

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



WHITEFIELD

LINCOLN COUNTY

RIVER GLEN BRIDGE

ROUTE 194

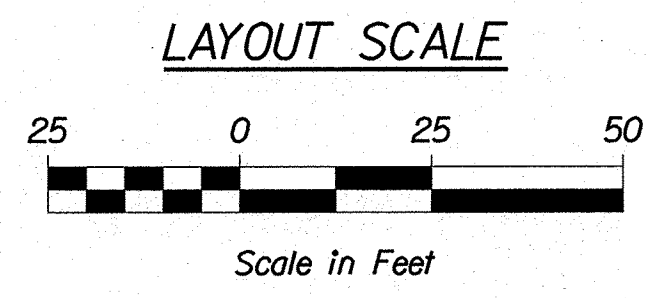
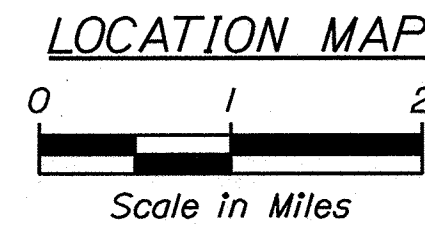
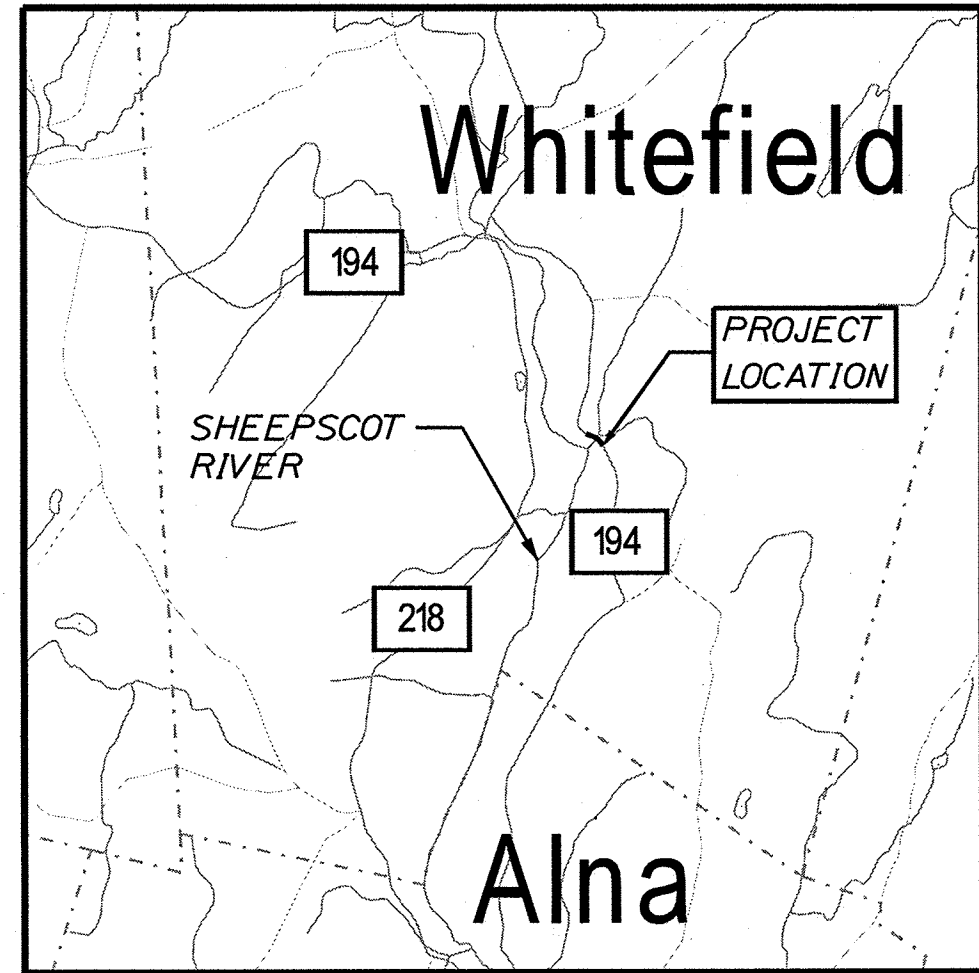
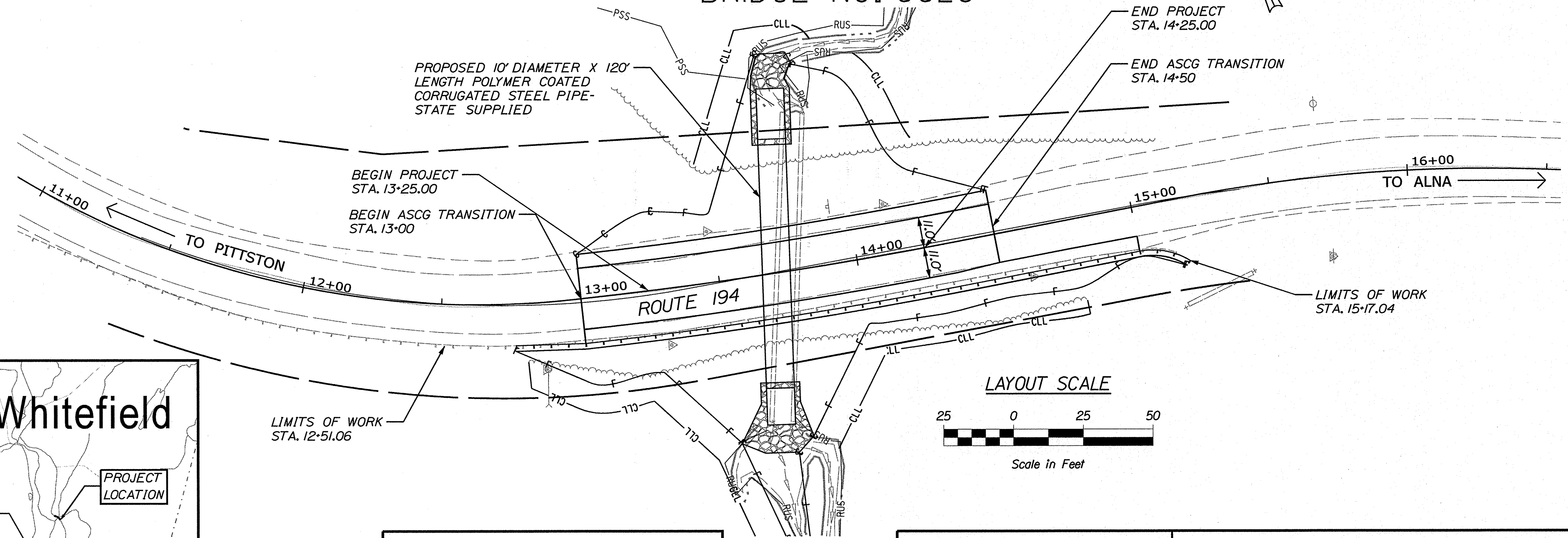
STATE PROJECT NO. 023032.00

PROJECT LENGTH : 0.02 MILES

BRIDGE NO. 6629

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

INDEX OF SHEETS	
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TRAFFIC DATA	
Current (2021) AADT	300
Future (2033) AADT	320
DHV - % of AADT	13%
Design Hour Volume	42
% Heavy Trucks (AADT)	10%
% Heavy Trucks (DHV)	10%
Directional Distribution (DHV)	58%
18 kip Equivalent P 2.0	5
18 kip Equivalent P 2.5	5
Design Speed (mph)	40
Functional Class	Minor Collector
Highway Corridor Priority	4

PROJECT LOCATION:	LOCATED ON ROUTE 194 APPROXIMATELY 0.73 OF A MILE SOUTH OF JEWETT LANE
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	LARGE CULVERT REPLACEMENT

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>		2-10-21
CHIEF ENGINEER: <i>[Signature]</i>		2-9-2021

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE	DATE
BRIAN REEVES	<i>[Signature]</i>	1/22/21
P.E. NUMBER: 13554		
PROFESSION: PROFESSIONAL ENGINEER		

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	DOUGLAS COMBS
DESIGNER	SHANE KELLY
CONSULTANT	SEBAGO TECHNICS, INC.
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN 023032.00 STATE PROJECT NO. 23032.00

WHITEFIELD ROUTE 194
TITLE SHEET

SHEET NUMBER	1
OF 15	

Date: 1/22/2021

Username: skelly

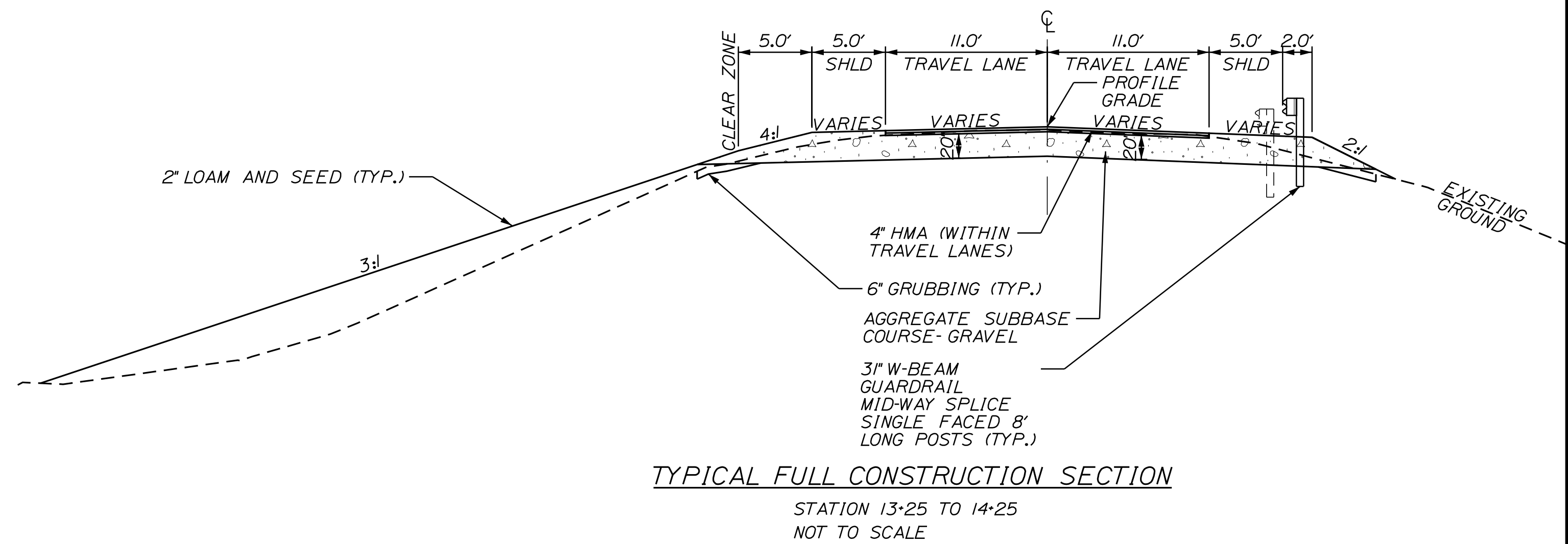
Division: HIGHWAY

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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. 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.
5. 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.
6. REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.
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 LOW SIDE SHOULDER WILL HAVE SAME SLOPE AS THE TRAVELWAY.
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 UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
14. GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.
15. ALL EXISTING GUARDRAIL REMOVED AND NOT REUSED ON THE PROJECT WILL BECOME PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.
16. 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.
17. 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.
18. 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.
19. 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.
20. THE PROJECT GEOTECHNICAL REPORT TITLED "GEOTECHNICAL DESIGN REPORT FOR THE CONSTRUCTION OF RIVER GLEN BRIDGE", SOILS REPORT 2021-03, JANUARY 25, 2021 CAN BE ACCESSED AT THE MAINEDOT WEBSITE [HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/](http://www.maine.gov/mdot/contractors/).
21. 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.
22. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
23. 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.
24. THE EXISTING TWIN CULVERTS SHALL BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL OF THE EXISTING CULVERT SHALL BE CONSIDERED INCIDENTAL TO ITEM NO. 603.40781.
25. 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.

