



STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 16 STATE HOUSE STATION  
 AUGUSTA, MAINE 04333-0016

Janet T. Mills  
 GOVERNOR

Bruce A. Van Note  
 COMMISSIONER

March 28, 2019  
 Subject: Highway Reconstruction,  
 Bridge Replacements and Bridge  
 Wearing Surface Replacements  
 Federal WIN: 018247.00,  
 022615.00, 022616.00, 023100.00 &  
 023102.00  
 Location: **Phillips & Madrid**  
**Amendment No. 1**

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

**REMOVE** pages 17 – 31, Proposal Schedule of Items, 15 pages, dated 2/27/2019, and **REPLACE** with the attached, revised Proposal Schedule of Items, 14 pages, dated 3/27/2019.

**REMOVE** page 170, SPECIAL PROVISION – SECTION 652 – MAINTENANCE OF TRAFFIC – (Construction Requirements – General), 1 page, dated January 9, 2019, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 652 – MAINTENANCE OF TRAFFIC – (Construction Requirements – General), 1 page, dated March 25, 2019.

In the Plan Set: On SHEET NUMBER 1 OF 532, TITLE SHEET, **REMOVE** INDEX OF SHEETS, and **REPLACE** with the attached, revised INDEX OF SHEETS.

INDEX OF SHEETS

<u>Description</u>	<u>Sheet No.</u>
Title Sheet .....	1
Typical Sections .....	2-5
Sheets Intentionally Left Blank .....	6-8
Superelevation Table .....	9
Estimated Quantities and Earthwork Summary .....	10
Drainage Summary .....	11-12
General Notes .....	13
Construction Notes .....	14-17
Special Details .....	18-23
Plans & Profiles .....	24-65
Intersection Geometry Plans .....	66-67
Cross Sections .....	68-372
Signing and Pavement Marking .....	373-409
Sign Summary .....	410-411
Weymouth Bridge, WIN 22615.00 .....	412-449
Wing Bridge, WIN 22616.00 .....	450-495
Right-of-Way Plans .....	496-532

The following sheets are to be **REMOVED** from the existing plan set and then **REPLACED** with the corresponding attached revised sheets:

<b>REMOVE</b> sheet	and <b>REPLACE</b> with sheet
2	2
6	6
7	7
8	8
10	10
16	16
17	17
34	34
35	35
155	155
157	157
158	158
159	159
160	160
161	161
162	162
163	163
164	164
165	165
166	166
167	167

On SHEET NUMBER 442 OF 532 and SHEET NUMBER 490 OF 532, **REMOVE** STRUCTURAL STEEL NOTES #9., which begins “9. See Standard Detail 514(10)...”, and **REPLACE** with “9. See Standard Detail 504(10) for drip bar details.” Make this change in pen and ink.

Standard Details and Standard Detail updates are available at:  
<http://maine.gov/mdot/contractors/publications/standarddetail/>

The following questions have been received:

**Question:** Under which bid item is the 2" crushed stone required for the RSS paid for?

**Response:** See revised plan sheets.

**Question:** Under which item is the excavation for the RSS paid for?

**Response:** See revised plan sheets.

**Question:** Plan notes indicate (sheet 13 – Note 40) - “All Bituminous Pavement Salvaged on the project shall be delivered and stockpiled at the asphalt storage and processing area located approximately 10 miles west of the Route 4 in Township E”. What are the Contractors responsibilities for preservation and restoration of the existing gravel road to get to this stockpile area?

**Response:** Please refer to note 40 on sheet 13, “If the Contractor wishes to secure permission for use of private road, contact:

Matt Jacobs  
American Forest Management  
PO Box 978, Farmington, ME 04938  
(207) 860-4108  
[Matt.jacobs@afmforest.com](mailto:Matt.jacobs@afmforest.com)

Responsibility for preservation and restoration of the private road will be agreed upon between the Contractor and American Forest Management.

**Question:** Per Note #40 on sheet 13 of plans, “All bituminous pavement salvaged from the project shall be delivered and stockpiled located approximately 10 miles west of Route 4 in Township E.” Per Standard Specs item 203.041 Salvage of existing hot mix asphalt pavement #2, “RAP can be used as top 3” of gravels when crushed to 1½” minus”. Will the Department allow the Contractor to keep enough salvaged pavement for use as the 3” lift allowed per Standard Specs?

**Response:** A maximum of 5000 cubic yards of salvaged bituminous pavement will become the property of the Contractor only for the use of capping gravel within the project limits.

**Question:** Please provide detail of drip bar (Standard Detail 514(10)). Unable to locate in standard drawings.

**Response:** See above pen and ink changes to SHEET NUMBERS 442 & 490.

Consider these changes and information prior to submitting your bid on **April 3, 2019**.

Sincerely,



George M. A. Macdougall P.E.  
Contracts & Specifications Engineer

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID:

Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	201.11 CLEARING	11.000 AC	_____	 _____	_____	 _____
0020	201.23 REMOVING SINGLE TREE TOP ONLY	50.000 EA	_____	 _____	_____	 _____
0030	201.24 REMOVING STUMP	50.000 EA	_____	 _____	_____	 _____
0040	202.15 REMOVING MANHOLE OR CATCH BASIN	8.000 EA	_____	 _____	_____	 _____
0050	202.19 REMOVING EXISTING BRIDGE	LUMP SUM		 LUMP SUM	_____	 _____
0060	202.202 REMOVING PAVEMENT SURFACE	2,690.000 SY	_____	 _____	_____	 _____
0070	203.20 COMMON EXCAVATION	108,900.000 CY	_____	 _____	_____	 _____
0080	203.21 ROCK EXCAVATION	17,050.000 CY	_____	 _____	_____	 _____
0090	203.211 PRESPLITTING ROCK	9,800.000 LF	_____	 _____	_____	 _____
0100	203.213 DRILLING AND BLASTING OF SOLID ROCK SUBGRADE	3,400.000 SY	_____	 _____	_____	 _____
0110	203.25 GRANULAR BORROW	6,950.000 CY	_____	 _____	_____	 _____
0120	203.33 SPECIAL FILL	190.000 CY	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0130	203.35 CRUSHED STONE FILL	180.000 CY	_____	 _____	_____	 _____
0140	204.20 ADD SHOULDER AGGREGATE TO EXISTING SHOULDER, PLAN QUANTITY	120.000 SY	_____	 _____	_____	 _____
0150	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	100.000 CY	_____	 _____	_____	 _____
0160	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	250.000 CY	_____	 _____	_____	 _____
0170	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	2,530.000 CY	_____	 _____	_____	 _____
0180	206.092 STRUCTURAL ROCK EXCAVATION - MAJOR STRUCTURES	54.000 CY	_____	 _____	_____	 _____
0190	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	93,550.000 CY	_____	 _____	_____	 _____
0200	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	8,000.000 T	_____	 _____	_____	 _____
0210	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	2,290.000 T	_____	 _____	_____	 _____
0220	403.211 HOT MIX ASPHALT (SHIMMING)	50.000 T	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0230	403.213 HOT MIX ASPHALT 12.5 MM BASE	18,120.000 T	_____	 _____	_____	 _____
0240	409.15 BITUMINOUS TACK COAT - APPLIED	2,951.000 G	_____	 _____	_____	 _____
0250	411.10 UNTREATED AGGREGATE SURFACE COURSE (TRUCK MEASURE)	100.000 CY	_____	 _____	_____	 _____
0260	461.131 TEMPORARY PAVEMENT	604.000 T	_____	 _____	_____	 _____
0270	501.502 ROCK SOCKETED H-PILES	147.000 LF	_____	 _____	_____	 _____
0280	501.54 STEEL H-BEAM PILES 117 LBS/FT, DELIVERED	147.000 LF	_____	 _____	_____	 _____
0290	501.804 DRILLING EQUIPMENT MOBILIZATION	LUMP SUM		 LUMP SUM	_____	 _____
0300	501.91 PILE SPLICES	7.000 EA	_____	 _____	_____	 _____
0310	502.21 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS WEYMOUTH	380.000 CY	_____	 _____	_____	 _____
0320	502.21 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS WING	460.000 CY	_____	 _____	_____	 _____
0330	502.22 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS (PLACED UNDER WATER)	390.000 CY	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0340	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP SUM	LUMP	SUM	_____	_____
0350	502.291 SAW CUT GROOVING	LUMP SUM	LUMP	SUM	_____	_____
0360	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP SUM	LUMP	SUM	_____	_____
0370	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM	LUMP	SUM	_____	_____
0380	502.565 CONCRETE FILL	20.000 CY	_____	_____	_____	_____
0390	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	79,900.000 LB	_____	_____	_____	_____
0400	503.13 REINFORCING STEEL, PLACING	79,900.000 LB	_____	_____	_____	_____
0410	503.26 STAINLESS STEEL REINFORCEMENT - FABRICATED & DELIVERED	64,100.000 LB	_____	_____	_____	_____
0420	503.27 STAINLESS STEEL REINFORCEMENT - PLACING	64,100.000 LB	_____	_____	_____	_____
0430	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED WEYMOUTH	LUMP SUM	LUMP	SUM	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0440	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED WING	LUMP SUM	LUMP	SUM	_____	_____
0450	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM	LUMP	SUM	_____	_____
0460	505.08 SHEAR CONNECTORS	LUMP SUM	LUMP	SUM	_____	_____
0470	507.0821 STEEL BRIDGE RAILING, 3 BAR	LUMP SUM	LUMP	SUM	_____	_____
0480	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM	LUMP	SUM	_____	_____
0490	510.10 SPECIAL DETOUR _____ ROADWAY WIDTH VEHICULAR & PEDESTRIAN TRAFFIC NOT SEPARATED 13'-7", WEYMOUTH	LUMP SUM	LUMP	SUM	_____	_____
0500	510.10 SPECIAL DETOUR _____ ROADWAY WIDTH VEHICULAR & PEDESTRIAN TRAFFIC NOT SEPARATED 13'-7", WING	LUMP SUM	LUMP	SUM	_____	_____
0510	511.07 COFFERDAM: ABUT NO.1, WEYMOUTH	LUMP SUM	LUMP	SUM	_____	_____
0520	511.07 COFFERDAM: ABUT NO.1, WING	LUMP SUM	LUMP	SUM	_____	_____
0530	511.07 COFFERDAM: ABUT NO.2, WEYMOUTH	LUMP SUM	LUMP	SUM	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0540	511.07 COFFERDAM: ABUT NO.2, WING	LUMP SUM	LUMP	SUM	_____	_____
0550	512.081 FRENCH DRAINS	LUMP SUM	LUMP	SUM	_____	_____
0560	514.06 CURING BOX FOR CONCRETE CYLINDERS	2.000 EA	_____	_____	_____	_____
0570	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP	SUM	_____	_____
0580	518.50 REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 8 IN.	17.000 SF	_____	_____	_____	_____
0590	520.232 EXPANSION DEVICE - ASPHALTIC PLUG JOINT	194.000 LF	_____	_____	_____	_____
0600	523.52 BEARING INSTALLATION	15.000 EA	_____	_____	_____	_____
0610	523.5401 LAMINATED ELASTOMERIC BEARINGS, FIXED	5.000 EA	_____	_____	_____	_____
0620	523.5402 LAMINATED ELASTOMERIC BEARINGS, EXPANSION	10.000 EA	_____	_____	_____	_____
0630	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM	LUMP	SUM	_____	_____
0640	526.34 PERMANENT CONCRETE TRANSITION BARRIER	8.000 EA	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00,  
023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0650	527.34 WORK ZONE CRASH CUSHIONS	12.000 UN	_____	 _____	_____	 _____
0660	603.16 15 INCH CULVERT PIPE OPTION I	468.000 LF	_____	 _____	_____	 _____
0670	603.17 18 INCH CULVERT PIPE OPTION I	216.000 LF	_____	 _____	_____	 _____
0680	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	124.000 LF	_____	 _____	_____	 _____
0690	603.179 18 INCH CULVERT PIPE OPTION III	264.000 LF	_____	 _____	_____	 _____
0700	603.19 24 INCH CULVERT PIPE OPTION I	34.000 LF	_____	 _____	_____	 _____
0710	603.199 24 INCH CULVERT PIPE OPTION III	124.000 LF	_____	 _____	_____	 _____
0720	603.20 30 INCH CULVERT PIPE OPTION I	48.000 LF	_____	 _____	_____	 _____
0730	603.205 30 INCH REINFORCED CONCRETE PIPE CLASS III	382.000 LF	_____	 _____	_____	 _____
0740	603.209 30 INCH CULVERT PIPE OPTION III	256.000 LF	_____	 _____	_____	 _____
0750	603.215 36 INCH REINFORCED CONCRETE PIPE CLASS III	292.000 LF	_____	 _____	_____	 _____
0760	603.219 36 INCH CULVERT PIPE OPTION III	164.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00,  
023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0770	603.225 42 INCH REINFORCED CONCRETE PIPE CLASS III	72.000 LF	_____	 _____	_____	 _____
0780	603.235 48 INCH REINFORCED CONCRETE PIPE CLASS III	312.000 LF	_____	 _____	_____	 _____
0790	603.245 54 INCH REINFORCED CONCRETE PIPE CLASS III	100.000 LF	_____	 _____	_____	 _____
0800	603.275 72 INCH REINFORCED CONCRETE PIPE CLASS III	104.000 LF	_____	 _____	_____	 _____
0810	603.55 CONCRETE PIPE TIES	88.000 GP	_____	 _____	_____	 _____
0820	603.78 18 INCH INLET GRATE UNIT	1.000 EA	_____	 _____	_____	 _____
0830	604.092 CATCH BASIN TYPE B1-C	8.000 EA	_____	 _____	_____	 _____
0840	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	1.000 EA	_____	 _____	_____	 _____
0850	605.09 6 INCH UNDERDRAIN TYPE B	6,610.000 LF	_____	 _____	_____	 _____
0860	605.10 6 INCH UNDERDRAIN OUTLET	420.000 LF	_____	 _____	_____	 _____
0870	605.13 18 INCH UNDERDRAIN TYPE C	680.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00,  
023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0880	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	10,642.000 LF	_____	 _____	_____	 _____
0890	606.1303 31" W-BM GR, MID-WAY SPLICE-15' RAD AND LESS	175.000 LF	_____	 _____	_____	 _____
0900	606.1304 31" W-BM GR, MID-WAY SPLICE-OVER 15' RAD	176.000 LF	_____	 _____	_____	 _____
0910	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	20.000 EA	_____	 _____	_____	 _____
0920	606.1307 BRIDGE TRANSITION (ASYMMETRICAL) - TYPE 1	8.000 EA	_____	 _____	_____	 _____
0930	606.259 ANCHORAGE ASSEMBLY	1.000 EA	_____	 _____	_____	 _____
0940	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	1.000 EA	_____	 _____	_____	 _____
0950	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	58.000 EA	_____	 _____	_____	 _____
0960	606.356 UNDERDRAIN DELINEATOR POST	37.000 EA	_____	 _____	_____	 _____
0970	606.47 SINGLE WOOD POST	17.000 EA	_____	 _____	_____	 _____
0980	606.51 MULTIPLE MAILBOX SUPPORT	1.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0990	606.66 TERMINAL END THRIE BEAM	1.000 EA	_____	 _____	_____	 _____
1000	606.71 GUARDRAIL THRIE BEAM - 15 FOOT RADIUS AND LESS	12.500 LF	_____	 _____	_____	 _____
1010	609.31 CURB TYPE 3	2,660.000 LF	_____	 _____	_____	 _____
1020	610.08 PLAIN RIPRAP	5,601.000 CY	_____	 _____	_____	 _____
1030	610.16 HEAVY RIPRAP	2,120.000 CY	_____	 _____	_____	 _____
1040	610.163 SPECIAL RIPRAP	30.000 CY	_____	 _____	_____	 _____
1050	610.18 STONE DITCH PROTECTION	700.000 CY	_____	 _____	_____	 _____
1060	613.319 EROSION CONTROL BLANKET	14,350.000 SY	_____	 _____	_____	 _____
1070	613.40 TURF REINFORCEMENT MAT - (TRM)	6,400.000 SY	_____	 _____	_____	 _____
1080	615.07 LOAM	7,340.000 CY	_____	 _____	_____	 _____
1090	615.081 COMPOST BLANKET	550.000 CY	_____	 _____	_____	 _____
1100	618.13 SEEDING METHOD NUMBER 1	97.000 UN	_____	 _____	_____	 _____
1110	618.14 SEEDING METHOD NUMBER 2	1,048.000 UN	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1120	618.146 SEEDING HYDROMULCH MEDIUM	90.000 UN	_____	_____	_____	_____
1130	619.12 MULCH	1,145.000 UN	_____	_____	_____	_____
1140	619.14 EROSION CONTROL MIX	770.000 CY	_____	_____	_____	_____
1150	620.54 STABILIZATION/REINFORCEMENT GEOTEXTILE	100.000 SY	_____	_____	_____	_____
1160	620.56 DRAINAGE GEOTEXTILE	570.000 SY	_____	_____	_____	_____
1170	620.58 EROSION CONTROL GEOTEXTILE	8,725.000 SY	_____	_____	_____	_____
1180	620.66 DRAINAGE GEOCOMPOSITE	80.000 SY	_____	_____	_____	_____
1190	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	76,232.000 LF	_____	_____	_____	_____
1200	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	160.000 SF	_____	_____	_____	_____
1210	627.77 REMOVING PAVEMENT MARKINGS	1,100.000 SF	_____	_____	_____	_____
1220	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	150,300.000 LF	_____	_____	_____	_____
1230	629.05 HAND LABOR, STRAIGHT TIME	110.000 HR	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1240	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
1250	631.121 HEAVY DUTY ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
1260	631.13 BULLDOZER (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
1270	631.14 GRADER (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
1280	631.15 ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR )	60.000 HR	_____	 _____	_____	 _____
1290	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	120.000 HR	_____	 _____	_____	 _____
1300	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	90.000 HR	_____	 _____	_____	 _____
1310	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	50.000 HR	_____	 _____	_____	 _____
1320	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____
1330	643.72 TEMPORARY TRAFFIC SIGNAL WEYMOUTH	LUMP SUM	_____	 LUMP SUM	_____	 _____
1340	643.72 TEMPORARY TRAFFIC SIGNAL WING	LUMP SUM	_____	 LUMP SUM	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1350	645.103 DEMOUNT GUIDE SIGN	1.000 EA	_____	 _____	_____	 _____
1360	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	35.000 EA	_____	 _____	_____	 _____
1370	645.113 REINSTALL GUIDE SIGN	15.000 EA	_____	 _____	_____	 _____
1380	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	4.000 EA	_____	 _____	_____	 _____
1390	645.291 ROADSIDE GUIDE SIGNS TYPE II	60.000 SF	_____	 _____	_____	 _____
1400	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	410.000 SF	_____	 _____	_____	 _____
1410	645.60 ACTUATED DYNAMIC SIGNS	LUMP SUM		 LUMP SUM	_____	 _____
1420	652.30 FLASHING ARROW BOARD	2.000 EA	_____	 _____	_____	 _____
1430	652.312 TYPE III BARRICADE	8.000 EA	_____	 _____	_____	 _____
1440	652.33 DRUM	300.000 EA	_____	 _____	_____	 _____
1450	652.34 CONE	500.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018247.00

