

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



TREMONT
HANCOCK COUNTY
ROUTE 102A
SLOPE STABILIZATION

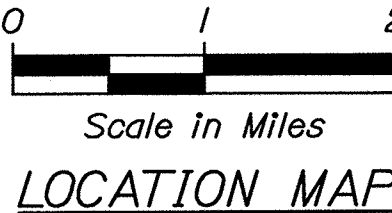
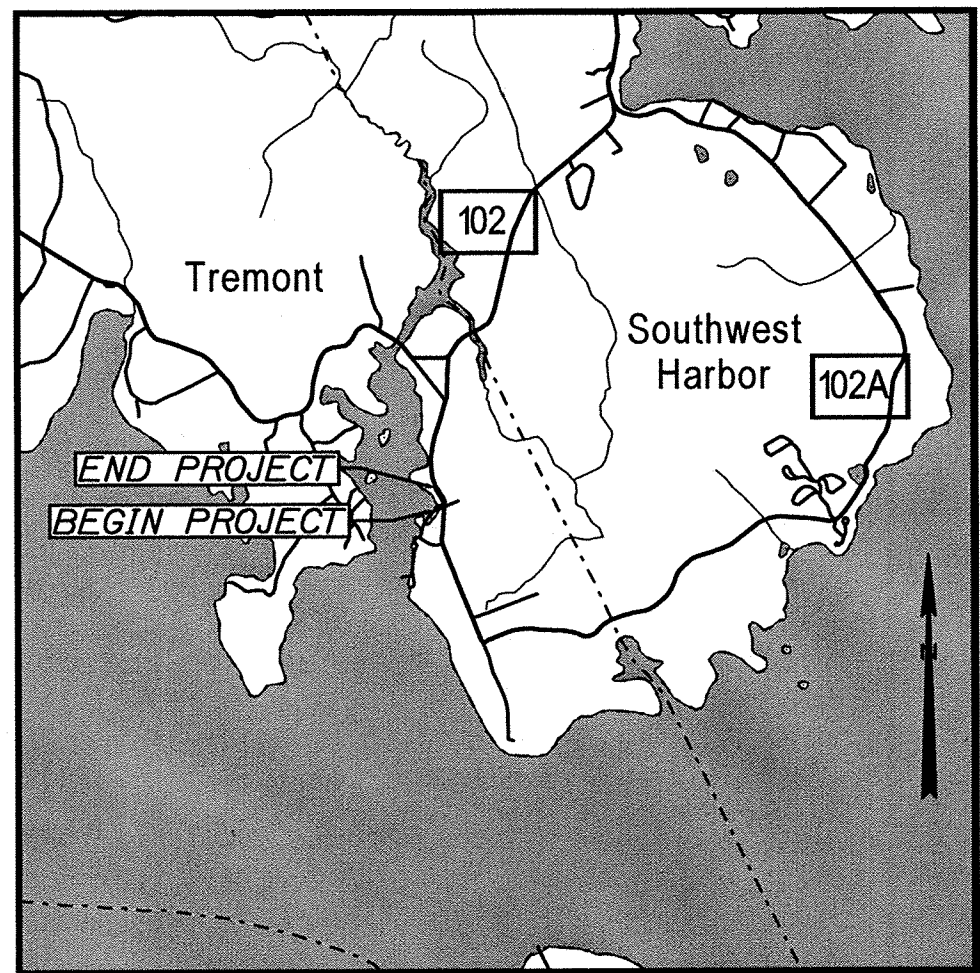
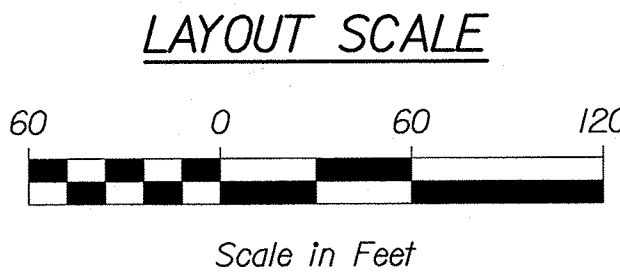
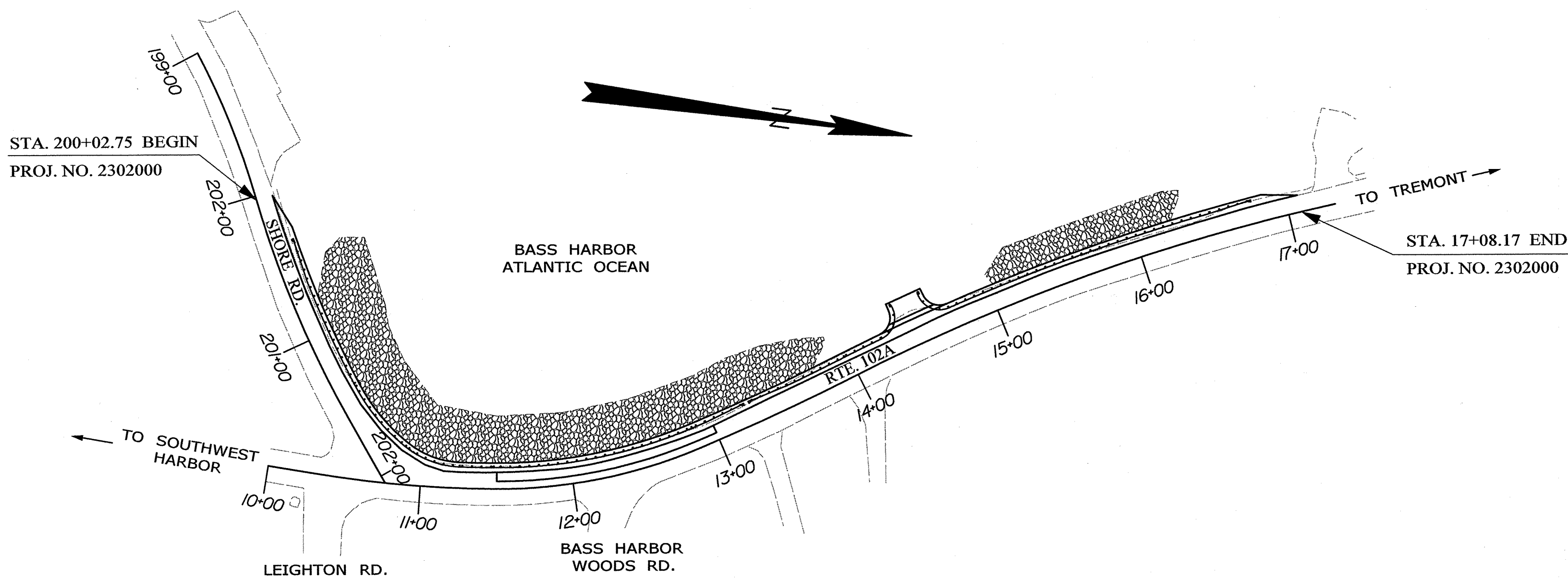
FEDERAL PROJECT NO. 2302000
PROJECT LENGTH: 0.13 MILES

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	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	Centerline-Existing		
Tree Line	Centerline-Proposed		
Clearing Limit Line	Travelway-Existing		
Railroad	Travelway-Proposed		
Boring	Probe		
Pavement Core			
Test Pit			

INDEX OF SHEETS

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TRAFFIC DATA

Current (2024) AADT	16580
Future (2044) AADT	18240
DHV - % of AADT	10
Design Hour Volume	1824
% Heavy Trucks (AADT)	8%
Directional Distribution (DHV)	58%
Design Speed (mph)	25
Functional Class	Other Principal Arterial
Corridor Priority	1

PROJECT LOCATION:

BEGINNING 0.16 OF A MILE NORTH OF EARLS WAY AND EXTENDING NORTH 0.04 OF A MILE AND CONTINUING NORTH ON 102A FOR 0.06 OF A MILE.

