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**STATE OF MAINE
DEPARTMENT OF TRANSPORTATION**

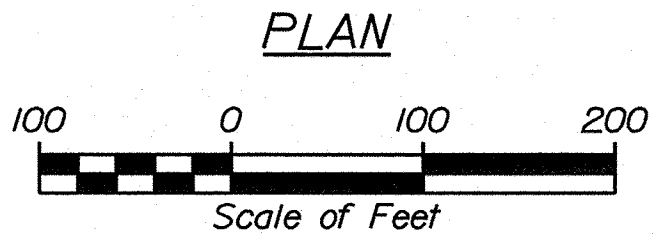
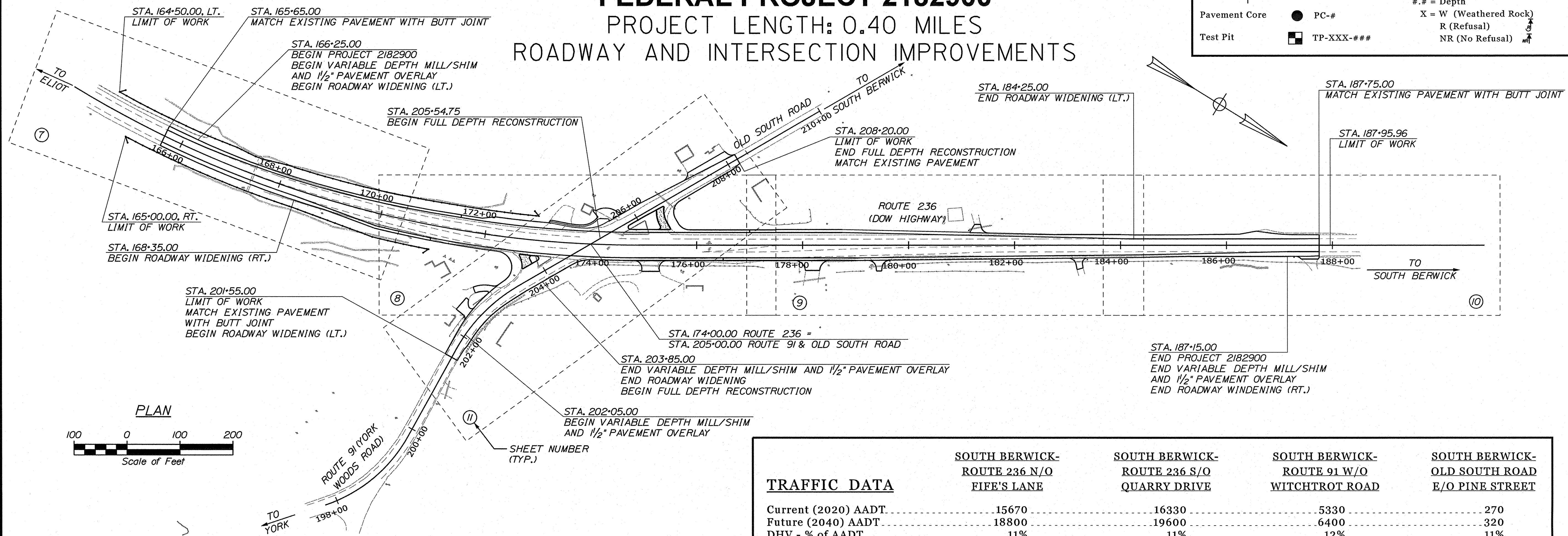


**SOUTH BERWICK
YORK COUNTY**

**ROUTE 236 AND ROUTE 91
FEDERAL PROJECT 2182900
ROADWAY AND INTERSECTION IMPROVEMENTS**

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 Existing	-----	Fire Hydrants	⊙ Existing ⊕ Proposed
Curbing Proposed	-----	Existing Water Line	-----
Type 1	-----	Existing San. Sewer	-----
Type 3	-----	Existing San. Sewer Manhole	⊙
Type 5	-----	Guardrail-Existing	-----
Outline of Bodies of Water	-----	Guardrail-Proposed	-----
Exposed Bedrock	-----	Guardrail-Cable, Other	-----
Buildings	-----	Centerline-Existing	-----
Trees	✻ Conifer ✪ Deciduous	Centerline-Proposed	-----
Tree Line	-----	Travelway-Existing	-----
Clearing Limit Line	-----	Travelway-Proposed	-----
Railroad	-----		
Boring	⊕ HB-XXX-###	Probe	⊕ P-#.X
Pavement Core	● PC-#	#.# = Depth	
Test Pit	⊠ TP-XXX-###	X = W (Weathered Rock)	
		R (Refusal)	
		NR (No Refusal)	



TRAFFIC DATA

	SOUTH BERWICK- ROUTE 236 N/O FIFE'S LANE	SOUTH BERWICK- ROUTE 236 S/O QUARRY DRIVE	SOUTH BERWICK- ROUTE 91 W/O WITCHTROT ROAD	SOUTH BERWICK- OLD SOUTH ROAD E/O PINE STREET
Current (2020) AADT	15670	16330	5330	270
Future (2040) AADT	18800	19600	6400	320
DHV - % of AADT	11%	11%	12%	11%
Design Hour Volume	2068	2156	768	35
% Heavy Trucks (AADT)	7%	7%	5%	3%
% Heavy Trucks (DHV)	4%	5%	3%	3%
Directional Distribution (DHV)	69%	64%	61%	61%
18 kip Equivalent P 2.0	534	466	82	2
18 kip Equivalent P 2.5	509	444	78	2
Design Speed (mph)	45 MPH	45 MPH	35 MPH	25 MPH
Functional Class	Minor Arterial	Minor Arterial	Major Collector	Local
Corridor Priority	1	1	3	6

PROJECT LOCATION:	The project is located at the intersection of Route 236, Route 91, and Old South Road, in South Berwick.
PROGRAM AREA:	Multimodal Program
OUTLINE OF WORK:	Install new traffic signal at the intersection and provide geometric improvements including provisions for a westbound right turn lane on Route 91, an additional through lane on Route 236 Northbound, and repurposed channelized right turn lanes on Route 236.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED: [Signature] DATE: 5-13-22
COMMISSIONER: [Signature] CHIEF ENGINEER: [Signature]

STATE OF MAINE PROFESSIONAL ENGINEER
DONALD G. ETTINGER, JR. No. 9244
SIGNATURE: 9244 P.E. NUMBER: 05-05-2022 DATE

PROJECT INFORMATION
PROGRAM: MULTIMODAL
PROJECT MANAGER: A. GORNEAU II
DESIGNER: D. ETTINGER
DESIGNER: GORRILL PALMER
PROJECT RESIDENT: GORRILL PALMER
CONTRACTOR: [Blank]
PROJECT COMPLETION DATE: [Blank]

WIN 21829.00 SOUTH BERWICK & ROUTE 91
ROUTE 236 & ROUTE 91
TITLE SHEET

SHEET NUMBER
1
OF 55

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Date: 5/15/2022
Username: Mike.Cundiff
Division: HIGHWAY
Filename: ... \00\Highway\001_Title.dgn
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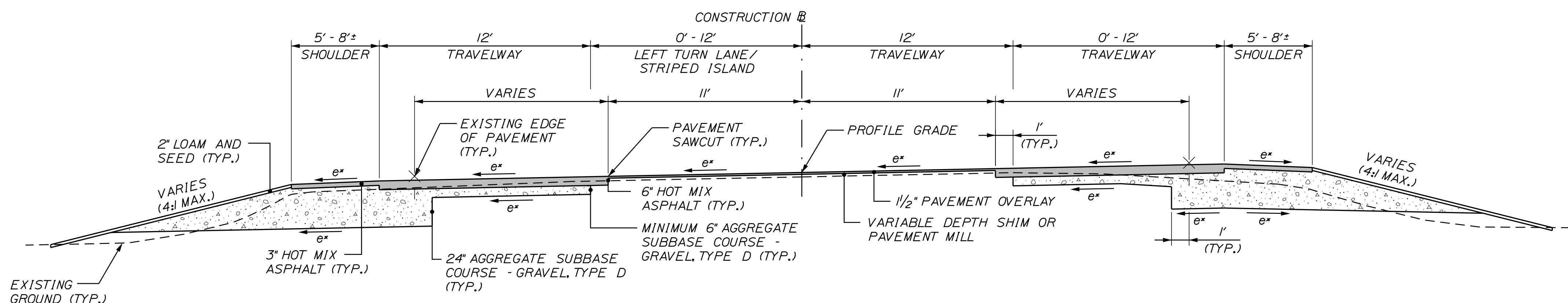
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Division: HIGHWAY

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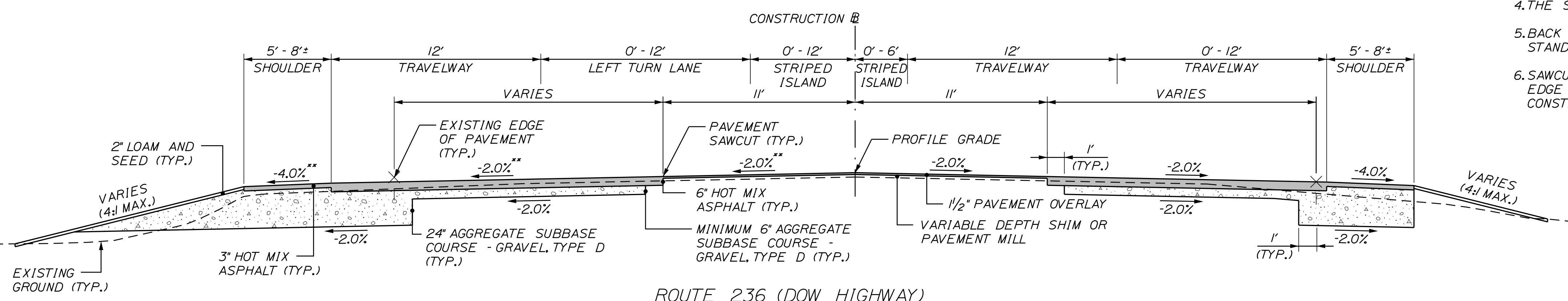


* SEE SUPER (e) TABLE FOR CROSS SLOPES

ROUTE 236 (DOW HIGHWAY)
SUPERELEVATED
STA. 165+65 TO STA. 176+50

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 STATIONING UNDER EACH TYPICAL IS APPROXIMATE.
5. BACK SLOPE ROUNDING SHALL BE ACCORDING TO MAINE DOT STANDARD DETAIL 203(03).
6. SAWCUT LOCATIONS SHALL BE 2' INSIDE PROPOSED CURB OR EDGE OF EXISTING PAVEMENT, WHICHEVER IS CLOSEST TO THE CONSTRUCTION CENTERLINE. COORDINATE WORK WITH RESIDENT.

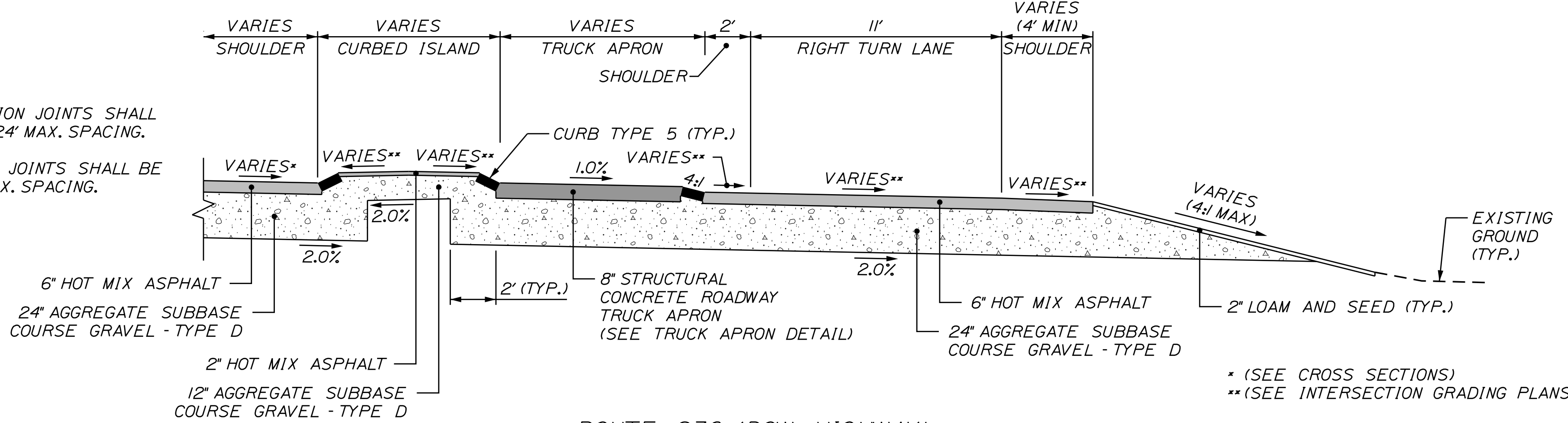


** SEE CROSS SECTIONS

ROUTE 236 (DOW HIGHWAY)
NORMAL CROWN
STA. 176+50 TO STA. 184+25, LT.
STA. 176+50 TO STA. 187+15, RT.

TRUCK APRON NOTES:

1. CONCRETE EXPANSION JOINTS SHALL BE PROVIDED AT 24' MAX. SPACING.
2. CONCRETE CONTROL JOINTS SHALL BE PROVIDED AT 8' MAX. SPACING.



ROUTE 236 (DOW HIGHWAY)
PROPOSED CHANNELIZED RIGHT TURN LANE
STA. 172+28, RT. TO STA. 203+26, LT.
STA. 175+87, LT. TO STA. 206+88, RT.

* (SEE CROSS SECTIONS)
** (SEE INTERSECTION GRADING PLANS)

LEFT SHOULDER	LEFT TRAVELWAY	STATION	RIGHT TRAVELWAY	RIGHT SHOULDER
MATCH EXIST.	MATCH EXIST.	166+00	MATCH EXIST.	MATCH EXIST.
-6.0%	-4.6%	166+50	MATCH EXIST.	MATCH EXIST.
-5.0%	-4.0%	167+00	MATCH EXIST.	MATCH EXIST.
-4.0%	-4.0%	168+00	MATCH EXIST.	MATCH EXIST.
-4.0%	-4.0%	168+50	4.0%	-5.0%
-4.0%	-4.0%	169+00	4.0%	-4.0%
-4.0%	-4.0%	169+50	4.0%	-3.0%
-4.0%	-4.0%	170+00	4.0%	-2.0%
-4.0%	-4.0%	170+50	4.0%	-2.0%
-4.0%	-4.0%	171+00	4.0%	-2.0%
-4.0%	-4.0%	171+50	4.0%	-2.0%
-4.0%	-4.0%	172+00	4.0%	-2.0%
-4.0%	-4.0%	172+50	4.0%	-2.0%
-4.0%	-4.0%	173+00	4.0%	-2.0%
-4.0%	-4.0%	173+50	4.0%	-2.0%
-4.0%	-4.0%	174+00	4.0%	-2.0%
-4.0%	-4.0%	174+50	4.0%	-2.0%
-4.0%	-2.5%	175+00	2.5%	-4.0%
-4.0%	-2.0%	175+16.67	2.0%	-4.0%
-4.0%	-2.0%	175+50	1.0%	-4.0%
-4.0%	-2.0%	176+00	-0.5%	-4.0%
-4.0%	-2.0%	176+50	-2.0%	-4.0%

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
A. CORNEAU II	M. CUNDIFF	04/22			
DESIGN-DETAILED	J. WINCHENBACH	04/22			
CHECKED-REVIEWED	D. ETINGER	04/22			
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SOUTH BERWICK
ROUTE 236 & ROUTE 91
TYPICAL SECTIONS

SHEET NUMBER

2

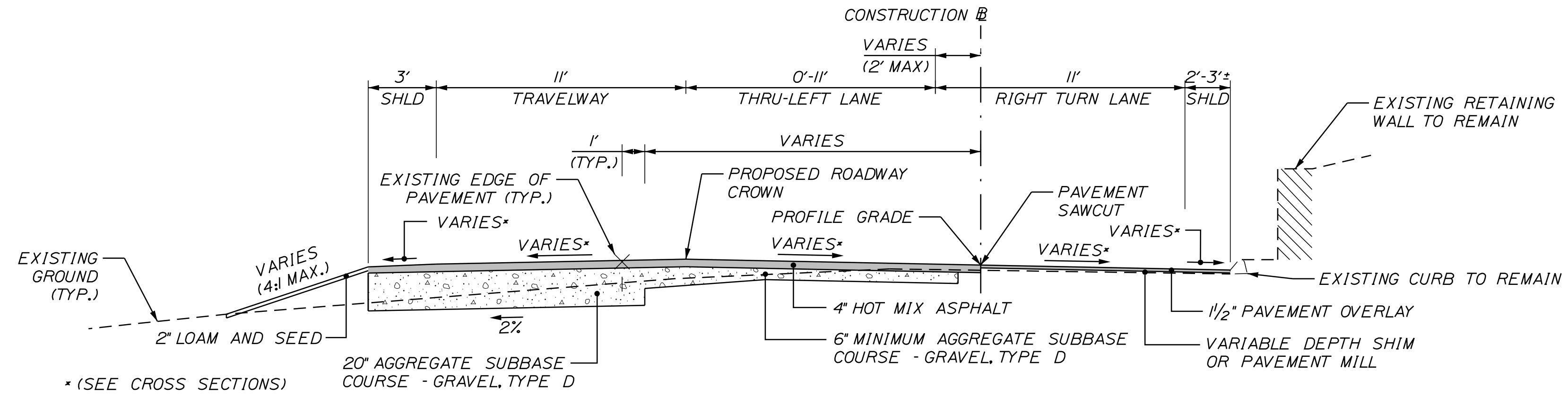
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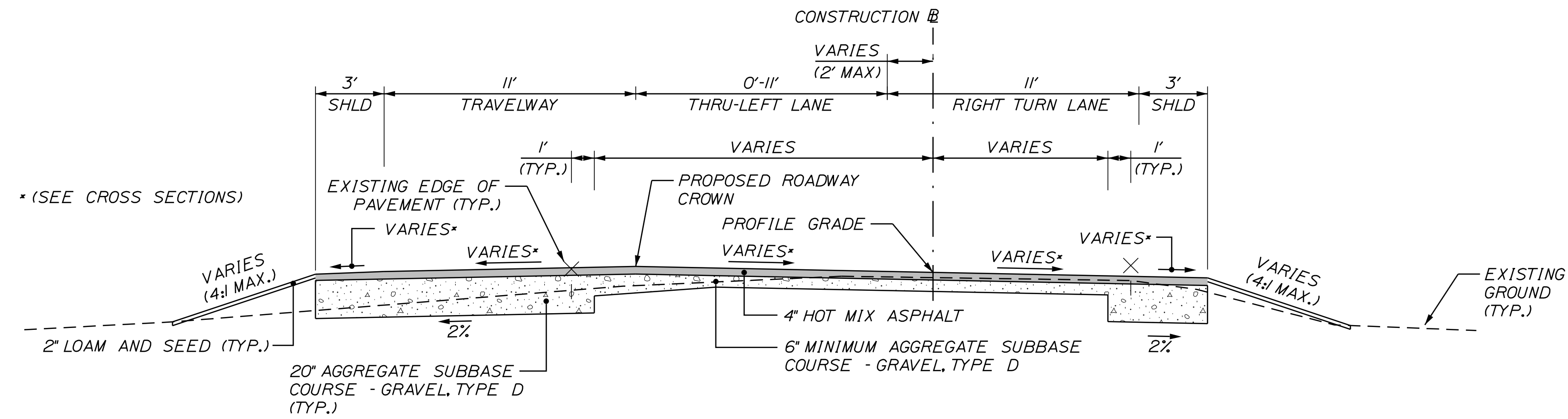
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NOT TO SCALE

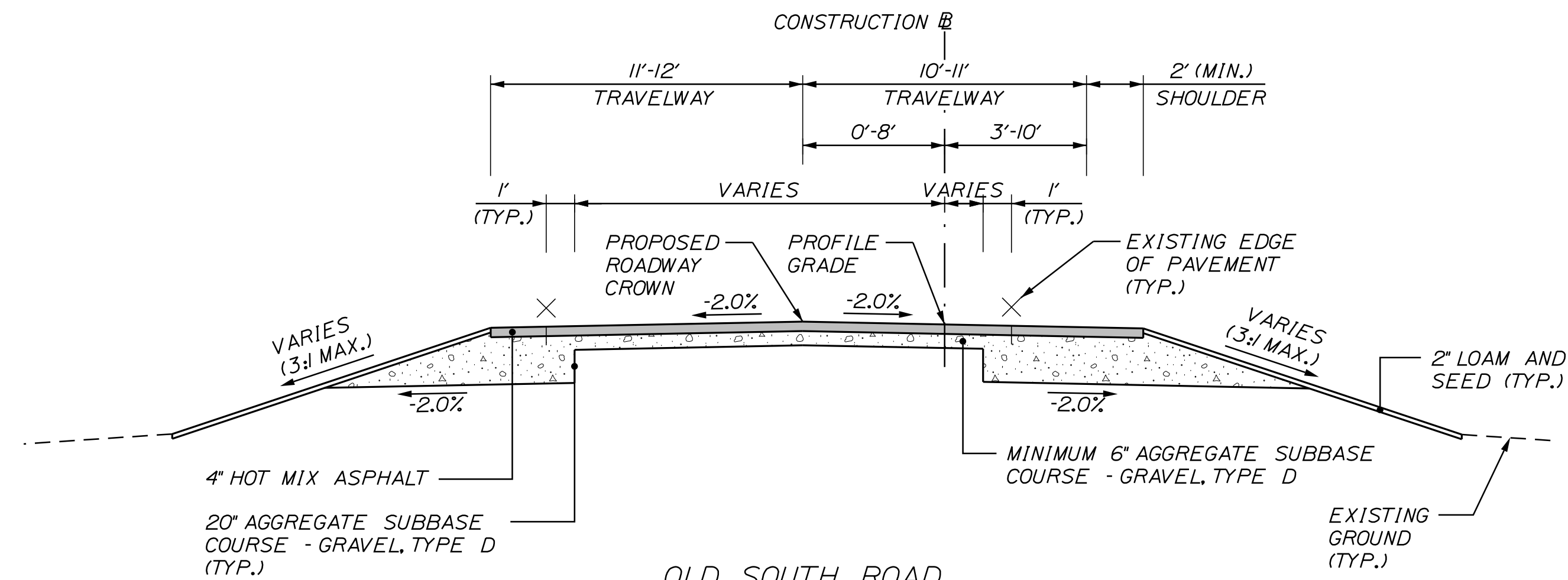
SHLD = SHOULDER



ROUTE 91 (YORK WOODS ROAD)
WIDEN AND OVERLAY
STA. 201+55 TO STA. 203+85



ROUTE 91 (YORK WOODS ROAD)
PARTIAL DEPTH RECONSTRUCTION
STA. 203+85 TO STA. 204+45



OLD SOUTH ROAD
FULL DEPTH RECONSTRUCTION
STA. 205+55 TO STA. 208+20

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DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SOUTH BERWICK
ROUTE 236 & ROUTE 91
TYPICAL SECTIONS

SHEET NUMBER

3

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Date: 4/7/2022

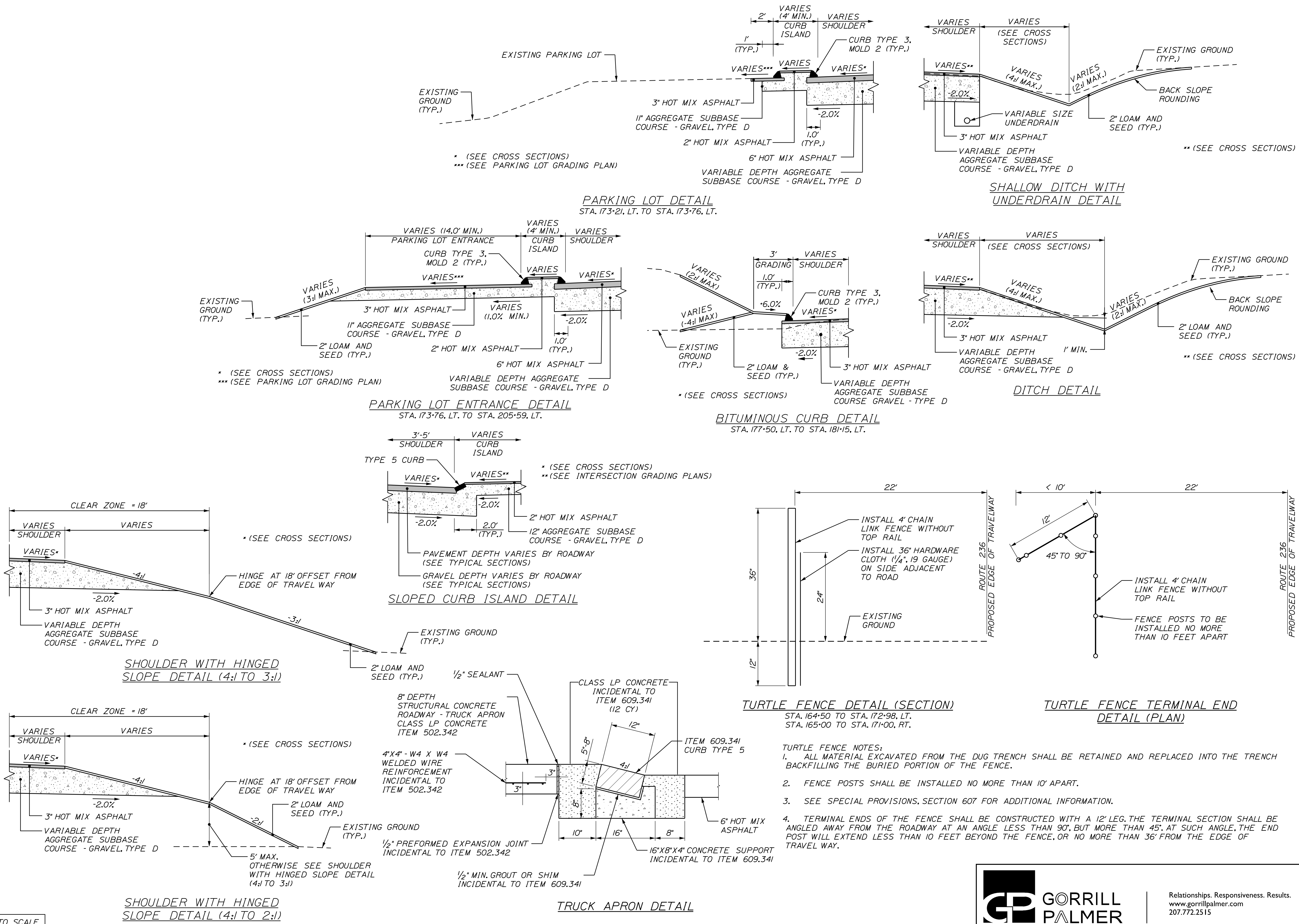
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Division: HIGHWAY

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

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J. WINGENBACH	D. ETINGER	04/22			
DESIGN DETAILED					
DESIGN DETAILED					
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REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
A. CORNEAU II	M. CUNDIFF	04/22			
J. WINGENBACH	D. ETINGER	04/22			
DESIGN DETAILED					
DESIGN DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

**SOUTH BERWICK
ROUTE 236 & ROUTE 91**

DETAILS SHEET

SHEET NUMBER

4

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1. PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
2. THE UTILITIES INVOLVED IN THIS CONTRACT ARE NOTED IN THE SPECIAL PROVISIONS. SEE SP 104, UTILITIES FOR ADDITIONAL INFORMATION.
3. THE LOCATION OF THE EXISTING UTILITIES AND DRAINAGE SHOWN ON THE PLANS WERE COMPILED FROM FIELD SURVEY. LOCATIONS ARE APPROXIMATE AND NOT GUARANTEED TO BE ACCURATE, NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED.
4. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.
5. 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.
6. 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.
7. THE CLEARING AND SELECTIVE CLEARING AND THINNING LINES SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. THE ACTUAL LINES FOR CLEARING AND THINNING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE RESIDENT.
8. STUMP REMOVAL HAS BEEN ESTIMATED UNDER STANDARD SPECIFICATIONS ITEM 201.24. REMOVE STUMP. HOWEVER, WHERE DIRECTED BY THE RESIDENT, STANDARD SPECIFICATIONS ITEM 631.20, STUMP CHIPPER RENTAL (INCLUDING OPERATOR) MAY BE USED TO REMOVE STUMPS.
9. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS. 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.
10. ANY NECESSARY FINE GRADING OR RECOMPACTION OF EXISTING GRAVEL SHALL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED INCIDENTAL TO ITEM 304.10.
11. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.
12. 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.
13. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE FILL SIDE SLOPES WITHOUT GUARDRAIL UNLESS OTHERWISE NOTED ON THE PLANS.
14. 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.
15. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, LATEST EDITION.
16. 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.
17. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 2 INCHES OF HOT MIX ASPHALT AND 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.
18. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 3 INCHES OF HOT MIX ASPHALT AND 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.
19. A 3-FOOT PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
20. ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE SAWCUT AND VERTICAL.
21. PAVEMENT CUT LINES SHALL BE NEAT, CLEAN AND STRAIGHT AS DIRECTED BY THE RESIDENT. PAYMENT FOR CUTTING OF EXISTING PAVEMENT SHALL BE INCIDENTAL TO THE RELATED CONTRACT ITEMS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 401.17 JOINTS.
22. 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.
23. DO NOT EXCAVATE FOR AGGREGATE SUBBASE COURSE WHERE EXISTING MATERIAL IS SUITABLE AS DETERMINED BY THE RESIDENT.
24. IN AREAS WHERE THE RESIDENT DIRECTS THE CONTRACTOR NOT TO EXCAVATE TO THE SUBGRADE LINE SHOWN ON THE PLANS, PAYMENT FOR REMOVING EXISTING PAVEMENT, GRUBBING, SHAPING, DITCHING, AND COMPACTING THE EXISTING SUBBASE AND LAYERS OF NEW SUBBASE 6 INCHES OR LESS THICK WILL BE MADE UNDER APPROPRIATE EQUIPMENT RENTAL ITEMS.

25. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW-SIDE SHOULDER, THE LOW-SIDE SHOULDER WILL HAVE SAME SLOPE AS THE TRAVELWAY.
26. CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
27. THE ALGEBRAIC DIFFERENCE BETWEEN TRAVELWAY AND SHOULDER CROSS SLOPE SHALL NOT EXCEED 8 PERCENT.
28. EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE RESIDENT UNDER THE APPROPRIATE PAY ITEMS.
29. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
30. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
31. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTH-LINED PIPES.
32. FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
33. CATCH BASIN AND RIM ELEVATIONS (INCL. "BEHIND CURB CATCH BASINS") NOTED ON THE CROSS SECTIONS ARE THE TOP OF GRATE ELEVATIONS AT THE CENTER OF GRATE. CATCH BASIN OFFSET LOCATIONS ARE MEASURED TO CENTER OF GRATE.
34. PLASTIC END CAPS SHALL BE PLACED ON THE INLET END OF ALL DEAD-END 6-INCH TYPE B UNDERDRAIN AND SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
35. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 604, MANHOLES, INLETS AND CATCH BASINS.
36. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 603, PIPE CULVERTS AND STORM DRAINS OR STANDARD SPECIFICATIONS SECTION 605, UNDERDRAINS.
37. AS DIRECTED BY THE RESIDENT, ALL EXISTING UNDERDRAIN OUTLETS SHALL BE LOCATED, CLEANED OUT AND DITCHED AS REQUIRED OR REPLACED AS NECESSARY. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
38. ALL UNDERDRAIN SHOWN ON THE CROSS SECTIONS WILL HAVE THE FLOW LINE SCALED FROM THE CROSS SECTIONS. ALL FLOW LINE ELEVATIONS ARE SUBJECT TO APPROVAL BY THE RESIDENT.
39. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19 AND WILL BE PAID FOR AS GRANULAR BORROW.
40. A 3-FOOT BY 3-FOOT SQUARE RIPRAP PAD SHALL BE CONSTRUCTED AT EACH UNDERDRAIN OUTLET.
41. ALL DITCH ELEVATIONS SHOWN ON THE CROSS SECTIONS ARE FOR THE FINISHED DITCH FLOW LINE.
42. 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.
43. A DELINEATOR POST (STANDARD SPECIFICATIONS ITEM 606.356, UNDERDRAIN DELINEATOR POST) WILL BE INSTALLED AT EACH UNDERDRAIN OUTLET.
44. A DELINEATOR POST (STANDARD SPECIFICATIONS ITEM 606.356, UNDERDRAIN DELINEATOR POST) WILL BE INSTALLED AT EACH END OF EACH RUN OF BITUMINOUS CURB.
45. REMOVAL OF EXISTING CURBING SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20, COMMON EXCAVATION.
46. ALL GRANITE CURBING THAT IS REMOVED AND STACKED AND NOT REUSED ON THE PROJECT SHALL BE TURNED OVER TO THE CONTRACTOR. PAYMENT FOR WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20, COMMON EXCAVATION.
47. 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.
48. 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.
49. 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.
50. MULCH SHALL BE APPLIED IN AREAS SEEDED BY SEEDING METHOD NO. 1 AND SEEDING METHOD NO. 2.
51. ACRYLIC LATEX COLOR FINISH GREEN (STANDARD SPECIFICATIONS ITEM 658.20, ACRYLIC LATEX COLOR FINISH) SHALL BE PLACED ON ALL PAVED ISLANDS.
52. CONTRACTOR SHALL COORDINATE PROPOSED MAILBOX LOCATIONS WITH RESIDENT AND PROPERTY OWNERS.

53. 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.
54. 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.
55. 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.
56. AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
57. 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 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.
58. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.
59. 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.
60. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
61. 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.
62. ALL WORK TO CONFORM TO CURRENT MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS, AND TOWN OF SOUTH BERWICK REQUIREMENTS.
63. SEE STRIPING PLANS FOR ADDITIONAL NOTES REGARDING THE PROJECT STRIPING.
64. SEE SIGNING PLANS FOR ADDITIONAL NOTES REGARDING THE PROJECT SIGNING.
65. CONCRETE PIPE TIES (ITEM NUMBER 603.55) SHALL BE USED AT THE LAST TWO JOINTS ON OPEN ENDED REINFORCED CONCRETE PIPES.
66. FOR EASEMENTS, CONSTRUCTION LIMITS, AND RIGHT-OF-WAY LINES, REFER TO RIGHT OF WAY PLANS.
67. PROPOSED SAWCUT AND BOX GRAVEL LOCATIONS ARE SUBJECT TO CHANGE AT THE DIRECTION OF THE RESIDENT.
68. 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.
69. 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.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2182900
WIN
21829.00

PROJ. MANAGER	A. CORNEAU II	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	J. WINCHENBACH	M. CUNDIFF	04/22			
CHECKED-REVIEWED	D. ETINGER		04/22			
DESIGN-DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

SOUTH BERWICK
ROUTE 236 & ROUTE 91
GENERAL NOTES

SHEET NUMBER

5
OF 55



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Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \006_ConstructionNotes.dgn

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DRIVES AND ENTRANCES

LOCATION	DESCRIPTION	OPENING
STA. 175+12, RT.	PAVED COMMERCIAL	34 FT.
STA. 178+16, RT.	PAVED COMMERCIAL	26 FT.
STA. 179+45, RT.	PAVED RESIDENTIAL	11 FT.
STA. 181+30, LT.	PAVED RESIDENTIAL	11 FT.
STA. 183+22, RT.	PAVED RESIDENTIAL	12 FT.
STA. 187+60, RT.	PAVED RESIDENTIAL	31 FT.
STA. 202+40, LT.	PAVED RESIDENTIAL	17 FT.
STA. 203+00, LT.	PAVED RESIDENTIAL	12 FT.
STA. 205+69, LT.	PAVED RESIDENTIAL	14 FT. (SEE PARKING LOT GRADING PLAN)
STA. 207+66, LT.	PAVED RESIDENTIAL	81 FT.

ITEM 201.11 - CLEARING

STA. 169+85 TO STA. 171+00, RT.
STA. 171+19, RT. TO STA. 203+08, LT.
STA. 176+61 TO STA. 177+35, RT.
STA. 179+64 TO STA. 182+89, RT.
STA. 201+55 TO STA. 207+71, RT.

ITEM 201.23 - REMOVING SINGLE TREE TOP ONLY

LOCATION	DESCRIPTION
STA. 177+95.39, 39.43' LT.	18" DECID.
STA. 202+87.83, 22.56' LT.	18" TWIN CEDAR

ITEM 201.24 - REMOVING STUMP

LOCATION	DESCRIPTION
STA. 177+95.39, 39.43' LT.	18" DECID.
STA. 202+87.83, 22.56' LT.	18" TWIN CEDAR

ITEM 202.15 - REMOVE MANHOLE OR CATCH BASIN

LOCATION	DESCRIPTION
STA. 174+60.16, 18.91' LT.	

ITEM 603.16 - 15" CULVERT PIPE OPTION I

LOCATION	DESCRIPTION	LENGTH
STA. 174+89.83, 39.56' RT. TO STA. 175+35.70, 39.66' RT.		46 FT.
STA. 177+83.54, 70.20' RT. TO STA. 178+42.49, 61.91' RT.		60 FT.
STA. 179+26.92, 44.31' RT. TO STA. 179+55.88, 41.90' RT.		30 FT.

ITEM 603.169 - 15" CULVERT PIPE OPTION III

LOCATION	DESCRIPTION	LENGTH
CB9 TO STA. 182+00.00, 36.66' LT.		14 FT.

ITEM 603.175 - 18" RCP CLASS III

LOCATION	DESCRIPTION	LENGTH
CB1A TO CB1		69 FT.
CB1 TO CB2		26 FT.
CB2 TO CB3		33 FT.
CB5 TO CB6		49 FT.
CB6 TO STA. 175+81.37, 56.11' LT.		112 FT.

ITEM 603.179 - 18" CULVERT PIPE OPTION III

LOCATION	DESCRIPTION	LENGTH
CB1A TO STA. 172+00.00, 47.87' RT.		18 FT.
STA. 173+00.00, 49.87' LT. TO CB4		14 FT.

ITEM 604.092 - CATCH BASIN TYPE B1-C

LOCATION	DESCRIPTION
STA. 173+00.00, 33.88' LT.	CB4
STA. 174+15.57, 33.41' LT.	CB5
STA. 174+68.91, 35.24' LT.	CB6
STA. 182+00.00, 20.66' LT.	CB9
STA. 203+85.00, 21.88' LT.	CB2
STA. 203+85.00, 14.87' RT.	CB3

ITEM 604.247 - CATCH BASIN TYPE F5-C

LOCATION	DESCRIPTION
STA. 178+50.00, 27.88' LT.	CB7 (WITH 2' SUMP)
STA. 180+00.00, 25.11' LT.	CB8

ITEM 604.262 - CATCH BASIN TYPE B5-C

LOCATION	DESCRIPTION
STA. 172+00.00, 27.87' RT.	CB1A
STA. 172+71.32, 27.87' RT.	CB1

ITEM 605.09 - 6" UD TYPE "B"

LOCATION	LENGTH
STA. 177+00.00 TO CB7	149 FT.
STA. 179+23.67 TO STA. 181+00.00, RT.	177 FT.
STA. 181+10.26 TO STA. 187+74.96, RT.	665 FT.
STA. 202+00.00 TO CB2	192 FT.
CB3 TO STA. 177+00.00, RT.	401 FT.

ITEM 605.09 - 6" UD TYPE "B" (OUTLET)

LOCATION	LENGTH
STA. 179+06.46 TO STA. 179+23.67, RT.	25 FT.
STA. 187+74.96 TO STA. 187+92.75, RT.	25 FT.

ITEM 605.11 - 12" UD TYPE "C"

LOCATION	LENGTH
CB7 TO CB8	148 FT.
CB8 TO CB9	197 FT.

ITEM 605.13 - 18" UD TYPE "C"

LOCATION	LENGTH
CB4 TO CB5	111 FT.

ITEM 606.47 - SINGLE WOOD POST

LOCATION	DESCRIPTION
STA. 202+28.3, 22.3' LT.	
STA. 174+92.9, 48.1' RT.	
STA. 179+64.7, 29.8' RT.	
STA. 181+14.0, 27.8' LT.	
STA. 183+37.5, 27.1' RT.	
STA. 187+27.6, 22.5' RT.	

ITEM 607.165 - CHAIN LINK FENCE - 4 FOOT WITHOUT TOP RAIL (TURTLE FENCE)

LOCATION	QUANTITY
STA. 164+50.00 TO STA. 172+98.00, LT.	856 FT.
STA. 165+00.00 TO STA. 171+00.00, RT.	636 FT.

ITEM 610.08 - PLAIN RIPRAP

LOCATION	DESCRIPTION	QUANTITY
STA. 172+00.00, RT. CULVERT END		3.6 CY
STA. 172+42.00, RT. DOWNSPOUT		5.5 CY
STA. 173+00.00, LT. CULVERT END		3.5 CY
STA. 174+89.83, RT. CULVERT END		1.5 CY
STA. 175+35.70, RT. CULVERT END		1.5 CY
STA. 175+81.37, LT. CULVERT END		5.0 CY
STA. 177+83.54, RT. CULVERT END		1.5 CY
STA. 178+42.49, RT. CULVERT END		1.5 CY
STA. 179+06.46, RT. UD OUTLET		0.5 CY
STA. 179+26.92, RT. CULVERT END		1.5 CY
STA. 179+55.88, RT. CULVERT END		1.5 CY
STA. 181+53.96, LT. DOWNSPOUT		3.2 CY
STA. 182+00.00, LT. CULVERT END		2.9 CY
STA. 187.92.75, RT. UD OUTLET		0.5 CY
STA. 206+80.00, RT. DOWNSPOUT		6.8 CY

FULL DEPTH PAVEMENT IN SHOULDER

LOCATION	DESCRIPTION
STA. 171+00 TO STA. 176+50, RT.	
STA. 171+50 TO STA. 177+00, LT.	