Project(s): 018247.00, 022615.00, 022616.00, 023100.00, 023102.00

SECTION: 1 Project Items

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1460	652.35 CONSTRUCTION SIGNS	1,200.000 SF	_____	 _____	_____	 _____
1470	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES - Highway	494.000 CD	_____	 _____	_____	 _____
1480	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES - Weymouth Br.	250.000 CD	_____	 _____	_____	 _____
1490	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES - Wing Br.	250.000 CD	_____	 _____	_____	 _____
1500	652.38 FLAGGER	18,200.000 HR	_____	 _____	_____	 _____
1510	652.381 TRAFFIC OFFICER	350.000 HR	_____	 _____	_____	 _____
1520	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	6.000 EA	_____	 _____	_____	 _____
1530	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM		 LUMP SUM	_____	 _____
1540	659.10 MOBILIZATION	LUMP SUM		 LUMP SUM	_____	 _____
1550	660.21 ON-THE-JOB TRAINING (BID)	2,400.000 HR	_____	 _____	_____	 _____
<b>Section: 1</b>			<b>Total:</b>		_____	 _____
			<b>Total Bid:</b>		_____	 _____

**SPECIAL PROVISION**  
**SECTION 652**  
**MAINTENANCE OF**  
**TRAFFIC**  
(Construction Requirements – General)

The following is added to Standard Specifications Subsection 652.3.4, General:

Alternating one-way traffic shall be maintained on the existing pavement, temporary pavement, new base pavement or new surface pavement only. All lane closures shall be approved by the Resident.

The temporary detour bridge shall be paved in order to facilitate snow removal operations. The temporary detour bridge curb to curb width shall be sixteen (16) feet minimum.

The Contractor shall make provisions for road entrances within the temporary traffic light zone as determined by the Resident.

Route 4 may be closed to through traffic for the sole purpose of unloading and setting superstructure beams. Closures will only be allowed for 25 minutes between the hours of 6:30pm and 5:30am, and for 15 minutes between the hours of 9:00am and 3:00pm. Road closures are limited to Monday through Thursday. Road closures are limited to one closure every two consecutive hours. Police detail is required during Route 4 road closures.

The Contractor shall utilize variable message sign boards to alert motorists of scheduled road closures and will coordinate road closures with the Project Resident and with local emergency response providers.

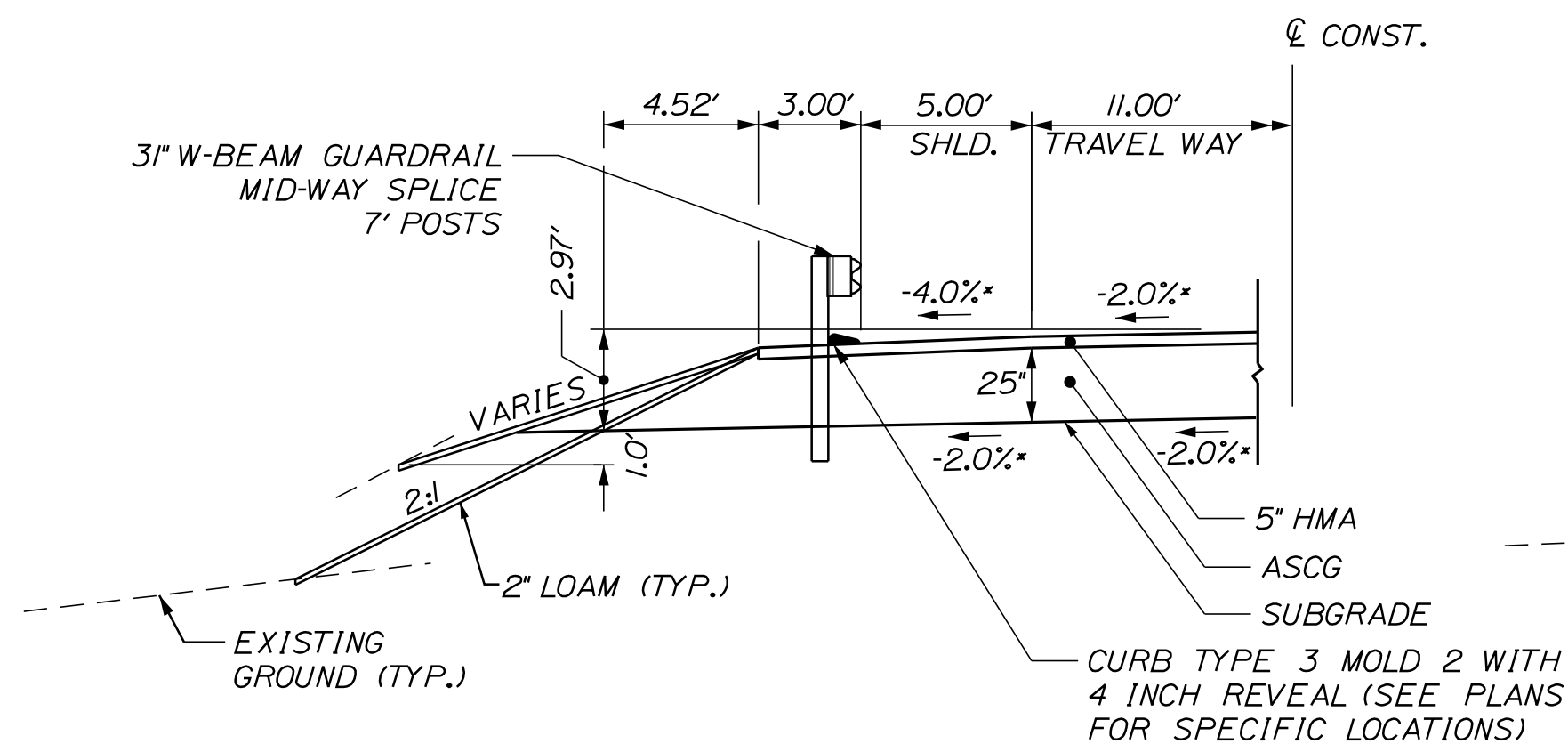
Date: 3/25/2019

Username: tygognon

Division: HIGHWAY

Filename: ... \MSTAN002\_Typical\_01.dgn

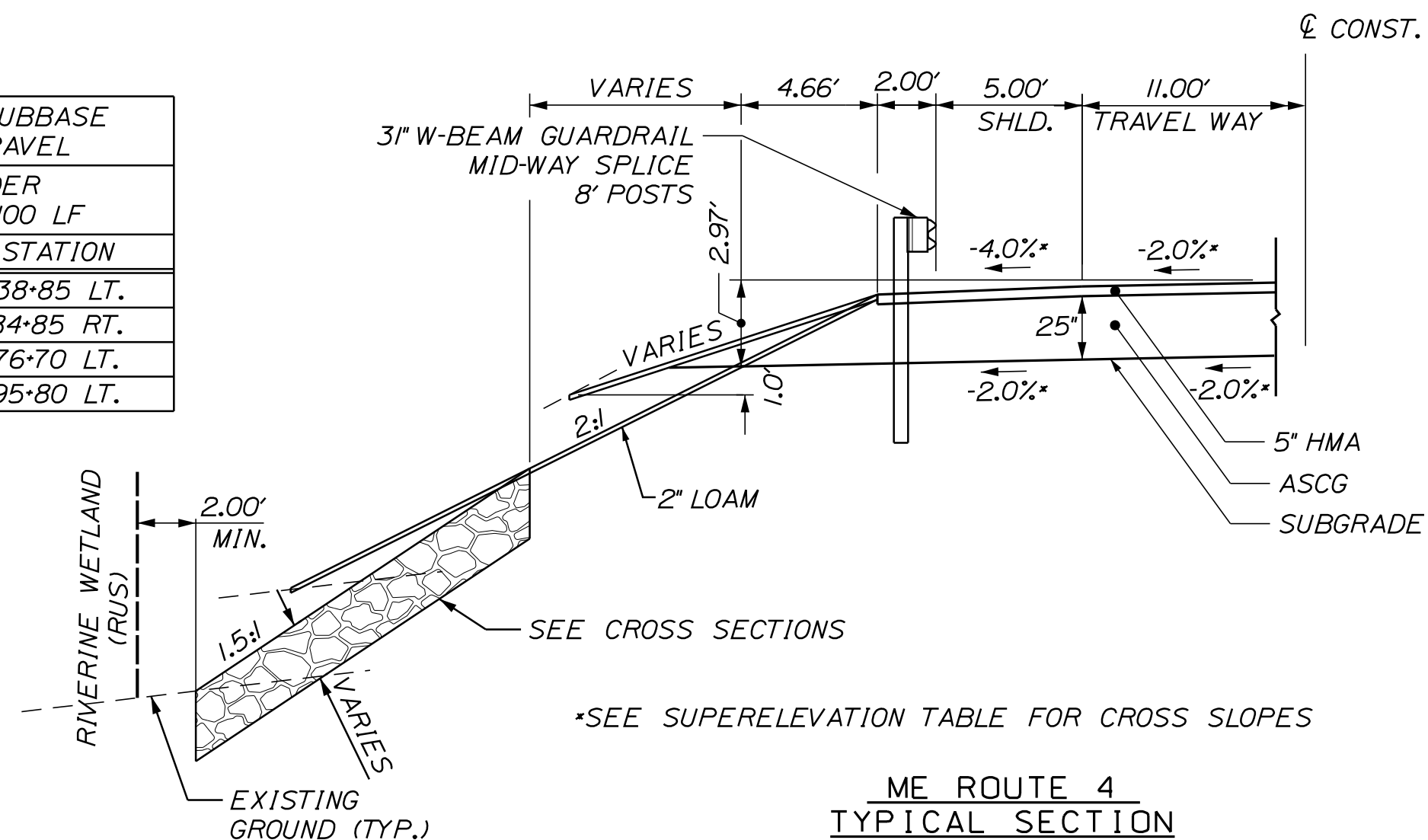
AGGREGATE SUBBASE COURSE GRAVEL
LEFT SHOULDER
80.07 CY/100 LF
STATION TO STATION
501+00 TO 504+90 RT
546+90 TO 557+90 RT.
617+30 TO 621+10 LT.
633+10 TO 641+65 LT.
654+50 TO 659+00 LT.
663+60 TO 673+50 LT.
713+50 (WIN 22616.00 LIMIT) TO 734+40 RT.
736+10 TO 741+90 RT.