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	360	CY
203.25	GRANULAR BORROW	650	CY
203.33	SPECIAL FILL	60	CY
304.10	AGGREGATE SUBBASE COURSE- GRAVEL	410	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	31	TONS
403.213	HOT MIX ASPHALT 12.5 MM HMA BASE	51	TONS
409.15	BITUMINOUS TACK COAT	11	GAL
511.07	COFFERDAM: UPSTREAM	1	LS
511.07	COFFERDAM: DOWNSTREAM	1	LS
603.40781	10" DIAMETER X 120' LENGTH POLYMER COATED STEEL PIPE- STATE SUPPLIED	1	LS
606.1301	3" W-BM GY, MID-WAY SPLICE-SGL FACED	225	LF
606.1304	3" W-BM GY, MID-WAY SPLICE-OVER 15' RAD	19	LF
606.362	GUARDRAIL, ADJUST	25	LF
610.08	PLAIN RIPRAP	50	CY
610.210	STREAM CHANNEL ROCK	63	CY
610.212	STREAMBED ROCK FEATURES	6	CY
613.319	EROSION CONTROL BLANKET	60	SY
615.07	LOAM	86	CY
618.14	SEEDING METHOD NUMBER 2	7	UN
619.12	MULCH	7	UN
619.14	EROSION CONTROL MIX	10	CY
620.58	EROSION CONTROL GEOTEXTILE	75	SY
627.73	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	900	LF
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.172	LARGE TRUCK (INCLUDING OPERATOR)	10	HR
639.19	FIELD OFFICE TYPE B	1	EA
652.312	BARRICADE TYPE III	4	EA
652.33	DRUM	50	EA
652.34	CONE	100	EA
652.35	CONSTRUCTION SIGN	1,000	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	30	CD
652.38	FLAGGER	130	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	4	EA
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS



Date: 2/12/2021

Username: skelly

Filename: ... \002_TypicalGeneralNotes & Est Quantities.dgn HIGHWAY

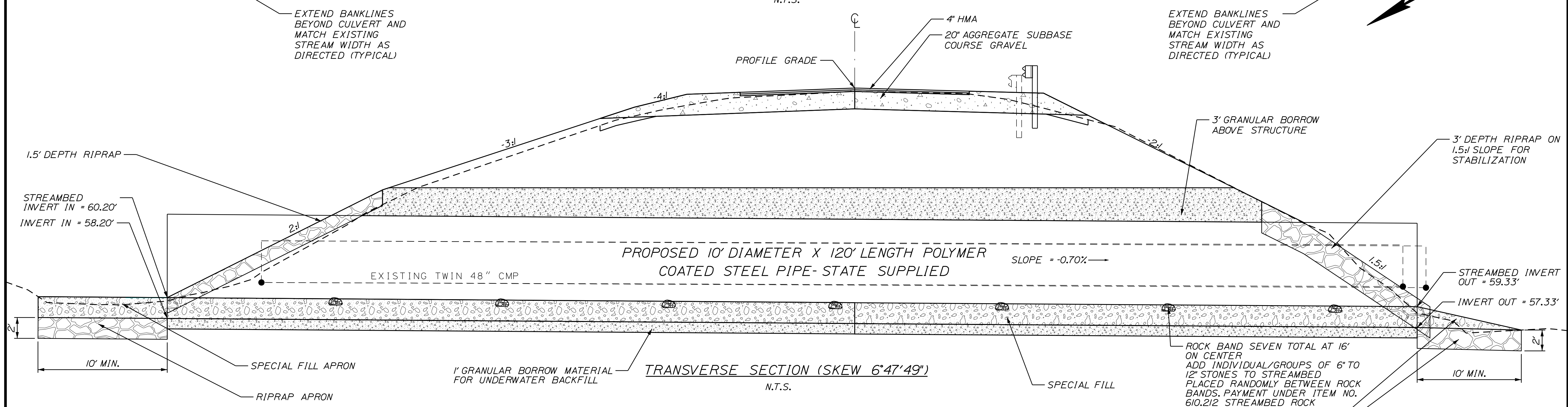
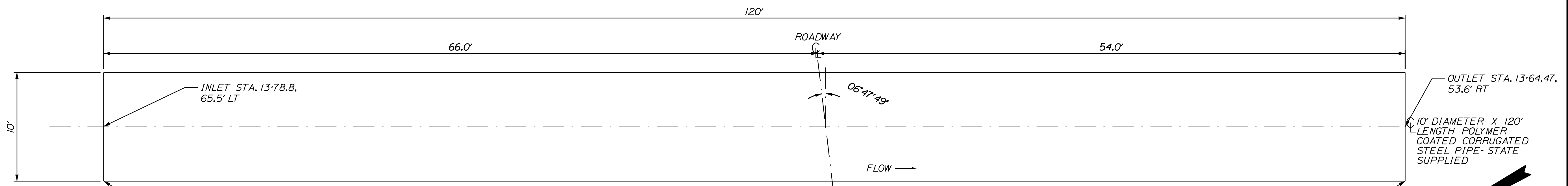
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PROJ. MANAGER DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	DATE 01/21/21 01/21/21
BY S. KELLY D. COOMBS	SIGNATURE P.E. NUMBER DATE
WHITEFIELD ROUTE 194	GENERAL NOTES, TYPICAL SECTION AND ESTIMATED QUANTITIES
SHEET NUMBER	
2	
OF 15	

Date: 1/22/2021

Username: skelly

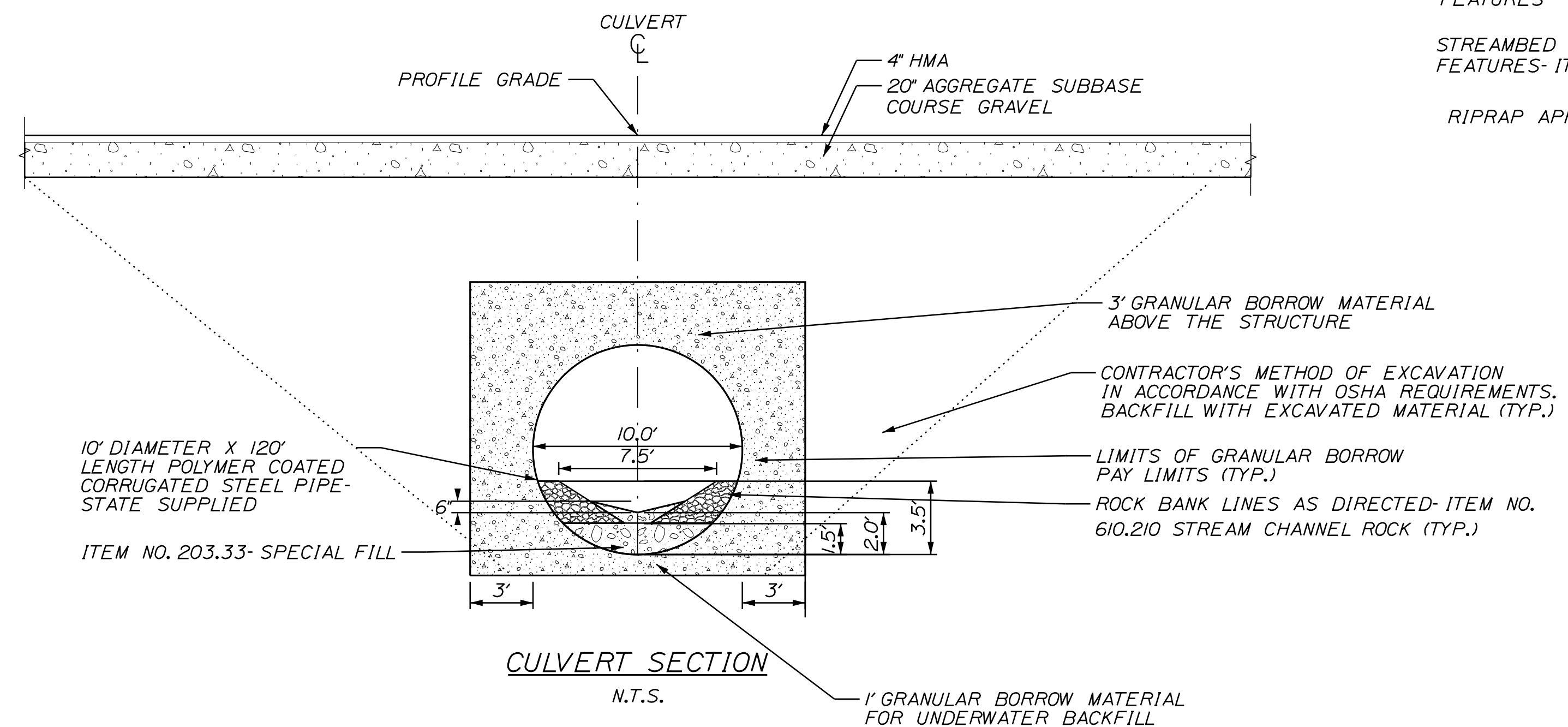
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CULVERT NOTES

1. THE CULVERT SHALL BE LINED WITH 2 FEET OF SPECIAL FILL IN ACCORDANCE WITH SPECIAL PROVISION 203.
2. COFFERDAMS ARE TO BE PLACED AT BOTH THE DOWNSTREAM AND UPSTREAM ENDS OF THE STRUCTURE TO ALLOW WATER TO BE PUMPED AND REMOVED DURING CONSTRUCTION OF THE STEEL STRUCTURAL PLATE PIPE.
3. VOIDS IN RIPRAP APRONS SHALL BE INFILLED WITH SPECIAL FILL WATERED-IN AND TAMPED.
4. 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, AS DIRECTED BY THE RESIDENT.
5. THE POLYMER COATED CORRUGATED STEEL PIPE SHALL BE BEDDED ON A 1-FOOT LAYER OF COMPACTED GRANULAR BORROW MATERIAL MEETING THE REQUIREMENTS FOR UNDERWATER BACKFILL.
6. RIPRAP WILL BE USED TO INSLOPE AROUND THE CULVERT ENDS AT BOTH THE INLET AND OUTLET. SEE PLAN AND PROFILE FOR LOCATIONS.
7. ALL EXCAVATION AND BACKFILL FOR THE PROPOSED 10' DIAMETER X 120' LENGTH POLYMER COATED STEEL PIPE - STATE SUPPLIED SHALL BE INCIDENTAL TO ITEM 603.40781



