



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

March 11, 2025
Subject: Roundabout Construction
State WIN: 026019.00
Location: **Damariscotta**
Amendment No. 2

Dear Sir/Ms.:

In the contract bid book:

REMOVE the Schedule of Items in Amendment #1, 8 pages dated 2/27/2025 and **REPLACE** with the attached Schedule of Items, 8 pages dated 3/10/2025.

In the plan sheets:

REMOVE Plan Sheet 5, "Estimated Quantities" dated 02/27/2025 in Amendment #1 and **REPLACE** with the attached revised Plan Sheet 5, "Estimated Quantities" dated 03/10/2025.

REMOVE Plan Sheets 17, 18, 19, 20, "Lighting Plans" dated 01/27/2025 and **REPLACE** with the attached revised Plan Sheets 17, 18, 19, 20, "Lighting Plans" dated 03/10/2025.

REMOVE Plan Sheet 25, "Lighting Notes & Details" dated 01/27/2025 and **REPLACE** with the attached revised Plan Sheet 25, "Lighting Notes & Details" dated 03/10/2025.

The following questions have been received:

Question: Sheet 25 states that all conduit under roads will be PVC coated RMC. Which pay item will this fall under?

Response: 626.251 Non-Metallic Under Pavement Conduit Linear Foot (Schedule 80 or greater rating)

-We are fine with SCh 80 PVC (no RMC) under the road. There shall also be no underground splices or splices in junction boxes. All splices will take place in poles. Please see the revised SOI and Plan sheets dated 3/10/25.

Question: The plans call for #12 THHN wire from the control cabinet to the light fixtures. Has voltage drop been taken into consideration?

Response: Plans mistakenly call for #12 THHN. Update wire to use #8 THWN wire from control cabinet to light base. Please see the revised Plan sheets dated 3/10/25.

Question: Under which pay item will the wire fall?

Response: Payment for wiring is included under Item 634.160: Highway Lighting.

Consider these changes and information prior to submitting your bid on **March 19, 2025**.

Sincerely,

Kevin Hanlon for

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

3/10/2025

Maine Department of Transportation

Proposal Schedule of Items

Page 1 of 8

Proposal ID: 026019.00

Project(s): 026019.00

SECTION: 1 HIGHWAY 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	201.23 REMOVING SINGLE TREE TOP ONLY	7.000 EA	_____	_____	_____	_____
0020	201.24 REMOVING STUMP	7.000 EA	_____	_____	_____	_____
0030	203.20 COMMON EXCAVATION	6,458.000 CY	_____	_____	_____	_____
0040	203.21 ROCK EXCAVATION	325.000 CY	_____	_____	_____	_____
0050	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	5,500.000 CY	_____	_____	_____	_____
0060	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	690.000 T	_____	_____	_____	_____
0070	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	170.000 T	_____	_____	_____	_____
0080	403.213 HOT MIX ASPHALT 12.5 MM BASE	1,980.000 T	_____	_____	_____	_____
0090	409.15 BITUMINOUS TACK COAT - APPLIED	610.000 G	_____	_____	_____	_____
0100	502.342 STRUCTURAL CONCRETE ROADWAY TRUCK APRON	120.000 CY	_____	_____	_____	_____
0110	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	325.000 LF	_____	_____	_____	_____
0120	603.179 18 INCH CULVERT PIPE OPTION III	50.000 LF	_____	_____	_____	_____

3/10/2025

Maine Department of Transportation

Proposal Schedule of Items

Page 2 of 8

Proposal ID: 026019.00

Project(s): 026019.00

SECTION: 1 HIGHWAY 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	603.55 CONCRETE PIPE TIES	8.000 GP	_____	_____	_____	_____
0140	604.092 CATCH BASIN TYPE B1-C	9.000 EA	_____	_____	_____	_____
0150	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	125.000 LF	_____	_____	_____	_____
0160	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	1.000 EA	_____	_____	_____	_____
0170	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	2.000 EA	_____	_____	_____	_____
0180	609.21 CONCRETE SLIPFORM CURB	2,950.000 LF	_____	_____	_____	_____
0190	609.219 CONCRETE SLIPFORM CURB - TERMINAL END	32.000 LF	_____	_____	_____	_____
0200	609.341 CURB TYPE 5 - TRUCK APRON	365.000 LF	_____	_____	_____	_____
0210	610.08 PLAIN RIPRAP	43.000 CY	_____	_____	_____	_____
0220	610.18 STONE DITCH PROTECTION	165.000 CY	_____	_____	_____	_____
0230	613.319 EROSION CONTROL BLANKET	970.000 SY	_____	_____	_____	_____
0240	615.07 LOAM	330.000 CY	_____	_____	_____	_____

3/10/2025

Maine Department of Transportation

Proposal Schedule of Items

Page 3 of 8

Proposal ID: 026019.00

Project(s): 026019.00

SECTION: 1 HIGHWAY 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
0250	615.081 COMPOST BLANKET	395.000 CY	_____	_____	_____	_____
0260	615.10 DIRTY BORROW	50.000 CY	_____	_____	_____	_____
0270	618.13 SEEDING METHOD NUMBER 1	20.000 UN	_____	_____	_____	_____
0280	618.14 SEEDING METHOD NUMBER 2	15.000 UN	_____	_____	_____	_____
0290	619.12 MULCH	35.000 UN	_____	_____	_____	_____
0300	619.13 BARK MULCH	10.000 CY	_____	_____	_____	_____
0310	620.58 EROSION CONTROL GEOTEXTILE	86.000 SY	_____	_____	_____	_____
0320	621.031 EVERGREEN TREES (4 FOOT - 5 FOOT) GROUP A	5.000 EA	_____	_____	_____	_____
0330	621.037 EVERGREEN TREES (5 FOOT - 6 FOOT) GROUP A	5.000 EA	_____	_____	_____	_____
0340	621.043 EVERGREEN TREES (6 FOOT - 8 FOOT) GROUP A	3.000 EA	_____	_____	_____	_____
0350	621.046 EVERGREEN TR (8' - 10') GP A	1.000 EA	_____	_____	_____	_____
0360	621.101 PLUG/ STARTER PLANT	1,250.000 EA	_____	_____	_____	_____