EARTHWORK SUMMARY

COMMON EXCAVATION FOR ESTIMATE			
COMMON EXCAVATION (FROM MODEL OR PLANS)	3822		
GRUBBING IN FILL	228		
TOTAL COMMON EXCAVATION		4050	
FILL FOR BORROW CALCULATIONS			
COMMON FILL (FROM MODEL OR PLANS)	2030		
GRUBBING IN FILL	228		
TOTAL FILL		2258	
ROCK EXCAVATION FOR ESTIMATE			
ROCK EXCAVATION (FROM CROSS SECTIONS)	25		
TOTAL ROCK EXCAVATION		25	
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS			
ALL DEDUCTIONS:			
GRUBBING IN CUT	575		
GRUBBING IN FILL	228		
TOTAL DEDUCTIONS		803	
TOTAL AVAILABLE COMMON EXCAVATION (-) TOTAL DEDUCTIONS	3247		
TOTAL AVAILABLE STRUCTURAL EXCAVATION (UNDERDRAIN ONLY)	10		
RIPRAP EXCAVATION	41		
TOTAL AVAILABLE NON-ROCK EXCAVATION		3298	
COMPUTATION OF WASTE STORAGE & WASTE MATERIAL			
TOTAL AVAILABLE WASTE STORAGE AREA (FROM CROSS SECTIONS)	0		
GRUBBING IN CUT	575		
GRUBBING IN FILL	228		
TOTAL WASTE MATERIAL	803		
TOTAL WASTE MATERIAL TO BE UTILIZED*		0	
TOTAL WASTE MATERIAL TO BE WASTED		803	
COMPUTATION FOR GRANULAR BORROW FOR ESTIMATE			
GRANULAR BORROW FOR CULVERT BEDDING	10		
TOTAL GRANULAR BORROW		10	
COMPUTATION FOR SURPLUS MATERIAL OR COMMON BORROW FOR ESTIMATE			
TOTAL AVAILABLE NON-ROCK EXCAVATION	3298 x 0.90	=	2968
TOTAL AVAILABLE ROCK EXCAVATION	25 x 1.30	=	33
TOTAL AVAILABLE STRUCTURAL ROCK EXCAVATION	10 x 1.30	=	13
TOTAL WASTE MATERIAL TO BE UTILIZED	0 x 0.90	=	0
TOTAL AVAILABLE EXCAVATION		3014	
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		1559	
SURPLUS MATERIAL		1559 CY	
COMMON BORROW		0 CY	

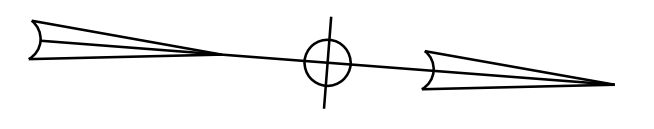
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	2182900	WIN 21829.00
SOUTH BERWICK ROUTE 236 & ROUTE 91	CONSTRUCTION NOTES	
SHEET NUMBER	6	
OF 55		



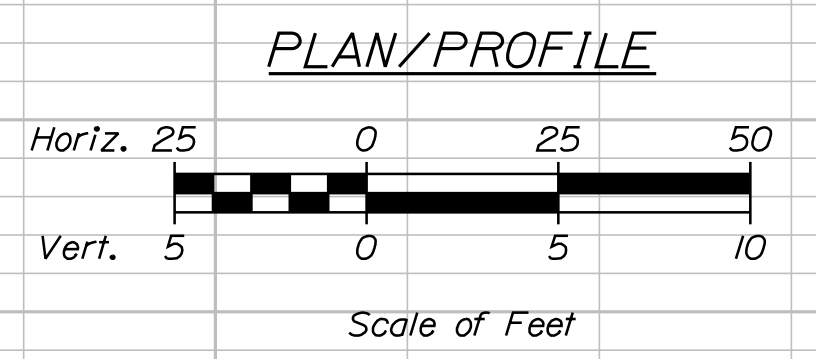
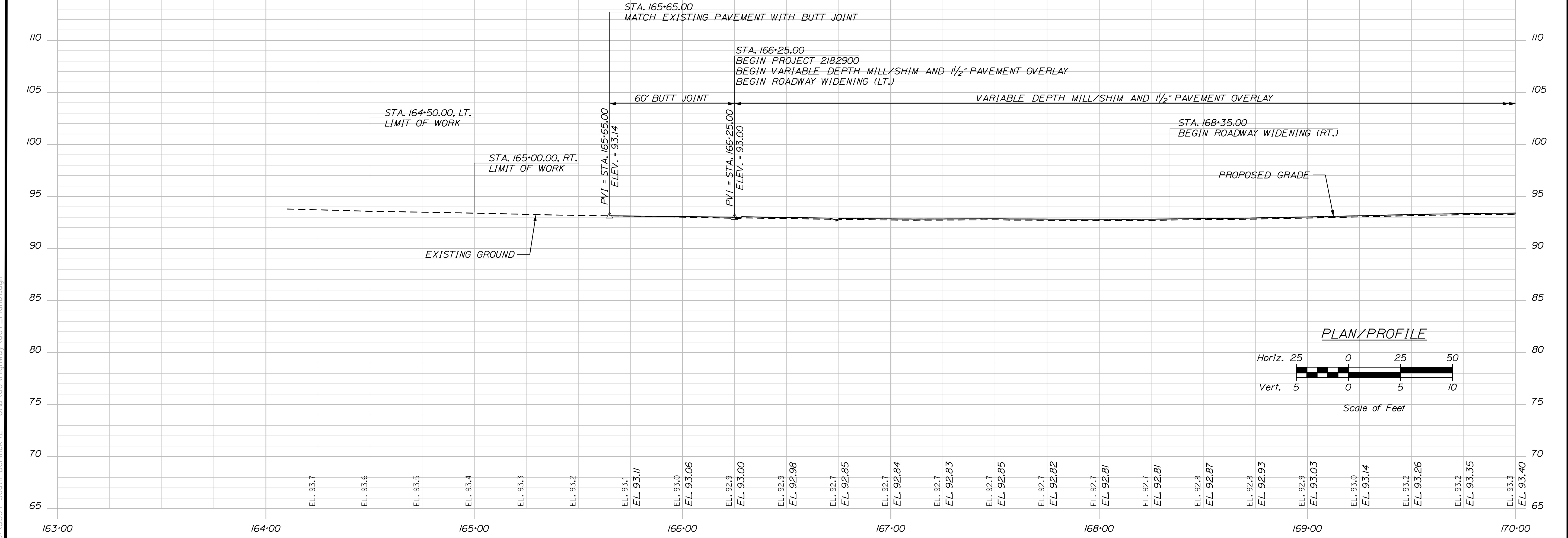
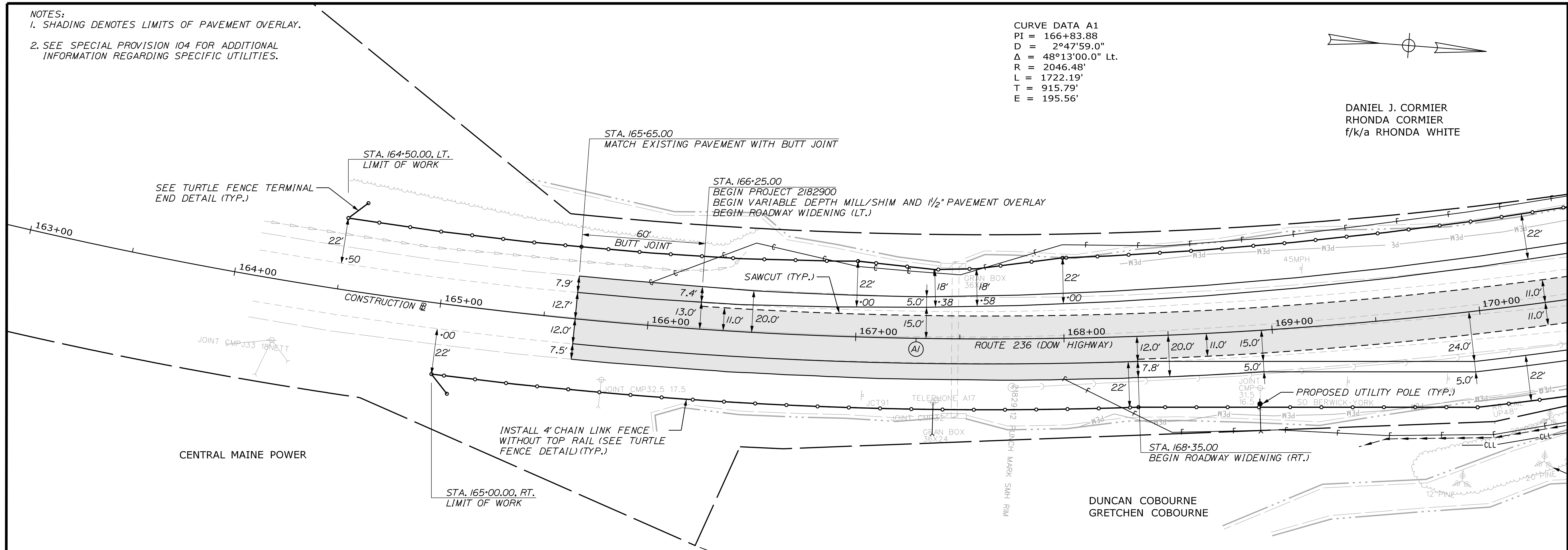
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NOTES:
 1. SHADING DENOTES LIMITS OF PAVEMENT OVERLAY.
 2. SEE SPECIAL PROVISION 104 FOR ADDITIONAL INFORMATION REGARDING SPECIFIC UTILITIES.

CURVE DATA A1
 PI = 166+83.88
 D = 2°47'59.0"
 Δ = 48°13'00.0" Lt.
 R = 2046.48'
 L = 1722.19'
 T = 915.79'
 E = 195.56'



DANIEL J. CORMIER
 RHONDA CORMIER
 f/k/a RHONDA WHITE



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 2182900
 WIN
 21829.00

DATE	BY	REVISIONS
04/22	A. CORNEAU II	DESIGN DETAILED
04/22	M. CUNDIFF	CHECKED/REVIEWED
	D. ETINGER	DESIGN DETAILED
		DESIGN DETAILED
		REVISIONS 1
		REVISIONS 2
		REVISIONS 3
		REVISIONS 4
		FIELD CHANGES

DATE	BY	REVISIONS
		DESIGN DETAILED
		CHECKED/REVIEWED
		DESIGN DETAILED
		DESIGN DETAILED
		REVISIONS 1
		REVISIONS 2
		REVISIONS 3
		REVISIONS 4
		FIELD CHANGES

SOUTH BERWICK
 ROUTE 236 & ROUTE 91
 PLAN/PROFILE SHEETS

SHEET NUMBER
 2
 OF 55

Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \000\Highway\007_Plan01.dgn

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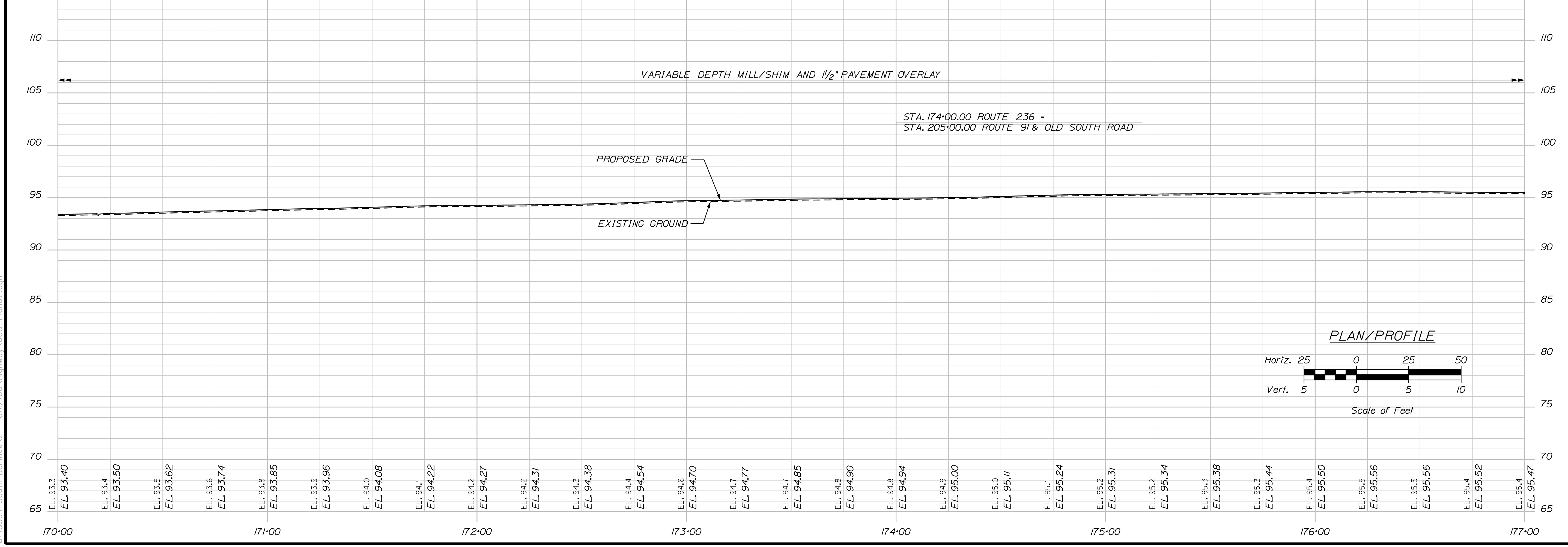
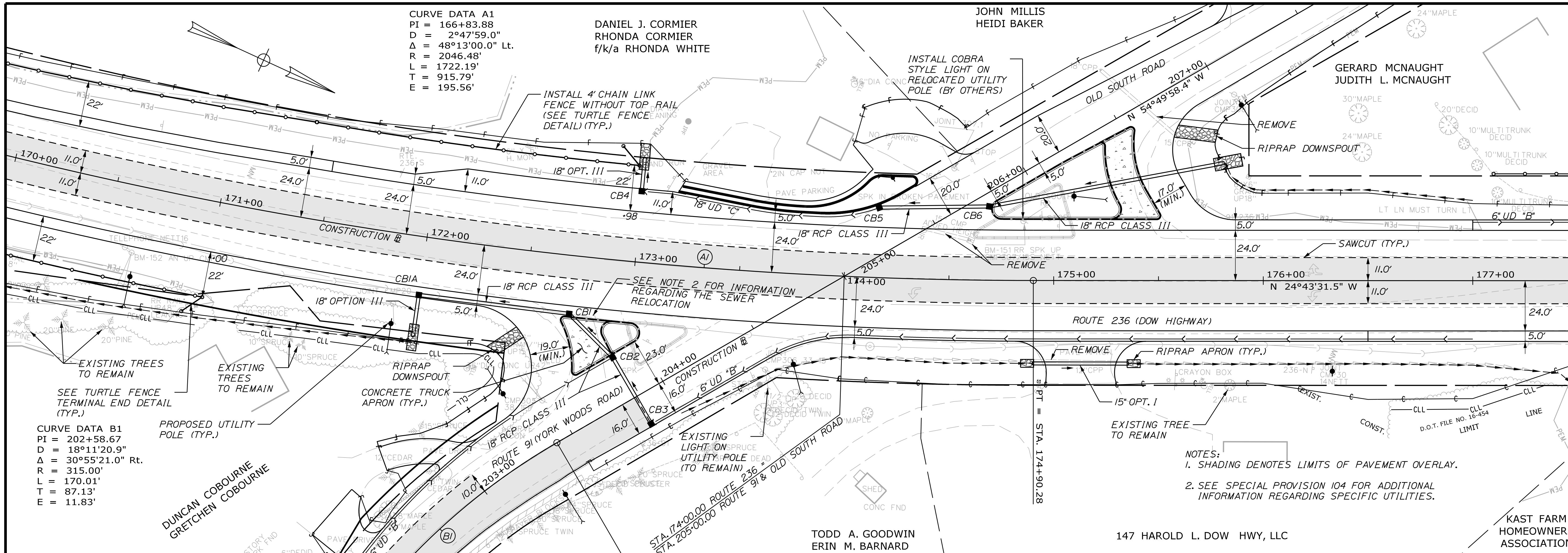
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...\\00\\Highway\\008_Plan02.dgn

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STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2182900		WIN		21829.00	
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF	DATE	04/22	SIGNATURE		P.E. NUMBER	
DESIGN-DETAILED	J. WINCHERBACH	CHECKED-REVIEWED	D. ETINGER	DATE	04/22	SIGNATURE		P.E. NUMBER	
DESIGN-DETAILED		DESIGN-DETAILED		REVISIONS 1				REVISIONS 2	
				REVISIONS 3				REVISIONS 4	
				FIELD CHANGES					
SOUTH BERWICK ROUTE 236 & ROUTE 91 PLAN/PROFILE SHEETS									
SHEET NUMBER 8 OF 55									

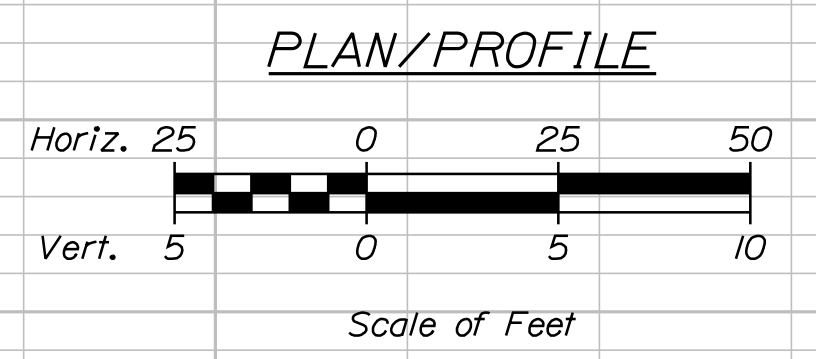
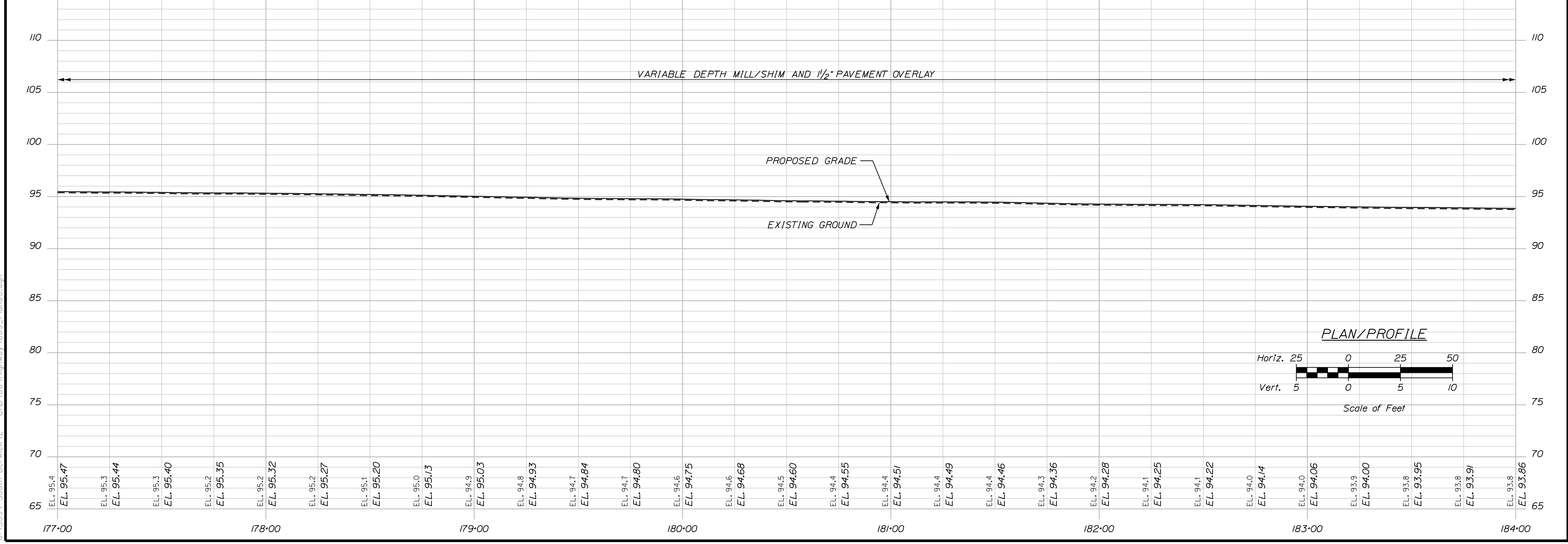
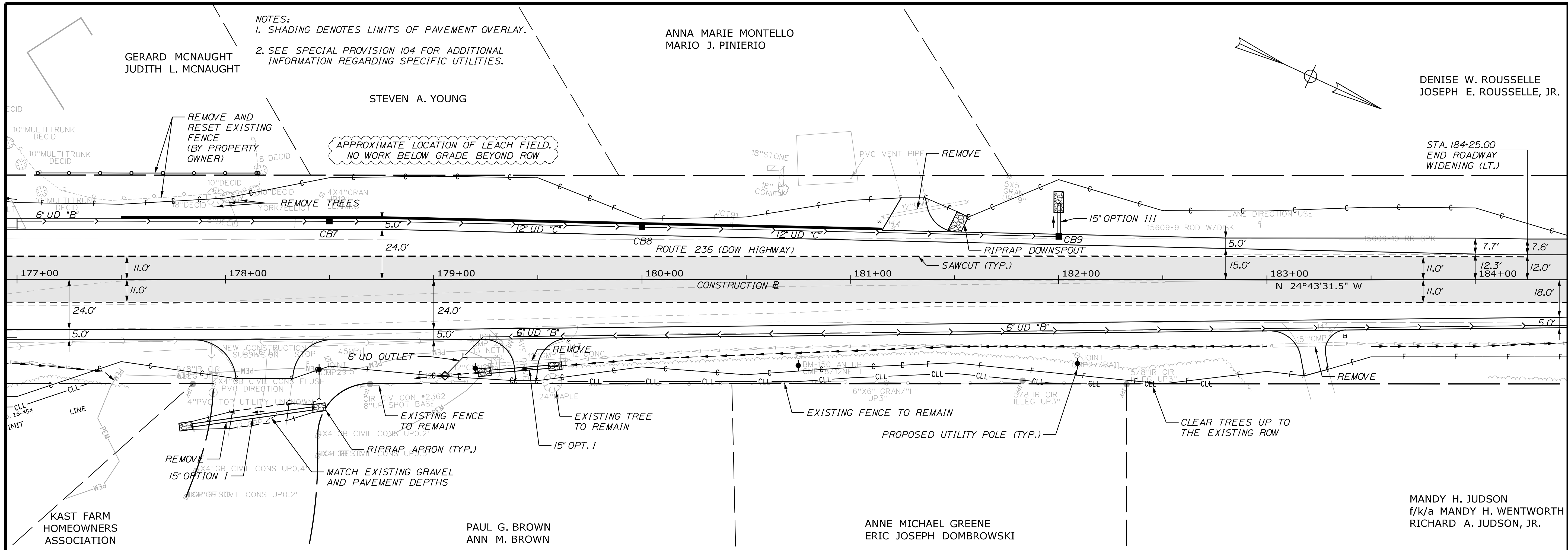
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \00\Highway\009_Plan03.dgn

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NOTES:
 1. SHADING DENOTES LIMITS OF PAVEMENT OVERLAY.
 2. SEE SPECIAL PROVISION 104 FOR ADDITIONAL INFORMATION REGARDING SPECIFIC UTILITIES.

GERARD MCNAUGHT
 JUDITH L. MCNAUGHT

STEVEN A. YOUNG

ANNA MARIE MONTELLO
 MARIO J. PINIERIO

DENISE W. ROUSSELLE
 JOSEPH E. ROUSSELLE, JR.

APPROXIMATE LOCATION OF LEACH FIELD.
 NO WORK BELOW GRADE BEYOND ROW

STA. 184+25.00
 END ROADWAY
 WIDENING (LT.)

KAST FARM
 HOMEOWNERS
 ASSOCIATION

PAUL G. BROWN
 ANN M. BROWN

ANNE MICHAEL GREENE
 ERIC JOSEPH DOMBROWSKI

MANDY H. JUDSON
 f/k/a MANDY H. WENTWORTH
 RICHARD A. JUDSON, JR.

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
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PROJ. MANAGER	A. CORNEAU II	BY	DATE	SIGNATURE
DESIGN-DETAILED	J. WINCHERBACH	M. CUNDIFF	04/22	
CHECKED-REVIEWED	D. ETINGER		04/22	
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

PROJ. MANAGER	A. CORNEAU II	BY	DATE	SIGNATURE
DESIGN-DETAILED	J. WINCHERBACH	M. CUNDIFF	04/22	
CHECKED-REVIEWED	D. ETINGER		04/22	
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SOUTH BERWICK
 ROUTE 236 & ROUTE 91
 PLAN/PROFILE SHEETS

SHEET NUMBER
 9
 OF 55

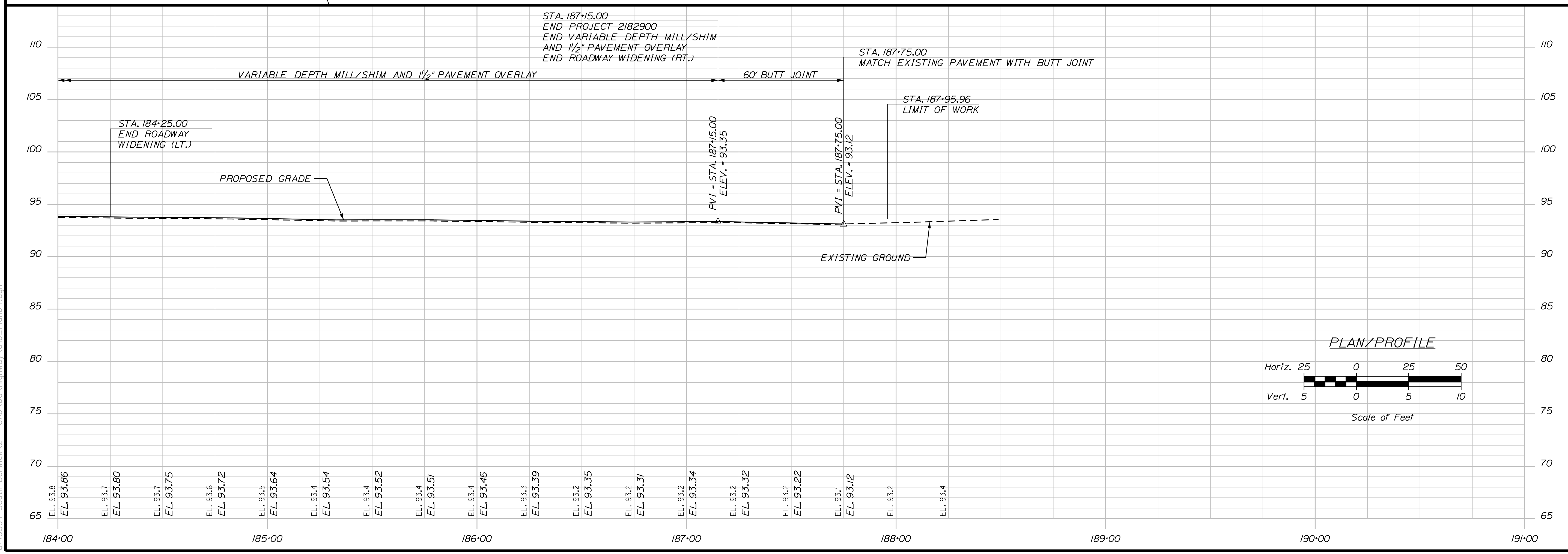
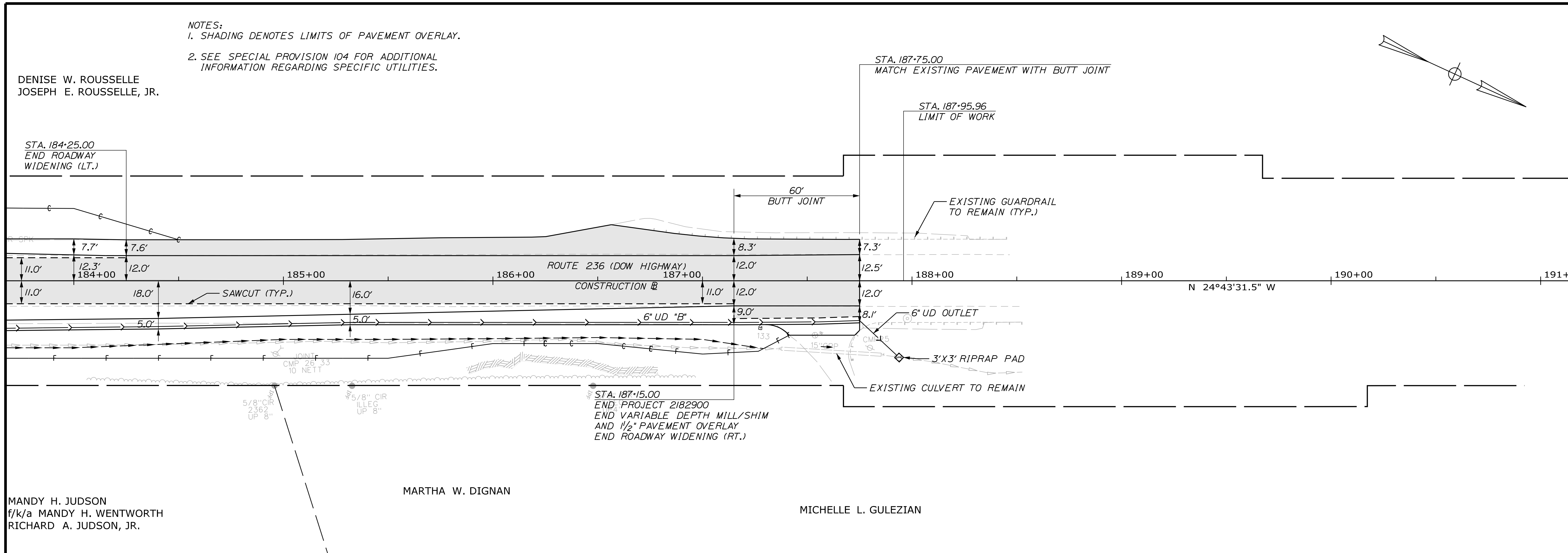
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Username: Mike.Cundiff

Division: HIGHWAY

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STATE OF MAINE
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PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
A. CORNEAU II	M. CUNDIFF	04/22			
J. WINCHERBACH					
D. ETINGER					
DESIGNS DETAILED					
DESIGNS DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SOUTH BERWICK
 ROUTE 236 & ROUTE 91
 PLAN/PROFILE SHEETS

SHEET NUMBER
 10
 OF 55

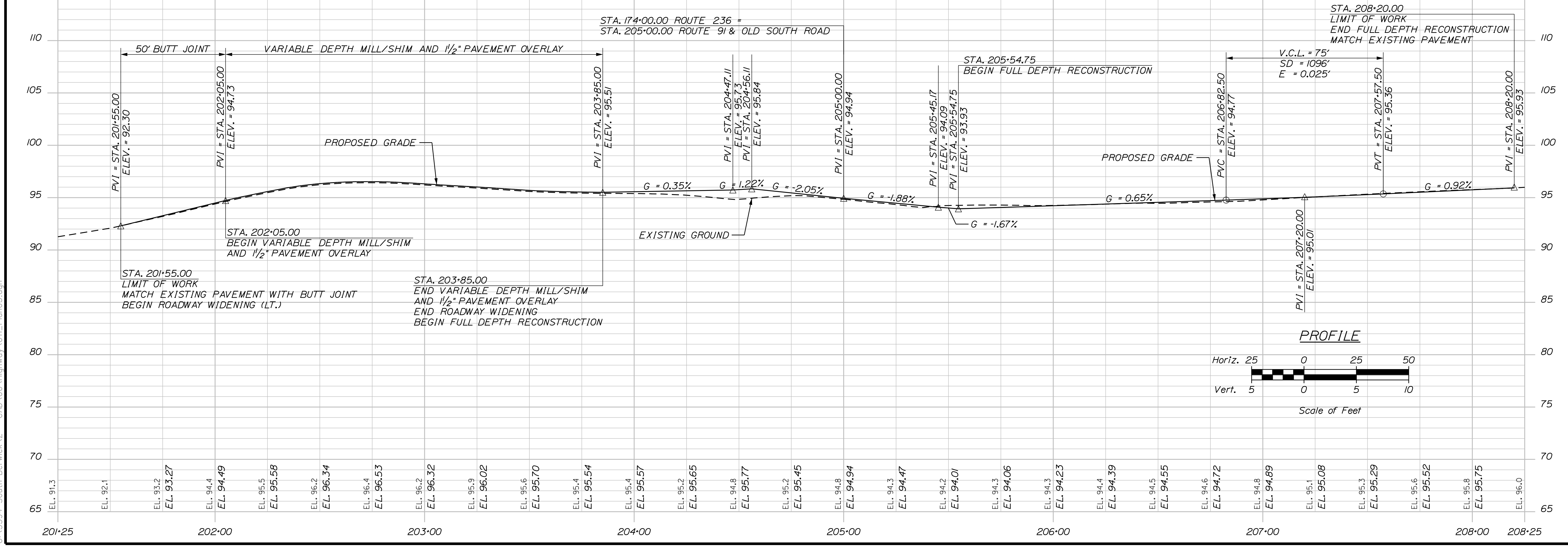
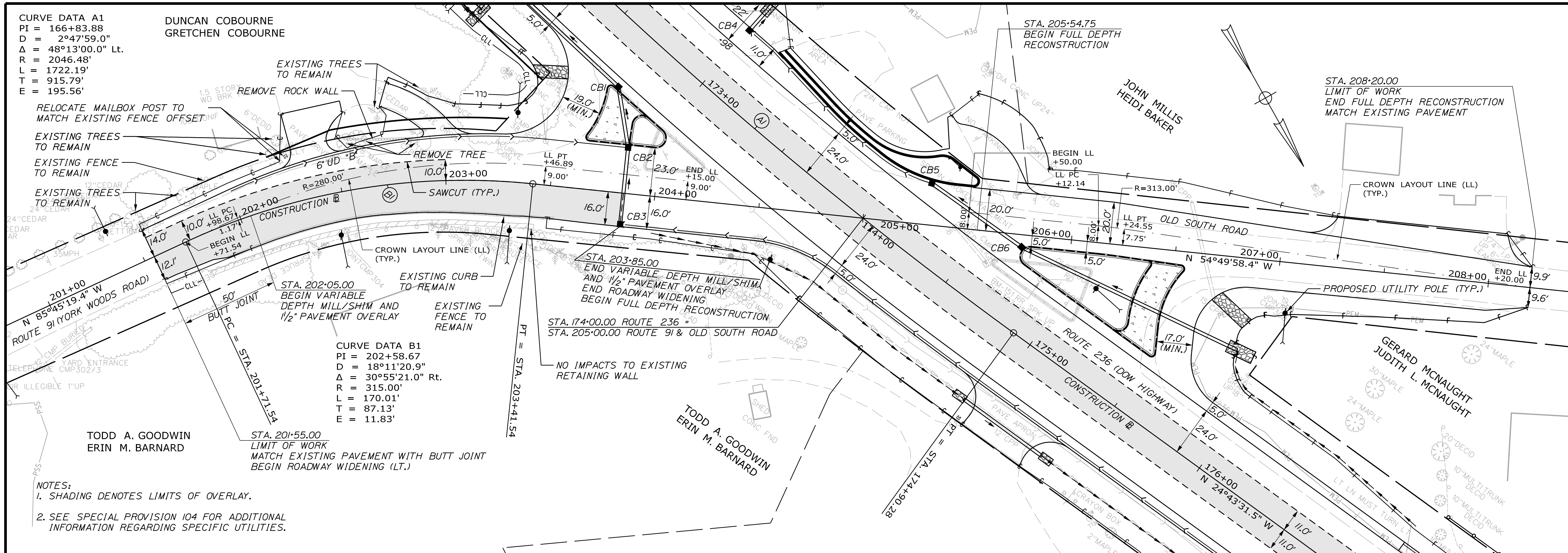
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STATE OF MAINE
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PROJ. MANAGER	DATE	BY	DATE
A. CORNEAU II	04/22	M. CUNDIFF	04/22
J. WINCHEBACH		D. ETINGER	

DESIGN DETAILED	DESIGN REVIEWED	DESIGN DETAILED	DESIGN REVIEWED	DESIGN DETAILED	DESIGN REVIEWED

REVISIONS	NO.	DESCRIPTION	DATE
1			
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SOUTH BERWICK
 ROUTE 236 & ROUTE 91
 PLAN/PROFILE SHEETS

SHEET NUMBER
 11
 OF 55

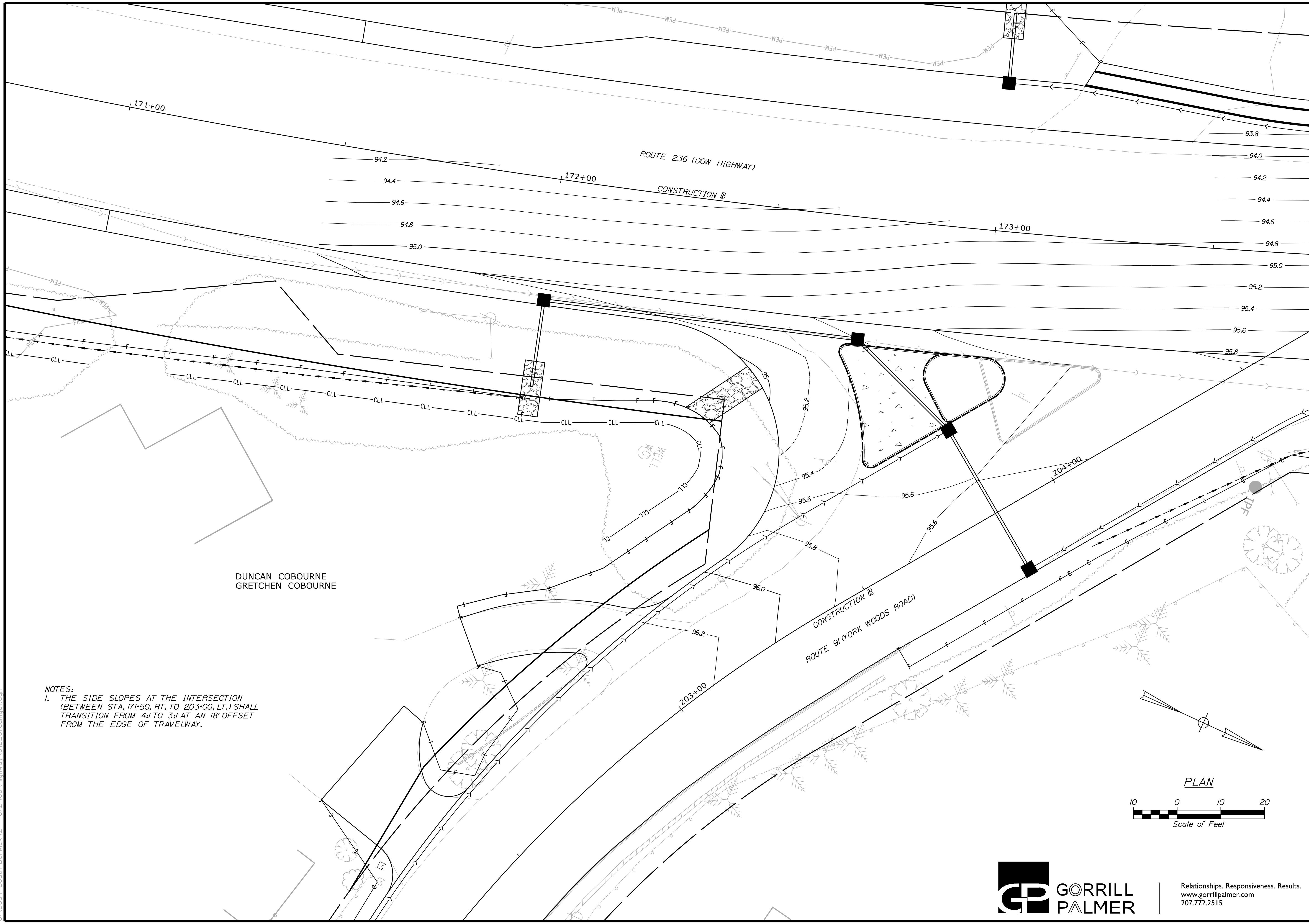
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Username: Mike.Cundiff

Division: HIGHWAY

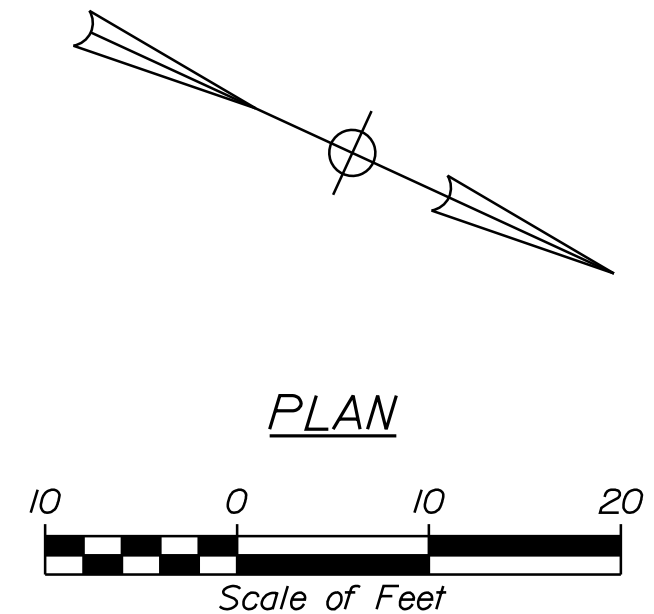
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NOTES:
 1. THE SIDE SLOPES AT THE INTERSECTION
 (BETWEEN STA. 171+50, RT. TO 203+00, LT.) SHALL
 TRANSITION FROM 4:1 TO 3:1 AT AN 18' OFFSET
 FROM THE EDGE OF TRAVELWAY.