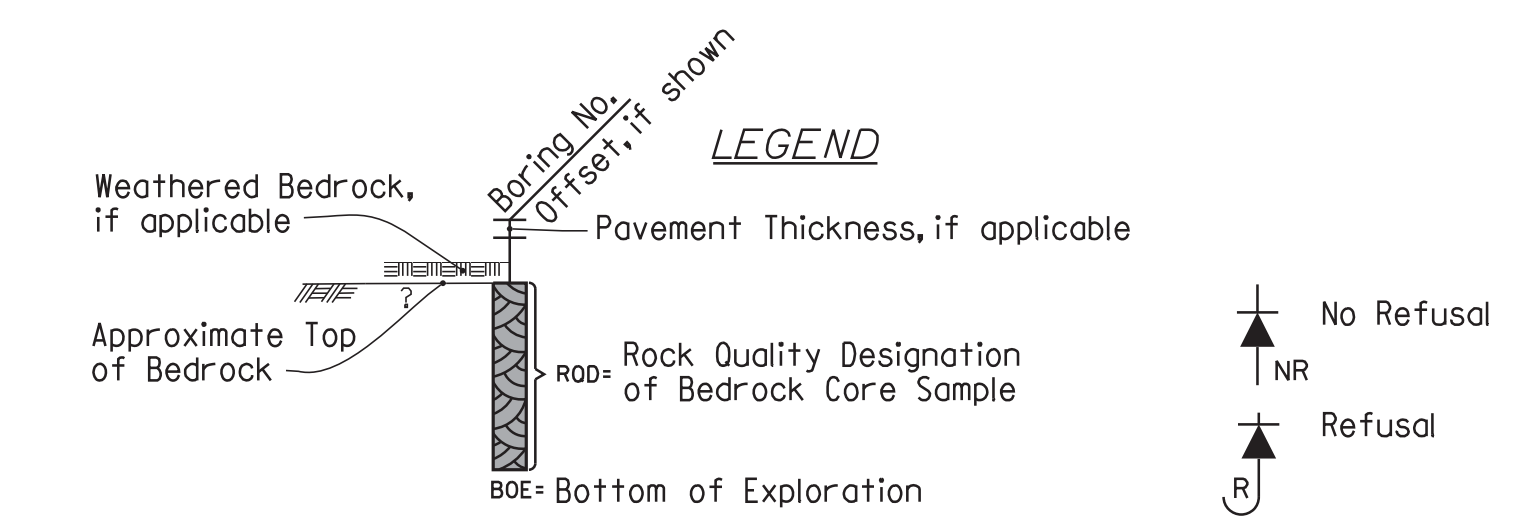
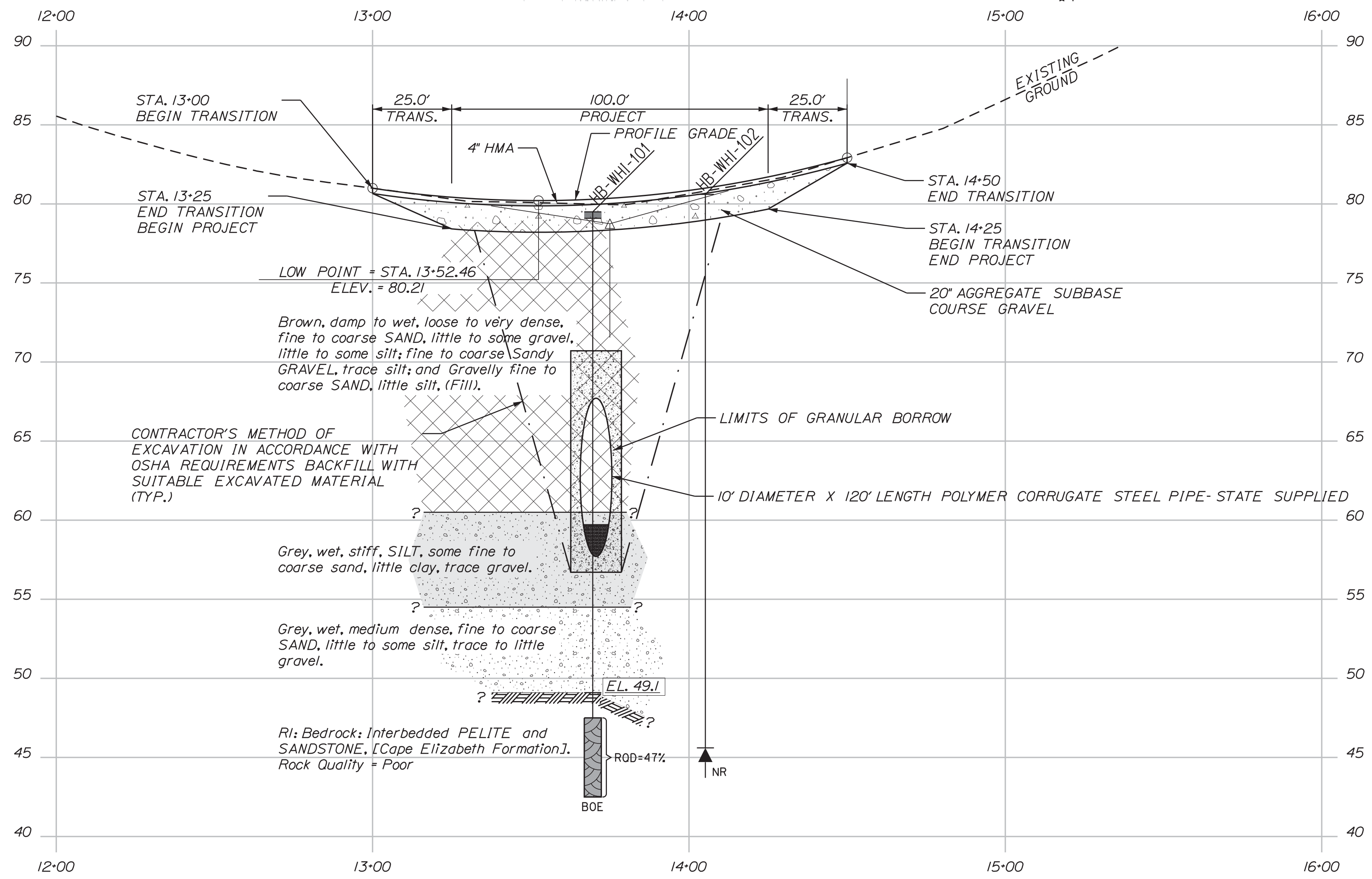
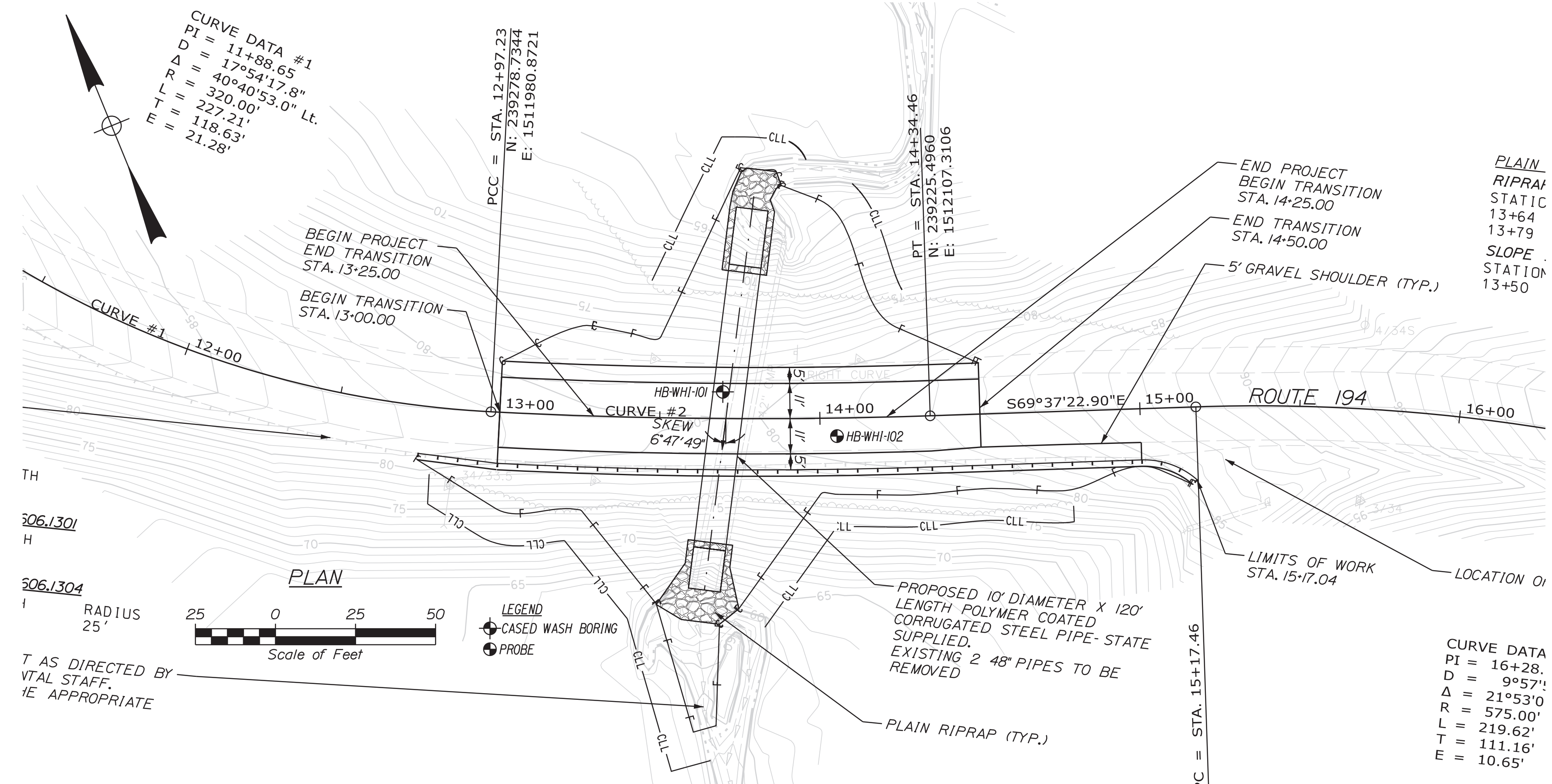
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PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE		
D. COOMBS	S. KELLY D. COOMBS	01/21/21 01/21/21					
DESIGN DETAILED	CHECKED/REVIEWED	DESIGN DETAILED	DESIGN DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4
				FIELD CHANGES			
WHITEFIELD ROUTE 194			SPECIAL DETAIL - POLYMER COATED STEEL PIPE				
SHEET NUMBER			3				
			OF 15				

Date: 1/25/2021

Username: Cody A. Russell

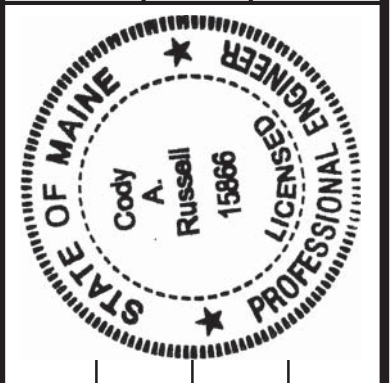
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Note: This generalized interpretive soil profile is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced explorations and samples.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

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 23032.00
 WIN
 23032.00
 HIGHWAY PLANS



PROJ. MANAGER	DATE	BY	CHECKED	DESIGNED	REVISIONS	FIELD CHANGES
C. RUSSELL	DEC 2020	T. WHITE	C. RUSSELL	C. RUSSELL	1	
					2	
					3	
					4	

**WHITEFIELD
 ROUTE 194
 BORING LOCATION PLAN &
 INTERPRETIVE SUBSURFACE PROFILE**

SHEET NUMBER
 4
 OF 15

Maine Department of Transportation Soil/Rock Exploration Log US_CUSTOMARY_UNITS		Project: Large Culvert Replacement on Route 194 Location: Whitefield, Maine		Boring No.: HB-WH1-101 WIN: 23032.00						
Driller: MainedOT	Elevation (ft.): 79.5	Auger ID/OD: 5" Solid Stem								
Operator: Doggett/Niles/Kyle	Datum: NAVD88	Sampler: Standard Split Spoon								
Logged By: C. Russell	Rig Type: CME 45C	Hammer Wt./Fall: 140lb/30"								
Date Start/Finish: 8/8/2018 08:25-12:55	Drilling Method: Closed Wash Boring	Core Barrel: NG-2"								
Boring Location: 13469.6, 8.3 ft Lt.	Casing ID/OD: NW-3"	Water Level#: None Observed								
Hammer Efficiency Factor: 0.928	Hammer Type: Automatic Hydraulic	Rope & Cathrod								
<small> DEFINITIONS: S = Split Spoon Sample; R = Rock Core Sample; Su = Peak/Retracted Field Vane Undrained Shear Strength (psf); T_v = Pocket Torque Shear Strength (psf) M = Unsuccessful Split Spoon Attempt; SA = Solid Stem Auger; S_u(1) = Lab Vane Undrained Shear Strength (psf); K = Water Content, percent U = Thin Wall Tube Sample; RC = Roller Cone; U_u = Unconfined Compressive Strength (ksf); LL = Liquid Limit MU = Unsuccessful Thin Wall Tube Sample Attempt; WH = Weight of 140lb. Hammer; Unconnected = Raw Field SPT value; Nonconnected = Raw Field SPT value V = Field Vane Shear Test; PP = Pocket Penetrometer; N/C = Weight of Rods or Casing; N₆₀ = SPT Noncorrected Corrected for Hammer Efficiency; G = Grain Size Analysis W = Unsuccessful Field Vane Shear Test Attempt; RUC = Weight of Rods or Casing; N₆₀ = Hammer Efficiency Factor, uncorrected; C = Corrosion Test </small>										
Depth (ft.)	Sample No.	Pen./Rec. (in)	Sample Depth (ft.)	Blow 1/6 in. Shear (150#) or ROD (1)	N-value	Casing Blow	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ASHTO and Unified Class
0							79.5		0" HMA.	
10	24/9	1.00 - 3.00	8/9/10/9	19	29				Brown, damp, medium dense, fine to coarse SAND, some gravel, little silt, (F111).	G#295660 A-1-g, SM WC=3.6%
5	24/14	5.00 - 7.00	6/3/3/4	6	9				Brown, damp, loose, fine to coarse SAND, some silt, little gravel, (F111).	G#295661 A-2-4, SM WC=2.4%
10	24/4	10.00 - 12.00	7/8/7/10	15	23				Brown, wet, medium dense, fine to coarse SANDY GRAVEL, trace silt, (F111).	G#295662 A-1-g, GP WC=9.1%
15	24/8	15.40 - 17.40	17/49/36/18	85	131				Cobble from 15.0-15.4 ft bgs. Brown, wet, very dense, gravelly fine to coarse SAND, little silt, (F111).	G#295663 A-1-b, SM WC=10.9%
20	24/20	20.00 - 22.00	2/3/4/4	7	11				Grey, wet, stiff, silt, some fine to coarse sand, little clay, trace gravel.	G#295664 A-4, CL WC=25.2%
25	24/18	25.00 - 27.00	3/5/9/17	14	22				Grey, wet, medium dense, fine to coarse SAND, little silt, trace gravel.	G#295665 A-2-4, SP-SM WC=19.5%
30	4/8/2	30.00 - 30.40	3414.8"						Grey, wet, fine to coarse SAND, some silt, little gravel, Spoon REFUSAL at 30.4 ft bgs. Top of Bedrock at Elev. 49.1 ft. Roller Cased ahead to 35.0 ft bgs. R1: Bedrock: Interbedded PELITE and SANDSTONE (Cape Elizabeth Formation). Rock Quality = Poor. R1: Core Times (min:sec) 32.0-35.0 ft (0:24) 33.0-34.0 ft (0:08) 34.0-35.0 ft (0:15) 35.0-36.0 ft (0:16) 36.0-37.0 ft (2:41) 100% Recovery	G#295666 A-2-4, SM WC=9.2%
35	R1	32.00 - 37.00	R0D = 41%						Bottom of Exploration at 37.0 feet below ground surface.	
40										
45										
50										
55										
60										
65										
70										
75										
80										
85										
90										
95										
100										
Stratification lines represent approximate boundaries between soil types; transitions may be gradual. * Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.										

