



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

Paul R. LePage
GOVERNOR

David Bernhardt
COMMISSIONER

January 22, 2018
Subject: Billings Bridge
Superstructure Replacement
State WIN: 022618.00
Location: **Paris**
Amendment No. 2

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

On page 14 "NOTICE TO CONTRACTORS", **CHANGE** the bid opening date in the first paragraph from "January 24, 2018" to read "**January 31, 2018**". Make this change in pen and ink.

REMOVE pages 16-27, Proposal Schedule of Items, 12 pages, dated 12/18/2017, and **REPLACE** with the attached, revised Proposal of Items, 12 pages, dated 1/18/18.

ADD the attached SPECIAL PROVISIONS - SECTION 104 – Utilities, 5 pages, dated December 4, 2017.

On page 53, SPECIAL PROVISION – SECTION 107 – TIME – (Limitations of Operations & Time), **CHANGE** "Monday, April 8, 2019" to "**Monday, March 11, 2019**", **CHANGE** "Saturday, September 14, 2019" to "**Saturday, September 28, 2019**", **CHANGE** "September 30, 2019" to "**October 14, 2019**" and **CHANGE** "November 1, 2019" to "**November 15, 2019**." Make these changes in pen and ink.

REMOVE page 54, SPECIAL PROVISION – SECTION 107 – TIME – (Schedule of Work Required), dated December 18, 2017.

ADD the attached SPECIAL PROVISION – SECTION 502 – STRUCTURAL CONCRETE – (QC/QA Acceptance Methods), 1 page, dated January 17, 2018.

REMOVE page 68, SPECIAL PROVISION – SECTION 518 – STRUCTURAL CONCRETE REPAIR, dated November 15, 2017.

REMOVE page 69, SPECIAL PROVISION - SECTION 524 - TEMPORARY STRUCTURAL SUPPORTS - (Bridge and Roadway Support During Staged Construction), 1 page, dated December 20,



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2017, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 524 - TEMPORARY STRUCTURAL SUPPORTS - (Bridge and Roadway Support During Staged Construction), 2 pages, dated January 18, 2018.

REMOVE page 70, SPECIAL PROVISION - SECTION 526 - CONCRETE BARRIER - (Portable Concrete Barrier, Anchored), 1 page, dated November 15, 2017, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 526 - CONCRETE BARRIER - (Portable Concrete Barrier, Anchored), 1 page, dated January 18, 2018.

On page 97, Special Provisions - Section 800 – Water & Sewer Utilities Installation - SECTION 01010-SUMMARY OF WORK. In Paragraph 3.2.A.5 **REVISE** to read “New 12” sewer shall be active prior to commencing **Phase 2 bridge construction.**

On page 163, Special Provisions - Section 800 – Water & Sewer Utilities Installation - SECTION 02614-PRE-INSULATED DUCTILE IRON PIPE. In Paragraph 1.2.A, **REMOVE** “North America” and **REPLACE** with “United States of America”.

On page 167, Special Provisions - Section 800 – Water & Sewer Utilities Installation - SECTION 02615-DUCTILE IRON PIPE & FITTINGS. In Paragraph 2.1.b.3.c, **DELETE** “Sigma Super Lug and Star Grip Series 300” from list of acceptable manufactures.

On page 195, Special Provisions - Section 800 – Water & Sewer Utilities Installation - SECTION 02648-COUPPLINGS & CONNECTORS. In Paragraph 2.1.d, **DELETE** “Krausz Hymax” from list of acceptable manufactures.

On page 187, Special Provisions - Section 800 – Water & Sewer Utilities Installation - SECTION 02641-GATE VALVES. In Paragraph 1.2.b, **DELETE** “Darling” from list of acceptable manufactures.

In the Plan Set:

On SHEET NUMBER 1 OF 57, TITLE SHEET, MAINTENANCE OF TRAFFIC, **CHANGE** “two-way” to “**one-way.**” Make this change in pen and ink.

REMOVE SHEET NUMBER 3 OF 57, QUANTITIES, and **REPLACE** with the attached, revised SHEET NUMBER 3 OF 57, QUANTITIES.

REMOVE SHEET NUMBER 4 OF 57, GENERAL PLAN, and **REPLACE** with the attached, revised SHEET NUMBER 4 OF 57, GENERAL PLAN.

REMOVE SHEET NUMBER 7 OF 57, TYPICAL SECTION AND DETAILS (2 OF 2), and **REPLACE** with the attached, revised SHEET NUMBER 7 OF 57, TYPICAL SECTION AND DETAILS (2 OF 2).

REMOVE SHEET NUMBER 22 OF 57, STAGED CONSTRUCTION DETAILS, and **REPLACE** with the attached, revised SHEET NUMBER 22 OF 57, STAGED CONSTRUCTION DETAILS.

REMOVE SHEET NUMBER 23 OF 57, PORTABLE CONCRETE BARRIER (ANCHORED), and **REPLACE** with the attached, revised SHEET NUMBER 23 OF 57, PORTABLE CONCRETE BARRIER (ANCHORED).

