

STATE OF MAINE DEPARTMENT OF TRANSPORTATION

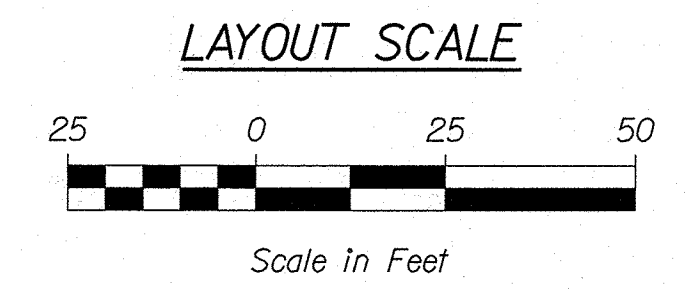
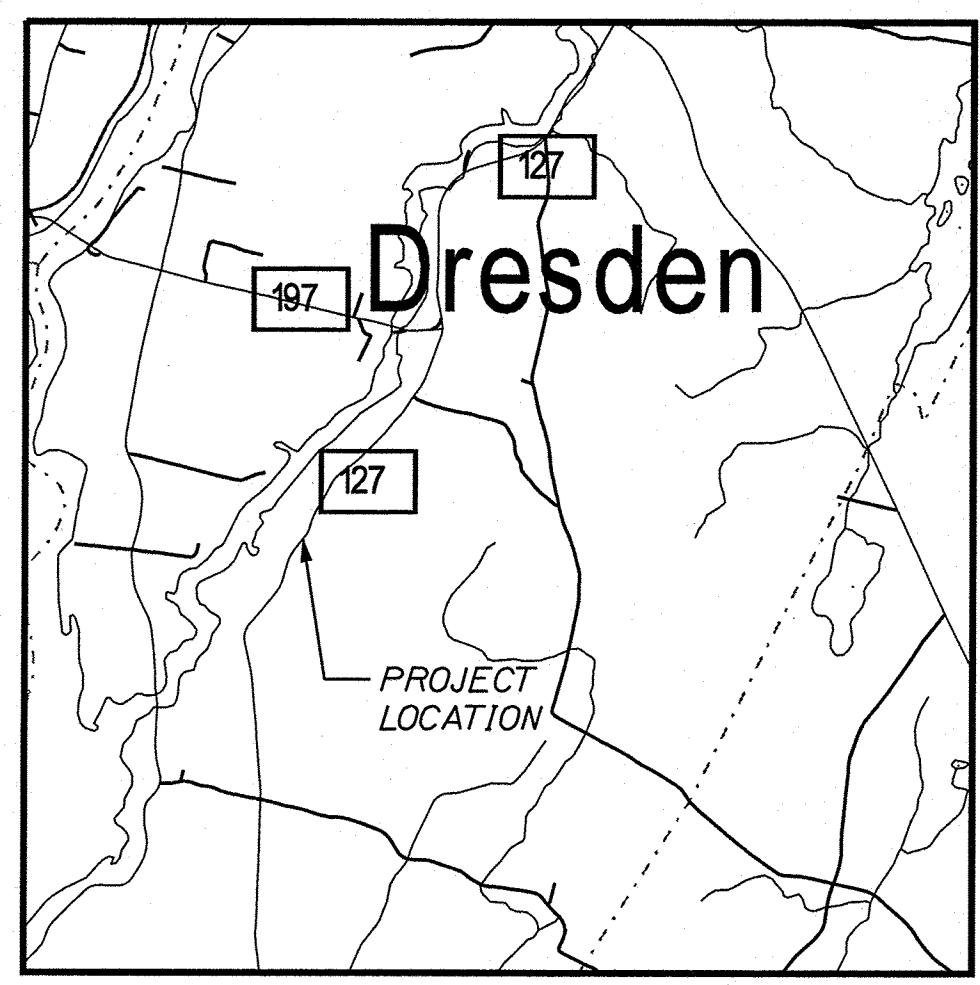
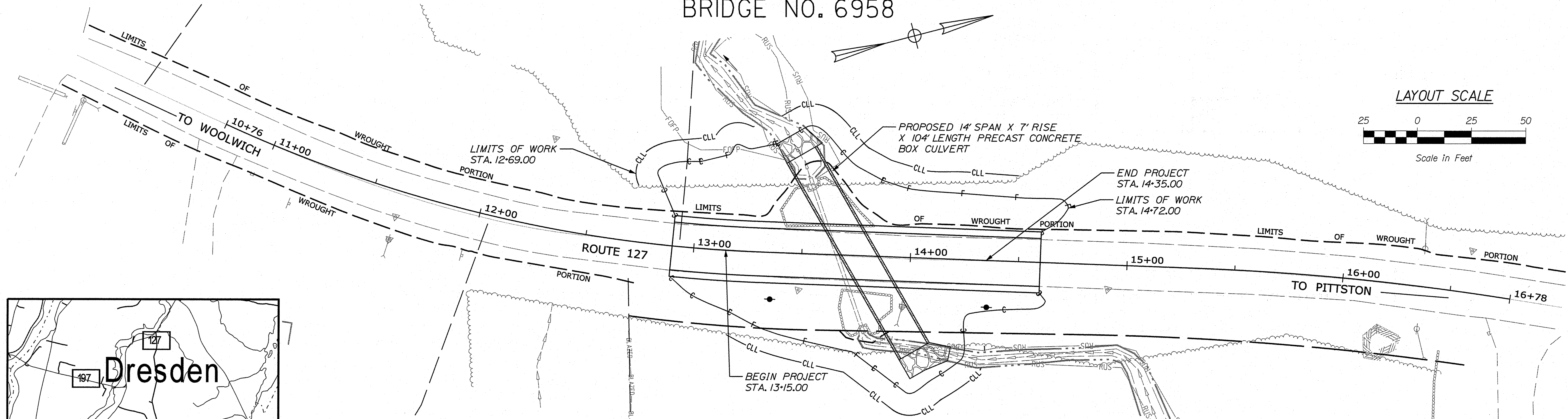


DRESDEN LINCOLN COUNTY MARINO WAY BRIDGE ROUTE 127

STATE PROJECT NO. 22421.00
PROJECT LENGTH : 0.02 MILES
BRIDGE NO. 6958

PLAN LEGEND	
Town, County, State	-----
Property Lines	-----
R/W Lines-Existing	-----
R/W Lines-Proposed	-----
Culvert-Existing	-----
Culvert Proposed	-----
Curbing	Existing Proposed
Type 1	-----
Type 3	-----
Type 5	-----
Outline of Bodies of Water	-----
Exposed Bedrock	-----
Buildings	-----
Trees	Conifer Deciduous
Tree Line	-----
Clearing Limit Line	-----
Railroad	-----
Catch Basins	Existing Proposed
Manholes	Existing Proposed
Proposed Underdrain	-----
Proposed Ditch	-----
Existing Ditch	-----
Utility Poles	Existing Proposed
Fire Hydrants	Existing Proposed
Existing Water Line	-----
Existing San. Sewer	-----
Existing San. Sewer Manhole	-----
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, Typical Section and Estimated Quantities	2
Special Detail - Precast Box Culvert	3
Boring Location Plan and Interpretive Subsurface Profile With Boring Logs	4
Plan and Profile	5
Cross Sections	6-11
Right of Way Map	12