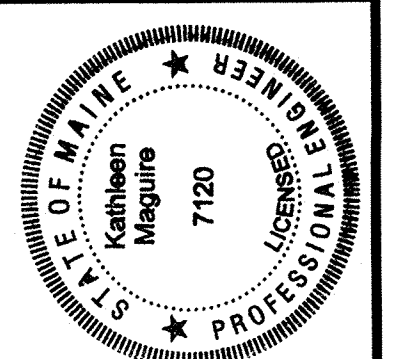
PROGRAM AREA:

HIGHWAY PROGRAM

SCOPE OF WORK:

SLOPE STABILIZATION

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
		11-2-2023
COMMISSIONER: <i>[Signature]</i>		
CHIEF ENGINEER: <i>[Signature]</i>		



SIGNATURE	P.E. NUMBER	DATE
<i>[Signature]</i>	7120	10/23/23

PROJECT INFORMATION	PROGRAM	PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
HIGHWAY PROGRAM	RHODE MOLLTON	CLARK SULLOWAY/MAT. MAGUIRE					

TREMONT ROUTE 102A TITLE SHEET

SHEET NUMBER
1
OF 17

WIN 23020.00 FEDERAL PROJECT NO. 2302000

Date:10/25/2023

Username: Clark.E.Sullivan

Division: HIGHWAY

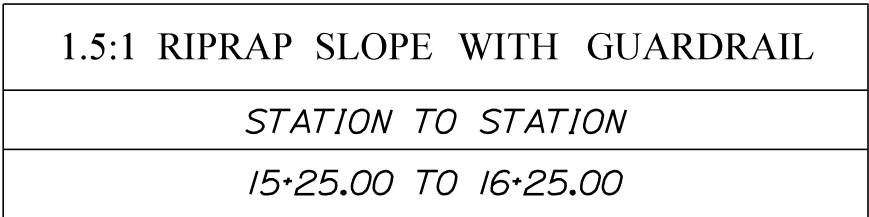
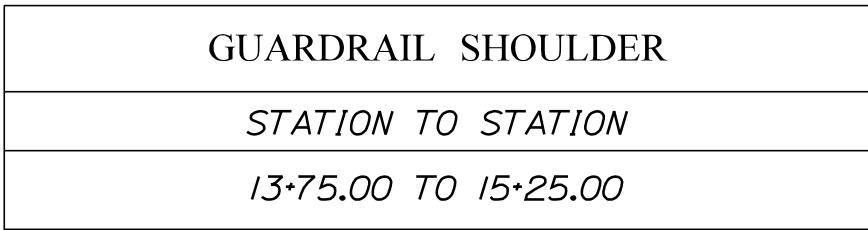
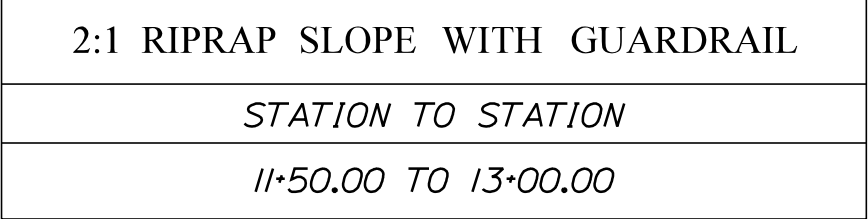
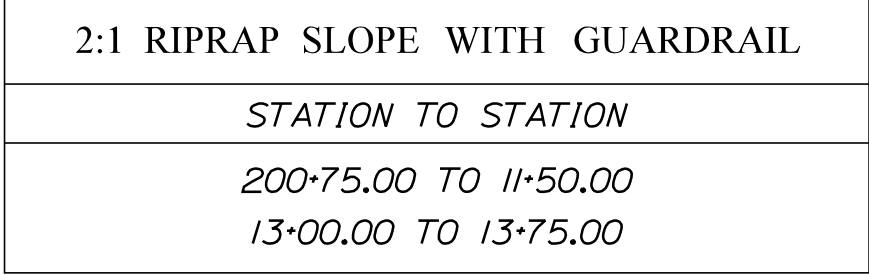
Filename: ...00\HIGHWAY\MSTA\001_Title.dgn

Date:11/8/2023

Username: Clark.E.Sulloway

Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA\002_Typical.dgn



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 ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

5. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.

6. EXISTING GRAVEL WILL BE REGRADED WITH APPLICABLE RENTAL ITEMS. TYPE "C" GRAVEL WILL BE ADDED IN VARIABLE GRAVEL AREAS OR AS DIRECTED.

OF 17

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

023020.00

WIN
023020.00

SIGNATURE

P.E. NUMBER

DATE _____

DESIGN-DETAILED	K.MAGUIRE	C.SULLOWAY	JAN 2023
CHECKED-REVIEWED			
DESIGN2-DETAILED2			

DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	

REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

TREMONT
ROUTE 102A

TYPICAL SECTIONS

SHEET NUMBER

2

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.23	REMOVING SINGLE TREE TOP ONLY	5	EA
201.24	REMOVING STUMP	5	EA
202.202	REMOVING PAVEMENT SURFACE	100	SY
203.20	COMMON EXCAVATION	370	CY
203.23	DISPOSAL OF SPECIAL WASTE	900	TON
304.10	AGGREGATE SUBBASE COURSE – GRAVEL	390	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	100	TON
403.209	HOT MIX ASPHALT 12.5 MM (INCIDENTALS)	2	TON
403.211	HOT MIX ASPHALT (SHIM)	25	TON
409.15	BITUMINOUS TACK COAT – APPLIED	35	GAL
603.159	12 INCH CULVERT PIPE OPTION III	8	LF
603.219	36 INCH CULVERT PIPE OPTION III	12	LF
604.182	CLEAN EXISTING C.B. AND MANHOLE	1	EA
606.1301	31 INCH W BEAM GUARDRAIL – MID-WAY SPLICE	581.25	LF
606.1303	31 INCH W BEAM GUARDRAIL – MID-WAY SPLICE – 15' RADIUS AND LESS	50	LF
606.1306	31 INCH W BEAM GUARDRAIL – MID-WAY SPLICE – TANGENT TERMINAL	4	EA
606.265	TERMINAL END – SINGLE RAIL – GALVINIZED STEEL	2	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	12	EA
610.16	HEAVY RIPRAP	2,070	CY
615.07	LOAM	35	CY
618.143	SPECIAL SEED MIX: TREMONT GUARDRAIL SHORE MIX	5	UN
618.146	SEEDING HYDROMULCH GROWTH MEDIA	5	UN
620.58	EROSION CONTROL GEOTEXTILE	1,555	SY
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	800	LF
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.172	TRUCK – LARGE (INLCUDING OPERATOR)	20	HR
631.32	CULVERT CLEANER (INC OPERATOR)	10	HR
639.19	FIELD OFFICE TYPE B	1	EA
652.33	DRUM	20	EA
652.34	CONE	40	EA
652.35	CONSTRUCTION SIGNS	320	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	60	CD
652.38	FLAGGER	1,500	HR
656.75	TEMPORARY SOIL EROSION AND POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