REMOVE SHEET NUMBER 28 OF 57, ABUTMENT NO. 1 REMOVAL AND REPAIRS, and **REPLACE** with the attached, revised SHEET NUMBER 28 OF 57, ABUTMENT NO. 1 REMOVAL AND REPAIRS.

REMOVE SHEET NUMBER 29 OF 57, FRAME REMOVAL AND REPAIRS, and **REPLACE** with the attached, revised SHEET NUMBER 29 OF 57, FRAME REMOVAL AND REPAIRS.

REMOVE SHEET NUMBER 30 OF 57, ABUTMENT NO. 1 DETAILS (1 OF 6), and **REPLACE** with the attached, revised SHEET NUMBER 30 OF 57, ABUTMENT NO. 1 DETAILS (1 OF 6).

REMOVE SHEET NUMBER 32 OF 57, ABUTMENT NO. 1 DETAILS (3 OF 6), and **REPLACE** with the attached, revised SHEET NUMBER 32 OF 57, ABUTMENT NO. 1 DETAILS (3 OF 6).

REMOVE SHEET NUMBER 36 OF 57, ABUTMENT NO. 2 REMOVAL AND REPAIRS, and **REPLACE** with the attached, revised SHEET NUMBER 36 OF 57, ABUTMENT NO. 2 REMOVAL AND REPAIRS.

REMOVE SHEET NUMBER 39 OF 57, PIER NO. 1 REMOVAL AND REPAIRS, and **REPLACE** with the attached, revised SHEET NUMBER 39 OF 57, PIER NO. 1 REMOVAL AND REPAIRS.

REMOVE SHEET NUMBER 40 OF 57, PIER DETAILS (1 OF 2), and **REPLACE** with the attached, revised SHEET NUMBER 40 OF 57, PIER DETAILS (1 OF 2).

REMOVE SHEET NUMBER 44 OF 57, FRAMING PLAN AND GIRDER ELEVATION, and **REPLACE** with the attached, revised SHEET NUMBER 44 OF 57, FRAMING PLAN AND GIRDER ELEVATION.

On SHEET 52 OF 57, DEMOLITION PLAN. **ADD** The Contractor should note that all existing gravity sewer pipe noted to be demolished is asbestos cement pipe. All existing gravity sewer beyond the bridge limits within the project area is asbestos cement pipe. The existing 8" water main noted to be demolished and shown on the existing conditions plan is cast iron pipe. Both existing water and sewer on the bridge is wrapped in insulation and metal jacketing. The jacket material has not been confirmed, but appears to be galvanized or aluminum. Make this change in pen and ink.

SHEET 55 OF 57, WATER/SEWER ADJUSTABLE ROLLER SUPPORT DETAIL. **REMOVE** Note phrase "NEFCO FIG 142 OR APPROVED EQUAL" and **REPLACE** with phrase "ANVIL FIGURE 177 AND 171, MANUFACTURED IN HENDERSON TENNESSE, OR EQUAL. ROLLER PIPE SUPPORT SHALL BE SELECTED BASED ON AN OVERALL DIAMETER OF 18 INCHES TO ACCOMDATE OUTSIDE DIAMTER OF THE 12" DUCTILE IRON PIPE WITH INSULATION AND GALVANIZED JACKETING. Make this change in pen and ink.

The following questions have been received:

Question: In that abutment and pier concrete is to be placed against ledge and existing concrete and known elevations are approximate, we request that items 502.219 and 502.319 be paid by the cubic yard rather than Lump Sum.

Response: The abutment and pier concrete items have been revised to cubic yard items. Please see the above changes to the Bid documents.

Question: Please confirm approximate quantity of 40 CY for item 502.219. This appears to be very low.

Response: This quantity has been revised, please see the above changes to the Bid documents.

Question: Will the Contractor be allowed to work nights and Sundays during the April 8, 2019 to Sept 14, 2019 period?

Response: Allowable work times are per Section 107.3 of the Standard Specifications, as amended by the Section 107 Special Provisions in the Bid Package.

Question: Can you please confirm the following time constraints:

- (1.) One lane on bridge 4/18/19 to 9/14/19.
- (2.) In stream work 7/15 to 9/30
- (3.) Substantial Completion 9/30/19. This means that all of the phased bridge construction needs to be done in approximately 159 days.

Response: Allowable work times are per Section 107.3 of the Standard Specifications, as amended by the Section 107 Special Provisions in the Bid Package. Please see above changes to the Section 107 Special Provision. Some work may be completed prior to staged construction.

Question: Also, specifications page 97, note 5 says "new 12" sewer shall be active prior to commencing Phase 1". Does this mean that it has to be installed under the bridge with traffic on it?

Response: This passage has been modified to read "Phase 2". See above changes to Special Provisions - Section 800 – Water & Sewer Utilities Installation.

Question: Typically, there is a Special Provision 502 outlining QC/QA acceptance methods. We cannot find one for this project. Can you please clarify?

Response: Please see the above changes to the Bid documents and the attached Special Provision Section 502, QC/QA Acceptance Methods.

Question: We cannot find an explanation of how existing utilities will be handled, if at all. Can you please clarify?

Response: See attached - SPECIAL PROVISIONS - SECTION 104 – Utilities.