3/10/2025

Maine Department of Transportation

Proposal Schedule of Items

Page 4 of 8

Proposal ID: 026019.00

Project(s): 026019.00

SECTION: 1 HIGHWAY 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
0370	621.396 EVERGREENS (18 INCH - 24 INCH) GROUP B	90.000 EA	_____	 _____	_____	 _____
0380	621.402 EVERGREENS (2 FOOT - 2.50 FOOT) GROUP B	24.000 EA	_____	 _____	_____	 _____
0390	621.408 EVERGREENS (2.50 FOOT - 3 FOOT) GROUP B	12.000 EA	_____	 _____	_____	 _____
0400	621.54 DECIDUOUS SHRUBS (18 INCH - 24 INCH) GROUP A	80.000 EA	_____	 _____	_____	 _____
0410	621.546 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	90.000 EA	_____	 _____	_____	 _____
0420	621.552 DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP A	20.000 EA	_____	 _____	_____	 _____
0430	621.558 DECIDUOUS SHRUBS (4 FOOT - 5 FOOT) GROUP A	8.000 EA	_____	 _____	_____	 _____
0440	621.71 HERBACEOUS PERENNIALS GROUP A	650.000 EA	_____	 _____	_____	 _____
0450	621.80 ESTABLISHMENT PERIOD	LUMP SUM		 LUMP SUM	_____	 _____
0460	626.11 PRECAST CONCRETE JUNCTION BOX	15.000 EA	_____	 _____	_____	 _____
0470	626.22 NON-METALLIC CONDUIT	1,630.000 LF	_____	 _____	_____	 _____

3/10/2025

Maine Department of Transportation

Proposal Schedule of Items

Page 5 of 8

Proposal ID: 026019.00

Project(s): 026019.00

SECTION: 1 HIGHWAY 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
0475	626.251 NON-METALLIC UNDER PAVEMENT CONDUIT (SCHEDULE 80 OR GREATER RATING)	180.000 LF	_____	_____	_____	_____
0480	626.43 30 INCH DIAMETER FOUNDATION	101.000 LF	_____	_____	_____	_____
0490	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	5,350.000 LF	_____	_____	_____	_____
0500	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	80.000 SF	_____	_____	_____	_____
0510	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	5,350.000 LF	_____	_____	_____	_____
0520	629.05 HAND LABOR, STRAIGHT TIME	20.000 HR	_____	_____	_____	_____
0530	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10.000 HR	_____	_____	_____	_____
0540	631.133 SKID STEER (INCLUDING OPERATOR)	10.000 HR	_____	_____	_____	_____
0550	631.14 GRADER (INCLUDING OPERATOR)	10.000 HR	_____	_____	_____	_____
0560	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR	_____	_____	_____	_____
0570	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	10.000 HR	_____	_____	_____	_____

3/10/2025

Maine Department of Transportation

Proposal Schedule of Items

Page 6 of 8

Proposal ID: 026019.00

Project(s): 026019.00

SECTION: 1 HIGHWAY 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
0580	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0590	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0600	634.160 HIGHWAY LIGHTING	LUMP SUM	LUMP SUM		_____	 _____
0610	634.2042 LED LUMINARIES	12.000 EA	_____	 _____	_____	 _____
0620	634.210 CONVENTIONAL LIGHT STANDARD	12.000 EA	_____	 _____	_____	 _____
0630	634.25 SERVICE POLE COMPLETE WITH CABINET AND CONTROLS	1.000 EA	_____	 _____	_____	 _____
0640	639.19 FIELD OFFICE TYPE B	1.000 EA	_____	 _____	_____	 _____
0650	643.72 TEMPORARY TRAFFIC SIGNAL	LUMP SUM	LUMP SUM		_____	 _____
0660	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	11.000 EA	_____	 _____	_____	 _____
0670	645.108 DEMOUNT POLE	11.000 EA	_____	 _____	_____	 _____
0680	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	4.000 EA	_____	 _____	_____	 _____

3/10/2025

Maine Department of Transportation

Proposal Schedule of Items

Page 7 of 8

Proposal ID: 026019.00

Project(s): 026019.00

SECTION: 1 HIGHWAY 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
0690	645.118 REINSTALL POLE	4.000 EA				
0700	645.161 BREAKAWAY DEVICES SINGLE POLE	20.000 EA				
0710	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	265.000 SF				
0720	645.301 DEMOUNTABLE REFLECTORIZED DELINEATOR, SINGLE	40.000 EA				
0730	652.312 TYPE III BARRICADE	20.000 EA				
0740	652.33 DRUM	50.000 EA				
0750	652.34 CONE	90.000 EA				
0760	652.35 CONSTRUCTION SIGNS	1,020.000 SF				
0770	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	180.000 CD				
0780	652.38 FLAGGER	1,920.000 HR				
0790	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	12.000 EA				
0800	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM		LUMP SUM		