Maine Department of Transportation Soil/Rock Exploration Log US_CUSTOMARY_UNITS		Project: Large Culvert Replacement on Route 194 Location: Whitefield, Maine		Boring No.: HB-WH1-102 WIN: 23032.00						
Drilling Contractor: MainedOT	Elevation (ft.): 80.6	Auger ID/OD: 5" Dia.								
Operator: Doggett/Niles/Kyle	Datum: NAVD88	Sampler: N/A								
Logged By: C. Russell	Rig Type: CME 45C	Hammer Wt./Fall: N/A								
Date Start/Finish: 8/8/2018 13:00-13:35	Drilling Method: Solid Stem Auger	Core Barrel: N/A								
Boring Location: 14405.2, 5.7 ft Rt.	Casing ID/OD: N/A	Water Level#: None Observed								
<small> DEFINITIONS: S = Split Spoon Sample; R = Rock Core Sample; Su = Peak/Retracted Field Vane Undrained Shear Strength (psf); T_v = Pocket Torque Shear Strength (psf) M = Unsuccessful Split Spoon Attempt; SA = Solid Stem Auger; S_u(1) = Lab Vane Undrained Shear Strength (psf); K = Water Content, percent U = Thin Wall Tube Sample; RC = Roller Cone; U_u = Unconfined Compressive Strength (ksf); LL = Liquid Limit MU = Unsuccessful Thin Wall Tube Sample Attempt; WH = Weight of 140lb. Hammer; Unconnected = Raw Field SPT value; Nonconnected = Raw Field SPT value V = Field Vane Shear Test; PP = Pocket Penetrometer; N/C = Weight of Rods or Casing; N₆₀ = SPT Noncorrected Corrected for Hammer Efficiency; G = Grain Size Analysis W = Unsuccessful Field Vane Shear Test Attempt; RUC = Weight of Rods or Casing; N₆₀ = Hammer Efficiency Factor, uncorrected; C = Corrosion Test </small>										
Depth (ft.)	Sample No.	Pen./Rec. (in)	Sample Depth (ft.)	Blow 1/6 in. Shear (150#) or ROD (1)	N-value	Casing Blow	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ASHTO and Unified Class
0							80.6		Probe, no soil samples taken.	
5										
10										
15										
20										
25										
30										
35										
40										
45										
50										
55										
60										
65										
70										
75										
80										
85										
90										
95										
100										
Stratification lines represent approximate boundaries between soil types; transitions may be gradual. * Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.										

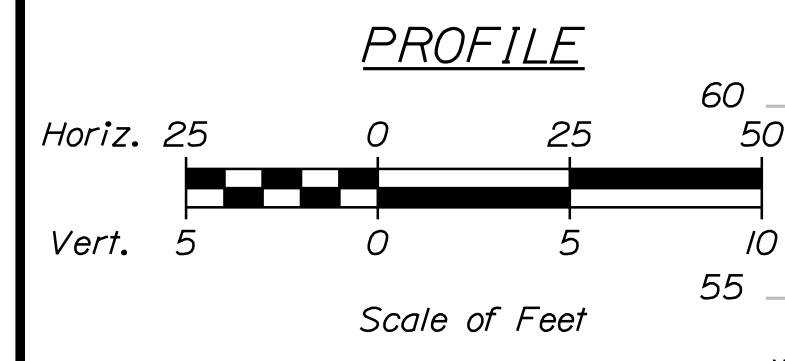
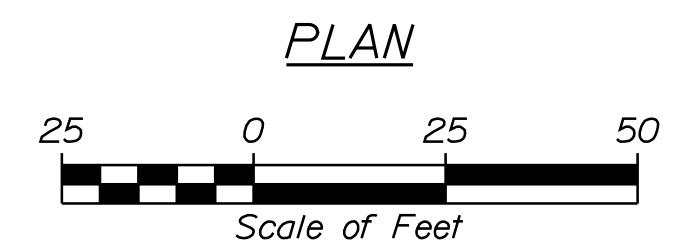
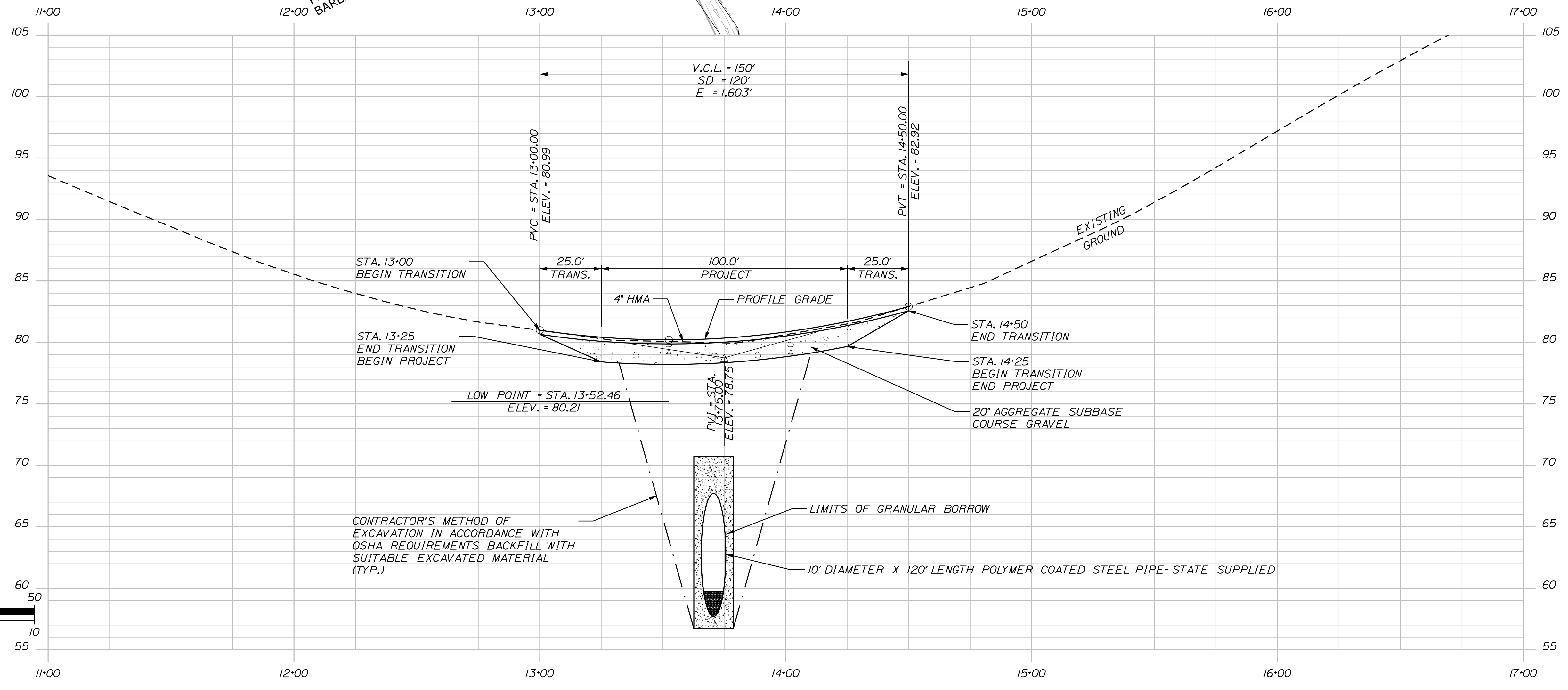
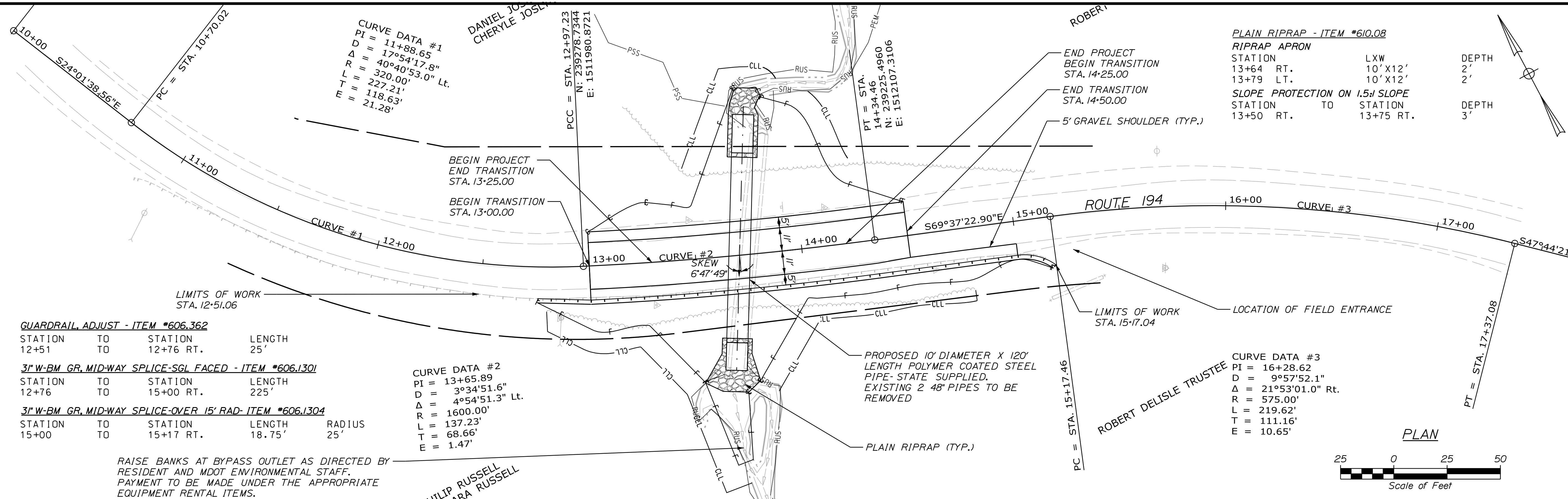


Cody A. Russell
SIGNATURE
15866
P.E. NUMBER
01/25/2021
DATE

PROJ. MANAGER	DATE	BY
CHECKED-REVIEWED	DEC 2020	T. WHITE
DESIGNS-DETAILED		
DESIGNS-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

WHITEFIELD
ROUTE 194
BORING LOGS
SHEET NUMBER
5
OF 15

Filename: ... \005_Plan and Profile.dgn
 Division: HIGHWAY
 Username: skelly
 Date: 1/22/2021