Question: Paris Project Special Provisions has no Section 104 Utility Section. It appears the Athens-Hartland Special Provisions has the Paris Section 104 included and no information regarding Athens Utilities. Please advise.

Response: See attached - SPECIAL PROVISIONS - SECTION 104 – Utilities.

Question: Sheet 5 of 57 indicates mill and overlay from STA 99+60 to 100+35 and 105+50 to 105+75, but there is no bid item 202.202. Is there milling on the project, and if so could an item be added?

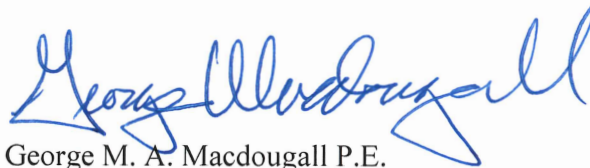
Response: Please see the attached, revised Proposal Schedule of Items.

Question: Where will item 424.3331 Low Modulus Crack Sealer be used?

Response: The “Hot-Poured Crack Sealer” specified in the Plan detail on Sheet 27 and in Detail A on Sheet 49 of the Contract Plans will be paid for under Item No. 424.3331, Asphalt Low Modulus Crack Sealer.

Consider these changes and information prior to submitting your bid on **January 31, 2018**.

Sincerely,



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

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022618.00

Project(s): 022618.00

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	202.10 REMOVING EXISTING SUPERSTRUCTURE (PROPERTY OF CONTRACTOR)	LUMP SUM				
0020	202.12 REMOVING EXISTING STRUCTURAL CONCRETE	85.000 CY				
0030	202.1235 DIAMOND GRINDING CONCRETE PAVEMENT	480.000 SY				
0040	202.1912 REMOVE OR ABANDON SEWER SERVICE	190.000 LF				
0050	202.202 REMOVING PAVEMENT SURFACE	430.000 SY				
0060	203.20 COMMON EXCAVATION	1,740.000 CY				
0070	203.22 UNCLASSIFIED EXCAVATION	355.000 CY				
0080	203.24 COMMON BORROW	20.000 CY				
0090	203.25 GRANULAR BORROW	170.000 CY				
0100	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	180.000 CY				
0110	206.092 STRUCTURAL ROCK EXCAVATION - MAJOR STRUCTURES	30.000 CY				

1/18/2018

Maine Department of Transportation

Proposal Schedule of Items

Page 2 of 12

Proposal ID: 022618.00

Project(s): 022618.00

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
0120	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	1,255.000 CY	_____	_____	_____	_____
0130	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	30.000 T	_____	_____	_____	_____
0140	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	150.000 T	_____	_____	_____	_____
0150	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	80.000 T	_____	_____	_____	_____
0160	403.211 HOT MIX ASPHALT (SHIMMING)	5.000 T	_____	_____	_____	_____
0170	403.213 HOT MIX ASPHALT 12.5 MM BASE	30.000 T	_____	_____	_____	_____
0180	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	175.000 T	_____	_____	_____	_____
0190	409.15 BITUMINOUS TACK COAT - APPLIED	105.000 G	_____	_____	_____	_____
0200	424.304 HIGH MOLECULAR WEIGHT METHACRYLATE CRACK SEALER	5.000 G	_____	_____	_____	_____
0210	424.3331 ASPHALT LOW MODULUS CRACK SEALER, APPLIED	10.000 LB	_____	_____	_____	_____
0220	502.21 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	195.000 CY	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022618.00

Project(s): 022618.00

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	502.23 STRUCTURAL CONCRETE PIERS	30.000 CY	_____	 _____	_____	 _____
0240	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP SUM	LUMP	 SUM	_____	 _____
0250	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM	LUMP	 SUM	_____	 _____
0260	502.565 CONCRETE FILL	5.000 CY	_____	 _____	_____	 _____
0270	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	18,300.000 LB	_____	 _____	_____	 _____
0280	503.13 REINFORCING STEEL, PLACING	18,300.000 LB	_____	 _____	_____	 _____
0290	503.17 MECHANICAL WELDED SPLICE	892.000 EA	_____	 _____	_____	 _____
0300	503.26 STAINLESS STEEL REINFORCEMENT - FABRICATED & DELIVERED	18,500.000 LB	_____	 _____	_____	 _____
0310	503.27 STAINLESS STEEL REINFORCEMENT - PLACING	18,500.000 LB	_____	 _____	_____	 _____
0320	504.701 STRUCTURAL STEEL FABRICATED AND DELIVERED, ROLLED	LUMP SUM	LUMP	 SUM	_____	 _____
0330	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM	LUMP	 SUM	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022618.00

