



Janet T. Mills
GOVERNOR

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

Dale F. Doughty
ACTING COMMISSIONER

November 17, 2025
Subject: Pleasant Avenue Crossing
Bridge Wearing Surface
Replacement
State WIN: 023120.00
Location: **Dover Foxcroft**
Amendment No. 4

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

REMOVE, "Proposal Schedule of Items", 12 pages, dated 10/3/2025 as part of amendment #2 and **REPLACE** with the attached, revised "Proposal Schedule of Items" 12 pages dated 10/21/2025.

In the Bid Book **REMOVE** "SPECIAL PROVISION, SECTION 107 TIME (Scheduling of Work, Supplemental Liquidated Damages & Contract Completion Date)" dated August 26, 2025 and **REPLACE** with the attached new SPECIAL PROVISION, SECTION 107 TIME (Scheduling of Work, Supplemental Liquidated Damages & Contract Completion Date)" dated October 22, 2025.

In the Bid Book (page 149 to page 150) **REMOVE** "SPECIAL PROVISION, SECTION 634 HIGHWAY LIGHTING (Service Pole and Cabinet)" dated August 27, 2025.

In the Plan Set:

REMOVE SHEET NUMBER 2 OF 64, ESTIMATED QUANTITIES, dated 10/2/2025, and **REPLACE** with the attached, revised SHEET NUMBER 2 OF 64, ESTIMATED QUANTITIES, dated 10/21/2025.

REMOVE SHEET NUMBER 3 OF 64, GENERAL CONSTRUCTION NOTES, dated 8/22/2025, and **REPLACE** with the attached, revised SHEET NUMBER 3 OF 64, GENERAL CONSTRUCTION NOTES, dated 10/21/2025.

REMOVE SHEET NUMBER 4 OF 64, GENERAL PLANS, dated 8/25, and REPLACE with the attached, revised SHEET NUMBER 4 OF 64, GENERAL PLANS, dated 10/22/2025.

REMOVE SHEET NUMBER 5 OF 64, GENERAL PLANS, dated 8/25, and REPLACE with the attached, revised SHEET NUMBER 5 OF 64, GENERAL PLANS, dated 10/22/2025.

REMOVE SHEET NUMBER 47 OF 64, GIRDER DETAILS (2 OF 2), dated 8/22/2025, and REPLACE with the attached, revised SHEET NUMBER 47 OF 64, GIRDER DETAILS (2 OF 2), dated 10/23/2025.

REMOVE SHEET NUMBER 55 OF 64, SUPERSTRUCTURE DETAILS, dated 8/22/2025, and REPLACE with the attached, revised SHEET NUMBER 55 OF 64, SUPERSTRUCTURE DETAILS, dated 10/21/2025.

REMOVE SHEET NUMBER 57 OF 64, LIGHTING PLAN, dated 8/22/2025, and REPLACE with the attached, revised SHEET NUMBER 57 OF 64, LIGHTING PLAN dated 10/23/2025.

REMOVE SHEET NUMBER 58 OF 64, LIGHTING DETAILS (1 OF 2), dated 8/23/2025, and REPLACE with the attached, revised SHEET NUMBER 58 OF 64, LIGHTING DETAILS (1 OF 2) dated 10/23/2025.

REMOVE SHEET NUMBER 59 OF 64, LIGHTING DETAILS (2 OF 2), dated 8/22/2025, and REPLACE with the attached, revised SHEET NUMBER 59 OF 64, LIGHTING DETAILS (2 OF 2) dated 10/23/2025.

The following questions have been received:

Question: With regard to the existing watermain in the area of temporary works, can you please provide more information on this pipe as to size, material, etc.? We noticed that the pipe had bubbles directly above it indicating that is already leaking and will more than likely need to be replaced. It is unreasonable to assume this pipe will not be further damaged during trestle construction, cofferdam construction and demolition.

Response: The active water main located in the riverbed is located upstream of the bridge is a 12 inch diameter ductile iron pipe with ball and socket joints. The active water main was installed in 1993 or 1994. An older inactive and abandoned water line is located underneath or immediately upstream of the active water main. The MaineDOT dive team inspected the water main on October 16, 2025. No bubbles or leaks were noted during this recent inspection.

Videos of the MaineDOT dive team inspection on October 16, 2025 are available for viewing by the Contractor using the following weblinks:

Part 1 – water main inspection from abutment #2 to just past the remains of the old pier foundation

<https://youtu.be/YW01qnDqSnE>

Part 2 – water main inspection from the middle of river to abutment #1

<https://youtu.be/pQd-rNu5nMs>

Remains of old pier foundation near the middle of the river

<https://youtu.be/-zHYzPfPIInE>

MaineDOT has also posted pictures for the Contractor to view. The pictures show the water main and the old foundation remains in 2016 during low water conditions. Also included are pictures of the old stacked granite pier for the previous bridge from the early 1900's.

MaineDOT has located the active water main in the riverbed and updated the water main location on plan view on sheet 4 of the plans. The remains of an old pier foundation consisting of cut granite block was also located and is shown on an updated general plan sheet.

Like any other subsurface utility, the Contractor needs to use caution while working around the utility and involve the utility when in close proximity. MaineDOT holds the option of periodic inspections of the water main during construction and will inspect the water main, when construction is completed.

Question: Sheet 59, Note 2 states that the “New power service, control cabinets, meter disconnects, and enclosures will be paid for under Item 634.160 Highway Lighting” What is Item no. 634.25 used for?

Response: Item 634.25 Service Pole Complete with Cabinet and Controller is not needed and has been removed from the estimate. Please refer to the updated “Proposal Schedule of Items” and the updated ESTIMATED QUANTITIES sheet.

Question: Item No. 626.35 “Controller Cabinet Foundation” What is this Item used for? It appears the new service is pole mounted.

Response: Item 626.35 Controller Cabinet Foundation is not needed and has been removed from the estimate. Please refer to the updated “Proposal Schedule of Items” and the updated estimated quantities sheet.

Question: Sheet 57 indicates luminaire U1, U2, & U3 are mounted to the relocated utility poles. These poles are being installed by the utility company. Is the contractor responsible for installing these luminaires? Where does the power come from to make them operational?

Response: The Contractor will coordinate and furnish the luminaires to the utility company. The utility company will install and wire the luminaires on their poles. The power comes from the secondary circuits on the utility poles.

Question: Sheet 58 “Street Lighting Schedule” indicates the poles U1, U2, & U3 are mounted on have a Bolt Cover base type. Is this an error? It appears the 3 relocated wood utility poles are installed by the Utility Company.

Response: U1, U2, and U3 are provided and installed by the utility company, bolt covers are not required.

Question: Sheet 7 Indicates “Proposed Permanent Pole with Meter Box for Dam” Is this meter box provided and installed by the Utility Company?

Response: Yes, this proposed meter box will be provided and installed by the utility company.

Question: The details on page 55 in the plans states that the lighting conduit will be 2 inch, the conduit schedule on page 59 states that lighting conduit is 3 inch, which one is correct? Will the conduit be supported under the bridge or will the conduit be installed in the bridge deck?

Response: The lighting conduit size noted on sheets 47 and 55 has been changed from 2” diameter to 3” diameter. Please reference the revised sheets 47 and 55. The conduit will be supported under the bridge by Utility Support Type T2 as indicated on sheet 47. Type T2 support shall be installed between G4 and G5 as shown on the framing plan on sheet 45.

Question: Please confirm the referenced quantity of pier concrete.

Response: The underlying quantity for item 502.239 Structural Concrete Piers has been revised from 310 cy to 105 cy.

Question: There is a lot of cofferdam work to be done here in a very short in-water work window. A significant portion of the available work window for this year will have passed before award and mobilization. Would the Department consider extending the in-water work window.

Response: The Contractor shall plan their work based on the in-water work window noted in the 105 SPECIAL PROVISION SECTION 105 General Scope of Work (Environmental Requirements) dated September 24, 2025. The contract completion date has been moved to October 15, 2028. Please refer to the new SPECIAL PROVISION, SECTION 107 TIME (Scheduling of Work, Supplemental Liquidated Damages & Contract Completion Date) dated October 22, 2025.

Question: The conduit and conductor schedule on Sheet 59 specifies 3" conduit, the details on Sheet 55 shows 2" conduit. Which should be used?

Response: The conduit shall be 3" diameter.

Question: The detail and quantities specify metallic conduit within the bridge deck. Since the conduit is concrete encased, and there are many bends required, would PVC conduit be considered?

Response: No, PVC conduit cannot be substituted. The conduit is supported by intermediate utility supports and is not encased in concrete.

Question: Can the breakaway bolts for the lighting fixtures be eliminated since the lights are behind bridge rail?

Response: No, breakaway bolts for the lighting fixtures can not be eliminated from any locations.

Question: In reference to amendment No. 2 is noise attenuation and hydroacoustic monitoring required if no impact pile driving will be taking place?

Response: No.

Question: Could you please explain how the rigid conduit for lighting will be secured under the bridge? Is it up to the contractor to design brackets?

Response: The maximum span for the rigid metal conduit is 10'-0". The conduit will be supported by Utility Support Type T2 and intermediate diaphragms. The conduit may be secured to the framing by Contractor designed flange clips or U Bolts depending on support type and configuration.

Question: Please confirm that this project will bid on 11/26 as indicated in Amendment 3.

Response: The Department plans to open bids for the project on 11/26/2025. The bid opening would only be delayed if the Department receives a request for information late in the process that needs to be addressed.

Consider these changes and information prior to submitting your bid on **November 26, 2025**

Sincerely,



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

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023120.00

Project(s): 023120.00

SECTION: 1 INITIAL GROUP

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	12.000 EA	_____	 _____	_____	 _____
0020	201.24 REMOVING STUMP	16.000 EA	_____	 _____	_____	 _____
0030	201.28 PRUNING SINGLE TREE	5.000 EA	_____	 _____	_____	 _____
0040	202.13 REMOVING EXISTING RAILINGS (RETAINED BY DEPARTMENT)	60.000 LF	_____	 _____	_____	 _____
0050	202.15 REMOVING EXISTING MANHOLE OR CATCH BASIN	7.000 EA	_____	 _____	_____	 _____
0060	202.19 REMOVING EXISTING BRIDGE	LUMP SUM		 LUMP SUM	_____	 _____
0070	202.202 REMOVING PAVEMENT SURFACE	400.000 SY	_____	 _____	_____	 _____
0080	203.20 COMMON EXCAVATION	1,200.000 CY	_____	 _____	_____	 _____
0090	203.2318 DISPOSAL OF SPECIAL WASTE	360.000 T	_____	 _____	_____	 _____
0100	203.25 GRANULAR BORROW	1,340.000 CY	_____	 _____	_____	 _____
0110	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	1,200.000 CY	_____	 _____	_____	 _____
0120	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	1,000.000 CY	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0130	304.103 AGGREGATE SUBBASE - GRAVEL (TRUCK MEASURE)	30.000 CY	_____	 _____	_____	 _____
0140	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	160.000 T	_____	 _____	_____	 _____
0150	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	42.000 T	_____	 _____	_____	 _____
0160	403.211 HOT MIX ASPHALT (SHIMMING)	10.000 T	_____	 _____	_____	 _____
0170	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	210.000 T	_____	 _____	_____	 _____
0180	409.15 BITUMINOUS TACK COAT - APPLIED	75.000 G	_____	 _____	_____	 _____
0190	501.237 NOISE ATTENUATION AND UNDERWATER NOISE MONITORING	LUMP SUM		 LUMP SUM	_____	 _____
0200	501.50 STEEL H-BEAM PILES 89 LBS/FT, DELIVERED	750.000 LF	_____	 _____	_____	 _____
0210	501.502 ROCK SOCKETED H-PILES	750.000 LF	_____	 _____	_____	 _____
0220	501.804 DRILLING EQUIPMENT MOBILIZATION	LUMP SUM		 LUMP SUM	_____	 _____
0230	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP SUM		 LUMP SUM	_____	 _____

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			Dollars	Cents	Dollars	Cents
0240	502.22 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS (PLACED UNDER WATER)	400.000 CY	_____	 _____	_____	 _____
0250	502.239 STRUCTURAL CONCRETE PIERS	LUMP SUM		LUMP SUM	_____	 _____
0260	502.24 STRUCTURAL CONCRETE PIERS (PLACED UNDER WATER)	215.000 CY	_____	 _____	_____	 _____
0270	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP SUM		LUMP SUM	_____	 _____
0280	502.291 SAW CUT GROOVING	LUMP SUM		LUMP SUM	_____	 _____
0290	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP SUM		LUMP SUM	_____	 _____
0300	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM		LUMP SUM	_____	 _____
0310	502.77 FIBER REINFORCED POLYMER BRIDGE DRAIN - TYPE: TYPE D	3.000 EA	_____	 _____	_____	 _____
0320	502.77 FIBER REINFORCED POLYMER BRIDGE DRAIN - TYPE: TYPE F	3.000 EA	_____	 _____	_____	 _____
0330	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	53,600.000 LB	_____	 _____	_____	 _____
0340	503.13 REINFORCING STEEL, PLACING	53,600.000 LB	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0350	503.19 LOW-CARBON, CHROMIUM REINFORCEMENT - FABRICATED & DELIVERED	22,600.000 LB	_____	_____	_____	_____
0360	503.20 LOW-CARBON, CHROMIUM REINFORCEMENT - PLACING	22,600.000 LB	_____	_____	_____	_____
0370	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED	LUMP SUM	LUMP	SUM	_____	_____
0380	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM	LUMP	SUM	_____	_____
0390	505.08 SHEAR CONNECTORS	LUMP SUM	LUMP	SUM	_____	_____
0400	506.9104 THERMAL SPRAY COATING - SHOP APPLIED	LUMP SUM	LUMP	SUM	_____	_____
0410	511.07 COFFERDAM: ABUT NO.1	LUMP SUM	LUMP	SUM	_____	_____
0420	511.07 COFFERDAM: ABUT NO.2	LUMP SUM	LUMP	SUM	_____	_____
0430	511.07 COFFERDAM: PIER	LUMP SUM	LUMP	SUM	_____	_____
0440	512.081 FRENCH DRAINS	LUMP SUM	LUMP	SUM	_____	_____
0450	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP	SUM	_____	_____

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0460	519.60 EXPANSION DEVICE - ASPHALTIC PLUG JOINT	55.000 LF	_____	_____	_____	_____
0470	523.52 BEARING INSTALLATION	15.000 EA	_____	_____	_____	_____
0480	523.5401 LAMINATED ELASTOMERIC BEARINGS, FIXED	5.000 EA	_____	_____	_____	_____
0490	523.5402 LAMINATED ELASTOMERIC BEARINGS, EXPANSION	10.000 EA	_____	_____	_____	_____
0500	524.30 TEMPORARY STRUCTURAL SUPPORT	1.000 EA	_____	_____	_____	_____
0510	526.301 PORTABLE CONCRETE BARRIER TYPE I	LUMP SUM	LUMP SUM	_____	_____	_____
0520	526.323 TEXAS CLASSIC RAIL	LUMP SUM	LUMP SUM	_____	_____	_____
0530	530.30 GFRP, REINFORCEMENT BARS, FABRICATED & DELIVERED	65,300.000 LF	_____	_____	_____	_____
0540	530.31 GFRP, REINFORCEMENT BARS, PLACING	65,300.000 LF	_____	_____	_____	_____
0550	603.159 12 INCH CULVERT PIPE OPTION III	44.000 LF	_____	_____	_____	_____
0560	603.169 15 INCH CULVERT PIPE OPTION III	114.000 LF	_____	_____	_____	_____
0570	603.179 18 INCH CULVERT PIPE OPTION III	46.000 LF	_____	_____	_____	_____