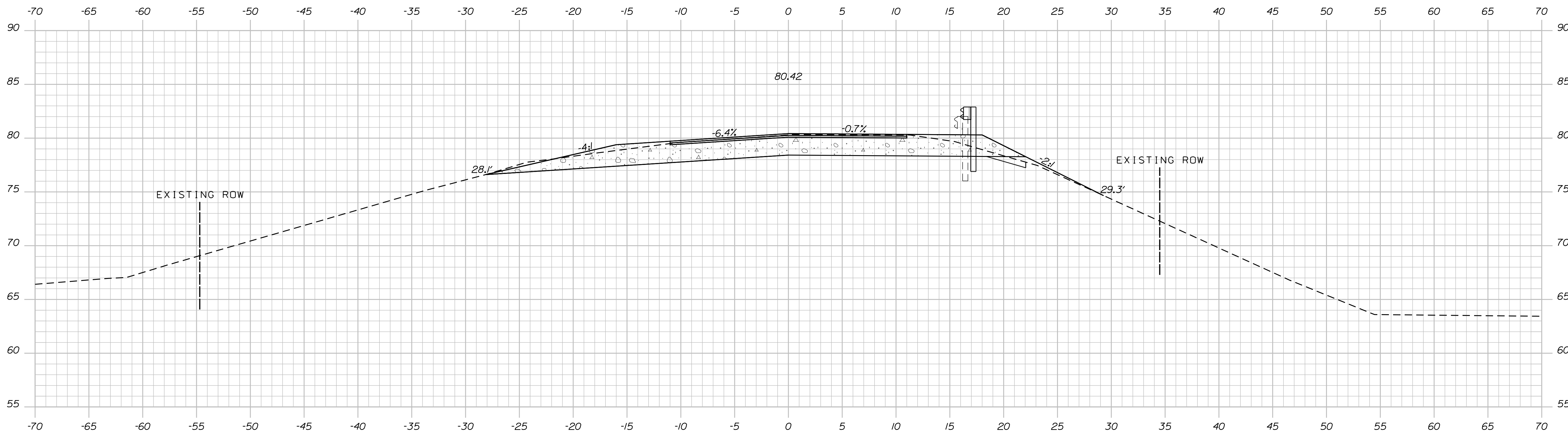
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		023032.00		PIN 023032.00		HIGHWAY PLANS	
PROJECT NAME WHITEFIELD ROUTE 194		DATE 01/21/21		SIGNATURE		P.E. NUMBER	
SHEET NUMBER 6		BY S. KELLY D. COOMBS		DATE 01/21/21		DATE	
PLAN AND PROFILE		DESIGN-DETAILED		REVISIONS 1		FIELD CHANGES	
		CHECKED-REVIEWED		REVISIONS 2			
		DESIGN-DETAILED		REVISIONS 3			
		DESIGN-DETAILED		REVISIONS 4			

Date: 1/22/2021

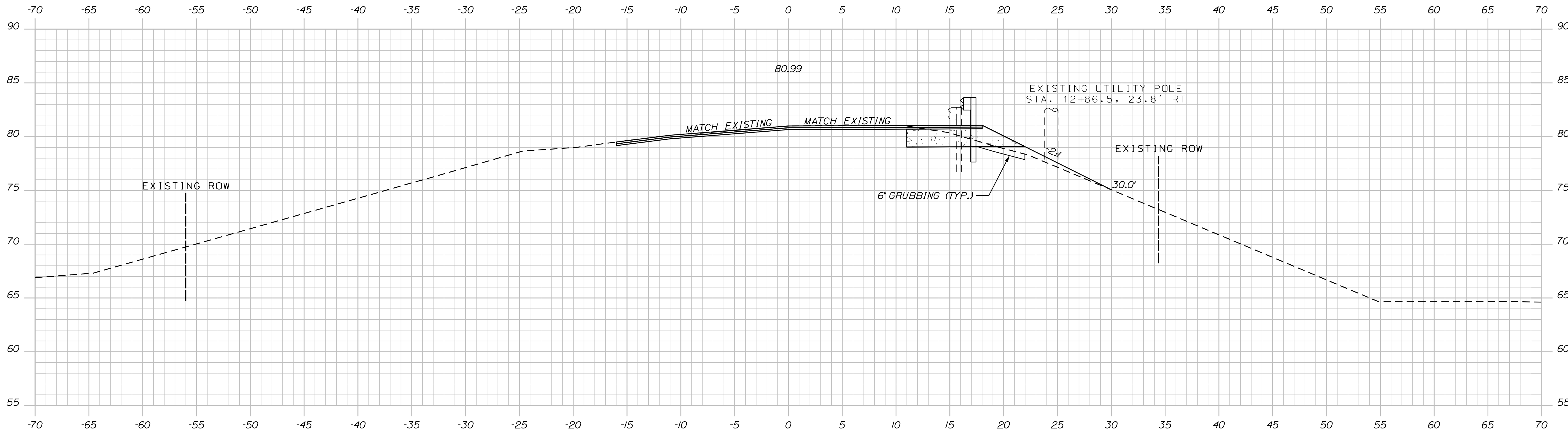
Username: skelly

Division: HIGHWAY

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



13+25.00 (END TRANSITION, BEGIN PROJECT)



13+00.00 (BEGIN TRANSITION)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
023032.00
WIN
023032.00
HIGHWAY PLANS

PROJ. MANAGER
D. COOMBS
CHECKED-REVIEWED
S. KELLY
DESIGNED-DETAILED
D. COOMBS
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

DATE
01/21/21
01/21/21
SIGNATURE
P.E. NUMBER
DATE

WHITEFIELD
ROUTE 194
CROSS SECTIONS

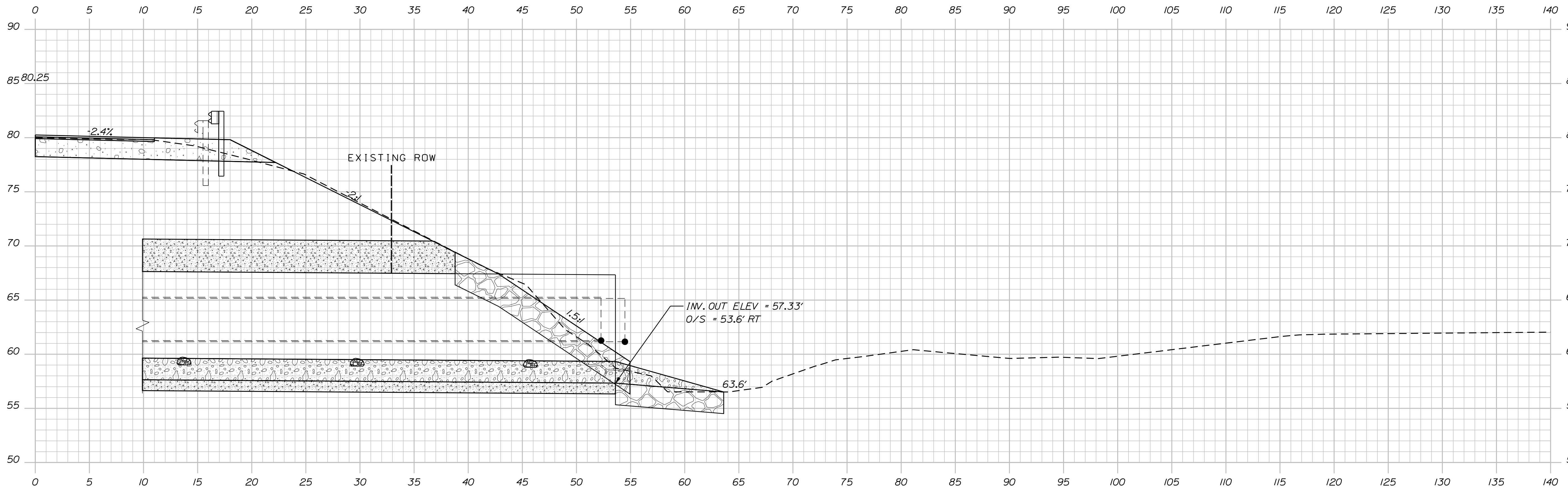
SHEET NUMBER
7
OF 15

Date: 1/22/2021

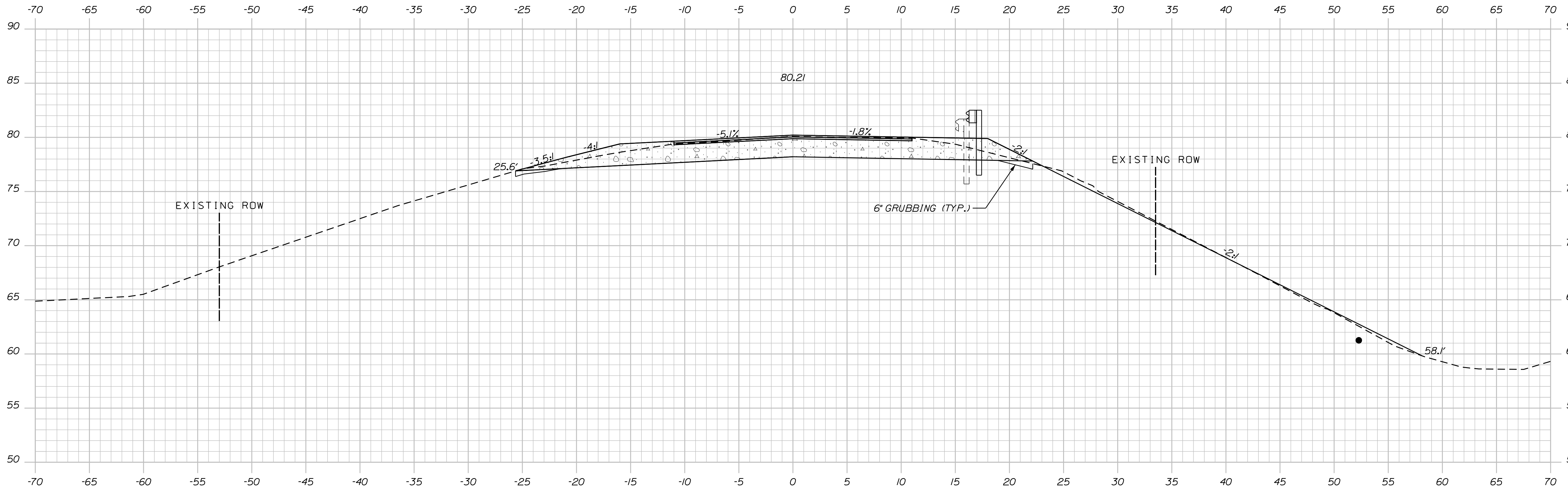
Username: skelly

Division: HIGHWAY

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



13+64.47 (OUTLET LOCATION)



13+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
023032.00
WIN
023032.00
HIGHWAY PLANS

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

DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
01/21/21	S. KELLY	01/21/21			
01/21/21	D. COOMBS	01/21/21			