Project(s): 022618.00

SECTION: 1 PROJECT ITEMS

Alt Set ID: Alt Mbr ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0340	505.08 SHEAR CONNECTORS	LUMP SUM	LUMP	SUM	_____	_____
0350	506.9104 THERMAL SPRAY COATING - SHOP APPLIED	LUMP SUM	LUMP	SUM	_____	_____
0360	507.0821 STEEL BRIDGE RAILING, 3 BAR	LUMP SUM	LUMP	SUM	_____	_____
0370	507.0831 STEEL BRIDGE RAILING, 4 BAR	LUMP SUM	LUMP	SUM	_____	_____
0380	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM	LUMP	SUM	_____	_____
0390	510.11 SPECIAL DETOUR, PEDESTRIAN TRAFFIC ONLY ABUTNO.1	LUMP SUM	LUMP	SUM	_____	_____
0400	511.07 COFFERDAM: ABUTNO.1	LUMP SUM	LUMP	SUM	_____	_____
0410	511.07 COFFERDAM: ABUT NO.2	LUMP SUM	LUMP	SUM	_____	_____
0420	511.07 COFFERDAM: PIER	LUMP SUM	LUMP	SUM	_____	_____
0430	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000 EA	_____	_____	_____	_____
0440	515.20 PROTECTIVE COATING FOR CONCRETE SURFACES	1,405.000 SY	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022618.00

Project(s): 022618.00

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Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0450	518.50 REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 8 IN.	50.000 SF	_____	 _____	_____	 _____
0460	518.51 REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 8 IN.	50.000 SF	_____	 _____	_____	 _____
0470	518.60 REPAIR OF VERTICAL SURFACES < 8 IN.	90.000 SF	_____	 _____	_____	 _____
0480	518.70 REPAIR OF OVERHEAD SURFACES < 8 IN.	51.000 SF	_____	 _____	_____	 _____
0490	523.52 BEARING INSTALLATION	18.000 EA	_____	 _____	_____	 _____
0500	523.5401 LAMINATED ELASTOMERIC BEARINGS, FIXED	6.000 EA	_____	 _____	_____	 _____
0510	523.5402 LAMINATED ELASTOMERIC BEARINGS, EXPANSION	12.000 EA	_____	 _____	_____	 _____
0520	524.301 TEMPORARY STRUCTURAL SUPPORT APPROACHES	LUMP SUM		 LUMP SUM	_____	 _____
0530	524.301 TEMPORARY STRUCTURAL SUPPORT BRIDGE	LUMP SUM		 LUMP SUM	_____	 _____
0540	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM		 LUMP SUM	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0550	526.302 PORTABLE CONCRETE BARRIER	140.000 LF	_____	 _____	_____	 _____
0560	526.34 PERMANENT CONCRETE TRANSITION BARRIER	4.000 EA	_____	 _____	_____	 _____
0570	527.34 WORK ZONE CRASH CUSHIONS	2.000 UN	_____	 _____	_____	 _____
0580	530.30 GFRP, REINFORCEMENT BARS, FABRICATED & DELIVERED	49,300.000 LF	_____	 _____	_____	 _____
0590	530.31 GFRP, REINFORCEMENT BARS, PLACING	49,300.000 LF	_____	 _____	_____	 _____
0600	603.159 12 INCH CULVERT PIPE OPTION III	28.000 LF	_____	 _____	_____	 _____
0610	603.169 15 INCH CULVERT PIPE OPTION III	105.000 LF	_____	 _____	_____	 _____
0620	604.072 CATCH BASIN TYPE A1-C	6.375 EA	_____	 _____	_____	 _____
0630	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	7.000 EA	_____	 _____	_____	 _____
0640	604.182 CLEAN EXISTING CATCH BASIN AND MANHOLE	7.000 EA	_____	 _____	_____	 _____
0650	604.249 CATCH BASIN TYPE F6-C	1.000 EA	_____	 _____	_____	 _____
0660	605.12 15 INCH UNDERDRAIN TYPE C	250.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022618.00

Project(s): 022618.00

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
0670	606.1722 BRIDGE TRANSITION - TYPE 2	3.000 EA	_____	 _____	_____	 _____
0680	606.178 GUARDRAIL BEAM	6.000 LF	_____	 _____	_____	 _____
0690	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	19.000 LF	_____	 _____	_____	 _____
0700	606.231 GUARDRAIL TYPE 3C - 15 FOOT RADIUS AND LESS	37.625 LF	_____	 _____	_____	 _____
0710	606.25 TERMINAL CONNECTOR	1.000 EA	_____	 _____	_____	 _____
0720	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	2.000 EA	_____	 _____	_____	 _____
0730	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8.000 EA	_____	 _____	_____	 _____
0740	606.79 GUARDRAIL 350 FLARED TERMINAL	2.000 EA	_____	 _____	_____	 _____
0750	607.163 CHAIN LINK FENCE - 4 FOOT P.V.C. COATED	60.000 LF	_____	 _____	_____	 _____
0760	608.26 CURB RAMP DETECTABLE WARNING FIELD	70.000 SF	_____	 _____	_____	 _____
0770	609.11 VERTICAL CURB TYPE 1	469.000 LF	_____	 _____	_____	 _____
0780	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	43.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022618.00