EARTHWORK SUMMARY			
<u>COMMON EXCAVATION FOR ESTIMATE</u>			
COMMON EXCAVATION (FROM MODEL OR PLANS)	362.8		
TOTAL COMMON EXCAVATION		362.8	
<u>FILL FOR BORROW CALCULATIONS</u>			
COMMON FILL (FROM MODEL OR PLANS)	59.3		
TOTAL FILL		59.3	
<u>ROCK EXCAVATION FOR ESTIMATE</u>			
ROCK EXCAVATION (FROM CROSS SECTIONS)	0		
TOTAL ROCK EXCAVATION		0	
<u>AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS</u>			
TOTAL DEDUCTIONS		0	
TOTAL AVAILABLE COMMON EXCAVATION (-) TOTAL DEDUCTIONS		362.8	
TOTAL AVAILABLE STRUCTURAL EXCAVATION (UNDERDRAIN ONLY)		0	
RIPRAP EXCAVATION		1358.1	
SPECIAL WASTE TO BE DISPOSED		-600	
TOTAL AVAILABLE NON-ROCK EXCAVATION		1120.9	
<u>COMPUTATION OF WASTE STORAGE & WASTE MATERIAL</u>			
TOTAL AVAILABLE WASTE STORAGE AREA (FROM CROSS SECTIONS)		0	
TOTAL WASTE MATERIAL		0	
TOTAL WASTE MATERIAL TO BE UTILIZED*		0	
TOTAL WASTE MATERIAL TO BE WASTED		0	
<u>COMPUTATION FOR SURPLUS MATERIAL OR COMMON BORROW FOR ESTIMATE</u>			
TOTAL AVAILABLE NON-ROCK EXCAVATION	1120.9 x 0.90	=	1008.81
TOTAL AVAILABLE ROCK EXCAVATION	0 x 1.30	=	0
TOTAL AVAILABLE STRUCTURAL ROCK EXCAVATION	0 x 1.30	=	0
TOTAL WASTE MATERIAL TO BE UTILIZED	0 x 0.90	=	0
TOTAL AVAILABLE EXCAVATION		1009	
BORROW NEEDED = TOTAL FILL (-) TOTAL AVAILABLE EXCAVATION		0	
IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION (-) TOTAL FILL, (+)			
TOTAL WASTE MATERIAL TO BE WASTED		950	
SURPLUS MATERIAL		950 CY	
SPECIAL WASTE		600 CY	
GRANULAR BORROW IN LOW WET AREAS		0	
GRANULAR BORROW TO MAINTAIN TRAFFIC		0	
BORROW NEEDED (-) REQUIRED GRANULAR BORROW WITHIN FILL		0	
COMMON BORROW		0 CY	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

023020.00

WIN
023020.00
HIGHWAY PLANS

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

BY
C.SULLOWAY
JAN 2023

DATE
JAN 2023

SIGNATURE

P.E. NUMBER

DATE

TREMONT
ROUTE 102A

ESTIMATED QUANTITIES/
EARTHWORK SUMMARY

SHEET NUMBER
3
OF 17

GENERAL NOTES

- 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.
- 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.
- PRIOR TO REMOVING ANY PAVEMENT OR PLACING ANY 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.
- ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.
- THE CONTRACTOR SHALL PLAN AND CONDUCT WORK SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF THE SHOULDER PAVEMENT.
- DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE FILL SIDE SLOPES WITHOUT GUARDRAIL UNLESS OTHERWISE NOTED ON THE PLANS.
- 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.
- GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR 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.
- 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.
- GRASS ENTRANCES SHALL BE CONSTRUCTED WITH 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 2 INCHES OF LOAM, SEEDED & MULCHED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
- A 3-FOOT PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
- ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS. THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.
- PRIOR TO SURFACE PAVING, EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER STANDARD SPECIFICATIONS ITEM 631.32, CULVERT CLEANER (INCLUDING OPERATOR).
- EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE RESIDENT UNDER THE APPROPRIATE PAY ITEMS.
- NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
- INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
- THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTH-LINED PIPES.
- 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.
- GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.
- ALL EXISTING GUARDRAIL REMOVED AND NOT REUSED ON THE PROJECT WILL BECOME THE PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.
- TWO REFLECTORIZED FLEXIBLE GUARDRAIL MARKERS (STANDARD SPECIFICATIONS ITEM 606.353, REFLECTORIZED FLEXIBLE GUARDRAIL MARKER) WILL BE INSTALLED AT EACH GUARDRAIL END.
- 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.
- 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.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 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.
- 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.
- THE PROJECT GEOTECHNICAL REPORT TITLED GEOTECHNICAL DESIGN REPORT FOR SLOPE STABILIZATION ON ROUTE 102a AND SHORE ROAD, SOILS REPORT 2023-30, DATED OCTOBER 25, 2023 CAN BE ACCESSED AT THE MAINEDOT WEBSITE [HTTP://WWW.MAINE.GOV/CONTRACTORS/](http://www.maine.gov/contractors/). [HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/](http://www.maine.gov/mdot/contractors/).

GENERAL NOTES

- 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.
- AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
- 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.
- “UNDETERMINED LOCATIONS” SHALL BE DETERMINED BY THE RESIDENT.
- 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.
- THE CONTRACTOR WILL PLACE APPROPRIATELY-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). APPROPRIATELY-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 PLACED BEFORE PAVING CAN COMMENCE.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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DRIVES AND ENTRANCES

LOCATION	TYPE
STA. 14+50.00, LT.	GRASSED

ITEM 201.23 - REMOVING SINGLE TREE - TOP ONLY

ITEM 201.24 - REMOVING STUMP

LOCATION	DESCRIPTION
STA. 200+56.02, 23.56' LT.	12" DEAD
STA. 200+56.91, 17.83' LT.	14" FIR
STA. 200+57.32, 22.19' LT.	16" BIRCH TWIN
STA. 201+00.39, 14.04' LT.	18" SPRUCE
STA. 300+16.81. 8.43' LT.	24" DEAD

ITEM 603.159 12" CULVERT PIPE OPTION III

LOCATION	LENGTH (FT)
STA. 14+41.84, 33.8' RT. TO STA. 14+70.48, 48.5' RT.	8
CONNECT TO EXISTING PIPE	

ITEM 603.219 36" CULVERT PIPE OPTION III

LOCATION	LENGTH (FT)
STA. 14+41.84, 33.8' RT. TO STA. 14+70.48, 48.5' RT.	12
CONNECT TO EXISTING STONE BOX WILL BE A POSITIVE MECHANICAL CONNECTION INCLUDING BUT NOT LIMITED TO, A CAST IN PLACE CONCRETE COLLAR (INCIDENTAL) (8' EXTENSION, 4' INSIDE BOX)	

ITEM 606.1301 - 31" W-BEAM GUARDRAIL -

MID-WAY SPLICE SINGLE FACED

LOCATION	LENGTH (FT)	QUANTITY (BEAMS)
STA. 201+12.96, TO STA. 12+96.23, 14.0' LT.	331.25	26.5
STA. 13+55.00, TO STA. 14+23.83, 14.0' LT.	68.75	5.5
STA. 14+71.51, TO STA. 16+50.89, 14.0' LT.	181.25	14.5

ITEM 606.1303 - 31" W-BEAM GUARDRAIL -

MID-WAY SPLICE, 15' RADIUS AND LESS

LOCATION	LENGTH (FT)	QUANTITY (BEAMS)
STA. 14+23.83, 14.0' LT.	25	2
STA. 14+71.54, 14.0' LT.	25	2

ITEM 606.1306 - 31" W-BEAM GUARDRAIL -

MID-WAY SPLICE, TANGENT TERMINAL

INSTALL TEST LEVEL 2 TERMINALS WITH 1' OFFSET

LOCATION	QUANTITY (EACH)
STA. 200+62.24, 14.0' LT.	1
STA. 12+96.23, 14.0' LT.	1
STA. 13+55.00, 14.0' LT.	1
STA. 16+50.89, 14.0' LT.	1

ITEM 606.353 - REFLECTORIZED

FLEXIBLE GUARDRAIL MARKER

LOCATION	QUANTITY (EACH)
STA. 200+62.24, 14.0' LT.	2
STA. 12+96.23, 14.0' LT.	2
STA. 13+55.00, 14.0' LT.	2
STA. 14+23.83, 14.0' LT.	2
STA. 14+71.54, 14.0' LT.	2
STA. 16+50.89, 14.0' LT.	2