TRAFFIC DATA	
Current (2020) AADT	1,550
Future (2032) AADT	1,640
DHV - % of AADT	14%
Design Hour Volume	230
% Heavy Trucks (AADT)	9%
Directional Distribution (DHV)	72%
Design Speed (mph)	45
Functional Class	Minor Collector
Corridor Priority	4

PROJECT LOCATION:	LOCATED ON ROUTE 127 APPROXIMATELY 1.3 MILES SOUTH OF THE INTERSECTION OF ROUTE 127 AND ROUTE 197
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	LARGE CULVERT REPLACEMENT

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	<i>[Signature]</i>	3-24-21
COMMISSIONER:	CHIEF ENGINEER:	3-19-2021

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE	P.E. NUMBER	DATE
<i>[Signature]</i>	8580	3/12/2021	
DESIGNER:	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
SHANE KELLY	SEBAGO TECHNICS, INC.		

PROGRAM	BRIAN REEVES
DESIGNER	SHANE KELLY
CONSULTANT	SEBAGO TECHNICS, INC.
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

DRESDEN
ROUTE 127
TITLE SHEET

SHEET NUMBER
1
OF 12

Date: 12/11/2020

Username: skelly

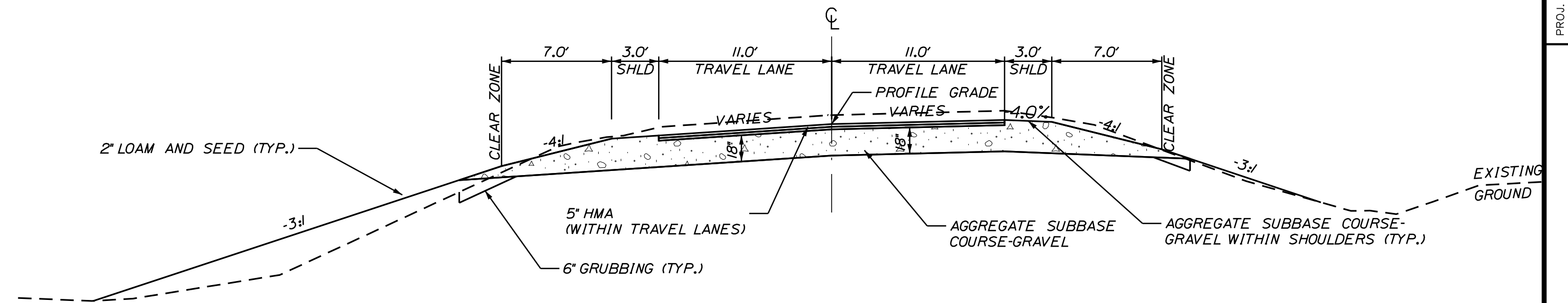
Division: HIGHWAY

Filename: ... \MST\A\Sheets\001_TITLE.dgn

WIN 22421.00

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 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.
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 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 SPECIFICATION 703.19.
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. WHEN SUPER ELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE SHOULDER PAVEMENT WILL HAVE SAME SLOPE AS THE TRAVELED WAY.
10. CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
11. THE ALGEBRAIC DIFFERENCE BETWEEN TRAVELWAY AND SHOULDER CROSS SLOPE SHALL NOT EXCEED 8 PERCENT.
12. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
13. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLES OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
14. 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.
15. SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL AREAS.
16. 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.
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 CONSTRUCTION OF MARINO WAY BRIDGE", SOILS REPORT 2020-41, DECEMBER 18, 2020 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. MAINE DOT 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 ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
21. 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.
22. THE EXISTING CULVERT INDICATED ON THE PLANS SHALL BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR. REMOVAL OF THE EXISTING CULVERT SHALL BE CONSIDERED INCIDENTAL TO ITEM NO. 534.71.
23. STATIONS REFERENCED ARE APPROXIMATE.
24. 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.



TYPICAL FULL CONSTRUCTION SECTION
 STATION 13+15 TO 14+35
 NOT TO SCALE

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 022421.00
 WIN
 22421.00
 HIGHWAY PLANS