DUNCAN COBOURNE
 GRETCHEN COBOURNE



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2182900		WIN 21829.00	
SOUTH BERWICK ROUTE 236 & ROUTE 91		INTERSECTION GRADING PLANS			
SHEET NUMBER		12 OF 55			
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF	DATE	04/22
DESIGN DETAILED	J. WINGENBACH	CHECKED	D. ETINGER	REVIEWED	04/22
DESIGNS DETAILED		DESIGNS DETAILED		SIGNATURE	
REVISIONS 1		REVISIONS 1		P.E. NUMBER	
REVISIONS 2		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES					



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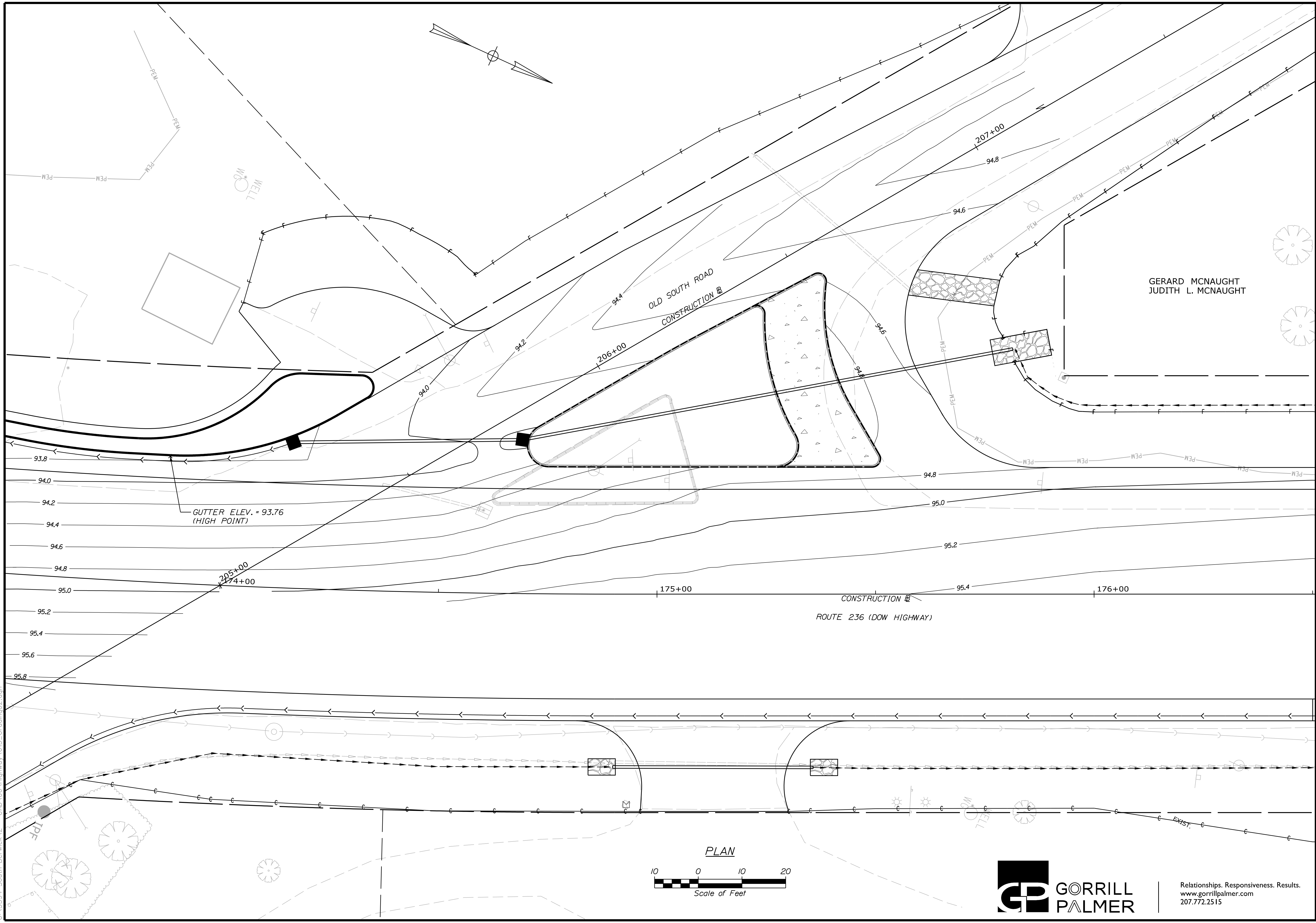
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STATE OF MAINE
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GERARD MCNAUGHT
JUDITH L. MCNAUGHT

SIGNATURE
P.E. NUMBER
DATE

PROJ. MANAGER	A. CORNEAU II	BY	DATE
DESIGN/DETAILED	J. WINGENBACH	M. CUNDIFF	04/22
CHECKED/REVIEWED	D. ETINGER		04/22
DESIGN/DETAILED			
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REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
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SOUTH BERWICK
ROUTE 236 & ROUTE 91
INTERSECTION GRADING PLANS

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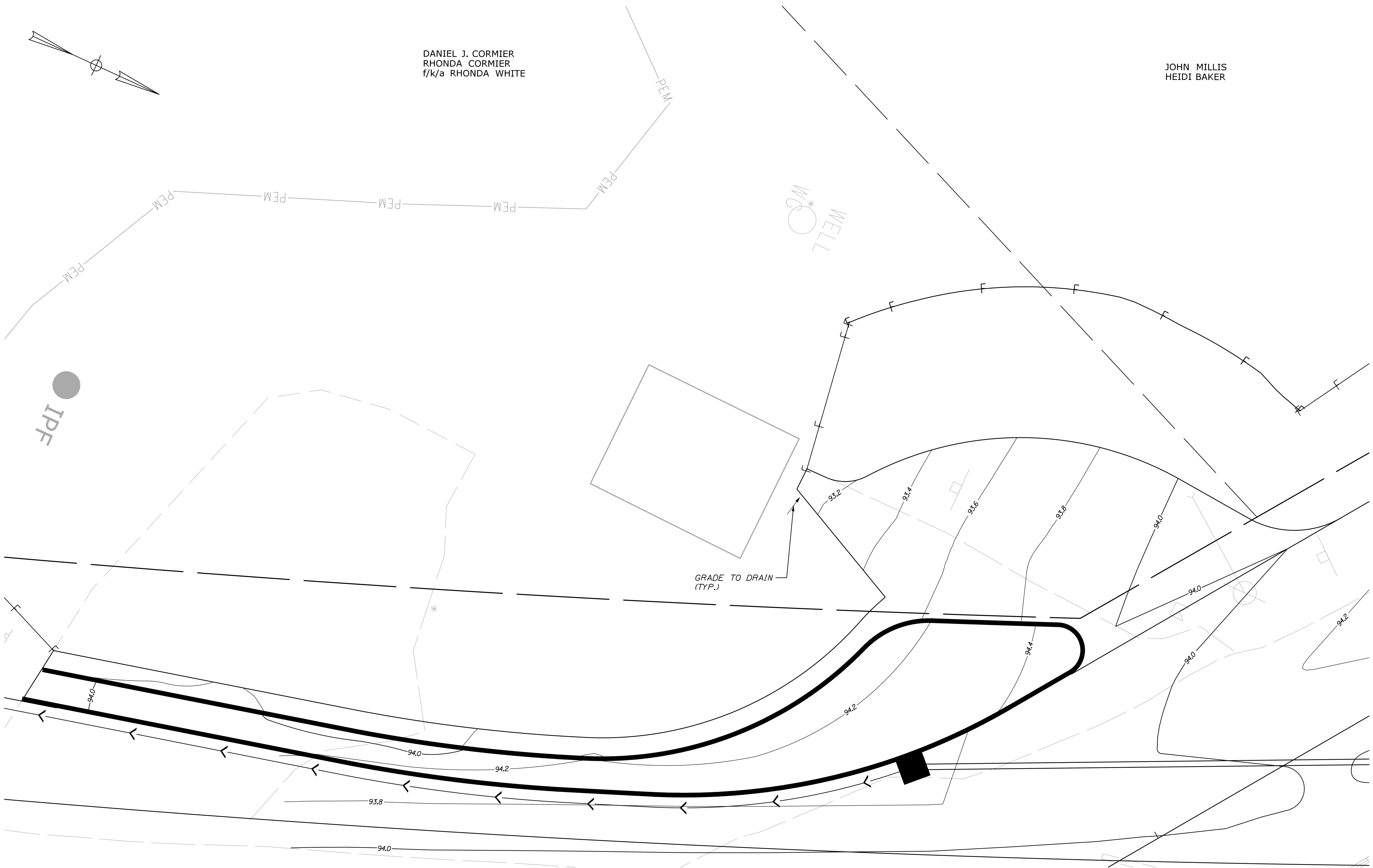
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Division: HIGHWAY

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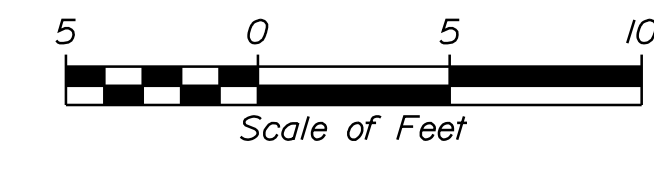


DANIEL J. CORMIER
 RHONDA CORMIER
 f/k/a RHONDA WHITE

JOHN MILLIS
 HEIDI BAKER

IPF

PLAN



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 WIN
 21829.00

PROJ. MANAGER	A. CORNEAU II	BY	DATE
DESIGN DETAILED	J. WINGENBACH	M. CUNDIFF	04/22
CHECKED/REVIEWED	D. ETINGER		04/22
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SOUTH BERWICK
 ROUTE 236 & ROUTE 91
 PARKING LOT GRADING PLAN

SHEET NUMBER
 14
 OF 55

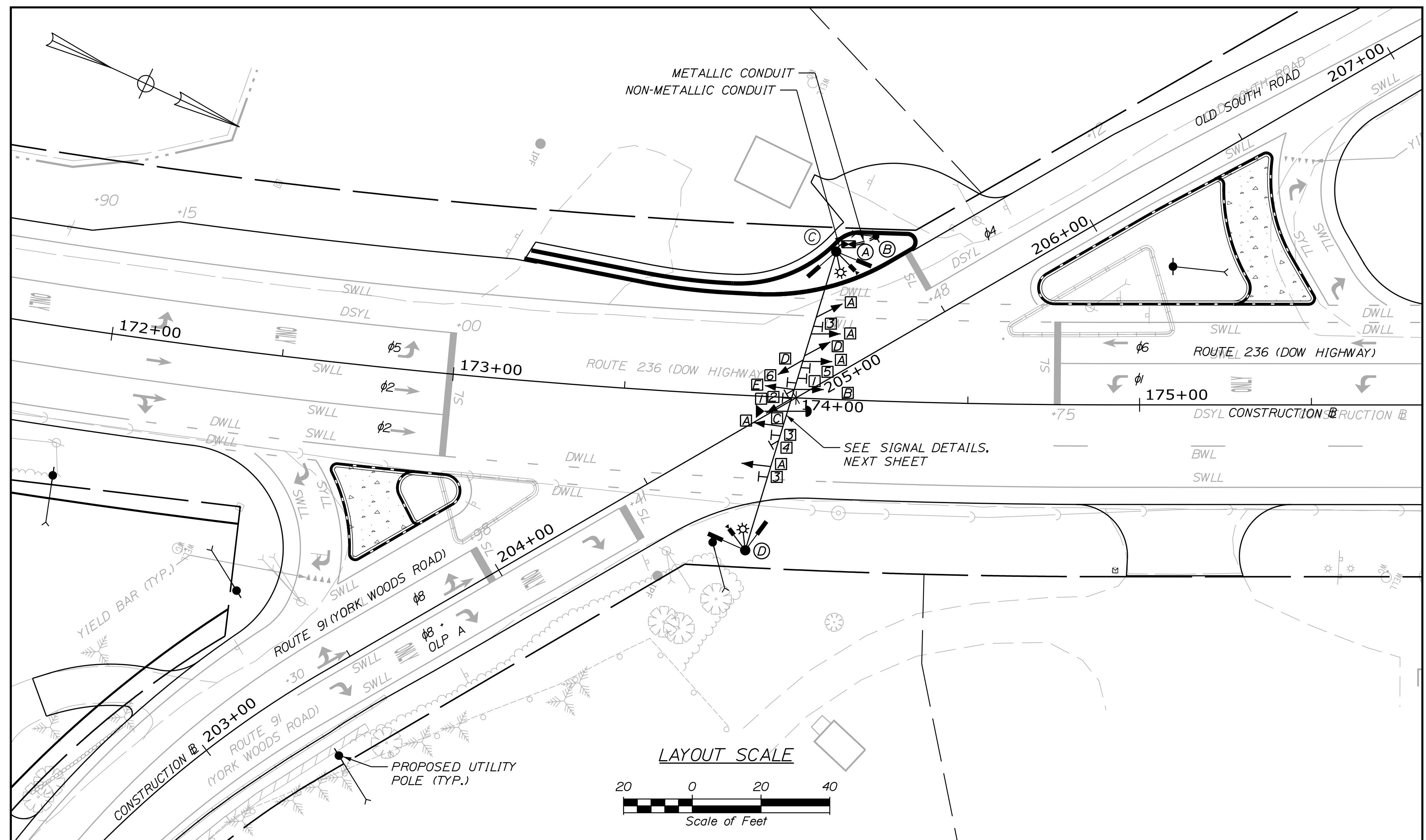
Date: 5/5/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \000\Highway\015_Signal01.dgn

U:\3394-South Berwick.V - CAD\00\Highway\015_Signal01.dgn



LEGEND	
EXISTING	PROPOSED
SIGNAL NOTE	(X)
SIGNAL HEAD	→
VIDEO DETECTOR	—
SIGNAL CONDUIT (3" PVC, SCH 80, UNLESS OTHERWISE NOTED)	---
CONTROLLER CABINET	⊠
STEEL STRAIN POLE	●
SPAN WIRE AND TETHER	—●—
MOUNTED SIGN	⊠
JUNCTION BOX	⊠
EMERGENCY PRE-EMPTION RECEIVER	⊠
EMERGENCY PRE-EMPTION STROBE	⊠
ADVANCE VIDEO DETECTOR	⊠
OVERHEAD ILLUMINATION	⊠

SIGNAL TIMING SCHEDULE - FREE PLAN								
	1	2*	3	4	5*	6	7	8
MINIMUM INITIAL	5	10	-	5	10	10	-	5
VEHICLE EXTENSION	3	3	-	3	3	3	-	3
MAX I	20	55	-	15	55	75	-	15
MAX II	-	-	-	-	-	-	-	-
YELLOW	4.5	4.5	-	4	4.5	4.5	-	4
ALL RED	2	3	-	3	3	3	-	3
WALK / DON'T WALK	-	-	-	-	-	-	-	-
PEDESTRIAN CLEARANCE	-	-	-	-	-	-	-	-
FLASH	Y	Y	-	R	FYA	Y	-	R
PHASE RECALL	-	SOFT	-	-	SOFT	SOFT	-	-
MEMORY	-	-	-	-	-	-	-	-
DETECTOR	PR	PR	-	PR	PR	PR	-	PR

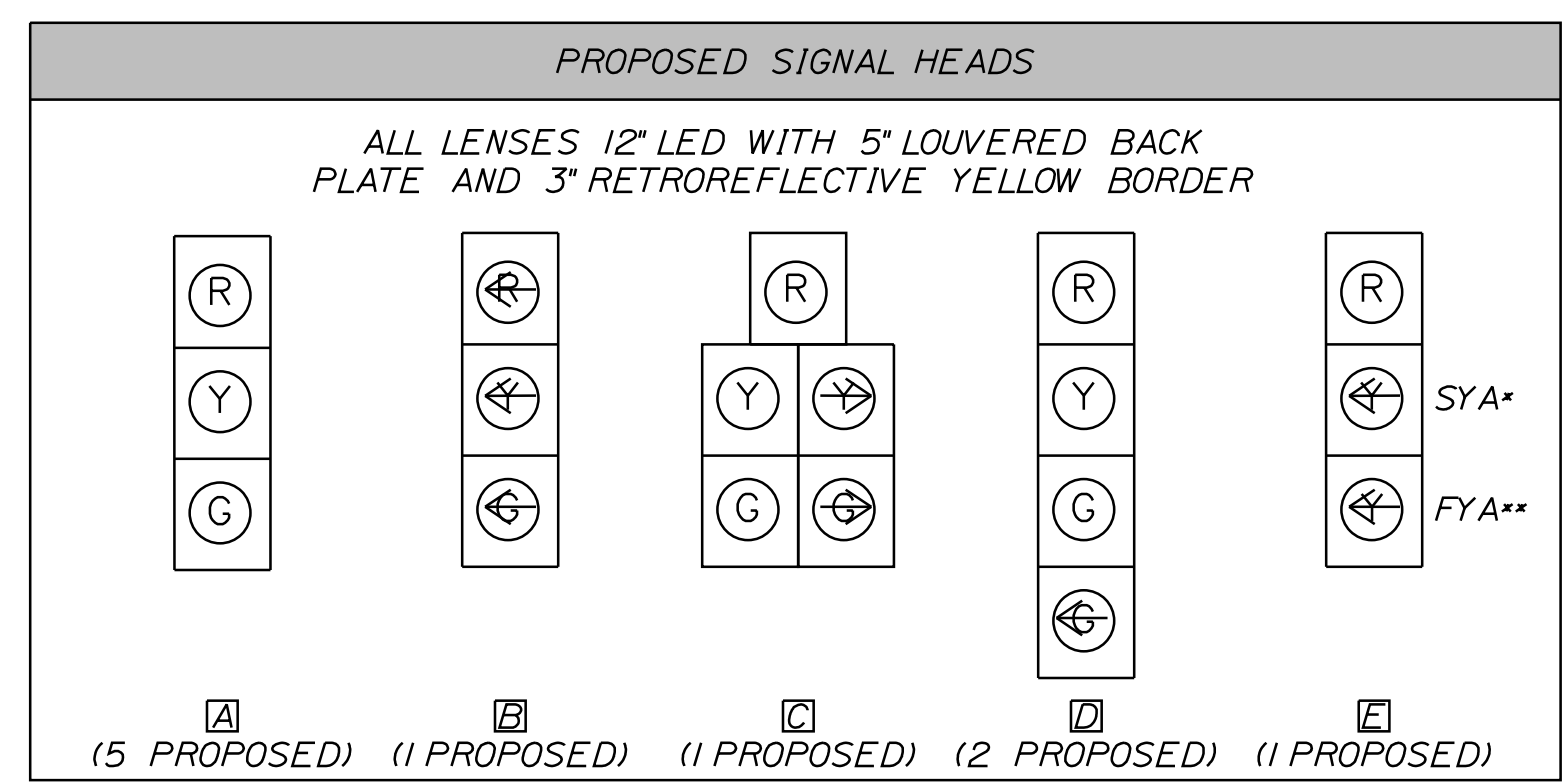
FYA= FLASHING YELLOW ARROW Y=YELLOW R=RED PR=PRESENCE
 * A CALL ON EITHER ϕ2 OR ϕ5 SHALL PUT IN A CALL ON THE OTHER PHASE.

NOTES:

- THESE TIMINGS ARE FOR INITIAL STARTUP ONLY AND SHALL BE FIELD ADJUSTED BY THE CONTRACTOR WITH OVERSIGHT OF A TRAFFIC ENGINEER (DESIGN ENGINEER, STATE TRAFFIC ENGINEER OR TOWN TRAFFIC ENGINEER). TIMINGS SHALL BE ADJUSTED ONE TO TWO WEEKS AFTER INITIAL STARTUP FOR WEEKDAY AM AND PM PEAK HOURS.
- ALL SIGNAL HEADS AND OVERHEAD LANE USE SIGNS SHALL BE TETHERED.
- VIDEO DETECTION SHALL HAVE APPROPRIATE FOCAL LENGTH BASED ON DISTANCE FROM THE STOP BAR AND HEIGHT ABOVE THE GROUND. LOCATION OF VIDEO DETECTION AND ADVANCED DETECTION SHALL BE ADJUSTED AS NEEDED TO MEET MANUFACTURER SPECIFICATIONS AND OPERATIONS. THIS INCLUDES EXTENSION ARMS IF NEEDED.
- VIDEO DETECTION SHALL BE CHECKED TO ENSURE OCCLUSION IS NOT OCCURRING. IF IT IS, THE EQUIPMENT OR ITS LOCATION SHALL BE ADJUSTED AS NEEDED. THIS INCLUDES EXTENSION ARMS IF NEEDED.
- EMERGENCY PREEMPTION SHALL BE PROVIDED WITH THE NEW SIGNAL SYSTEM. THE CONTRACTOR SHALL COORDINATE WITH THE TOWN ON SPECIFIC EQUIPMENT TO BE USED SUCH THAT IT IS COMPATIBLE WITH THEIR EXISTING EQUIPMENT.

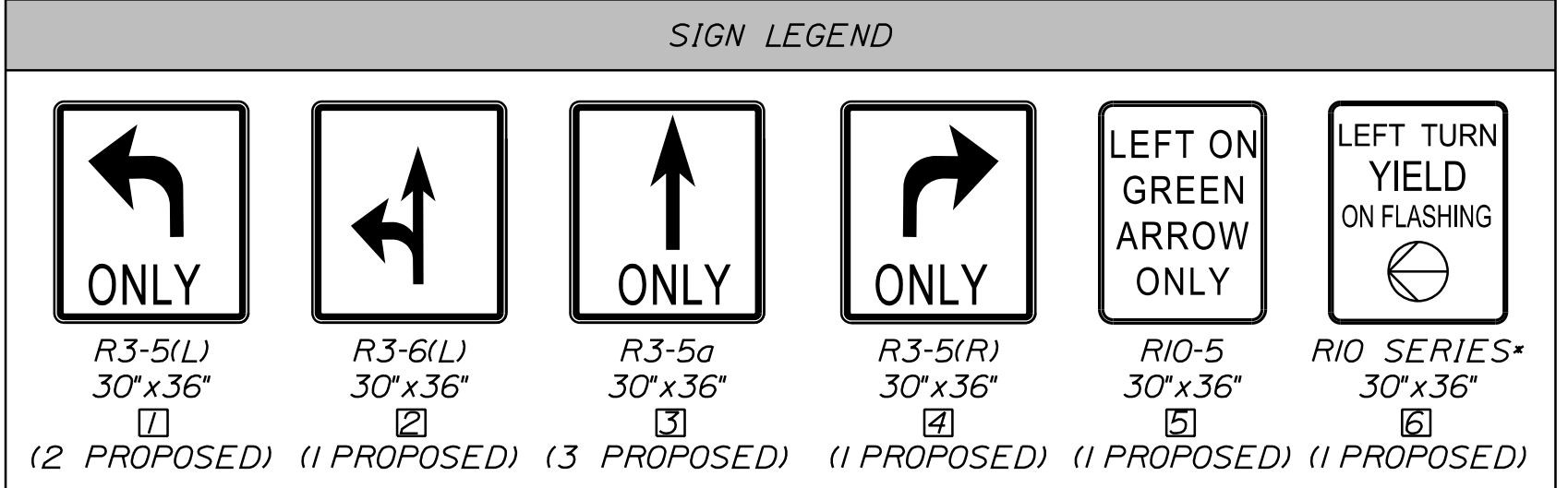
EQUIPMENT SCHEDULE			
DESIGNATION	ITEM	DESCRIPTION	LOCATION *
A	NEW CONTROLLER CABINET	GROUND MOUNTED WITH BASE EXTENSION, FOUNDATION AND NEW CONTROLLER. CONTROLLER CABINET TO BE FOUR DOOR ATC RACK MOUNT.	STA. 174+13.59, 45.27' LT.
B	RELOCATED UTILITY POLE (SERVICE POLE)	POWER SOURCE FOR SIGNAL CONTROLLER	STA. 205+43.65, 28.00' LT.
C	STEEL STRAIN POLE	OVERHEAD ILLUMINATION, ADVANCE AND PRESENCE VEHICLE DETECTION, EMERGENCY PREEMPTION, SIGNAL HEADS, OVERHEAD SIGNS, SPAN WIRE AND TETHER ON NEW FOUNDATION	STA. 174+10.00, 43.00' LT.
D	STEEL STRAIN POLE	OVERHEAD ILLUMINATION, ADVANCE AND PRESENCE VEHICLE DETECTION, EMERGENCY PREEMPTION, SIGNAL HEADS, OVERHEAD SIGNS, SPAN WIRE AND TETHER ON NEW FOUNDATION	STA. 173+87.47, 45.00' RT.

* EQUIPMENT TO BE ADJUSTED BY RESIDENT, MAINE DOT, OR TOWN AS DIRECTED. STATION AND OFFSET INFORMATION IS APPROXIMATE

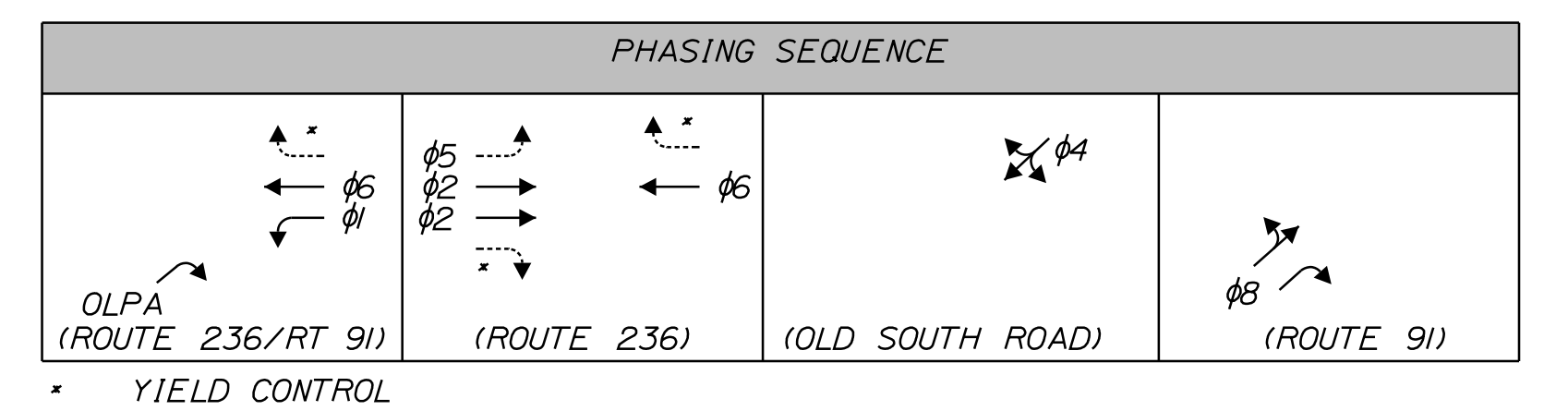


SPEED (MPH)	X (DIST.)	Y (DIST.)	Z (DIST.)
35	152'	102'	254'
40	162'	122'	284'
45	175'	152'	327'
50	181'	172'	353'
55	152'	234'	386'

ADVANCE DILEMMA ZONE SETUP
 SOURCE: TRAFFIC DETECTOR HANDBOOK: THIRD EDITION, VOLUME 1



* CUSTOM SIGN - BLACK BALL WITH YELLOW ARROW



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 2182900
 WIN 21829.00

SOUTH BERWICK
 ROUTE 236 & ROUTE 91
 SIGNAL PLAN

SHEET NUMBER
 15
 OF 55

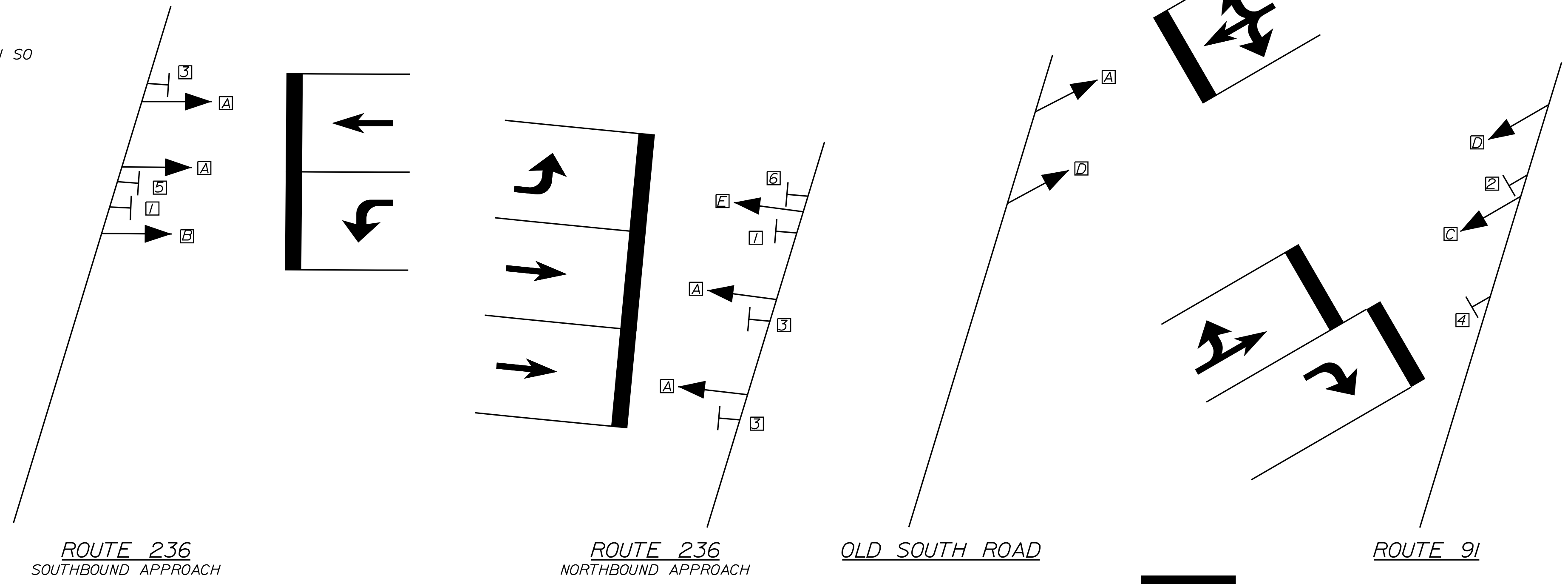
SIGNAL NOTES

- ALL MATERIALS AND WORK SHALL CONFORM TO THE MAINE DOT STANDARD SPECIFICATIONS AND BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", U.S.D.O.T., F.H.W.A., LATEST EDITION.
- IT IS THE INTENT OF THIS WORK TO HAVE A COMPLETE OPERATIONAL, TESTED AND ACCEPTED TRAFFIC SIGNAL UPON COMPLETION OF THIS CONTRACT.
- TRAFFIC SIGNAL WORK SHALL BE COMPLETED IN A MANNER AND ORDER THAT WILL CAUSE THE MINIMUM DISRUPTION TO TRAFFIC.
- THE RESIDENT, TOWN AND MAINE DOT SHALL HAVE THE RIGHT AND AUTHORITY TO DETERMINE THE ACCEPTABILITY OF WORK AND MATERIALS IN PROGRESS OR COMPLETED AND SHALL HAVE THE RIGHT TO REJECT ANY WORK OR MATERIALS WHICH DO NOT CONFORM, IN ITS SOLE OPINION, TO THE PLANS OR SPECIFICATIONS.
- THE LOCATIONS OF SIGNAL EQUIPMENT AND POLES INCLUDING THE MOUNTED TRAFFIC DEVICES AND SIGNS ARE APPROXIMATE. FINAL LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT, MAINE DOT OR TOWN REPRESENTATIVE.
- TWO COPIES OF AS-BUILT PLANS, SIGNAL TIMING, WIRING DIAGRAMS, BOX PRINTS AND EQUIPMENT MANUALS SHALL BE LEFT IN THE CONTROLLER CABINET. ONE ELECTRONIC COPY OF EACH SHALL BE PROVIDED TO THE PUBLIC WORKS DIRECTOR.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION BOXES PER MAINE DOT STANDARDS AT A MINIMUM.
- THE CONTRACTOR SHALL PREPARE A MATERIAL SCHEDULE BASED UPON THEIR PLAN REVIEW. ALL SCHEDULES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR PERFORMING WORK.
- UTILITIES THAT HAVE FACILITIES IN THE GENERAL PROJECT ARE LISTED IN SPECIAL PROVISION 104.
- UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR FINDING EXACT LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT DIG SAFE AT 1-888-DIG-SAFE AND APPROPRIATE AUTHORITIES PRIOR TO ANY SUBSURFACE ACTIVITIES.
- THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE UTILITY COMPANIES WHEN MODIFYING THE EXISTING SERVICE CONNECTIONS AND WHEN INSTALLING EQUIPMENT ON THEIR POLES OR NEAR THEIR WIRES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE RELOCATION AND/OR INSTALLATION OF POWER METERS IF REQUIRED AND ASSURING THE POWER METER LOCATION AND INSTALLATION CONFORMS TO THE LOCAL UTILITY REQUIREMENTS. THIS WORK WILL BE INCIDENTAL TO ITEM 643.80.
- ALL CONDUIT CROSSING AREAS OF EXISTING PAVEMENT SHALL BE INSTALLED USING TRENCHLESS TECHNOLOGIES, UNLESS OTHERWISE APPROVED.
- ALL NEW SIGNAL SECTIONS SHALL HAVE LED LENSES 12 INCHES IN DIAMETER, AND SHALL HAVE 5 INCH LOUVERED BACK PLATES WITH 3" YELLOW RETROREFLECTIVE STRIP AROUND BORDER OF BACK PLATES.
- ALL SPLICES WILL BE MADE IN THE CABINETS OR POLES MEETING MAINE DOT SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE STRAIN POLE DESIGN IN ACCORDANCE WITH SECTION 643.023.
- JUNCTION BOXES SHALL BE LISTED AS TIER 22 RATING (22000LBS).
- THE TRAFFIC SIGNAL SHALL BE EQUIPPED WITH AN APPLIED INFORMATION FMU SO SIGNAL CAN BE MONITORED REMOTELY.

- ANY DAMAGE TO SLOPES OR PAVEMENT RESULTING FROM INSTALLATION OF STRAIN POLES AND FOUNDATIONS, SHALL BE REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT. COSTS OF REPAIRS SHALL BE INCIDENTAL TO PAYMENT UNDER SECTION 643.
- PAYMENT FOR STRAIN POLES AND FOUNDATIONS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS 643, 645 AND 626 AND WILL BE FULL COMPENSATION FOR ALL LABOR, EQUIPMENT AND MATERIALS FOR THE ACCEPTED SIGNAL OR SIGN INSTALLATION INCLUDING BUT NOT LIMITED TO SIGNS, SIGNALS, SUPPORT STRUCTURES AND FOUNDATIONS, EXCAVATION, EXCAVATION STABILIZATION, BACKFILL, REPLACEMENT OF SUBBASE GRAVEL, REPLACEMENT OR REPAIR OF HIGHWAY PAVEMENT, SIDEWALK, SLOPE REGRADING, AND PLACEMENT OF LOAM, SEED AND MULCH ON DISTURBED SLOPES. PAYMENT FOR CONSTRUCTION TRAFFIC CONTROL WILL BE MADE UNDER APPLICABLE PAY ITEMS OF SECTION 652.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY STREET OCCUPANCY OR OPENING PERMITS.
- ALL CONFLICTING SIGNS AND PAVEMENT MARKINGS SHALL BE PERMANENTLY REMOVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING RED-LINE AS-BUILT DRAWINGS OF THE FINAL WORK TO THE RESIDENT. THOSE DRAWINGS SHALL BE A CLEAN SET OF PLANS SHOWING ALL CHANGES, MODIFICATIONS, AND ELEVATIONS TO THE BID PLANS.
- THE PROPOSED TRAFFIC SIGNAL TIMING AND PHASING PLAN SHALL BE INPUT BY THE CONTRACTOR UNDER OBSERVATIONS BY THE RESIDENT OR MAINE DOT REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE RESIDENT.
- CONTRACTOR IS RESPONSIBLE FOR FIELD ADJUSTING TIMING UNDER THE DIRECTION OF THE RESIDENT AND MAINE DOT REPRESENTATIVE. TIMING SHALL BE ADJUSTED WITHIN TWO WEEKS OF INITIAL START UP.
- ALL SIGNAL HEADS AND SIGNS ON SPAN WIRES SHALL BE TETHERED.
- SEE STANDARD SPECIFICATIONS FOR GROUND MOUNTED CABINET FOUNDATION SIZE AND REINFORCING REQUIREMENTS.
- STOP BAR VIDEO DETECTION (SBVD) SHALL BE SUPPLIED BY ONE OF THE FOLLOWING MANUFACTURERS:
 - GRIDSMART/CUBIC
 - MIO VISION
 - FLIR (THERMAL)
 - WAVETRONIX STOP BAR DETECTION SYSTEM
- ADVANCED VEHICLE DETECTION SHALL BE THE WAVETRONIX SMART SENSOR ADVANCE.

ADDITIONAL SIGNAL NOTES

- ALL SIGNAL HEADS SHALL BE HEAVY DUTY POLYCARBONATE. POLYCARBONATE HEADS SHALL BE REINFORCED WITH METAL STIFFENERS.
- PAYMENT FOR REMOVAL OF EXISTING SIGNS SHALL BE INCIDENTAL TO OTHER 645 ITEMS.
- ALL NEW CONTROLLERS AND CABINETS SHALL BE TRANSIT SIGNAL PRIORITY (TSP) CAPABLE/READY AND AUTOMATIC VEHICLE LOCATION (AVL) CAPABLE.
- SEE SIGNAL CABINET DETAIL SPECIFICATIONS FOR CONTROLLER EQUIPMENT REQUIREMENTS.
- PROPOSED SIGNS ON STRAIN POLE SPAN WIRE SHALL BE INCIDENTAL TO ITEM 643.80.
- THE BOTTOM OF THE HOUSING OF NEW SIGNAL FACES SHALL BE AT LEAST 17 FEET BUT NOT MORE THAN 19 FEET ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR IS DIRECTED TO STANDARD SPECIFICATION 718 FOR ADDITIONAL INFORMATION RELATED TO THE CONTROLLER AND CONTROLLER CABINET. STANDARD SPECIFICATION 718 EXPANDS UPON THE INFORMATION FOUND IN THESE NOTES. AS SUCH, THE MORE RESTRICTIVE LANGUAGE BETWEEN THESE NOTES AND STANDARD SPECIFICATION 718 SHALL GOVERN THE WORK TO BE PERFORMED UNDER THIS PROJECT.
- THE SIGNAL SYSTEM MUST BE FULLY FUNCTIONAL AND FREE OF COMMUNICATIONS OR EQUIPMENT FAILURES FOR A PERIOD OF SEVEN (7) DAYS. IF PROBLEMS OCCUR, THEY SHALL BE RECTIFIED BY THE CONTRACTOR AND THE START UP PERIOD RESTARTED FOR ANOTHER SEVEN (7) DAYS.
- UPON DEMONSTRATING A SUCCESSFUL 7 DAY START UP TEST, THE TOWN AND MAINE DOT SHALL EVALUATE THE OPERATION OF THE SYSTEM FOR A PERIOD OF 30 DAYS. SHOULD THE SYSTEM MALFUNCTION DURING THIS PERIOD THE CONTRACTOR SHALL MAKE ANY REPAIRS OR CORRECTIONS AND THE ACCEPTANCE TEST PERIOD WILL START OVER AGAIN. ACCEPTANCE TESTING MUST DEMONSTRATE TO THE TOWN AND MAINE DOT THAT ALL HARDWARE AND EQUIPMENT FUNCTION IN ACCORDANCE WITH THESE SPECIFICATIONS, REQUIREMENTS, THROUGH-PUTS AND FUNCTIONALITY.
- THE CONTRACTOR SHALL WARRANTY ALL WORK AND EQUIPMENT FOR A MINIMUM PERIOD OF ONE YEAR AFTER INSTALLATION AND ACCEPTANCE.
- ALL STRAIN POLES SHALL BE GALVANIZED AND NON-PAINTED.
- THE CABINET SHALL HAVE A UL APPROVED GENERATOR SWITCH.
- ALL SIGNAL CABLE SHALL BE IMSA RATED.
- THE POWER SERVICE METER AND SEPARATE DISCONNECT ENCLOSURE SHOULD BE MOUNTED ON THE SIDE OF THE NEW ATC CABINET, TO ALLOW DISCONNECT OF THE SIGNAL IN CASE OF EMERGENCY WITHOUT OPENING THE DOORS.
- THE SEPARATE DISCONNECT ENCLOSURE SHOULD HAVE TWO BREAKERS, ONE FOR THE SIGNALS AND ONE FOR LIGHTING.
- LIGHTING CONTROLS CAN BE INSTALLED IN THE ATC CABINET AND WILL NOT REQUIRE A SEPARATE ENCLOSURE.
- PROPOSED OVERHEAD LIGHTING SHALL BE LED WITH TYPE 3 DISTRIBUTION.



SIGNAL DETAILS *

* SEE PREVIOUS SHEET FOR SIGNAL HEAD AND SIGN LEGENDS



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207.772.2515

Date: 5/5/2022

Username: Mike.Cundiff

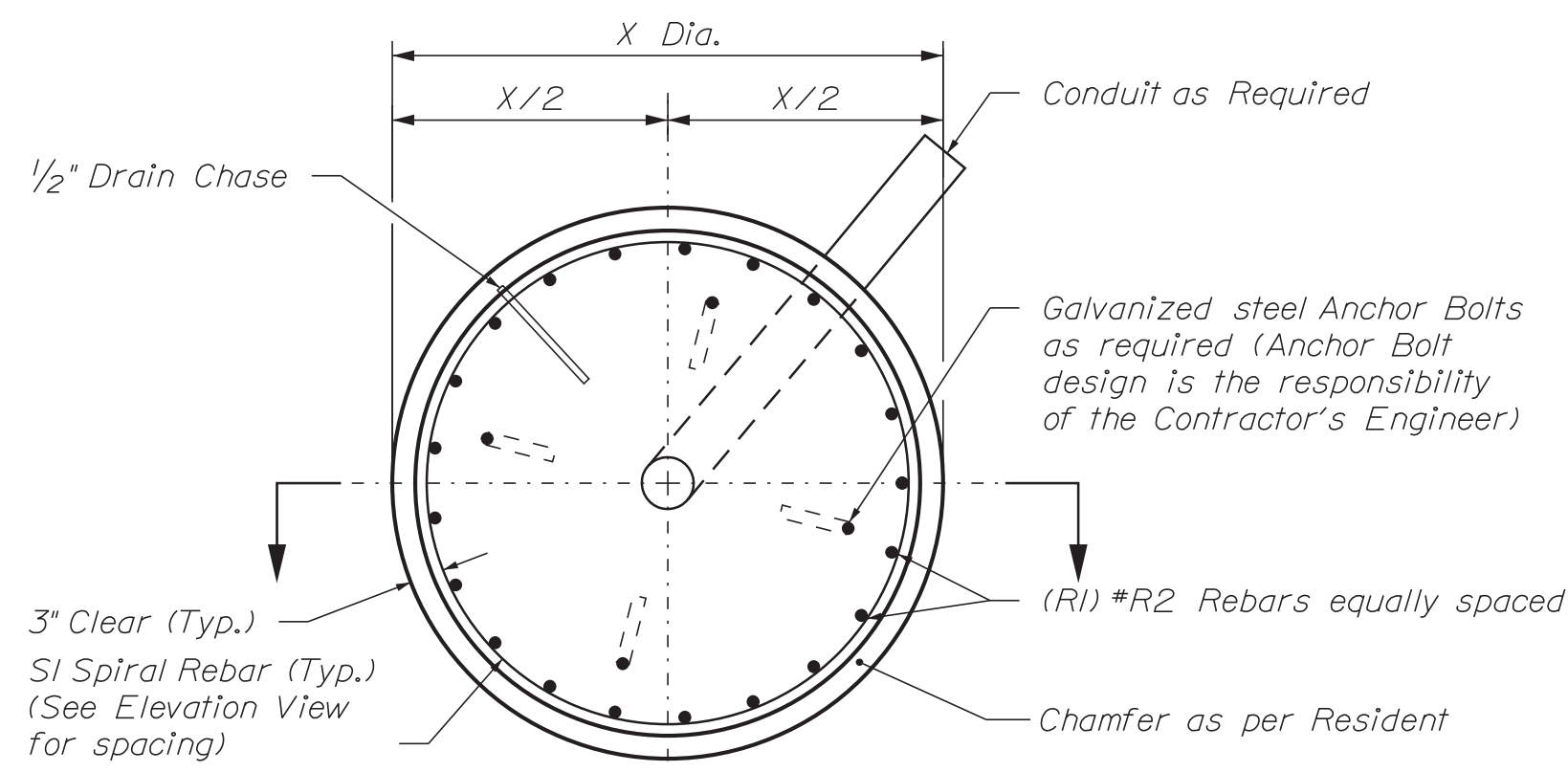
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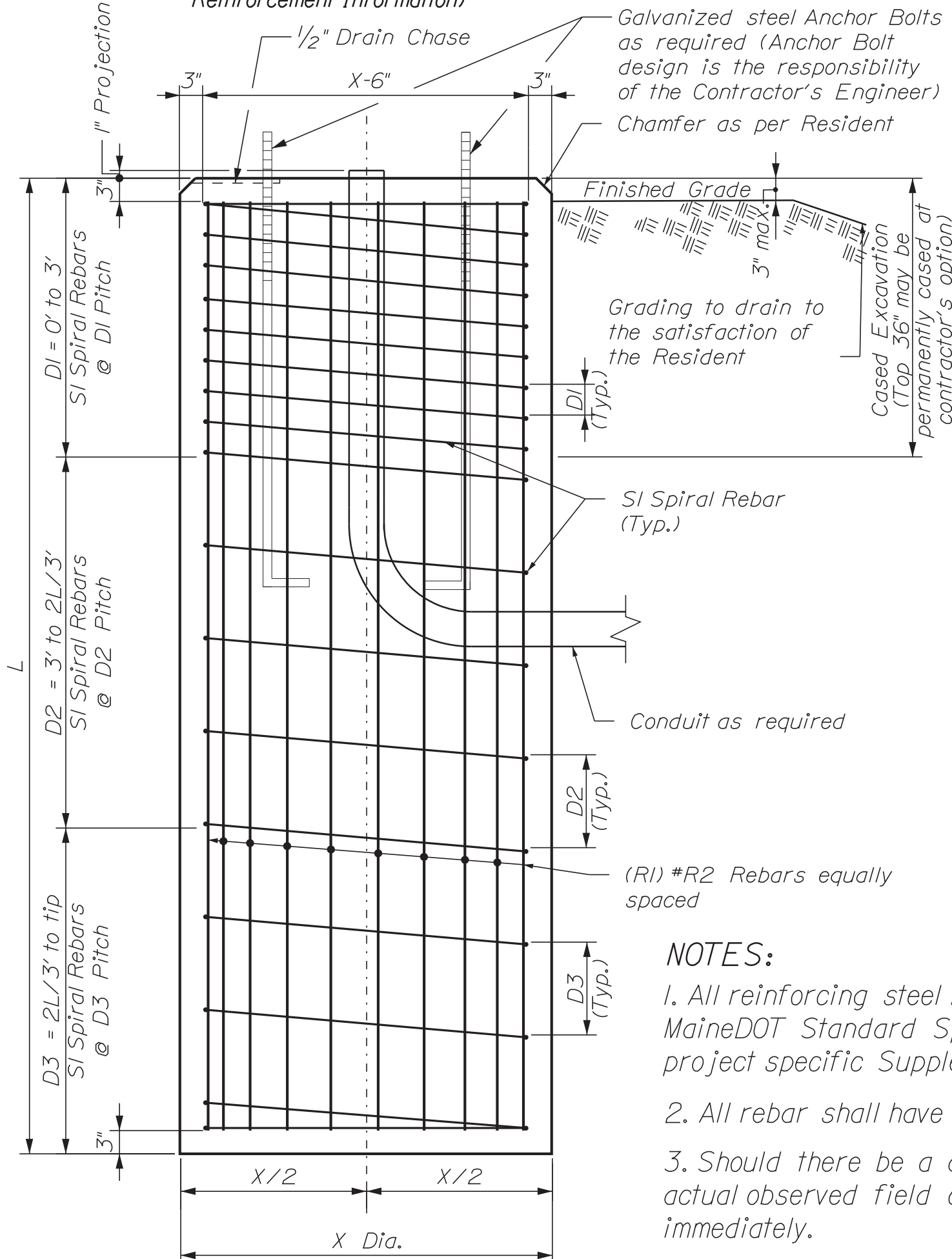
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STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2182900		WIN		21829.00	
SOUTH BERWICK		ROUTE 236 & ROUTE 91		SIGNAL NOTES/DETAILS		SHEET NUMBER		16	
OF 55									

PROJ. MANAGER	A. GORNEAU II	BY	DATE
DESIGN-DETAILED	J. WINDENBACH	M. CUNDIFF	05/22
CHECKED-REVIEWED	D. ETINGER		05/22
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



Drilled Shaft Plan View
Not to Scale (See Table for Drilled Shaft & Reinforcement Information)

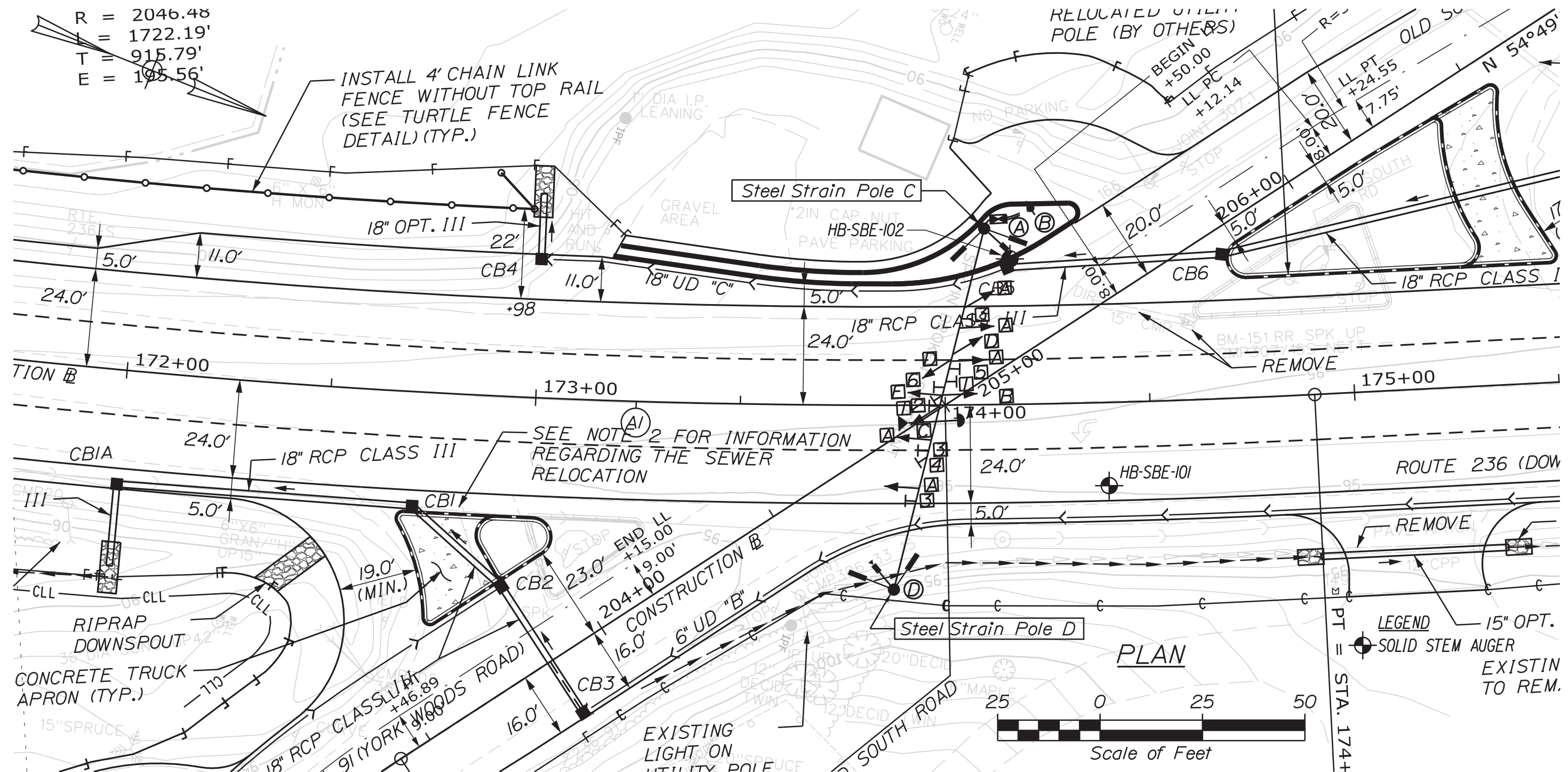


Drilled Shaft Elevation View
Not to Scale (See Table for Drilled Shaft & Reinforcement Information)

STRAIN POLES D & C
(D) Sta. 173+87.47, 45.0' RT.
(C) Sta. 174+10.00, 43.0' LT.