3/10/2025

Maine Department of Transportation

Proposal Schedule of Items

Page 8 of 8

Proposal ID: 026019.00

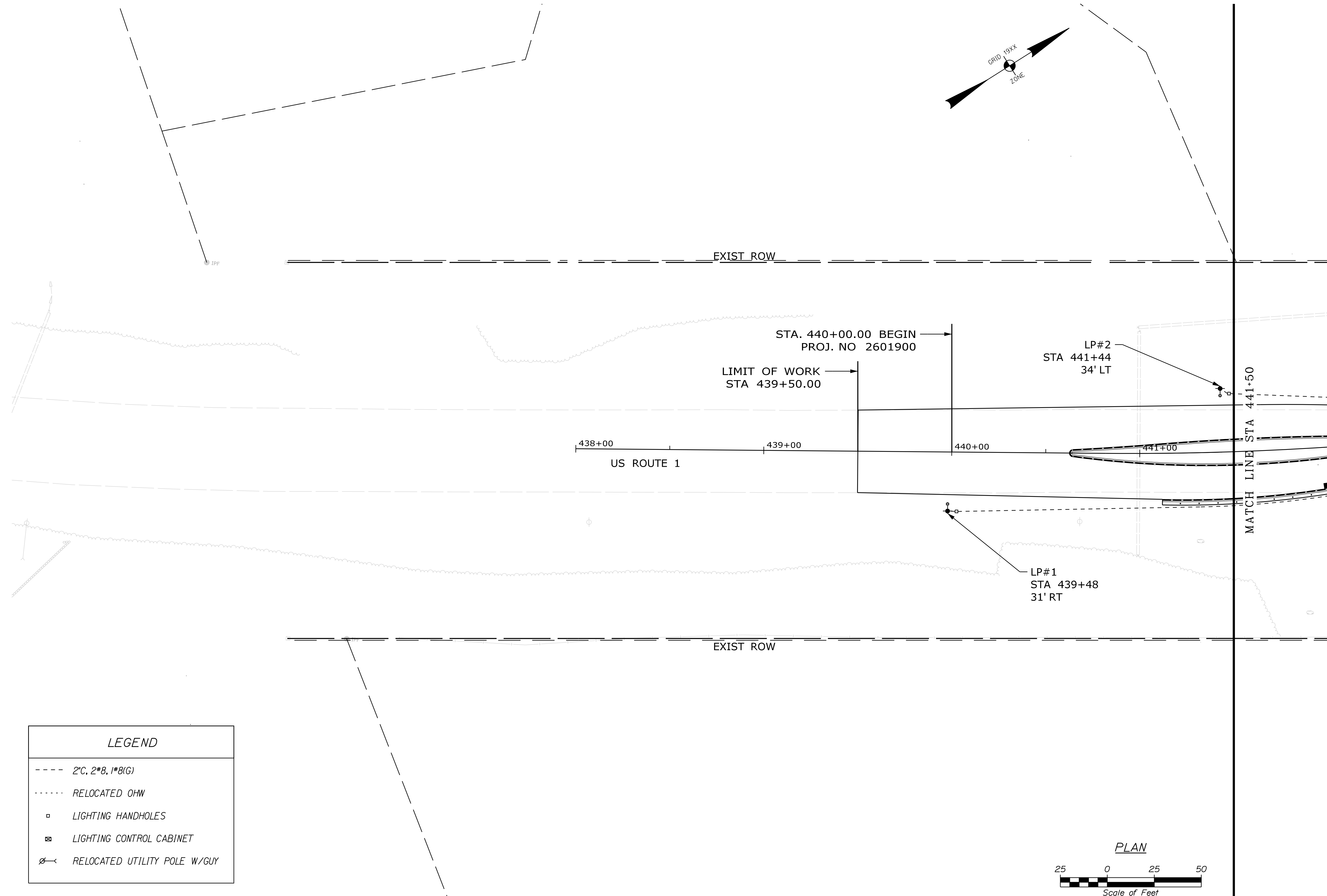
Project(s): 026019.00

SECTION: 1 HIGHWAY 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
0810	658.20 ACRYLIC LATEX COLOR FINISH, GREEN GREEN	810.000 SY				
0820	659.10 MOBILIZATION	LUMP SUM				
Section: 1			Total:			
			Total Bid:			



LEGEND	
----	2°C, 2#8, 1#8(G)
-----	RELOCATED OHW
□	LIGHTING HANDHOLES
⊗	LIGHTING CONTROL CABINET
⊖←	RELOCATED UTILITY POLE W/GUY

17 OF 77	SHEET NUMBER	DAMARISCOTTA US1 AT BELVEDERE RD		PROJ. MANAGER D. COOMBS	BY J. DRAWBAUGH	DATE 1/25	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
				CHECKED-REVIEWED S. MURPHY		SIGNATURE	
				DESIGN-REVIEWED S. MURPHY			
		LIGHTING PLANS		DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			
				DESIGN-REVIEWED S. MURPHY			