\*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

ME ROUTE 4  
TYPICAL SECTION  
GUARDRAIL SHOULDER

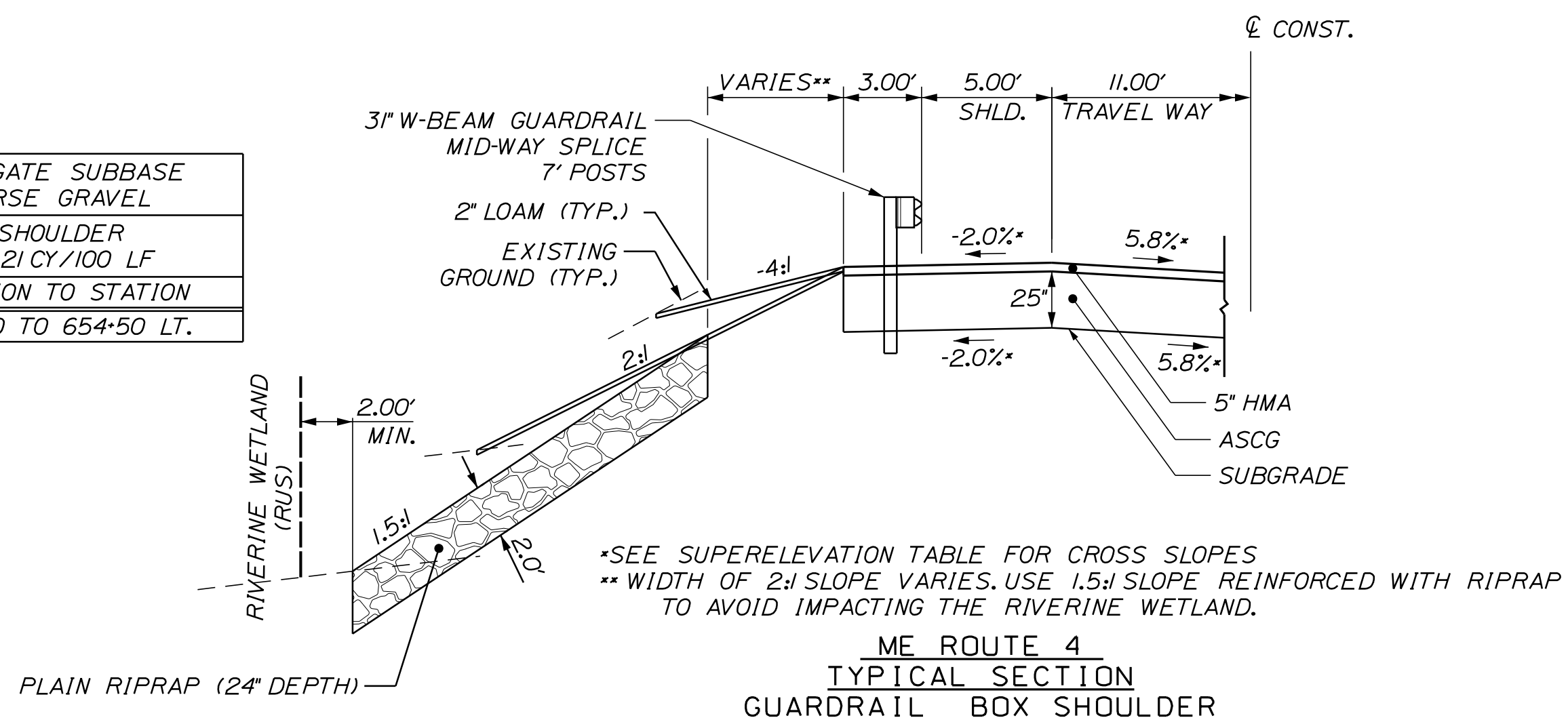
AGGREGATE SUBBASE COURSE GRAVEL
SHOULDER
72.93 CY/100 LF
STATION TO STATION
535+65 TO 538+85 LT.
567+40 TO 584+85 RT.
673+50 TO 676+70 LT.
689+60 TO 695+80 LT.



\*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

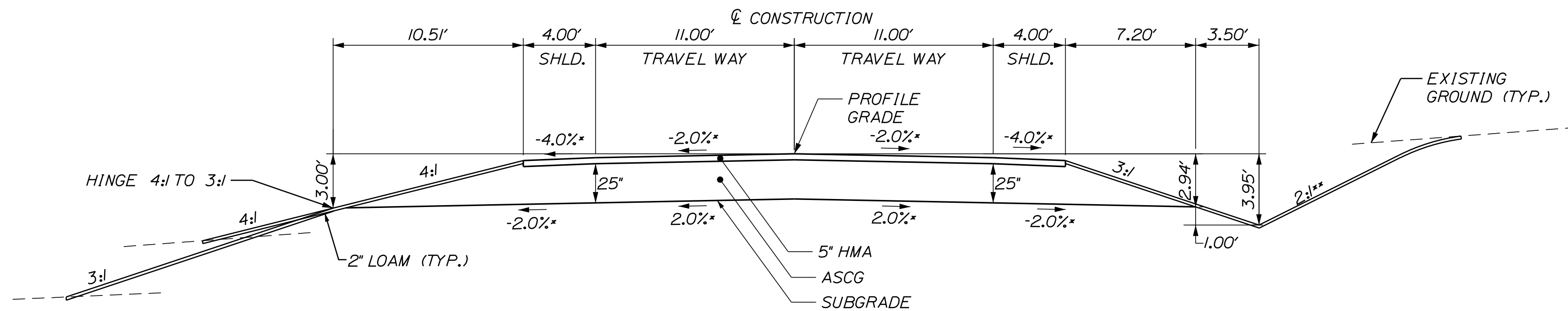
ME ROUTE 4  
TYPICAL SECTION  
LONG POST GUARDRAIL SHOULDER

AGGREGATE SUBBASE COURSE GRAVEL
SHOULDER
64.21 CY/100 LF
STATION TO STATION
651+00 TO 654+50 LT.



\*SEE SUPERELEVATION TABLE FOR CROSS SLOPES  
\*\* WIDTH OF 2:1 SLOPE VARIES. USE 1.5:1 SLOPE REINFORCED WITH RIPRAP TO AVOID IMPACTING THE RIVERINE WETLAND.

ME ROUTE 4  
TYPICAL SECTION  
GUARDRAIL BOX SHOULDER



\*SEE SUPERELEVATION TABLE FOR CROSS SLOPES  
\*\*MATCH INTO PROPOSED ATV TRAIL (STA. 719+73 TO STA. 721+90 LT.)

AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER	2 - 11 FT. TRAVEL LANES	RIGHT SHOULDER
72.54 CY/100 LF	176.57 CY/100 LF	61.63 CY/100 LF
STATION TO STATION		STATION TO STATION
501+00 TO 535+65 LT.		507+00 TO 546+90 RT.
538+85 TO 552+00 LT.		557+90 TO 567+40 RT.
558+50 TO 568+50 LT.		584+85 TO 588+25
581+00 TO 584+50 LT.		(WIN 22615.00 LIMIT) RT.
587+40 TO 588+25		593+75 (WIN 22615.00 LIMIT) TO 598+00 RT.
(WIN 22615.00 LIMIT) LT.		599+30 TO 603+50 RT.
593+75 (WIN 22615.00 LIMIT) TO 617+30 LT.		611+00 TO 628+00 RT.
621+10 TO 633+10 LT.		643+00 TO 646+70 RT.
641+65 TO 647+00 LT.		662+00 TO 663+30 RT.
660+75 TO 663+60 LT.		665+00 TO 669+00 RT.
676+70 TO 689+60 LT.		672+50 TO 704+25 RT.
695+80 TO 705+50		734+40 TO 736+10 RT.
(WIN 22616.00 LIMIT) LT.		741+90 TO 743+75 RT.
713+50 (WIN 22616.00 LIMIT) TO 722+20 LT.**		
725+50 TO 740+00 LT.		

ME ROUTE 4  
TYPICAL SECTION  
OPEN DRAINAGE

NOTES:

1. THE PAVEMENT AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS 4%, THE LOW SIDE SHOULDER'S PAVEMENT SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVEL WAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" LOAM DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.
5. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
6. THE STATIONING IN THE TYPICAL SECTION TABLES IS APPROXIMATE.
7. HMA = HOT MIX ASPHALT  
ASCG = AGGREGATE SUBBASE COURSE GRAVEL  
PG = PROFILE GRADE  
C = CONSTRUCTION CENTER LINE
8. 3:1 BACKSLOPE USED IN LAWN AREAS INSTEAD OF 2:1.
9. USE OF CURB TYPE 3 MOLDS 2 AND 3 ON ME ROUTE 4:  
-TYPE 3 MOLD 2: STATION 641+32 TO 675+81  
-TYPE 3 MOLD 2 WITH 4" REVEAL UNDER GUARDRAIL  
-TYPE 3 MOLD 3: ALL OTHER LOCATIONS  
SEE CONSTRUCTION NOTES FOR LOCATIONS.
10. BACKSLOPE ROUNDING ACCORDING TO MAINEDOT STANDARD DETAIL 203(03).
11. SEE SUPERELEVATION DETAILS FOR TOPGRADE AND SUBGRADE DESIGN IN SUPERELEVATED SECTIONS.

SCALE OF FEET



STATE OF MAINE	DEPARTMENT OF TRANSPORTATION	STP-1824(700)X	WIN 18247.00	HIGHWAY PLANS
MADRID \ PHILLIPS		ROUTE 4		TYPICAL SECTIONS
PROJ. MANAGER	DATE	BY	DATE	SIGNATURE
DESIGN-DETAILED				
CHECKED-REVIEWED				
DESIGNED-DRAWN				
DESIGNED-PAIRED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				
SHEET NUMBER				2
				OF 532

THIS SHEET INTENTIONALLY LEFT BLANK

SHEET NUMBER

6

OF 532

MADRID \ PHILLIPS  
ROUTE 4

PROJ. MANAGER	E. MARTIN	BY	DATE
CHECKED-REVIEWED	S. BABALIS		
DESIGNS-DETAILED	M. DEROWSKI		
DESIGNS-DETAILED	L. MAYNARD		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE \_\_\_\_\_  
P.E. NUMBER \_\_\_\_\_  
DATE \_\_\_\_\_

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
**STP-1824(700)X**  
**WIN**  
**18247.00** HIGHWAY PLANS

THIS SHEET INTENTIONALLY LEFT BLANK

SHEET NUMBER

2

OF 532

MADRID \ PHILLIPS  
ROUTE 4

PROJ. MANAGER

E. MARTIN

BY

DATE

DESIGN-DETAILED S. BABALIS

CHECKED-REVIEWED M. DEBROWSKI

DESIGNS-DETAILED T. MAYNARD

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

STP-1824(700)X

WIN

18247.00

HIGHWAY PLANS

THIS SHEET INTENTIONALLY LEFT BLANK

SHEET NUMBER

08

OF 532

MADRID \ PHILLIPS  
ROUTE 4

PROJ. MANAGER	E. MARTIN	BY	DATE
CHECKED-REVIEWED	S. BABALIS		
DESIGNS DET AILED	M. DERONSKI		
DESIGNS DET AILED	T. MAYNARD		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE \_\_\_\_\_  
P.E. NUMBER \_\_\_\_\_  
DATE \_\_\_\_\_

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

STP-1824(700)X

WIN  
18247.00  
HIGHWAY PLANS

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.11	CLEARING	11	AC
201.23	REMOVING SINGLE TREE TOP ONLY	31	EA
201.24	REMOVING STUMP	31	EA
202.15	REM MANHOLE OR CATCH BASIN	8	EA
202.202	REMOVING PAVEMENT SURFACE	1,500	SY
203.20	COMMON EXCAVATION	104,500	CY
203.21	ROCK EXCAVATION	16,900	CY
203.211	PRESPLITTING ROCK	9,800	LF
203.213	DRILLING AND BLASTING OF SOLID ROCK SUBGRADE	3,400	SY
203.25	GRANULAR BORROW	5,800	CY
203.33	SPECIAL FILL	50	CY
203.35	CRUSHED STONE 3/4-INCH	180	CY
204.20	ADD SHLD AGG TO EXIST SHLD, PLAN QTY	120	SY
206.061	STR EARTH BELOW GRADE STR	100	CY
206.07	STR ROCK EXC - DR & MINOR STR	250	CY
304.10	AGGR SUBB COURSE - GRAVEL	89,000	CY
403.2081	HOT MIX ASPHALT - 12.5 MM (POLYMER MODIFIED)	7,500	T
403.209	HOT MIX ASPHALT 9.5 MM (INCIDENTALS)	2,280	T
403.211	HOT MIX ASPHALT (SHIM)	50	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	17,100	T
409.15	BITUMINOUS TACK COAT - APPLIED	2,700	G
411.10	UNTREATED AGG. SURFACE COURSE, TRUC MEAS, TYPE A	100	CY
526.30	TEMPORARY CONCRETE BARRIER, TYPE I	1,200	LF
527.34	WORK ZONE CRASH CUSHION	4	UN
603.16	15" CULV PIPE OPTION I	468	LF
603.17	18" CULV PIPE OPTION I	216	LF
603.175	18" RCP CLASS III	124	LF
603.179	18" CULV PIPE OPTION III	264	LF
603.19	24" CULV PIPE OPTION I	34	LF
603.199	24" CULV PIPE OPTION III	124	LF
603.20	30" CULV PIPE OPTION I	48	LF
603.205	30" RCP CLASS III	382	LF
603.209	30" CULV PIPE OPTION III	256	LF
603.215	36" RCP CLASS III	292	LF
603.219	36" CULV PIPE OPTION III	164	LF
603.225	42" RCP CLASS III	72	LF
603.235	48" RCP CLASS III	312	LF
603.245	54" RCP CLASS III	100	LF
603.275	72" RCP CLASS III	104	LF
603.55	CONCRETE PIPE TIES	88	GP
603.78	18" INLET GRATE UNIT	1	EA
603.9131	42" X 28" RC ELLIPTICAL CULVERT PIPE	108	LF
604.092	CATCH BASIN TYPE B1-C	8	EA
604.18	ADJUST MANHOLE OR CB TO GRADE	1	EA
605.09	6" UNDERDRAIN TYPE B	6,500	LF
605.10	6" UNDERDRAIN OUTLET	390	LF
605.13	18" UNDERDRAIN TYPE C	680	LF
606.1301	31" W-BM GR, MID-WAY SPLICE-SGL FACED	9,825	LF
606.1303	31" W-BM GR, MD-WY SPLC-15' RAD & LESS	150	LF
606.1304	31" W-BM GR, MD-WY SPLC-OVER 15' RAD	138	LF
606.1305	31" W-BM GR, MD-WY SPLC FLARED TERM	16	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	44	EA
606.356	UNDERDRAIN DELINEATOR POST	36	EA
606.47	SINGLE WOOD POST	17	EA