WHITEFIELD
ROUTE 194
CROSS SECTIONS

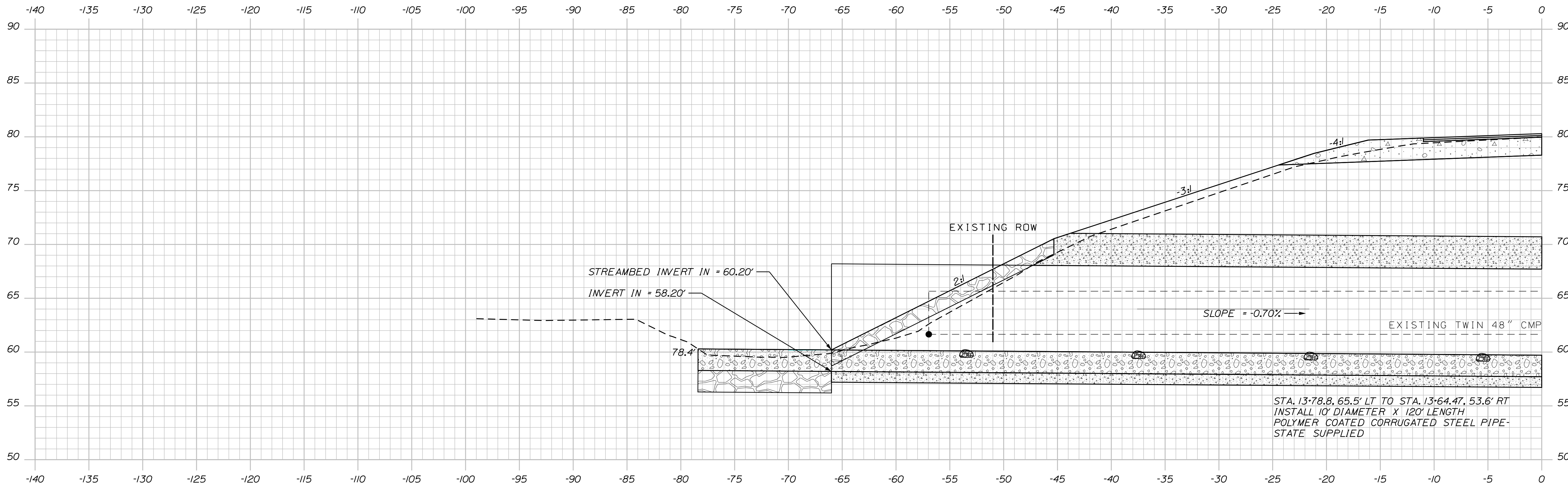
SHEET NUMBER
8
OF 15

Date: 1/22/2021

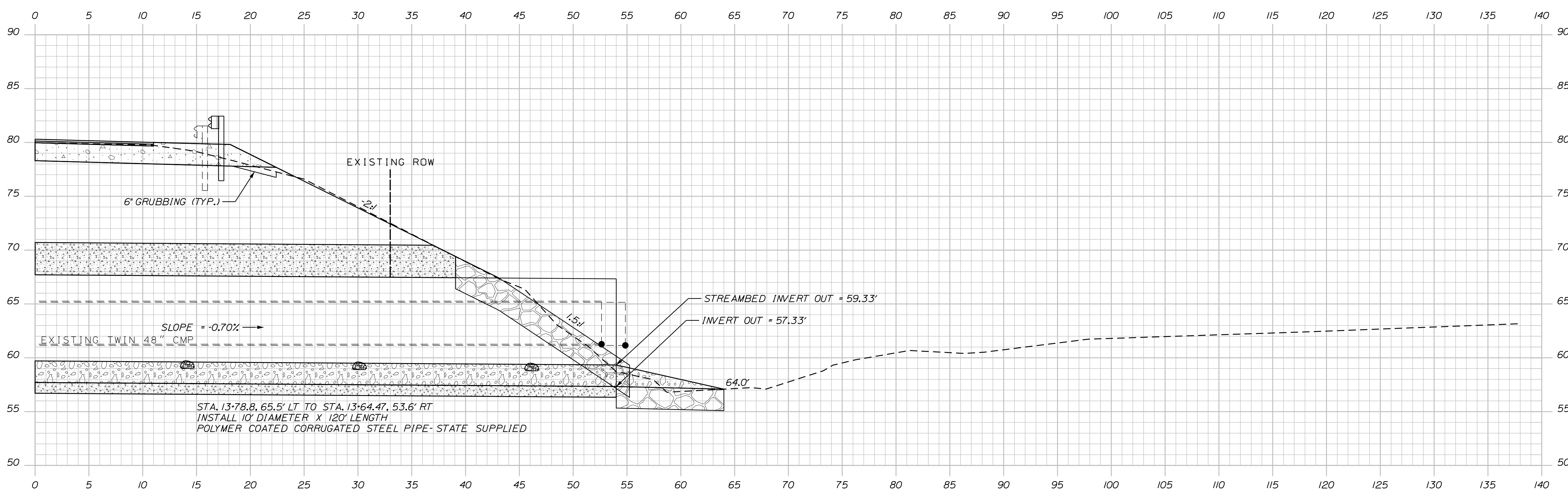
Username: skelly

Division: HIGHWAY

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



13+70.64 (SKEW 6°47'49")



13+70.64 (SKEW 6°47'49")

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
023032.00
WIN
023032.00
HIGHWAY PLANS

DATE: 01/21/21
BY: S. KELLY, D. COOMBS
SIGNATURE: _____
P.E. NUMBER: _____
DATE: _____

PROJ. MANAGER	DATE
D. COOMBS	01/21/21
CHECKED-DETAILED	
DESIGNS DETAILED	
DESIGNS DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

WHITEFIELD
ROUTE 194
CROSS SECTIONS

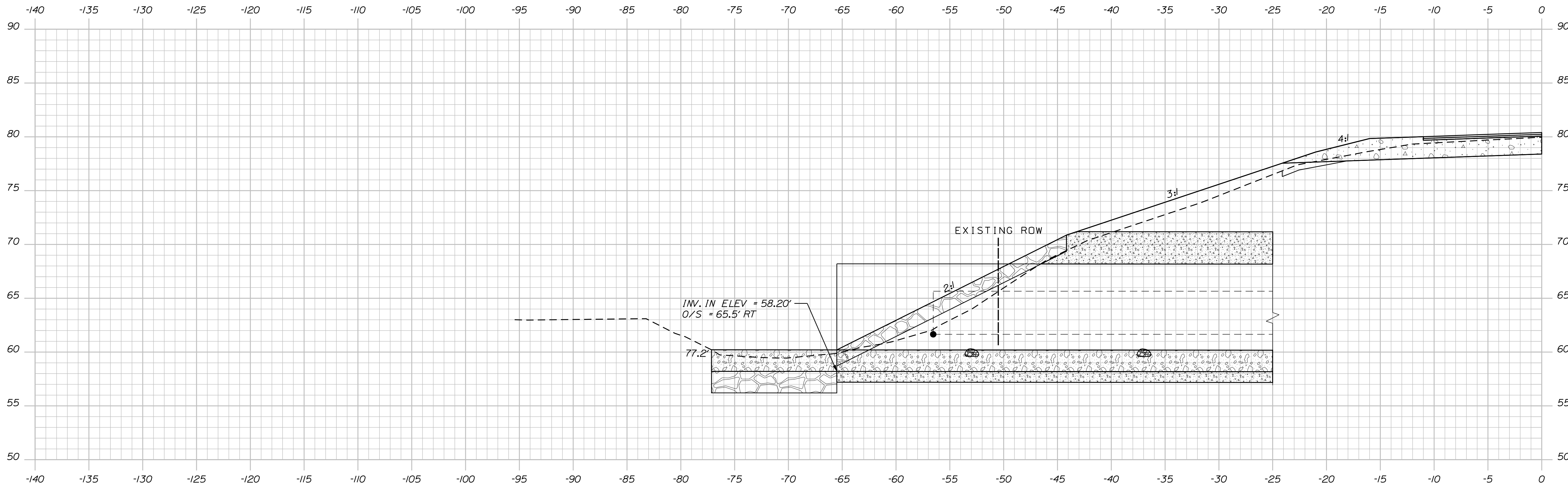
SHEET NUMBER
9
OF 15

Date: 1/22/2021

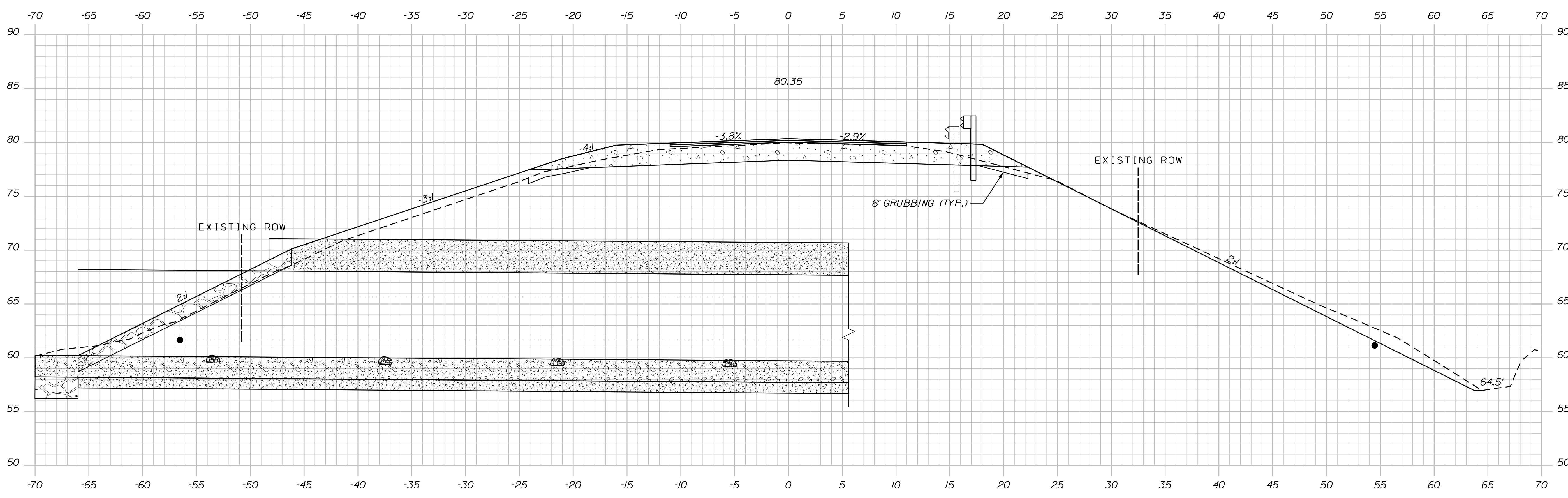
Username: skelly

Division: HIGHWAY

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



13+78.80 (INLET LOCATION)



13+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
023032.00
WIN
023032.00
HIGHWAY PLANS

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

DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
01/21/21	S. KELLY	01/21/21			
01/21/21	D. COOMBS				

WHITEFIELD
ROUTE 194
CROSS SECTIONS

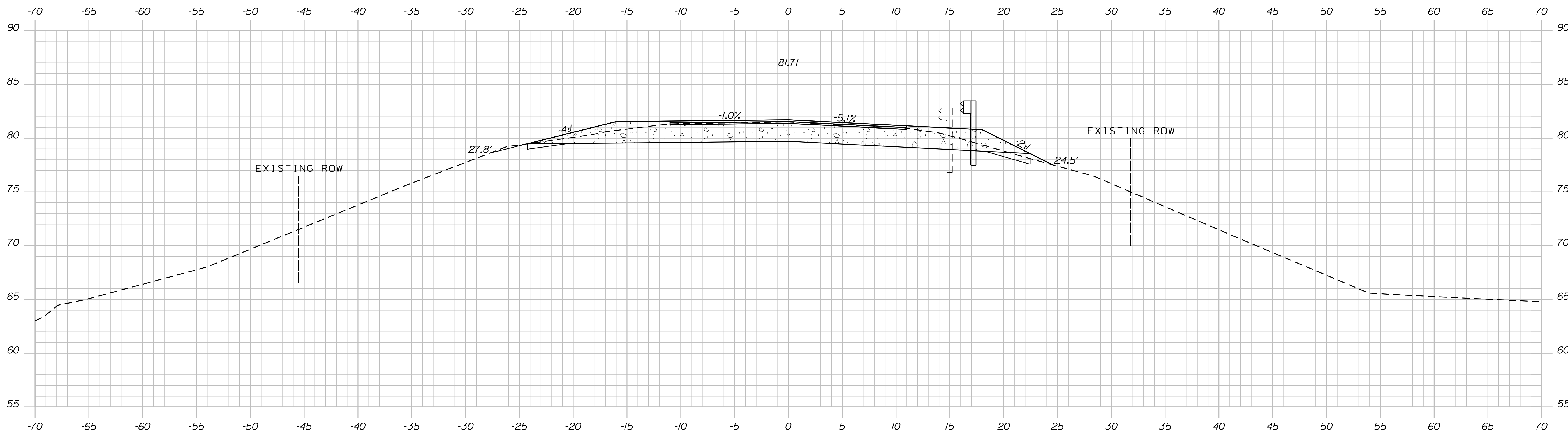
SHEET NUMBER
10
OF 15

Date: 1/22/2021

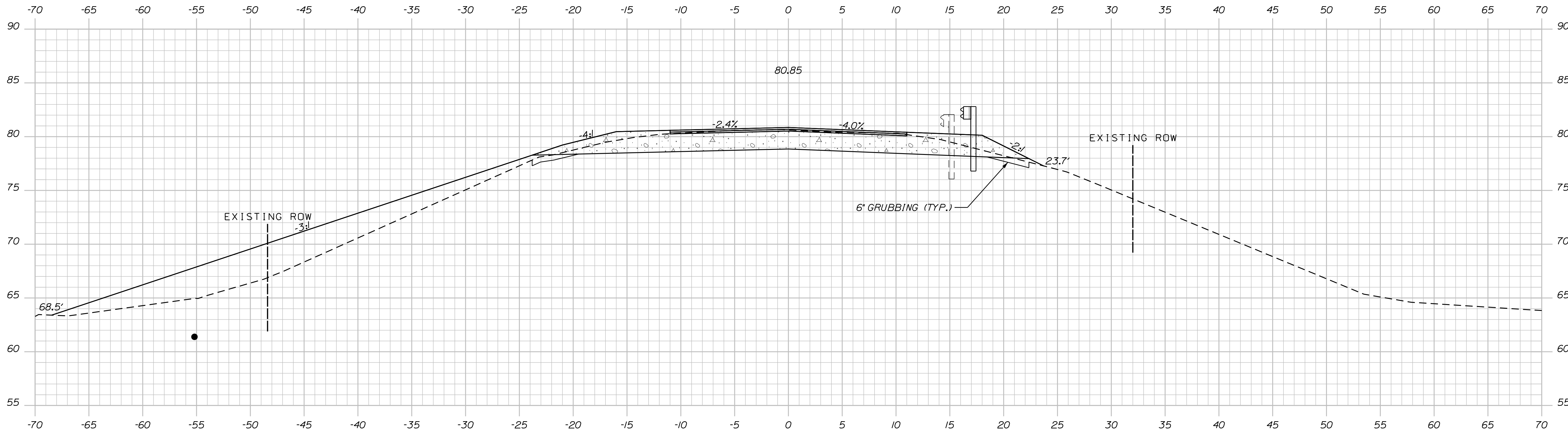
Username: skelly

Division: HIGHWAY

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



14+25.00 (BEGIN TRANSITION, END PROJECT)