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

DATE
 11/30/20
 11/30/20

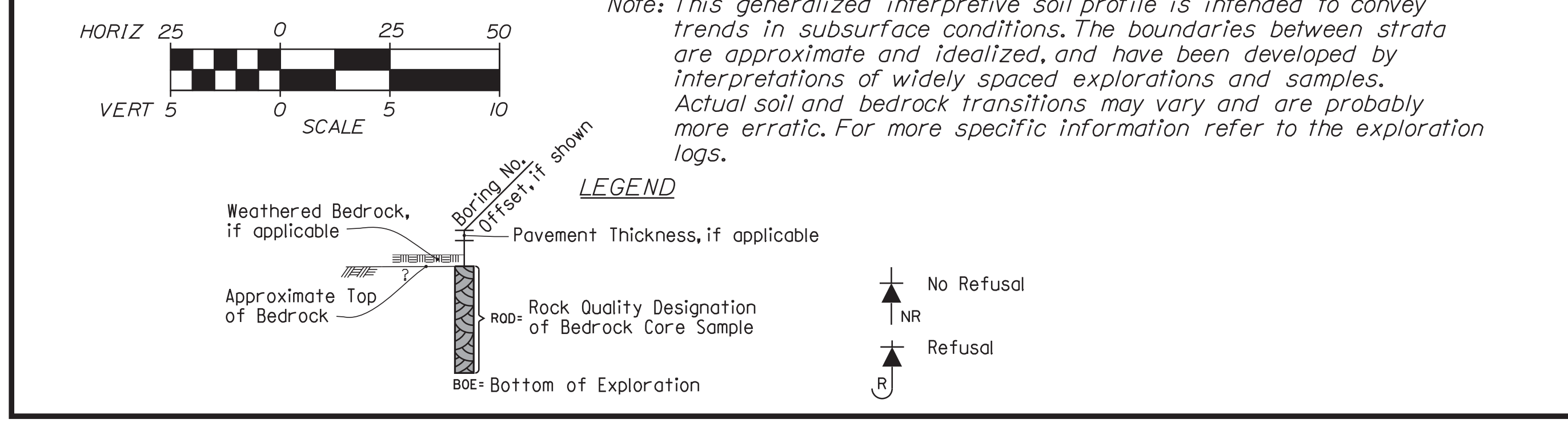
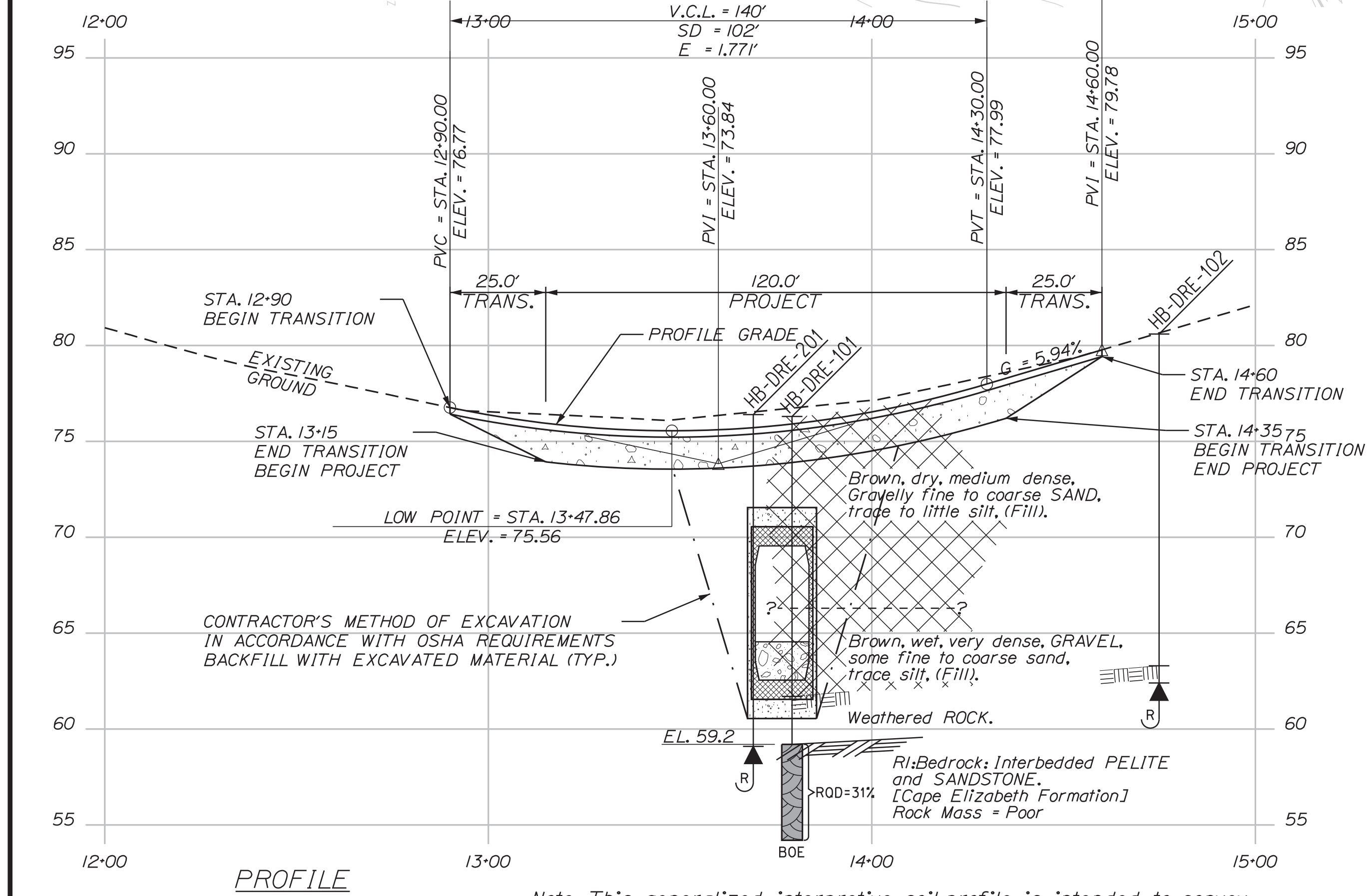
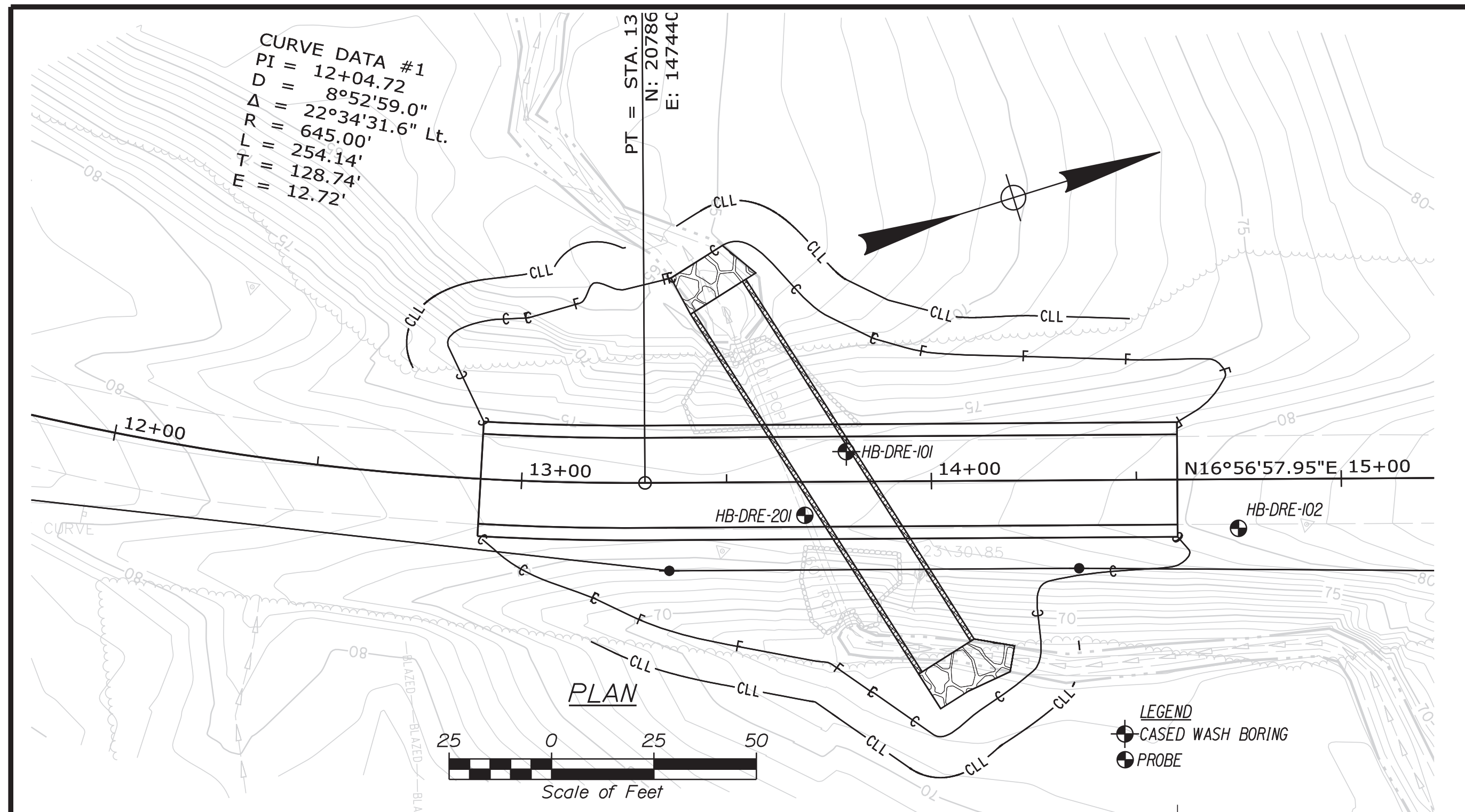
BY
 S. KELLY
 D. COOMBS