ITEM 616.08 - HEAVY RIPRAP

RIPRAP SLOPES	QUANTITY (CY)
STA. 200+43.93, LT. TO STA. 13+90.52, RT.	1732
STA. 15+00.00, LT. TO STA. 16+35.20, LT.	337

TREMONT
ROUTE 102A

CONSTRUCTION NOTES

SHEET NUMBER

5

OF 17

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

023020.00

WIN

023020.00

HIGHWAY PLANS

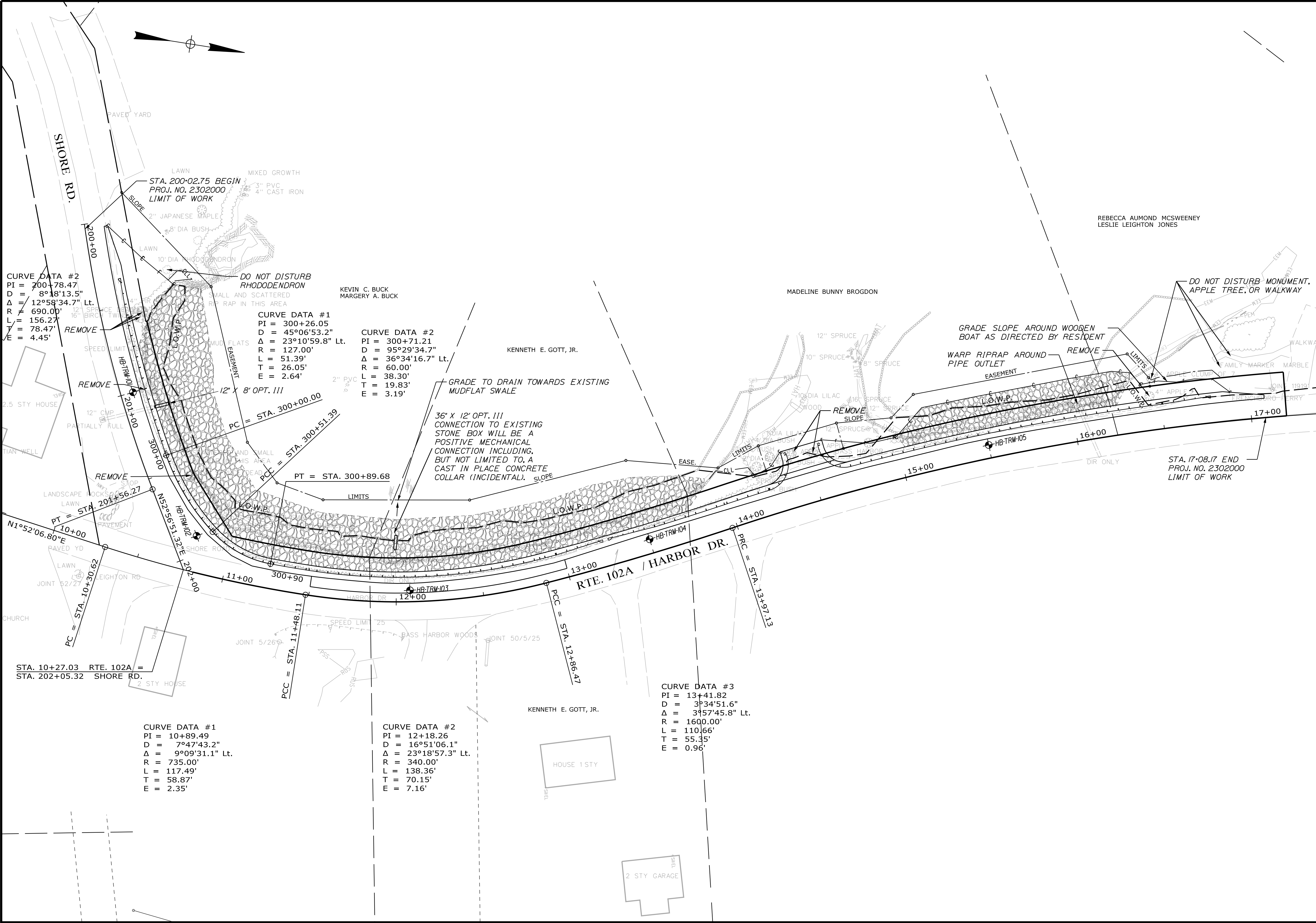
PROJ. MANAGER	RHODE	MOULTON	BY	DATE
DESIGN-DETAILED	K. MAGUIRE	C. SULLOWAY	JAN 2023	
CHECKED-REVIEWED				SIGNATURE
DESIGN-DETAILED2				P.E. NUMBER
REVISIONS 1				DATE
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

Date:11/8/2023

Username: Clark E.Sullivan

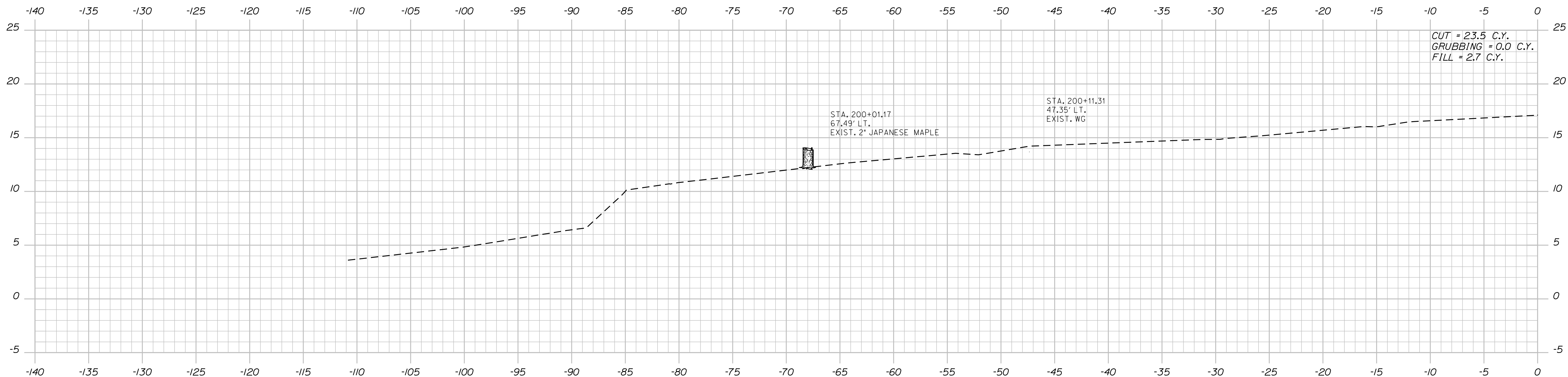
Division: HIGHWAY

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STATE OF MAINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Sta. 200+00.00 to Sta. 200+50.00