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
606.51	MULTIPLE MAILBOX SUPPORT	1	EA
609.31	CURB TYPE 3	2,540	LF
610.08	PLAIN RIPRAP	5,300	CY
610.16	HEAVY RIPRAP	1,300	CY
610.163	SPECIAL RIPRAP	50	CY
610.18	STONE DITCH PROTECTION	600	CY
613.319	EROSION CONTROL BLANKET	12,000	SY
613.4	TURF REINFORCEMENT MAT - (TRM)	6,400	SY
615.07	LOAM	7,000	CY
615.081	COMPOST BLANKET	550	CY
618.13	SEEDING METHOD NUMBER 1	92	UN
618.14	SEEDING METHOD NUMBER 2	1,020	UN
618.146	SEEDING HYDROMULCH MEDIUM	70	UN
619.12	MULCH	1,112	UN
620.54	STABILIZATION/REINFORCEMENT GEOTEXTILE	100	SY
620.56	DRAINAGE GEOTEXTILE	570	SY
620.58	EROSION CONTROL GEOTEXTILE	7,700	SY
627.733	4" WHITE OR YELLOW PAINTED PAVE MRK LINE	70,200	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	160	SF
627.78	TEMP PVMT MARKING LINE, WHITE OR YELLOW	140,400	LF
629.05	HAND LABOR, STRAIGHT TIME	40	HR
631.12	ALL PURPOSE EXCAVATOR (INC OPERATOR)	20	HR
631.121	HVY DUTY ALL-PURP EXC (INC OP)	20	HR
631.13	BULLDOZER (INCLUDING OPERATOR)	20	HR
631.14	GRADER (INCLUDING OPERATOR)	20	HR
631.15	ROLLER EARTH BASE CRS (INC OP)	20	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	80	HR
631.20	STUMP CHIPPER (INC OPERATOR)	50	HR
631.32	CULVERT CLEANER (INC OPERATOR)	50	HR
639.18	FIELD OFFICE TYPE A	0.33	EA
645.103	DEMOUNT GUIDE SIGN	1	EA
645.106	DEMOUNT REG., WARN., CONFIRM, & RTE. MARKER ASSBLY. SIGN	29	EA
645.113	REINSTALL GUIDE SIGN	13	EA
645.116	REINSTALL REG., WARN., CONFIRM, & RTE. MARKER ASSBLY. SIGN	4	EA
645.291	ROADSIDE GUIDE SIGNS TYPE II	60	SF
645.292	REG.WARN.CONF.RT SIGNS TYPE II	410	SF
645.60	ACTUATED DYNAMIC SIGN	1	LS
652.30	FLASHING ARROW BOARD	2	EA
652.33	DRUM	200	EA
652.34	CONE	300	EA
652.35	CONSTRUCTION SIGNS	600	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	494	CD
652.38	FLAGGER	17,200	HR
652.381	TRAFFIC OFFICER	300	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	2	EA
656.75	TEMP SOIL EROSION & WATER POLLUTION CTRL	1	LS
659.10	MOBILIZATION	1	LS
660.21	ON-THE-JOB TRAINING	2,000	HR

**EARTHWORK SUMMARY**  
ALL QUANTITIES ARE IN CUBIC YARDS (CY)

**COMMON EXCAVATION FOR ESTIMATE**

COMMON EXCAVATION (FROM CROSS SECTIONS)	93,932	
EARTH FROM DRIVES, OLD ROAD, ETC.	7,509	
GRUBBING IN FILL	1,979	
MUCK EXCAVATION	230	
PAVEMENT SALVAGE IN FILL	850	
TOTAL COMMON EXCAVATION (for estimate)		104,500

**FILL FOR BORROW CALCULATIONS**

COMMON FILL (FROM CROSS SECTIONS)	22,364	
FILL FOR DRIVES	1,877	
GRUBBING IN FILL	1,979	
MUCK EXCAVATION	230	
PAVEMENT SALVAGE IN FILL	850	
TOTAL FILL		27,300

**ROCK EXCAVATION FOR ESTIMATE**

ROCK EXCAVATION (FROM CROSS SECTIONS)	16,850	
ROCK EXCAVATION (BOULDERS)	50	
TOTAL ROCK EXCAVATION		16,900

**AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS**

(1) TOTAL COMMON EXCAVATION		104,500
DEDUCTIONS:		
GRUBBING IN CUT	13,820	
GRUBBING IN FILL	1,979	
MUCK EXCAVATION	230	
PAVEMENT SALVAGE (CUT & FILL)	9,319	
(2) TOTAL DEDUCTIONS		25,348
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)		79,152
TOTAL AVAILABLE STRUCT. EXCAVATIONS (USUALLY UNDERDRAIN ONLY)		5,810
RIPRAP EXCAVATION		0
TOTAL AVAILABLE NON-ROCK EXCAVATION		84,962

**COMPUTATION OF WASTE STORAGE & WASTE MATERIAL**

TOTAL AVAIL. WASTE STORAGE AREA (FROM CROSS SECTIONS)		0
GRUBBING IN CUT	13,820	
GRUBBING IN FILL	1,979	
MUCK EXCAVATION	230	
TOTAL WASTE MATERIAL TO BE UTILIZED (LOWER OF TOTAL AVAILABLE WASTE STORAGE AREA OR TOTAL WASTE MATERIAL)		0
TOTAL WASTE MATERIAL TO BE WASTED (TOTAL WASTE MATERIAL MINUS TOTAL WASTE MATERIAL TO BE UTILIZED)		16,029

**COMPUTATION OF GRANULAR BORROW FOR ESTIMATE**

GRANULAR BORROW TO REPLACE MUCK	0	
GRANULAR BORROW IN LOW WET AREAS	0	
GRANULAR BORROW USED TO MAINTAIN TRAFFIC	230	
GRANULAR BORROW FOR UNDER CULVERTS	8	
GRANULAR BORROW =	237 x 1.00 =	237

**COMPUTATION FOR COMMON BORROW FOR ESTIMATE**

(3)TOTAL FILL		27,300
TOTAL AVAIL. NON-ROCK EXCAV.	84,962 x 0.90 =	76,465
TOTAL AVAIL. ROCK EXCAV.	16,900 x 1.30 =	21,970
(4)TOTAL AVAILABLE EXCAVATION		98,435

IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL, PLUS TOTAL WASTE MATERIAL TO BE WASTED		87,164
<b>SURPLUS MATERIAL =</b>	<b>87,164</b>	<b>CY</b>

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE	P.E. NUMBER	DATE	FIELD CHANGES
MADRID \ PHILLIPS ROUTE 4 ESTIMATED QUANTITIES				
SHEET NUMBER <b>10</b> OF 532				

Date: 3/25/2019

Username: tygagnon

Division: HIGHWAY

Filename: ... \016\_Construction\_Notes\_3.dgn

PLAIN RIPRAP (INLET/OUTLET PROT.) - ITEM #610.08

\*FILL IN VOIDS WITH UNDERDRAIN BACKFILL MATERIAL TYPE B  
LOCATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists various riprap locations from 504+05 to 738+16.

PLAIN RIPRAP (DOWN SPOUT) - ITEM #610.08

LOCATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists various riprap locations from 514+94 to 725+50.

PLAIN RIPRAP (18" DEPTH) - ITEM #610.08

LOCATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists various riprap locations from 504+05 to 695+50.

PLAIN RIPRAP (RIPRAP APRON) - ITEM #610.08

LOCATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap locations 560+11, 632+00, and 701+15.

PLAIN RIPRAP (UNDER SPECIAL FILL) - ITEM #610.08

LOCATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap locations 618+95 and 618+95.

PLAIN RIPRAP (UNDERDRAIN OUT PROT.) - ITEM #610.08

LOCATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap locations from 581+00 to 743+90.

PLAIN RIPRAP (RIPRAP PLUNGE POOL/SPILLWAY) - ITEM #610.08

LOCATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap locations from 584+05 to 703+88.

PLAIN RIPRAP (ENERGY DISSIPATER) - ITEM #610.08

LOCATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap locations from 504+00 to 630+74.

PLAIN RIPRAP (24" DEPTH) - ITEM #610.08

STATION TO STATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap ranges from 634+50 to 714+25.

PLAIN RIPRAP (TOE KEY) - ITEM #610.08

STATION TO STATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap range 691+61 to 691+86.

PLAIN RIPRAP (VARIABLE DEPTH) - ITEM #610.08

STATION TO STATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap range 573+00 to 576+70.

SPECIAL RIPRAP - ITEM #610.163

LOCATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap location 738+16.

HEAVY RIPRAP (RIPRAP APRON) - ITEM #610.16

LOCATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap location 504+00.

HEAVY RIPRAP (MOOSE EXCLUSION PAD) - ITEM #610.16

STATION TO STATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists riprap ranges from 511+00 to 628+15.

STONE DITCH PROTECTION - ITEM #610.18

STATION TO STATION VOLUME

Table with 4 columns: Station, Location, Direction, Volume. Lists numerous riprap ranges from 501+61 to 733+00.

Vertical sidebar containing project information: STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, STP-1824(700)X, 18247.00, 18247.00, HIGHWAY PLANS, and a table with columns for PROJ. MANAGER, DATE, BY, and SIGNATURE.

MADRID \ PHILLIPS  
ROUTE 4  
CONSTRUCTION NOTES

SHEET NUMBER

16

OF 532

**EROSION CONTROL BLANKET - ITEM #613.319**  
(2% - 5% DITCH SLOPES)

STATION	TO	STATION	AREA
505+37	TO	510+74	LT 302 SY
523+91	TO	526+51	RT 144 SY
524+09	TO	526+51	LT 134 SY
557+44	TO	559+47	LT 113 SY
560+11	TO	561+16	LT 58 SY
560+11	TO	560+14	RT 10 SY
570+95	TO	581+12	LT 565 SY
583+07	TO	583+50	LT 24 SY
584+05	TO	584+50	LT 25 SY
587+42	TO	588+05	LT 35 SY
587+07	TO	587+82	RT 42 SY
593+62	TO	595+71	RT 83 SY
595+04	TO	595+85	LT 31 SY
605+00	TO	606+00	LT 56 SY
609+50	TO	610+50	LT 56 SY
620+64	TO	620+80	RT 9 SY
620+64	TO	622+00	RT 76 SY
631+50	TO	632+00	LT 33 SY
632+50	TO	633+25	LT 42 SY
636+50	TO	638+50	RT 156 SY
639+50	TO	641+50	RT 179 SY
641+50	TO	642+00	RT 35 SY
645+50	TO	646+00	RT 39 SY
650+50	TO	652+00	RT 117 SY
660+75	TO	662+75	LT 156 SY
662+15	TO	662+50	RT 27 SY
665+50	TO	666+00	RT 40 SY
667+00	TO	668+31	RT 75 SY
672+50	TO	675+09	RT 144 SY
701+16	TO	701+50	RT 19 SY
701+50	TO	703+19	RT 94 SY
702+80	TO	703+88	LT 60 SY
703+88	TO	705+50	LT 90 SY
713+50	TO	713+91	LT 23 SY
720+00	TO	720+94	LT 63 SY
720+94	TO	721+61	LT 54 SY
737+00	TO	737+91	LT 53 SY
738+50	TO	739+00	RT 136 SY
740+00	TO	743+50	LT 277 SY

**EROSION CONTROL BLANKET - ITEM #613.319**  
(2:1 SLOPES WITH A SLOPE HEIGHT OF >15' BUT <30')

STATION	TO	STATION	AREA
502+00	TO	503+50	RT 713 SY
514+40	TO	515+15	LT 441 SY
524+50	TO	525+50	RT 436 SY
526+25	TO	528+10	RT 474 SY
527+00	TO	528+00	LT 406 SY
529+85	TO	530+65	LT 377 SY
549+00	TO	550+50	RT 531 SY
559+25	TO	561+00	LT 741 SY
567+90	TO	568+10	LT 80 SY
569+50	TO	572+75	RT 1,344 SY
582+25	TO	584+40	LT 1,089 SY
618+50	TO	619+00	LT 164 SY
643+25	TO	643+75	RT 178 SY
656+00	TO	657+00	LT 282 SY
680+75	TO	681+25	RT 111 SY
691+00	TO	692+00	RT 440 SY
701+00	TO	701+25	RT 68 SY
733+40	TO	733+90	LT 193 SY
738+50	TO	739+00	LT 178 SY

**TURF REINFORCEMENT MAT - ITEM #613.40**

STATION	TO	STATION	AREA
501+50	TO	502+00	RT 338 SY
552+00	TO	559+25	LT 2,761 SY
578+25	TO	582+25	LT 3,227 SY

**COMPOST BLANKET - ITEM #615.081**  
3" DEPTH

STATION	TO	STATION	VOLUME
501+50	TO	502+00	RT 28 CY
552+00	TO	559+25	LT 230 CY
578+25	TO	582+25	LT 269 CY

**SEEDING METHOD NUMBER 1 - ITEM #618.13**

STATION	TO	STATION	STATION	TO	STATION
593+75	TO	597+91	LT	593+75	TO 595+50 RT
612+30	TO	613+87	LT	603+28	TO 609+50 RT
623+38	TO	625+29	LT	627+80	TO 628+03 RT
642+50	TO	650+71	LT	628+19	TO 630+41 RT
658+64	TO	662+00	LT	630+66	TO 632+89 RT
677+14	TO	682+19	LT	638+52	TO 640+00 RT
685+68	TO	688+00	LT	646+37	TO 648+73 RT
				655+09	TO 656+23 RT
				657+75	TO 661+02 RT
				663+64	TO 665+00 RT
				669+00	TO 672+04 RT
				704+21	TO 705+50 RT

**SEEDING METHOD NUMBER 2 - ITEM #618.14**

STATION	TO	STATION	STATION	TO	STATION
501+00	TO	588+20	LT	501+00	TO 501+50 RT
597+91	TO	612+30	LT	502+00	TO 572+00 RT
613+87	TO	623+38	LT	576+75	TO 588+25 RT
625+60	TO	642+50	LT	595+50	TO 603+28 RT
651+00	TO	652+75	LT	609+50	TO 628+04 RT
653+00	TO	658+51	LT	630+16	TO 630+49 RT
662+00	TO	677+14	LT	632+92	TO 638+50 RT
682+19	TO	685+68	LT	640+00	TO 646+29 RT
688+00	TO	705+50	LT	648+77	TO 654+40 RT
713+50	TO	743+91	LT	656+23	TO 657+75 RT
				661+30	TO 663+33 RT
				665+02	TO 668+96 RT
				672+28	TO 704+04 RT
				713+50	TO 743+75 RT