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			Dollars	Cents	Dollars	Cents
0580	603.199 24 INCH CULVERT PIPE OPTION III	18.000 LF	_____	 _____	_____	 _____
0590	603.76 12 INCH INLET GRATE UNIT	1.000 EA	_____	 _____	_____	 _____
0600	604.072 CATCH BASIN TYPE A1-C	3.000 EA	_____	 _____	_____	 _____
0610	604.092 CATCH BASIN TYPE B1-C	3.000 EA	_____	 _____	_____	 _____
0620	604.245 CATCH BASIN TYPE F4-C	1.000 EA	_____	 _____	_____	 _____
0630	604.252 CATCH BASIN TYPE A5-C	1.000 EA	_____	 _____	_____	 _____
0640	605.09 6 INCH UNDERDRAIN TYPE B	275.000 LF	_____	 _____	_____	 _____
0650	605.11 12 INCH UNDERDRAIN TYPE C	110.000 LF	_____	 _____	_____	 _____
0660	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	50.000 LF	_____	 _____	_____	 _____
0670	606.1303 31" W-BM GR, MID-WAY SPLICE-15' RAD AND LESS	25.000 LF	_____	 _____	_____	 _____
0680	606.1304 31" W-BM GR, MID-WAY SPLICE-OVER 15' RAD	59.000 LF	_____	 _____	_____	 _____
0690	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	2.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0700	606.1306 31" W-BM GR, MID-WAY SPLICE TANGENT TERMINAL	1.000 EA	_____	_____	_____	_____
0710	606.1307 BRIDGE TRANSITION (ASYMMETRICAL) - TYPE 1A	4.000 EA	_____	_____	_____	_____
0720	606.259 ANCHORAGE ASSEMBLY	1.000 EA	_____	_____	_____	_____
0730	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8.000 EA	_____	_____	_____	_____
0740	607.163 CHAIN LINK FENCE - 4 FOOT P.V.C. COATED	85.000 LF	_____	_____	_____	_____
0750	607.24 REMOVE AND RESET FENCE	120.000 LF	_____	_____	_____	_____
0760	608.08 REINFORCED CONCRETE SIDEWALK	5.000 SY	_____	_____	_____	_____
0770	608.26 CURB RAMP DETECTABLE WARNING FIELD	57.000 SF	_____	_____	_____	_____
0780	609.11 VERTICAL CURB TYPE 1	330.000 LF	_____	_____	_____	_____
0790	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	12.000 LF	_____	_____	_____	_____
0800	609.221 TERMINAL CURB TYPE 1	44.000 LF	_____	_____	_____	_____
0810	609.222 TERMINAL CURB TYPE 1 - CIRCULAR	37.000 LF	_____	_____	_____	_____

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			Dollars	Cents	Dollars	Cents
0820	610.08 PLAIN RIPRAP	160.000 CY	_____	 _____	_____	 _____
0830	610.18 STONE DITCH PROTECTION	5.000 CY	_____	 _____	_____	 _____
0840	610.213 VOID FILLED RIPRAP	1,100.000 CY	_____	 _____	_____	 _____
0850	613.319 EROSION CONTROL BLANKET	150.000 SY	_____	 _____	_____	 _____
0860	615.07 LOAM	105.000 CY	_____	 _____	_____	 _____
0870	618.13 SEEDING METHOD NUMBER 1	5.000 UN	_____	 _____	_____	 _____
0880	618.14 SEEDING METHOD NUMBER 2	4.000 UN	_____	 _____	_____	 _____
0890	619.12 MULCH	9.000 UN	_____	 _____	_____	 _____
0900	619.14 EROSION CONTROL MIX	30.000 CY	_____	 _____	_____	 _____
0910	620.58 EROSION CONTROL GEOTEXTILE	950.000 SY	_____	 _____	_____	 _____
0920	626.11 PRECAST CONCRETE JUNCTION BOX	2.000 EA	_____	 _____	_____	 _____
0930	626.21 METALLIC CONDUIT	285.000 LF	_____	 _____	_____	 _____
0940	626.22 NON-METALLIC CONDUIT	265.000 LF	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0960	626.421 24 INCH DIAMETER FOUNDATION	21.000 LF	_____	 _____	_____	 _____
0970	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	2,650.000 LF	_____	 _____	_____	 _____
0980	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	830.000 SF	_____	 _____	_____	 _____
0990	627.77 REMOVING PAVEMENT MARKINGS	500.000 SF	_____	 _____	_____	 _____
1000	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	900.000 LF	_____	 _____	_____	 _____
1010	629.05 HAND LABOR, STRAIGHT TIME	40.000 HR	_____	 _____	_____	 _____
1020	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	8.000 HR	_____	 _____	_____	 _____
1030	631.14 GRADER (INCLUDING OPERATOR)	100.000 HR	_____	 _____	_____	 _____
1040	631.15 ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR)	80.000 HR	_____	 _____	_____	 _____
1050	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	80.000 HR	_____	 _____	_____	 _____
1060	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	4.000 HR	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
1070	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	8.000 HR	_____	 _____	_____	 _____
1080	631.21 ROAD BROOM (INCLUDING OPERATORS AND HAULER)	40.000 HR	_____	 _____	_____	 _____
1090	631.22 FRONT END LOADER (INCLUDING OPERATOR)	8.000 HR	_____	 _____	_____	 _____
1100	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	4.000 HR	_____	 _____	_____	 _____
1110	634.160 HIGHWAY LIGHTING	LUMP SUM		 LUMP SUM	_____	 _____
1120	634.210 CONVENTIONAL LIGHT STANDARD	6.000 EA	_____	 _____	_____	 _____
1140	637.071 DUST CONTROL	LUMP SUM		 LUMP SUM	_____	 _____
1150	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____
1160	643.61 FLASHING BEACON MODIFICATION	LUMP SUM		 LUMP SUM	_____	 _____
1170	643.62 RECTANGULAR RAPID FLASHING BEACON	1.000 EA	_____	 _____	_____	 _____
1180	645.109 REMOVE AND SALVAGE HIGHWAY SIGNS	10.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
1190	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	100.000 SF	_____	 _____	_____	 _____
1200	645.513 ADVANCED SOLAR POWERED FLASHING WARNING SIGN	3.000 EA	_____	 _____	_____	 _____
1210	645.561 36" STOP SIGN - SOLAR POWERED	3.000 EA	_____	 _____	_____	 _____
1220	652.312 TYPE III BARRICADE	8.000 EA	_____	 _____	_____	 _____
1230	652.33 DRUM	100.000 EA	_____	 _____	_____	 _____
1240	652.34 CONE	75.000 EA	_____	 _____	_____	 _____
1250	652.343 TEMPORARY MODULAR DELINEATOR CURB	120.000 LF	_____	 _____	_____	 _____
1260	652.35 CONSTRUCTION SIGNS	1,400.000 SF	_____	 _____	_____	 _____
1270	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM		 LUMP SUM	_____	 _____
1280	652.38 FLAGGER	600.000 HR	_____	 _____	_____	 _____
1290	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023120.00 Project(s): 023120.00

SECTION: 1 INITIAL GROUP

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
1300	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP	SUM	_____	_____
1310	659.10 MOBILIZATION	LUMP SUM	LUMP	SUM	_____	_____
1320	660.21 ON-THE-JOB TRAINING (BID)	1,000.000 HR	_____	_____	_____	_____
1330	801.03 TEST PITS	2.000 EA	_____	_____	_____	_____
Section: 1			Total:		_____	_____
			Total Bid:		_____	_____

SPECIAL PROVISION

SECTION 107

TIME

(Scheduling of Work, Supplemental Liquidated Damages & Contract Completion Date)

Essex Street and Vaughn Road at the Project site may be closed to all traffic during this Project. The Project shall be Substantially Complete, as defined below, on, or before, **December 1, 2027**.

The Project shall be considered Substantially Complete when one lane of traffic in each direction is maintained on the Structure and approaches and the following items are complete, in place, inspected and accepted: base pavement on the approaches, saw cut grooving on the bridge, temporary pavement ramps, guardrail, guardrail end treatments, permanent concrete barrier, and bridge transition. The Resident will be the sole authority as to when the Project is considered Substantially Complete. Roadways shall be cleaned of all debris and construction materials to the satisfaction of the Resident, prior to reopening the Project roadway to traffic.

Temporary lane closures with one-way alternating traffic may be allowed during daylight working hours before and after the closure period, as approved by the Resident, and controlled through work areas by Flaggers. Nighttime temporary lane closures will not be allowed.

The Contractor will be assessed Supplemental Liquidated Damages at the rate of One Thousand Dollars (\$1,000.00) per Day, or portion of a Day, that the Project is not Substantially Complete after the interim milestone date by which the Project is required to be Substantially Complete, as defined above. This assessment of Supplemental Liquidated Damages will be in addition to the Liquidated Damages specified in Standard Specifications Section 107.

The specified Contract Completion Date is **October 15, 2028**.

Pictures taken in 2016 during low water



Looking upstream near the middle of the river.

Note: The active water main is located immediately upstream of the remains of the old pier foundation.



Looking West toward abutment #1 on upstream side of Dover Bridge



Looking downstream near northwest end of the Dover Bridge



Looking Northerly at water main near northerly abutment



Looking at water main on upstream side of bridge near southerly abutment

GENERAL CONSTRUCTION NOTES

1. For easements, construction limits, and right of way lines, refer to the Right of Way Map.
2. The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be considered incidental to Contract items.
3. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.
4. Existing signs within the Project limits shall be removed and reset as directed by the Resident. Payment for removal and reinstallation of existing signs will be considered incidental to the Contract. No separate payment will be made.
5. All aluminum bridge rail, rail posts, and associated hardware which are to be removed shall be carefully salvaged by the Contractor and will remain the property of the Department.
6. Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Resident.
7. 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.
8. All embankment material, except as otherwise shown, placed below EL. 336 shall be Granular Borrow meeting the requirements of Standard Specifications Subsection 703.19, Granular Borrow, for Material for Underwater Backfill.
9. Place riprap on sideslopes up to EL. 336.
10. Construct the riprap shelf at EL. 332 at Abutment No. 1 and at EL. 329 at Abutment No. 2.
11. Place loam 2 inches deep on all new or reconstructed sideslopes or as directed by the Resident.
12. Erosion Control Mix may be substituted in those areas normally receiving loam and seed as directed by the Resident. Placement shall be in accordance with Standard Specifications Section 619, Mulch. Payment will be made under Pay Item 619.14, Erosion Control Mix.
13. Place a 24 inch wide strip of Erosion Control Blanket on the sideslopes along the top of the riprap and behind the wingwalls.
14. A MASH compliant guardrail end treatment shall be installed concurrently with the placement of each section of beam guardrail.
15. Where it is apparent that runoff will cause continual erosion, Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed. Payment will be made under the appropriate Contract items.

16. Protective Coating for Concrete Surfaces shall be applied to the following areas:
 All exposed surfaces of concrete curbs and sidewalks,
 Fascias down to the drip notch,
 All exposed surfaces of Concrete Transition Barriers,
 Concrete wearing surfaces,
 Concrete bridge railing,
 Top of abutment backwalls and wingwalls, and
 To one foot below the ground on vertical walls against earth.

17. Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/dot/doingbusiness/bid-opportunities>

18. The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.

19. Reports on hydrology and/or hydraulics applicable to the bridge site may be accessed at the MaineDOT web address. The reports are based on MaineDOT's interpretation of the information obtained for the subject site. No assurance is given that the information or the conclusions of the report will be representative of actual conditions at the time of construction.

20. The project geotechnical report titled: Geotechnical Design Report Dover Bridge #5118 over Piscataquis River, August 27, 2025 may be accessed at the MaineDOT web address.

21. Geotechnical information furnished or referred to in this plan set is for the use of the Bidders and the Contractor. No assurance is given that the information or interpretations will be representative of actual subsurface conditions at the construction site. MaineDOT will not be responsible for the Bidders' or Contractor's interpretations of, or conclusions drawn from, the geotechnical information. The boring logs contained in the plan set present factual and interpretive subsurface information collected at discrete locations. Data provided may not be representative of the subsurface conditions between the boring locations.

22. Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:

- a. If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.
- b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.
- c. If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation and Time.

23. The Contractor shall submit a Bridge Demolition Plan to the Resident at least 10 business days prior to the start of demolition work. The plan shall outline the methods and equipment to be used to remove and dispose of all materials included in the existing bridge. No work related to the removal of the bridge shall be undertaken by the Contractor until MaineDOT has reviewed the Bridge Demolition Plan for appropriateness and completeness. Payment for all work necessary for developing, submitting, and finalizing the Demolition Plan will be considered incidental to the bridge removal pay item.

24. The existing bridge shall be removed by and become the property of the Contractor. The steel portions of the existing bridge may be coated with a lead-based paint system. The Contractor is responsible for the containment, proper management and disposal of all lead-contaminated hazardous waste generated by the process of demolishing the bridge. The Contractor is responsible for implementing appropriate OSHA mandated personal protection standards related to this process. Once the existing bridge is removed, the Contractor is solely responsible for the care, custody, and control of the components of the existing bridge and any hazardous waste generated as a result of the storage, recycling, or disposal of the bridge components, including lead-coated steel. The Contractor shall recycle or reuse the steel in accordance with the Maine Department of Environmental Protection's "Maine Hazardous Waste Management Regulations," Chapter 850. A copy of this regulation is available at MaineDOT's offices on Child Street in Augusta. Payment for all labor, materials, equipment, and other costs required to remove and dispose of the existing bridge will be considered incidental to the bridge removal pay item.

25. The Contractor shall provide continuous access to the driveway at Sta. 102+70 Rt. and the stairs that lead down to the dam at Sta. 103+00 Rt. Temporary support for the stairs shall be paid for under Item 524.30 Temporary Structural Support.

26. The "Essex Street Dental" sign located at the corner of Essex Street and Vaughn Road at Sta. 106+85 Rt. along with the landscaping underneath the sign shall not be disturbed by the Contractor.

27. The flower boxes on the existing bridge are the property of the Town of Dover-Foxcroft. The Contractor shall contact Town officials to have them removed from the bridge prior to bridge removal.

28. The existing bridge substructures shall be removed to 1'-0" below streambed, with the exception that the existing abutments and center pier shall be removed entirely and the remains of the existing stacked granite pier within 5 feet of the water main shall remain in place.