NOTES:

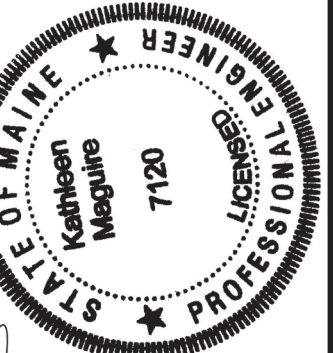
- All reinforcing steel is to be grade 60 and conform to MaineDOT Standard Specification requirements along with any project specific Supplementals or Special Provisions.
- All rebar shall have 3" cover unless otherwise noted.
- Should there be a discrepancy between these Details and actual observed field conditions report it to the Resident immediately.
- Do not proceed with dependent work until any such discrepancy is resolved to the satisfaction of the Resident.
- Concrete to be Class LP with $f'c = 5,000$ PSI.
- Foundation sizes are designed based on estimated loading conditions and are subject to change based on the design of the above-ground components and the actual loading conditions at the top of each foundation submitted by the Contractor in accordance with Standard Specification Section 626.034. Any increase in foundation size based on the submitted loading conditions shall be paid for at the unit price bid by the Contractor. Any reduction in foundation size shall be to the benefit of the Department at the unit price bid by the Contractor.



Maine Department of Transportation Soil/Borehole Exploration Log US CUSTOMARY UNITS				Project: Route 91/236 Intersection Safety Improvements Location: South Berwick, Maine				Boring No.: HB-SBE-101 WIN: 21829_00																															
Operator: B.W. Corry		Date: 12/20/2019 08:30-09:30		Operator: B.W. Corry		Date: 12/20/2019 09:30-10:30		Operator: B.W. Corry		Date: 10/12/11/8		Operator: B.W. Corry																											
Boring Location: 174+39.5, 20.3 ft Rt.		Casing (ID/OD): N/A		Boring Location: 174+16.4, 35.5 ft Lt.		Casing (ID/OD): N/A		Boring Location: 174+16.4, 35.5 ft Lt.		Casing (ID/OD): N/A		Boring Location: 174+16.4, 35.5 ft Lt.																											
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Maine Department of Transportation Soil/Borehole Exploration Log US CUSTOMARY UNITS				Project: Route 91/236 Intersection Safety Improvements Location: South Berwick, Maine				Boring No.: HB-SBE-102 WIN: 21829_00																															
Operator: B.W. Corry		Date: 12/20/2019 09:30-10:30		Operator: B.W. Corry		Date: 10/12/11/8		Operator: B.W. Corry		Date: 10/12/11/8		Operator: B.W. Corry																											
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Designation	Strain Pole Station and Offset	Drilled Shaft Dimensions		Reinforcing Steel			Spiral Bar Spacing		
		X	L	R1	R2	S1	D1 (in)	D2 (in)	D3 (in)
		Diameter (feet)	Length (feet)	Longitudinal Rebars Quantity	Longitudinal Rebars Size	Spiral Rebars Size	0 to 3 ft	3 ft to 2L/3 ft	2L/3 ft to tip
D	173+87.47, 45.0' RT	2.5	11.0	12	#8	#5	4	8	12
C	174+10.00, 43.0' LT	2.5	11.0	12	#8	#5	4	8	12



PROJ. MANAGER	DATE	BY
DESIGN-DETAILED	OCT 2020	T. WHITE
CHECKED-REVIEWED		
DESIGN-DETAILED		
REVISIONS 1	MAY 2022	K.MAGUIRE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

**SOUTH BERWICK
ROUTE 236 & ROUTE 91
STRAIN POLE FOUNDATIONS
& BORING LOCATION PLAN
WITH BORING LOGS**

SHEET NUMBER

17

Date: 4/7/2022

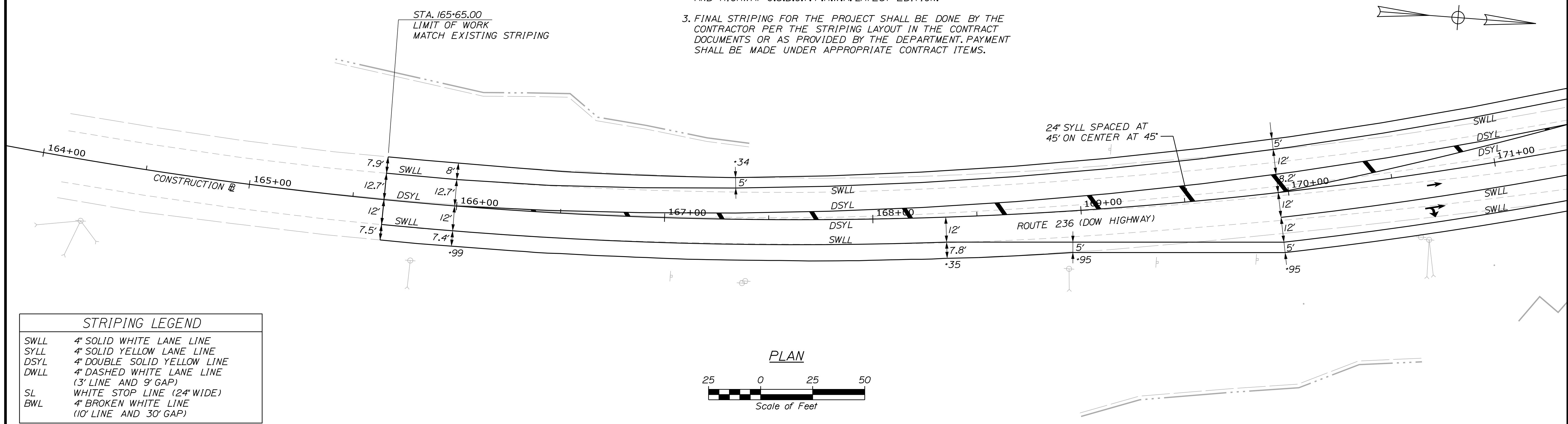
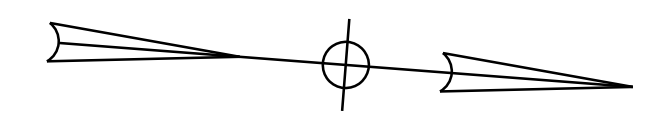
Username: Mike.Cundiff

Division: HIGHWAY

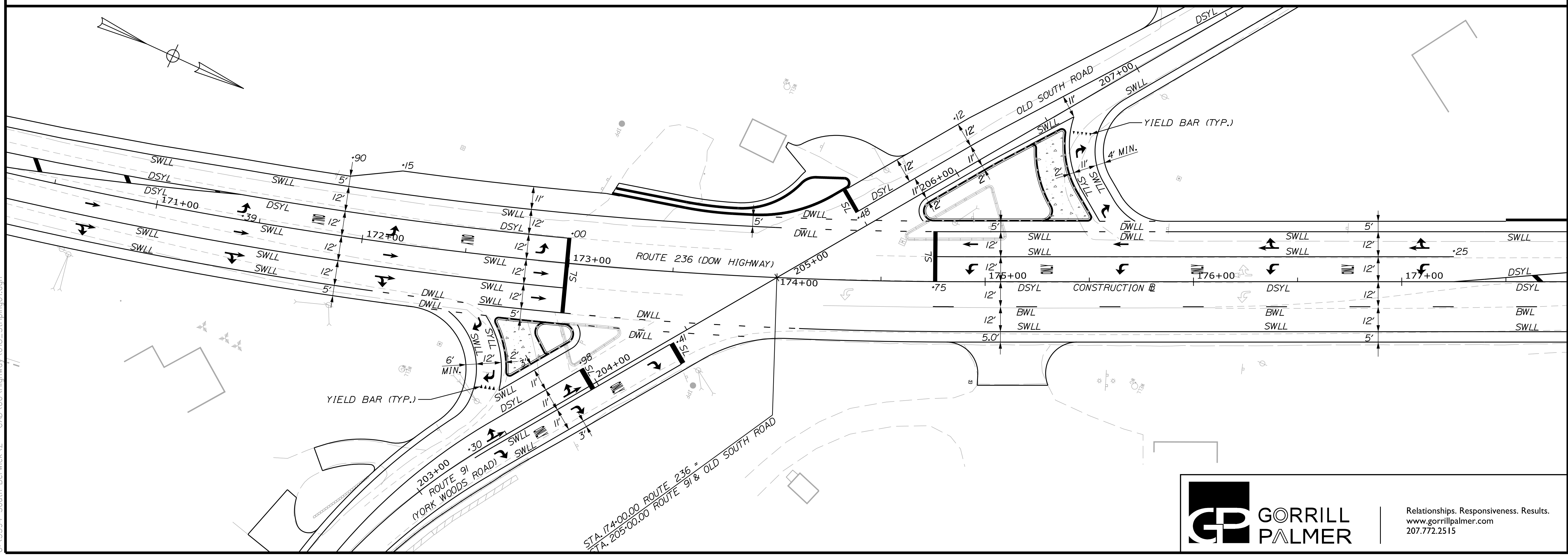
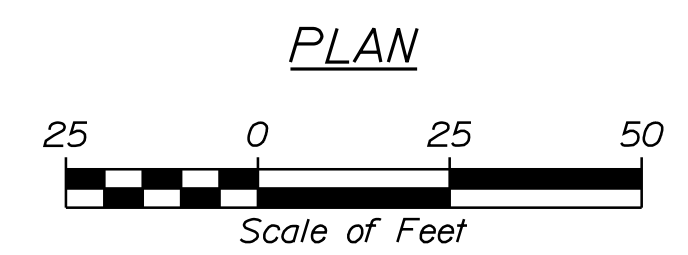
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NOTES:

1. ALL PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED SHALL BE REMOVED IN ACCORDANCE WITH MAINE DOT SPECIFICATIONS.
2. PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAY" U.S.D.O.T. F.H.W.A. LATEST EDITION.
3. 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.



STRIPING LEGEND	
SWLL	4" SOLID WHITE LANE LINE
SYLL	4" SOLID YELLOW LANE LINE
DSYL	4" DOUBLE SOLID YELLOW LINE
DWLL	4" DASHED WHITE LANE LINE (3' LINE AND 9' GAP)
SL	WHITE STOP LINE (24" WIDE)
BWL	4" BROKEN WHITE LINE (10' LINE AND 30' GAP)



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	DATE	BY	DATE
A. CORNEAU II	04/22	M. CUNDIFF	04/22
DESIGN-DETAILED		J. WINCHENBACH	
CHECKED-REVIEWED		D. ETINGER	
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SOUTH BERWICK
ROUTE 236 & ROUTE 91
STRIPING PLANS

SHEET NUMBER
18
OF 55



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207.772.2515

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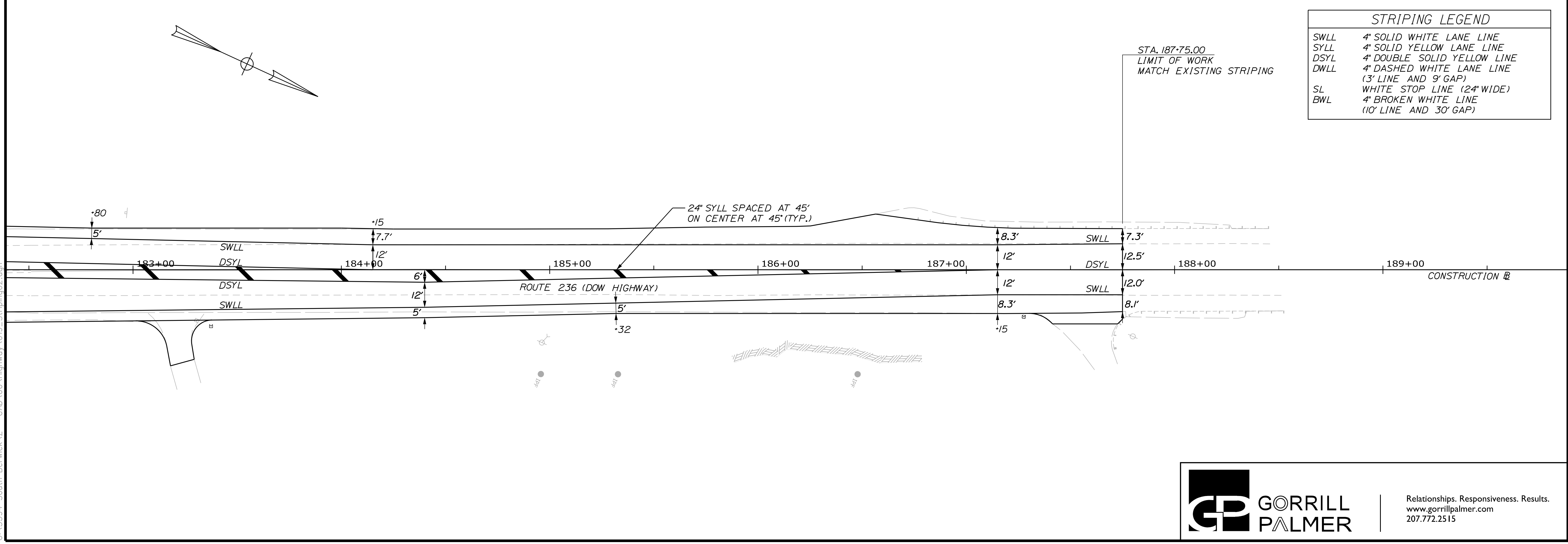
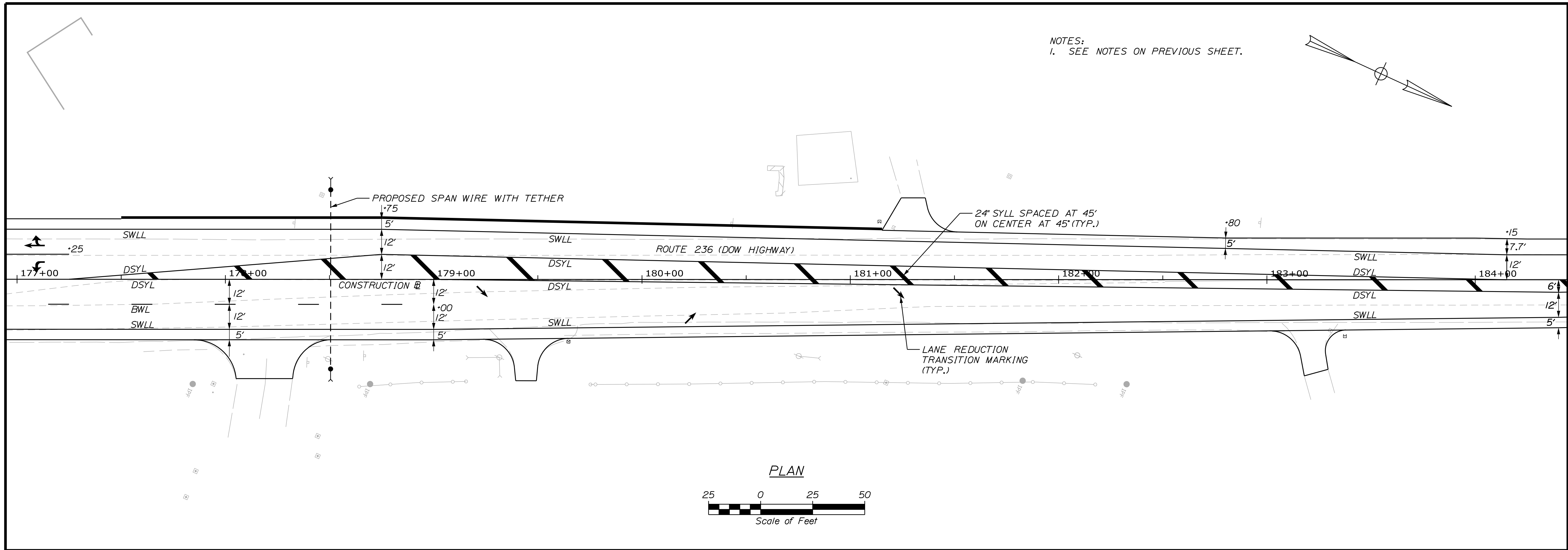
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...00\Highway\019_Striping02.dgn

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NOTES:
1. SEE NOTES ON PREVIOUS SHEET.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	DATE	BY	DATE
A. CORNEAU II	04/22	M. CUNDIFF	04/22
J. WINCHENBACH		D. ETINGER	
CHECKED-REVIEWED			
DESIGN DETAILED			
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

SOUTH BERWICK
ROUTE 236 & ROUTE 91
STRIPING PLANS

SHEET NUMBER
19
OF 55



Date: 4/7/2022

Username: Mike.Cundiff

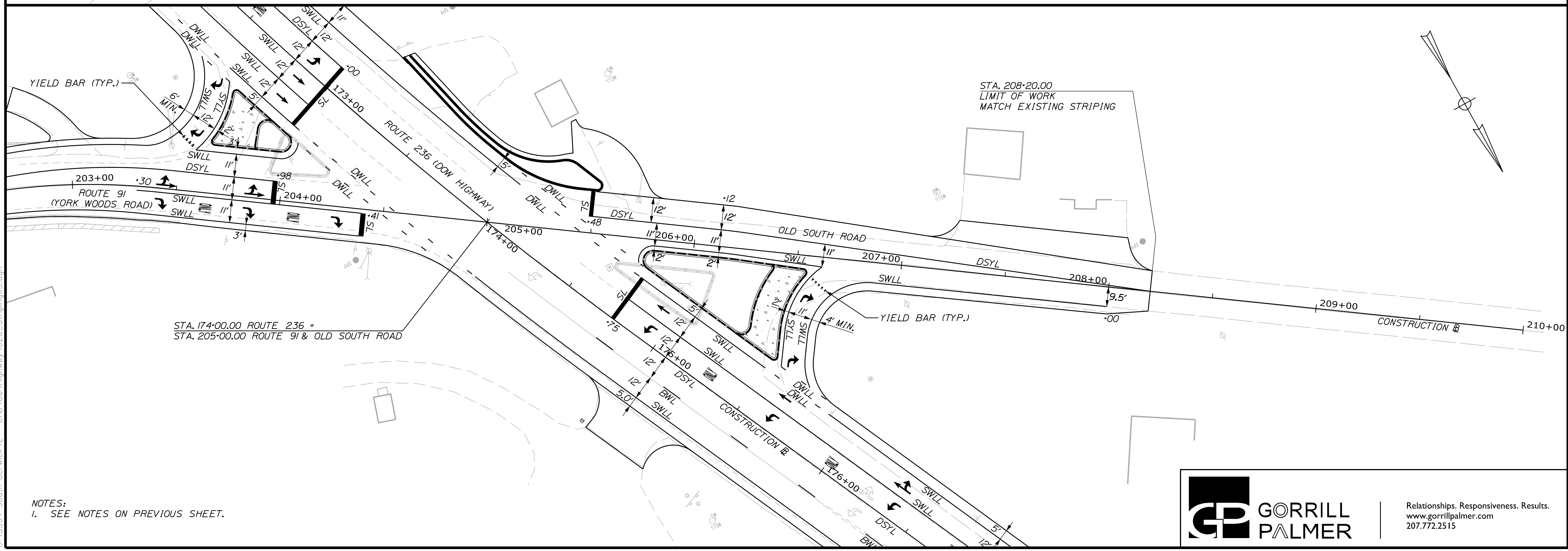
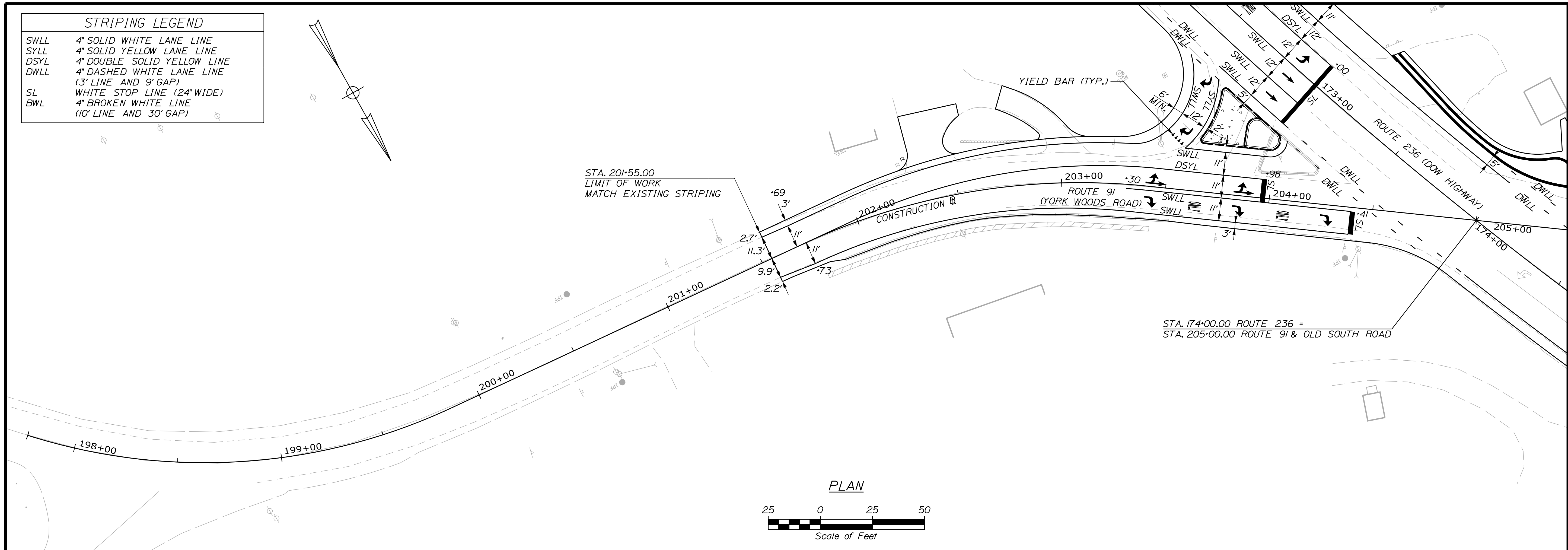
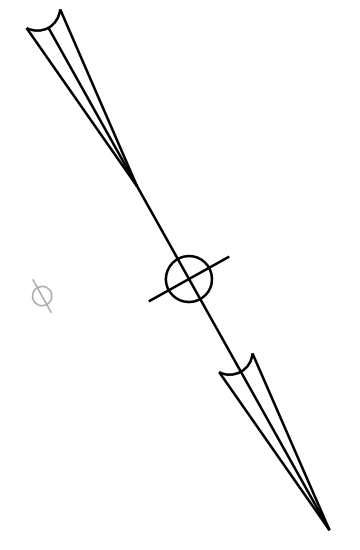
Division: HIGHWAY

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STRIPING LEGEND

SWLL	4" SOLID WHITE LANE LINE
SYLL	4" SOLID YELLOW LANE LINE
DSYL	4" DOUBLE SOLID YELLOW LINE
DWLL	4" DASHED WHITE LANE LINE (3' LINE AND 9' GAP)
SL	WHITE STOP LINE (24" WIDE)
BWL	4" BROKEN WHITE LINE (10' LINE AND 30' GAP)



NOTES:
1. SEE NOTES ON PREVIOUS SHEET.



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
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21829.00

PROJ. MANAGER	A. CORNEAU II	DATE
DESIGN-DETAILED	J. WINGBERG <td>04/22</td>	04/22
CHECKED-REVIEWED	M. CUNDIFF <td>04/22</td>	04/22
DESIGN-DETAILED	D. ETINGER	
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SOUTH BERWICK
ROUTE 236 & ROUTE 91
STRIPING PLANS

SHEET NUMBER
20
OF 55

Date: 4/7/2022

Username: Mike.Cundiff

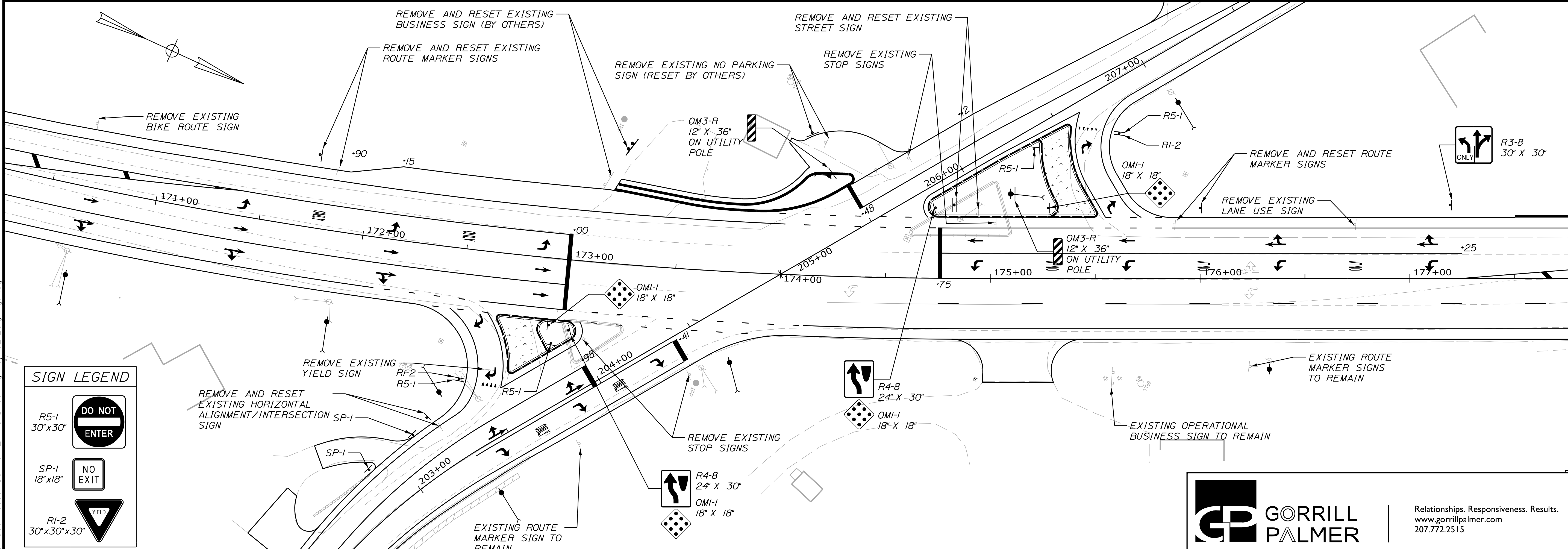
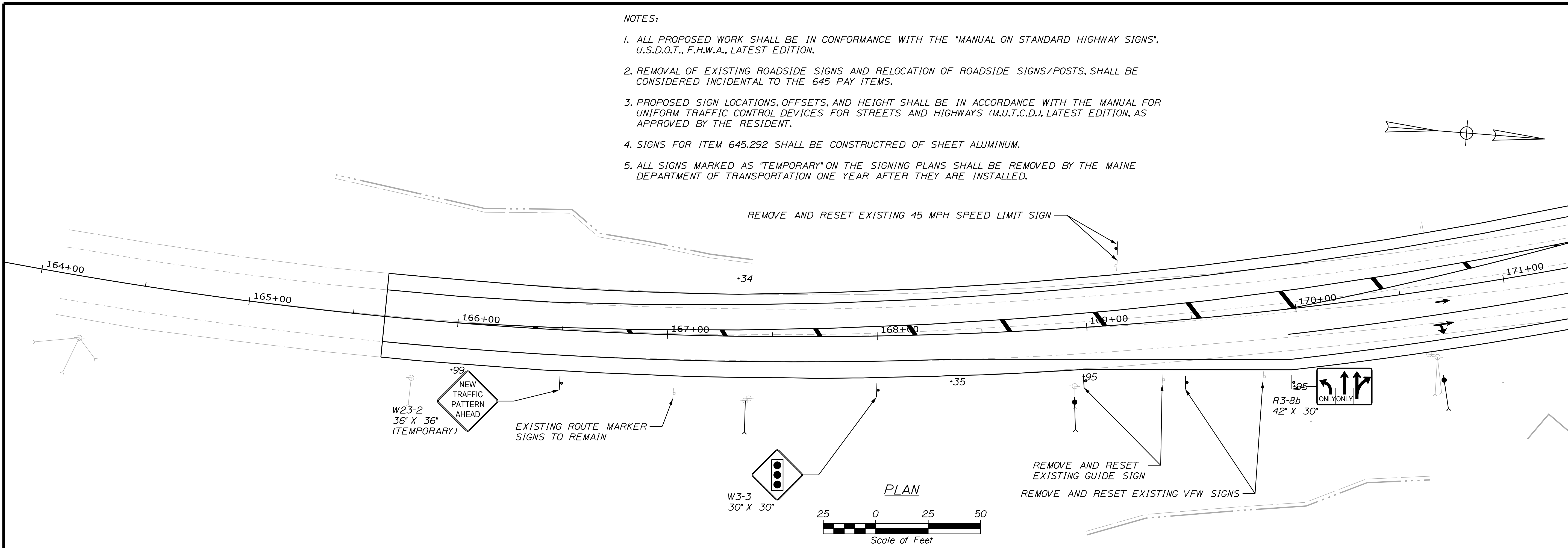
Division: HIGHWAY

Filename: ... \000\Highway\021_Signing\01.dgn

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NOTES:

1. ALL PROPOSED WORK SHALL BE IN CONFORMANCE WITH THE "MANUAL ON STANDARD HIGHWAY SIGNS", U.S.D.O.T., F.H.W.A., LATEST EDITION.
2. REMOVAL OF EXISTING ROADSIDE SIGNS AND RELOCATION OF ROADSIDE SIGNS/POSTS, SHALL BE CONSIDERED INCIDENTAL TO THE 645 PAY ITEMS.
3. PROPOSED SIGN LOCATIONS, OFFSETS, AND HEIGHT SHALL BE IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (M.U.T.C.D.), LATEST EDITION, AS APPROVED BY THE RESIDENT.
4. SIGNS FOR ITEM 645.292 SHALL BE CONSTRUCTED OF SHEET ALUMINUM.
5. ALL SIGNS MARKED AS "TEMPORARY" ON THE SIGNING PLANS SHALL BE REMOVED BY THE MAINE DEPARTMENT OF TRANSPORTATION ONE YEAR AFTER THEY ARE INSTALLED.



SIGN LEGEND

- R5-1 30' x 30'
- SP-1 18' x 18'
- RI-2 30' x 30' x 30'



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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2182900		WIN 21829.00	
SOUTH BERWICK ROUTE 236 & ROUTE 91		SIGNING PLANS			
SHEET NUMBER		21			
		OF 55			
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF	DATE	04/22
DESIGN/DETAILED	J. WINGENBACH	CHECKED/REVIEWED	D. ETINGER	DATE	04/22
DESIGN/DETAILED		DESIGN/DETAILED		SIGNATURE	
REVISIONS 1		REVISIONS 1		P.E. NUMBER	
REVISIONS 2		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES					

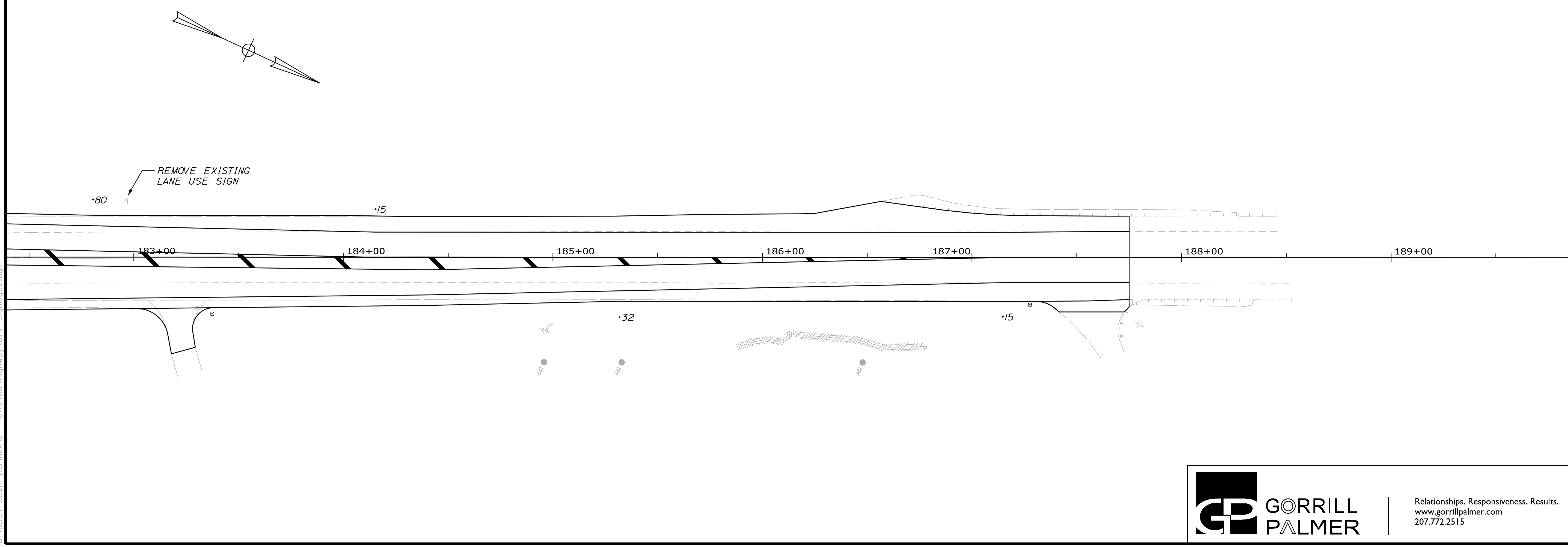
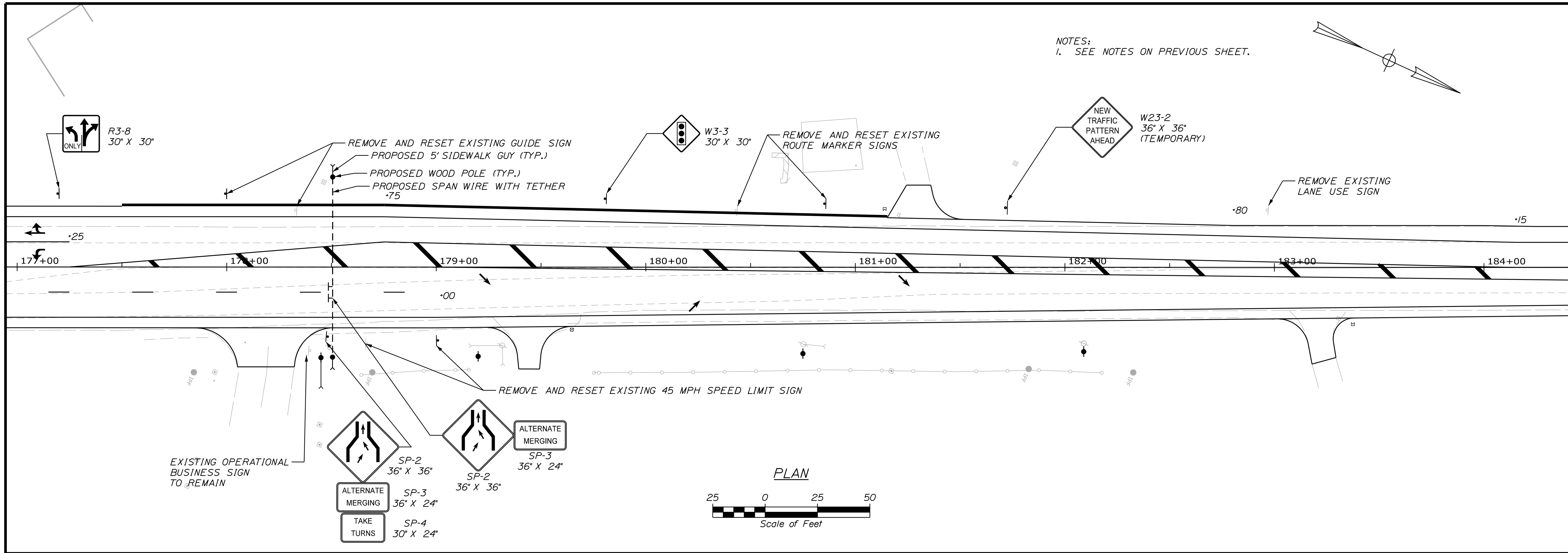
Date: 4/7/2022

Username: Mike.Cundiff

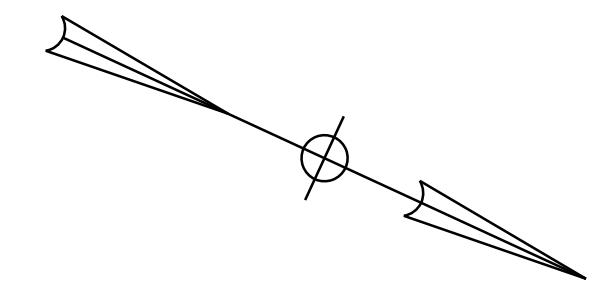
Division: HIGHWAY

Filename: ...000\Highway\022_Signing02.dgn

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NOTES:
1. SEE NOTES ON PREVIOUS SHEET.



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

DATE	BY	SIGNATURE	P.E. NUMBER	DATE
04/22	M. CUNDIFF			
04/22	D. ETINGER			

PROJ. MANAGER	DESIGN DETAILED	CHECKED	REVIEWED	DESIGN DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
A. CORNEAU II	J. WINCHENBACH	M. CUNDIFF	D. ETINGER						

SOUTH BERWICK
ROUTE 236 & ROUTE 91
SIGNING PLANS

SHEET NUMBER
22
OF 55



Relationships. Responsiveness. Results.
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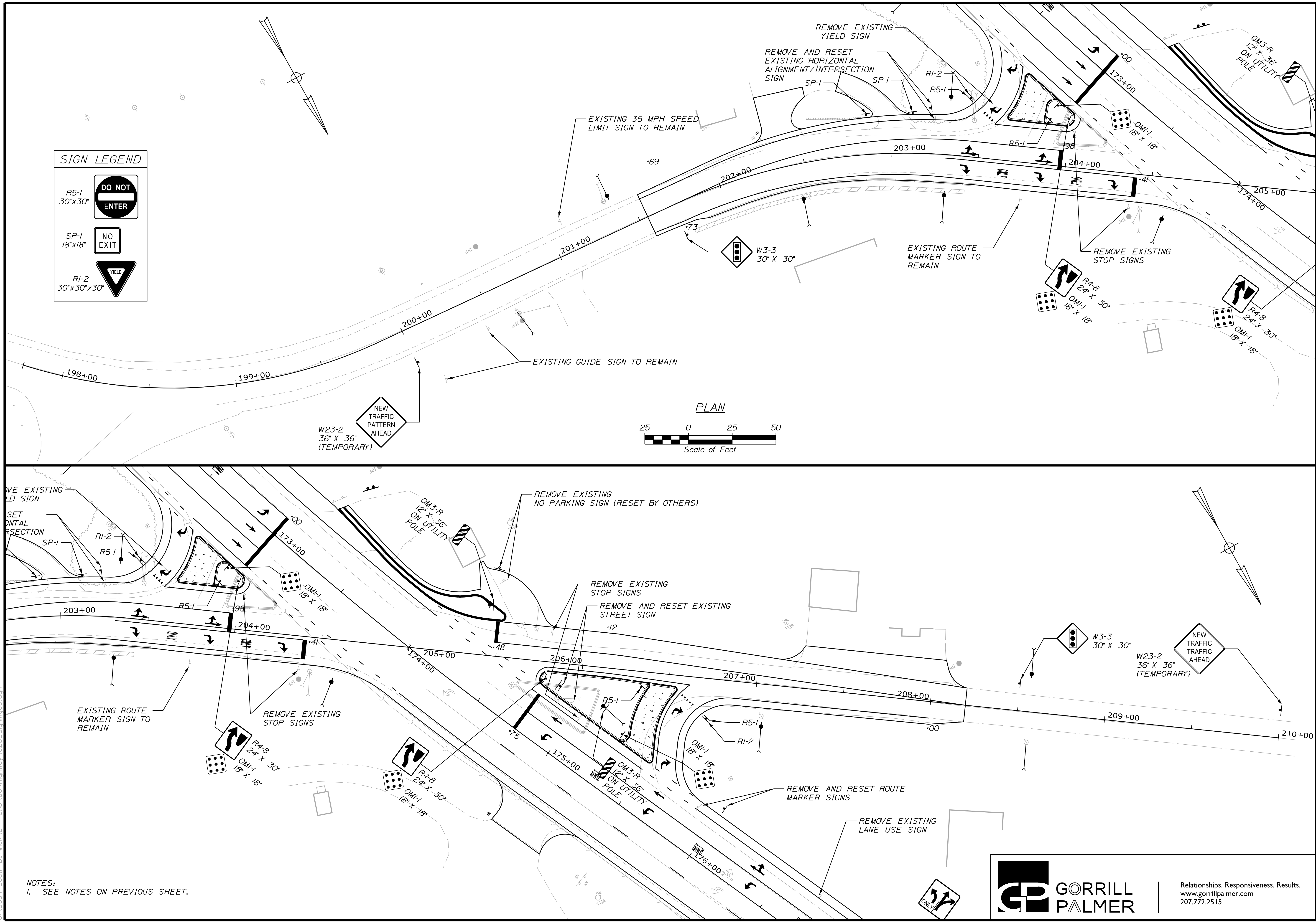
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...000\Highway\023_Signing03.dgn

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NOTES:
 1. SEE NOTES ON PREVIOUS SHEET.