**SEEDING HYDROMULCH MEDIUM - ITEM #618.146**

STATION	TO	STATION	STATION	TO	STATION
552+00	TO	559+25	LT	501+50	TO 502+00 RT
578+25	TO	582+25	LT	572+00	TO 576+75 RT

PROJ. MANAGER	E. MARTIN	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	S. BABALIS					
CHECKED-REVIEWED						
DESIGN-DETAILED	M. DEROWSKA					
DESIGN-DETAILED	J. MAYNARD					
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

MADRID \ PHILLIPS  
ROUTE 4  
CONSTRUCTION NOTES

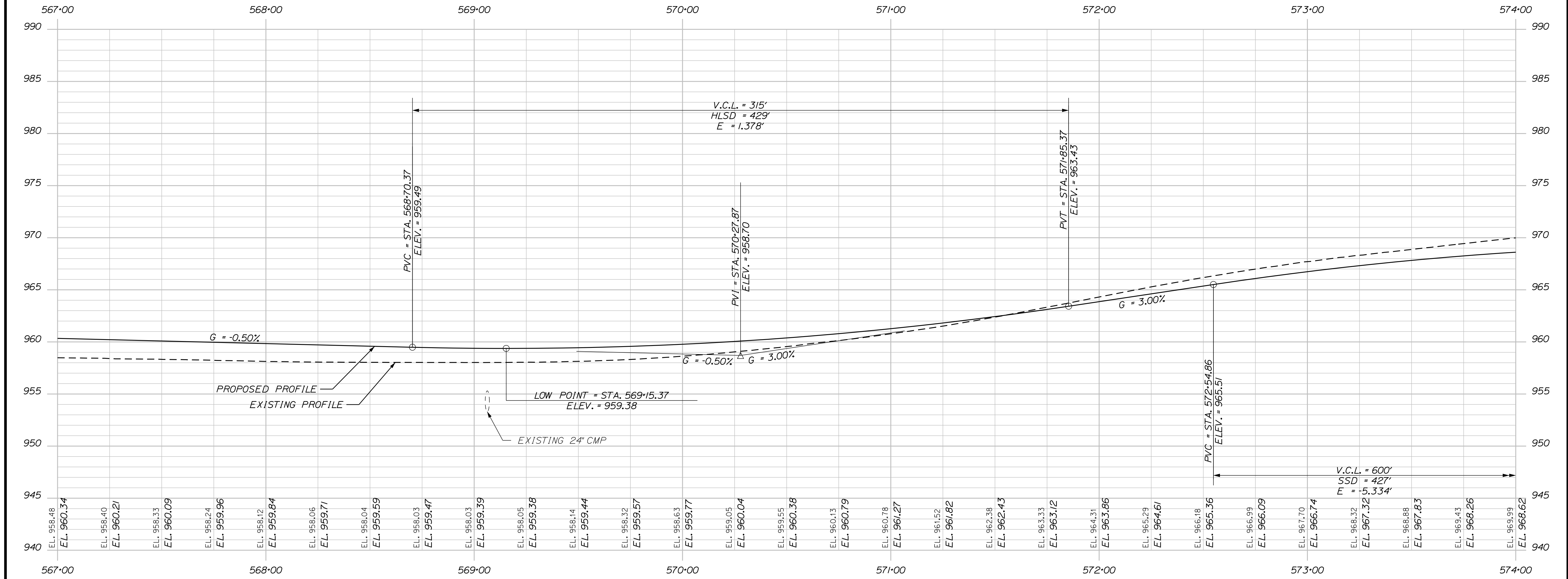
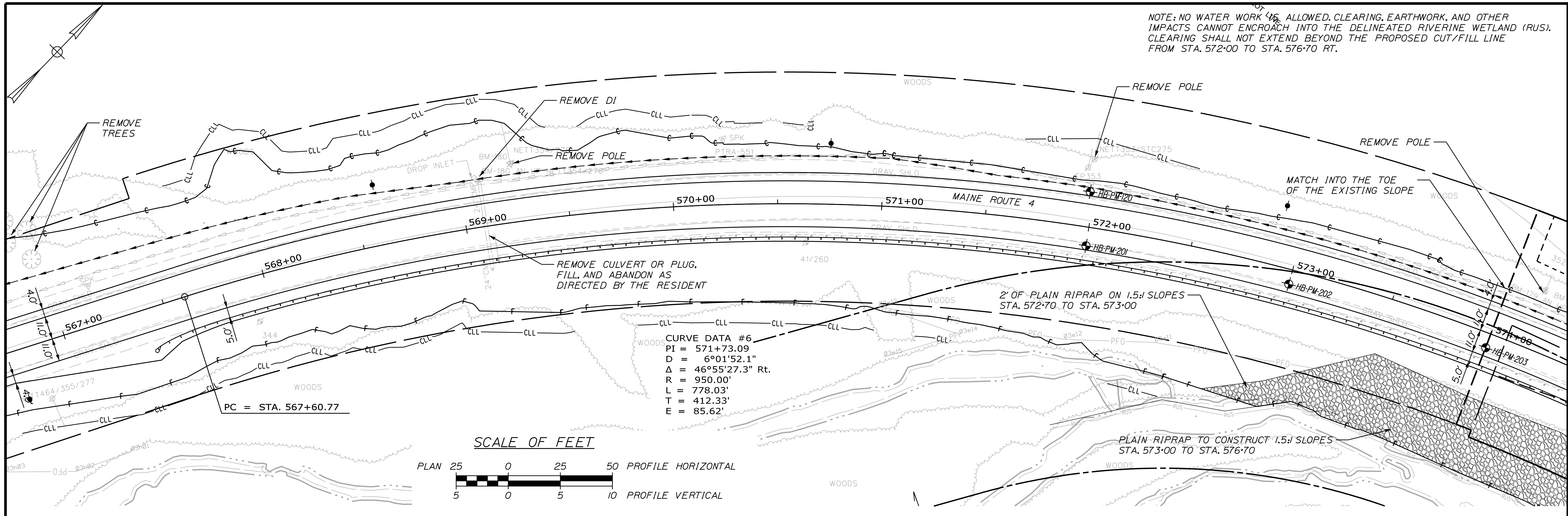
Date: 3/26/2019

Username: mdebowski

Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA034\_HDPlan1.dgn

NOTE: NO WATER WORK IS ALLOWED. CLEARING, EARTHWORK, AND OTHER IMPACTS CANNOT ENCROACH INTO THE DELINEATED RIVERINE WETLAND (RUS). CLEARING SHALL NOT EXTEND BEYOND THE PROPOSED CUT/FILL LINE FROM STA. 572+00 TO STA. 576+70 RT.



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
STP-1824(700)X  
WIN 18247.00  
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE
E. MARTIN		
DESIGN-DETAILED	S. BABALIS	
CHECKED-REVIEWED		
DESIGNS DET. AILED	M. DEROWSKI	
DESIGNS DET. AILED	I. MAYNARD	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

MADRID \ PHILLIPS  
ROUTE 4  
PLANS

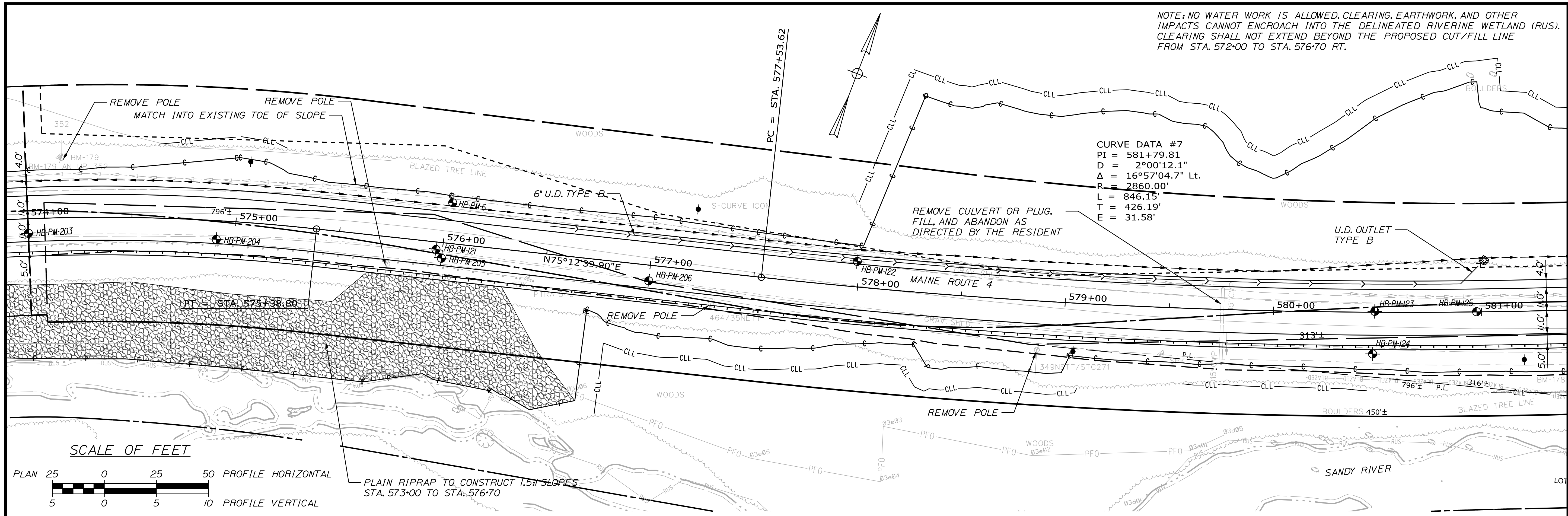
SHEET NUMBER  
**34**  
OF 532

Date: 3/26/2019

Username: mdebowski

Division: HIGHWAY

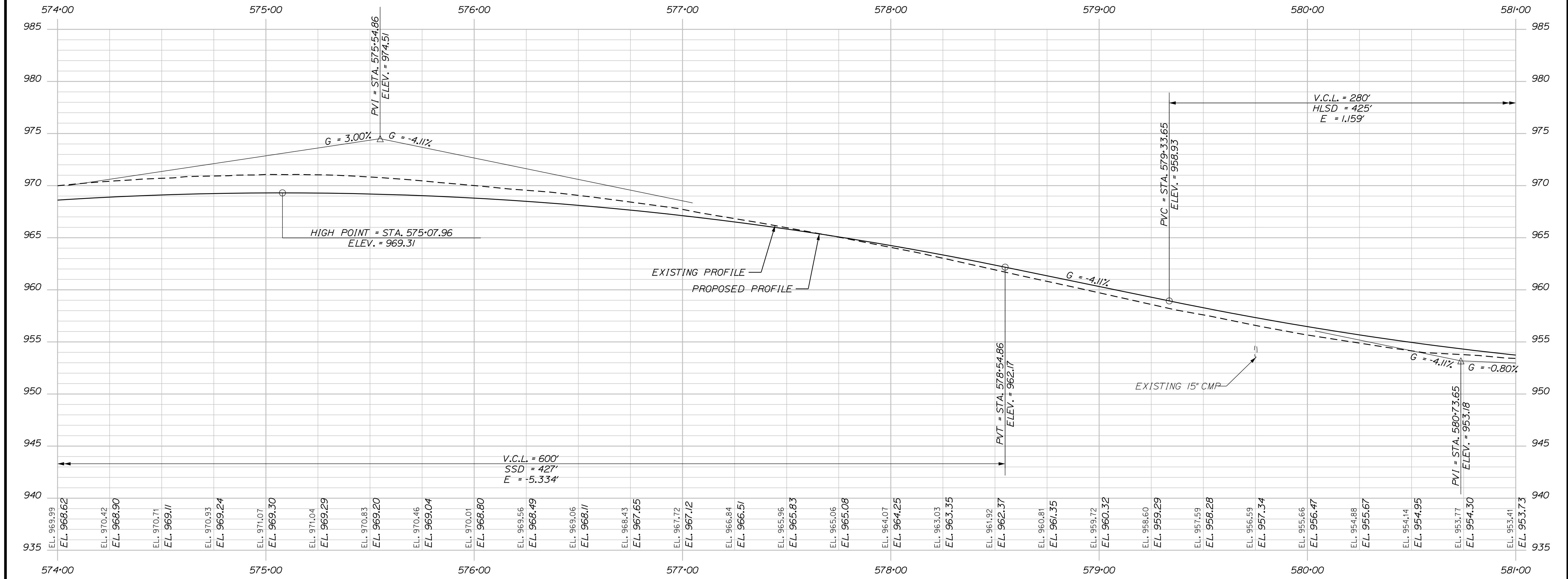
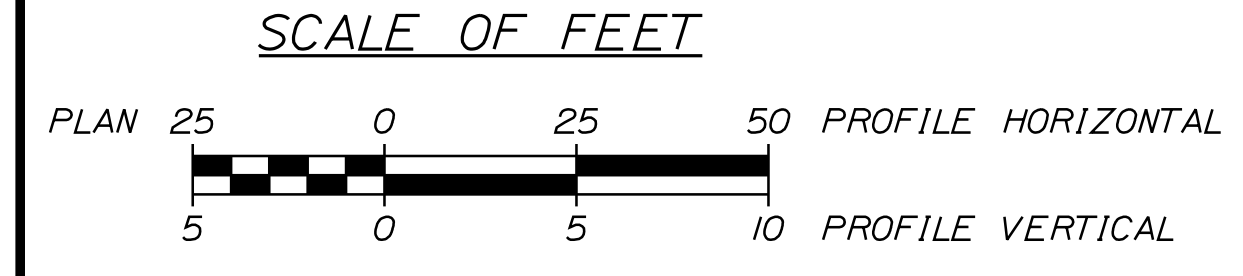
Filename: ... \HIGHWAY\MSTA035\_HDPlan12.dgn



NOTE: NO WATER WORK IS ALLOWED. CLEARING, EARTHWORK, AND OTHER IMPACTS CANNOT ENCR OACH INTO THE DELINEATED RIVERINE WETLAND (RUS). CLEARING SHALL NOT EXTEND BEYOND THE PROPOSED CUT/FILL LINE FROM STA. 572+00 TO STA. 576+70 RT.