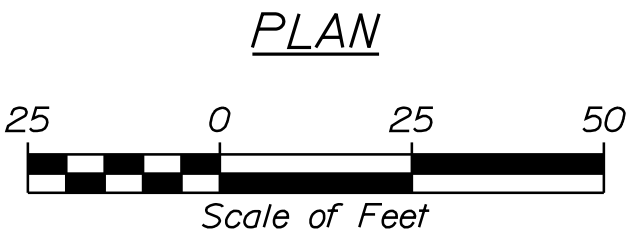
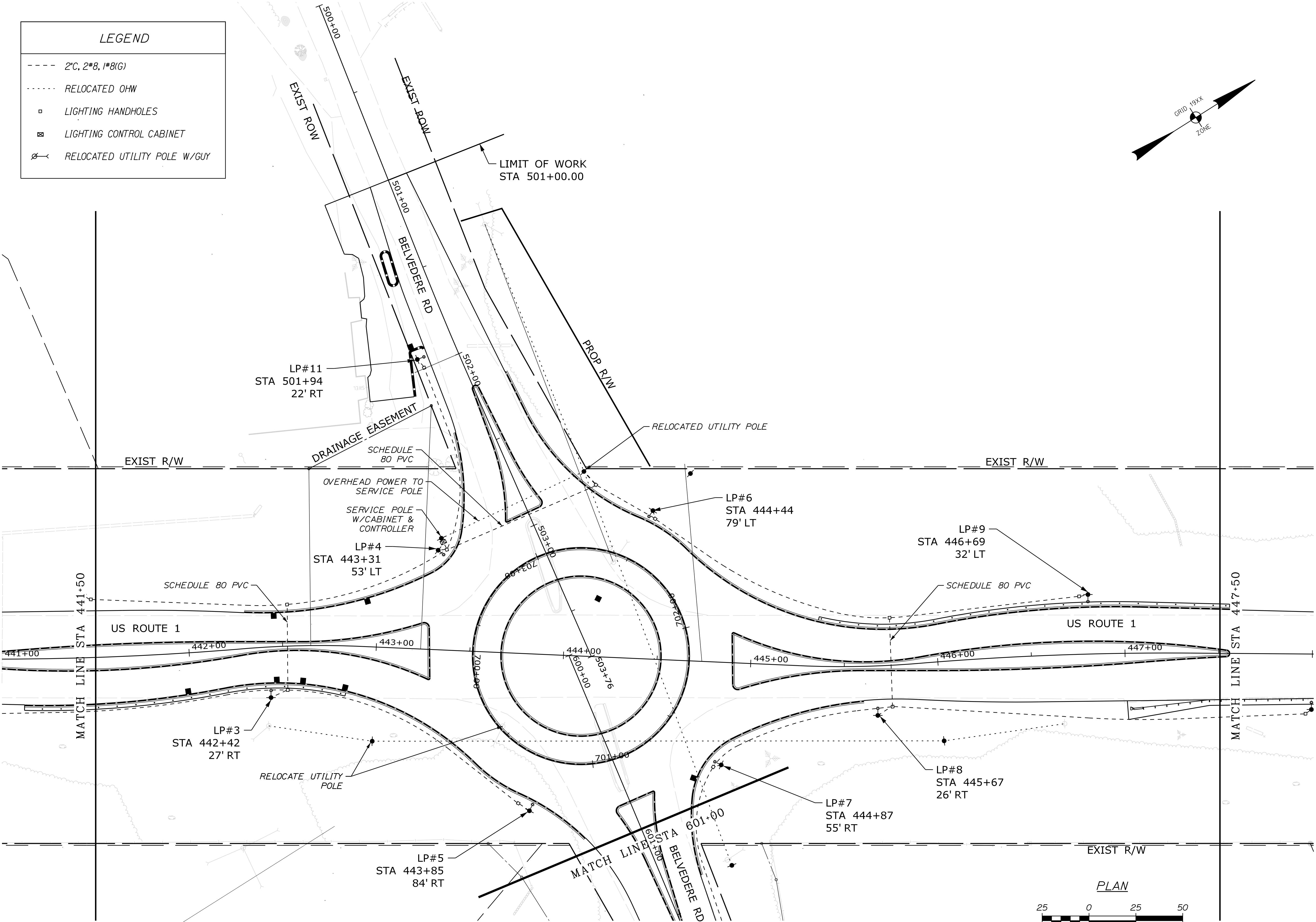
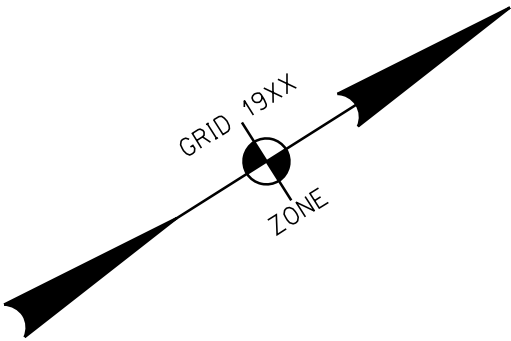
Date: 3/10/2025

Username: MurphySP

Division:

Filename: ... \018_plans_lighting.dgn

LEGEND	
----	2"C, 2*8, 1*8(G)
-----	RELOCATED OHW
□	LIGHTING HANDHOLES
⊠	LIGHTING CONTROL CABINET
⊕←	RELOCATED UTILITY POLE W/GUY