B. REVIEWS

SIGNATURE
 P.E. NUMBER
 DATE

DRESDEN
 ROUTE 127
 GENERAL NOTES, TYPICAL SECTION
 AND ESTIMATED QUANTITIES

SHEET NUMBER
 2
 OF 12



Maine Department of Transportation Soil/Borehole Exploration Log US CUSTOMARY UNITS		Project: Large Culvert Replacement on Route 127 Location: Dresden, Maine		Boring No.: HB-DRE-101 WIN: 22421.00	
Driller: MainedOT	Elevation (ft.): 76.5	Auger ID/OD: 5\"/>			

Maine Department of Transportation Soil/Borehole Exploration Log US CUSTOMARY UNITS		Project: Large Culvert Replacement on Route 127 Location: Dresden, Maine		Boring No.: HB-DRE-102 WIN: 22421.00	
Drilling Contractor: MainedOT	Elevation (ft.): 80.5	Auger ID/OD: 5\"/>			

Maine Department of Transportation Soil/Borehole Exploration Log US CUSTOMARY UNITS		Project: Large Culvert Replacement on Route 127 Location: Dresden, Maine		Boring No.: HB-DRE-201 WIN: 22421.00	
Drilling Contractor: MainedOT	Elevation (ft.): 76.5	Auger ID/OD: 5\"/>			

Maine Department of Transportation Soil/Borehole Exploration Log US CUSTOMARY UNITS		Project: Large Culvert Replacement on Route 127 Location: Dresden, Maine		Boring No.: HB-DRE-201 WIN: 22421.00	
Drilling Contractor: MainedOT	Elevation (ft.): 76.5	Auger ID/OD: 5\"/>			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

22421.00

WIN
22421.00

HIGHWAY PLANS

PROJ. MANAGER	DATE	BY
Cody A. Russell	AUG 2018	T. WHITE
CHECKED/REVIEWED	DESIGNED/DETAILS	DESIGNED/DETAILS
C. RUSSELL	C. RUSSELL	C. RUSSELL
REVISIONS 1	REVISIONS 2	REVISIONS 3
REVISIONS 4	REVISIONS 5	REVISIONS 6
FIELD CHANGES		

DRESDEN
ROUTE 127

BORING LOCATION PLAN &
INTERPRETIVE SUBSURFACE PROFILE
WITH BORING LOGS

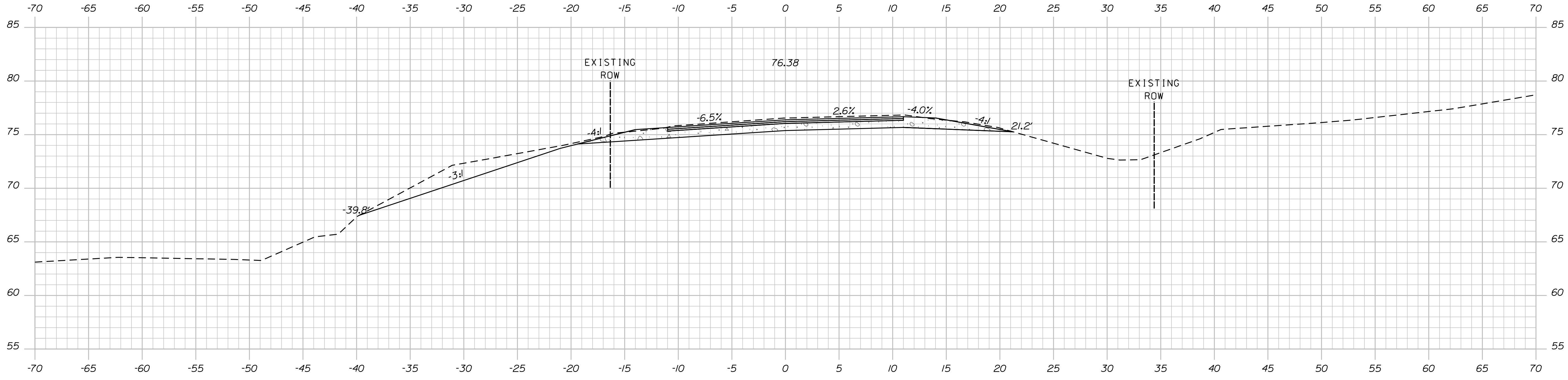
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OF 13

Date: 11/30/2020

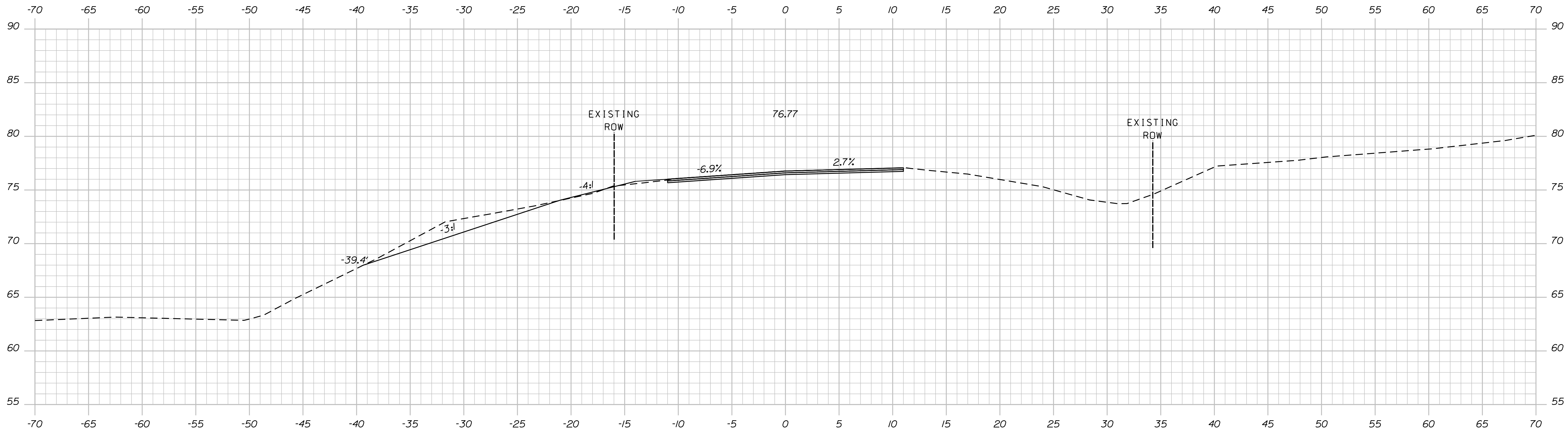
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Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA\Sheets\XSECT.dgn