Date: 10/27/2025

Username: common

Division: BRIDGE

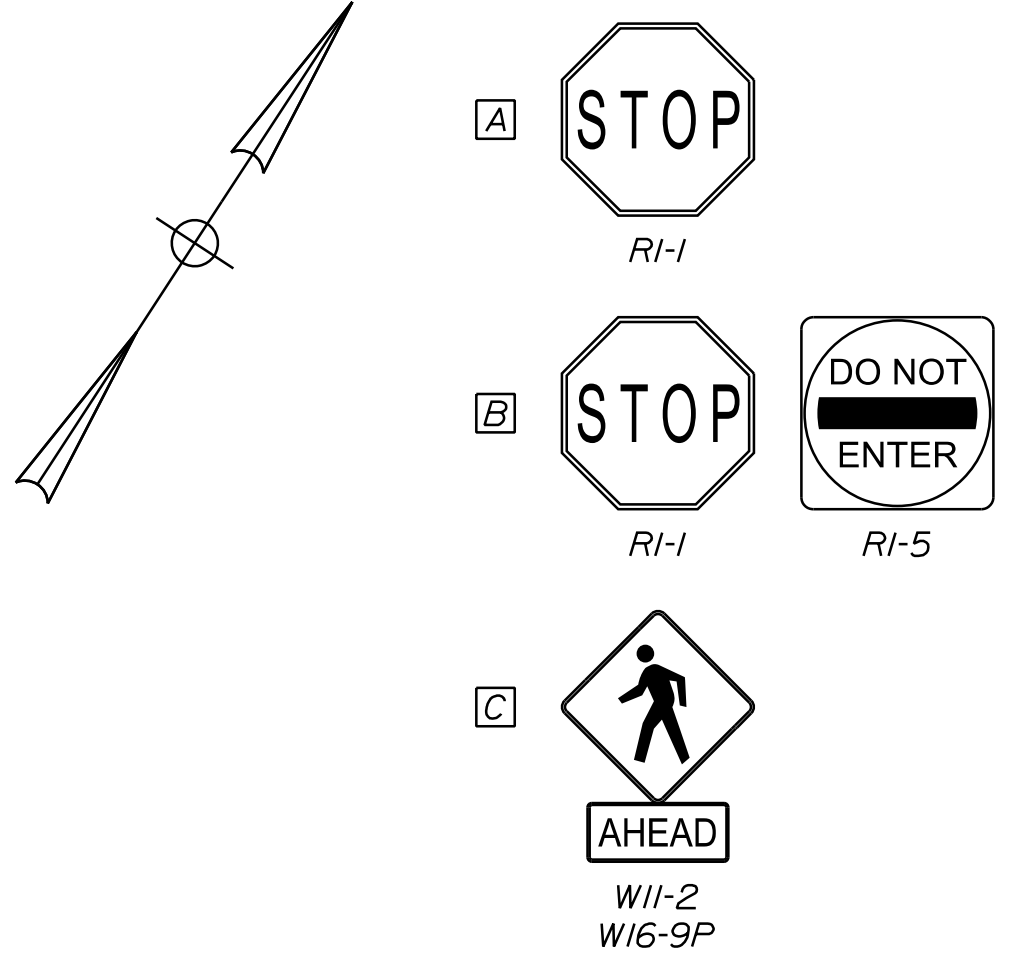
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DOVER BRIDGE		PISCATAQUIS RIVER		DOVER-FOXCROFT		PISCATAQUIS COUNTY		GENERAL CONSTRUCTION NOTES		SHEET NUMBER	
3		3		3		3		3		3	
Thornton Tomasetti		Thornton Tomasetti		Thornton Tomasetti		Thornton Tomasetti		Thornton Tomasetti		Thornton Tomasetti	
OF 64		OF 64		OF 64		OF 64		OF 64		OF 64	

PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	D. BURGESS	8/22/25
CHECKED-REVIEWED	J. BROWNELL	8/22/25
DESIGN-DETAILED		
REVISIONS 1	NOTE 28	10/21/25
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

DESIGN-DETAILED	BY	DATE	SIGNATURE
CHECKED-REVIEWED			
DESIGN-DETAILED			
REVISIONS 1	NOTE 28	10/21/25	P.E. NUMBER
REVISIONS 2			
REVISIONS 3			DATE
REVISIONS 4			
FIELD CHANGES			

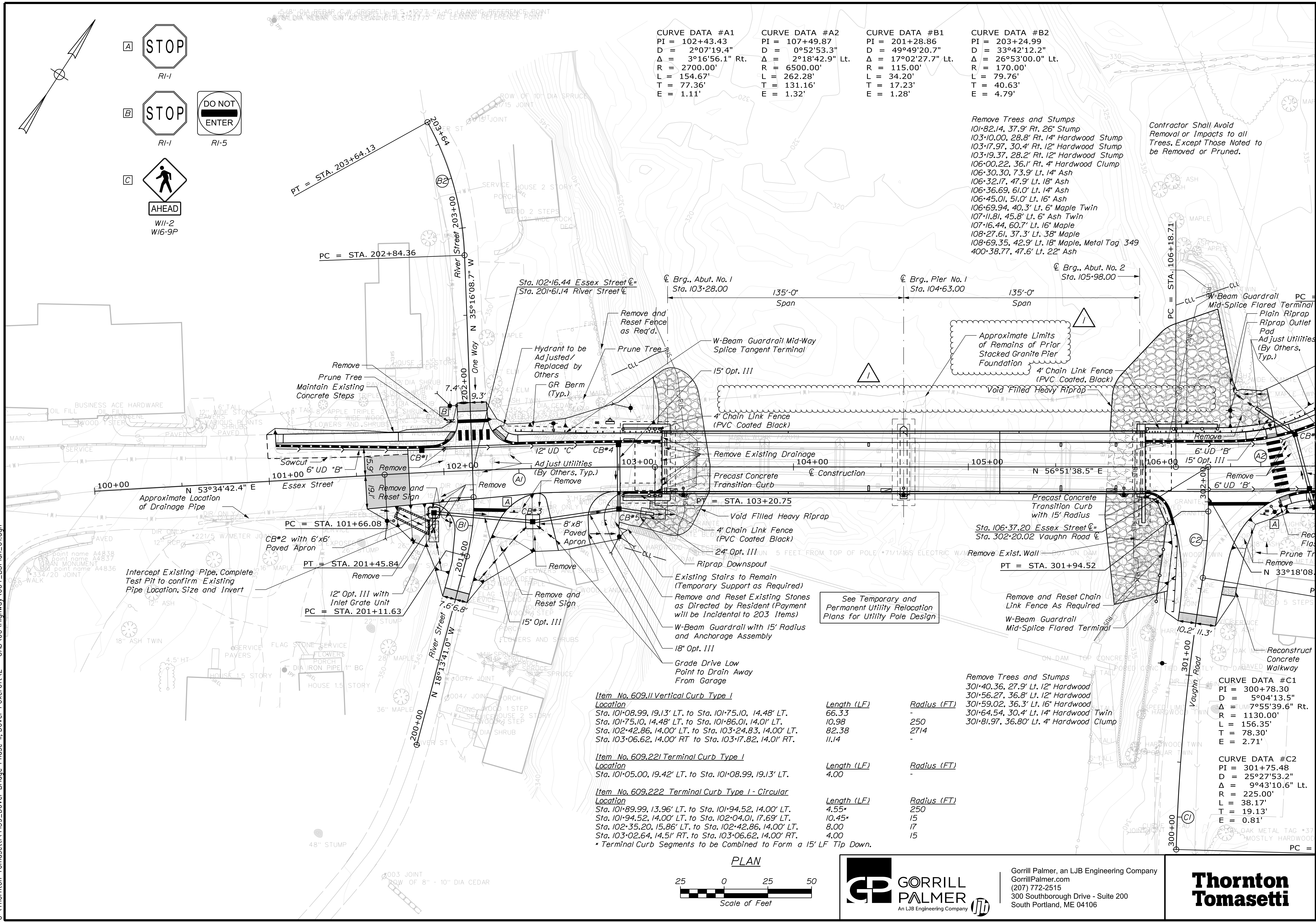
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 Division: HIGHWAY
 Username: Matt.Richard
 Date: 10/27/2025



CURVE DATA #A1	CURVE DATA #A2	CURVE DATA #B1	CURVE DATA #B2
PI = 102+43.43	PI = 107+49.87	PI = 201+28.86	PI = 203+24.99
D = 2°07'19.4"	D = 0°52'53.3"	D = 49°49'20.7"	D = 33°42'12.2"
Δ = 3°16'56.1" Rt.	Δ = 2°18'42.9" Lt.	Δ = 17°02'27.7" Lt.	Δ = 26°53'00.0" Rt.
R = 2700.00'	R = 6500.00'	R = 115.00'	R = 170.00'
L = 154.67'	L = 262.28'	L = 34.20'	L = 79.76'
T = 77.36'	T = 131.16'	T = 17.23'	T = 40.63'
E = 1.11'	E = 1.32'	E = 1.28'	E = 4.79'

Remove Trees and Stumps
 101+82.14, 37.9' Rt. 26" Stump
 103+10.00, 28.8' Rt. 14" Hardwood Stump
 103+17.97, 30.4' Rt. 12" Hardwood Stump
 103+19.37, 28.2' Rt. 12" Hardwood Stump
 106+00.22, 36.1' Rt. 4" Hardwood Clump
 106+30.30, 73.9' Lt. 14" Ash
 106+32.17, 47.9' Lt. 18" Ash
 106+36.69, 61.0' Lt. 14" Ash
 106+45.01, 51.0' Lt. 16" Ash
 106+69.94, 40.3' Lt. 6" Maple Twin
 107+11.81, 45.8' Lt. 6" Ash Twin
 107+16.44, 60.7' Lt. 16" Maple
 108+27.61, 37.3' Lt. 38" Maple
 108+69.35, 42.9' Lt. 18" Maple, Metal Tag 349
 400+38.77, 47.6' Lt. 22" Ash

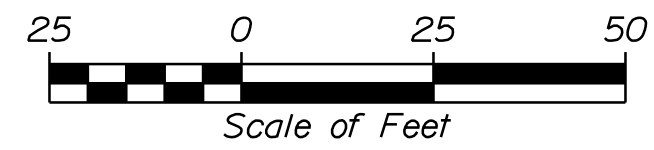
Contractor Shall Avoid
 Removal or Impacts to all
 Trees, Except Those Noted to
 be Removed or Pruned.



Item No.	Location	Length (LF)	Radius (FT)
609.11	Vertical Curb Type I		
	Sta. 101+08.99, 19.13' LT. to Sta. 101+75.10, 14.48' LT.	66.33	-
	Sta. 101+75.10, 14.48' LT. to Sta. 101+86.01, 14.01' LT.	10.98	250
	Sta. 102+42.86, 14.00' LT. to Sta. 103+24.83, 14.00' LT.	82.38	2714
	Sta. 103+06.62, 14.00' RT. to Sta. 103+17.82, 14.01' RT.	11.14	-
609.221	Terminal Curb Type I		
	Sta. 101+05.00, 19.42' LT. to Sta. 101+08.99, 19.13' LT.	4.00	-
609.222	Terminal Curb Type I - Circular		
	Sta. 101+89.99, 13.96' LT. to Sta. 101+94.52, 14.00' LT.	4.55	250
	Sta. 101+94.52, 14.00' LT. to Sta. 102+04.01, 17.69' LT.	10.45	15
	Sta. 102+35.20, 15.86' LT. to Sta. 102+42.86, 14.00' LT.	8.00	17
	Sta. 103+02.64, 14.51' RT. to Sta. 103+06.62, 14.00' RT.	4.00	15

* Terminal Curb Segments to be Combined to Form a 15' LF Tip Down.

PLAN



Gorrill Palmer, an LJB Engineering Company
 GorrillPalmer.com
 (207) 772-2515
 300 Southborough Drive - Suite 200
 South Portland, ME 04106



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	STP-2312(000)	WIN 023120.00	BRIDGE PLANS 5118
DOVER BRIDGE PISCATAQUIS RIVER DOVER-FOXCROFT PISCATAQUIS COUNTY	GENERAL PLANS		
SHEET NUMBER	4		
OF 64			

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 Division: HIGHWAY
 Username: Matt.Richard
 Date: 10/27/2025

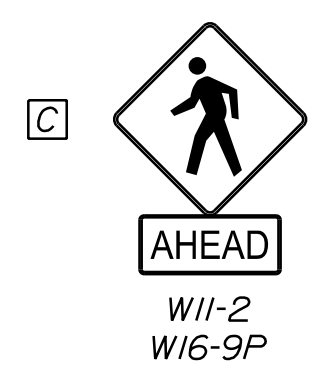
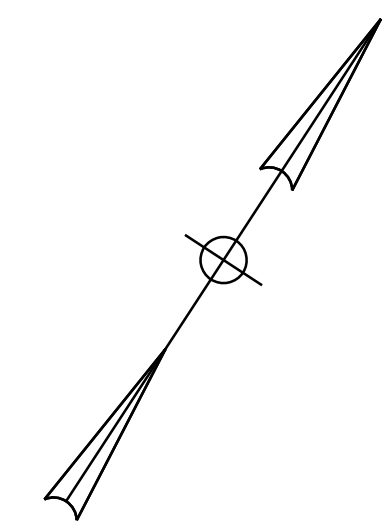
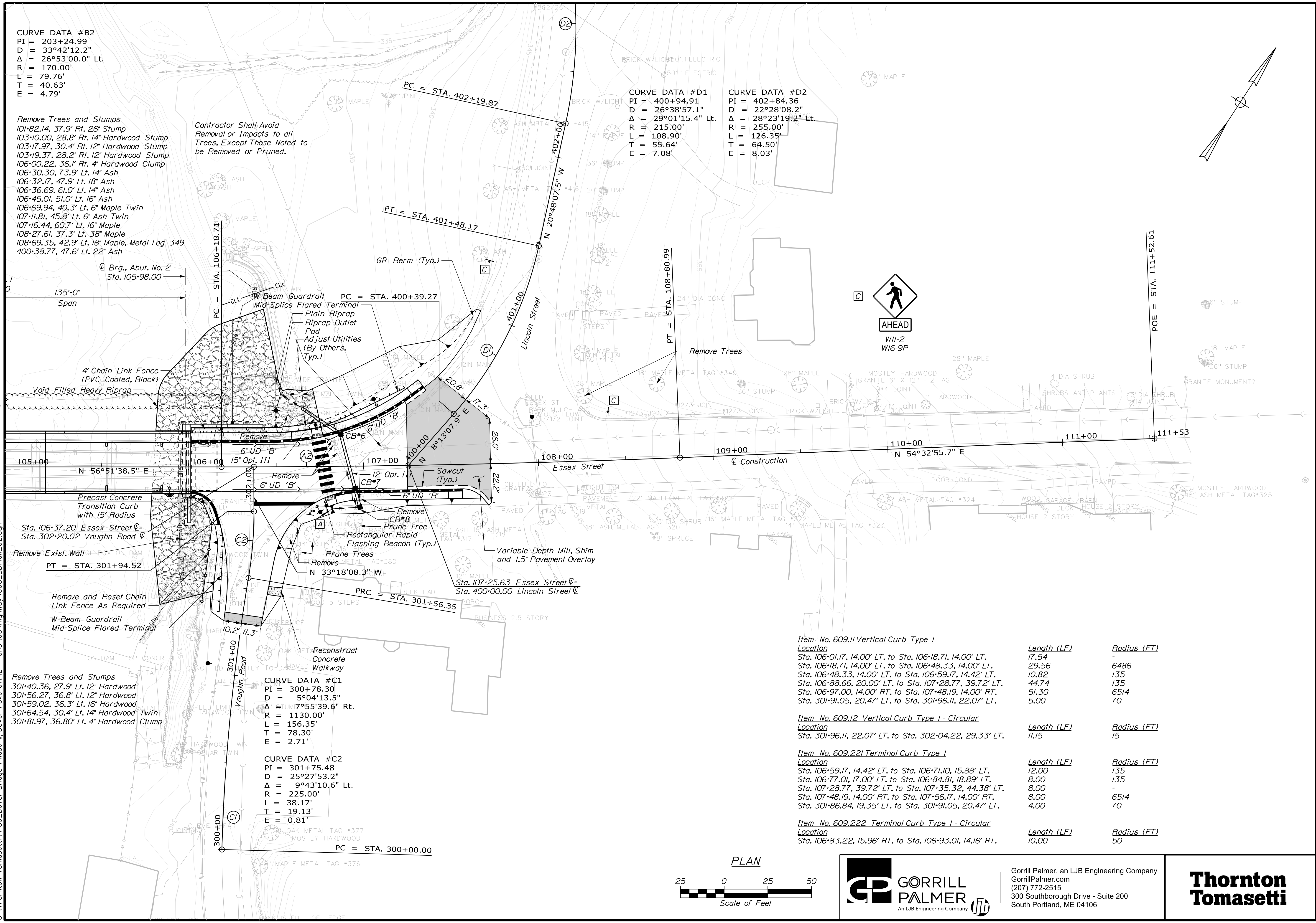
CURVE DATA #B2
 PI = 203+24.99
 D = 33°42'12.2"
 Δ = 26°53'00.0" Lt.
 R = 170.00'
 L = 79.76'
 T = 40.63'
 E = 4.79'