Relationships. Responsiveness. Results.
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STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2182900		WIN		21829.00	
SOUTH BERWICK		ROUTE 236 & ROUTE 91		SIGNING PLANS		SHEET NUMBER		23	
OF 55		DATE		SIGNATURE		P.E. NUMBER		DATE	
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF	DATE	04/22				
DESIGN DETAILED	J. WINCHESTER	CHECKED	D. ETINGER	DATE	04/22				
DESIGNS DETAILED		DESIGNS DETAILED							
REVISIONS 1		REVISIONS 1							
REVISIONS 2		REVISIONS 2							
REVISIONS 3		REVISIONS 3							
REVISIONS 4		REVISIONS 4							
FIELD CHANGES									

Date: 4/7/2022

Username: Mike.Cundiff

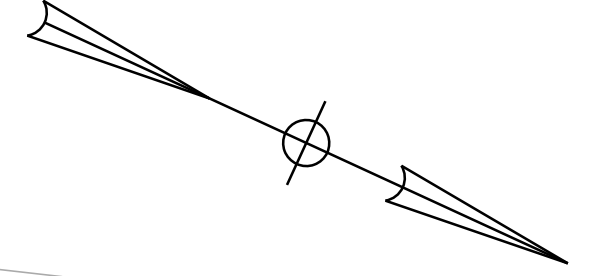
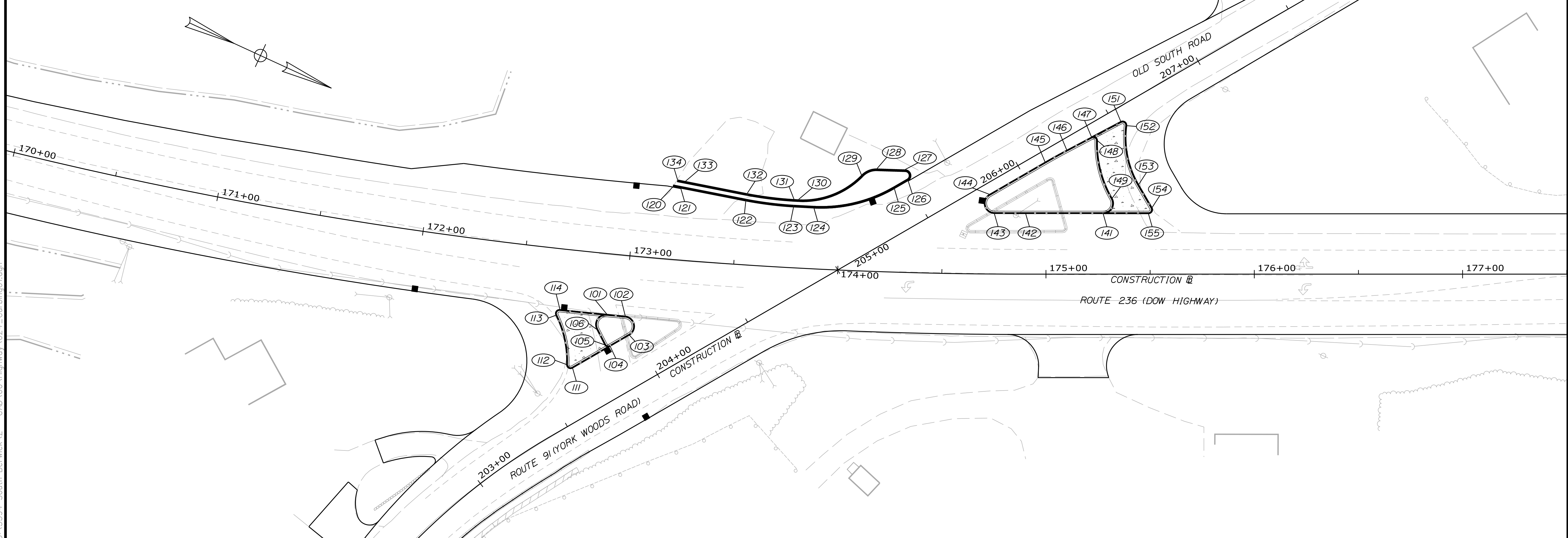
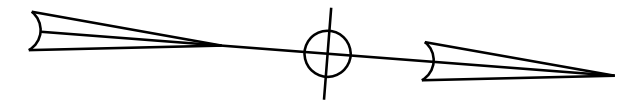
Division: HIGHWAY

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CURB TABLE						
PT. NO.	STATION/OFFSET FROM	PT. NO.	STATION/OFFSET TO	LENGTH (FT)	RADIUS (FT)	CURB TYPE
101	172-91.70, 29.00' RT.	102	173-00.44, 29.00' RT.	8.87	2075.48	5
102	173-00.44, 29.00' RT.	103	203-97.79, 23.00' LT.	12.62	5.00	5
103	203-97.79, 23.00' LT.	104	203-87.11, 23.00' LT.	10.68	-	5
104	203-87.11, 23.00' LT.	105	203-85.12, 25.11' LT.	3.25	2.00	5
105	203-85.12, 25.11' LT.	106	172-87.56, 36.70' RT.	8.34	-	5
106	172-87.56, 36.70' RT.	101	172-91.70, 29.00' RT.	10.70	5.00	5
104	203-87.11, 23.00' LT.	111	203-66.24, 23.00' LT.	20.88	-	5TA
111	203-66.24, 23.00' LT.	112	203-64.54, 26.06' LT.	4.26	2.00	5TA
112	203-64.54, 26.06' LT.	113	172-67.69, 32.08' RT.	24.41	49.00	5TA
113	172-67.69, 32.08' RT.	114	172-69.35, 29.00' RT.	4.28	2.00	5TA
114	172-69.35, 29.00' RT.	101	172-91.70, 29.00' RT.	22.67	2075.48	5TA
120	173-17.68, 34.71' LT.	121	173-21.73, 34.27' LT.	4.00	-	TD3
121	173-21.73, 34.27' LT.	122	173-53.74, 30.48' LT.	31.74	-	3
122	173-53.74, 30.48' LT.	123	173-77.12, 29.00' LT.	23.10	180.00	3
123	173-77.12, 29.00' LT.	124	173-87.14, 29.00' LT.	9.88	2017.48	3
124	173-87.14, 29.00' LT.	125	205-43.11, 20.00' LT.	40.31	70.00	3
125	205-43.11, 20.00' LT.	126	205-50.74, 20.00' LT.	7.63	-	3
126	205-50.74, 20.00' LT.	127	205-52.31, 25.55' LT.	7.76	3.00	3
127	205-52.31, 25.55' LT.	128	205-40.82, 32.72' LT.	13.55	1996.98	3
128	205-40.82, 32.72' LT.	129	205-32.78, 33.88' LT.	8.36	10.00	3
129	205-32.78, 33.88' LT.	130	173-79.44, 33.00' LT.	30.34	39.00	3
130	173-79.44, 33.00' LT.	131	173-77.13, 33.00' LT.	2.27	2013.48	3
131	173-77.13, 33.00' LT.	132	173-54.24, 34.45' LT.	22.57	176.00	3
132	173-54.24, 34.45' LT.	133	173-23.75, 38.07' LT.	30.17	-	3
133	173-23.75, 38.07' LT.	134	173-19.70, 38.52' LT.	4.00	-	TD3
141	175-27.46, 29.00' LT.	142	174-90.28, 29.00' LT.	37.17	-	5
142	174-90.28, 29.00' LT.	143	174-75.01, 29.00' LT.	15.06	2017.48	5
143	174-75.01, 29.00' LT.	144	205-81.17, 5.00' RT.	13.04	5.00	5
144	205-81.17, 5.00' RT.	145	206-12.14, 5.00' RT.	30.98	-	5
145	206-12.14, 5.00' RT.	146	206-24.04, 5.24' RT.	11.90	300.00	5
146	206-24.04, 5.24' RT.	147	206-37.45, 5.77' RT.	13.43	-	5
147	206-37.45, 5.77' RT.	148	206-39.07, 8.82' RT.	4.17	2.00	5
148	206-39.07, 8.82' RT.	149	175-31.78, 36.51' LT.	28.86	52.00	5
149	175-31.78, 36.51' LT.	141	175-27.46, 29.00' LT.	10.49	5.00	5
147	206-37.45, 5.77' RT.	151	206-53.34, 6.40' RT.	15.90	-	5TA
151	206-53.34, 6.40' RT.	152	206-54.84, 9.61' RT.	4.37	2.00	5TA
152	206-54.84, 9.61' RT.	153	175-44.51, 43.07' LT.	29.37	45.00	5TA
153	175-44.51, 43.07' LT.	154	175-50.93, 32.00' LT.	12.79	-	5TA
154	175-50.93, 32.00' LT.	155	175-49.20, 29.00' LT.	4.19	2.00	5TA
155	175-49.20, 29.00' LT.	141	175-27.46, 29.00' LT.	21.74	-	5TA

3 = TYPE 3, MOLD 2 CURB TD3 = TYPE 3, MOLD 2 CURB TIPDOWN
 5 = TYPE 5 CURB 5TA = TYPE 5 CURB - TRUCK APRON



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2182900		WIN 21829.00	
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF	SIGNATURE	
DESIGN-DETAILED	J. WINCHESTER	DATE	04/22	P.E. NUMBER	
CHECKED-REVIEWED	D. ETINGER		04/22	DATE	
DESIGNS DET AILED 0					
DESIGNS DET AILED 0					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
SOUTH BERWICK ROUTE 236 & ROUTE 91			CURBING PLANS		
SHEET NUMBER			24		
			OF 55		

Date: 4/7/2022

Username: Mike.Cundiff

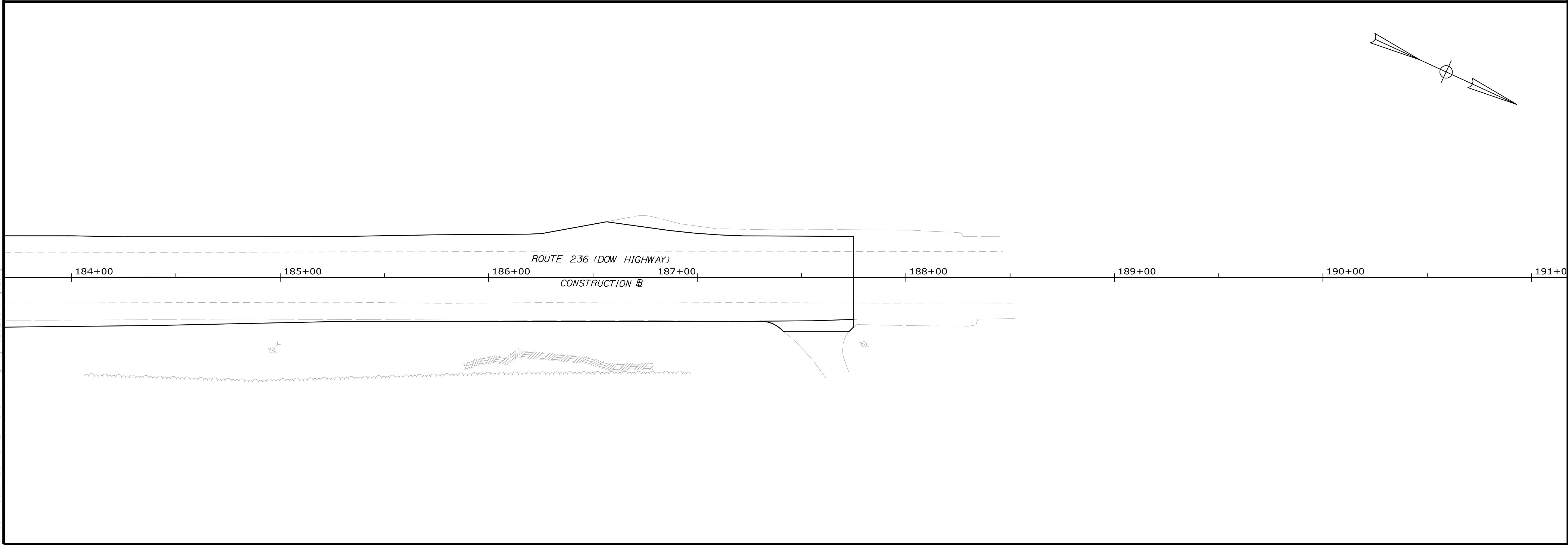
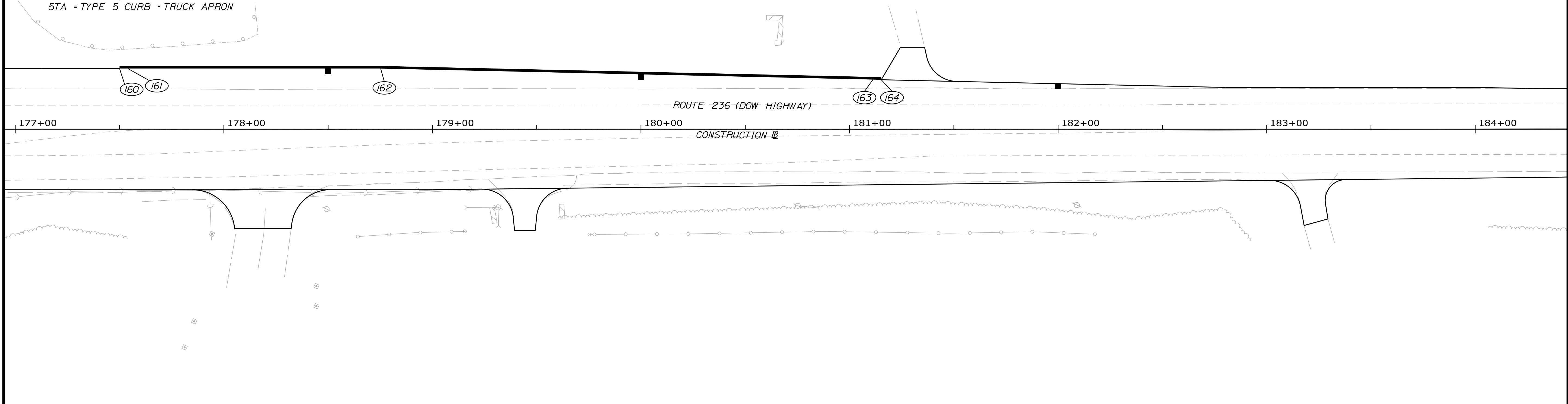
Division: HIGHWAY

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CURB TABLE						
PT. NO.	STATION/OFFSET FROM	PT. NO.	STATION/OFFSET TO	LENGTH (FT)	RADIUS (FT)	CURB TYPE
160	177+50.00, 29.00' LT.	161	177+54.00, 29.00' LT.	4.00	-	TD3
161	177+54.00, 29.00' LT.	162	178+75.19, 29.00' LT.	121.19	-	3
162	178+75.19, 29.00' LT.	163	181+11.22, 23.75' LT.	236.09	-	3
163	181+11.22, 23.75' LT.	164	181+15.22, 23.67' LT.	4.00	-	TD3

3 = TYPE 3, MOLD 2 CURB
 5 = TYPE 5 CURB
 TD3 = TYPE 3, MOLD 2 CURB TIPDOWN
 5TA = TYPE 5 CURB - TRUCK APRON



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 2182900
 WIN
 21825.00

PROJ. MANAGER: A. CORNEAU II
 DESIGN-DETAILED: J. WINCHESTER
 CHECKED-REVIEWED: M. CUNDIFF
 DESIGNS-DETAILED: D. ETINGER
 REVISIONS 1
 REVISIONS 2
 REVISIONS 3
 REVISIONS 4
 FIELD CHANGES

DATE	BY	SIGNATURE	P.E. NUMBER	DATE
04/22	M. CUNDIFF			
04/22	D. ETINGER			
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

SOUTH BERWICK
 ROUTE 236 & ROUTE 91
 CURBING PLANS

SHEET NUMBER
 25
 OF 55

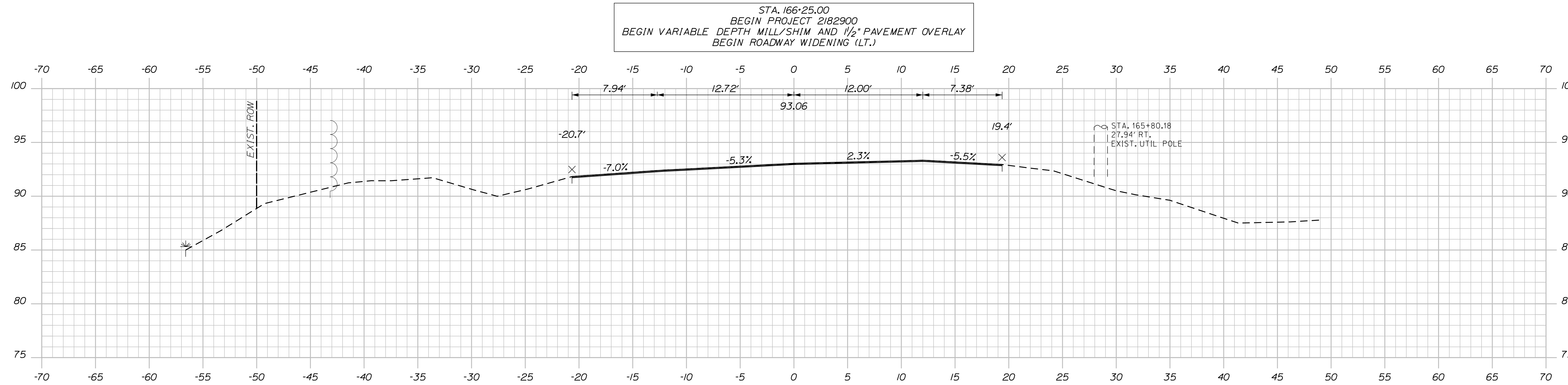
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Username: Mike.Cundiff

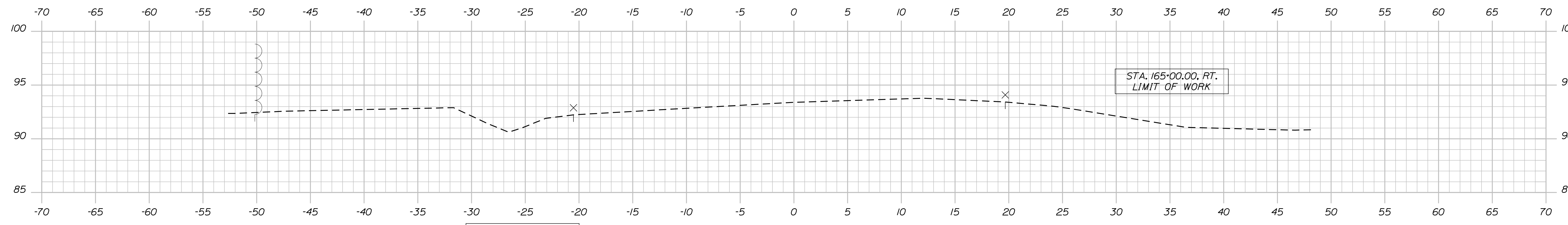
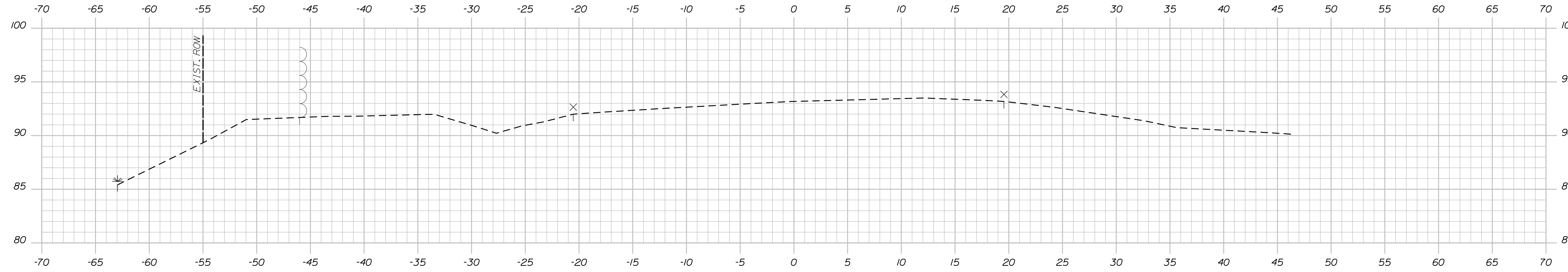
Division: HIGHWAY

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STA. 165+65.00
MATCH EXISTING PAVEMENT WITH BUTT JOINT



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

DESIGN DETAILED	J. WINKENBACH	DATE	04/22
CHECKED/REVIEWED	M. CUNDIFF	DATE	04/22
DESIGN DETAILED	D. ETINGER		
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PROJ. MANAGER	A. CORNEAU II	DATE	
DESIGN DETAILED	J. WINKENBACH	DATE	04/22
CHECKED/REVIEWED	M. CUNDIFF	DATE	04/22
DESIGN DETAILED	D. ETINGER		
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
26
OF 55

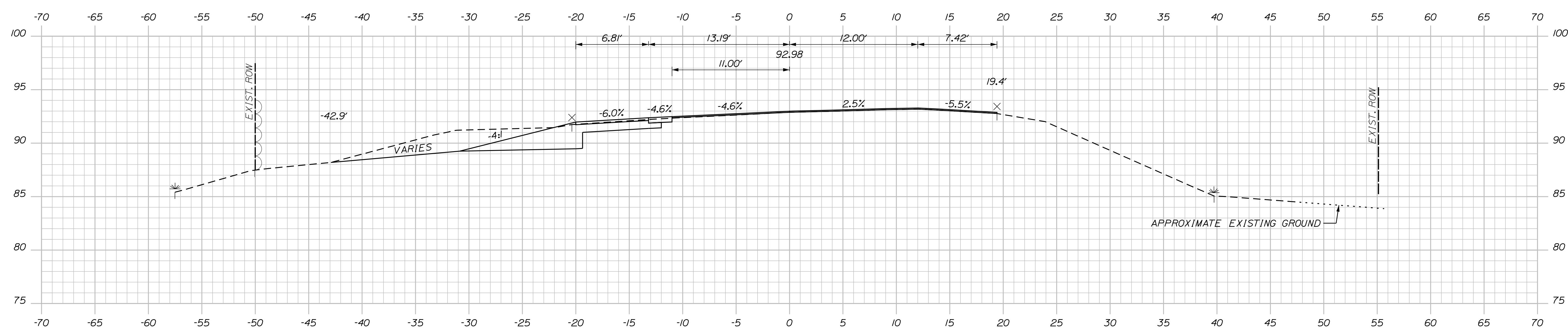
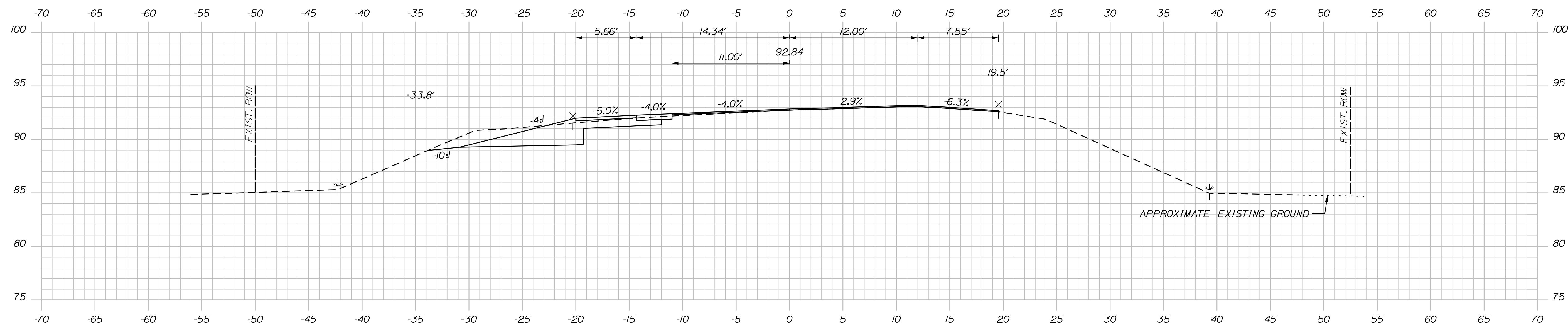
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES	
J. WINDENBACH	M. CUNDIFF	D. ETINGER	-	-	-	-	-	
SIGNATURE							P.E. NUMBER	DATE

PROJ. MANAGER	DATE	BY
A. CORNEAU II	04/22	M. CUNDIFF

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
27
OF 55

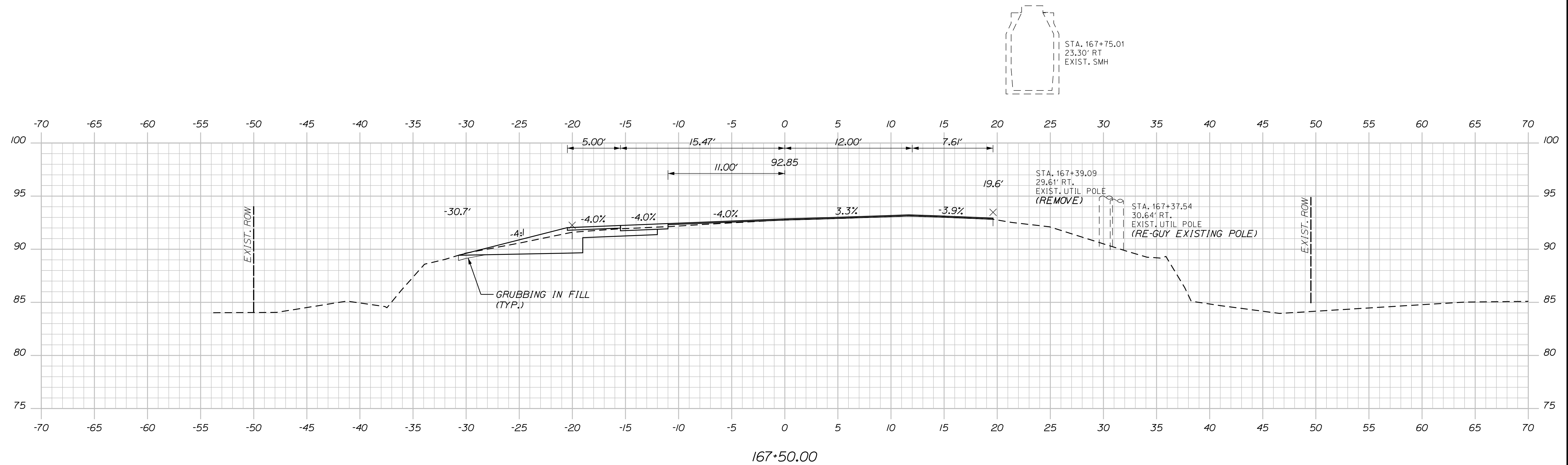
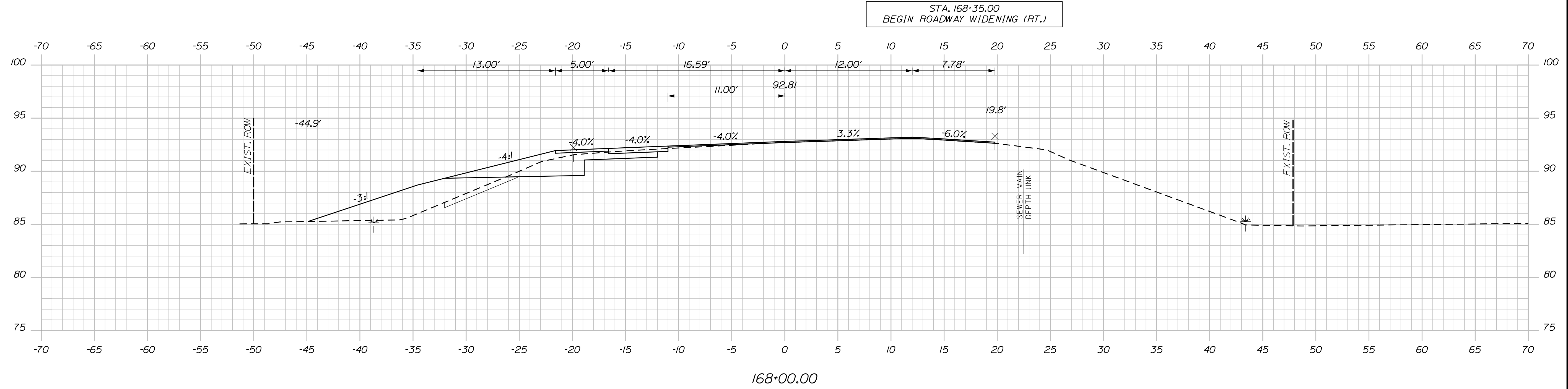
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2182900

WIN
21829.00

SIGNATURE

DATE

BY

PROJ. MANAGER	A. CORNEAU II
DESIGN-DETAILED	J. WACHENBACH
CHECKED-REVIEWED	M. CUNDIFF
DESIGN-DETAILED	D. ETINGER
DESIGN-DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

P.E. NUMBER

DATE

SOUTH BERWICK
ROUTE 236 & ROUTE 91

ROUTE 236 CROSS SECTIONS

SHEET NUMBER

28

OF 55

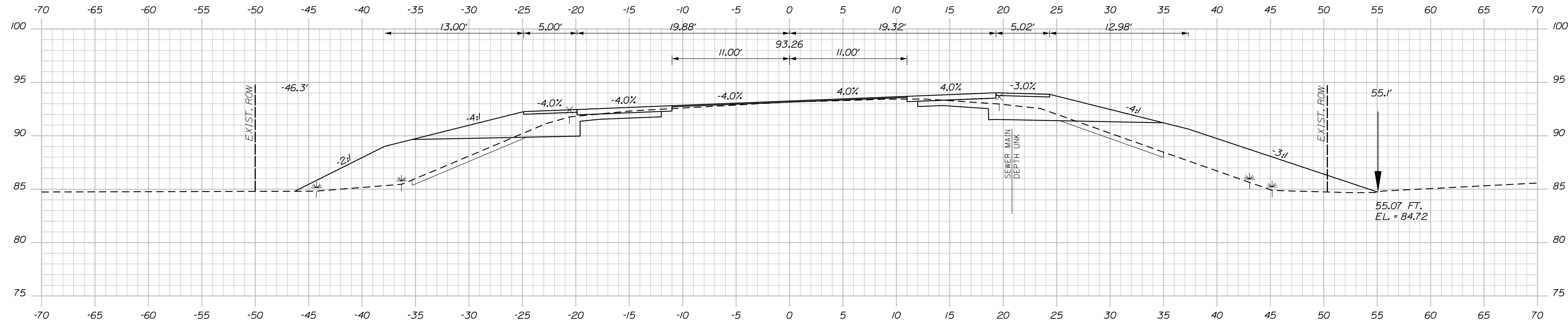
Date: 4/7/2022

Username: Mike.Cundiff

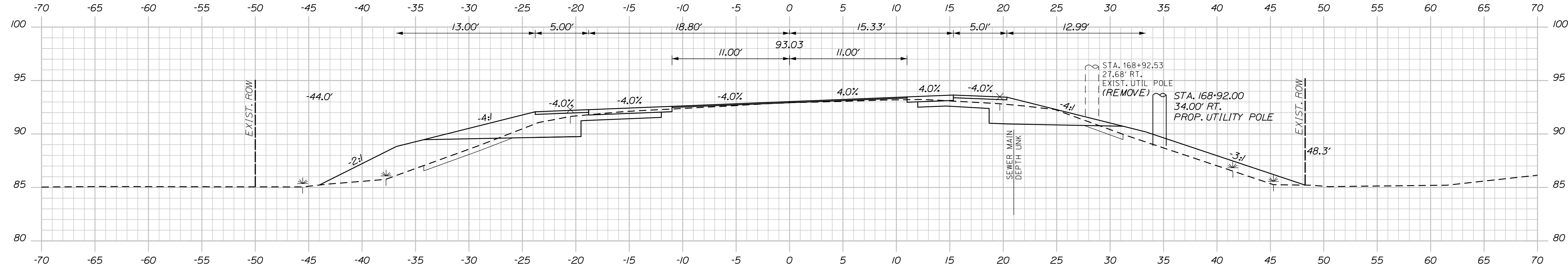
Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

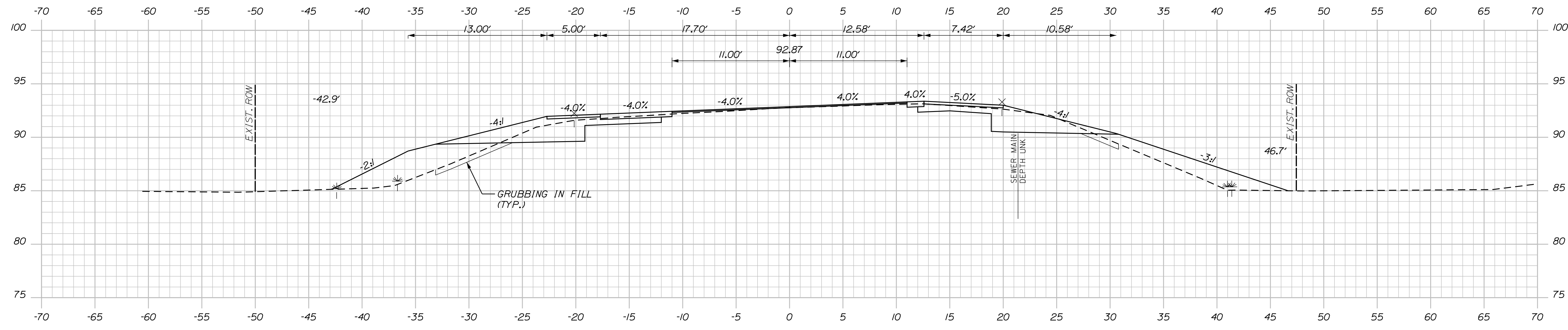
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169+50.00



169+00.00



168+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
A. CORNEAU II	M. CUNDIFF	04/22			
J. WINDENBACH	D. ETINGER	04/22			
DESIGN DETAILED					
CHECKED/REVIEWED					
DESIGN DETAILED					
DESIGN DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
A. CORNEAU II	M. CUNDIFF	04/22			
J. WINDENBACH	D. ETINGER	04/22			
DESIGN DETAILED					
CHECKED/REVIEWED					
DESIGN DETAILED					
DESIGN DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
29
OF 55

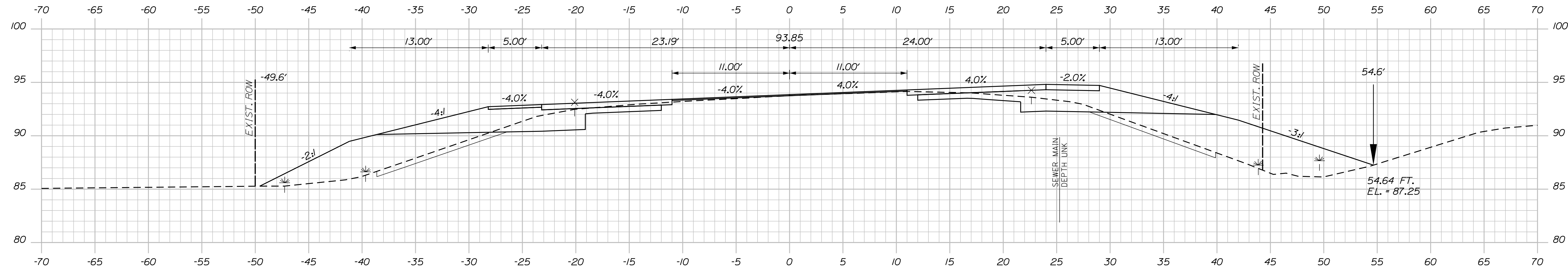
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

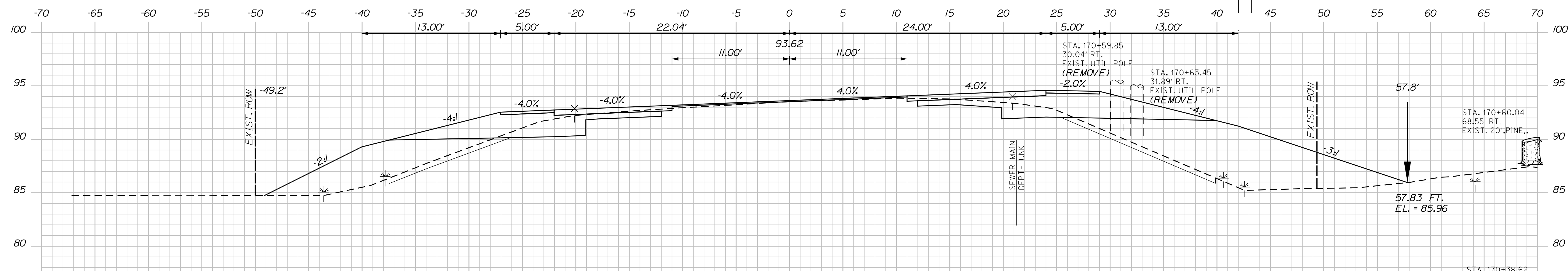
U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn



171+00.00

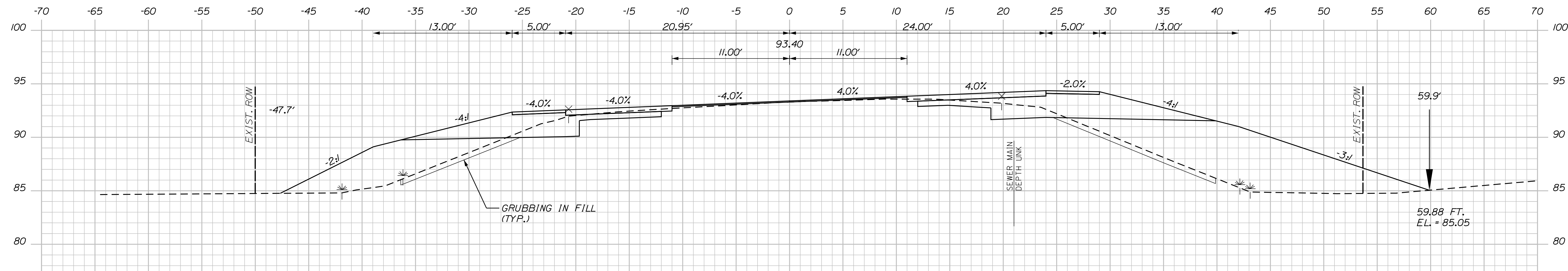
STA. 171+00 TO STA. 176+50, RT.
CONSTRUCT FULL DEPTH PAVEMENT IN SHOULDER

STA. 170+65.00
42.00' RT.
PROP. UTILITY POLE



170+50.00

STA. 170+26.61
55.70' RT.
EXIST. 20', PINE.,



170+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
A. CORNEAU II	04/22	M. CUNDIFF	04/22			
J. WACHENBACH		D. ETINGER				
DESIGN DETAILED						
CHECKED/REVIEWED						
DESIGN DETAILED						
DESIGN DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
30
OF 55

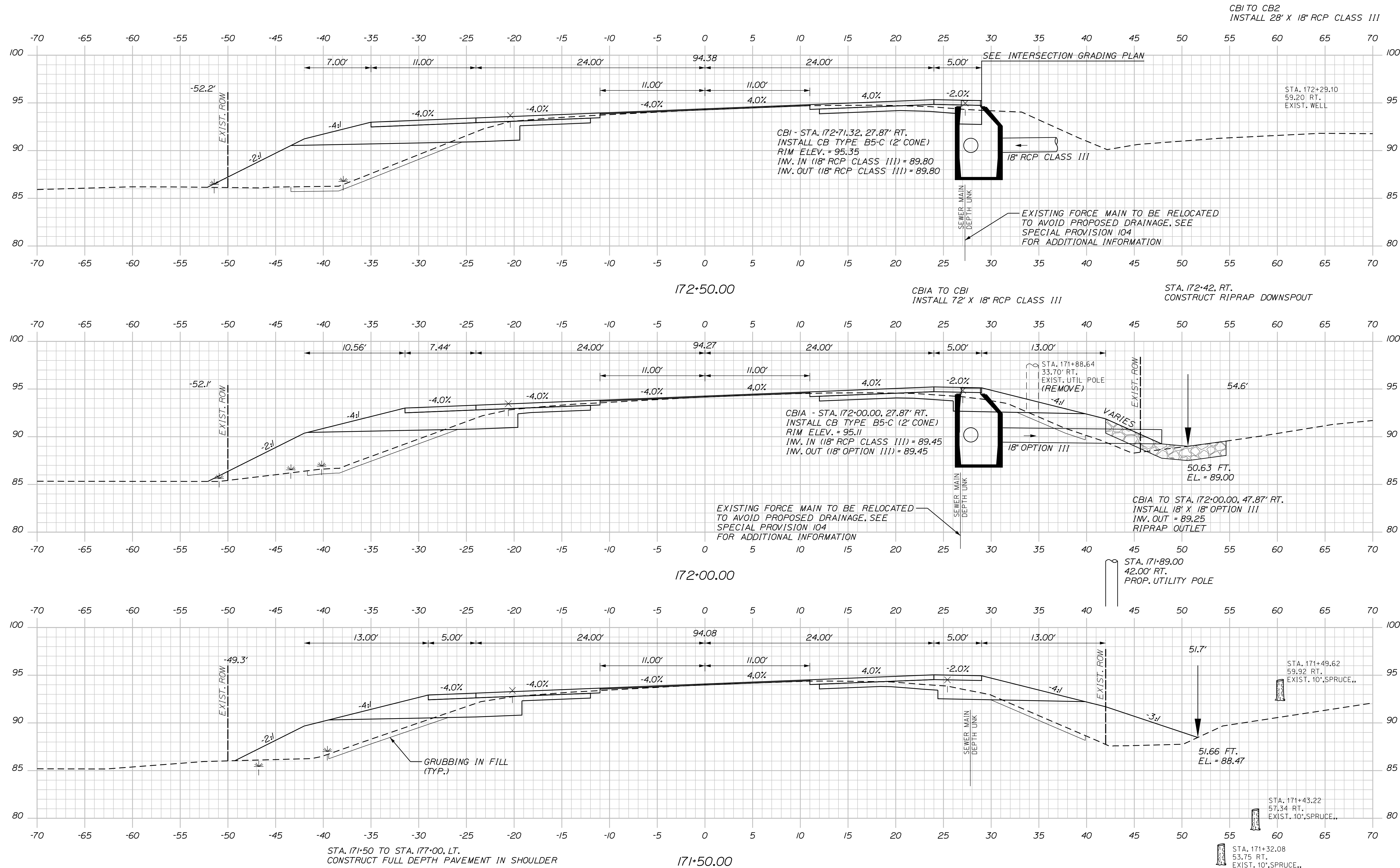
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick V - CAD\00\Highway\Xsect.dgn



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2182900		WIN		21829.00	
PROJ. MANAGER	A. CORNEAU II	DESIGN-DETAILED	J. WACHENBACH	CHECKED-REVIEWED	M. CUNDIFF	DATE	04/22	SIGNATURE	
DESIGNED-REVIEWED	D. ETINGER	DESIGNED-DETAILED		REVISIONS 1		REVISIONS 2		P.E. NUMBER	
REVISIONS 3		REVISIONS 4		FIELD CHANGES				DATE	
SOUTH BERWICK ROUTE 236 & ROUTE 91 ROUTE 236 CROSS SECTIONS									
SHEET NUMBER 31 OF 55									

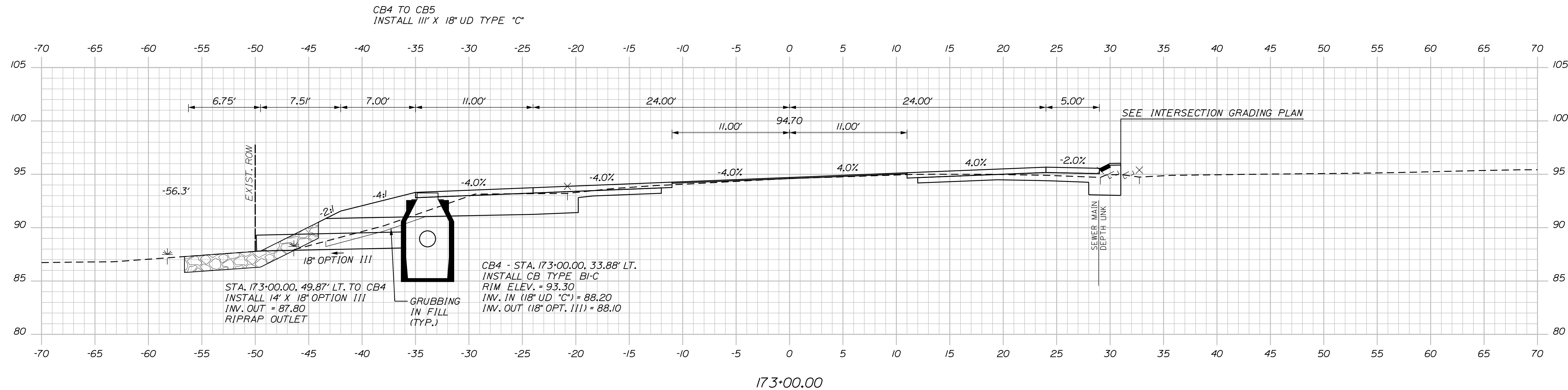
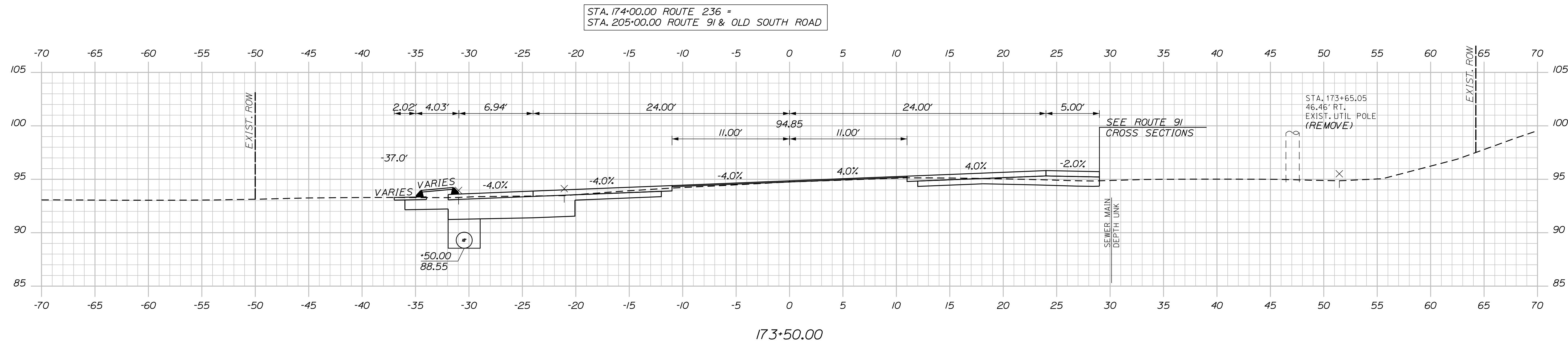
Date: 5/5/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	A. CORNEAU II	BY	DATE
DESIGN-DETAILED	J. WINCHENBACH	M. CUNDIFF	05/22
CHECKED-REVIEWED	D. ETINGER		05/22
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
32
OF 55