13+00.00



12+90.00 (LIMIT OF WORK, MATCH EXISTING)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
022421.00
WIN
22421.00
HIGHWAY PLANS

DESIGNER: S. KELLY
CHECKED: D. COOMBS
DATE: 11/30/20
SIGNATURE: _____
P.E. NUMBER: _____
DATE: _____

PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	S. KELLY	11/30/20
CHECKED-REVIEWED	D. COOMBS	11/30/20
DESIGN-DETAILED		
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

DRESDEN
ROUTE 127
CROSS SECTIONS

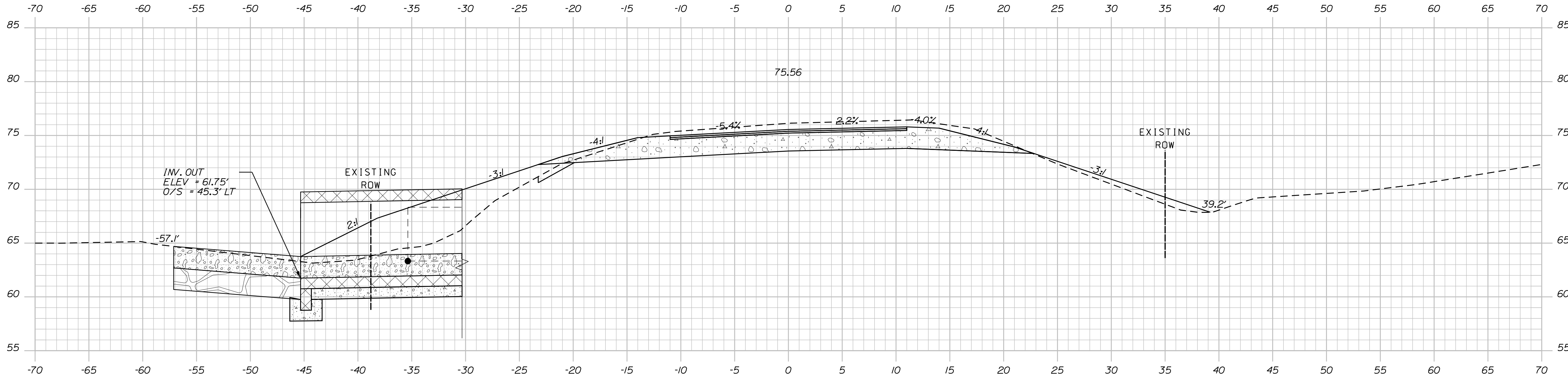
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OF 12

Date: 11/30/2020

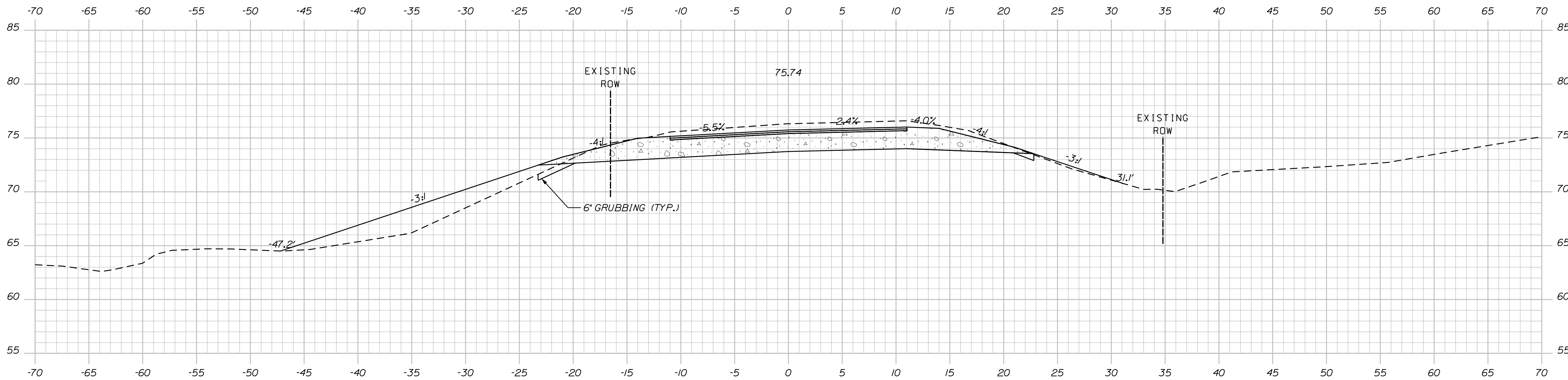
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Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA\Sheets\XSECT.dgn



13+48.26 (OUTLET LOCATION)



BEGIN PROJECT STA. 13+15.00 13+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
022421.00
WIN 22421.00
HIGHWAY PLANS

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

DATE	11/30/20
BY	S. KELLY D. COOMBS
SIGNATURE	
P.E. NUMBER	
DATE	

DRESDEN
ROUTE 127
CROSS SECTIONS

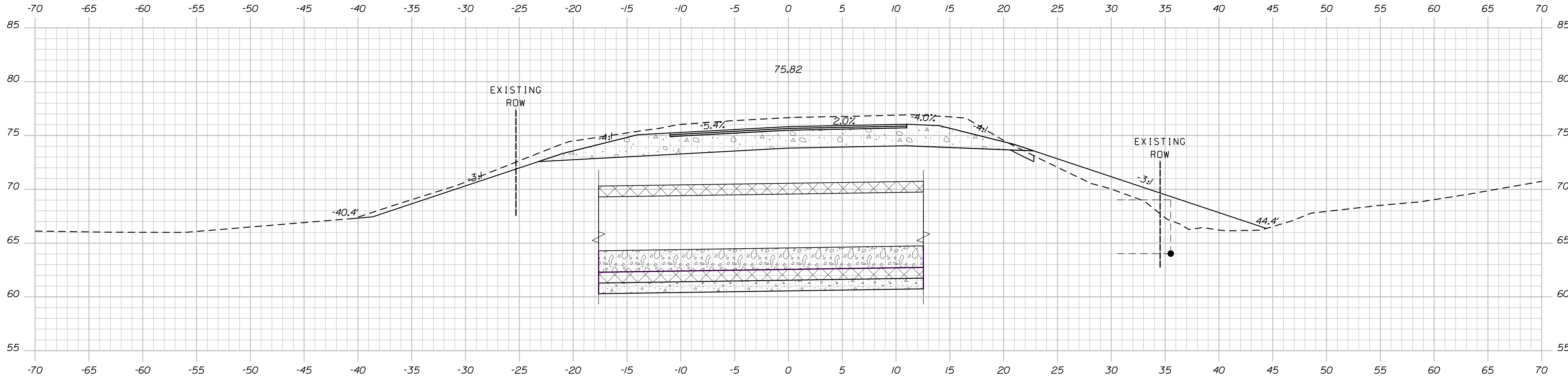
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OF 12