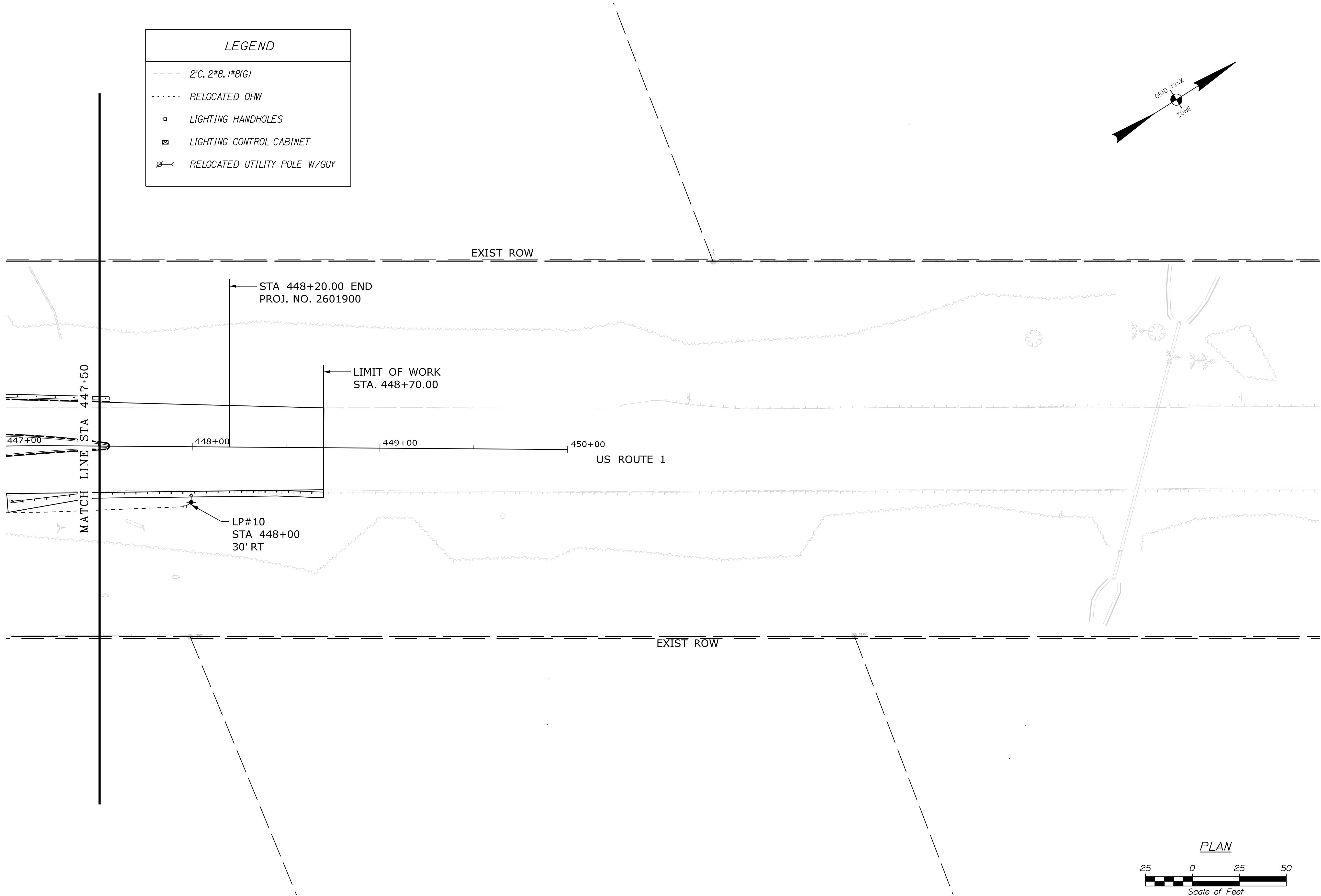


STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
WIN	HIGHWAY PLANS
26019.00	

PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGNED-DETAILED	J. DRAMBAUGH	J. DRAMBAUGH	1/25
CHECKED-REVIEWED	S. MURPHY	S. MURPHY	1/25
DESIGNED-DETAILED	-	-	-
DESIGNED-DETAILED	-	-	-
REVISIONS 1	UPDATED WIRE SIZES	03/10/25	P.E. NUMBER
REVISIONS 2	-	-	DATE
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

DAMARISCOTTA RD US1 AT BELVEDERE RD	
LIGHTING PLANS	

SHEET NUMBER
18
OF 77

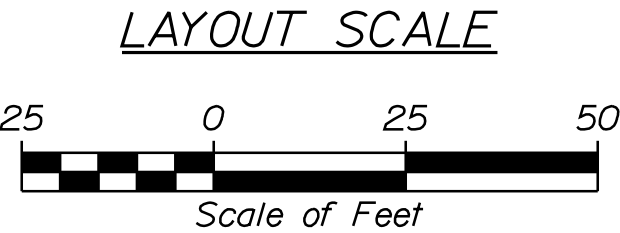
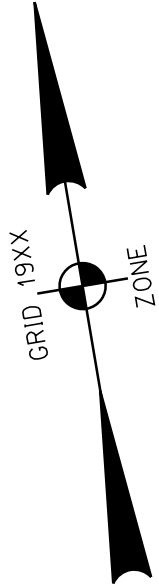
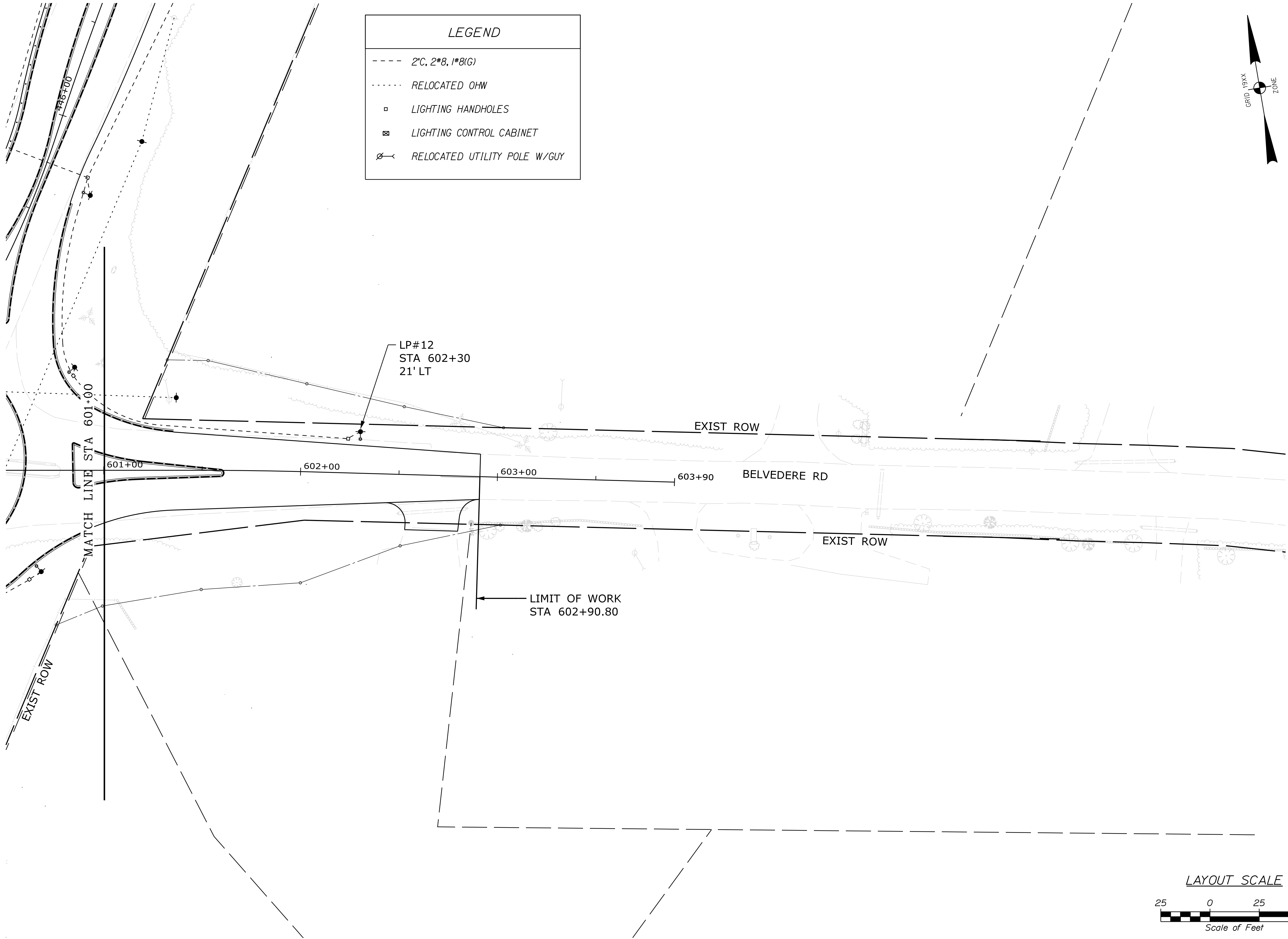


STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
	WIN 26019.00

PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN-DETAILED	J. DRAMBALGH	J. DRAMBALGH	1/25
CHECKED-REVIEWED	S. MURPHY	S. MURPHY	1/25
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	UPDATED WIRE SIZES	03/10/25	P.E. NUMBER
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

DAMARISCOTTA US1 AT BELVEDERE RD	
	LIGHTING PLANS

SHEET NUMBER
19
OF 77



STATE OF MAINE DEPARTMENT OF TRANSPORTATION				
			SIGNATURE	
			P.E. NUMBER	
WIN 26019.00			DATE	
HIGHWAY PLANS				

DAMARISCOTTA US1 AT BELVEDERE RD LIGHTING PLANS	PROJ. MANAGER	D. COOMBS	BY	DATE
	DESIGN-DETAILED	J. DRAMBAUGH	J. DRAMBAUGH	1/25
	CHECKED-REVIEWED	S. MURPHY	S. MURPHY	1/25
	DESIGN-DETAILED	-	-	-
	REVISIONS 1	UPDATED WIRE SIZES	03/10/25	P.E. NUMBER
	REVISIONS 2	-	-	DATE
SHEET NUMBER 20 OF 77	REVISIONS 3	-	-	-
	REVISIONS 4	-	-	-
		FIELD CHANGES	-	-

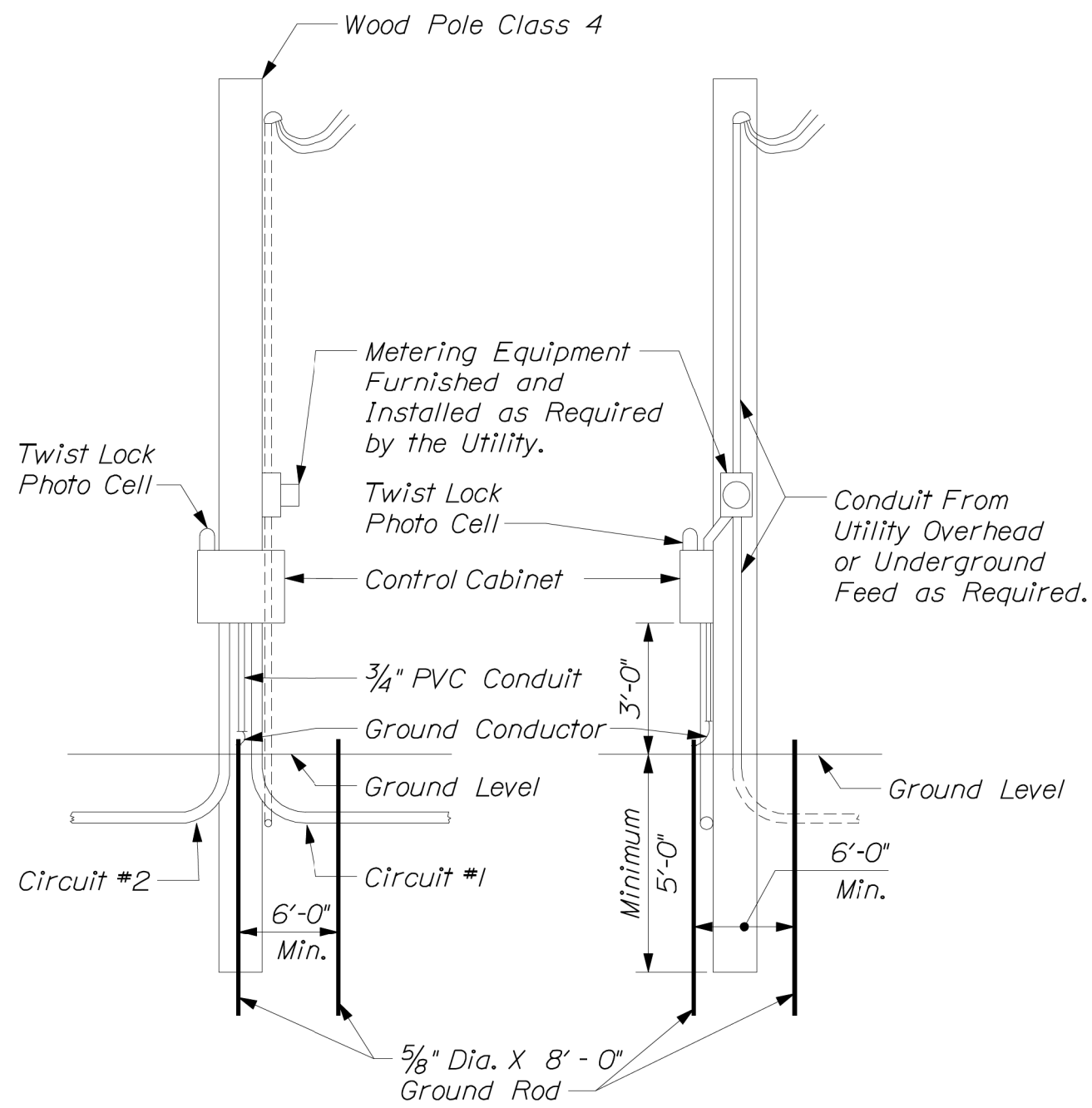
Date: 3/10/2025

Username: MurphySP

Division:

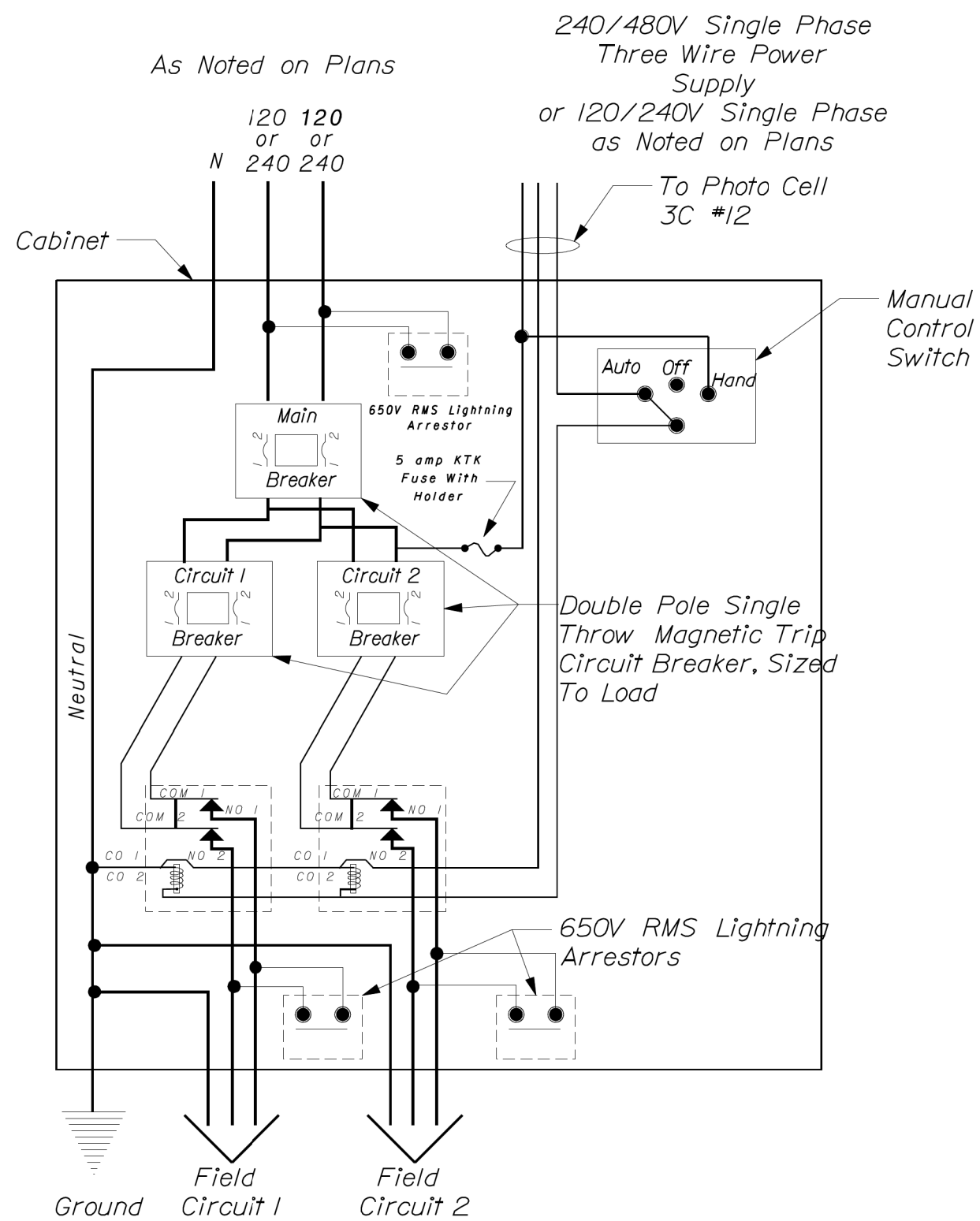
Filename: ... \025_notes_lighting.dgn

1. SCOPE OF WORK - INSTALL HIGHWAY LIGHTING AS SHOWN ON THIS PLAN. INSTALL NEW CONDUIT, WIRING, FOUNDATIONS, POLES, LED LUMINAIRES AND RELATED HARDWARE.
2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO APPLICABLE PROVISIONS OF THE MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS, NATIONAL ELECTRICAL CODE AND ANY REQUIREMENTS OF THE UTILITY COMPANY.
3. THE CONTRACTOR SHALL FIELD VERIFY POLE LOCATIONS TO AVOID NATURAL AND BUILT SITE FEATURES THAT WOULD CONFLICT WITH PROPER INSTALLATION OF POLE FOUNDATIONS.
4. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO ENSURE AWARENESS OF SITE CONDITIONS THAT COULD AFFECT THE BID.
5. FIXTURES SHALL BE IES FULL CUTOFF, INDIRECT VIEW LIGHT EMITTING DIODE (LED) FIXTURES. IES DISTRIBUTION TYPE SHALL BE AS SHOWN ON THE PLANS. FIXTURE VOLTAGE SHALL BE 240 VOLTS.
6. LIGHT STANDARDS SHALL BE ROUND TAPERED ALUMINUM, WITH POLYESTER POWDER COAT BLACK PAINT FINISH.
7. LIGHT STANDARDS SHALL BE MANUFACTURED BY VALMONT, MODEL R-380845906T4-DI-DBL.
8. LIGHT STANDARDS SHALL BE EQUIPPED WITH A SINGLE ARM ASSEMBLY, MODEL IHT90-DBL.
9. LIGHT STANDARDS SHALL BE EQUIPPED WITH BREAKAWAY POLE BASES MANUFACTURED BY TRANSP0, MODEL 4100.
10. LIGHT STANDARDS SHALL BE EQUIPPED WITH POLE BASE COVERS MANUFACTURED BY VALMONT, MODEL 2T03AC-DBL.
11. FIXTURES SHALL BE GASKETED, HAVE AN EXTENDED LIFE DRIVER, SURGE PROTECTION, AND A DOUBLE FUSE KIT. ALL FIXTURES SHALL BE ALUMINUM WITH POLYESTER POWDER COAT BLACK PAINT FINISH. THE LIGHTING LAYOUT WAS DONE USING AMERICAN ELECTRIC LIGHTING AUTOBAHN SERIES ATB0, MODEL NUMBER ATB0-P452-MVOLT-R2 WITH HOUSE-SIDE SHIELD ACCESSORY AND 3 PIN NEMA PHOTOCONTROL RECEPTACLE. IF DIFFERENT FIXTURES ARE PROPOSED, THEY SHALL BE IES FULL CUTOFF, TYPE 2 OR 3 IES DISTRIBUTION, INDIRECT VIEW LED LUMINAIRES WITH PHOTOCONTROL RECEPTACLE OR INTEGRATED PHOTOCONTROL. THE CONTRACTOR MUST DEMONSTRATE THAT THE PROPOSED FIXTURES WILL REASONABLY EQUAL THE LIGHT LEVELS AND DISTRIBUTION SHOWN ON THE PLANS, IN THE OPINION OF MAINEDOT.
12. EVALUATION BY MAINEDOT OF ALTERNATIVE LED LUMINAIRES THAT MAY BE PROPOSED BY THE CONTRACTOR FOR SUBSTITUTION WILL REQUIRE SUBMITTAL OF THE FOLLOWING, AT A MINIMUM:
 - IES LM-79-08 ABSOLUTE TESTING REPORT FOR THE PROPOSED ALTERNATIVE LUMINAIRE;
 - IES LM-80-08 TESTING REPORT FOR LED CHIPS TO BE USED IN THE ALTERNATIVE LUMINAIRE, DOCUMENTING TESTING FOR A MINIMUM OF 8500 HOURS;
 - IES TM-21-II REPORT FOR PROJECTED LONG TERM LUMEN MAINTENANCE, INCLUDING INCREMENTAL LUMEN DEPRECIATION TABLE AT 25 DEGREES CELSIUS TO A MINIMUM OF 50,000 HOURS;