Remove Trees and Stumps
 101+82.14, 37.9' Rt. 26" Stump
 103+10.00, 28.8' Rt. 14" Hardwood Stump
 103+17.97, 30.4' Rt. 12" Hardwood Stump
 103+19.37, 28.2' Rt. 12" Hardwood Stump
 106+00.22, 36.1' Rt. 4" Hardwood Clump
 106+30.30, 73.9' Lt. 14" Ash
 106+32.17, 47.9' Lt. 18" Ash
 106+36.69, 61.0' Lt. 14" Ash
 106+45.01, 51.0' Lt. 16" Ash
 106+69.94, 40.3' Lt. 6" Maple Twin
 107+11.81, 45.8' Lt. 6" Ash Twin
 107+16.44, 60.7' Lt. 16" Maple
 108+27.61, 37.3' Lt. 38" Maple
 108+69.35, 42.9' Lt. 18" Maple, Metal Tag 349
 400+38.77, 47.6' Lt. 22" Ash

Contractor Shall Avoid
 Removal or Impacts to all
 Trees, Except Those Noted to
 be Removed or Pruned.

CURVE DATA #D1
 PI = 400+94.91
 D = 26°38'57.1"
 Δ = 29°01'15.4" Lt.
 R = 215.00'
 L = 108.90'
 T = 55.64'
 E = 7.08'

CURVE DATA #D2
 PI = 402+84.36
 D = 22°28'08.2"
 Δ = 28°23'19.2" Lt.
 R = 255.00'
 L = 126.35'
 T = 64.50'
 E = 8.03'



135'-0" Span
 4' Chain Link Fence (PVC Coated, Black)
 Void Filled Heavy Riprap

Remove and Reset Chain Link Fence As Required
 W-Beam Guardrail Mid-Splice Flared Terminal

Precast Concrete Transition Curb with 15' Radius
 Sta. 106+37.20 Essex Street C/L
 Sta. 302+20.02 Vaughn Road C/L

Remove Trees and Stumps
 301+40.36, 27.9' Lt. 12" Hardwood
 301+56.27, 36.8' Lt. 12" Hardwood
 301+59.02, 36.3' Lt. 16" Hardwood
 301+64.54, 30.4' Lt. 14" Hardwood Twin
 301+81.97, 36.80' Lt. 4" Hardwood Clump

CURVE DATA #C1
 PI = 300+78.30
 D = 5°04'13.5"
 Δ = 7°55'39.6" Rt.
 R = 1130.00'
 L = 156.35'
 T = 78.30'
 E = 2.71'

CURVE DATA #C2
 PI = 301+75.48
 D = 25°27'53.2"
 Δ = 9°43'10.6" Lt.
 R = 225.00'
 L = 38.17'
 T = 19.13'
 E = 0.81'

Item No. 609.11 Vertical Curb Type I

Location	Length (LF)	Radius (FT)
Sta. 106+01.17, 14.00' LT. to Sta. 106+18.71, 14.00' LT.	17.54	-
Sta. 106+18.71, 14.00' LT. to Sta. 106+48.33, 14.00' LT.	29.56	6486
Sta. 106+48.33, 14.00' LT. to Sta. 106+59.17, 14.42' LT.	10.82	135
Sta. 106+88.66, 20.00' LT. to Sta. 107+28.77, 39.72' LT.	44.74	135
Sta. 106+97.00, 14.00' RT. to Sta. 107+48.19, 14.00' RT.	51.30	6514
Sta. 301+91.05, 20.47' LT. to Sta. 301+96.11, 22.07' LT.	5.00	70

Item No. 609.12 Vertical Curb Type I - Circular

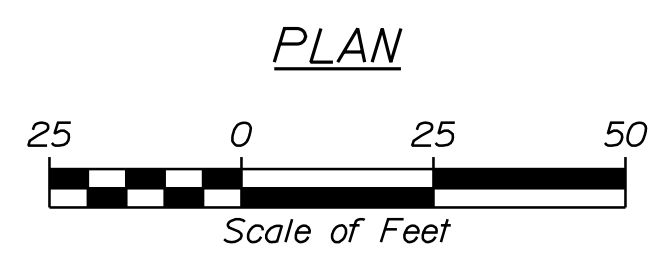
Location	Length (LF)	Radius (FT)
Sta. 301+96.11, 22.07' LT. to Sta. 302+04.22, 29.33' LT.	11.15	15

Item No. 609.221 Terminal Curb Type I

Location	Length (LF)	Radius (FT)
Sta. 106+59.17, 14.42' LT. to Sta. 106+71.10, 15.88' LT.	12.00	135
Sta. 106+77.01, 17.00' LT. to Sta. 106+84.81, 18.89' LT.	8.00	135
Sta. 107+28.77, 39.72' LT. to Sta. 107+35.32, 44.38' LT.	8.00	-
Sta. 107+48.19, 14.00' RT. to Sta. 107+56.17, 14.00' RT.	8.00	6514
Sta. 301+86.84, 19.35' LT. to Sta. 301+91.05, 20.47' LT.	4.00	70

Item No. 609.222 Terminal Curb Type I - Circular

Location	Length (LF)	Radius (FT)
Sta. 106+83.22, 15.96' RT. to Sta. 106+93.01, 14.16' RT.	10.00	50



Gorrill Palmer, an LJB Engineering Company
 GorrillPalmer.com
 (207) 772-2515
 300 Southborough Drive - Suite 200
 South Portland, ME 04106



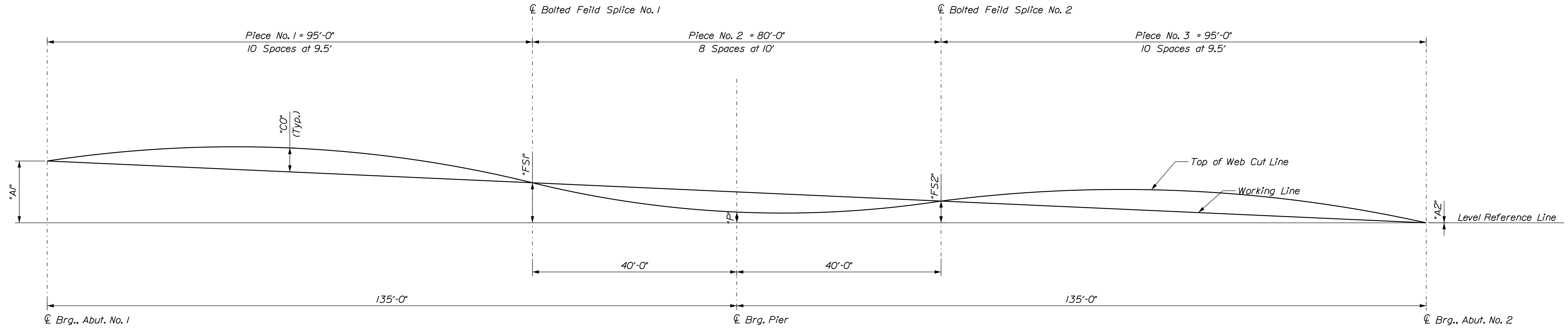
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	STP-2312(000)	WIN 023120.00	BRIDGE PLANS
DOVER BRIDGE PISCATAQUIS RIVER DOVER-FOXCROFT PISCATAQUIS COUNTY	GENERAL PLANS		
SHEET NUMBER	5		
		OF 64	

Date: 10/23/2025

Username: common

Division: BRIDGE

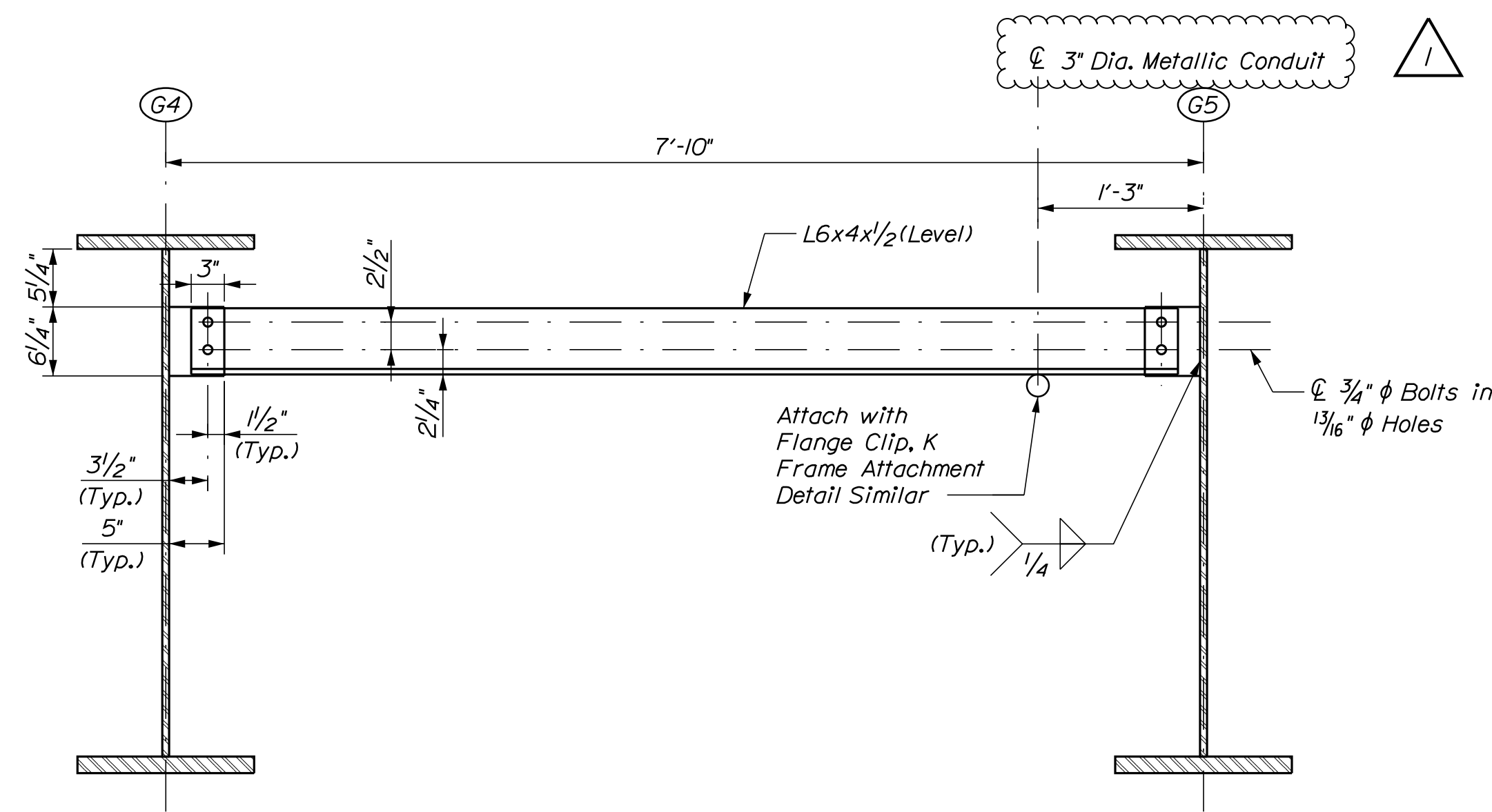
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CAMBER DETAIL

TABLE OF CAMBER ORDINATES "CO" (INCHES)												
PIECE NO. 1												
GIRDER	CL BRG. ABUT. NO. 1	9.5'	19'	28.5'	38'	47.5'	57'	66.5'	76'	85.5'	FIELD SPLICE NO. 1	GIRDER
G1 & G5	0.00	0.71	1.33	1.85	2.16	2.25	2.16	1.86	1.34	0.71	0.00	G1 & G5
G2-G4	0.00	0.79	1.48	2.05	2.39	2.49	2.39	2.06	1.48	0.78	0.00	G2-G4
PIECE NO. 2												
GIRDER	FIELD SPLICE NO. 1	10'	20'	30'	CL PIER	50'	60'	70'	FIELD SPLICE NO. 2	GIRDER		
G2-G4	0.00	-0.059	-1.08	-1.42	-1.58	-1.42	-1.08	-0.59	0.00	G1 & G5		
G2-G4	0.00	-0.65	-1.19	-1.57	-1.74	-1.57	-1.19	-0.65	0.00	G2-G4		
PIECE NO. 3												
GIRDER	FIELD SPLICE NO. 2	9.5'	19'	28.5'	38'	47.5'	57'	66.5'	76'	85.5'	CL BRG. ABUT. NO. 2	GIRDER
G1 & G5	0.00	0.71	1.33	1.85	2.16	2.25	2.16	1.86	1.34	0.71	0.00	G1 & G5
G2-G4	0.00	0.79	1.48	2.05	2.39	2.49	2.39	2.06	1.48	0.78	0.00	G2-G4