Date: 11/30/2020

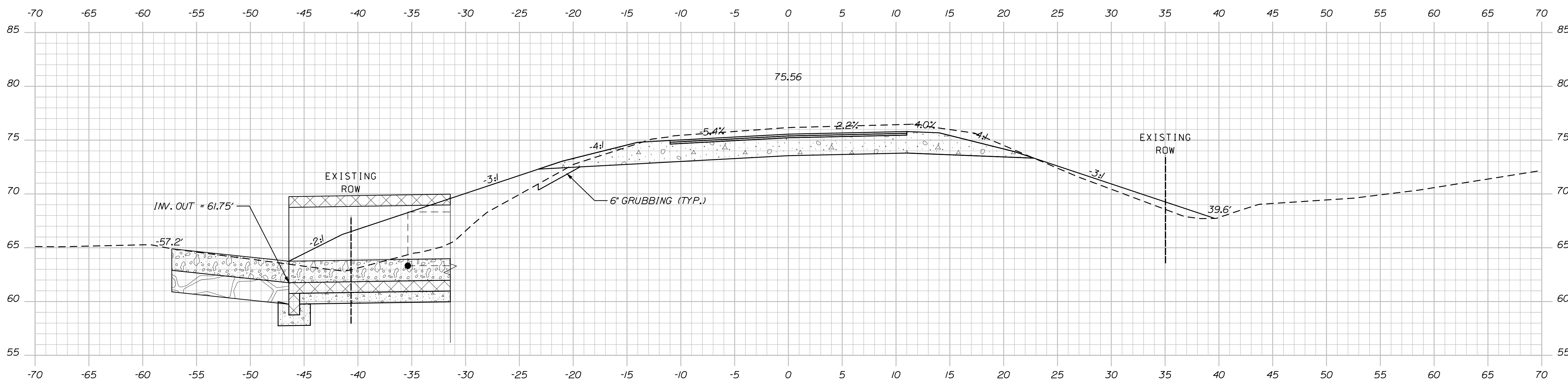
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Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA\Sheets\XSECT.dgn



13+75.00



13+50.00

PROJ. MANAGER	DATE
DESIGN DETAILED	11/30/20
CHECKED-REVIEWED	S. KELLY
DESIGN DETAILED	D. COOMBS
DESIGN DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	
SIGNATURE	
P.E. NUMBER	
DATE	

DRESDEN
ROUTE 127
CROSS SECTIONS

SHEET NUMBER

8

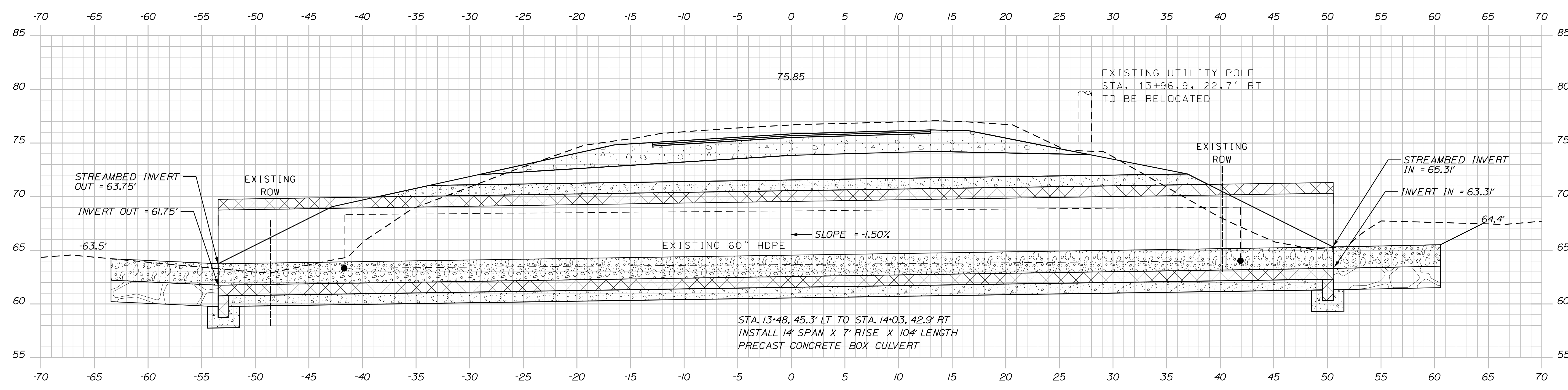
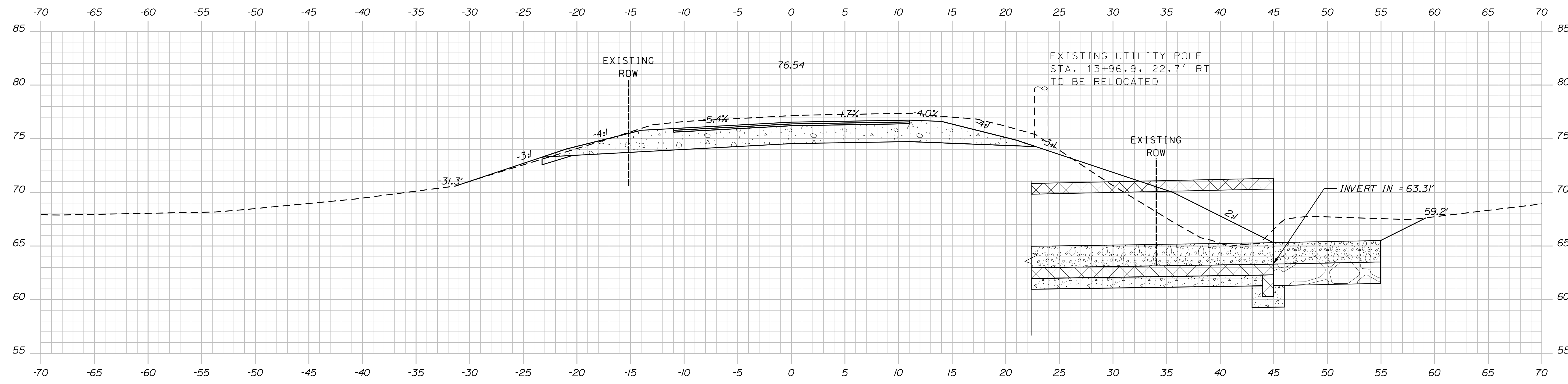
OF 12

Date: 11/30/2020

Username: skelly

Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA\Sheets\XSECT.dgn



PROJ. MANAGER	DATE
CHECKED-REVIEWED	11/30/20
DESIGN-REVIEWED	SIGNATURE
DESIGNS DET AILED	P.E. NUMBER
REVISIONS 1	DATE
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

DESIGN-DETAILED	DATE
CHECKED-REVIEWED	11/30/20
DESIGN-REVIEWED	SIGNATURE
DESIGNS DET AILED	P.E. NUMBER
REVISIONS 1	DATE
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