14+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
023032.00
WIN
023032.00
HIGHWAY PLANS

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

DATE	BY	DATE
01/21/21	S. KELLY	01/21/21
	D. COOMBS	01/21/21

SIGNATURE
P.E. NUMBER
DATE

WHITEFIELD
ROUTE 194
CROSS SECTIONS

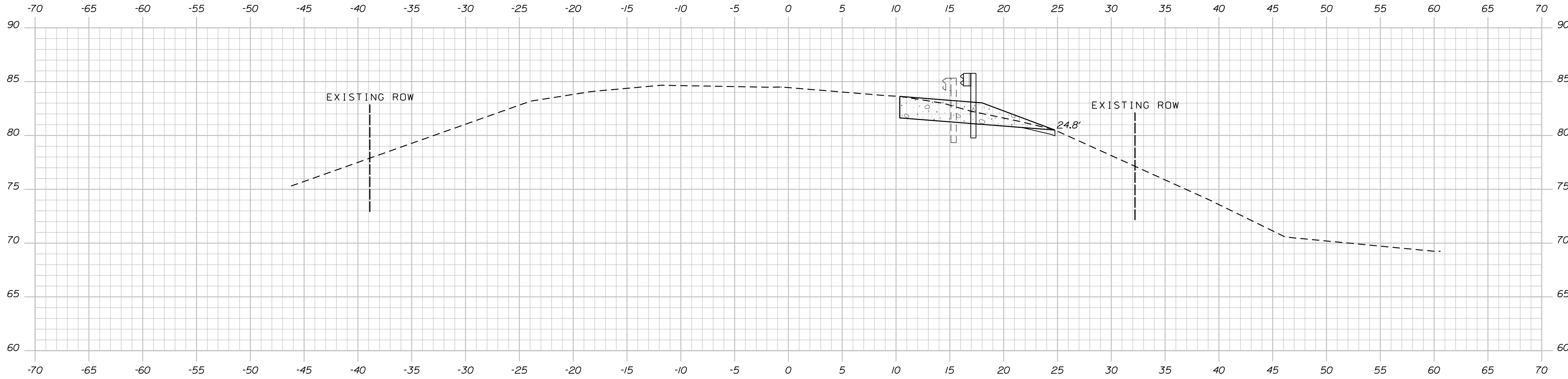
SHEET NUMBER
11
OF 15

Date: 1/22/2021

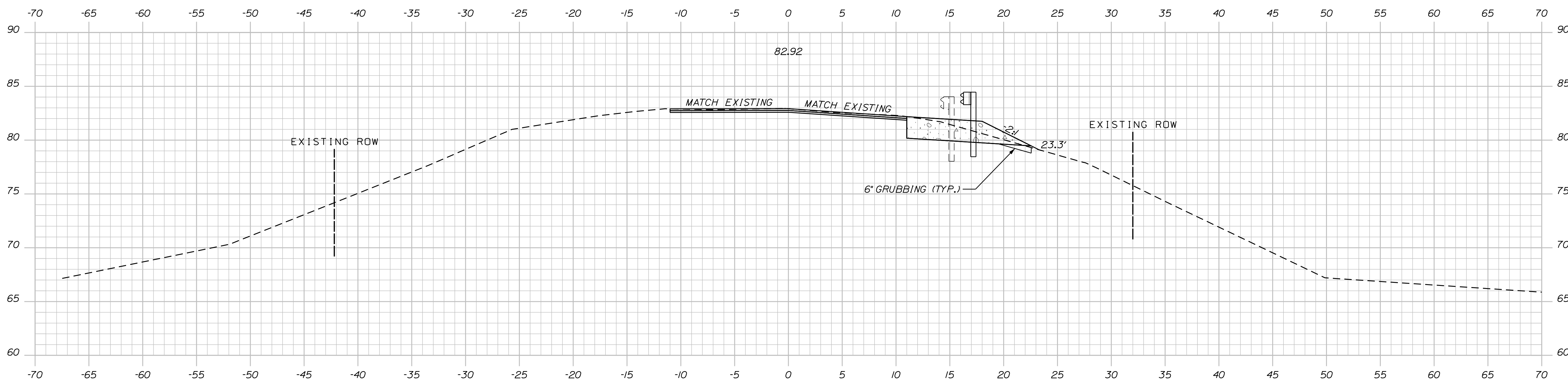
Username: skelly

Division: HIGHWAY

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



14+75.00



14+50.00 (END TRANSITION)

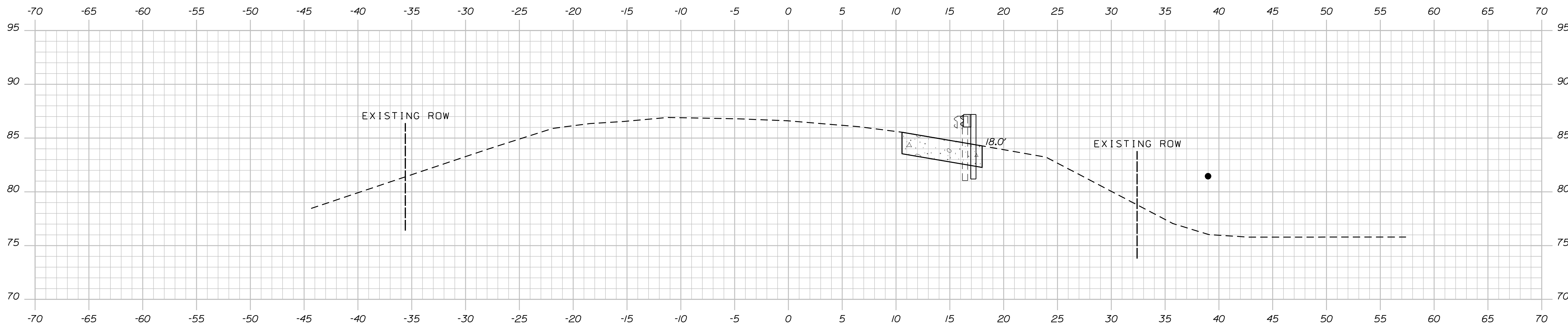
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
023032.00
WIN
023032.00
HIGHWAY PLANS

SIGNATURE
P.E. NUMBER
DATE

PROJ. MANAGER	BY	DATE
D. COOMBS	S. KELLY	01/21/21
CHECKED-REVIEWED	D. COOMBS	01/21/21
DESIGNS DETAILED		
DESIGNS DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

WHITEFIELD
ROUTE 194
CROSS SECTIONS

SHEET NUMBER
12
OF 15



15+00.00

Sta. 15+00.00 to Sta. 15+00.00

WHITEFIELD
ROUTE 194

CROSS SECTIONS

SHEET NUMBER

13

OF 15

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

023032.00

WIN

HIGHWAY PLANS

SIGNATURE

DATE

BY

D. COOMBS

PROJ. MANAGER

CHECKED-REVIEWED

DESIGNS-DETAILED

DESIGNS-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

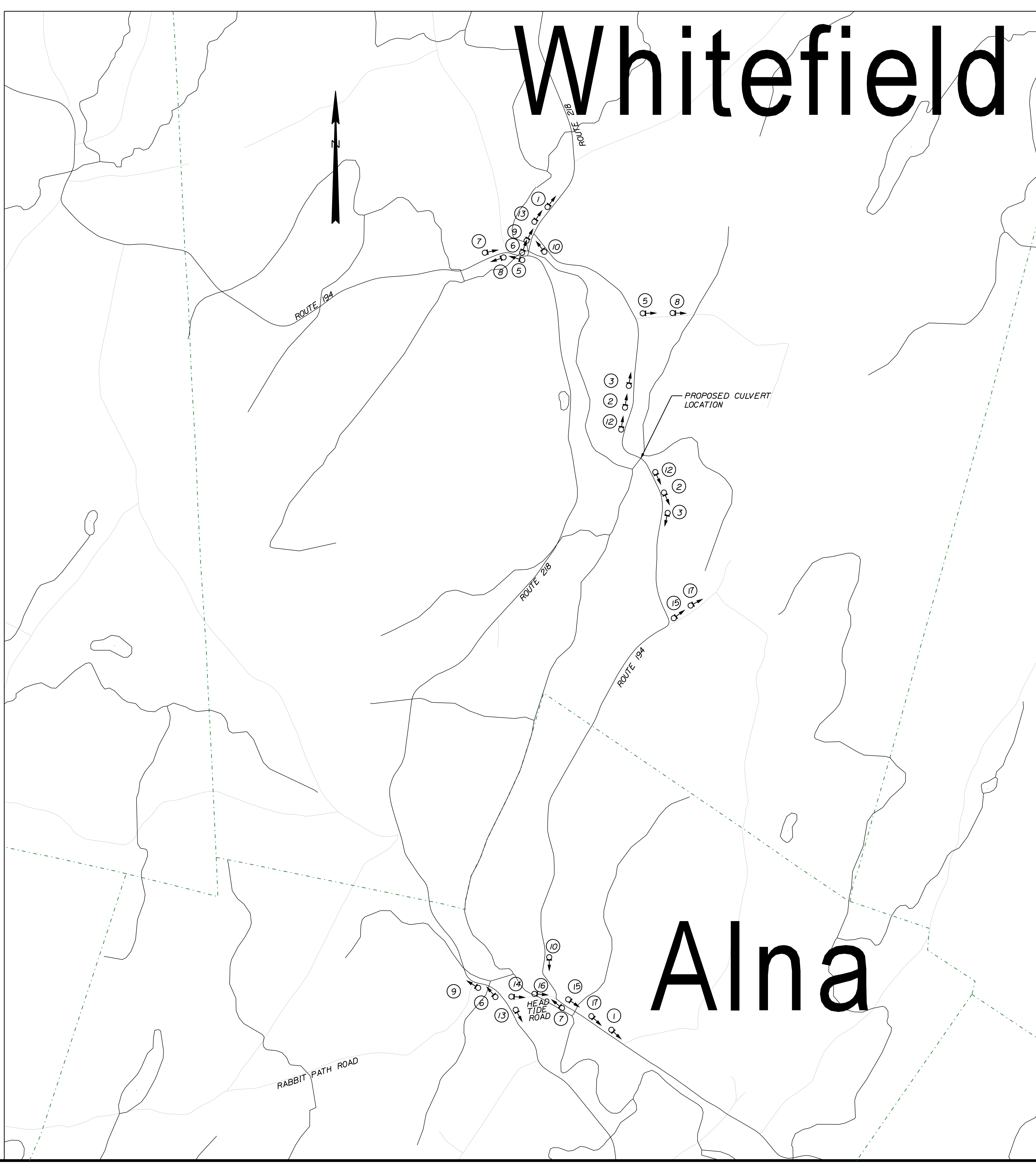
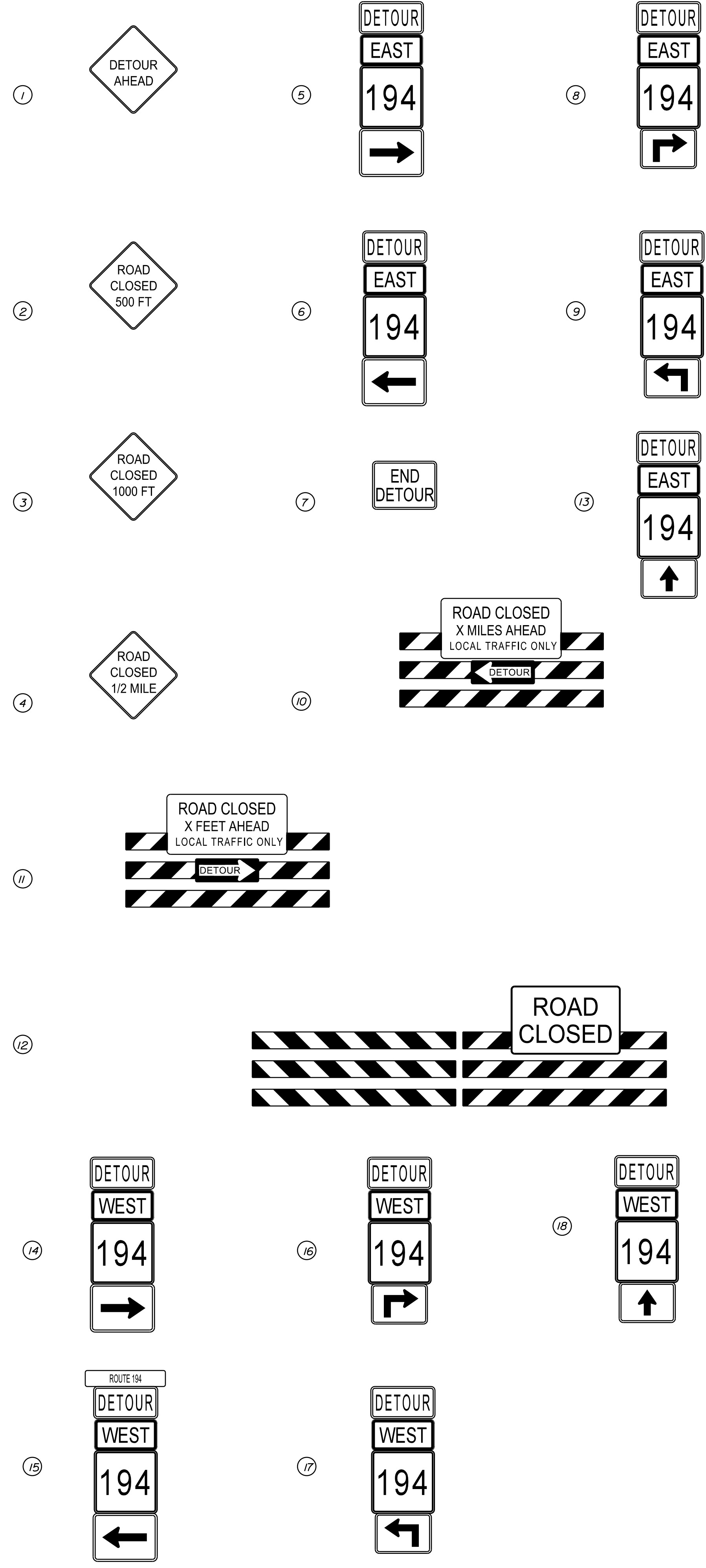
REVISIONS 4