TABLE OF CAMBER DIMENSIONS (FEET)						
GIRDER	"A1"	"FS1"	"P"	"FS2"	"A2"	
G1	2.70	1.88	1.35	1.08	0	
G2	2.70	1.90	1.35	1.08	0	
G3	2.70	1.90	1.35	1.08	0	
G4	2.70	1.90	1.35	1.08	0	
G5	2.70	1.88	1.35	1.08	0	



UTILITY SUPPORT TYPE T2

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2312000

WIN
023120.00

5118

BRIDGE PLANS

DATE

BY

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DOVER BRIDGE
PISCATAQUIS RIVER
DOVER-FOXCROFT PISCATAQUIS COUNTY

GIRDER DETAILS (2 OF 2)

SHEET NUMBER

47

OF 64

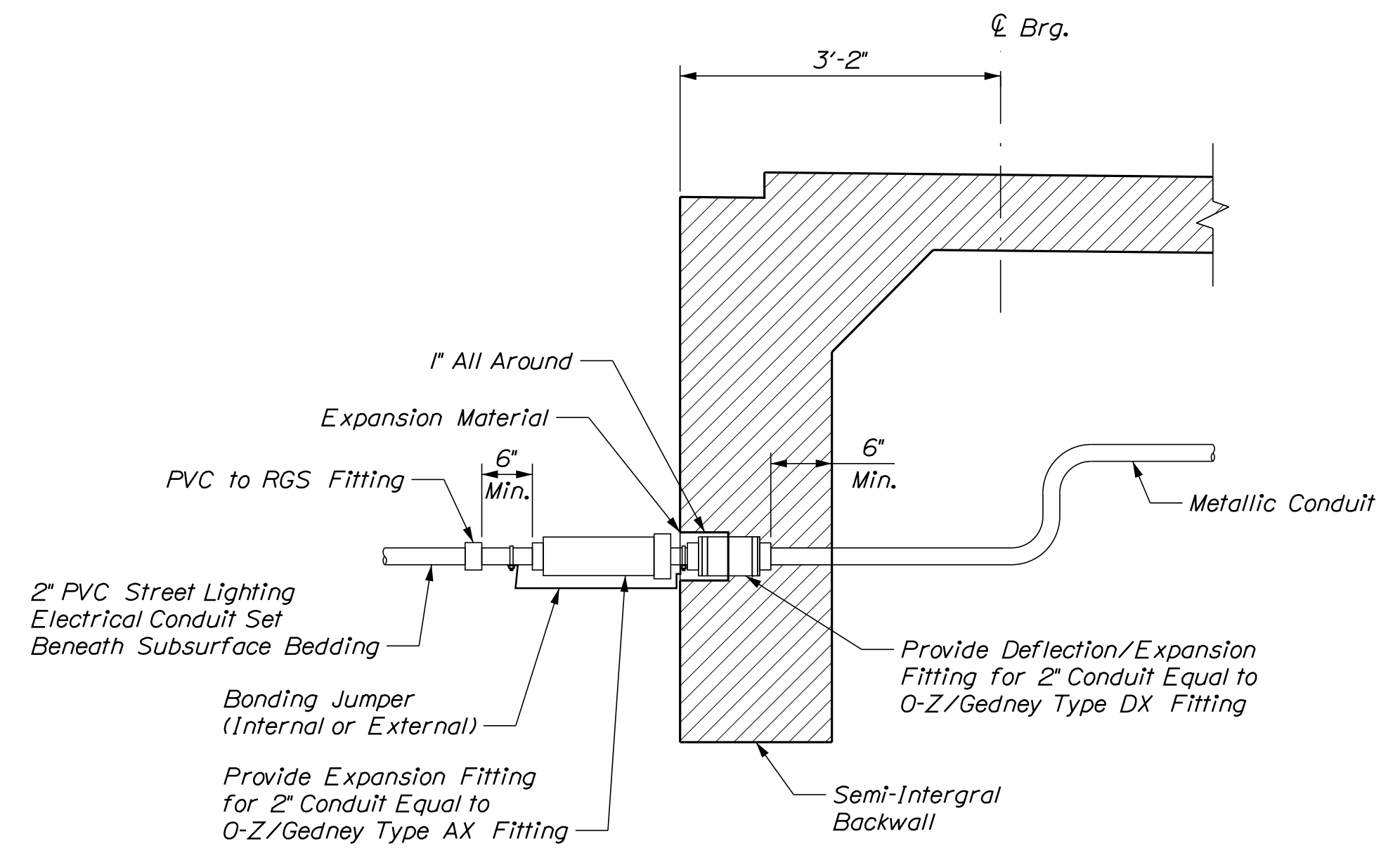
**Thornton
Tomasetti**

Date: 10/27/2025

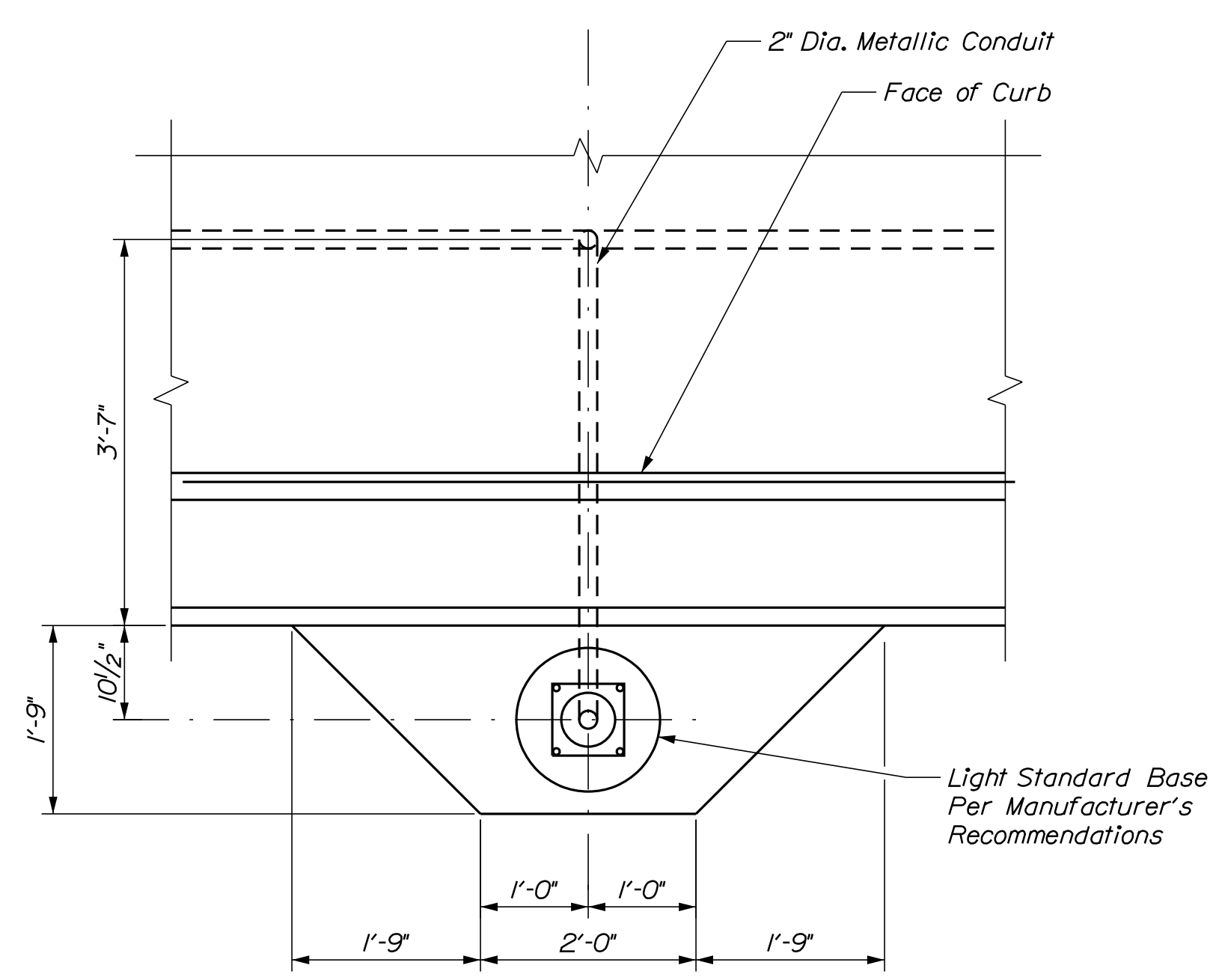
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Division: BRIDGE

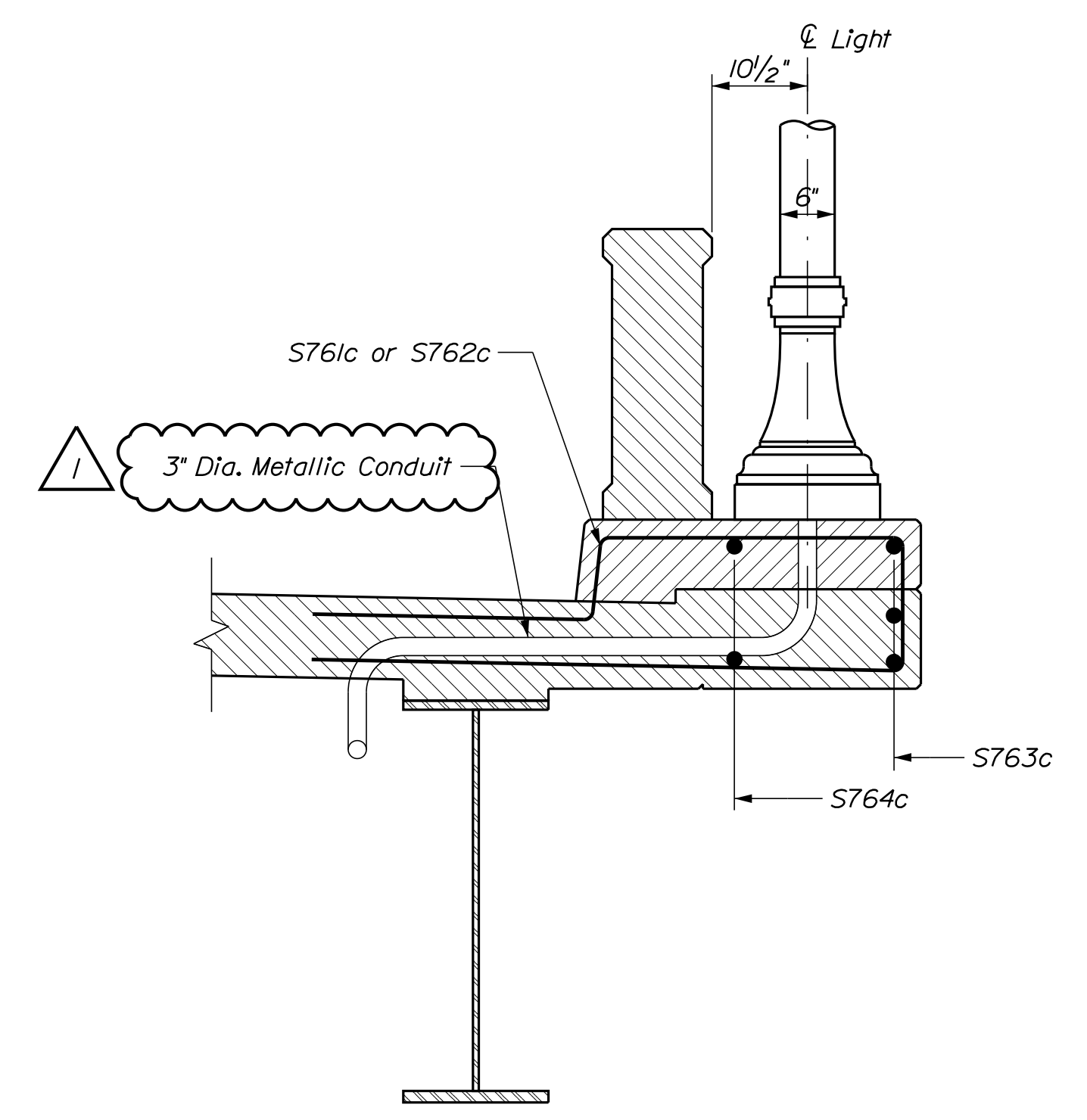
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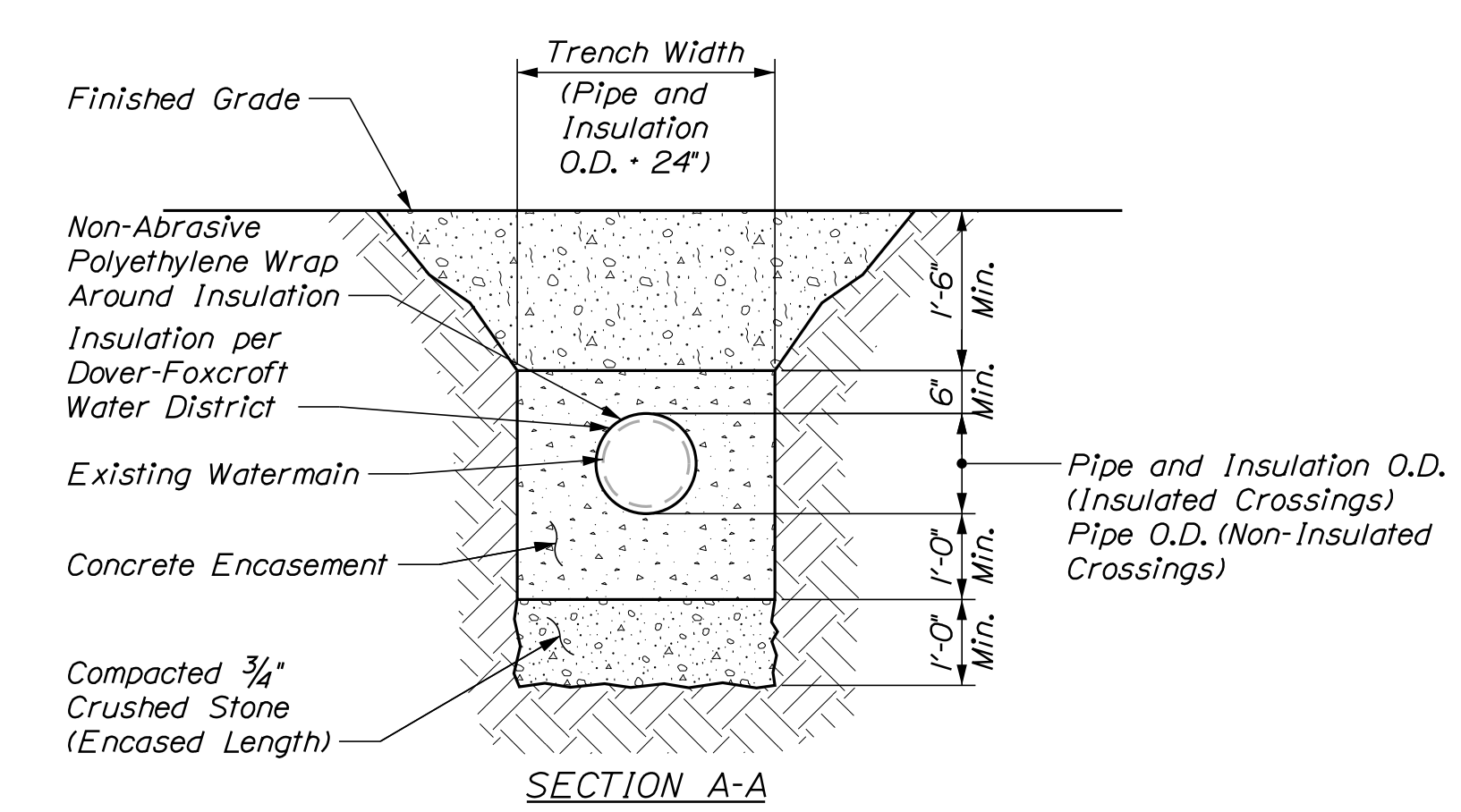
SECTION AT STREET LIGHTING CONDUIT