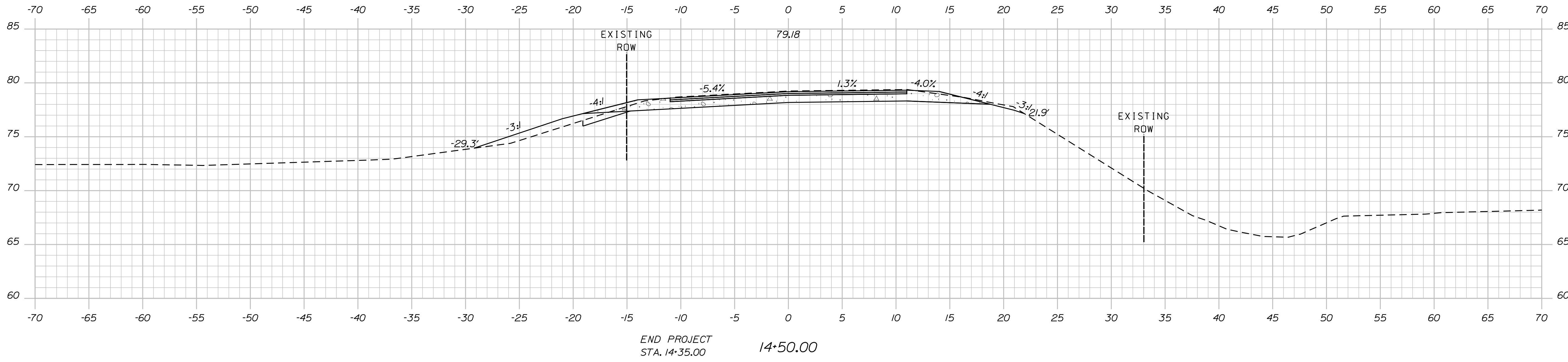
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ROUTE 127
CROSS SECTIONS

Date: 11/30/2020

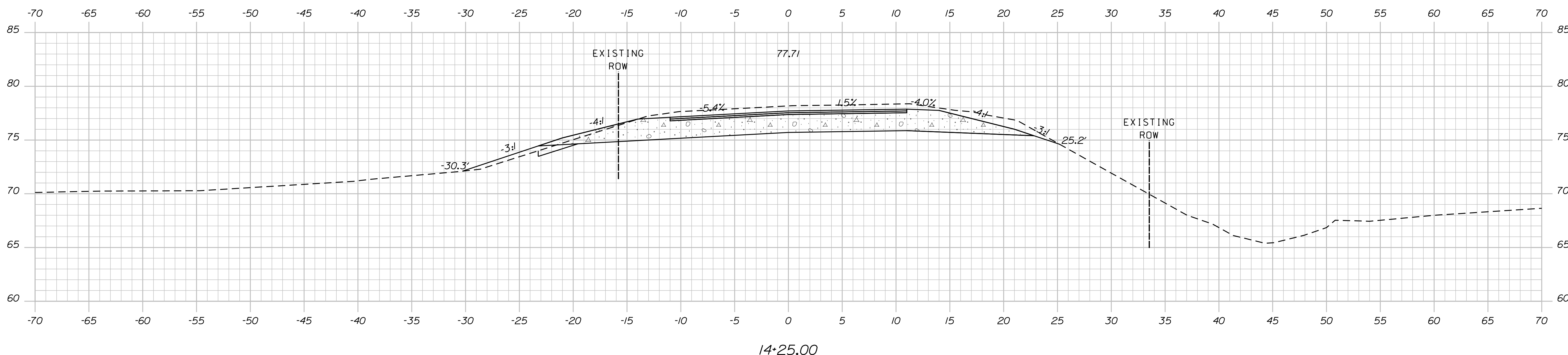
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Division: HIGHWAY

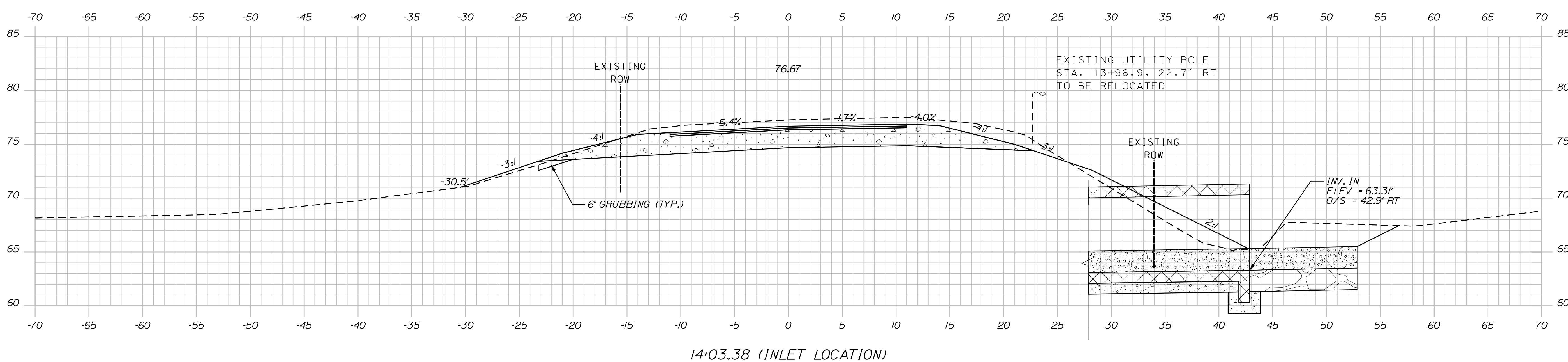
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END PROJECT STA. 14+35.00 14+50.00



14+25.00



14+03.38 (INLET LOCATION)

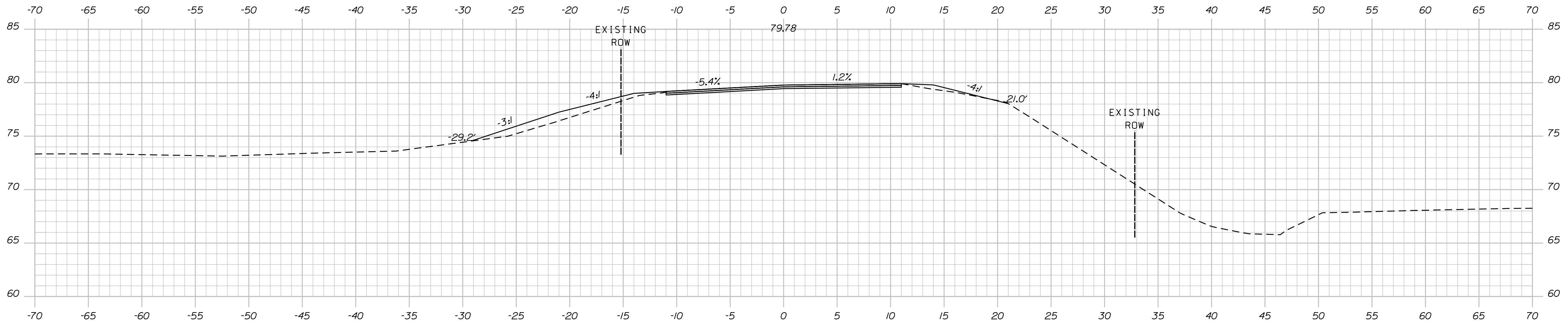
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
022421.00
WIN
22421.00
HIGHWAY PLANS