HIGHWAY PLANS

DATE _____

REVISIONS 3		
REVISIONS 4		

CROSS SECTIONS

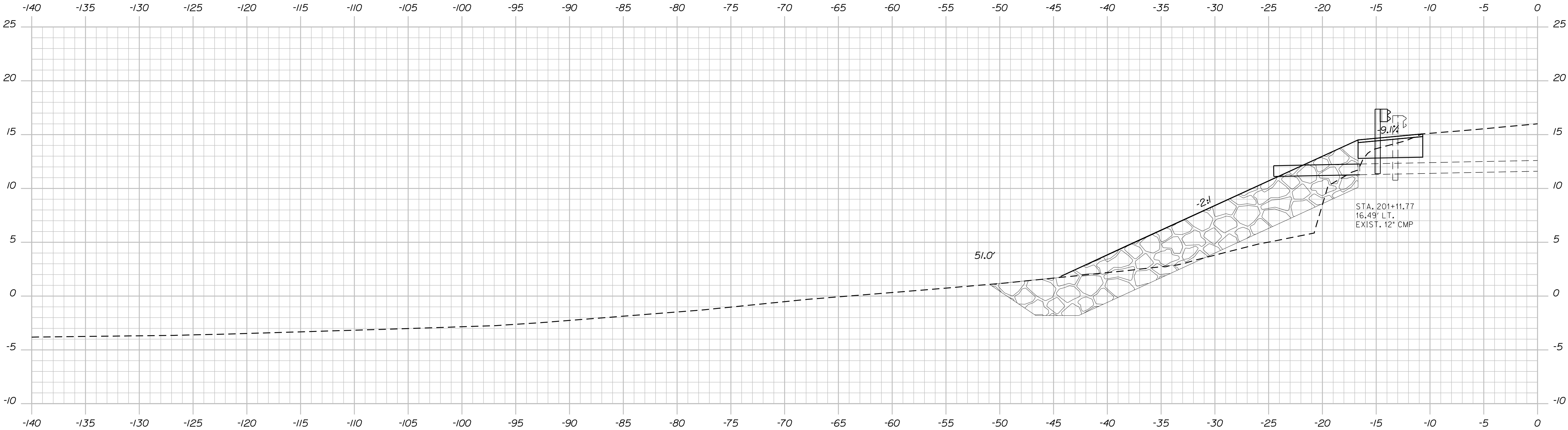
OF 17

Date:11/8/2023

Username: Clark.E.Sullivan

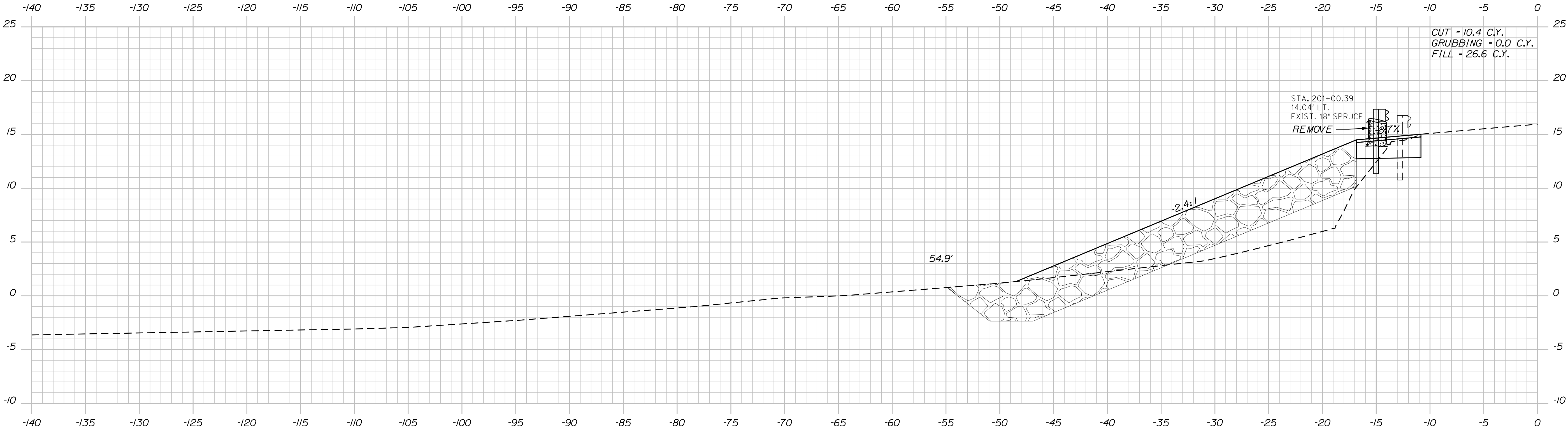
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201+10.78 (SKEWED)

STA. 201+12.96, 35.3' LT.
 INSTALL 12" X 8' CULV. PIPE OPT. III
 CONNECT TO EXISTING PIPE



201+00.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		
	023020.00	
	WIN	023020.00

PROJ. MANAGER RHOBE MOULTON	BY	DATE
	C.SULLOWAY	JAN 2023
DESIGN-DETAILED	CHECKED-REVIEWED	SIGNATURE
	DESIGN-DETAILED	P.E. NUMBER
REVISIONS 1	REVISIONS 2	DATE
	REVISIONS 3	
REVISIONS 4	FIELD CHANGES	

TREMONT ROUTE 102A	CROSS SECTIONS
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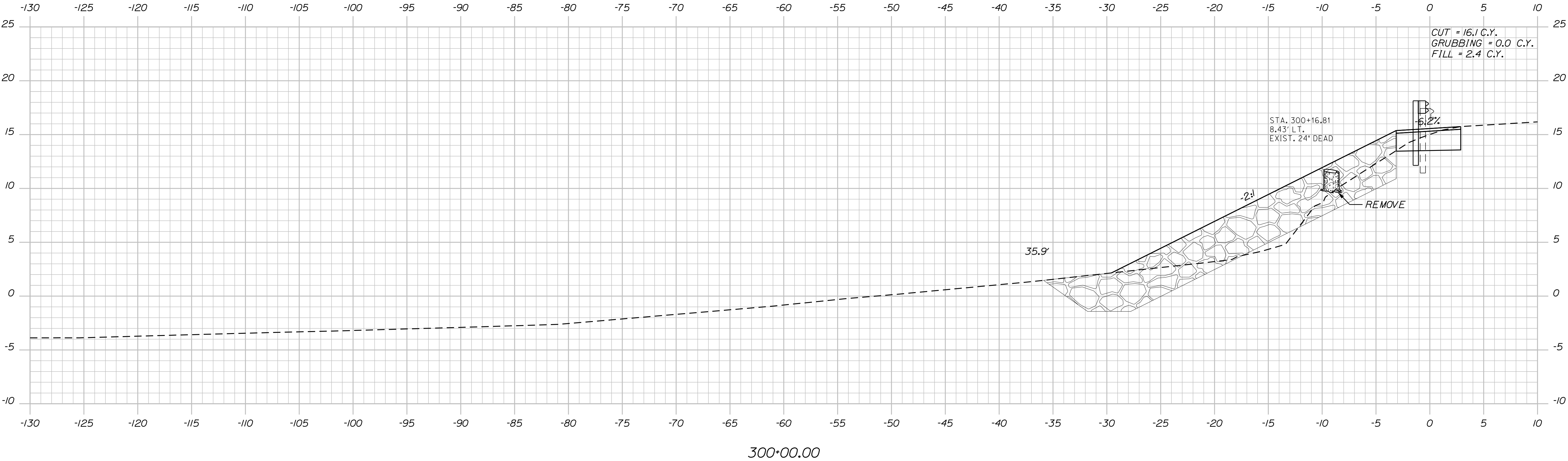
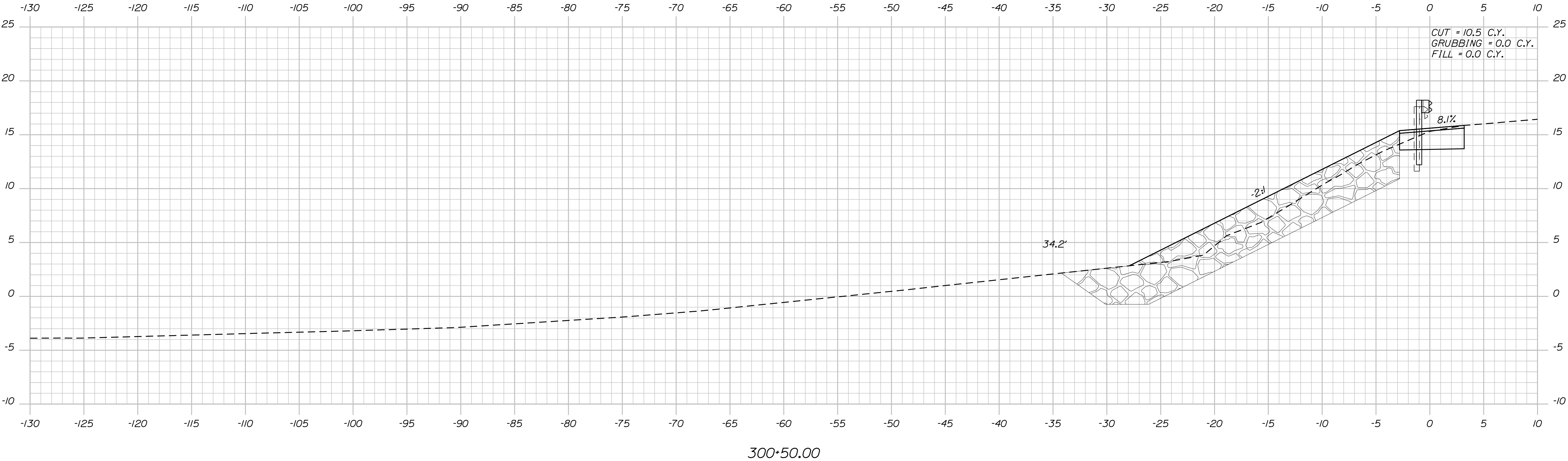
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	OF 17