Project(s): 022618.00

SECTION: 1 PROJECT ITEMS

Alt Set ID: Alt Mbr ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0790	609.23 TERMINAL CURB TYPE 1	3.000 EA	_____	 _____	_____	 _____
0800	609.2371 TERMINAL CURB TYPE 1 - 7 FT - CIRCULAR	5.000 EA	_____	 _____	_____	 _____
0810	609.238 TERMINAL CURB TYPE 1 - 8 FOOT	2.000 EA	_____	 _____	_____	 _____
0820	609.247 TERMINAL CURB TYPE 2 - 7 FOOT	1.000 EA	_____	 _____	_____	 _____
0830	610.08 PLAIN RIPRAP	250.000 CY	_____	 _____	_____	 _____
0840	615.07 LOAM	20.000 CY	_____	 _____	_____	 _____
0850	618.13 SEEDING METHOD NUMBER 1	1.000 UN	_____	 _____	_____	 _____
0860	618.14 SEEDING METHOD NUMBER 2	2.000 UN	_____	 _____	_____	 _____
0870	619.12 MULCH	3.000 UN	_____	 _____	_____	 _____
0880	619.14 EROSION CONTROL MIX	40.000 CY	_____	 _____	_____	 _____
0890	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	1,750.000 LF	_____	 _____	_____	 _____
0900	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	130.000 SF	_____	 _____	_____	 _____

Maine Department of Transportation

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Proposal ID: 022618.00

Project(s): 022618.00

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0910	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	95.000 LF	_____	 _____	_____	 _____
0920	629.05 HAND LABOR, STRAIGHT TIME	40.000 HR	_____	 _____	_____	 _____
0930	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	40.000 HR	_____	 _____	_____	 _____
0940	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	80.000 HR	_____	 _____	_____	 _____
0950	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	16.000 HR	_____	 _____	_____	 _____
0960	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____
0970	643.72 TEMPORARY TRAFFIC SIGNAL	LUMP SUM		 LUMP SUM		 _____
0980	645.103 DEMOUNT GUIDE SIGN	4.000 EA	_____	 _____	_____	 _____
0990	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	1.000 EA	_____	 _____	_____	 _____
1000	645.113 REINSTALL GUIDE SIGN	4.000 EA	_____	 _____	_____	 _____
1010	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	1.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022618.00

Project(s): 022618.00

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1020	652.312 TYPE III BARRICADE	18.000 EA	_____	 _____	_____	 _____
1030	652.33 DRUM	85.000 EA	_____	 _____	_____	 _____
1040	652.34 CONE	100.000 EA	_____	 _____	_____	 _____
1050	652.35 CONSTRUCTION SIGNS	403.000 SF	_____	 _____	_____	 _____
1060	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	LUMP SUM		_____	 _____
1070	652.38 FLAGGER	260.000 HR	_____	 _____	_____	 _____
1080	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	4.000 EA	_____	 _____	_____	 _____
1090	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP SUM		_____	 _____
1100	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	45.000 SY	_____	 _____	_____	 _____
1110	659.10 MOBILIZATION	LUMP SUM	LUMP SUM		_____	 _____
1120	801.011 BYPASS PUMPING SYSTEM	LUMP SUM	LUMP SUM		_____	 _____
1130	801.03 TEST PITS	2.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

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			Dollars	Cents	Dollars	Cents
1140	801.18 12 INCH PVC SANITARY SEWER (SDR-35)	175.000 LF	_____	 _____	_____	 _____
1150	801.181 12 " D.I. SANITARY SEWER	LUMP SUM	LUMP SUM		_____	 _____
1160	802.10 12 INCH DUCTILE IRON WATERMAIN	500.000 LF	_____	 _____	_____	 _____
1170	803.138 CONNECT 4", 6", 8", 12" SEWER SERVICES	45.000 LF	_____	 _____	_____	 _____
1180	803.1732 SEWER MANHOLE - 4 FOOT DIAMETER	22.000 VF	_____	 _____	_____	 _____
1190	812.164 REBUILDING SEWER MANHOLE	1.000 EA	_____	 _____	_____	 _____
1200	822.302 12 INCH DUCTILE IRON PIPE	LUMP SUM	LUMP SUM		_____	 _____
1210	823.311 12 INCH GATE VALVE WITH BOX	5.000 EA	_____	 _____	_____	 _____
1220	823.3251 8 INCH GATE VALVE WITH BOX	3.000 EA	_____	 _____	_____	 _____
1230	824.30 FIRE HYDRANT	1.000 EA	_____	 _____	_____	 _____
1240	825.33 1 INCH CORP STOP	6.000 EA	_____	 _____	_____	 _____
1250	825.331 1" CURB STOP	6.000 EA	_____	 _____	_____	 _____

1/18/2018

Maine Department of Transportation

Proposal Schedule of Items

Page 12 of 12

Proposal ID: 022618.00

Project(s): 022618.00

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
1260	825.43 1" COPPER SERVICE	160.000 LF	_____	 _____	_____	 _____
1270	825.5411 TEMPORARY WATER MAIN	LUMP SUM	LUMP SUM		_____	 _____
1280	827.304 TRENCH ROCK EXCAVATION	100.000 CY	_____	 _____	_____	 _____
1290	827.311 UNSUITABLE SOIL EXCAVATION, REMOVE AND REFILL- BELOW GRADE	150.000 CY	_____	 _____	_____	 _____
Section: 1			Total:		_____	 _____
			Total Bid:		_____	 _____

SPECIAL PROVISIONS
SECTION 104
Utilities

UTILITY COORDINATION

The contractor has primary responsibility for coordinating their work with utilities after contract award. The contractor shall communicate directly with the utilities regarding any utility work necessary to maintain the contractor’s schedule and prevent project construction delays. The contractor shall notify the resident of any issues. The Contractor shall plan and conduct his work accordingly.