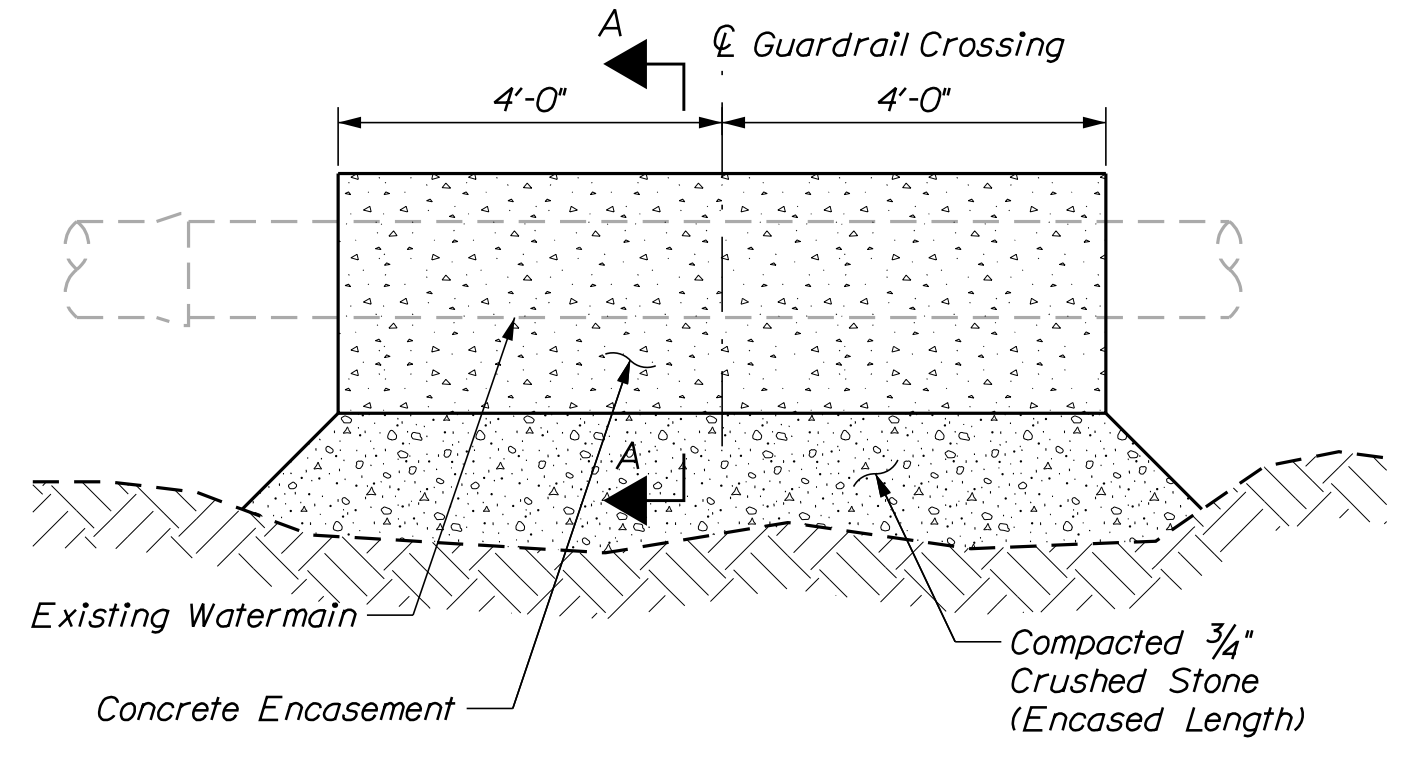
LIGHT STANDARD SUPPORT PLAN



LIGHT STANDARD SUPPORT SECTION



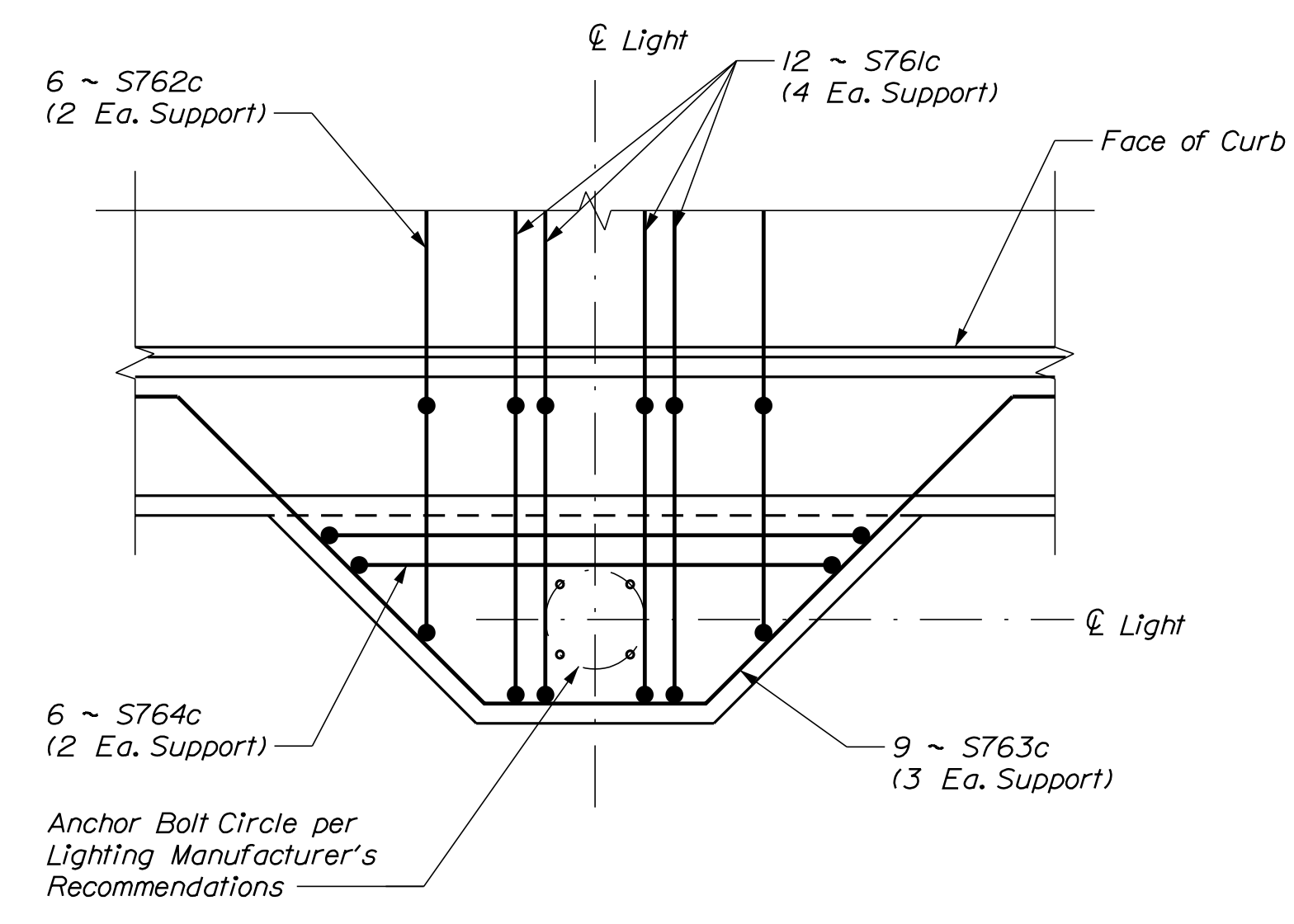
SECTION A-A



CONCRETE UTILITY ENCASEMENT

NOTES:

1. Provide utility encasement at all guardrail crossings with less than 5'-0" cover. Guardrail crossing encasements shall be 8'-0" in length, centered on the guardrail.
2. Pipe, insulation and jacket shall be wrapped with polyethylene prior to placement of concrete.
3. Provide compacted 3/4" crushed stone bedding for encase concrete segments.
4. Utility encasement will not be paid for directly, but will be considered incidental to related Contract Items.



LIGHT STANDARD SUPPORT REINFORCEMENT PLAN

PROJ. MANAGER	BY	DATE
DESIGN-DETAILED: P. POMEROY	D. BURGESS	8/22/25
CHECKED-REVIEWED: E. BROWNELL	J. BURGESS	8/22/25
DESIGN-DETAILED:	Added Detail, Conduit Size	10/27/25
REVISIONS 1:		
REVISIONS 2:		
REVISIONS 3:		
REVISIONS 4:		
FIELD CHANGES:		

SIGNATURE	P.E. NUMBER	DATE

DOVER BRIDGE
PISCATAQUIS RIVER
DOVER-FOXCROFT PISCATAQUIS COUNTY
SUPERSTRUCTURE DETAILS
(1 OF 2)