CURVE DATA #7

PI	= 581+79.81
D	= 2°00'12.1"
Δ	= 16°57'04.7" Lt.
R	= 2860.00'
L	= 846.15'
T	= 426.19'
E	= 31.58'



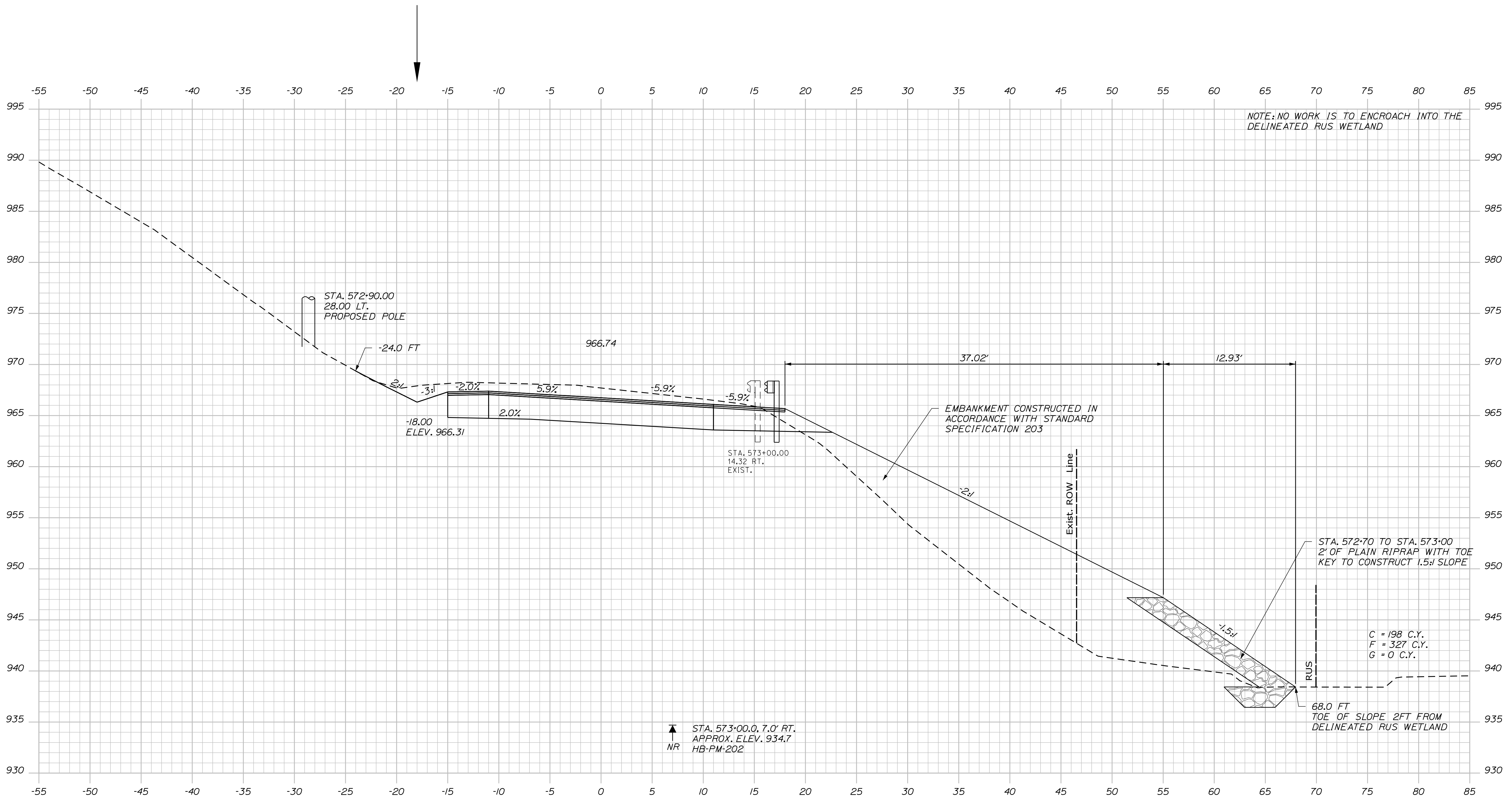
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
STP-1824(700)X		WIN 18247.00 HIGHWAY PLANS	
PROJ. MANAGER	E. MARTIN	DATE	
CHECKED/REVIEWED	S. BABALIS	BY	
DESIGNED/DETAILED	M. DEROWSKA	SIGNATURE	
DESIGNED/DETAILED	T. MAYNARD	P.E. NUMBER	
REVISIONS 1		DATE	
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
MADRID \ PHILLIPS ROUTE 4 PLANS			
SHEET NUMBER <b>35</b> OF 532			



Date: 3/26/2019

Username: mdebowski

Filename: ... \MSTA\157\_XSECT\_573+00\_090.dgn Division: HIGHWAY



▲ STA. 573+00.0, 7.0' RT.  
 APPROX. ELEV. 934.7  
 NR HB-PM-202

NOTE: NO WORK IS TO ENCROACH INTO THE  
 DELINEATED RUS WETLAND

573+00.00

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 STP-1824(700)X  
 WIN 18247.00  
 HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	S. BABALIS		
CHECKED/REVIEWED	M. DEROWSK		
DESIGN/DET AILED	J. MAYNARD		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MADRID \ PHILLIPS  
 ROUTE 4  
 CROSS SECTIONS

SHEET NUMBER  
 157  
 OF 532

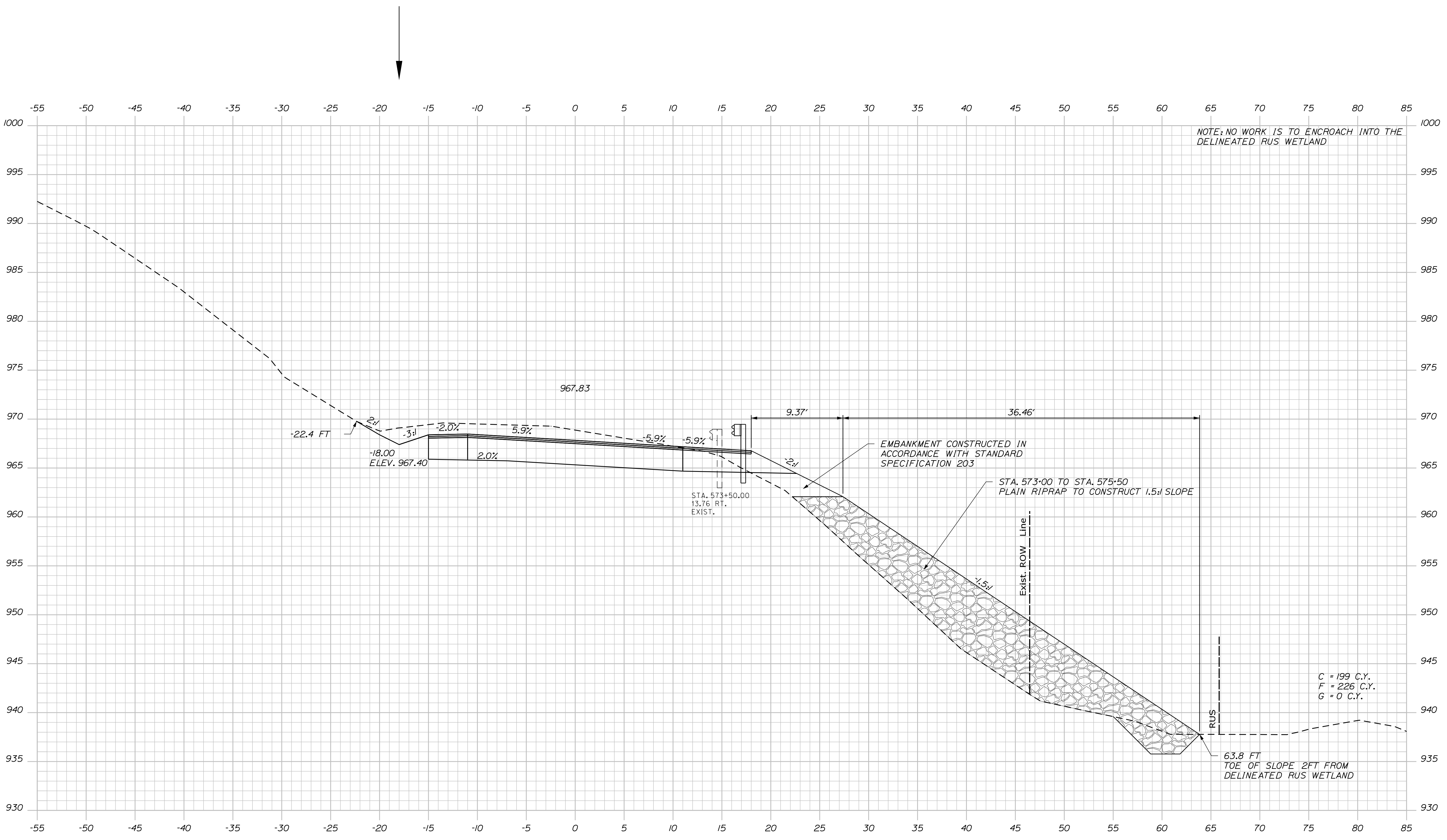
Sta. 573+00.00 to Sta. 573+00.00

Date: 3/26/2019

Username: mdebowski

Division: HIGHWAY

Filename: ... \MSTA\158\_XSECT\_573+50\_091.dgn



573+50.00

Sta. 573+50.00 to Sta. 573+50.00

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 STP-1824(700)X  
 WIN  
 18247.00  
 HIGHWAY PLANS

PROJ. MANAGER	BY	DATE
E. MARTIN		
DESIGN DETAILED	S. BABALIS	
CHECKED/REVIEWED		
DESIGN DETAILED	M. DEROWSK	
DESIGN DETAILED	J. MAYNARD	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

MADRID \ PHILLIPS  
 ROUTE 4  
 CROSS SECTIONS

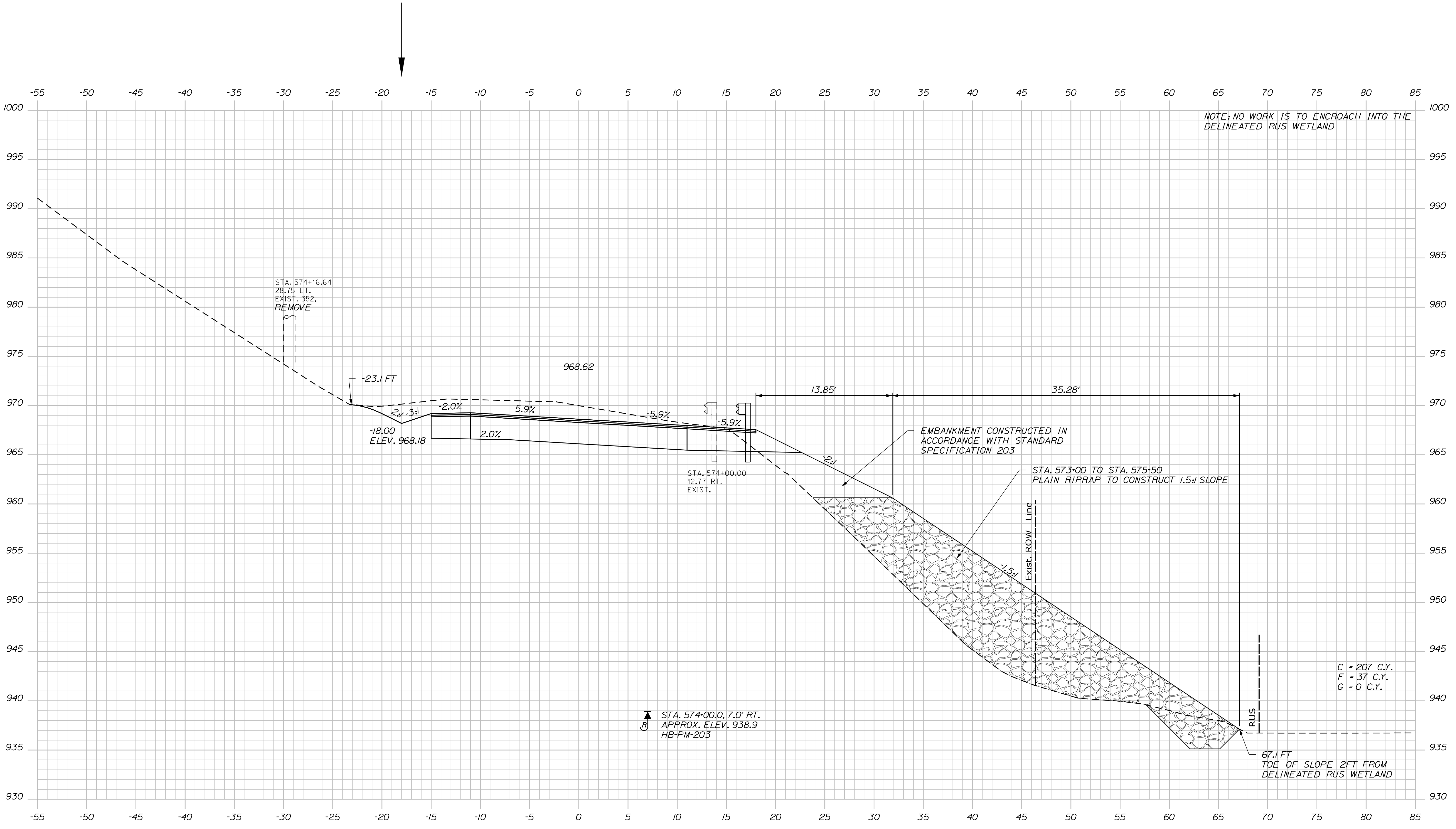
SHEET NUMBER  
**158**  
 OF 532

Date: 3/26/2019

Username: mdebowski

Division: HIGHWAY

Filename: ... \MSTA\159\_XSECT\_574+00\_092.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
STP-1824(700)X  
WIN  
18247.00  
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	S. BABALIS		
DESIGN DETAILED	M. DEROWSK		
CHECKED-REVIEWED	J. MAYNARD		
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MADRID \ PHILLIPS  
ROUTE 4  
CROSS SECTIONS

