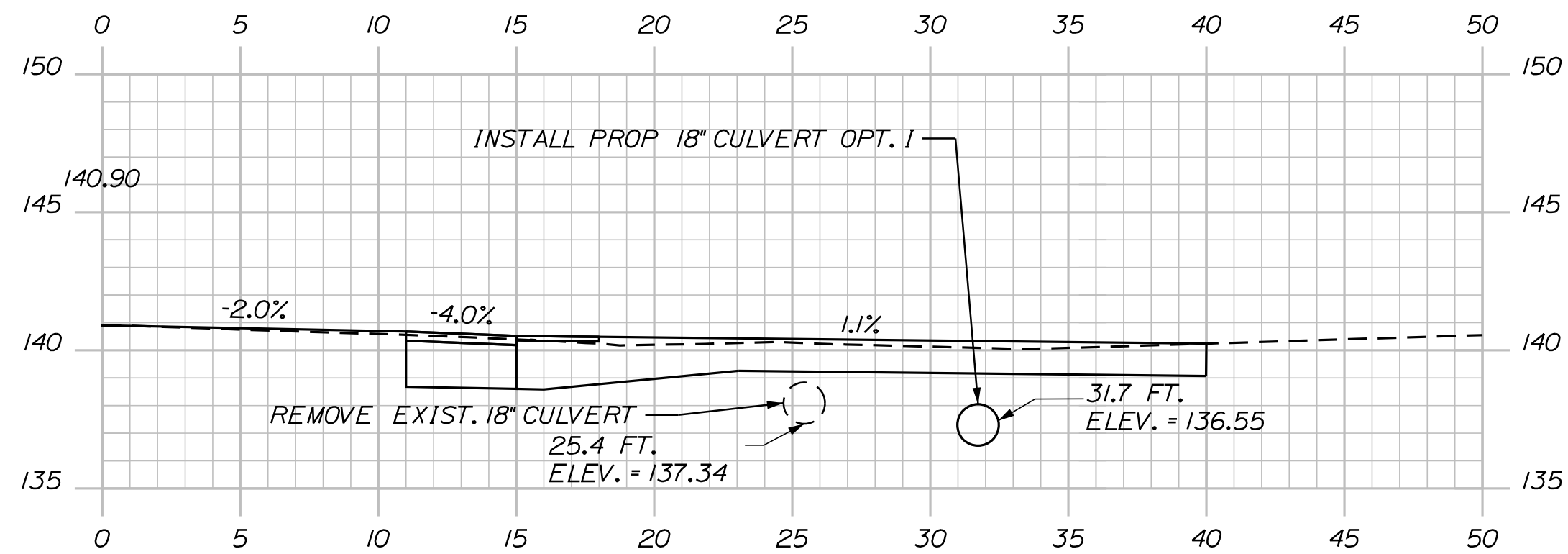
Username: Ryan.Hodgman

Division: HIGHWAY

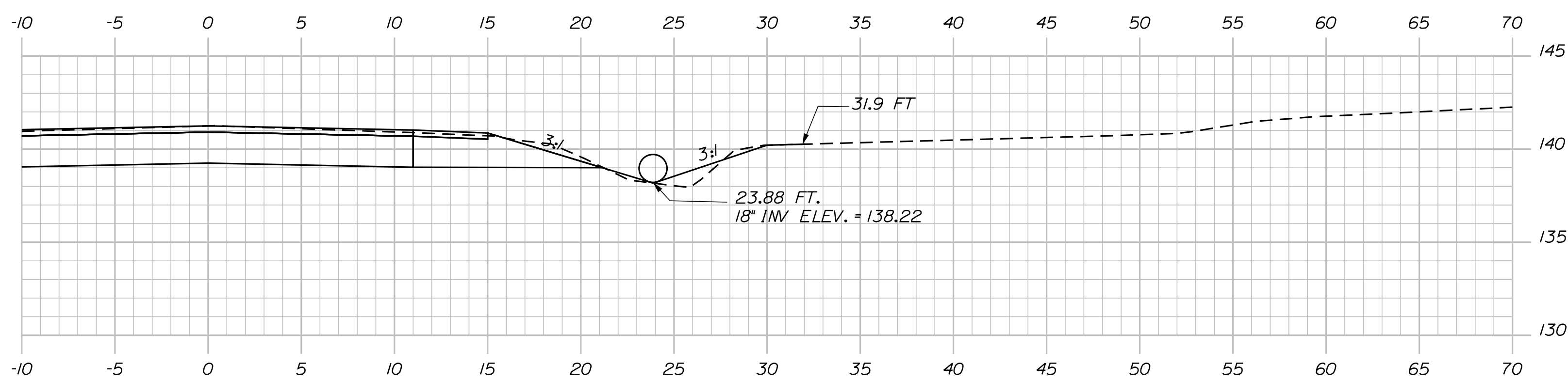
Filename: ... \MSTAN010\_XSECT\_12+50\_003.dgn



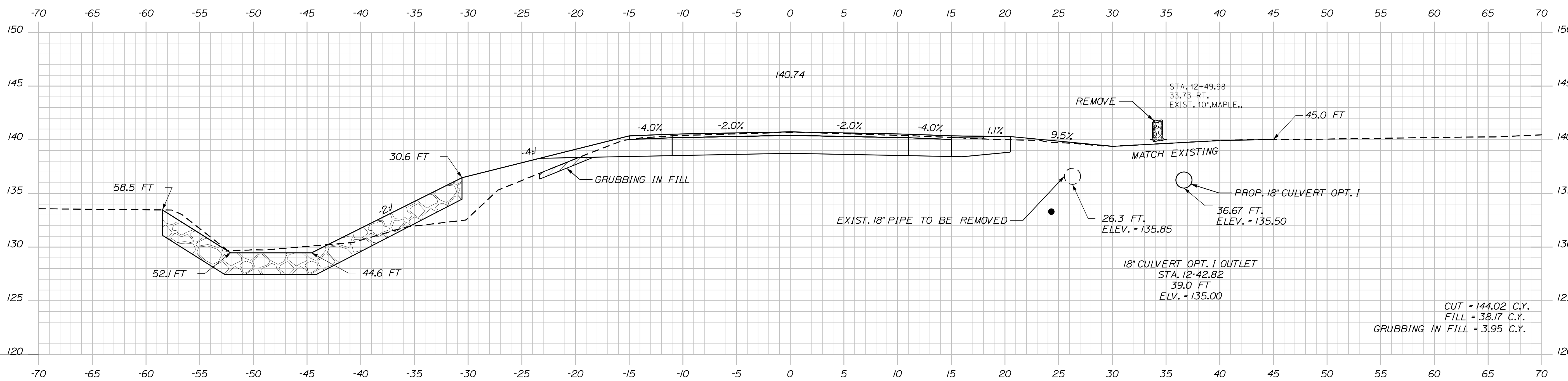
13+00.00 END PROJECT



12+65.37



12+89.44



12+50.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
22662.00  
WIN  
WIN 022662.00  
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE
DESIGN-DETAILED	DESIGNER	DATE	
CHECKED-REVIEWED	CHECKER	DATE	
DESIGN-DETAILED	DESIGNER	DATE	
DESIGN-DETAILED	DESIGNER	DATE	
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

DURHAM  
ROUTE 9  
CROSS SECTIONS

SHEET NUMBER  
**10**  
OF 12