FIELD CHANGES

P.E. NUMBER

DATE

DATE



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		023032.00 WIN 23032.00 HIGHWAY PLANS	
WHITEFIELD ROUTE 194		DETOUR PLAN	
SHEET NUMBER		14 OF 15	
PROJ. MANAGER	BY	DATE	SIGNATURE
D. COOMBS	S. KELLY D. COOMBS	01/21/21 01/21/21	
DESIGN DETAILED	CHECKED/REVIEWED		P.E. NUMBER
DESIGN DETAILED	DESIGN DETAILED		DATE
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

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 _____
 Stockade _____
 Flag Pole _____
 Mailbox _____

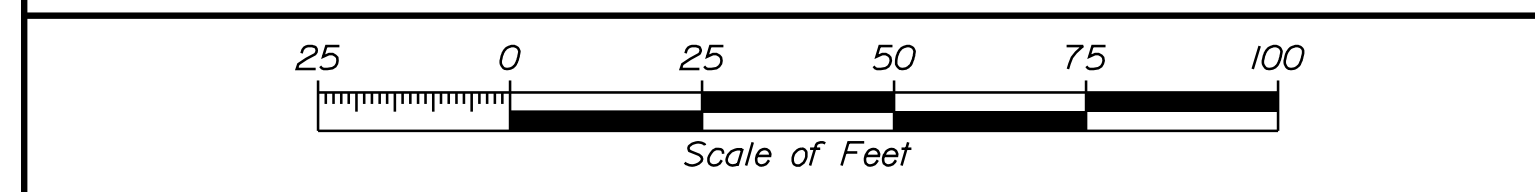
Sanitary Sewer _____
 Telephone Line _____
 Electric Line _____
 Water Line _____
 Underdrain Line _____
 Gas Line _____
 Guardrail _____
 Culvert _____

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

Cut Line _____
 Stonewall _____
 Baseline _____
 Monument _____
 Iron Rod Found _____
 Replacement Pin Set _____

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 ABUTTING PROPERTY OWNERS.



STATE OF MAINE
 REGISTRY OF DEEDS
 COUNTY _____
 RECEIVED _____,
 at _____ h _____ m _____ M and
 recorded in Plan Bk _____, Pg. _____
 Attest: _____
 REGISTER

CURVE DATA #2
 PI = 13+65.89
 D = 3°34'51.6"
 Δ = 4°54'51.3" Lt.
 R = 1600.00'
 L = 137.23'
 T = 68.66'
 E = 1.47'

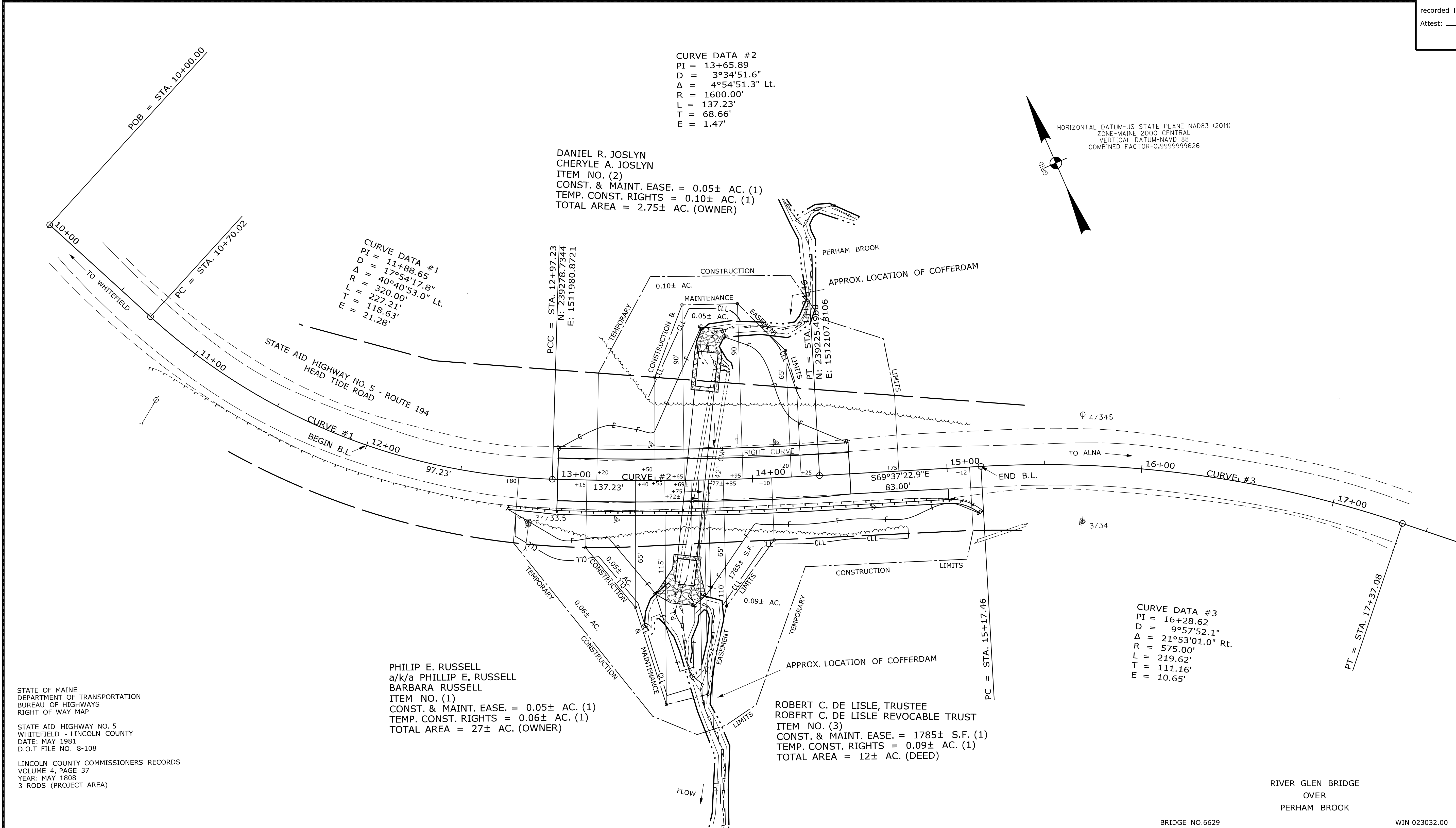
DANIEL R. JOSLYN
 CHERYLE A. JOSLYN
 ITEM NO. (2)
 CONST. & MAINT. EASE. = 0.05± AC. (1)
 TEMP. CONST. RIGHTS = 0.10± AC. (1)
 TOTAL AREA = 2.75± AC. (OWNER)

CURVE DATA #1
 PI = 11+89.65
 D = 17°54'17.8"
 Δ = 40°40'53.0" Lt.
 R = 320.00'
 L = 227.21'
 T = 118.63'
 E = 21.28'

CURVE DATA #3
 PI = 16+28.62
 D = 9°57'52.1"
 Δ = 21°53'01.0" Rt.
 R = 575.00'
 L = 219.62'
 T = 111.16'
 E = 10.65'

PHILIP E. RUSSELL
 a/k/a PHILLIP E. RUSSELL
 BARBARA RUSSELL
 ITEM NO. (1)
 CONST. & MAINT. EASE. = 0.05± AC. (1)
 TEMP. CONST. RIGHTS = 0.06± AC. (1)
 TOTAL AREA = 27± AC. (OWNER)

ROBERT C. DE LISLE, TRUSTEE
 ROBERT C. DE LISLE REVOCABLE TRUST
 ITEM NO. (3)
 CONST. & MAINT. EASE. = 1785± S.F. (1)
 TEMP. CONST. RIGHTS = 0.09± AC. (1)
 TOTAL AREA = 12± AC. (DEED)



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 RIGHT OF WAY MAP
 STATE AID HIGHWAY NO. 5
 WHITEFIELD - LINCOLN COUNTY
 DATE: MAY 1981
 D.O.T FILE NO. 8-108
 LINCOLN COUNTY COMMISSIONERS RECORDS
 VOLUME 4, PAGE 37
 YEAR: MAY 1808
 3 RODS (PROJECT AREA)

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

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

REVISIONS			PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD					
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE			
						COND.	9/14/20	5583	23	BRUCE A. VAN NOTE		
										COMMISSIONER		
										JOYCE NOEL TAYLOR		
										CHIEF ENGINEER		
										DATE		

STATE AID HIGHWAY NO. 5
 ROUTE 194 / HEAD TIDE ROAD
 WHITEFIELD
 LINCOLN COUNTY
 STATE PROJECT NO. 23032.00

FEBRUARY 2020
 SCALE 1" = 25'
 RIGHT-OF-WAY MAP
 SHEET 1 OF 1
 D.O.T. FILE NO. 8-195

SHEET NUMBER
 15
 OF 15

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