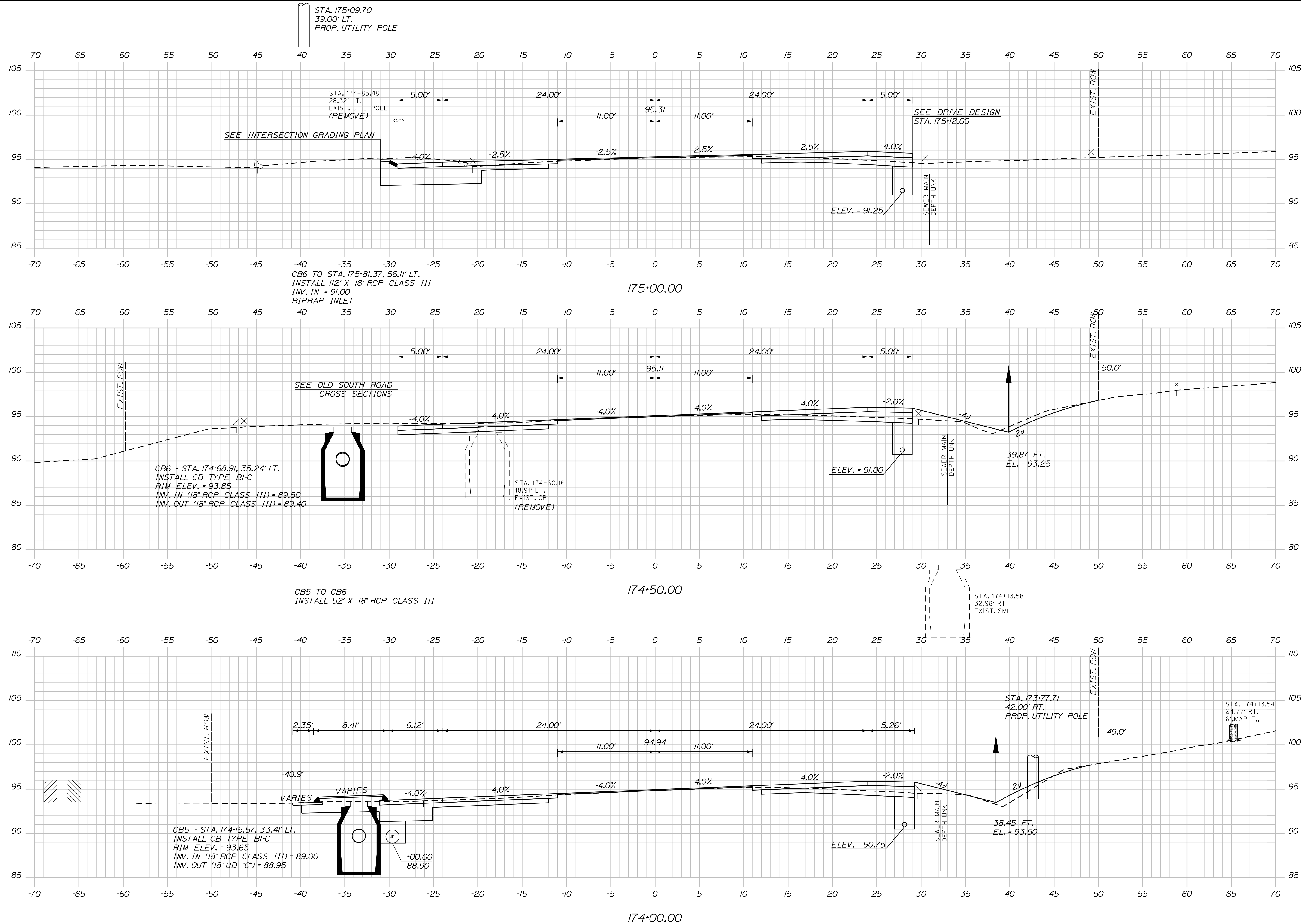
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Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	A. GORNEAU II	BY	M. CUNDIFF	DATE	05/22
DESIGN-DETAILED	J. WINDENBACH	CHECKED-REVIEWED	M. CUNDIFF	DATE	05/22
DESIGN-DETAILED	D. ETINGER	DESIGN-DETAILED		SIGNATURE	
REVISIONS 1		REVISIONS 1		P.E. NUMBER	
REVISIONS 2		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES					

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
33
OF 55

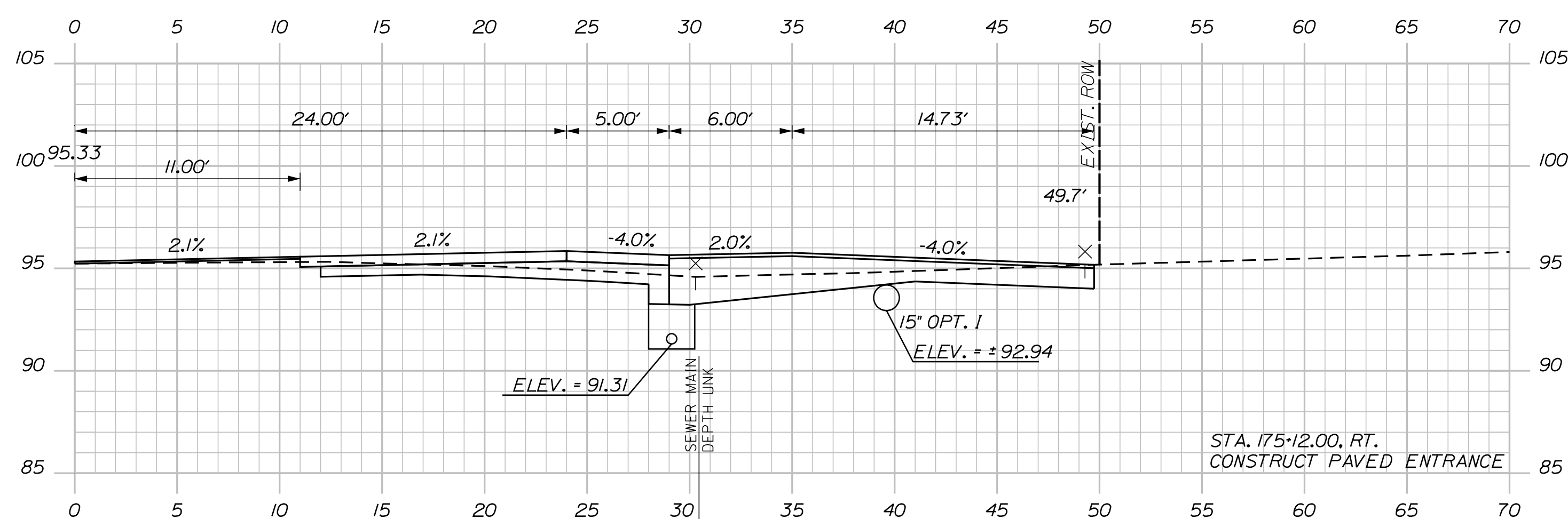
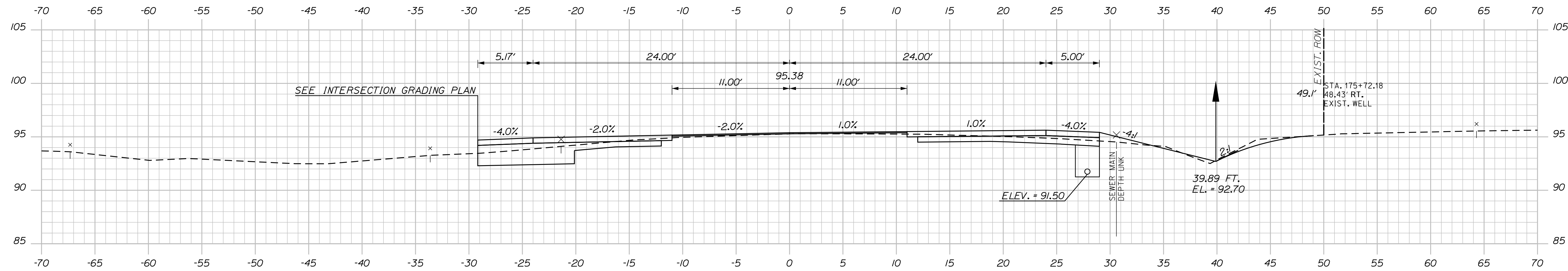
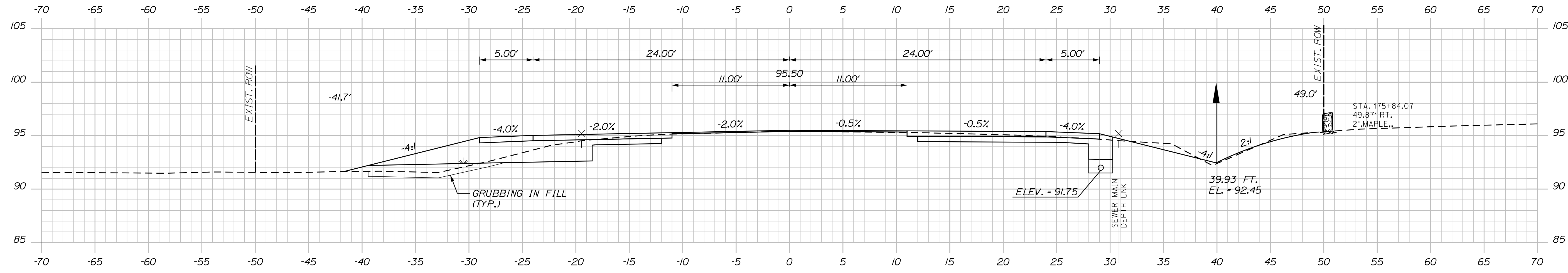
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394 - South Berwick.Z - CAD\00\Highway\Xsect.dgn



STA. 174+89.83, 39.56' RT. TO STA. 175+35.70, 39.66' RT.
INSTALL 46" X 15" OPT. 1
INV. IN = 93.05
INV. OUT = 92.82
RIPRAP INLET AND OUTLET

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
A. CORNEAU II	M. CUNDIFF	04/22			
J. WACHSBACH	D. ETINGER	04/22			
DESIGN DETAILED					
CHECKED/REVIEWED					
DESIGN DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
34
OF 55

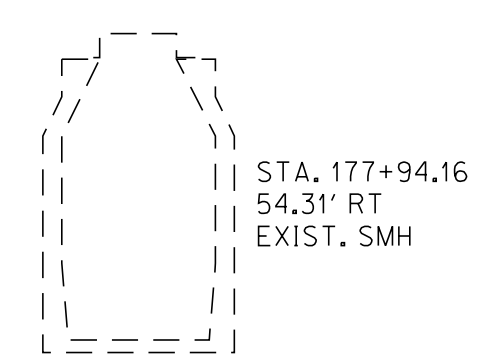
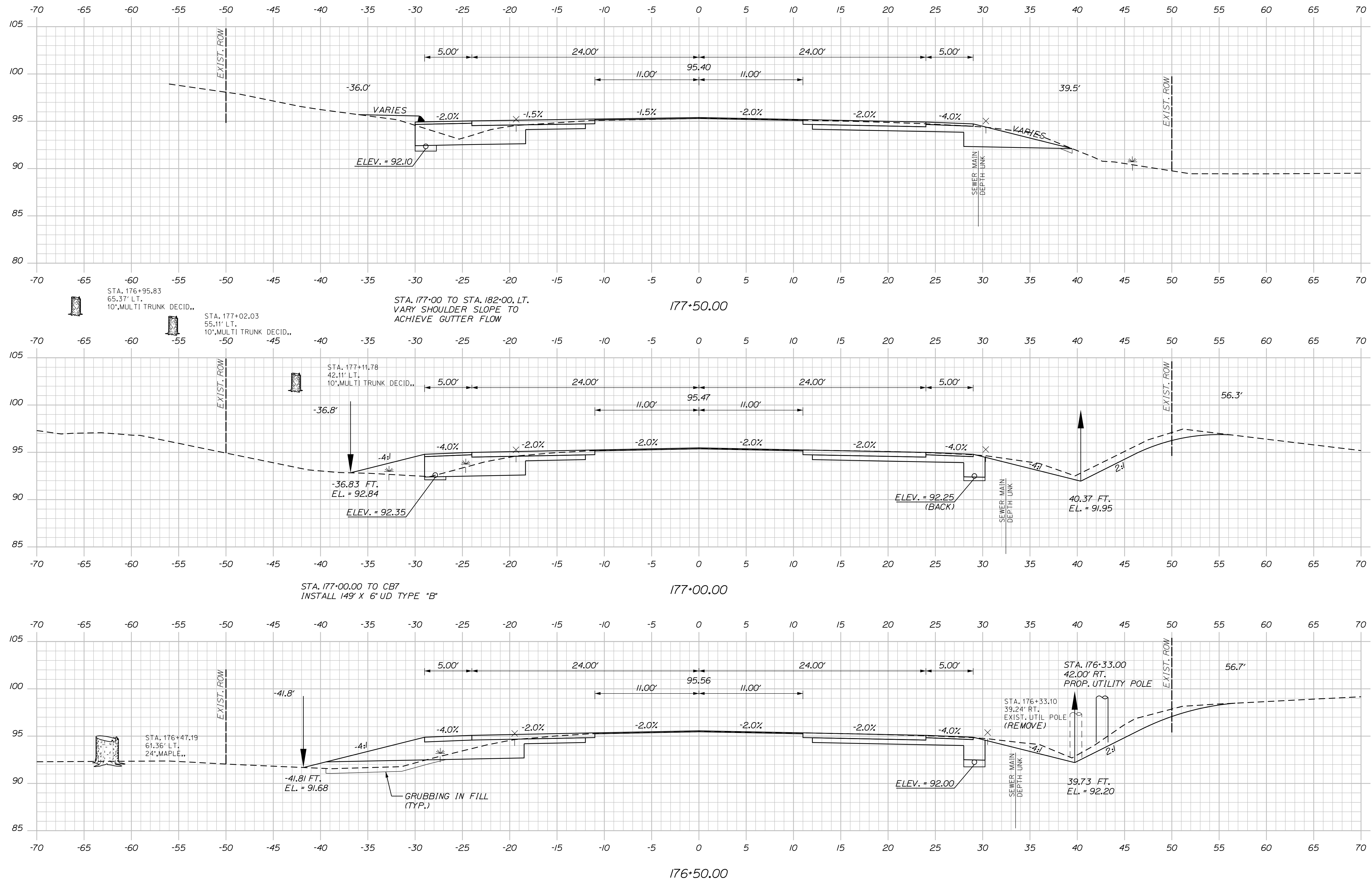
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2182900	
		WIN 21825.00	
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF
CHECKED-REVIEWED	J. WINDENBACH D. ETINGER	DATE	04/22
DESIGNS DET AILED		SIGNATURE	
DESIGNS DET AILED		P.E. NUMBER	
REVISIONS 1		DATE	
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SOUTH BERWICK ROUTE 236 & ROUTE 91			
ROUTE 236 CROSS SECTIONS			
SHEET NUMBER 35 OF 55			

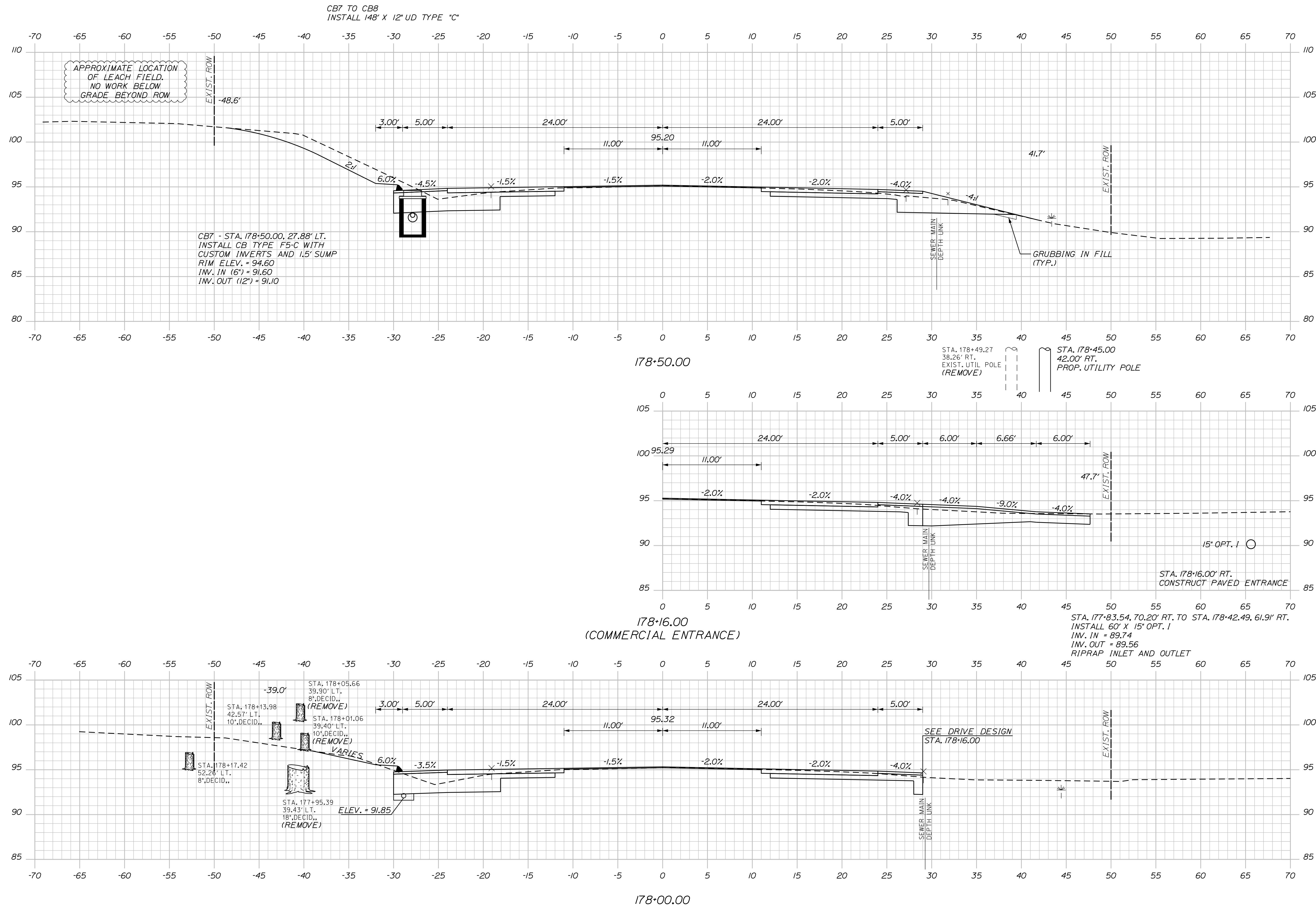
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

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STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2182900		WIN	
SOUTH BERWICK		ROUTE 236 & ROUTE 91		ROUTE 236 CROSS SECTIONS		SHEET NUMBER	
36		OF 55		DATE		DATE	
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF	DATE	04/22	SIGNATURE	
CHECKED-REVIEWED	J. WACHENBACH	DESIGNED-DETAILED	D. ETINGER	DATE	04/22	P.E. NUMBER	
DESIGNED-DETAILED		REVISIONS 1					
		REVISIONS 2					
		REVISIONS 3					
		REVISIONS 4					
		FIELD CHANGES					

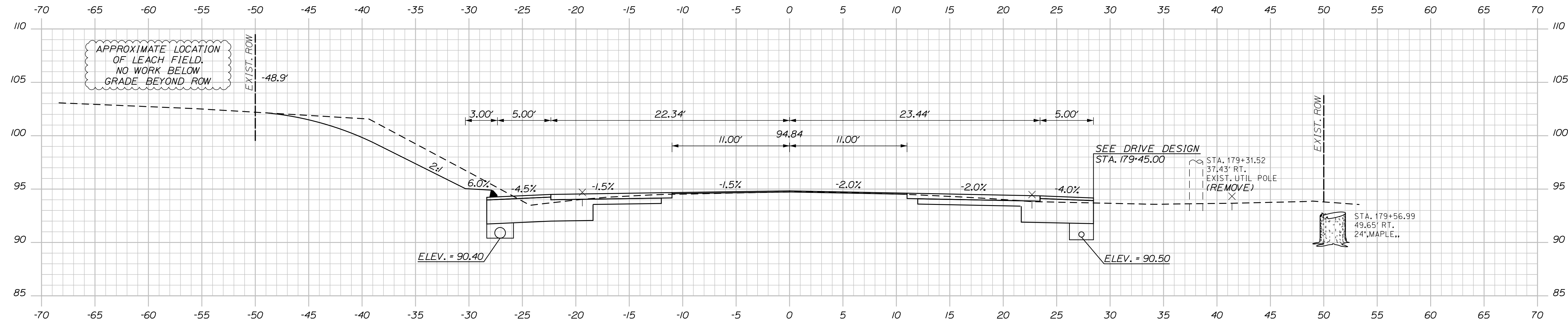
Date: 4/7/2022

Username: Mike.Cundiff

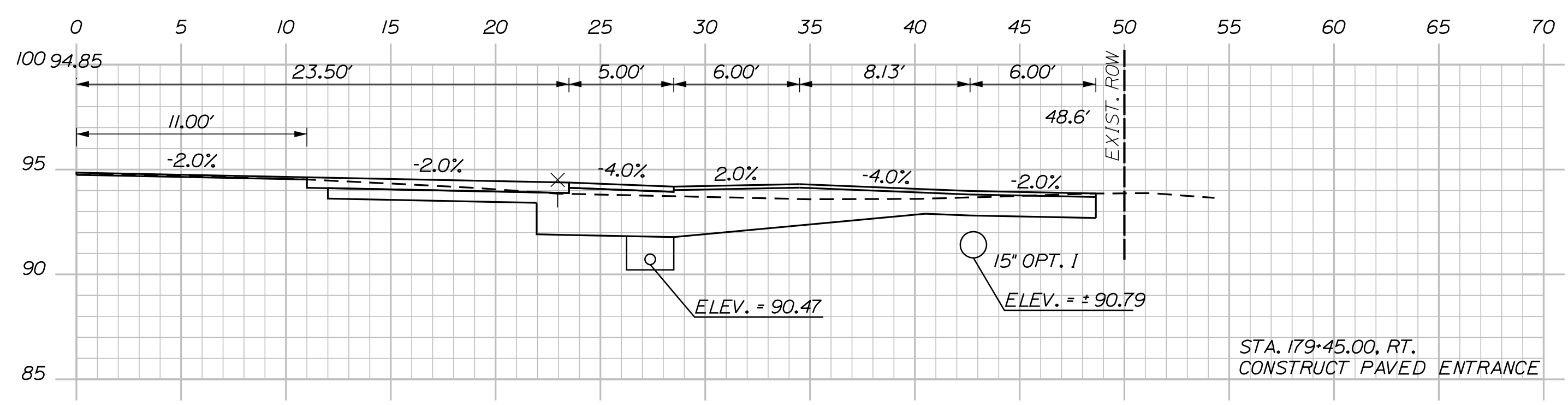
Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

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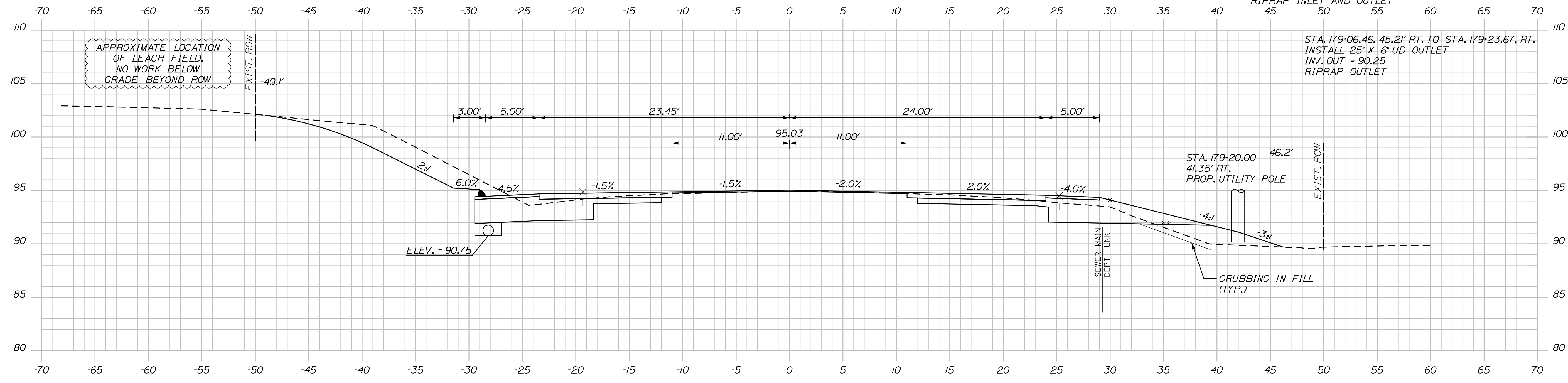


179+50.00



179+45.00

(RESIDENTIAL ENTRANCE)



179+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
A. CORNEAU II	M. CUNDIFF	04/22			
J. WINDENBACH	D. ETINGER	04/22			
DESIGN DETAILED	DESIGN DETAILED				
DESIGN REVIEWED	DESIGN REVIEWED				
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
37
OF 55

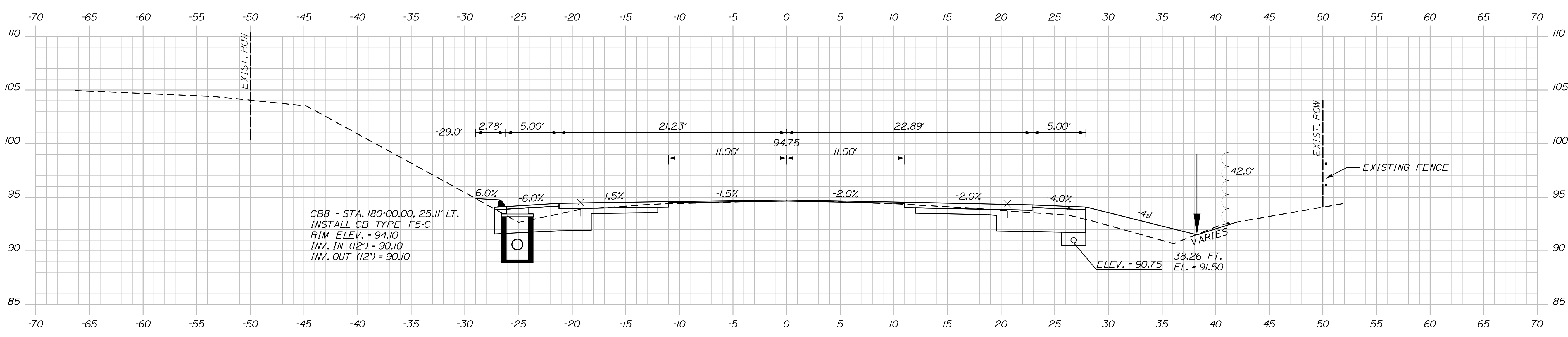
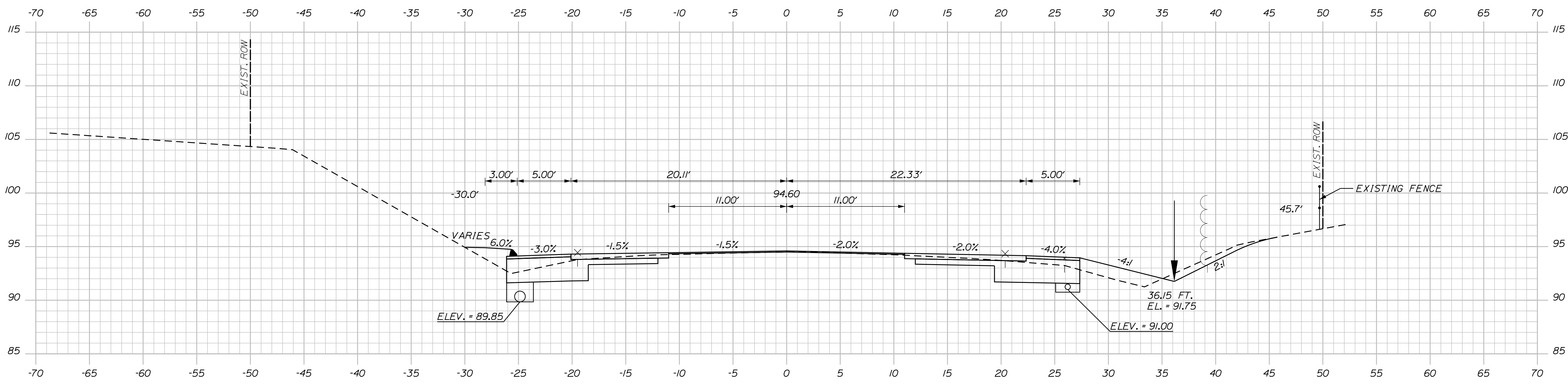
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Y - CAD\00\Highway\Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	DATE	BY	DATE
A. CORNEAU II	04/22	M. CUNDIFF	04/22
DESIGN-DETAILED		J. WACHENBACH	
CHECKED-REVIEWED		D. ETINGER	
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
38
OF 55

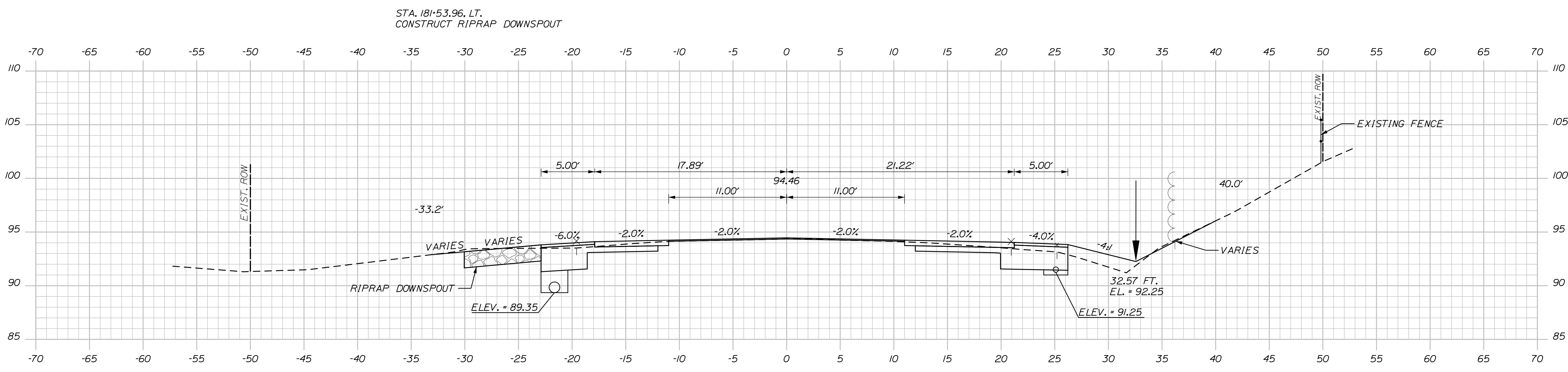
Date: 4/7/2022

Username: Mike.Cundiff

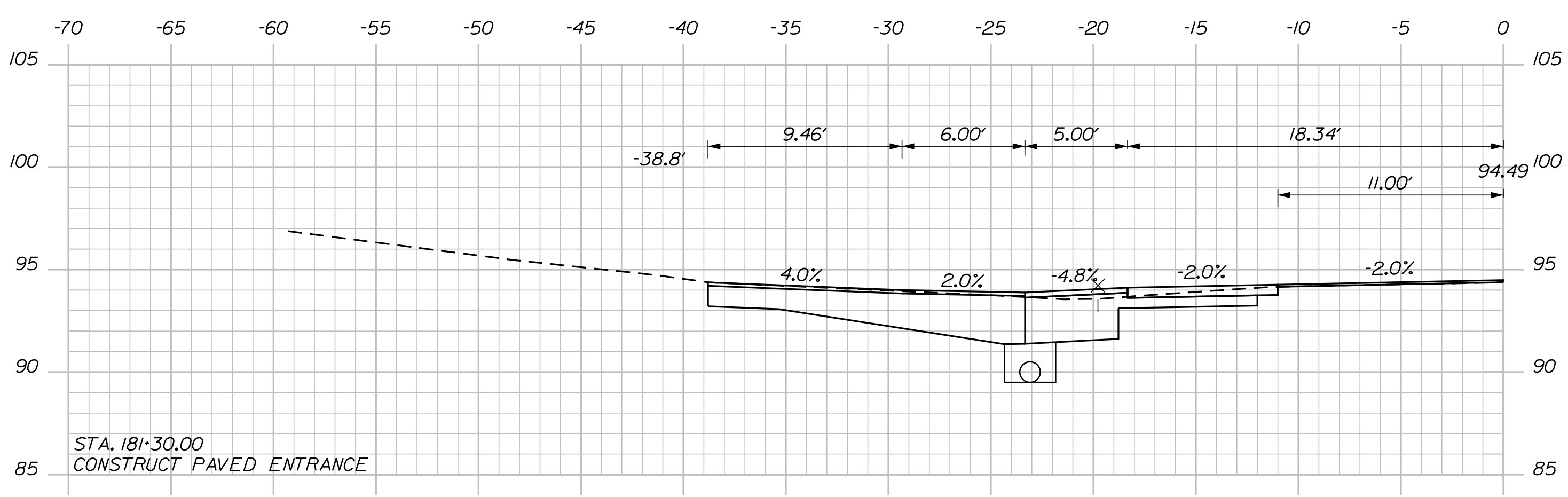
Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

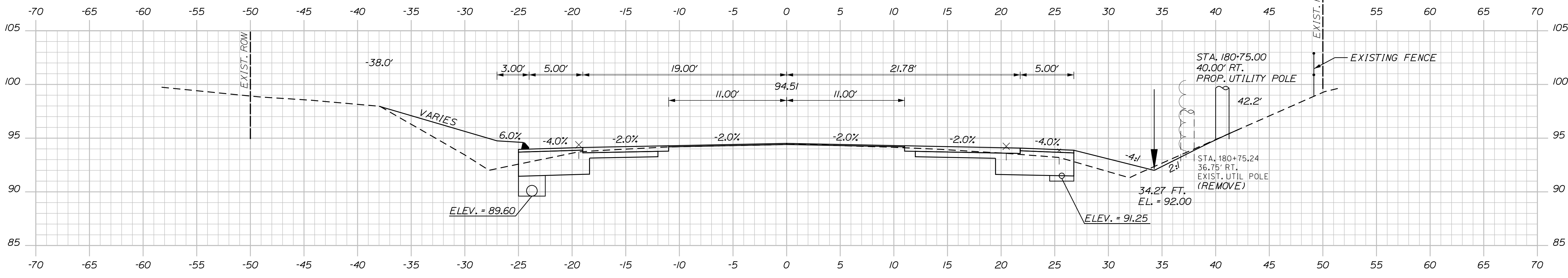
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181+50.00



181+30.00
(RESIDENTIAL ENTRANCE)



181+00.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2182900	
SIGNATURE		P.E. NUMBER	
DATE		DATE	
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF
CHECKED-REVIEWED	J. WINDENBACH	DATE	04/22
DESIGN-REVIEWED	D. ETINGER	DATE	04/22
DESIGN-REVIEWED		DATE	
REVISIONS 1		DATE	
REVISIONS 2		DATE	
REVISIONS 3		DATE	
REVISIONS 4		DATE	
FIELD CHANGES			
SOUTH BERWICK ROUTE 236 & ROUTE 91 ROUTE 236 CROSS SECTIONS			
SHEET NUMBER 39 OF 55			

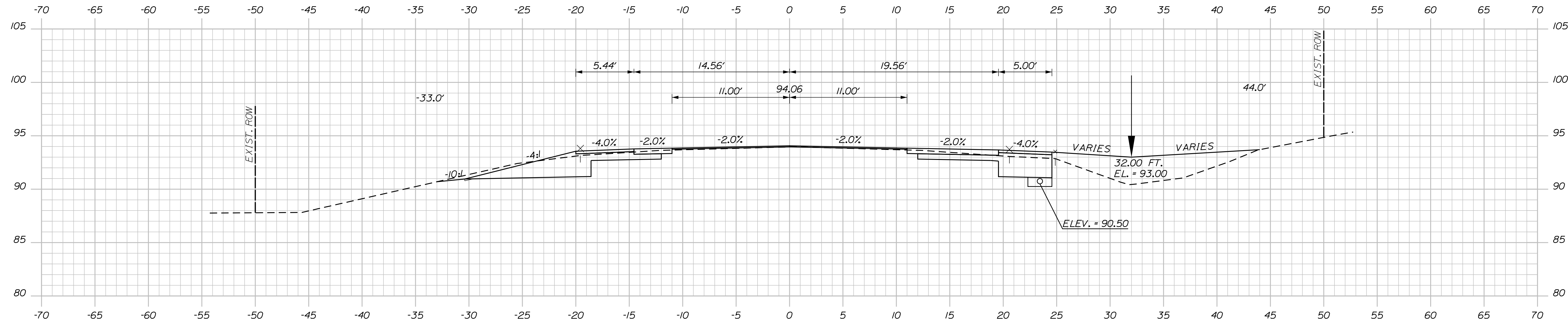
Date: 4/7/2022

Username: Mike.Cundiff

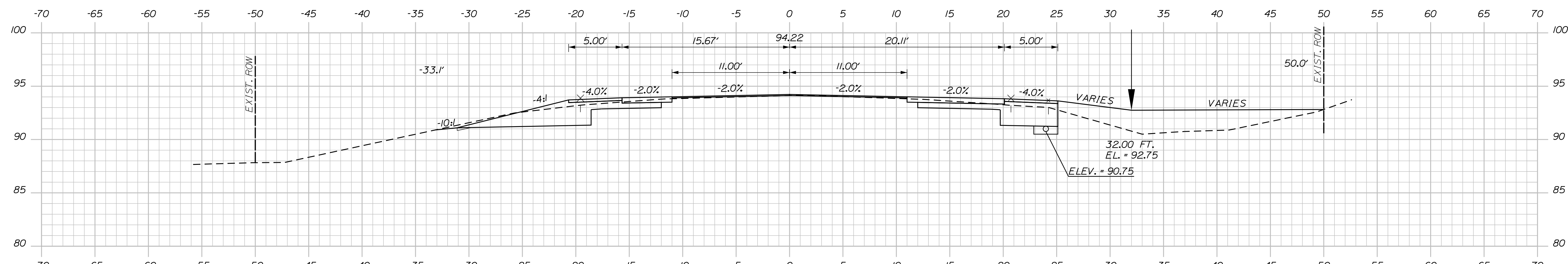
Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

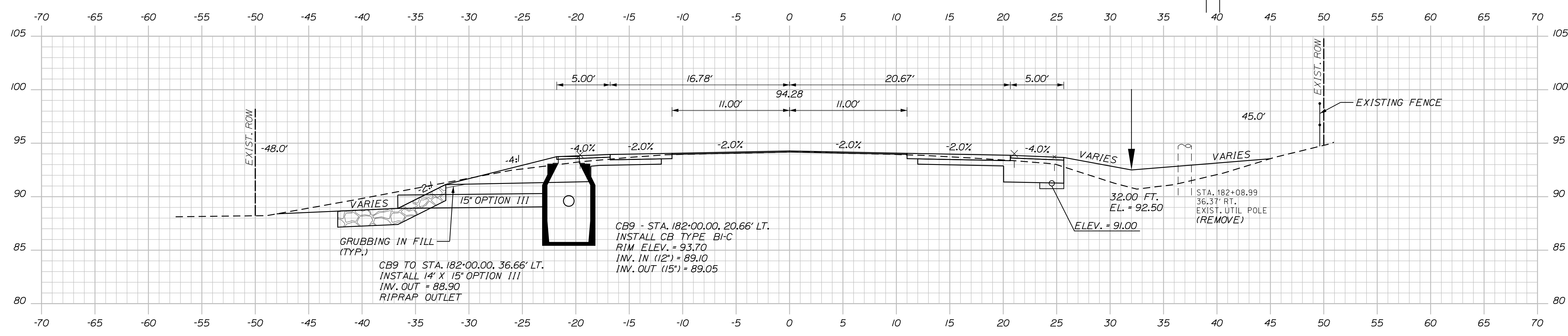
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183+00.00



182+50.00



182+00.00

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
2182900		WIN	
21829.00		21829.00	
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF
DESIGN-DETAILED	J. WINDENBACH	DATE	04/22
CHECKED-REVIEWED	D. ETINGER	DATE	04/22
DESIGN-DETAILED		SIGNATURE	
DESIGN-DETAILED		P.E. NUMBER	
REVISIONS 1		DATE	
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SOUTH BERWICK ROUTE 236 & ROUTE 91 ROUTE 236 CROSS SECTIONS			
SHEET NUMBER 40 OF 55			

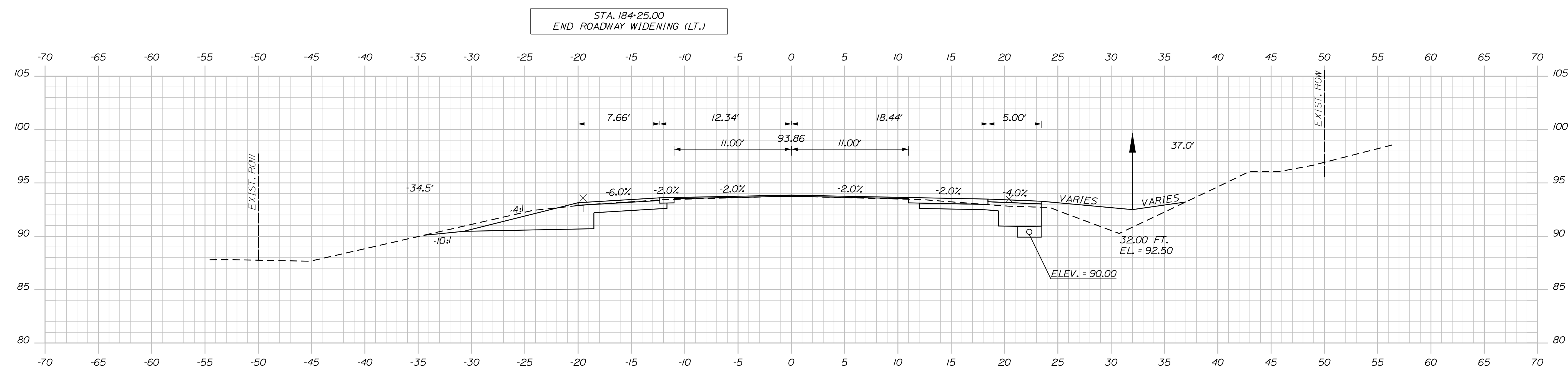
Date: 4/7/2022

Username: Mike.Cundiff

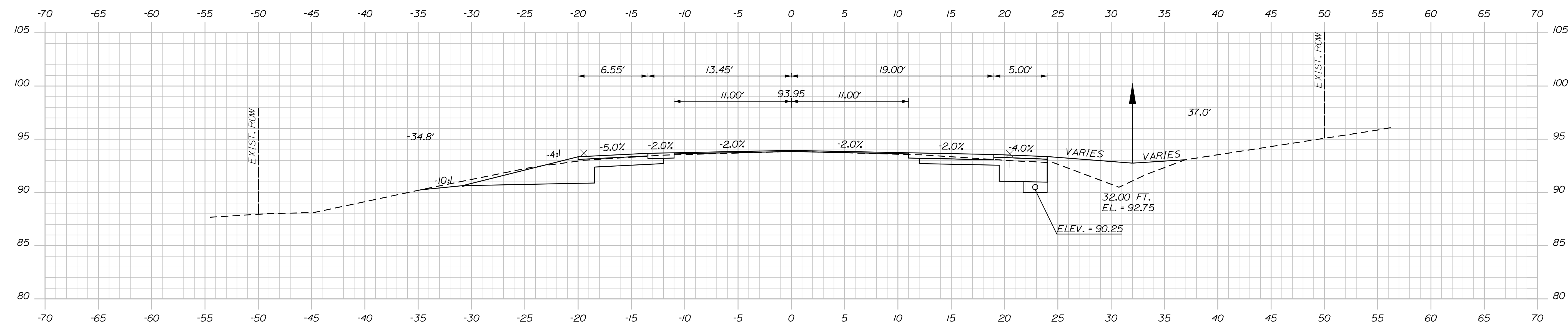
Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