SHEET NUMBER

55

OF 64

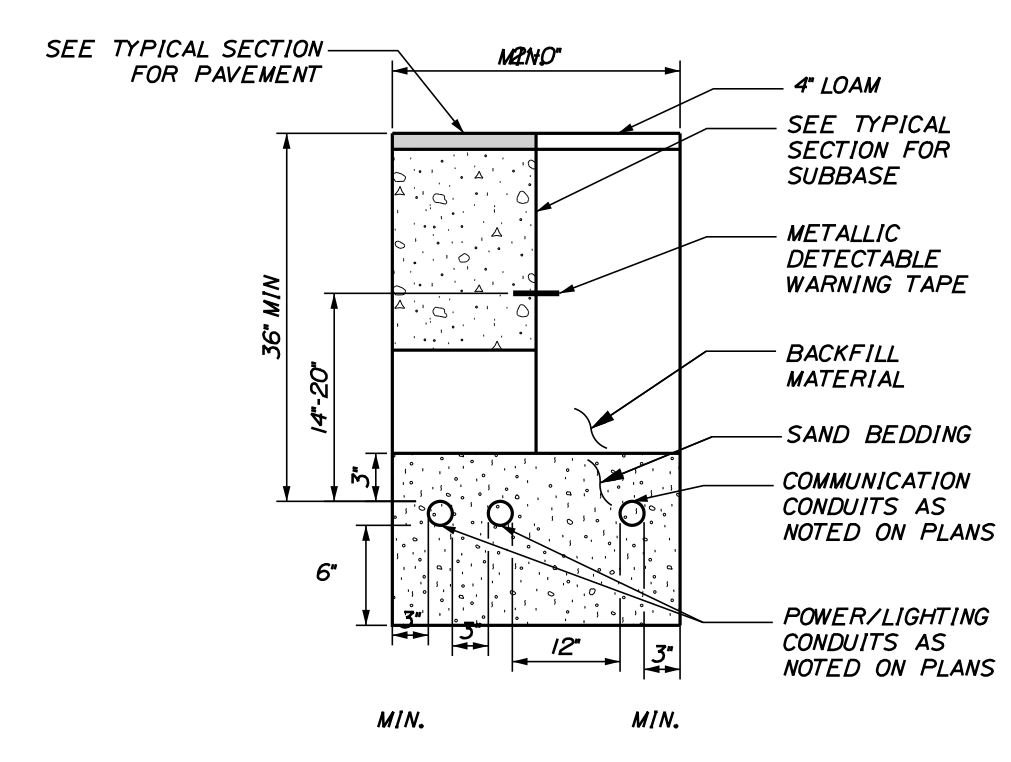


Date: 10/23/2025

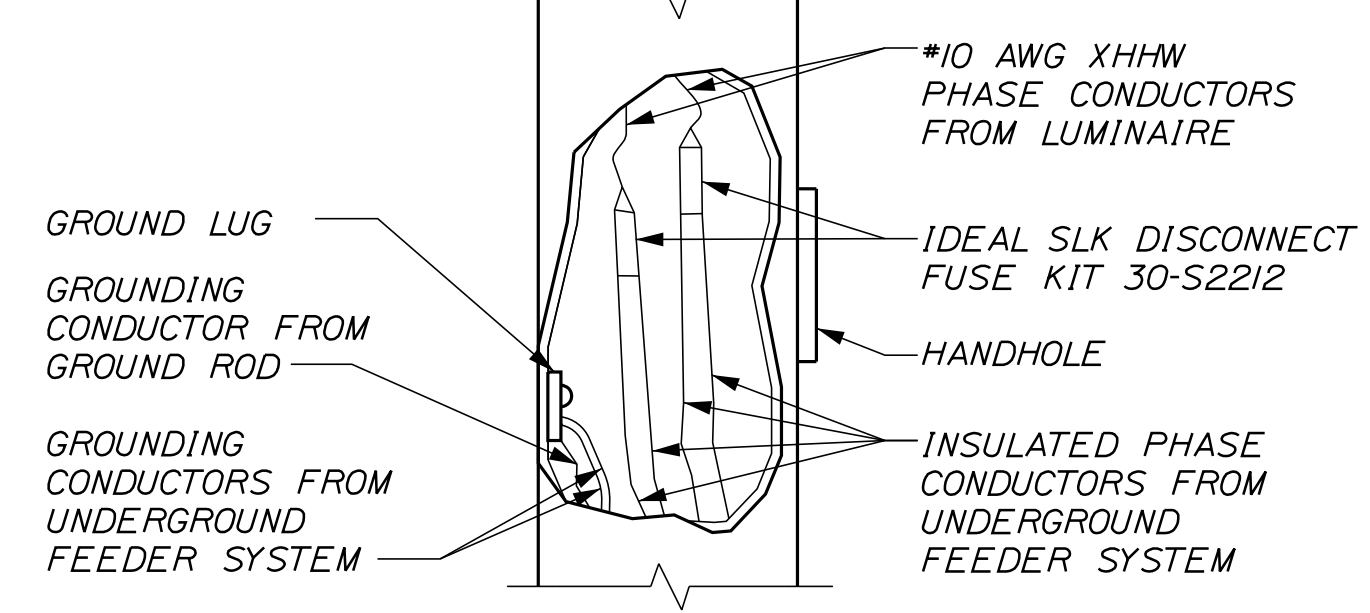
Username: common

Division: BRIDGE

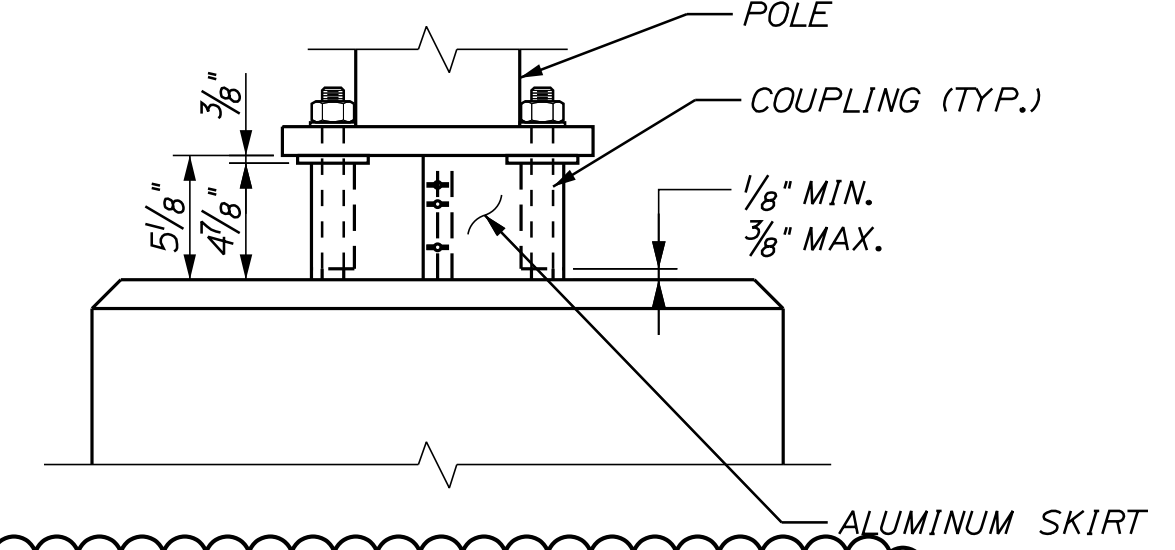
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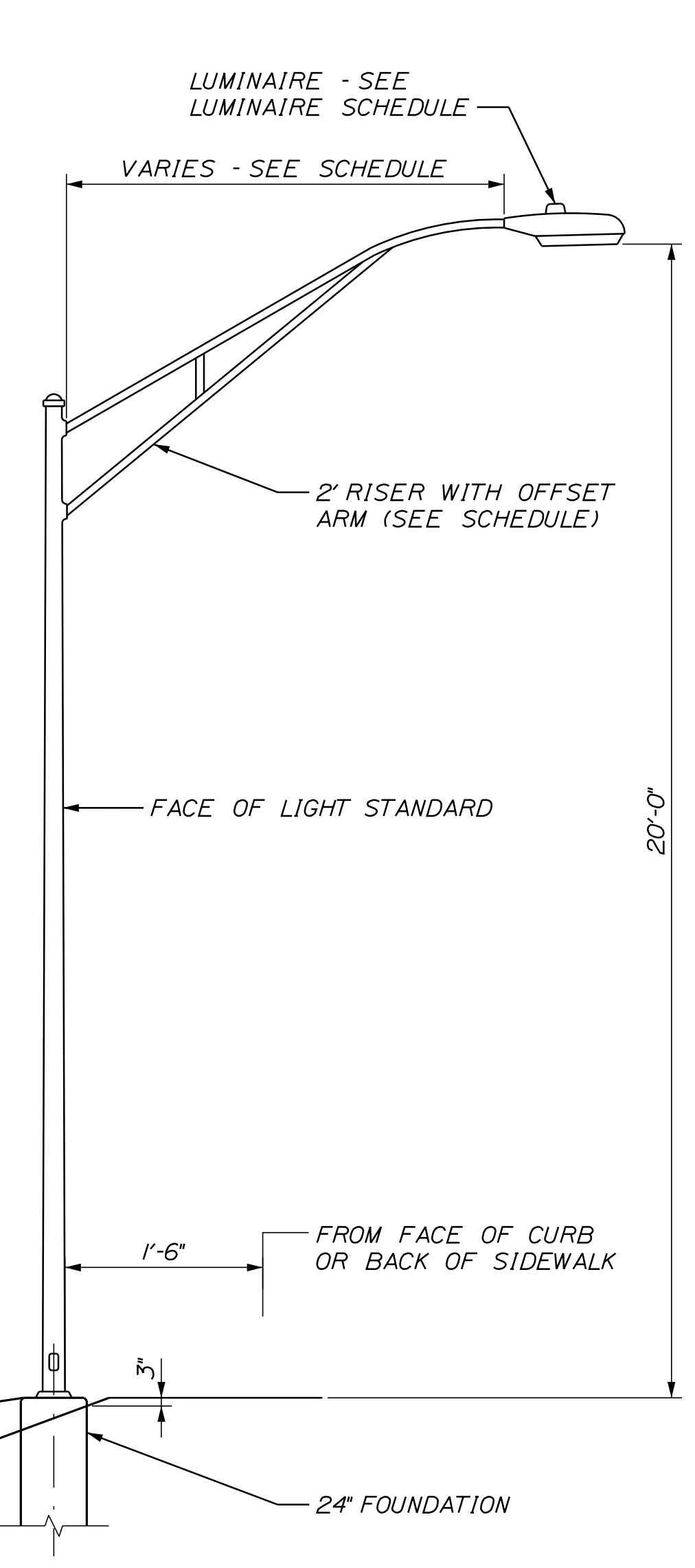
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NOT TO SCALE



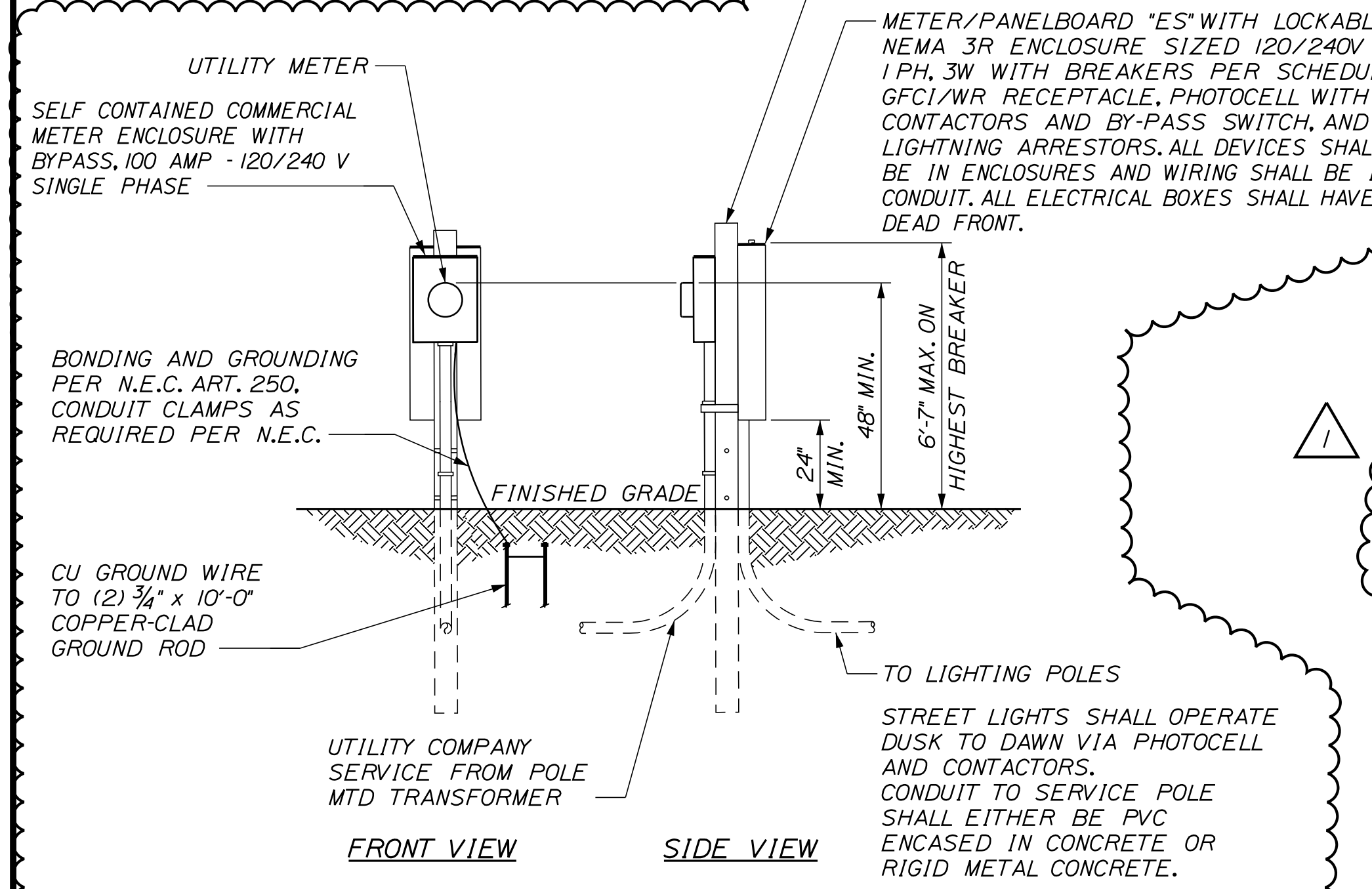
TYPICAL POLE WIRING DETAIL
NOT TO SCALE



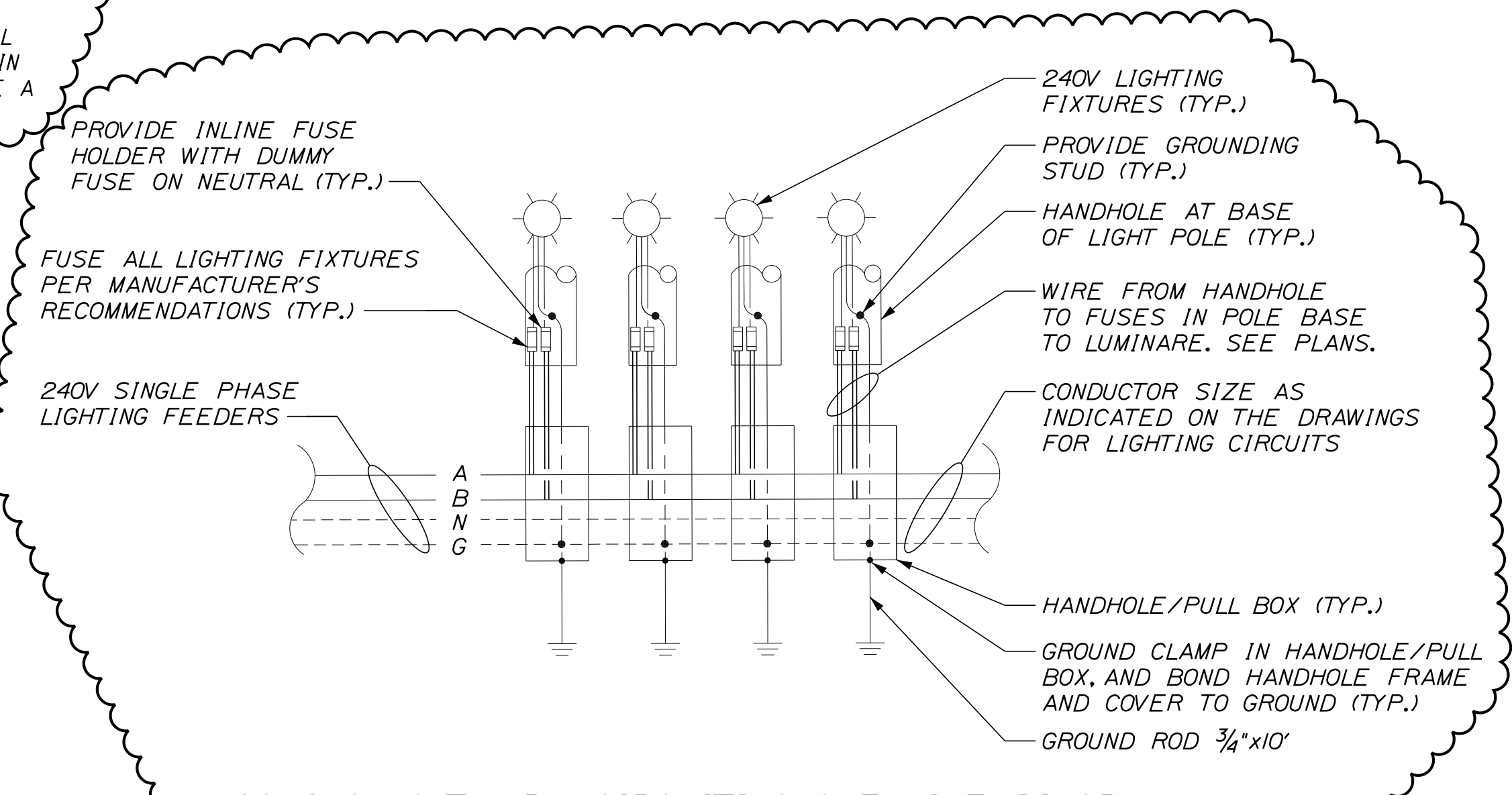
BREAKAWAY COUPLINGS AND SKIRT DETAIL
NOT TO SCALE



LIGHT STANDARD WITH POLE A
NOT TO SCALE



SERVICE PANEL AND METER "ES" DETAIL
NOT TO SCALE



120/240 VOLT - 1PH CIRCUITING ONE LINE DIAGRAM
NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NUMBER	DESCRIPTION OR SIZE	MOUNTING	COLOR	LIGHT SOURCE				DRIVER	VOLTAGE	TOTAL WATTS	REMARKS
						TYPE	LUMENS	CCT(K)	CRI				
A	AMERICAN ELECTRIC LIGHTING	ATBO-P201-MVOLT-R3L-A0	ROADWAY LIGHT, DIST III	ARM	GREY	LED	5105	4000	80	DIMMING	120	36	SET AO DIMMING PER STREET LIGHTING SCHEDULE
B	AMERICAN ELECTRIC LIGHTING	ATBO-P201-MVOLT-R4-A0	ROADWAY LIGHT, DIST IV	ARM	GREY	LED	5346	4000	80	DIMMING	120	36	SET AO DIMMING PER STREET LIGHTING SCHEDULE
POLE A	LITHONIA LIGHTING	RTS20MH 70 VDA 6S HH NC GV BABA VALI ABSET DOM RFD353543	20FT POLE WITH 6FT ARM	FOUNDATION	GREY								
POLE B	LITHONIA LIGHTING	RTS20MH 70 VDA 8S HH NC GV BABA VALI ABSET DOM RFD353543	20FT POLE WITH 8FT ARM	BRIDGE	GREY								
POLE C	LITHONIA LIGHTING	RTS20MH 70VDA 2S HH NC GV BABA VALI ABSET DOM RFD353543	20FT POLE WITH 2FT ARM	FOUNDATION	GREY								
ARM C	HOLOPHANE	FAMAWT20 US6 GY	ARM, 6FT, ALUMINUM	POLE	GREY								FOR RELOCATED WOOD POLE
ARM D	HAPCO	85-011	ARM, 15FT, ALUMINUM	POLE	GREY								FOR RELOCATED WOOD POLE

NOTE:
1. A SUBSTITUTE PRODUCT SHALL BE CONSIDERED EQUAL TO THE PRODUCT IDENTIFIED IF (1) IT IS AT LEAST EQUAL IN QUALITY, DURABILITY, APPEARANCE, STRENGTH AND DESIGN; (2) IT WILL PERFORM AT LEAST EQUALLY THE FUNCTION IMPOSED BY THE GENERAL DESIGN FOR THE WORK BEING CONTRACTED FOR OR THE MATERIAL BEING PURCHASED; AND (3) IT CONFORMS SUBSTANTIALLY, EVEN WITH DEVIATIONS, TO THE DETAILED REQUIREMENTS FOR THE IDENTIFIED PRODUCT.