Date:11/8/2023

Username: Clark.E.Sullivan

Division: HIGHWAY

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STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
023020.00	
WIN	023020.00
HIGHWAY PLANS	

PROJ. MANAGER	BY	DATE
RHOE	C. SULLOWAY	JAN 2023
DESIGNED-DETAILED	K. MAGUIRE	
CHECKED-REVIEWED		
DESIGNED-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

TREMONT	
ROUTE 102A	
CROSS SECTIONS	

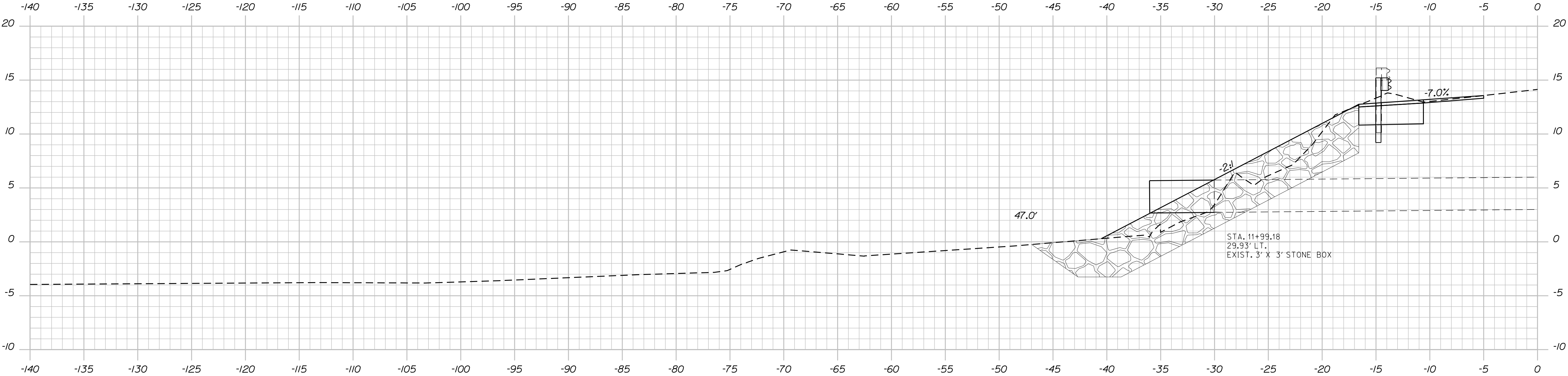
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OF 17

Date:11/8/2023

Username: Clark.E.Sullivan

Division: HIGHWAY

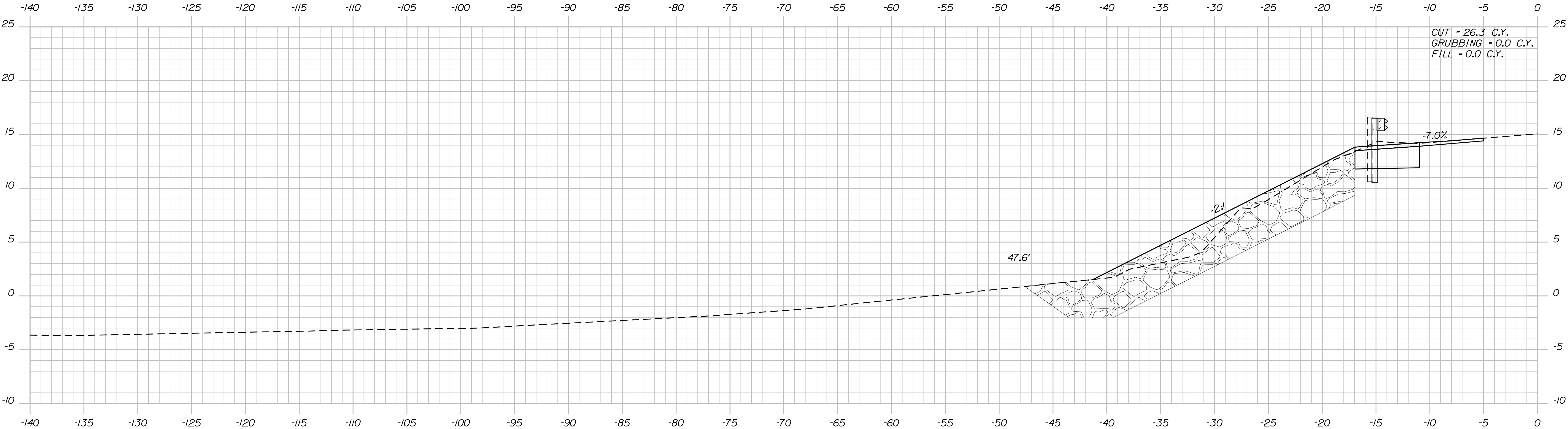
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11+96.87

STA. 11+99.18, 29.9' LT.
 INSTALL 36" X 6' CULV. PIPE OPT. III
 CONNECT TO EXISTING BOX (INCIDENTAL)

CUT = 26.3 C.Y.
 GRUBBING = 0.0 C.Y.
 FILL = 0.0 C.Y.



11+50.00

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
023020.00	
WIN	023020.00
HIGHWAY PLANS	

PROJ. MANAGER	RHODE	MOULTON	BY	DATE
CHECKED-DETAILED	K. MAGUIRE			C. SULLOWAY JAN 2023
DESIGNED-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				
SIGNATURE				
P.E. NUMBER				
DATE				

TREMONT	ROUTE 102A	CROSS SECTIONS
ROUTE 102A		

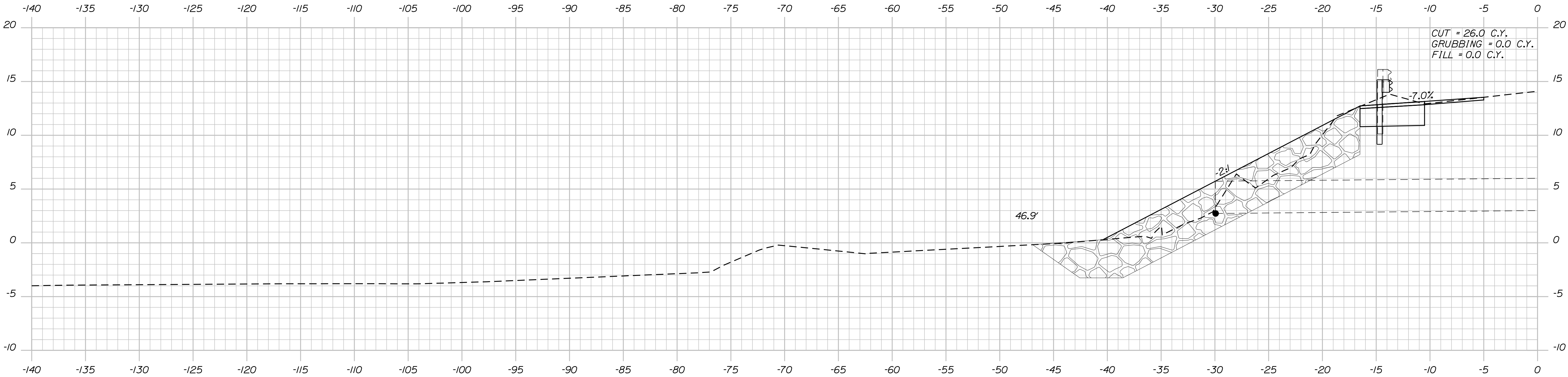
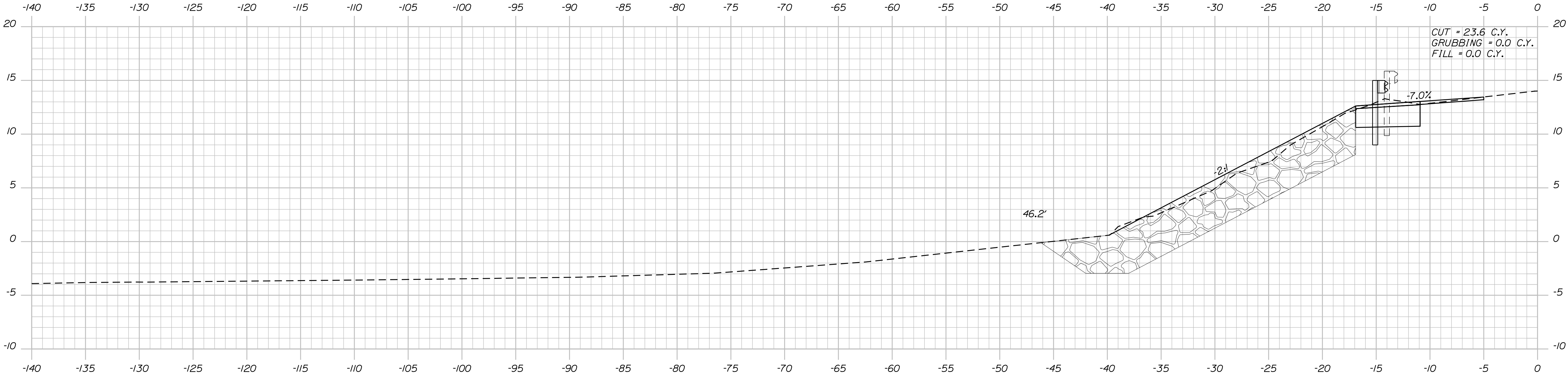
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OF 17