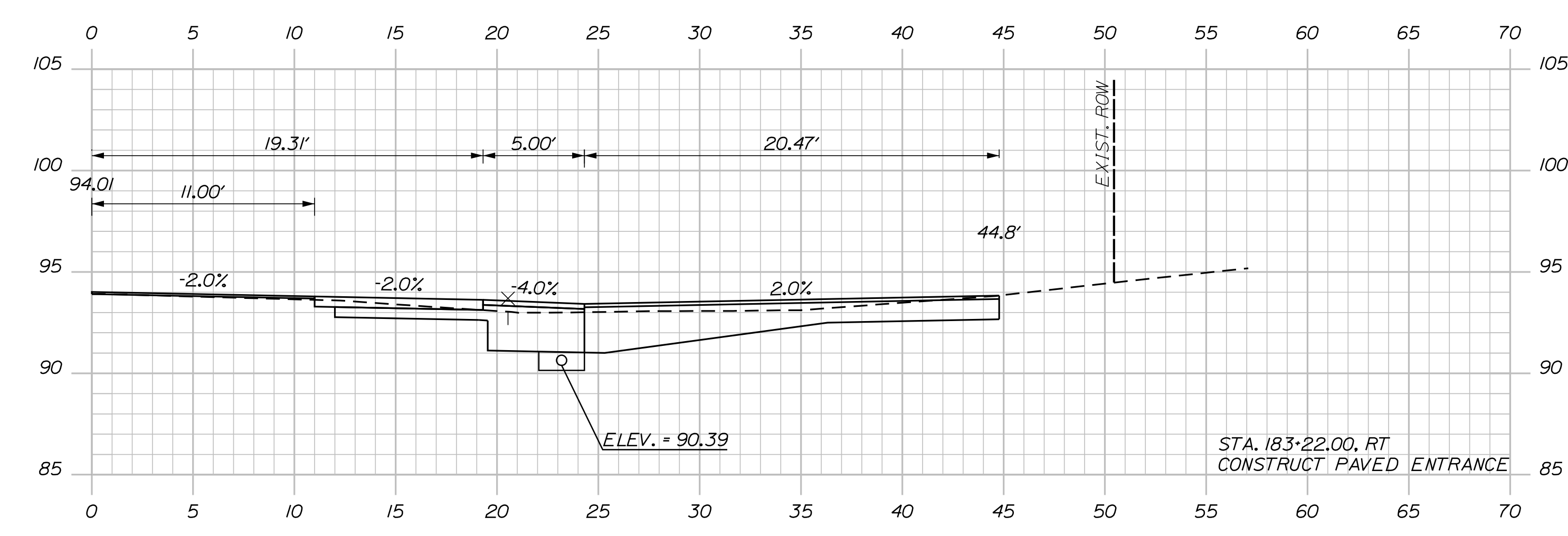
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184+00.00



183+50.00



183+22.00 (RESIDENTIAL ENTRANCE)

STA. 183+22.00, RT CONSTRUCT PAVED ENTRANCE

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2182900		WIN		21829.00						
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF	DATE	04/22	SIGNATURE		P.E. NUMBER						
DESIGN-DETAILED	J. WINKENBACH	CHECKED-REVIEWED	D. ETINGER	DATE	04/22	SIGNATURE		P.E. NUMBER						
DESIGN-DETAILED		DESIGN-DETAILED		REVISIONS 1				REVISIONS 2						
				REVISIONS 3				REVISIONS 4						
				FIELD CHANGES										
SOUTH BERWICK ROUTE 236 & ROUTE 91					ROUTE 236 CROSS SECTIONS									
										SHEET NUMBER				
										41				
					OF 55									

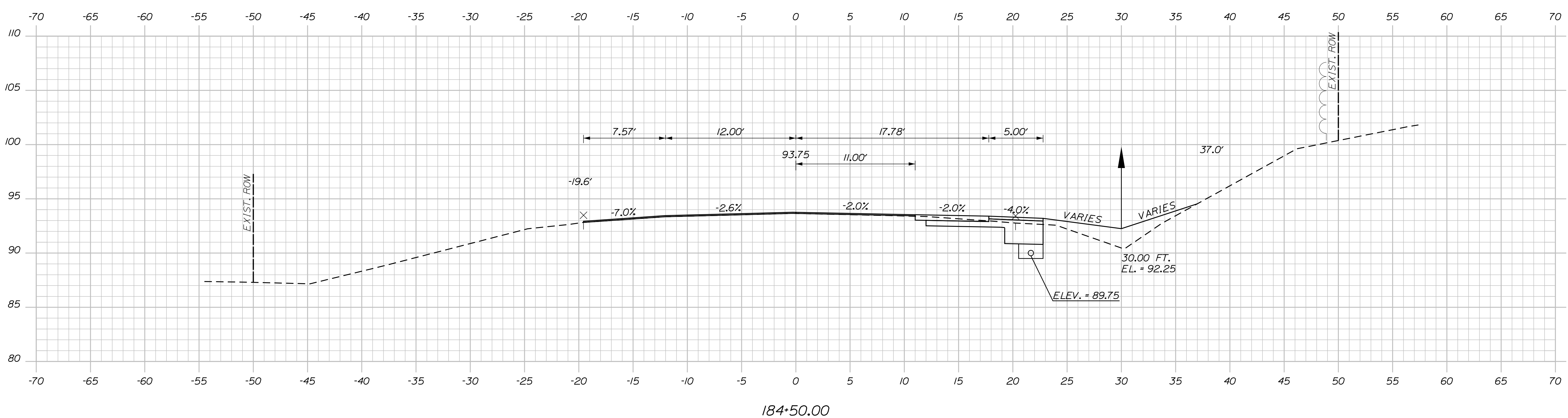
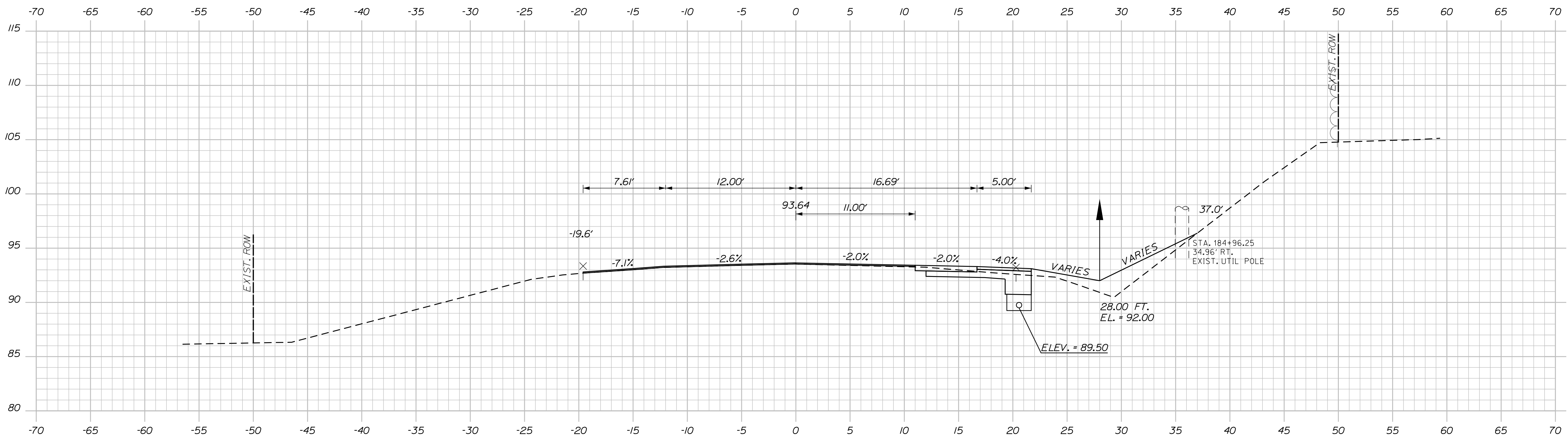
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	BY	DATE	SIGNATURE
A. CORNEAU II	M. CUNDIFF	04/22	
J. WINDENBACH	D. ETINGER	04/22	
CHECKED-REVIEWED			
DESIGNS DETAILED			
DESIGNS DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
42
OF 55

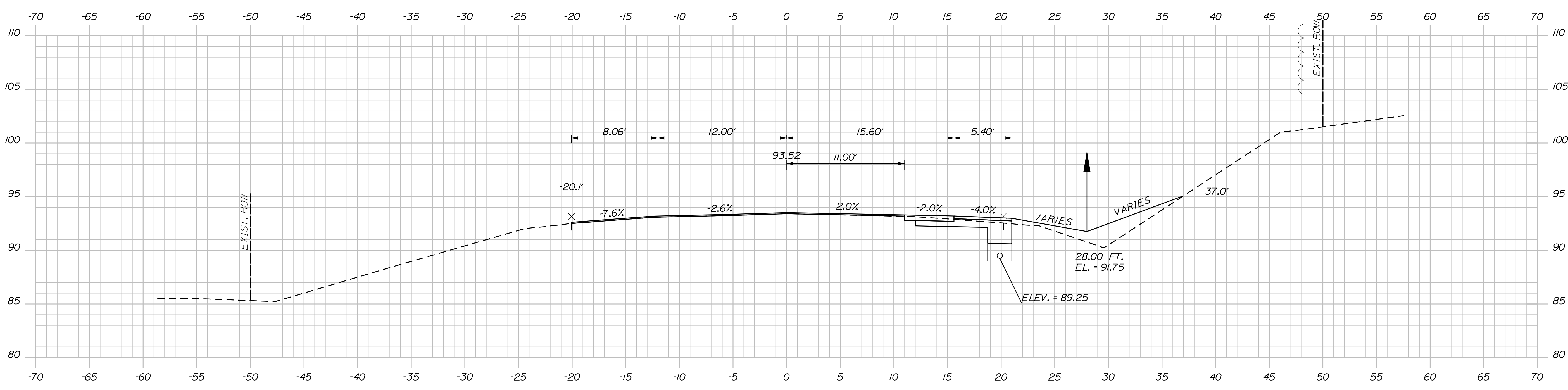
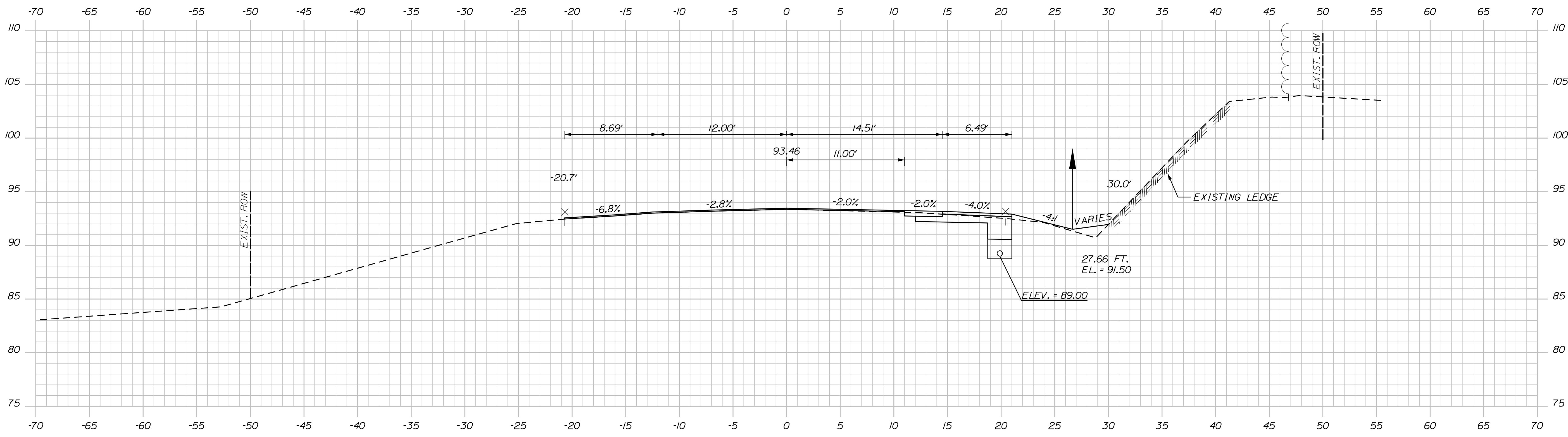
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	BY	DATE	SIGNATURE
A. CORNEAU II	M. CUNDIFF	04/22	
J. WINDENBACH	D. ETINGER	04/22	
DESIGN DETAILED			
CHECKED-REVIEWED			
DESIGN DETAILED			
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
43
OF 55

Date: 4/7/2022

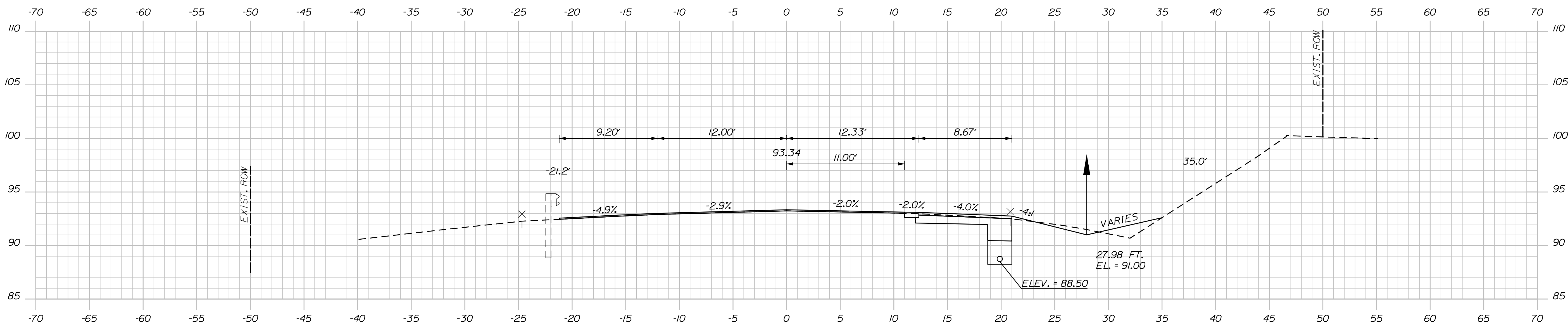
Username: Mike.Cundiff

Division: HIGHWAY

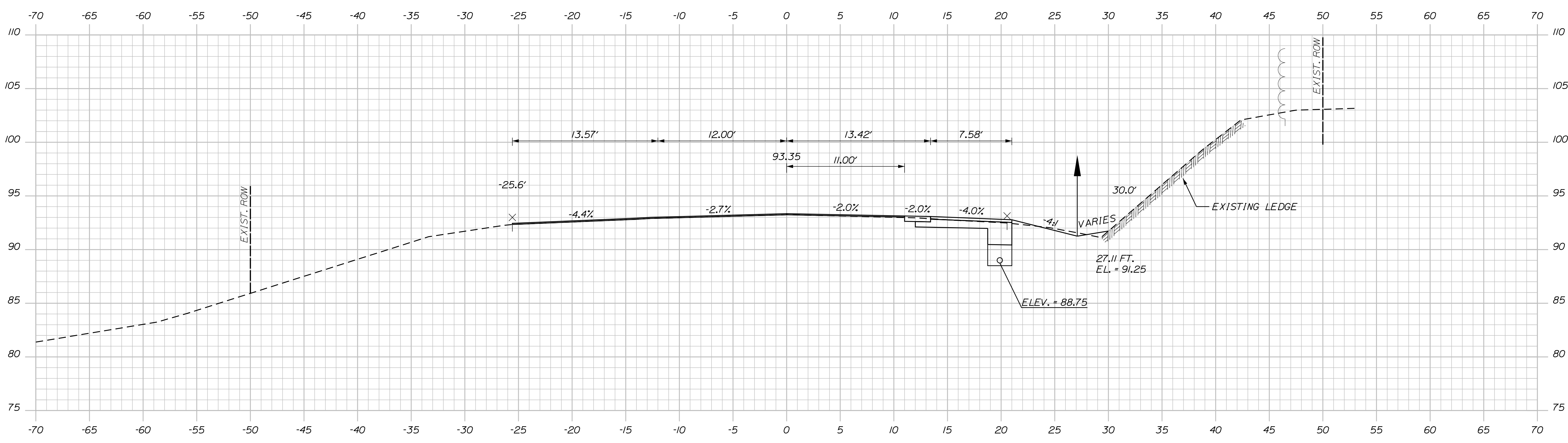
Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn

STA. 187+15.00
 END PROJECT 2182900
 END VARIABLE DEPTH MILL/SHIM AND 1/2" PAVEMENT OVERLAY
 END ROADWAY WIDENING (RT.)



187+00.00



186+50.00

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 2182900
 WIN
 21829.00

PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF	DATE	04/22
DESIGN-DETAILED	J. WINDENBACH	CHECKED-REVIEWED	D. ETINGER	DATE	04/22
DESIGN-DETAILED		DESIGN-DETAILED		SIGNATURE	
REVISIONS 1		REVISIONS 1		P.E. NUMBER	
REVISIONS 2		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES					

SOUTH BERWICK
 ROUTE 236 & ROUTE 91
 ROUTE 236 CROSS SECTIONS

SHEET NUMBER
 44
 OF 55

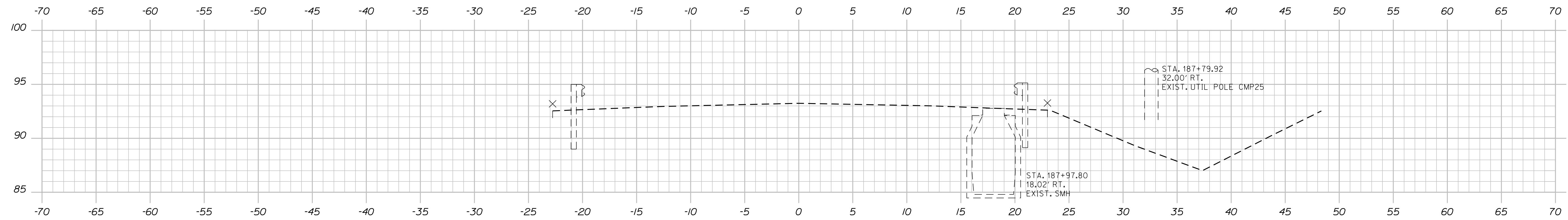
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn

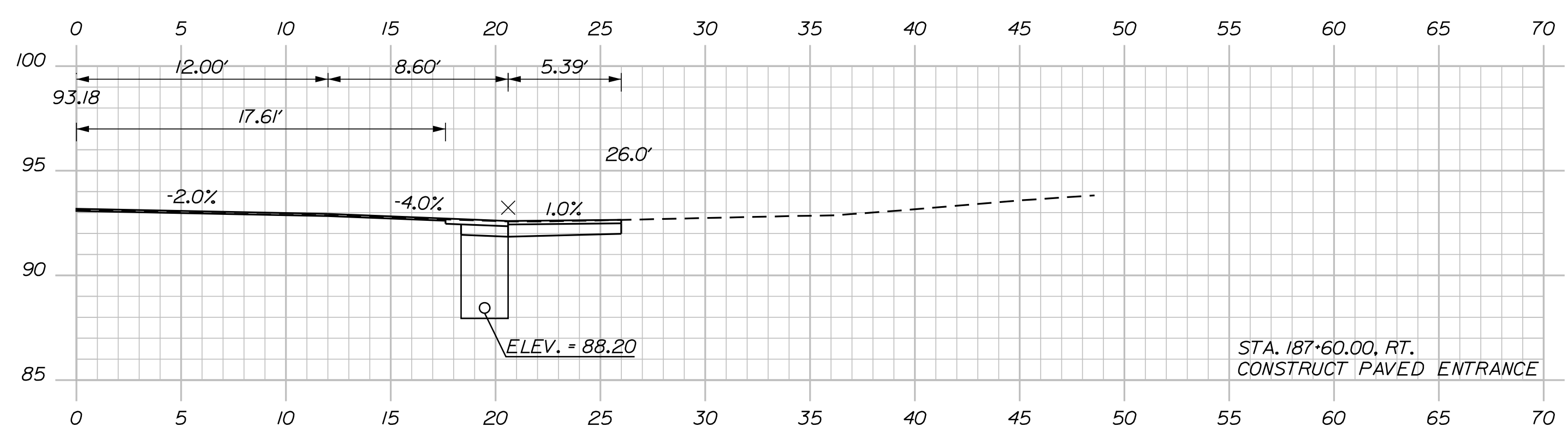


188+00.00

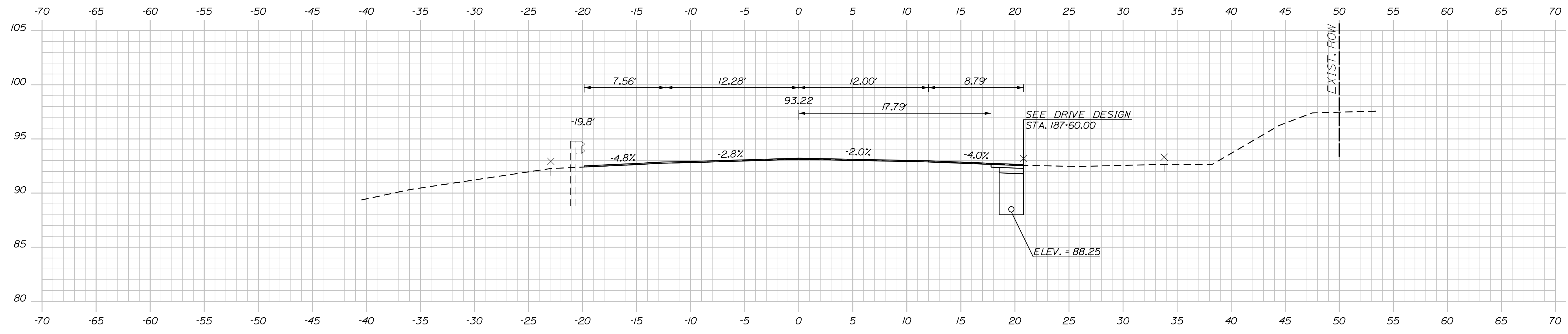
STA. 187+95.96
LIMIT OF WORK

STA. 187+75.00
MATCH EXISTING PAVEMENT WITH BUTT JOINT

STA. 187+74.96 TO STA. 187+92.75, 35.62' RT.
INSTALL 25' X 6' UD OUTLET
INV. OUT = 88.00
RIPRAP OUTLET



187+60.00
(RESIDENTIAL ENTRANCE)



187+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21825.00

PROJ. MANAGER	DATE	BY	DATE
A. CORNEAU II	04/22	M. CUNDIFF	04/22
DESIGN DETAILED		J. WINDENBACH	
CHECKED/REVIEWED		D. ETINGER	
DESIGN DETAILED			
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SOUTH BERWICK
ROUTE 236 & ROUTE 91
ROUTE 236 CROSS SECTIONS

SHEET NUMBER
45
OF 55

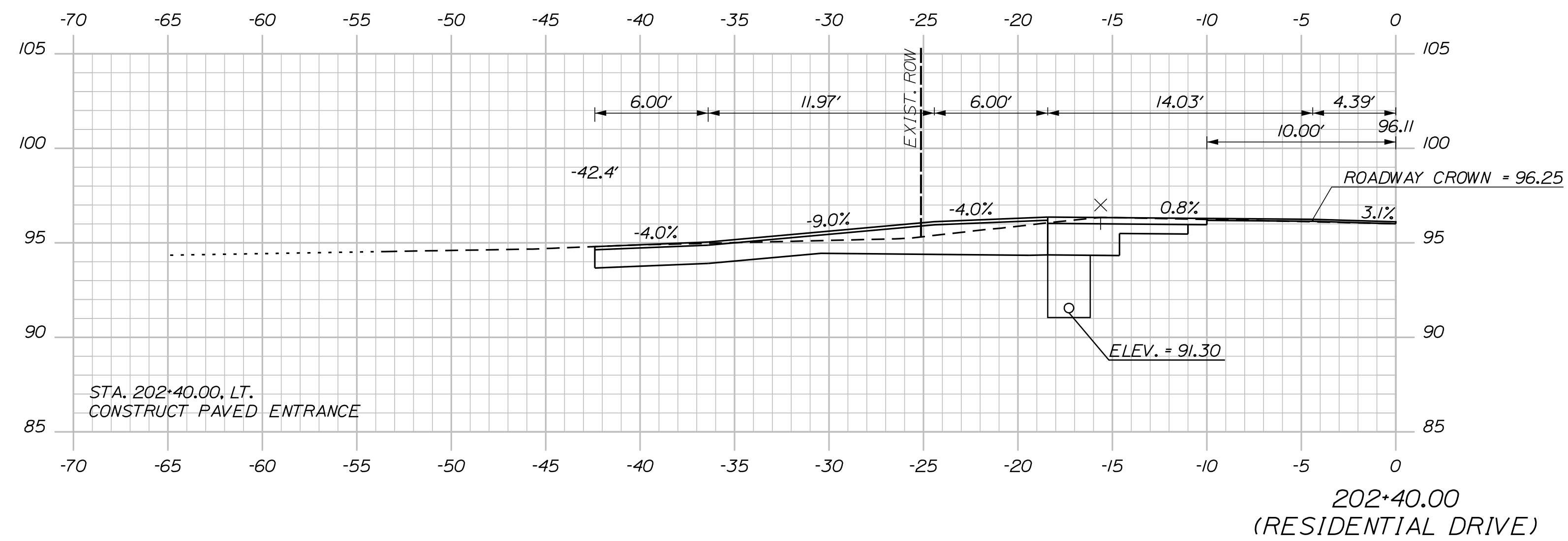
Date: 4/7/2022

Username: Mike.Cundiff

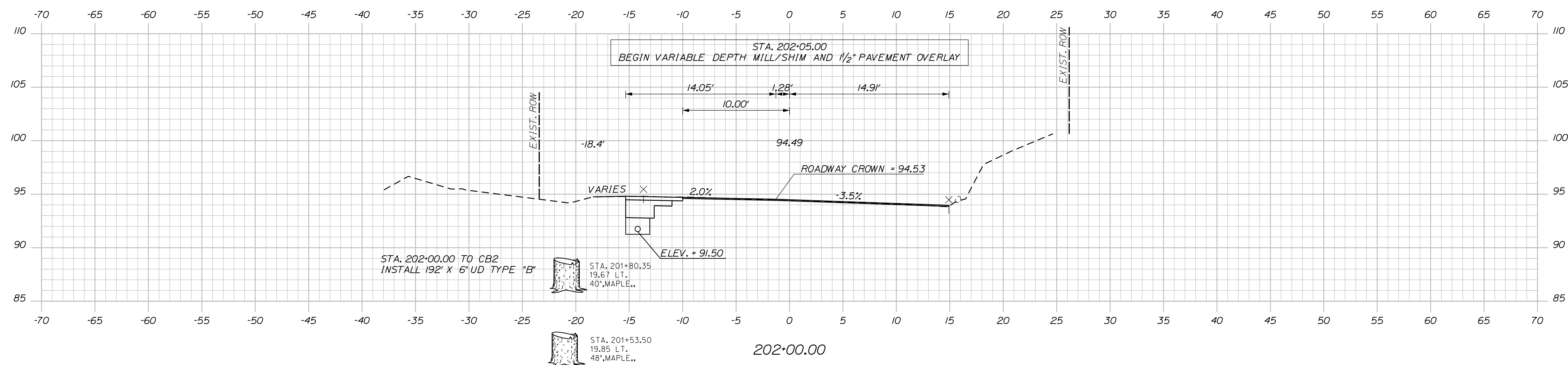
Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

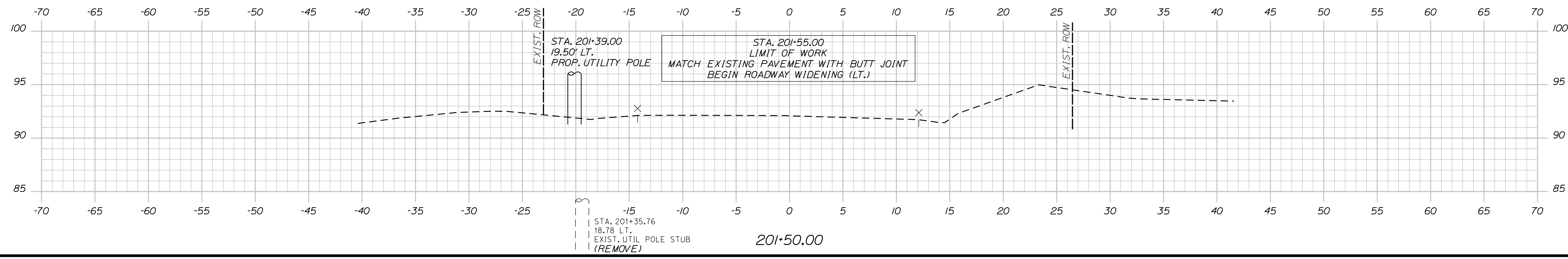
U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn



202+40.00
(RESIDENTIAL DRIVE)



202+00.00



201+50.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2182900	
SIGNATURE		P.E. NUMBER	
DATE		DATE	
PROJ. MANAGER A. CORNEAU II	BY M. CUNDIFF	DATE 04/22	DATE 04/22
DESIGN/DETAILED J. WINDENBACH	CHECKED/REVIEWED D. ETINGER	DESIGNS/DETAILED -	REVISIONS -
REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4
FIELD CHANGES			
SOUTH BERWICK ROUTE 236 & ROUTE 91 SIDE ROAD CROSS SECTIONS			
SHEET NUMBER 46 OF 55			

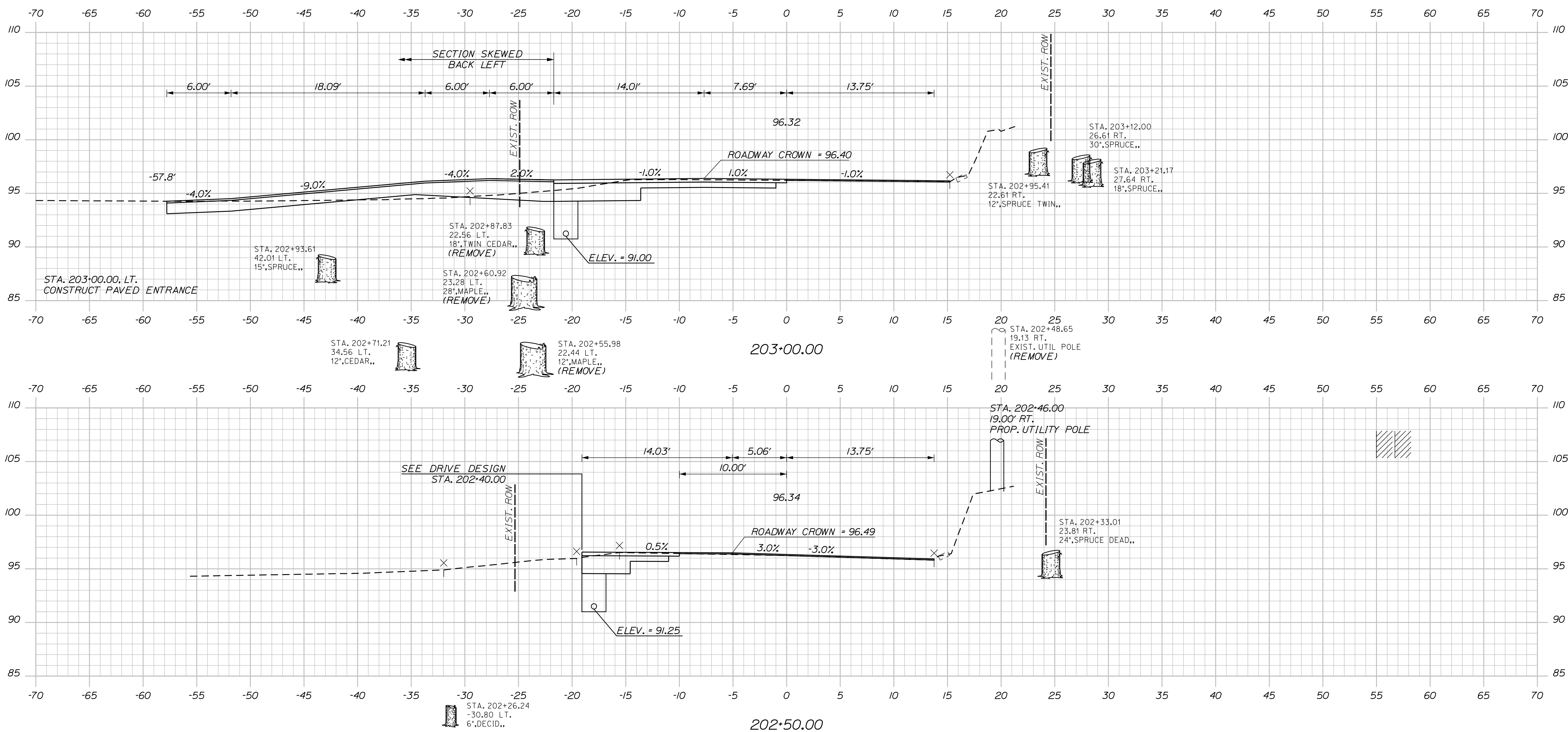
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21829.00

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
A. CORNEAU II	M. CUNDIFF	04/22			
J. WINDENBACH	D. ETINGER	04/22			
DESIGN DETAILED					
CHECKED-REVIEWED					
DESIGN DETAILED					
DESIGN DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SOUTH BERWICK
ROUTE 236 & ROUTE 91
SIDE ROAD CROSS SECTIONS

SHEET NUMBER
47
OF 55

Sta. 202+50.00 to Sta. 203+00.00

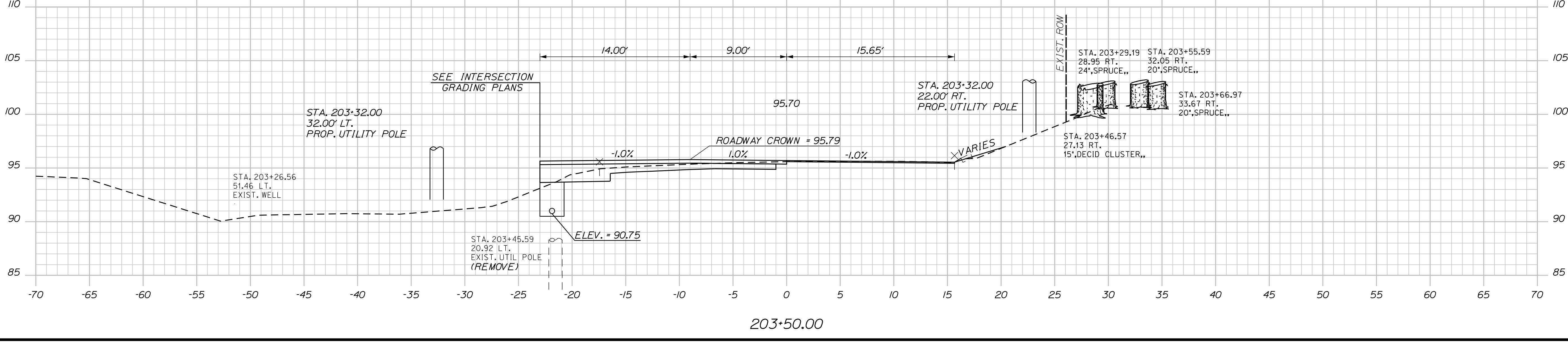
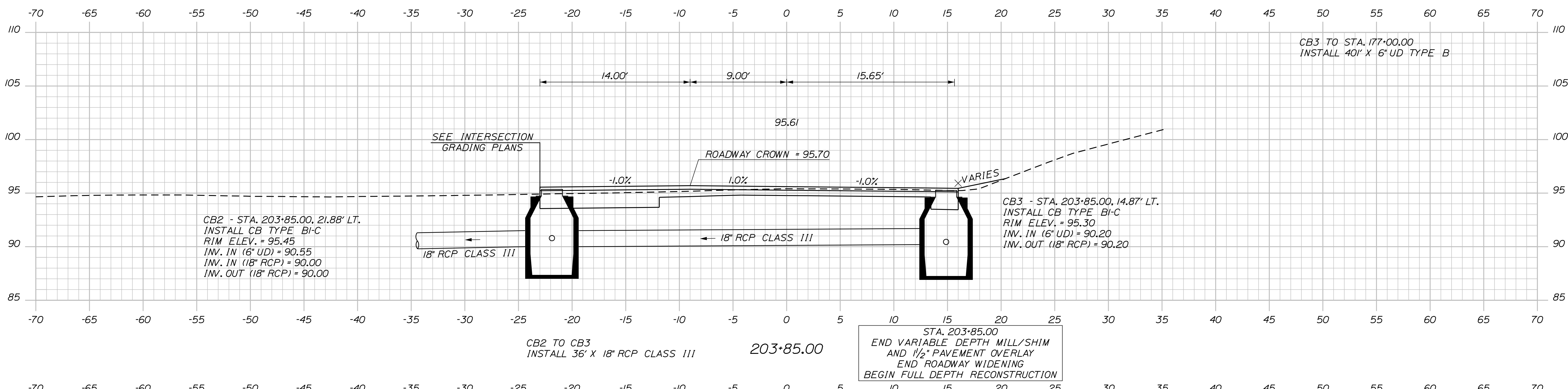
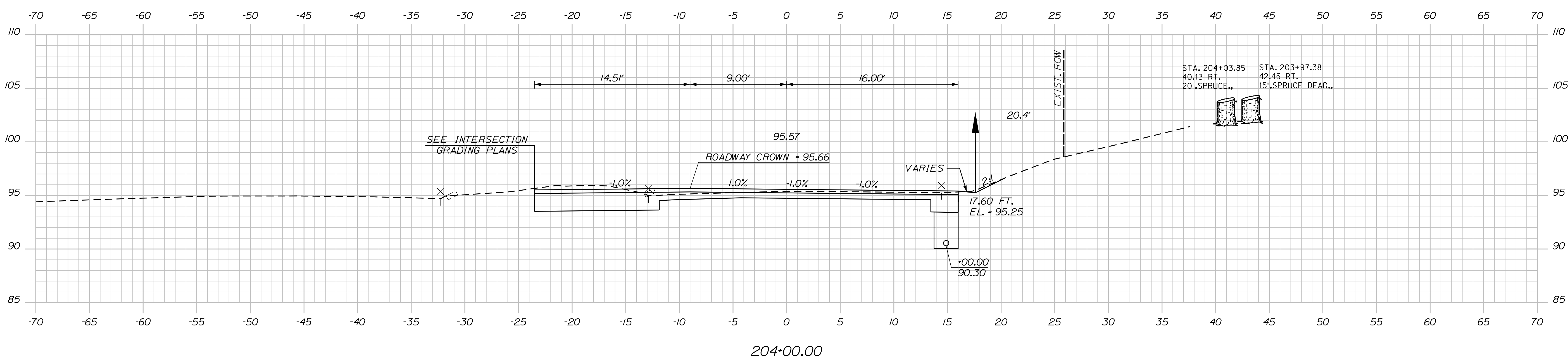
Date: 5/5/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn

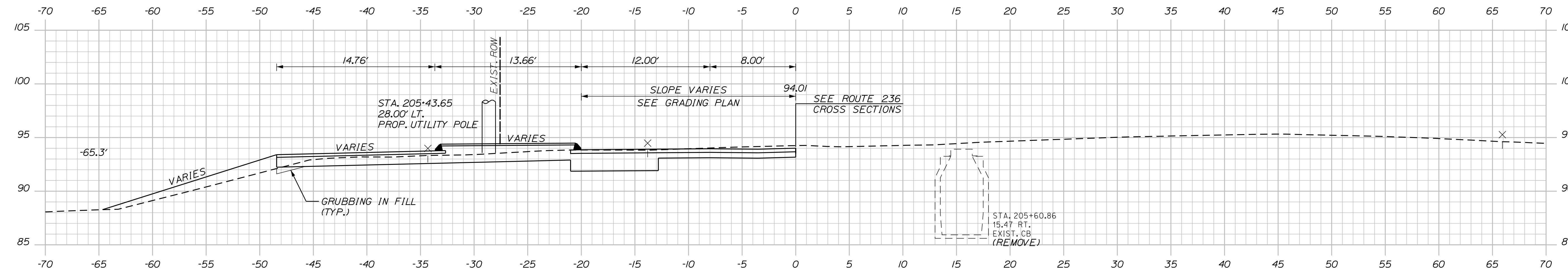


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2182900		WIN	
SOUTH BERWICK ROUTE 236 & ROUTE 91		SIDE ROAD CROSS SECTIONS		SHEET NUMBER	
48		OF 55		DATE	
PROJ. MANAGER	A. CORNEAU II	BY	M. CUNDIFF	DATE	05/22
DESIGN-DETAILED	J. WACHENBACH	CHECKED-REVIEWED	D. ETINGER	DATE	05/22
DESIGNS-DETAILED		DESIGNS-DETAILED		SIGNATURE	
REVISIONS 1		REVISIONS 1		P.E. NUMBER	
REVISIONS 2		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES					

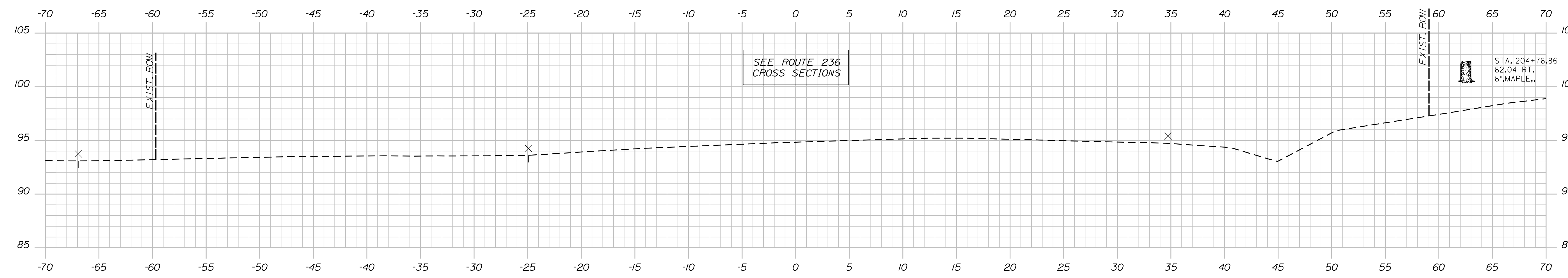
STA. 205+69.00, LT.
 CONSTRUCT PAVED ENTRANCE
 (COMMERCIAL DRIVE)
 (SEE PARKING LOT GRADING PLAN)

STA. 205+71.32
 -18.20 LT.
 EXIST. UTIL. POLE
 (REMOVE)