MEETING

A Preconstruction Utility Conference, as defined in Subsection 104.4.6 of the Standard Specifications is required.

GENERAL INFORMATION

These Special Provisions outline the arrangements that have been made by the Department for utility and/or railroad work to be undertaken in conjunction with this project. The following list identifies all known utilities or railroads having facilities presently located within the limits of this project or intending to install facilities during project construction.

Utilities have been notified and will be furnished a project specification.

Overview:

Utility/Railroad	Aboveground	Underground
Central Maine Power	X	
Time Warner Cable	X	
Fair Point	X	
Paris Utility District		X

Utility working days are Monday through Friday. Times are estimated on the basis of a single crew for each utility. Any times and dates mentioned are **estimates only** and are dependent upon favorable weather, working conditions, and freedom from emergencies. The Contractor shall have no claim against the Department if they are exceeded.

If the **Contractor** feels temporary relocation is necessary, they must notify the **Department** of their concerns prior to bid.

In all cases, the utilities shall be notified, by the Contractor, well in advance (two weeks) before work in any area is to commence.

The Contractor shall plan and schedule his work in such a manner that the utilities that are located on this project will not be harmed, damaged or impacted in any way. The Contractor and Utility will coordinate and communicate their work plans in an effort not to interfere with each other's progress or the completion of the project. The Contractor must give the utilities at least 2 weeks prior notification on when the utilities may start their work. If this communication breaks down then the Contractor shall notify the Utility Coordinator.

AERIAL

The following list is the proposed aerial utility adjustments that are anticipated as part of this project. The Department, in cooperation with our designer, has placed these pole locations in a way so the contractor can rebuild the bridge and still maintain safety clearances for crane work. The bidding contractors are encouraged to review the site and review these locations prior to bid. Once the utilities locate to these locations the utility service will remain uninterrupted for the remainder of the project. The **Contractor** will provide an initial layout (stakes/nails) of the pole locations based on the pole list that is in the project proposal/specification book (below). The Utility will then place their own stakes and minor alignment changes may be needed. Once staked the poles should be checked by the Contractors GPS for any possible conflicts with curb or drainage. The **Contractor** is then responsible for maintaining and or replacing the pole location stakes/nails until the poles are set by the respective utilities. The **Contractor** shall employ or retain competent Engineering and/or surveying personnel to fulfill these responsibilities. The **Contractor** must notify the **Department** of any errors or inconsistencies regarding the data and layout provided by the utilities.

Clearing and tree removal which is a part of this contract in areas where utilities are involved must be completed by the Contractor before the utilities can relocate their facilities. Any tree removal or tree trimming must be done by a licensed arborist. The arborist is responsible for overseeing the work and must abide by all applicable OSHA standards including but not limited to those involving working within 10-20 feet of electrical hazards.

Cuts & Fills for setting these utility poles must be accomplished by the contractor before the utility can start. The Contractor must coordinate with the utilities any cuts, fills and provide accesses that are required for the completion of their work in this section. This work must be completed as soon as possible after pre-construction meeting. Cross sections should be used by the contractor to determine those cuts and fills.

Central Maine Power and others will be eliminating their power lines over the bridge construction area. These lines will all be located to the upstream side over the existing dam and outside the project limits. This work will take time and the contractor is urged to initiate this work with the utilities directly after award.

Depending on the method of slope construction the Contractor may be working next to, or under the existing wires. The contractor is encouraged to visit the site, prior to bid, to determine how to construct safely. Temporary utility adjustments are not anticipated. If temporary relocation becomes necessary, the contractor shall notify the affected utilities. Any cost for temporary relocations shall be the responsibility of the Contractor. The Contractor shall not have any claims against the department if the existing lines become a construction issue. Sufficient time will need to be allowed prior to the construction for all required temporary relocation.

The Contractor shall not excavate around any pole, guy anchor or street light to a depth that compromises the stability of the pole. Central Maine Power is the pole owner and will hold a pole if requested by the Contractor.

Pole List:

Existing Station	Existing Offset	Proposed Station, Offset
N/A		101+15, 31'LT
101+03	21.4' RT	To remain
103+53	23.6' LT	103+51, 29'LT
104+62	32.5' RT	removed
104+99	13.8' LT	104+99, 17.8' LT

SUBSURFACE

The **Paris Utility District** has water/sewer mains and services in the project area. The **Paris Utility District** has entered into an agreement with the Department to provide replacement water and sewer main installation and adjust items, in the bid documents. These items will be in the bid document to determine low bid and **will not be** opt-out. The **Paris Utility District** and the Contractor, shall communicate directly and share item totals with the Resident at the end of each day. The **Contractor** will notify the **District** at least 48 hours prior to starting any utility related items. The **Paris Utility District** will oversee and document all installation of water and sewer related items with the Department oversight on backfill. The contact for the **Paris Utility District** is Penny Lowe at 743-6251. **Special Note: Existing water line is not currently in use on the bridge and gated on both sides. Sewer line must stay in use either by gravity or by-pass pumping.**

UTILITY SIGNING

The Contractor shall make sure any utility working within the construction limits of this project, shall ensure that the traveling public is adequately protected at all times. All work areas shall be signed, lighted, and traffic flaggers employed as determined by field conditions. All traffic controls shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices for Streets and Highways, as issued by the Federal Highway Administration.