STREET LIGHTING SCHEDULE

STREET LIGHT NO.	LOCATION		FIXTURE TYPE	LUMINAIRE QUANTITY	LENGTH OF POLE ARM	PANEL CIRCUIT	LUMINAIRE						BREAK-AWAY	MOUNTING HEIGHT	BASE TYPE	FOUNDATION SIZE	REMARKS	
	FINAL STA.	FINAL OFFSET					WATTS	LUMENS	LPW	CCT	TYPE	DIM LEVEL						IES DIST
SL-1	102+63.22	25.50' LT	A, POLE A	1	6'-0"	TBD	36	5105	142	4000K	LED	100%	III	Y	20'-0"	BOLT COVER	24"	AO POSITION 8
SL-2	103+37.00	15.92' RT	A, POLE B	1	8'-0"	TBD	36	5105	142	4000K	LED	100%	III		20'-0"	BOLT COVER	BRIDGE	AO POSITION 8
SL-3	104+63.00	15.92' RT	A, POLE B	1	8'-0"	TBD	36	5105	142	4000K	LED	100%	III		20'-0"	BOLT COVER	BRIDGE	AO POSITION 8
SL-4	105+89.00	15.92' RT	A, POLE B	1	8'-0"	TBD	36	5105	142	4000K	LED	100%	III		20'-0"	BOLT COVER	BRIDGE	AO POSITION 8
SL-5	106+75.00	26.00' RT	A, POLE A	1	6'-0"	TBD	36	5105	142	4000K	LED	100%	III	Y	20'-0"	BOLT COVER	24"	AO POSITION 8
SL-6	107+06.20	38.17' LT	A, POLE C	1	2'-0"	TBD	36	5105	142	4000K	LED	83%	III	Y	20'-0"	BOLT COVER	24"	AO POSITION 6
UL-1	101+66.00	26.50' RT	A, ARM D	1	15'-0"	TBD	36	5105	142	4000K	LED	100%	III		30'-0"		RELOCATED POLE	AO POSITION 8
UL-2	102+05.00	37.50' LT	A, ARM C	1	6'-0"	TBD	36	5105	142	4000K	LED	100%	III		20'-0"		RELOCATED POLE	AO POSITION 8
UL-3	106+50.00	32.25' LT	B, ARM D	1	15'-0"	TBD	36	5346	148	4000K	LED	58%	IV		30'-0"		RELOCATED POLE	AO POSITION 4

STATE OF MAINE
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2312000
WIN 023120.00
BRIDGE PLANS
5118

DOVER BRIDGE
PISCATAQUIS RIVER
DOVER-FOXCROFT PISCATAQUIS COUNTY
LIGHTING DETAILS (1 OF 2)

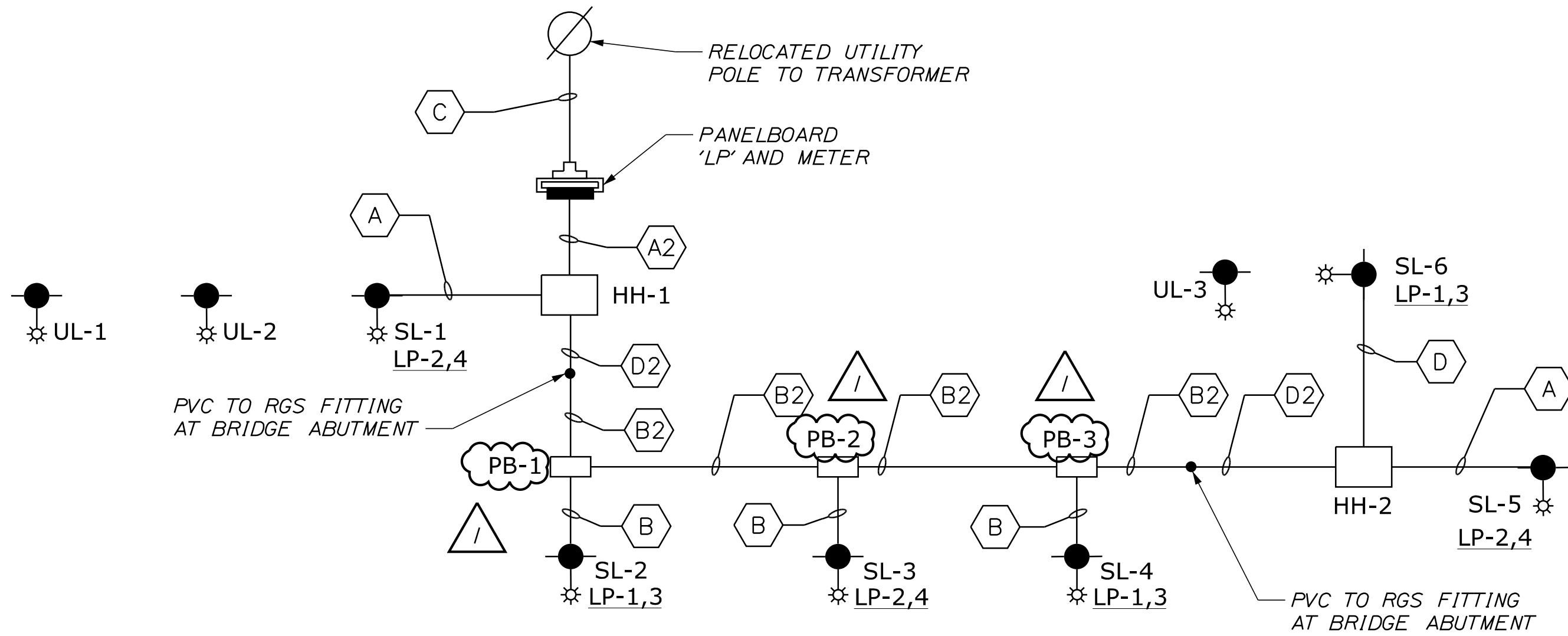
PROJ. MANAGER	DATE	BY	DATE	REVISIONS	DATE
DESIGN-DETAILED	8/22/25	E.BATES	8/22/25	SIGNATURE	
CHECKED-REVIEWED	8/22/25	M.CROWLEY	8/22/25	P.E. NUMBER	
DESIGN-DETAILED				DATE	
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SHEET NUMBER
58
OF 64

Stantec

LIGHTING GENERAL NOTES

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF WORK. BASIC DESIGN CONCEPTS INDICATED ARE TO BE EITHER FOLLOWED OR BETTERED. WORK IS INTENDED TO INCLUDE ITEMS NECESSARY FOR PROPER OPERATION AND COMPLETION. FIELD VERIFY ALL LOCATIONS, ELEVATIONS, AND DIMENSIONS.
- THE NEW POWER SERVICE, CONTROL CABINETS, AND METER DISCONNECTS AND ENCLOSURES SHALL BE PAID FOR UNDER ITEM 634.160 - HIGHWAY LIGHTING. THE SERVICE CABINET, DISCONNECT ENCLOSURE AND OTHER ENCLOSURES FOR ELECTRICAL COMPONENTS SHALL BE MARKED WITH ARC FLASH HAZARD LABELS, INDICATION TYPE 1, 2, 3, OR 4 AND THE APPROPRIATE PPE REQUIRED.
- ALIGN FIXTURES ALONG ALL CONTINUOUS STRAIGHT SIDEWALK SECTIONS. FIXTURES SHALL BE SET AT A NOMINAL DISTANCE OF 2' FROM BACK OF SIDEWALK TO CENTER OF LIGHTING FOUNDATION.
- REMOVAL AND DISPOSAL OF ALL ELECTRICAL EQUIPMENT, WIRING, CONCRETE BASES AND RELATED EQUIPMENT SHALL BE INCIDENTAL TO ITEM 634.160 - HIGHWAY LIGHTING.
- ALL LIGHT BASE FOUNDATIONS SHALL HAVE A GROUND ROD, LOCATED IN OR IMMEDIATELY ADJACENT TO THE FOUNDATION, THAT IS BONDED TO THE POLE GROUNDING CONDUCTOR. PAYMENT FOR THE GROUND ROD SHALL BE INCLUDED IN ITEM 634.160 - HIGHWAY LIGHTING.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH CENTRAL MAINE POWER AND MAINE DOT FOR LOCATION OF NEW ELECTRICAL SERVICES AND MAKE ARRANGEMENTS FOR PROVIDING NEW 120/240V ELECTRICAL SERVICE LP.
- OPERATION OF LIGHTING TO BE BY PHOTOCELL LOCATED AT ELECTRICAL SERVICE CONTROL CABINET.
- SNUG-TIGHT CONDITION OF ANCHOR BOLTS SHALL BE DEFINED AS BETWEEN 20 AND 30 PERCENT OF THE VERIFICATION TORQUE VALUE DETERMINED BY THE FORMULA IN FHWA PUBLICATION NHI 05-036. ADDITIONAL TIGHTENING BEYOND SNUG-TIGHT CONDITION SHALL BE DONE IN ACCORDANCE WITH SECTION 643.05 OF THE STANDARD SPECIFICATIONS.
- NEW POWER SERVICE CONDUIT REQUIRED BETWEEN THE POWER SOURCE AND THE METER SHALL BE RIGID METAL CONDUIT FOR THE 90 DEGREE BEND.
- ALL EXPOSED RIGID CONDUIT FITTINGS AND HARDWARE SHALL BE GALVANIZED, EXCEPT NON-CONDUCTIVE BUSHINGS FOR CONNECTION OF RIGID METAL CONDUIT TO ALUMINUM CABINETS.
- SECONDARY UNDERGROUND CIRCUIT WIRING SHALL BE XHHW-2. ALL WIRING NO.8 OR LARGER WIRE SIZE SHALL BE STANDED COPPER.
- MAXIMUM OF 270° IN TOTAL BENDS PERMITTED IN SINGLE RUN OF CONDUIT.
- LIGHTS SHALL BE FUSED AT BASE WITH Y-TYPE FUSE KIT WITH WATERPROOF INSULATED SEAL, HEAVY DUTY, BREAKAWAY, "FLOOD SEAL", SIZE OF SEAL SHALL MATCH WIRE AND HAVE A 10 AMP FUSE.
- CIRCUIT CONDUCTORS INCLUDING NEUTRAL CONDUCTOR SHALL BE CLEARLY IDENTIFIED BY CORROSION RESISTANT TAGS INDICATING CIRCUIT NUMBER AND PANEL SOURCES AT EVERY POLE BASE AND HANDHOLE.
- UTILIZE APPROVED DUAL-RATED PARALLEL TAP CONNECTOR WITH INSULATED COVER FOR TAPS AT POLE BASE.
- UTILIZE APPROVED DUAL-RATED TAP CONNECTOR WITH WATERTIGHT/SUBMERSIBLE CONNECTOR IN JUNCTION BOXES, HANDHOLES, PULL BOXES AND MANHOLES, SUITABLE FOR DIRECT BURIAL.
- EXISTING METERING EQUIPMENT MAY BE REUSED AND MODIFIED AT NEW PANELBOARD AND CONTROLS.
- PROVIDE PANEL NAMEPLATES. NAMEPLATE SHALL BE 1"X16" BLACK PLASTIC WITH WHITE CENTER LAMINATION. FACE SHALL BE BLACK, ENGRAVED LETTERS SHALL BE WHITE AND 1/4" HIGH. SECURE NAMEPLATE TO SURFACES WITH (2) FLAT-HEAD BRASS SCREWS.
- EXISTING LUMINAIRES NOTED FOR REMOVAL SHALL BE CAREFULLY REMOVED AND SHALL BE DELIVERED TO AND CAREFULLY UNLOADED AT A LOCATION TO BE DESIGNATED BY THE MUNICIPALITY. PAYMENT FOR REMOVAL, TRANSPORT, DELIVERY AND UNLOADING LUMINAIRES WILL BE INCIDENTAL TO ITEM 634.160. IN THE EVENT THE MUNICIPALITY DOES NOT WANT THE EXISTING LUMINAIRES, THE CONTRACTOR SHALL DISPOSE OF THEM AND PAYMENT FOR DISPOSAL SHALL BE INCIDENTAL TO ITEM 634.160.



ONE-LINE DIAGRAM
NOT TO SCALE

CONDUIT AND CONDUCTOR SCHEDULE

KEY	CONDUIT TYPE	CONDUIT SIZE	CONDUCTORS	
			FOR SERVICE	FOR GROUND
A	PVC SCH. 40	3"	2*10	1*10G
A2	PVC SCH. 40	3"	4*10	1*10G
B	RGS	3"	4*10	1*10G
B2	RGS	3"	4*10	1*10G
C	PVC SCH. 40 UNDERGROUND RGS AT 90° BEND, AND PVC SCH. 80 EXPOSED ON POLE	4"	3*2	1*8G
D	PVC SCH. 80	3"	2*10	1*10G
D2	PVC SCH. 80	3"	4*10	1*10G

PANEL SCHEDULE

PANELBOARD LP
100A, 120/240V, 1 PHASE, 3 WIRE, 10 KAIC RATED PANEL

CKT #	BREAKER	POLE	WIRE	DESCRIPTION	LOAD
1,3	20A	2	2*10, 1*10G	SL-2,4,6	108
2,4	20A	2	2*10, 1*10G	SL-1,3,5	108
5	20A	1		SPARE	
6	20A	1		SPARE	
*PROVIDE LOCK-ON DEVICE FOR BREAKER				TOTAL CONNECTED LOAD	216
PANEL TYPE: 00 LOAD CTR - SQ. D				AMPERES	1
				MAIN BREAKER	100A, 2P

NOTE:

- SEE ONE-LINE DIAGRAM AND CONDUIT AND CONDUCTOR SCHEDULE FOR FEEDER SIZE.

Date: 10/23/2025

Username: common

Division: BRIDGE

Filename: ... \059_Lighting Details_03.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2312000
WIN
023120.00
BRIDGE PLANS
5118

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	8/22/25	E.BATES	8/22/25			
CHECKED-REVIEWED	8/22/25	M.CROWLEY	8/22/25			
DESIGN-DETAILED						
REVISIONS 1		DETAIL REVISIONS	10/23/25			
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

DOVER BRIDGE
PISCATAQUIS RIVER
DOVER-FOXCROFT PISCATAQUIS COUNTY
LIGHTING DETAILS (2 OF 2)

SHEET NUMBER
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OF 64