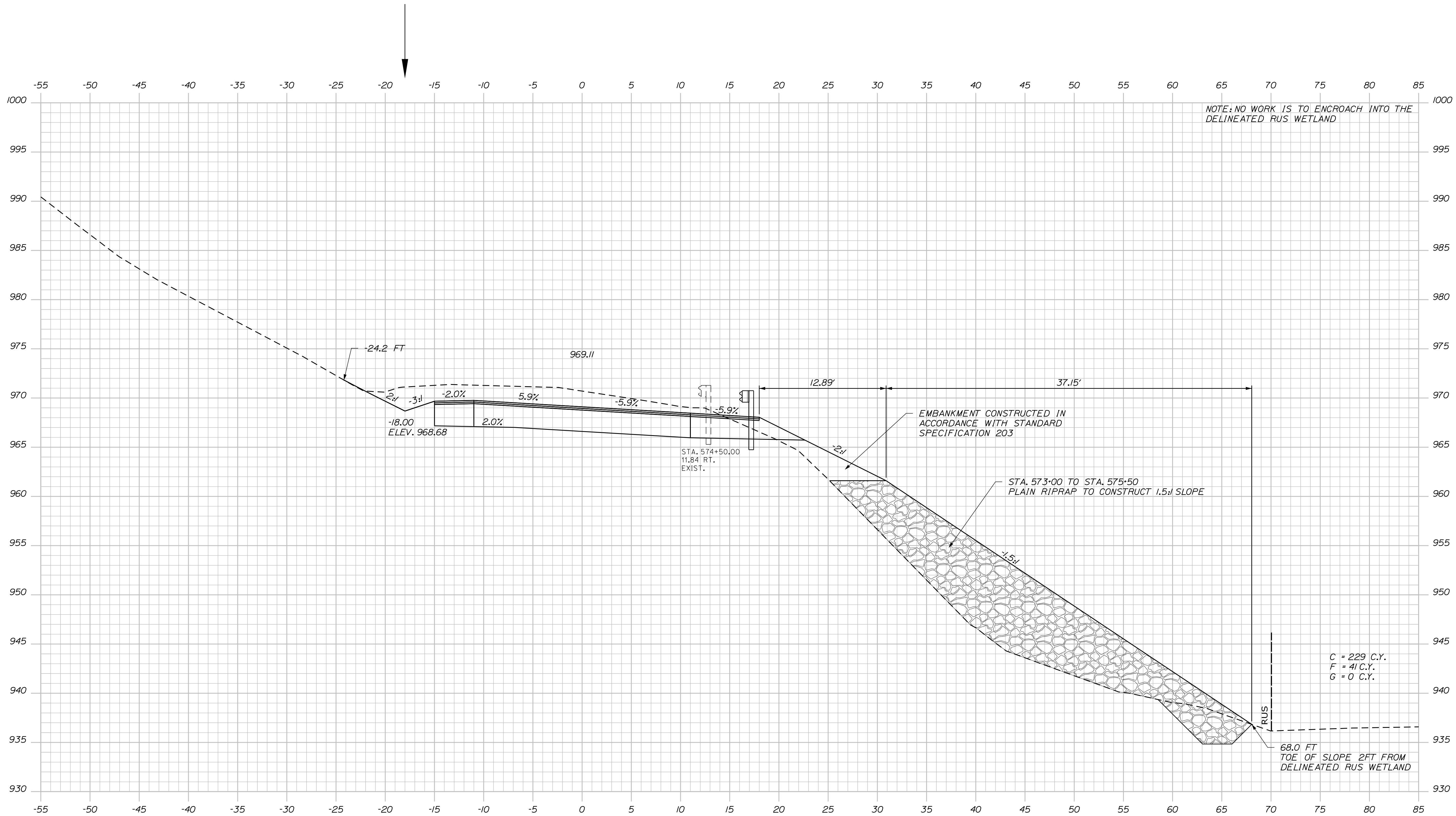
SHEET NUMBER  
**159**  
OF 532

Date: 3/26/2019

Username: mdebowski

Division: HIGHWAY

Filename: ... \MSTA\160\_XSECT\_574+50\_093.dgn



574+50.00

Sta. 574+50.00 to Sta. 574+50.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
STP-1824(700)X  
WIN  
18247.00  
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	S. BABALIS		
DESIGN DETAILED			
CHECKED/REVIEWED	M. DEROWSK		
DESIGN DETAILED	J. MAYNARD		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MADRID \ PHILLIPS  
ROUTE 4  
CROSS SECTIONS

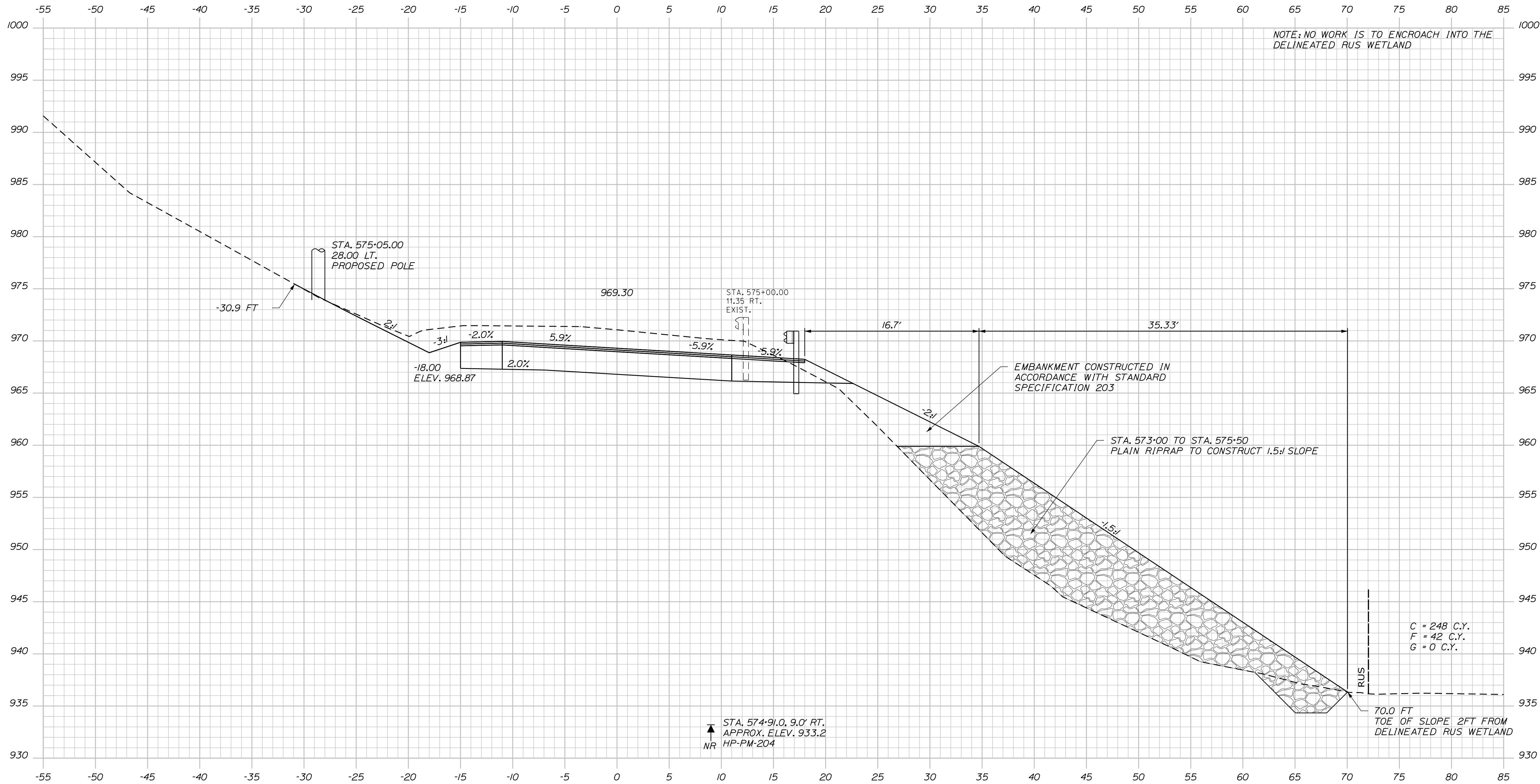
SHEET NUMBER  
**160**  
OF 532

Date: 3/26/2019

Username: mdebowski

Division: HIGHWAY

Filename: ... \MSTA\161\_XSECT\_575+00\_094.dgn



↑ STA. 574+91.0, 9.0' RT.  
 APPROX. ELEV. 933.2  
 NR HP-PM-204

575+00.00

NOTE: NO WORK IS TO ENCROACH INTO THE DELINEATED RUS WETLAND

C = 248 C.Y.  
 F = 42 C.Y.  
 G = 0 C.Y.

70.0 FT  
 TOE OF SLOPE 2FT FROM  
 DELINEATED RUS WETLAND

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 STP-1824(700)X  
 WIN 18247.00  
 HIGHWAY PLANS

PROJ. MANAGER	BY	DATE
E. MARTIN		
DESIGN DETAILED	S. BABALIS	
CHECKED/REVIEWED		
DESIGN DETAILED	M. DEROWSK	
DESIGN DETAILED	J. MAYNARD	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

MADRID \ PHILLIPS  
 ROUTE 4  
 CROSS SECTIONS

SHEET NUMBER  
 161  
 OF 532

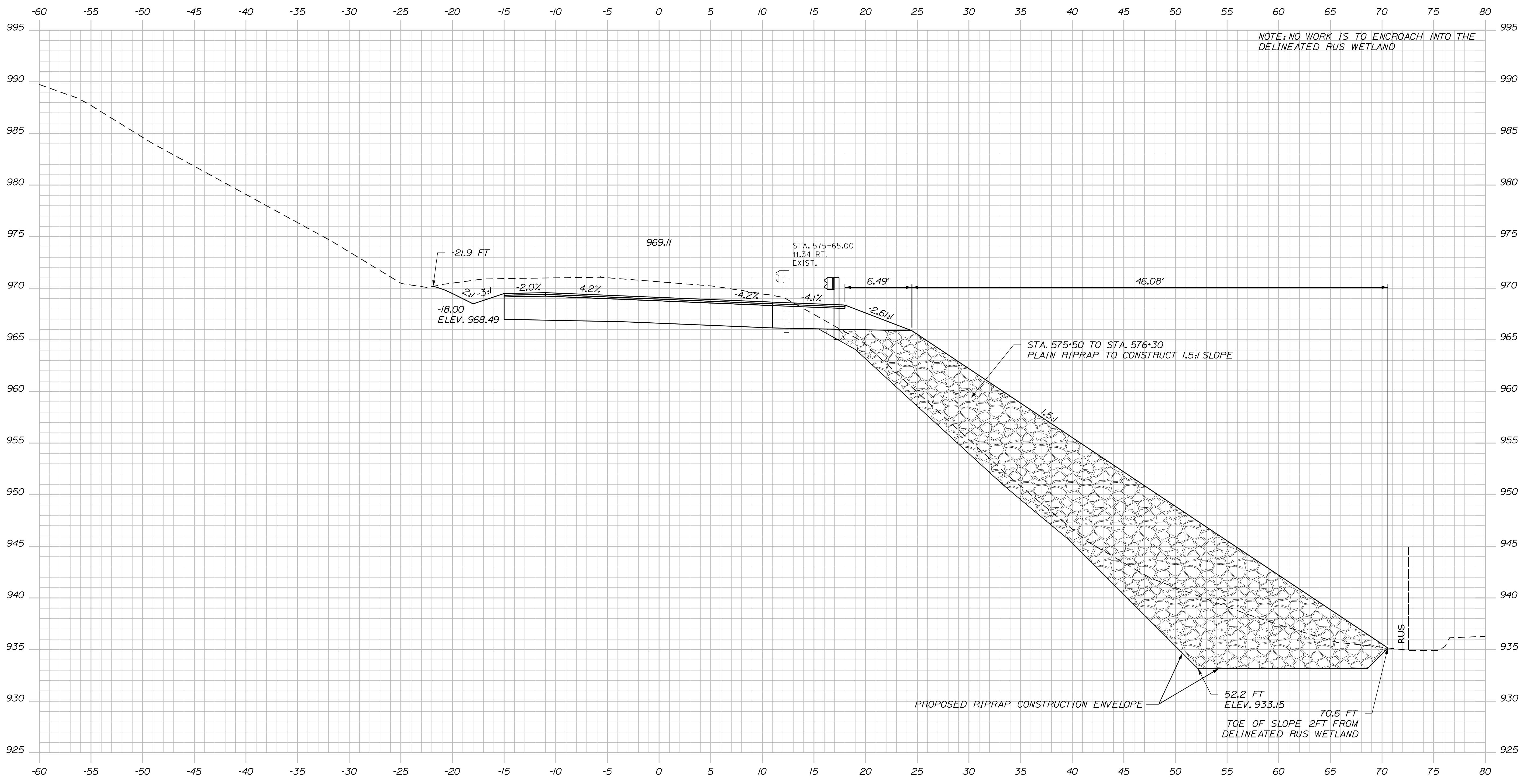
Sta. 575+00.00 to Sta. 575+00.00



Date: 3/26/2019

Username: mdebowski

Filename: ... \MSTA\163\_XSECT\_575+65\_096.dgn Division: HIGHWAY



575+65.00 (SPECIAL SECTION)

Sta. 575+65.00 to Sta. 575+65.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
STP-1824(700)X  
WIN  
18247.00  
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	S. BABALIS		
DESIGN/DETAILED			
CHECKED/REVIEWED	M. DEROWSKI		
DESIGN/DETAILED	J. MAYNARD		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MADRID \ PHILLIPS  
ROUTE 4  
CROSS SECTIONS

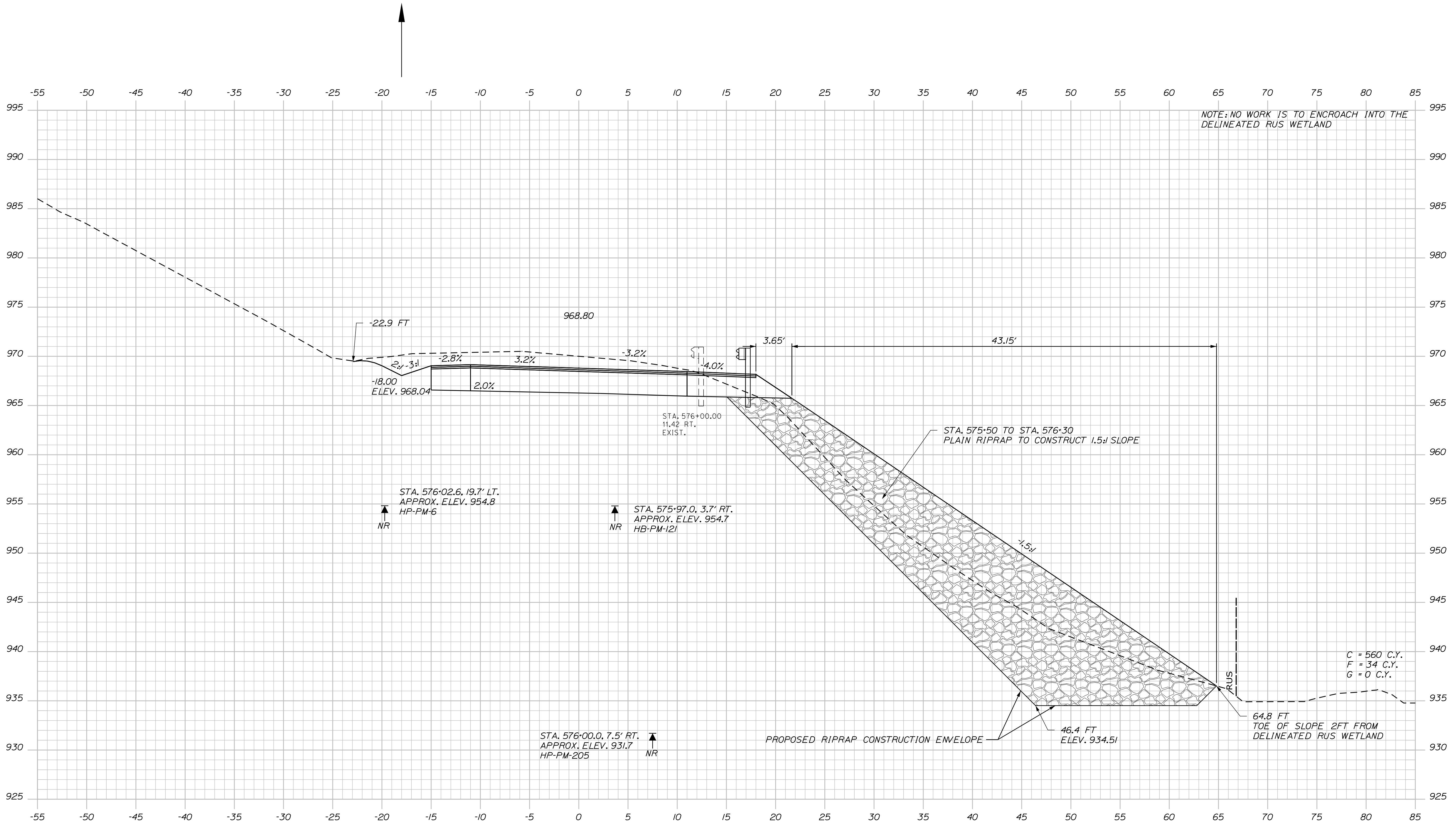
SHEET NUMBER  
**163**  
OF 532

Date: 3/26/2019

Username: mdebowski

Division: HIGHWAY

Filename: ... \MSTA\164\_XSECT\_576+00\_097.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
STP-1824(700)X  
WIN  
18247.00  
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	S. BABALIS		
DESIGN DETAILED			
CHECKED/REVIEWED			
DESIGN DETAILED			
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MADRID \ PHILLIPS  
ROUTE 4  
CROSS SECTIONS