Town: **Paris**
Bridge: **Billings**
Project: **WIN 22618.00**
Federal Number: **STP2261(800)**
Date: **December 4, 2017**

SAFE PRACTICES AROUND UTILITY FACILITIES

The Contractor shall be responsible for complying with M.R.S.A. Title35-A, Chapter 7-A Sections 751 -761 Overhead High-Voltage Line Safety Act. Prior to commencing any work that may come within ten (10) feet of any aerial electrical line; the Contractor shall notify the aerial utilities as per section 757 of the above act.

BUY AMERICA

Utility construction work performed as part this federal-aid project is subject to the requirements of Buy America in accordance with Federal Regulation 23 CFR 635.410 Section 1518. Specific requirements are presented in MaineDOT Standard Specification Section 100, Appendix A, Section 3.A., Buy America.

DIG SAFE

The Contractor shall be responsible for determining the presence of underground utility facilities prior to commencing any excavation work and shall notify utilities of proposed excavation in accordance with M.R.S.A. Title 23 §3360-A, Maine “Dig Safe” System. The contractor is also reminded that all utilities on the project may not be members of Dig Safe.

MAINTAINING UTILITY LOCATION MARKINGS

The Contractor will be responsible for maintaining the buried utility location markings following the initial locating by the appropriate utility or their designated representative.

The following utilities are known to be located on this project:

<u>Utility Companies</u>	<u>Utility Contact</u>	<u>Phone</u>
Central Maine Power Company	Scott Miller	207 647-1044
Time Warner Cable	John Bickford	207-253-2210
Fairpoint	Marty Pease	207-797-1119
Paris Utility District	Penny Lowe	207-743-6251

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE
(QC/QA Acceptance Methods)

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
A	502.21	Structural Conc. Abut. And Retaining Walls	\$400	A
A	502.23	Structural Concrete Piers	\$400	A
A	502.26	Structural Concrete Roadway & Sidewalk on Steel Bridges	\$400	A
LP	502.49	Structural Concrete Curbs & Sidewalks		C
Fill	502.565	Concrete Fill		C
LP	526.34	Permanent Concrete Transition Barrier		C

P values listed above reflect the price per cubic yard (CY) for all pay adjustment purposes.

The quantity used for Pay Adjustment purposes shall be the actual quantity of cast in place concrete placed and accepted. This quantity shall be computed by the Contractor and submitted to the Resident for approval.

SPECIAL PROVISION
SECTION 524
TEMPORARY STRUCTURAL SUPPORTS
(Bridge and Roadway Support During Staged Construction)

524.01 Description

The following sentences are added:

Temporary Structural Support – Bridge shall consist of the designing, fabricating, erecting, maintaining, and dismantling of temporary structural support(s) for the purpose of supporting portions of the existing bridge deck during staged construction.

Temporary Structural Support – Approaches shall consist of designing, fabricating, erecting, maintaining and dismantling temporary structural support for the purpose of supporting the portion of Route 117/119 carrying traffic during staged construction.

524.03 Design

The following sentence is added:

The design for the Temporary Structural Support – Approach, and Temporary Structural Support - Bridge shall be submitted to the Resident at least 3 weeks prior to construction.

524.05 Method of Measurement

This section is revised as follows:

Temporary Structural Support – Approaches and Bridge will be measured for payment by lump sum. Lump sum measurement will include design, erection, and dismantling. Temporary supports used by the Contractor for their convenience will not be measured for payment. The work associated with the removal and reinstallation of existing appurtenances (e.g. guardrails, sign supports, etc.) to facilitate the erection of temporary supports will not be measured for payment, but will be considered incidental to the Temporary Structural Support Pay Item.

524.06 Basis of Payment

This section is revised as follows:

The accepted quantities of Temporary Structural Support – Approach and Bridge will be paid for at the Contract lump sum price for the type specified. Such payment shall be full compensation for the design, furnishing all materials, equipment, labor, installation, maintenance, moving, resetting, dismantling and removal of such support, and all incidentals necessary to complete the work.

Payments will be made under:

	<u>Pay Item</u>	<u>Pay Unit</u>
524.301	Temporary Structural Support - Bridge	Lump Sum
524.301	Temporary Structural Support - Approaches	Lump Sum

SPECIAL PROVISION
SECTION 526
CONCRETE BARRIER
(Portable Concrete Barrier, Anchored)

Add to 526.01 Description.

Portable Concrete Barrier, Anchored Double faced concrete barrier anchored as shown on the plans.

Amend 526.03 Construction.