Date:11/8/2023

Username: Clark.E.Sullivan

Division: HIGHWAY

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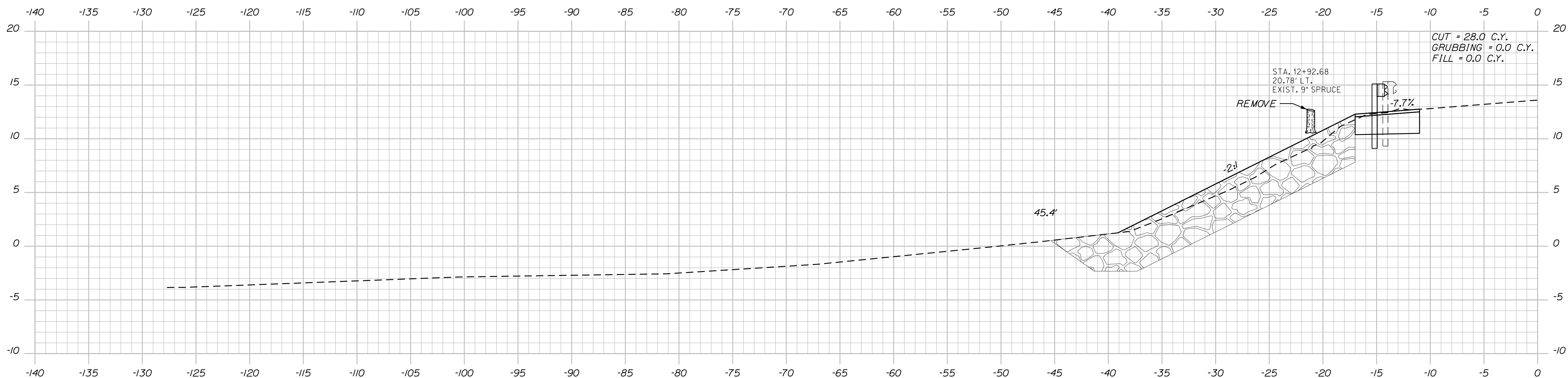
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
023020.00	
WIN	023020.00
HIGHWAY PLANS	

PROJ. MANAGER	RHODE	MOULTON	BY	DATE
CHECKED-DETAILED	K. MAGUIRE			C. SULLOWAY, JAN 2023
DESIGNS-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				
SIGNATURE		P.E. NUMBER		
DATE				

TREMONT	ROUTE 102A
CROSS SECTIONS	

SHEET NUMBER
11
OF 17

Filename: ... \MSTA\012_XSECT_13+00_003.dgn



STA. 12+96.23, 14.0' LT.
INSTALL 3" W-BEAM GUARDRAIL
MID-WAY SPLICE LEVEL 2 TANGENT TERMINAL

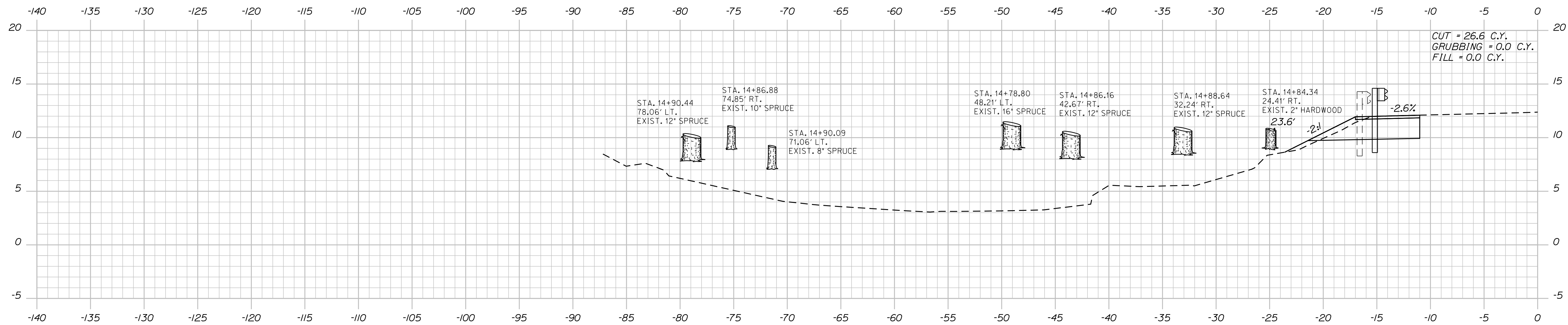
Sta. 13+00.00 to Sta. 13+50.00

PROJ. MANAGER	RHODE	MOULTON	BY	DATE
			C. SULLOWAY	JAN. 2023
DESIGNED-DETAILED	K. MACQUIRE			
DESIGNED-REVIEWED				
DESIGNED-DETAILED2				
DESIGNED-DETAILED3				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SHEET NUMBER