STA. 205+54.75
 BEGIN FULL DEPTH RECONSTRUCTION

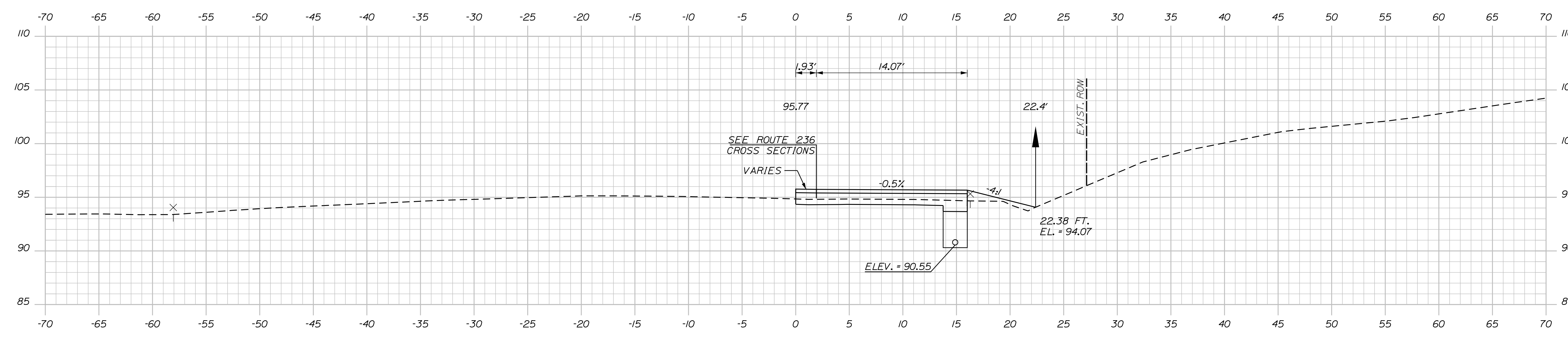


205+50.00



205+00.00

STA. 174+00.00 ROUTE 236 =
 STA. 205+00.00 ROUTE 91 & OLD SOUTH ROAD



204+50.00

Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 2182900
 WIN
 21825.00

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
A. CORNEAU II	04/22	M. CUNDIFF	04/22			
J. WINDENBACH		D. ETINGER				
CHECKED-REVIEWED						
DESIGNS DETAILED						
DESIGNS DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

SOUTH BERWICK
 ROUTE 236 & ROUTE 91
 SIDE ROAD CROSS SECTIONS

SHEET NUMBER
 49
 OF 55

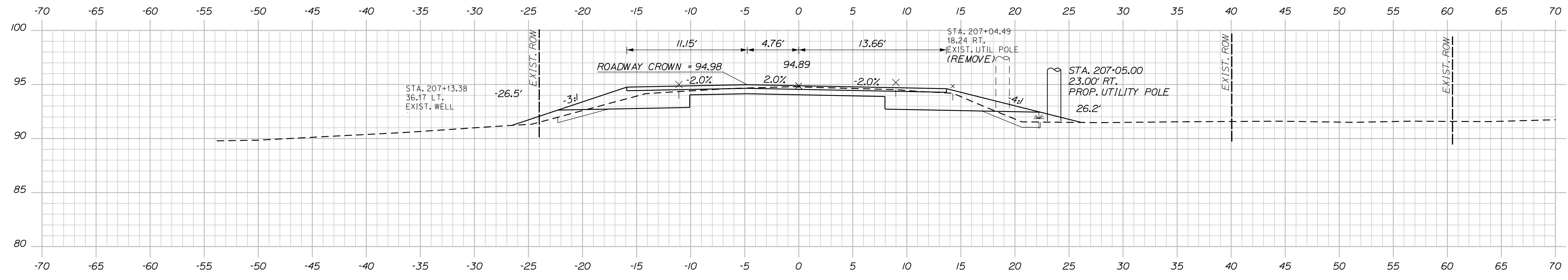
Date: 4/7/2022

Username: Mike.Cundiff

Division: HIGHWAY

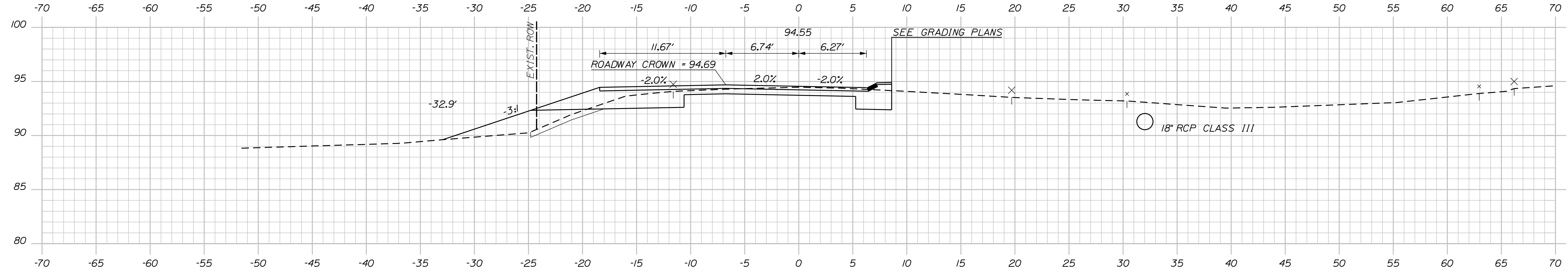
Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3394-South Berwick\Z - CAD\00\Highway\Xsect.dgn

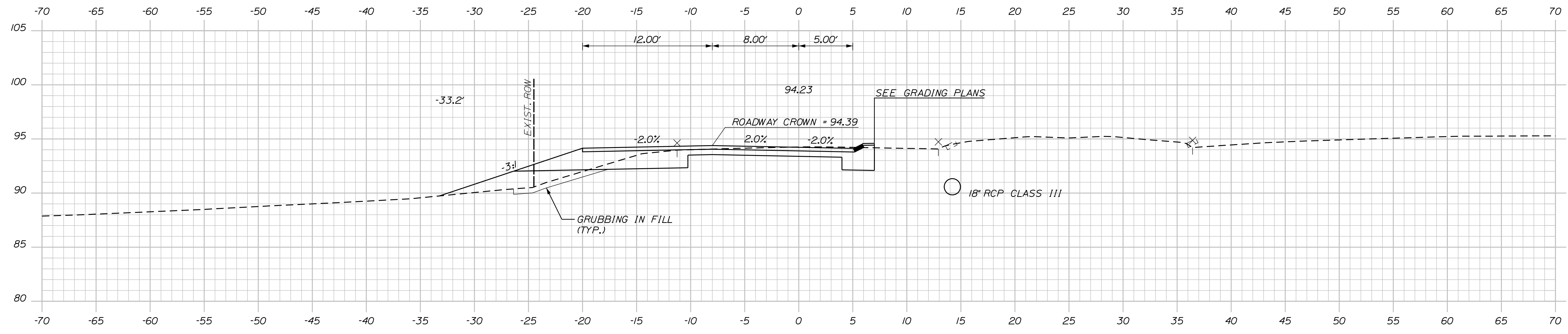


207+00.00

STA. 206+80, RT.
CONSTRUCT RIPRAP DOWNSPOUT



206+50.00



206+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21825.00

DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
J. WINDENBACH	M. CUNDIFF	D. ETINGER	-	-	-	-	-
DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE
04/22	M. CUNDIFF	04/22	-	-	-	-	-
SIGNATURE	P.E. NUMBER	DATE					

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
A. CORNEAU II	J. WINDENBACH	M. CUNDIFF	D. ETINGER	-	-	-	-	-
DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE	DATE
04/22	M. CUNDIFF	04/22	-	-	-	-	-	-
SIGNATURE	P.E. NUMBER	DATE						

SOUTH BERWICK
ROUTE 236 & ROUTE 91
SIDE ROAD CROSS SECTIONS

SHEET NUMBER
50
OF 55

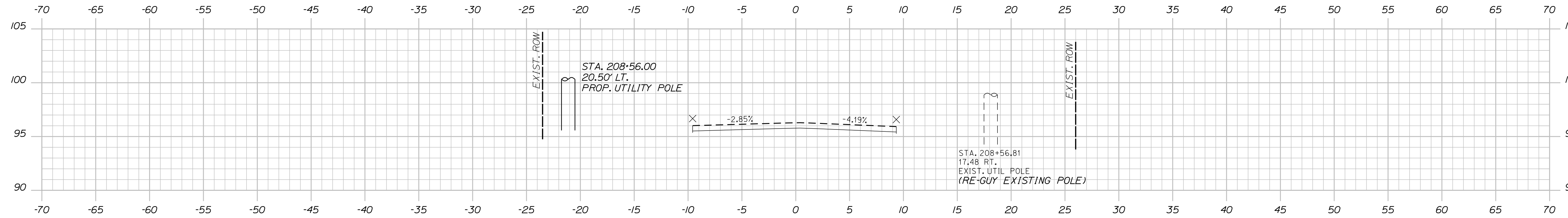
Date: 4/7/2022

Username: Mike.Cundiff

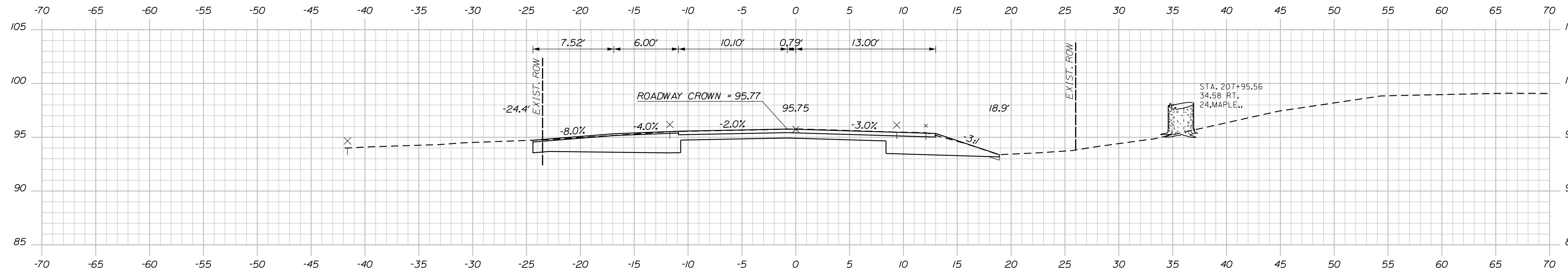
Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

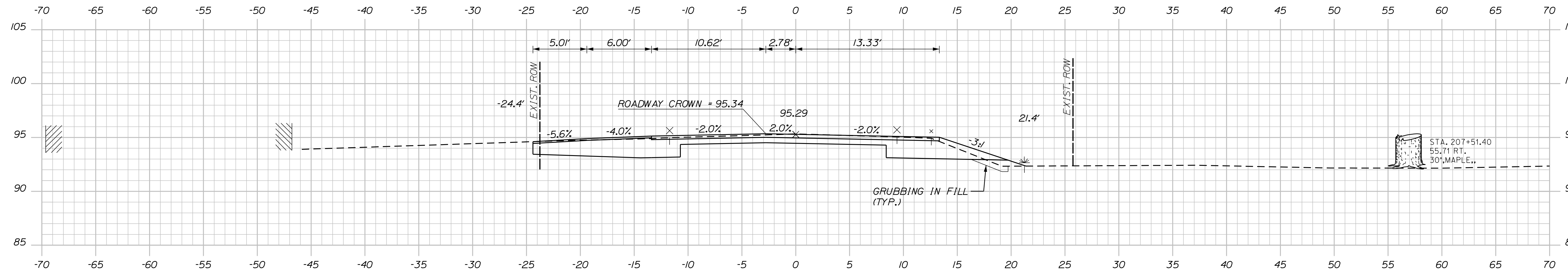
U:\3394-South Berwick.Z - CAD\00\Highway\Xsect.dgn



STA. 208+20.00
LIMIT OF WORK
END FULL DEPTH RECONSTRUCTION
MATCH EXISTING PAVEMENT



STA. 207+66.00, LT.
CONSTRUCT PAVED ENTRANCE



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2182900
WIN
21825.00

DESIGN DETAILED	A. CORNEAU II	DATE	04/22
CHECKED/REVIEWED	J. WINDENBACH M. CUNDIFF	BY	M. CUNDIFF
DESIGN DETAILED	D. ETINGER	SIGNATURE	
REVISIONS 1		P.E. NUMBER	
REVISIONS 2		DATE	
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PROJ. MANAGER	A. CORNEAU II
DESIGN DETAILED	J. WINDENBACH
CHECKED/REVIEWED	M. CUNDIFF
DESIGN DETAILED	D. ETINGER
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

SOUTH BERWICK
ROUTE 236 & ROUTE 91
SIDE ROAD CROSS SECTIONS

SHEET NUMBER
51
OF 55

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 CHAIN LINK _____
 Sign _____
 Clearing Limit Line _____
 Bush Line _____
 Rock/Boulder _____
 Barb Wire _____
 Well _____
 Deciduous _____
 Flag Pole _____
 Stockade _____
 Mailbox _____

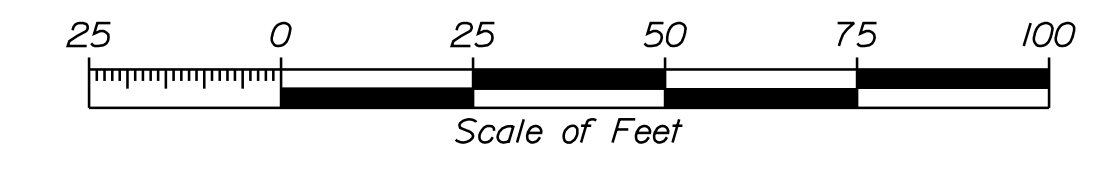
PLAN LEGEND

Sanitary Sewer	Existing	Proposed
Telephone Line	Existing	Proposed
Electric Line	Existing	Proposed
Water Line	Existing	Proposed
Underdrain Line	Existing	Proposed
Gas Line	Existing	Proposed
Guardrail	Existing	Proposed
Culvert	Existing	Proposed
Traveled Way	Existing	Proposed
Ditch	Existing	Proposed
Catch Basin	Existing	Proposed
Manhole	Existing	Proposed
Sewer Manhole	Existing	Proposed
Utility Pole	Existing	Proposed
Fire Hydrant	Existing	Proposed
Curbing	Existing	Proposed

Cut Line _____
 Stonewall _____
 Baseline _____
 Monument _____
 Iron Rod Found _____
 Replacement Pin Set _____
 Fill Line _____
 Retaining Wall _____
 Traverse Point _____
 Pipe Found _____

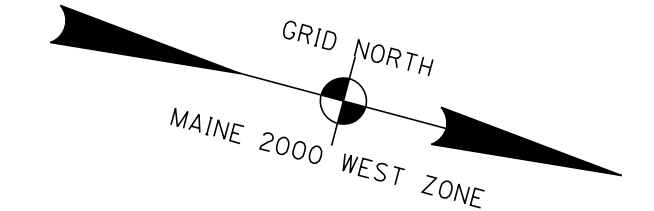
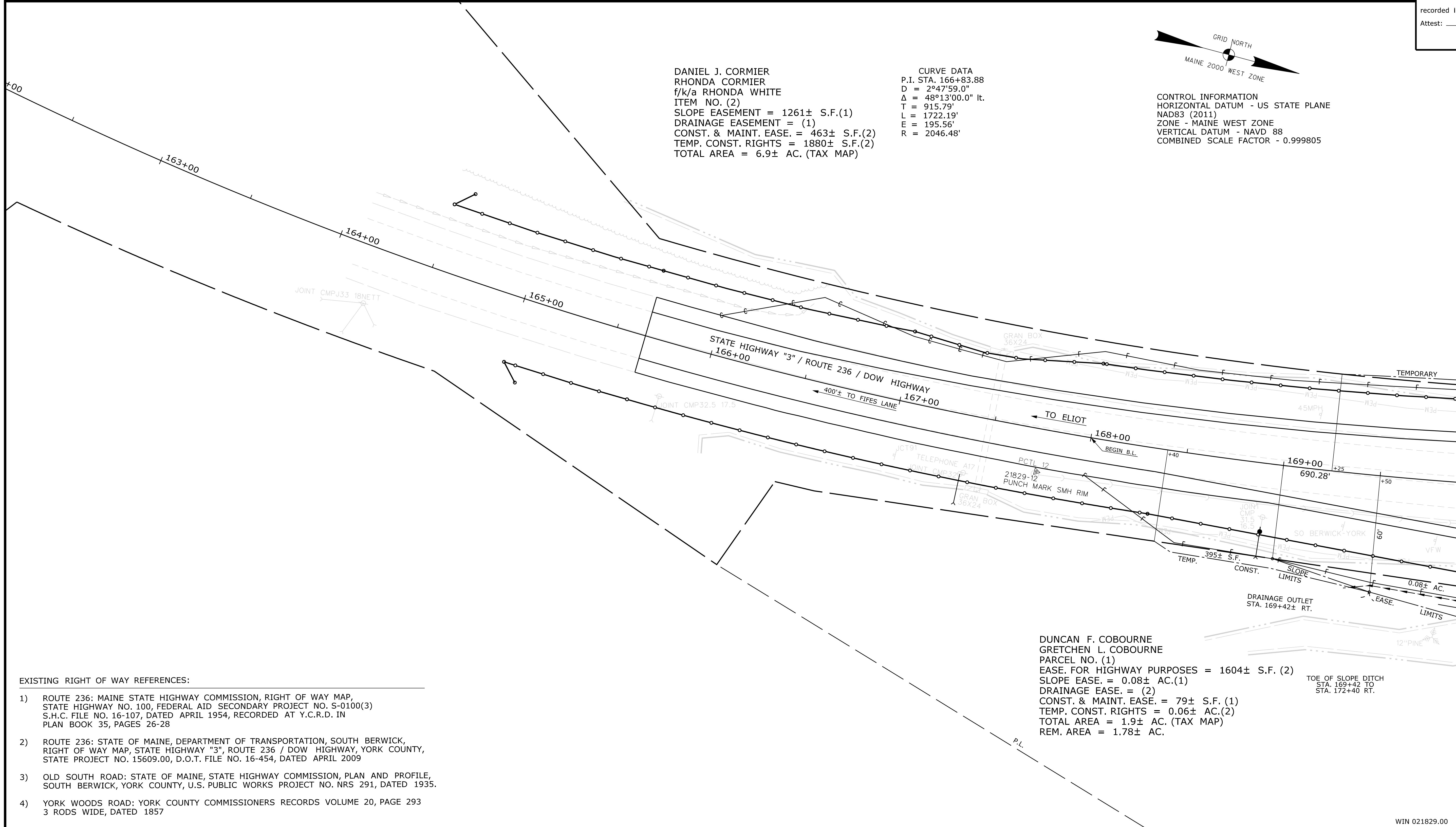
CURVE DATA
 P.I. STA. 166+83.88
 D = 2°47'59.0"
 Δ = 48°13'00.0" It.
 T = 915.79'
 L = 1722.19'
 E = 195.56'
 R = 2046.48'

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



CONTROL INFORMATION
 HORIZONTAL DATUM - US STATE PLANE
 NAD83 (2011)
 ZONE - MAINE WEST ZONE
 VERTICAL DATUM - NAVD 88
 COMBINED SCALE FACTOR - 0.999805

EXISTING RIGHT OF WAY REFERENCES:

- ROUTE 236: MAINE STATE HIGHWAY COMMISSION, RIGHT OF WAY MAP, STATE HIGHWAY NO. 100, FEDERAL AID SECONDARY PROJECT NO. S-0100(3) S.H.C. FILE NO. 16-107, DATED APRIL 1954, RECORDED AT Y.C.R.D. IN PLAN BOOK 35, PAGES 26-28
- ROUTE 236: STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, SOUTH BERWICK, RIGHT OF WAY MAP, STATE HIGHWAY "3", ROUTE 236 / DOW HIGHWAY, YORK COUNTY, STATE PROJECT NO. 15609.00, D.O.T. FILE NO. 16-454, DATED APRIL 2009
- OLD SOUTH ROAD: STATE OF MAINE, STATE HIGHWAY COMMISSION, PLAN AND PROFILE, SOUTH BERWICK, YORK COUNTY, U.S. PUBLIC WORKS PROJECT NO. NRS 291, DATED 1935.
- YORK WOODS ROAD: YORK COUNTY COMMISSIONERS RECORDS VOLUME 20, PAGE 293 3 RODS WIDE, DATED 1857

ITEM	TECH	CHECKED	EXISTING CONDITION PLAN		FINAL RIGHT OF WAY	
			R.M.C.	C.W.K.	T.L.B.	J.H.
AREAS						

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

NO.	DATE	REVISIONS DESCRIPTION	BY	PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD				BRUCE A. VAN NOTE	
				NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	COND.	DATE		BOOK
							02/14/22		18952	778			COMMISSIONER JOYCE NOEL TAYLOR CHIEF ENGINEER
													DATE

STATE HIGHWAY "3"
 ROUTE 236 / DOW HIGHWAY
 SOUTH BERWICK YORK COUNTY
 FEDERAL AID PROJECT NO. 2182900

JANUARY 2021	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 16-537
SCALE 1" = 25'	SHEET 1 OF 4	

SHEET NUMBER
52
 OF 55

Date: 3/11/2022
 Username: Jude.Hogan
 Division: ROW
 Filename: ... \00\ROW\MSTA\052_RWPLAN1.dgn

WIN 021829.00

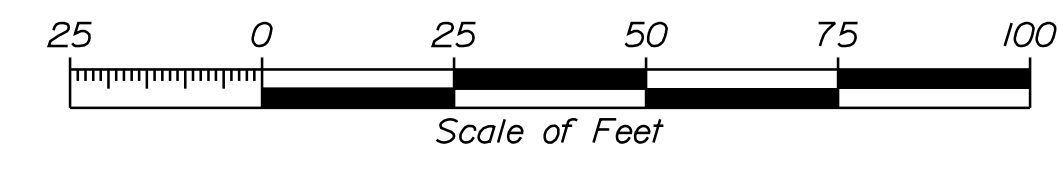
Town, County, State	_____
Approx. Property Lines	P.L.
Existing Right of Way	_____
Limits of Wrought Portion	L.O.W.P.
Control Of Access	C.O.A.
New Right of Way	_____
New Easement	_____
New Temporary Rights	_____
New R/W Within Existing R/W	_____

New R/W	Along Existing R/W	Clearing Limit Line	Sanitary Sewer	Existing	Proposed	Traveled Way	Existing	Proposed	Cut Line	Fill Line
Building	_____	_____	_____	_____	_____	Ditch	_____	_____	_____	_____
Trees	Conifer	Deciduous	_____	_____	_____	Catch Basin	_____	_____	_____	_____
Tree Line	_____	_____	_____	_____	_____	Manhole	_____	_____	_____	_____
Water Edge	_____	_____	_____	_____	_____	Sewer Manhole	_____	_____	_____	_____
Ledge	_____	Rock/Boulder	Flag Pole	_____	_____	Utility Pole	_____	_____	_____	_____
Fence	CHAIN LINK	BARB WIRE	STOCKADE	_____	_____	Fire Hydrant	_____	_____	_____	_____
Sign	_____	Well	Mallbox	_____	_____	Curbing	_____	_____	_____	_____

Existing	Proposed	Existing	Proposed
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

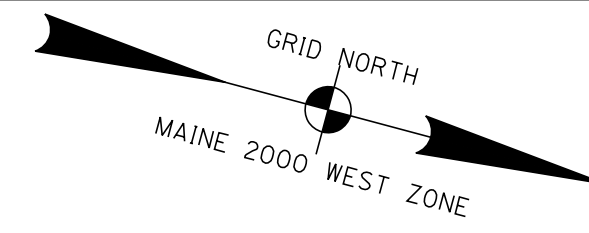
Stonewall	_____	Retaining Wall	_____
Baseline	10+00	_____	11+00
_____	_____	_____	12+00
Monument	_____	_____	_____
Iron Rod Found	IRF	_____	_____
Replacement Pin Set	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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.



STATE OF MAINE
REGISTRY OF DEEDS

COUNTY _____
RECEIVED _____
at _____ h _____ m _____ M and
recorded in Plan Bk _____, Pg. _____
Attest: _____ REGISTER

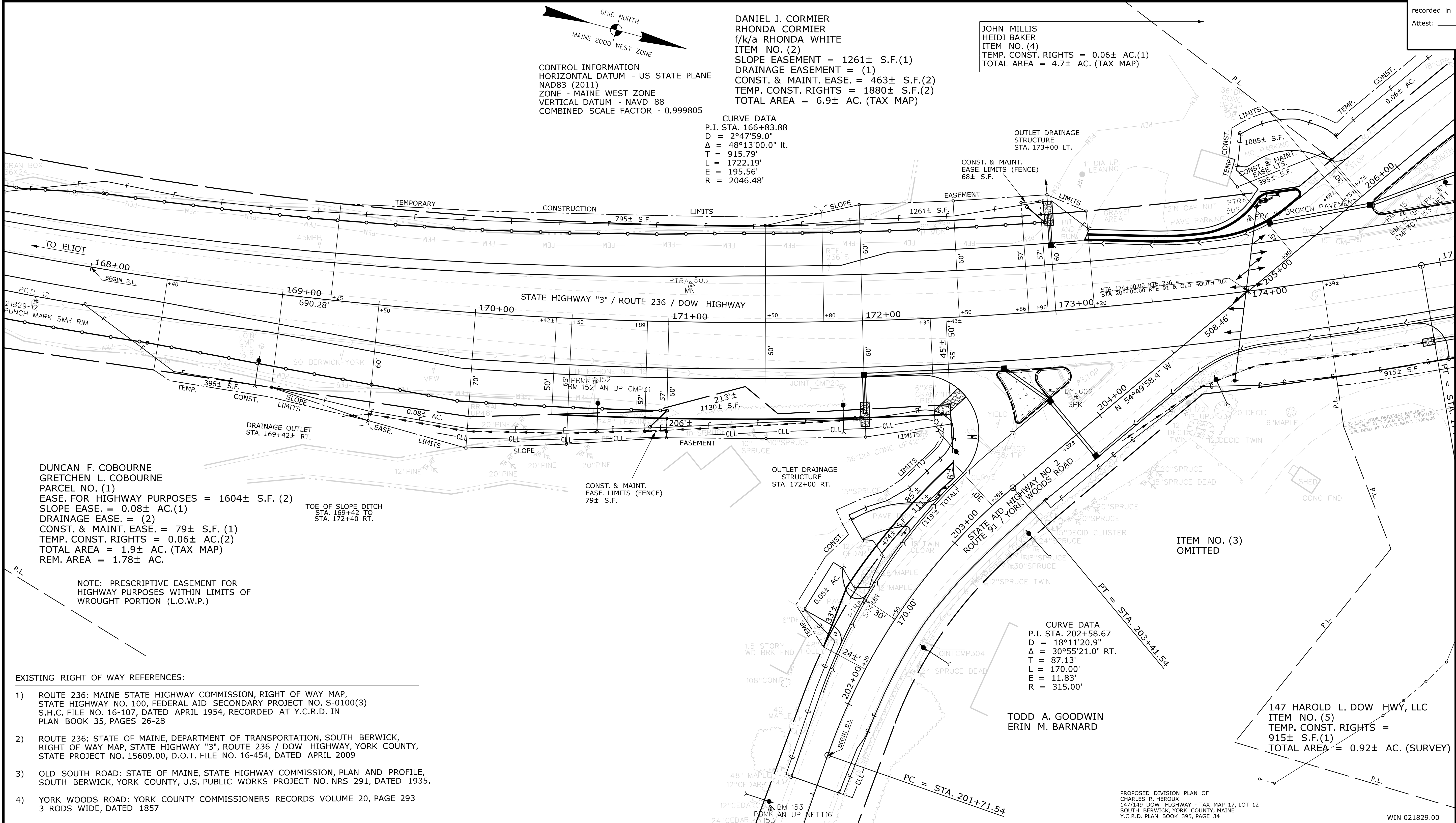


CONTROL INFORMATION
HORIZONTAL DATUM - US STATE PLANE
NAD83 (2011)
ZONE - MAINE WEST ZONE
VERTICAL DATUM - NAVD 88
COMBINED SCALE FACTOR - 0.999805

DANIEL J. CORMIER
RHONDA CORMIER
f/k/a RHONDA WHITE
ITEM NO. (2)
SLOPE EASEMENT = 1261± S.F.(1)
DRAINAGE EASEMENT = (1)
CONST. & MAINT. EASE. = 463± S.F.(2)
TEMP. CONST. RIGHTS = 1880± S.F.(2)
TOTAL AREA = 6.9± AC. (TAX MAP)

JOHN MILLIS
HEIDI BAKER
ITEM NO. (4)
TEMP. CONST. RIGHTS = 0.06± AC.(1)
TOTAL AREA = 4.7± AC. (TAX MAP)

CURVE DATA
P.I. STA. 166+83.88
D = 2°47'59.0"
Δ = 48°13'00.0" lt.
T = 915.79'
L = 1722.19'
E = 195.56'
R = 2046.48'



DUNCAN F. COBOURNE
GRETCHEN L. COBOURNE
PARCEL NO. (1)
EASE. FOR HIGHWAY PURPOSES = 1604± S.F. (2)
SLOPE EASE. = 0.08± AC.(1)
DRAINAGE EASE. = (2)
CONST. & MAINT. EASE. = 79± S.F. (1)
TEMP. CONST. RIGHTS = 0.06± AC.(2)
TOTAL AREA = 1.9± AC. (TAX MAP)
REM. AREA = 1.78± AC.

TOE OF SLOPE DITCH
STA. 169+42 TO
STA. 172+40 RT.

CONST. & MAINT.
EASE. LIMITS (FENCE)
79± S.F.

CURVE DATA
P.I. STA. 202+58.67
D = 18°11'20.9"
Δ = 30°55'21.0" RT.
T = 87.13'
L = 170.00'
E = 11.83'
R = 315.00'

TODD A. GOODWIN
ERIN M. BARNARD

147 HAROLD L. DOW HWY, LLC
ITEM NO. (5)
TEMP. CONST. RIGHTS =
915± S.F.(1)
TOTAL AREA = 0.92± AC. (SURVEY)

EXISTING RIGHT OF WAY REFERENCES:

- ROUTE 236: MAINE STATE HIGHWAY COMMISSION, RIGHT OF WAY MAP, STATE HIGHWAY NO. 100, FEDERAL AID SECONDARY PROJECT NO. S-0100(3) S.H.C. FILE NO. 16-107, DATED APRIL 1954, RECORDED AT Y.C.R.D. IN PLAN BOOK 35, PAGES 26-28
- ROUTE 236: STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, SOUTH BERWICK, RIGHT OF WAY MAP, STATE HIGHWAY "3", ROUTE 236 / DOW HIGHWAY, YORK COUNTY, STATE PROJECT NO. 15609.00, D.O.T. FILE NO. 16-454, DATED APRIL 2009
- OLD SOUTH ROAD: STATE OF MAINE, STATE HIGHWAY COMMISSION, PLAN AND PROFILE, SOUTH BERWICK, YORK COUNTY, U.S. PUBLIC WORKS PROJECT NO. NRS 291, DATED 1935.
- YORK WOODS ROAD: YORK COUNTY COMMISSIONERS RECORDS VOLUME 20, PAGE 293 3 RODS WIDE, DATED 1857

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	R.M.C.	C.W.K.
FINAL RIGHT OF WAY	T.L.B.	J.H.
AREAS	T.L.B.	J.H.

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

REVISIONS			PLAN FILED IN PLAN BOOK				PAGE				COUNTY RECORD			
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	PAGE	INSTRUMENT	DATE	BOOK	PAGE	COND.	DATE	BOOK	PAGE
								02/14/22	18952	778				

BRUCE A. VAN NOTE
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER

DATE _____

STATE HIGHWAY "3"
ROUTE 236 / DOW HIGHWAY
SOUTH BERWICK YORK COUNTY
FEDERAL AID PROJECT NO. 2182900

JANUARY 2021
SCALE 1" = 25'

RIGHT-OF-WAY MAP
SHEET 2 OF 4

D.O.T. FILE NO. 16-537

SHEET NUMBER
53
OF 55

Date: 3/11/2022
Username: Jude.Hogan
Division: ROW
Filename: ... \00\ROW\MSTA053_RWPLAN2.dgn

WIN 021829.00

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 _____

PLAN LEGEND
 Existing _____
 Proposed _____
 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 _____

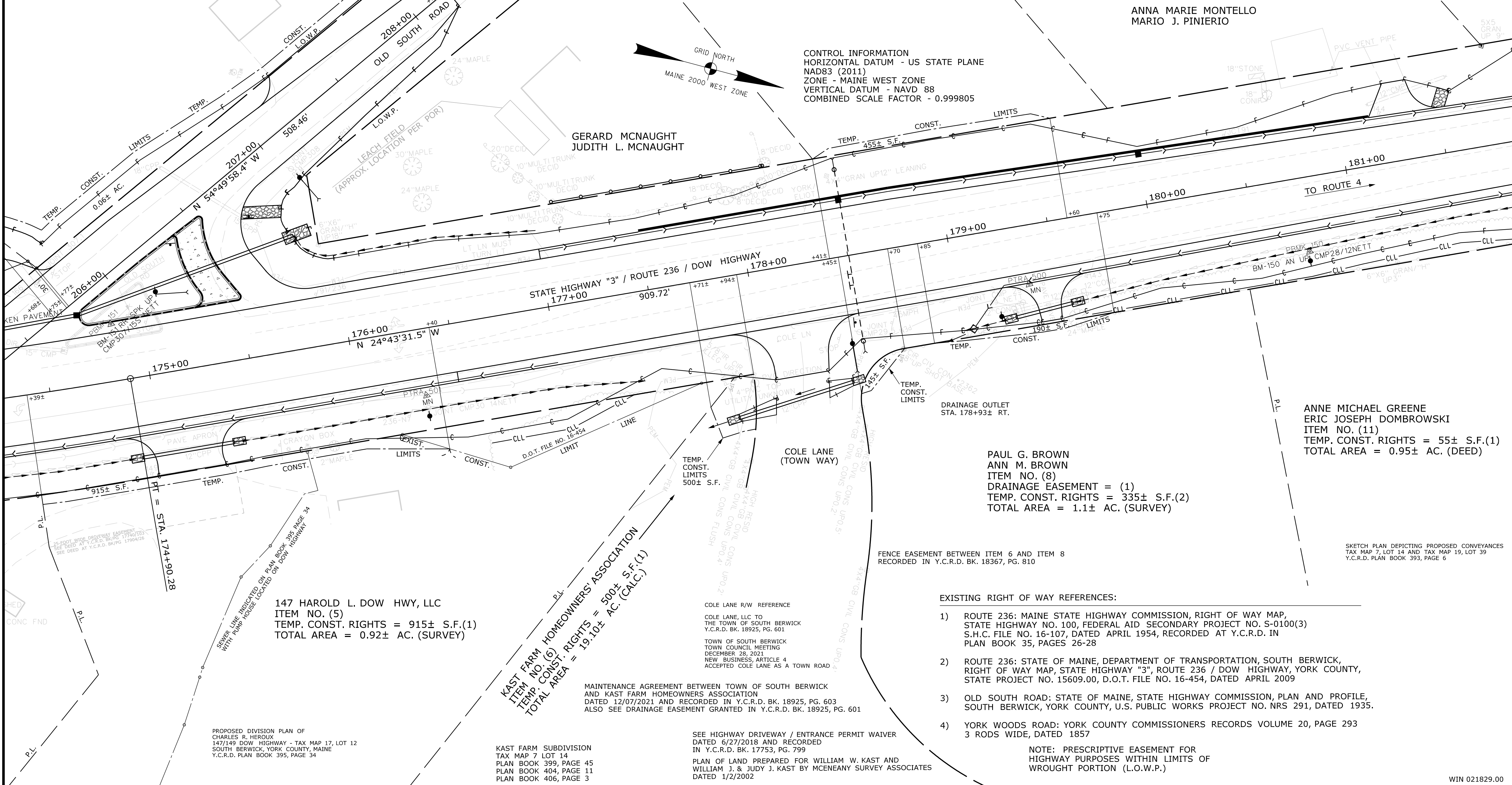
THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

Scale of Feet
 0 25 50 75 100

STATE OF MAINE
 REGISTRY OF DEEDS

COUNTY _____
 RECEIVED _____
 at _____ h _____ m _____ M and
 recorded in Plan Bk _____, Pg. _____
 Attest: _____ REGISTER

JOHN MILLIS
 HEIDI BAKER
 ITEM NO. (4)
 TEMP. CONST. RIGHTS = 0.06± AC.(1)
 TOTAL AREA = 4.7± AC. (TAX MAP)



Date: 3/11/2022
 Username: Jude.Hogan
 Division: ROW
 Filename: ...\\00\ROW\MSTA\054_RWPLAN3.dgn

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	R.M.C.	C.W.K.
FINAL RIGHT OF WAY	T.L.B.	J.H.
AREAS	T.L.B.	J.H.

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

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						COND.	02/14/22	18952	778	COMMISSIONER
										JOYCE NOEL TAYLOR
										CHIEF ENGINEER
										DATE

STATE HIGHWAY "3"
 ROUTE 236 / DOW HIGHWAY
 SOUTH BERWICK YORK COUNTY
 FEDERAL AID PROJECT NO. 2182900

JANUARY 2021
 SCALE 1" = 25'

RIGHT-OF-WAY MAP
 SHEET 3 OF 4

D.O.T. FILE NO. 16-537

SHEET NUMBER
54
 OF 55

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 CHAIN LINK _____
 Sign _____
 Clearing Limit Line _____
 Bush Line _____
 Rock/Boulder _____
 Flag Pole _____
 BARB WIRE _____
 STOCKADE _____
 WELL _____
 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 _____

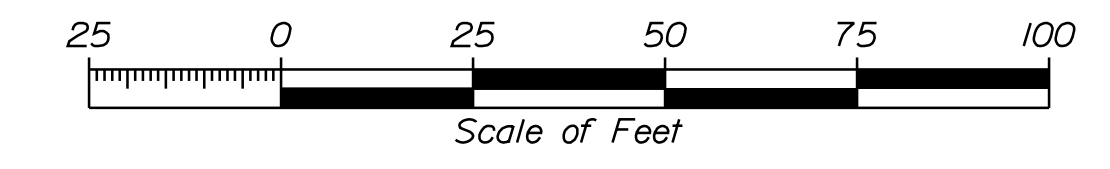
Existing Proposed

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

Fill Line _____
 Retaining Wall _____

 Traverse Point _____
 Pipe Found _____

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STATE OF MAINE
 REGISTRY OF DEEDS

COUNTY _____
 RECEIVED _____,
 at _____ h _____ m _____ M and
 recorded in Plan Bk _____, Pg. _____
 Attest: _____
 REGISTER

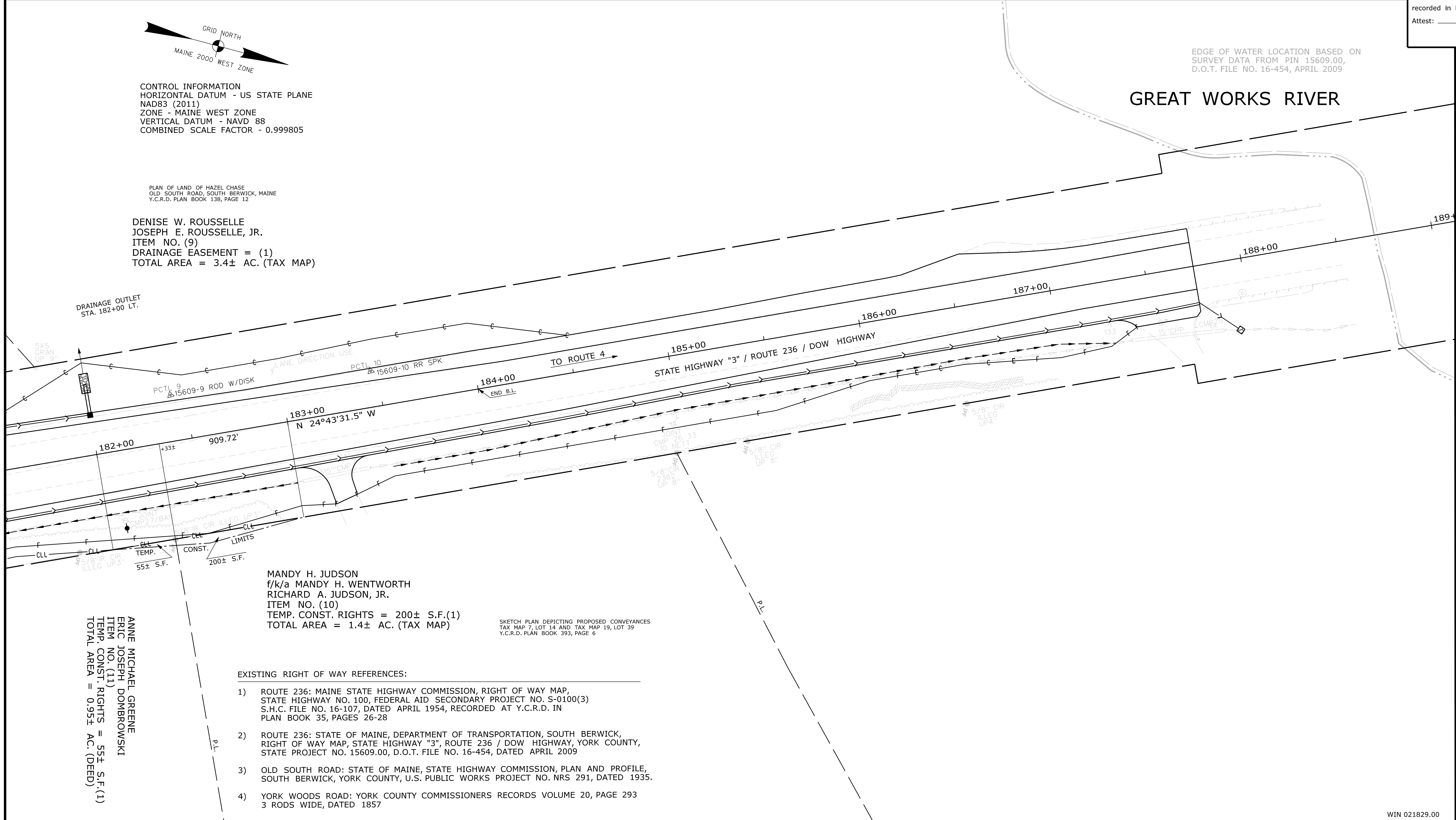
CONTROL INFORMATION
 HORIZONTAL DATUM - US STATE PLANE
 NAD83 (2011)
 ZONE - MAINE WEST ZONE
 VERTICAL DATUM - NAVD 88
 COMBINED SCALE FACTOR - 0.999805

PLAN OF LAND OF HAZEL CHASE
 OLD SOUTH ROAD, SOUTH BERWICK, MAINE
 Y.C.R.D. PLAN BOOK 138, PAGE 12

DENISE W. ROUSSELLE
 JOSEPH E. ROUSSELLE, JR.
 ITEM NO. (9)
 DRAINAGE EASEMENT = (1)
 TOTAL AREA = 3.4± AC. (TAX MAP)

GREAT WORKS RIVER

EDGE OF WATER LOCATION BASED ON
 SURVEY DATA FROM PIN 15609.00,
 D.O.T. FILE NO. 16-454, APRIL 2009



Date: 3/11/2022

Username: Jude.Hogan

Division: ROW

Filename: ... \00\ROW\WSTA\055_RWPLAN4.dgn

ANNE MICHAEL GREENE
 ERIC JOSEPH DOMBROWSKI
 ITEM NO. (11)
 TEMP. CONST. RIGHTS = 55± S.F. (1)
 TOTAL AREA = 0.95± AC. (DEED)

MANDY H. JUDSON
 f/k/a MANDY H. WENTWORTH
 RICHARD A. JUDSON, JR.
 ITEM NO. (10)
 TEMP. CONST. RIGHTS = 200± S.F. (1)
 TOTAL AREA = 1.4± AC. (TAX MAP)

SKETCH PLAN DEPICTING PROPOSED CONVEYANCES
 TAX MAP 7, LOT 14 AND TAX MAP 19, LOT 39
 Y.C.R.D. PLAN BOOK 393, PAGE 6

EXISTING RIGHT OF WAY REFERENCES:

- ROUTE 236: MAINE STATE HIGHWAY COMMISSION, RIGHT OF WAY MAP, STATE HIGHWAY NO. 100, FEDERAL AID SECONDARY PROJECT NO. S-0100(3) S.H.C. FILE NO. 16-107, DATED APRIL 1954, RECORDED AT Y.C.R.D. IN PLAN BOOK 35, PAGES 26-28
- ROUTE 236: STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, SOUTH BERWICK, RIGHT OF WAY MAP, STATE HIGHWAY "3", ROUTE 236 / DOW HIGHWAY, YORK COUNTY, STATE PROJECT NO. 15609.00, D.O.T. FILE NO. 16-454, DATED APRIL 2009
- OLD SOUTH ROAD: STATE OF MAINE, STATE HIGHWAY COMMISSION, PLAN AND PROFILE, SOUTH BERWICK, YORK COUNTY, U.S. PUBLIC WORKS PROJECT NO. NRS 291, DATED 1935.
- YORK WOODS ROAD: YORK COUNTY COMMISSIONERS RECORDS VOLUME 20, PAGE 293 3 RODS WIDE, DATED 1857

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	R.M.C.	C.W.K.
FINAL RIGHT OF WAY	T.L.B.	J.H.
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 JOYCE NOEL TAYLOR
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DATE _____

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 SOUTH BERWICK YORK COUNTY
 FEDERAL AID PROJECT NO. 2182900

JANUARY 2021
 SCALE 1" = 25'

RIGHT-OF-WAY MAP
 SHEET 4 OF 4

D.O.T. FILE NO. 16-537

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55
 OF 55

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