 - IES ELECTRONIC PHOTOMETRIC FILE FROM THE MANUFACTURER FOR THE PROPOSED ALTERNATIVE LUMINAIRE;
 - PHOTOMETRIC PLOT, OVERLAID ON THE LAYOUT OF THE LUMINAIRE LOCATIONS FOR THIS SPECIFIC PROJECT, SHOWING LIGHT CONTOURS, ILLUMINATION STATISTICS FOR EACH OF THE LIGHTING ANALYSIS AREAS, AND VALUE OF LIGHT LOSS FACTOR USED IN THE ANALYSIS;
 - VALUES OF LLD, LDD, AND OTHER FACTORS USED FOR CALCULATION OF THE ASSUMED LIGHT LOSS FACTOR;
 - SPECIFICATION DATA REGARDING OPTICS, CHROMATIC COLOR TEMPERATURE, DRIVER, PHOTOCONTROL, SURGE PROTECTION, HOUSING AND GASKETING.
13. ALL CONDUITS SHALL BE 2" MINIMUM SCHEDULE 40 PVC DIRECT-BURIED, UNLESS OTHERWISE NOTED. MINIMUM BURIAL DEPTH FOR CONDUIT SHALL BE 36".
14. CONDUITS UNDER ROADWAY SHALL BE SCHEDULE 80 PVC.
15. ALL WIRES FOR LIGHTING CIRCUITS SHALL BE A MINIMUM OF 8 AWG WIRE. ALL WIRE FROM THE CONTROL CABINET TO THE LIGHT POLE BASE SHALL BE A MINIMUM OF 8 AWG THWN WIRE.
16. ALL ELECTRICAL HANDHOLES SHALL BE H-20 RATED.
17. IF STRUCTURAL ROCK IS ENCOUNTERED DURING INSTALLATION OF FOUNDATIONS, PAYMENT FOR EXCAVATION AND DOWELING REINFORCING INTO ROCK SHALL BE CONSIDERED INCIDENTAL TO THE FOUNDATION ITEMS.
18. PAYMENT UNDER ITEM 634.160 - HIGHWAY LIGHTING WILL INCLUDE ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PROVIDE A FULLY FUNCTIONING HIGHWAY LIGHTING SYSTEM, EXCEPT THOSE ITEMS TO BE PAID FOR UNDER OTHER RELATED BID ITEMS IN THE CONTRACT.
19. ALL LIGHT BASES SHALL HAVE A GROUND ROD, LOCATED IN THE FOUNDATION, THAT IS BONDED TO THE GROUNDING CONDUCTOR. PAYMENT FOR THE GROUND ROD SHALL BE INCLUDED UNDER ITEM 634.16 - HIGHWAY LIGHTING.
20. PAYMENT UNDER ITEM 634.210 - CONVENTIONAL LIGHT STANDARD INCLUDES, BUT IS NOT LIMITED TO, NEW POLES, TRANSFORMER BASES AND BREAKAWAY DEVICES.
21. CONTRACTOR SHALL FURNISH A SET OF AS-BUILT PLANS FOR FUTURE REFERENCE AND SYSTEM MAINTENANCE UPON COMPLETION OF THE PROJECT.
22. PROVIDE ELECTRIC SERVICE UNDER ITEM 634.25 AND CONFORM TO THE REQUIREMENTS OF SECTION 716.11 - SERVICE EQUIPMENT.



~ FRONT ~ ~ SIDE ~
~ SERVICE POLE ~

HIGHWAY LIGHTING
634(01)



~ SCHEMATIC FOR STREET LIGHTING
CONTROL CABINET - MULTI CIRCUIT ~

HIGHWAY LIGHTING
634(03)

SHEET NUMBER		DAMARISCOTTA US1 AT BELVEDERE RD				PROJ. MANAGER D. COOMBS		BY J. DRABBAUGH S. MURPHY	DATE 1/25 1/25	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
25 OF 77		LIGHTING NOTES & DETAILS		DESIGN-DETAILED		CHECKED-REVIEWED		SIGNATURE		
				DESIGN2-DETAILED2						
				DESIGN3-DETAILED3						
				REVISIONS 1		REVISED NOTES 14-15		P.E. NUMBER		
				REVISIONS 2						
				REVISIONS 3						
				REVISIONS 4				DATE		
				FIELD CHANGES						