12

OF 17



15+00.00

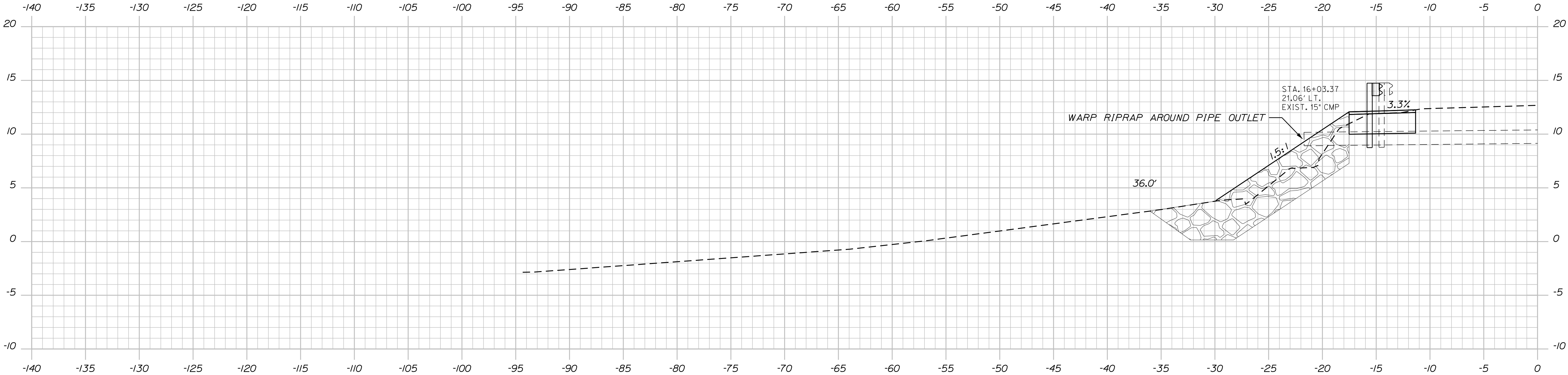
Sta. 15+00.00 to Sta. 15+50.00

Date:11/8/2023

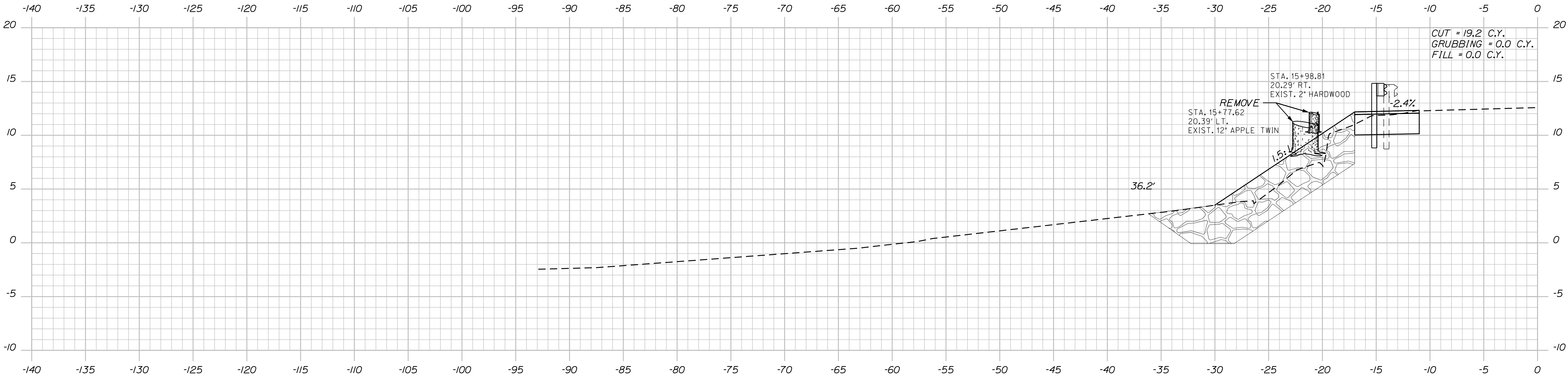
Username: Clark.E.Sullivan

Division: HIGHWAY

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16+08.58 (SKEWED)



16+00.00

PROJ. MANAGER	RHODE	MOULTON	BY	DATE
CHECKED-DETAILED	K. MAGUIRE		C. SULLOWAY	JAN 2023
DESIGN-DETAILED				
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

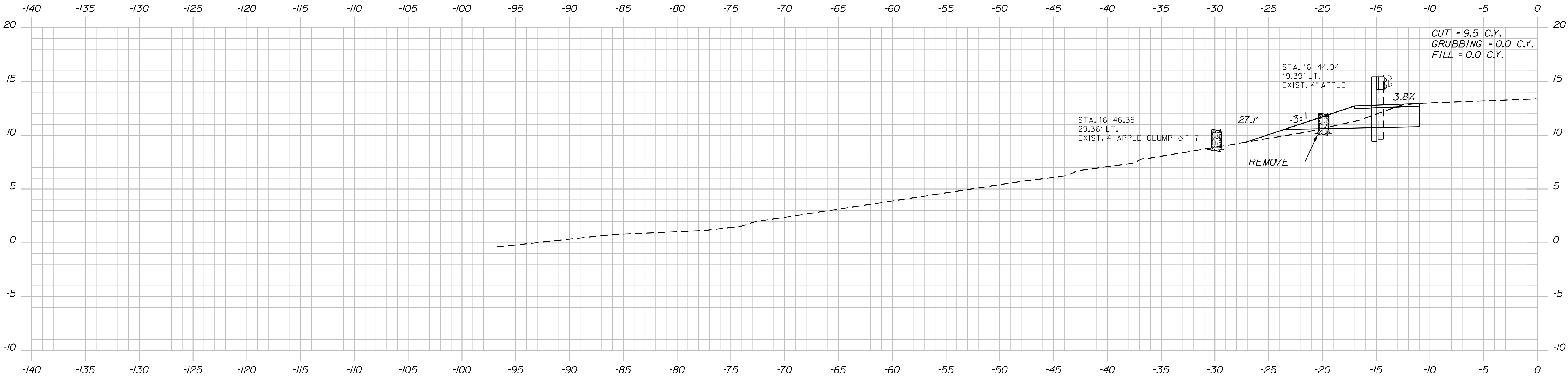
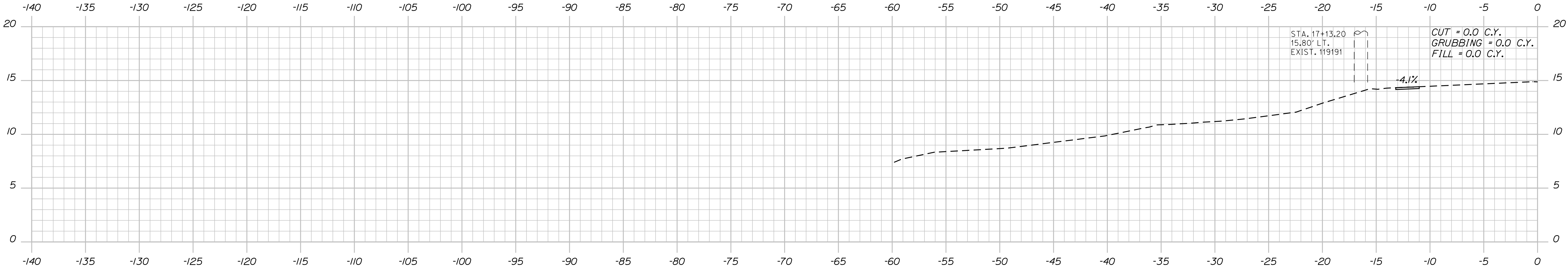
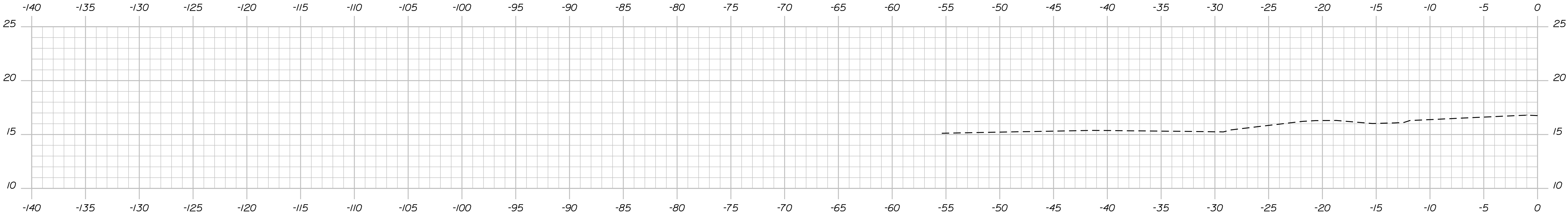
SIGNATURE

P.E. NUMBER

DATE

TREMONT
ROUTE 102A

CROSS SECTIONS



PROJ. MANAGER	RHODE	MOULTON	BY	DATE
CHECKED-DETAILED	K. MAGUIRE	C. SULLOWAY	JAN 2023	
DESIGN-DETAILED				SIGNATURE
DESIGN-DETAILED				P.E. NUMBER
REVISIONS 1				DATE
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

TREMONT
ROUTE 102A

CROSS SECTIONS

Date: \$date\$

Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$