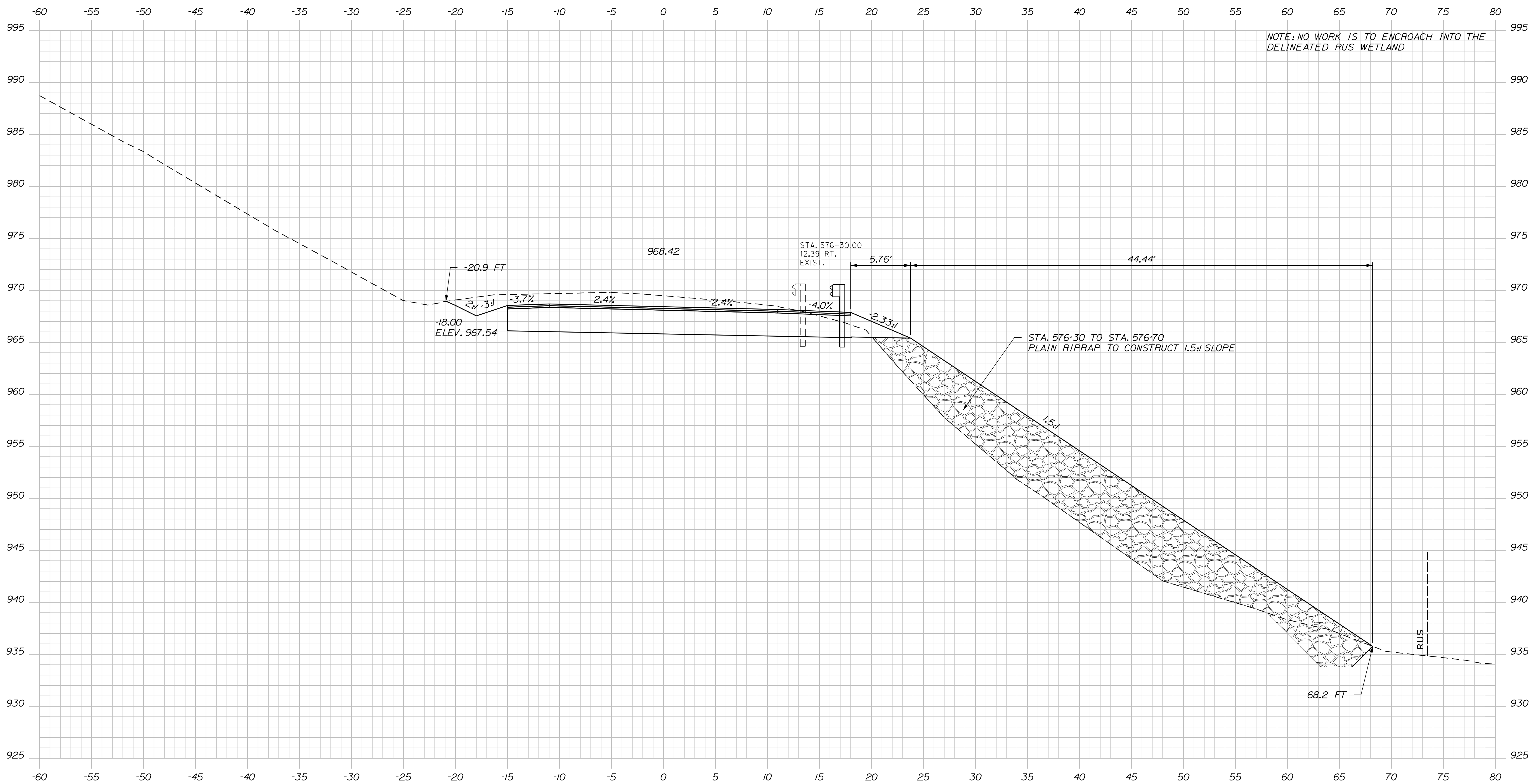
SHEET NUMBER  
**164**  
OF 532

Sta. 576+00.00 to Sta. 576+00.00

Date: 3/26/2019

Username: mdebowski

Filename: ... \MSTA\165\_XSECT\_576+30\_098.dgn Division: HIGHWAY



576+30.00 (SPECIAL SECTION)

Sta. 576+30.00 to Sta. 576+30.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
STP-1824(700)X  
WIN  
18247.00  
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	S. BABALIS		
DESIGN DETAILED			
CHECKED/REVIEWED			
DESIGN DETAILED	M. DEROWSKI		
DESIGN DETAILED	J. MAYNARD		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

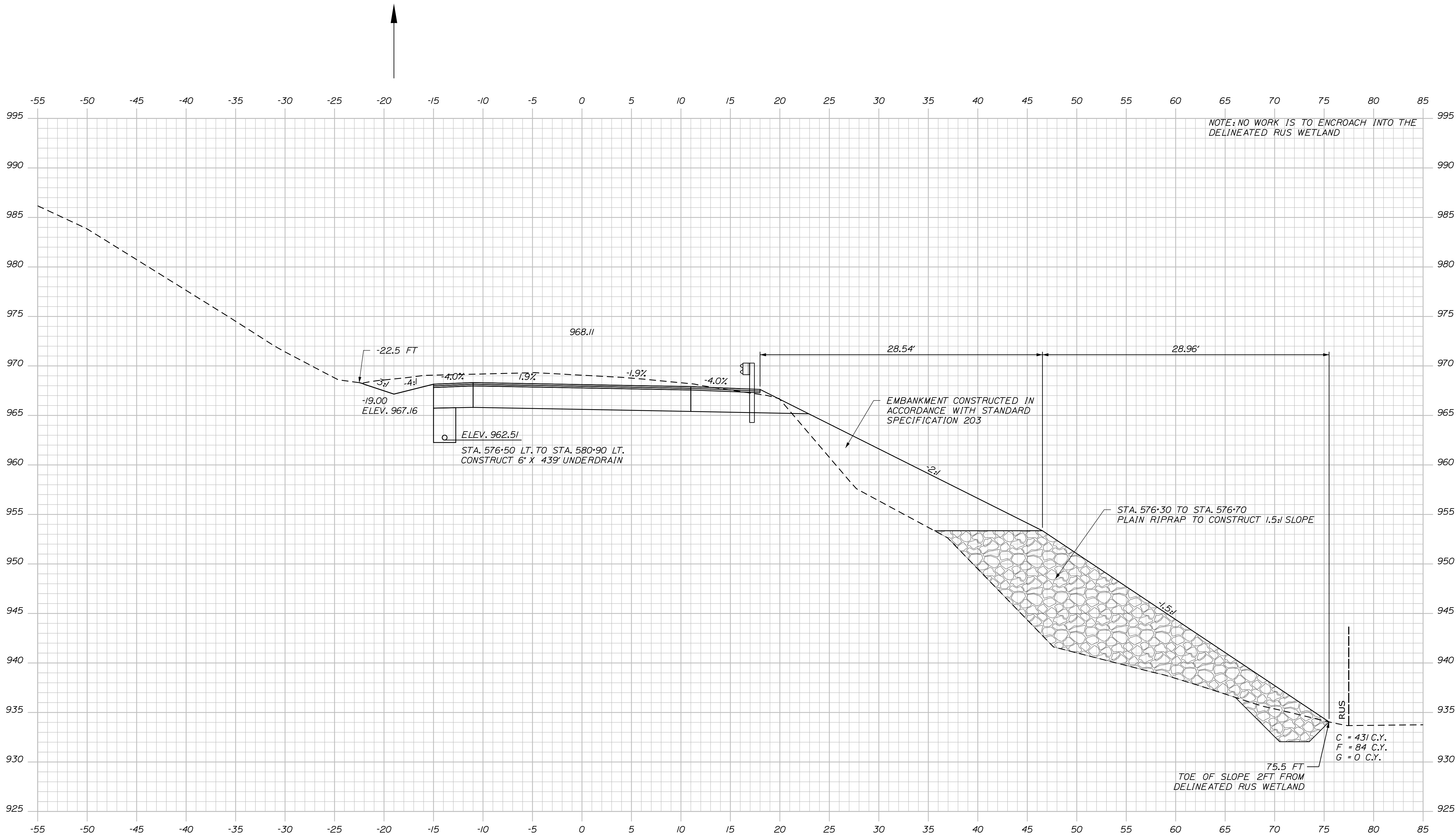
MADRID \ PHILLIPS  
ROUTE 4  
CROSS SECTIONS

SHEET NUMBER  
**165**  
OF 532

Date: 3/26/2019

Username: mdebowski

Filename: ... \MSTA\166\_XSECT\_576+50\_099.dgn Division: HIGHWAY



576+50.00

Sta. 576+50.00 to Sta. 576+50.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
STP-1824(700)X  
WIN  
18247.00  
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	S. BABALIS		
CHECKED/REVIEWED	M. DEROWSKI		
DESIGN/DETAILS	J. MAYNARD		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

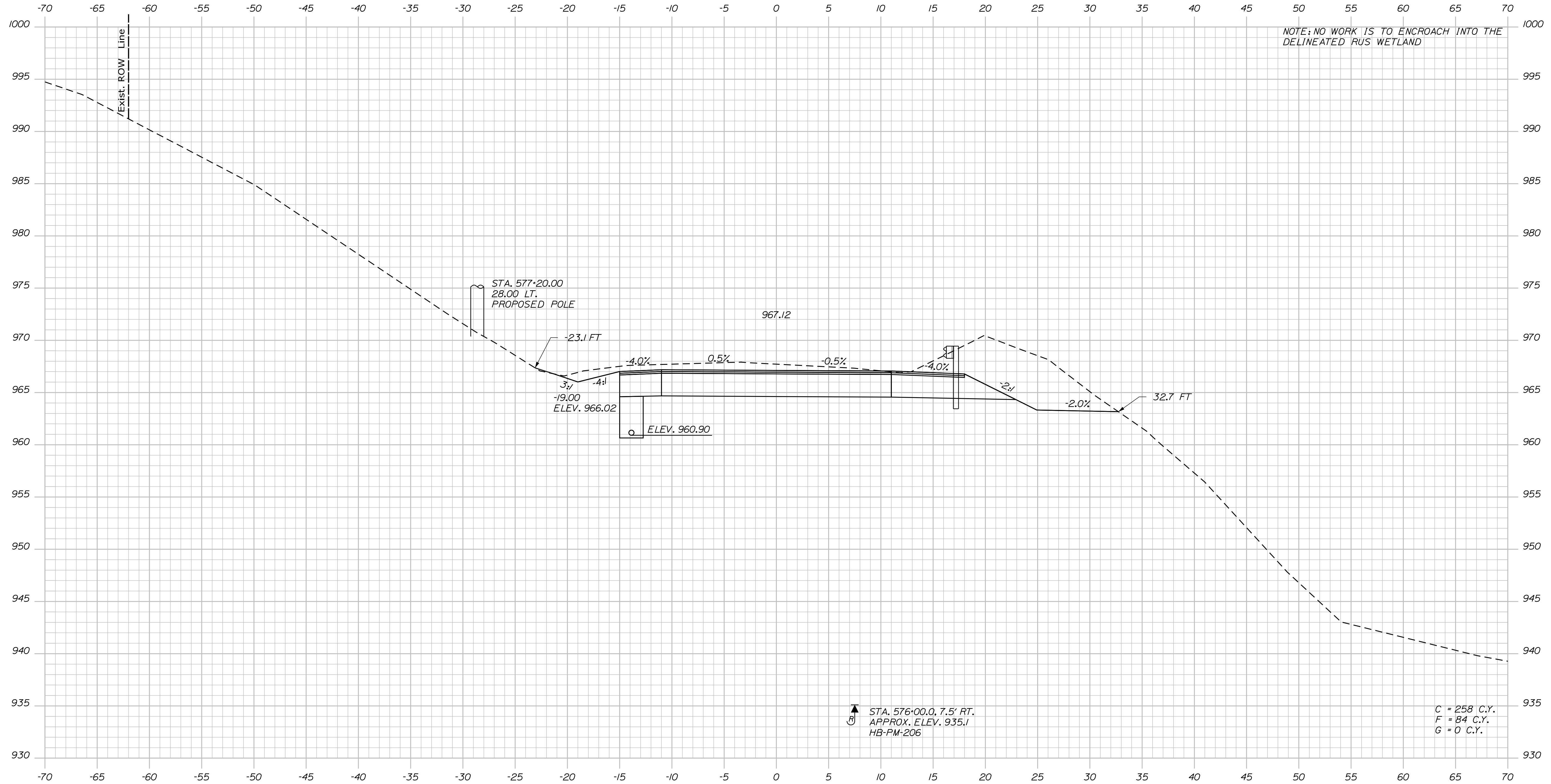
MADRID \ PHILLIPS  
ROUTE 4  
CROSS SECTIONS

SHEET NUMBER  
**166**  
OF 532

Date: 3/25/2019

Username: tygagnon

Filename: ... \MSTA\167\_XSECT\_577+00\_100.dgn Division: HIGHWAY



577+00.00

C = 258 C.Y.  
F = 84 C.Y.  
G = 0 C.Y.

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
STP-1824(700)X  
WIN  
18247.00  
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
E. MARTIN	S. BABALIS				
DESIGN DETAILED	CHECKED/REVIEWED				
DESIGN DETAILED	DESIGN DETAILED				
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

MADRID \ PHILLIPS  
ROUTE 4  
CROSS SECTIONS

SHEET NUMBER  
**167**  
OF 532