DESIGN DETAILED	DATE	SIGNATURE
CHECKED/REVIEWED	11/30/20	
DESIGNS DETAILED		
DESIGNS DETAILED		
REVISIONS 1		P.E. NUMBER
REVISIONS 2		DATE
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROJ. MANAGER	BY	DATE
	S. KELLY D. COOMBS	11/30/20

DRESDEN
ROUTE 127
CROSS SECTIONS

SHEET NUMBER
10
OF 12



14+60.00 (LIMITS OF WORK, MATCH EXISTING)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

022421.00

WIN
22421.00
HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

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

BY
S. KELLY
D. COOMBS

DATE
11/30/20
11/30/20

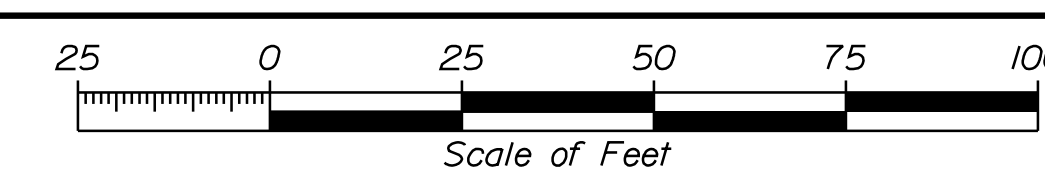
DRESDEN
ROUTE 127

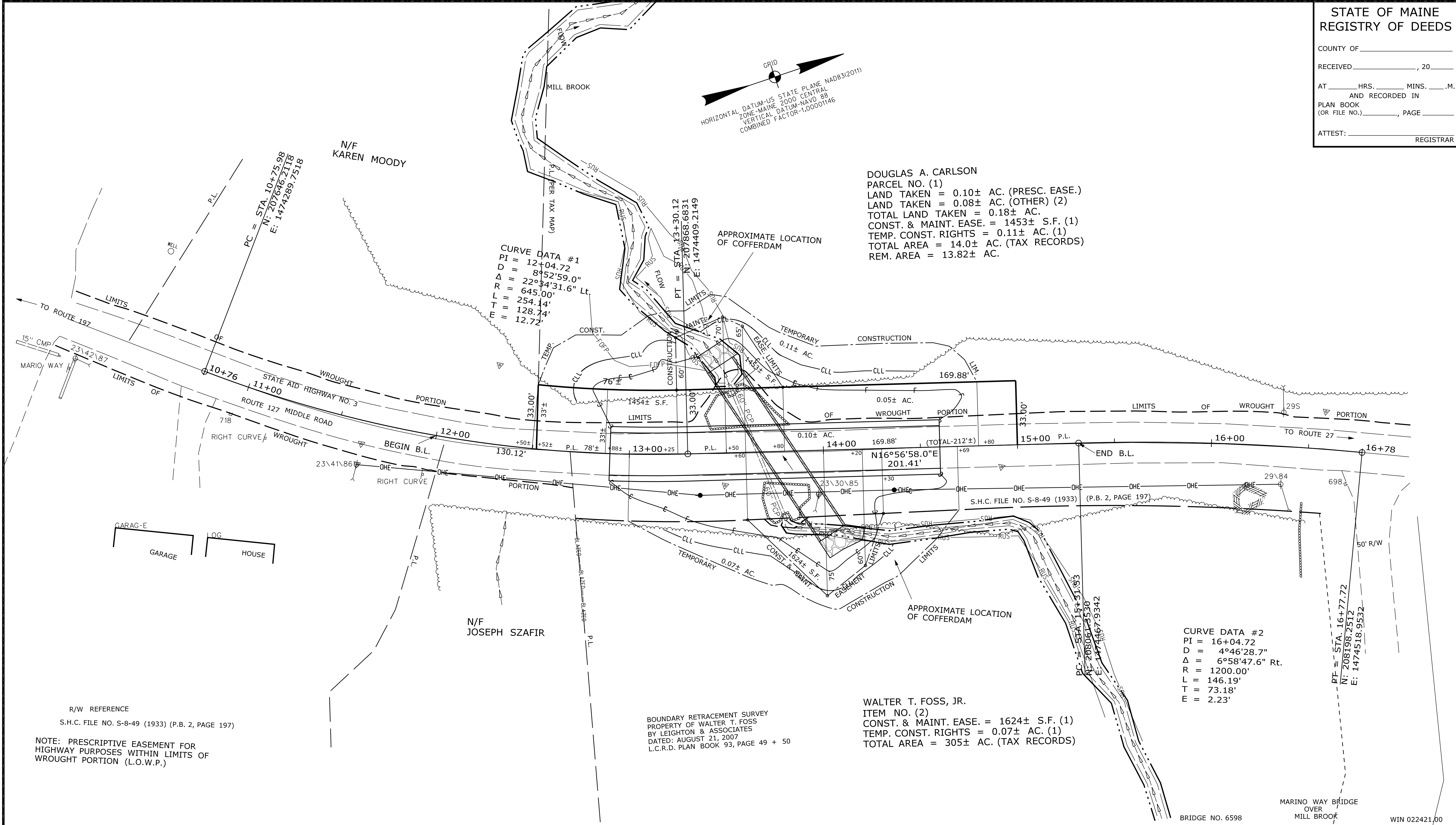
CROSS SECTIONS

SHEET NUMBER

11

OF 12

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 _____ Bush Line _____ Rock/Boulder _____ Barb Wire _____ Well _____ Flag Pole _____ Stockade _____ Mailbox _____	PLAN LEGEND Existing Proposed 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 _____ Replacement Pin Set _____ Fill Line _____ Retaining Wall _____ Traverse Point _____ Pipe Found _____	THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ADJACENT PROPERTY OWNERS. 
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**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

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**

DRESDEN
 RIGHT OF WAY MAP

16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460

REVISIONS	PLAN FILED IN PLAN BOOK	PAGE	COUNTY RECORD	BRUCE A. VAN NOTE
NO. DATE DESCRIPTION BY	NO. GRANTOR	INSTRUMENT	DATE BOOK PAGE	COMMISSIONER JOYCE NOEL TAYLOR CHIEF ENGINEER
		COND.	11/9/20 5615 113	DATE

STATE AID HIGHWAY NO. 3 ROUTE 127, MIDDLE ROAD DRESDEN LINCOLN COUNTY STATE MAINTENANCE PROJECT	SHEET NUMBER 12
JULY 2020 SCALE 1" = 25'	RIGHT-OF-WAY MAP SHEET 1 OF 1
D.O.T. FILE NO. 8-190	OF 12

Date: \$date\$
 Username: \$user\$
 Division: \$wkgroup\$
 Filename: \$file\$