Add the following paragraph: "Portable Concrete Barrier, Anchored shall be anchored by a method satisfactory to the Resident."

Amend 526.04 Method of Measurement.

Replace "Temporary concrete barrier" with "Temporary concrete barrier or portable concrete barrier" in the second paragraph.

Amend to 526.05 Basis of Payment.

Add the following paragraph: "Portable Concrete Barrier, Anchored will be paid for at the contract unit price per linear foot".

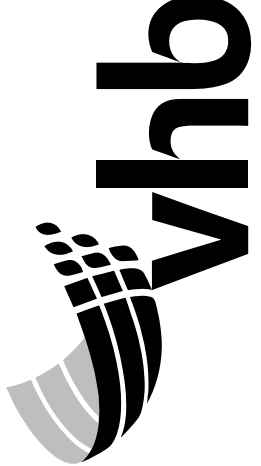
Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
526.302 Portable Concrete Barrier, Anchored	Linear Foot

ITEM NO.	ESTIMATED QUANTITIES DESCRIPTION	QUANTITY	UNIT
202.10	Removing Existing Superstructure Property of Contractor (195 CY)	1	LS
202.12	Removing Existing Structural Concrete	85	CY
202.1235	Diamond Grinding Concrete Pavement	480	SY
202.202	Removing Pavement Surface	430	SY
203.20	Common Excavation	1740	CY
203.22	Unclassified Excavation	355	CY
203.24	Common Borrow	20	CY
203.25	Granular Borrow	170	CY
206.082	Structural Earth Excavation - Major Structures, Plan Quantity	180	CY
206.092	Structural Rock Excavation - Major Structures	30	CY
304.10	Aggregate Subbase Course-Gravel	1255	CY
403.208	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size	30	T
403.2081	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Polymer Modified)	150	T
403.209	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (sidewalks, drives, islands & incidentals)	80	T
403.211	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (shimming)	5	T
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base Course)	30	T
403.2131	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base Course, Polymer Modified)	175	T
409.15	Bituminous Tack Coat, Applied	105	GAL
424.3331	Asphalt Low Modulus Crack Sealer, Applied	10	LB
424.304	High Molecular Weight Methacrylate Sealer	5	Gal
502.21	Structural Concrete, Abutments and Retaining Walls	195	CY
502.23	Structural Concrete Piers	30	CY
502.26	Structural Concrete Roadway and Sidewalk Slab on Steel Bridges (165 CY)	1	LS
502.49	Structural Concrete Curbs and Sidewalks (40 CY)	1	LS
502.565	Concrete Fill	5	CY
503.12	Reinforcing Steel, Fabricated and Delivered	18300	LB
503.13	Reinforcing Steel, Placing	18300	LB
503.17	Mechanical/Welded Splice	892	EA
503.26	Stainless Steel Reinforcement, Fabricated and Delivered	18500	LB
503.27	Stainless Steel Reinforcement, Placing	18500	LB
504.701	Structural steel fabricated and delivered, rolled (196200 LB)	1	LS
504.71	Structural steel erection (196200 LB)	1	LS
505.08	Shear Connectors (3540 EA)	1	LS
506.9104	Thermal Spray Coating (Shop Applied)	1	LS
507.0821	Steel Bridge Railing, 3 Bar (127 LF)	1	LS
507.0831	Steel Bridge Railing, 4 Bar (181 LF)	1	LS
508.14	High Performance Waterproofing Membrane (94 SY)	1	LS
510.11	Special Detour, Pedestrian Traffic Only	1	LS
511.07	Cofferdam (Abutment 1)	1	LS
511.07	Cofferdam (Abutment 2)	1	LS
511.07	Cofferdam (Pier)	1	LS
514.06	Curing Box for Concrete Cylinders	1	EA
515.20	Protective Coating for Concrete Surfaces	1405	SY
518.50	Repair of Upward Facing Surfaces - to Reinforcing Steel < 8 inches	50	SF
518.51	Repair of Upward Facing Surfaces - Below reinforcing Steel < 8 inches	50	SF
518.60	Repair of Vertical Surfaces < 8 inches	90	SF
518.70	Repair of Overhead Surfaces < 8 inches	51	SF
523.52	Bearing Installation	18	EA
523.5401	Laminated Elastomeric Bearings, Fixed	6	EA
523.5402	Laminated Elastomeric Bearings, Expansion	12	EA
524.301	Temporary Structural Support - Bridge	1	LS
524.301	Temporary Structural Support - Approaches	1	LS
526.301	Temporary Concrete Barrier, Type I (60 LF)	1	LS
526.302	Portable Concrete Barrier, Anchored	140	LF
526.34	Permanent Concrete Transition Barrier	4	EA
527.34	Work Zone Crash Cushions	2	U
530.30	Glass Fiber Reinforced Polymer, Fabricated and Delivered	49300	LF
530.31	Glass Fiber Reinforced Polymer, Placing	49300	LF
603.159	12 Inch Culvert Pipe Option III	28	LF
603.169	15 Inch Culvert Pipe Option III	105	LF
604.072	Catch Basin Type A1-C	6,375	EA
604.18	Adjusting Manhole or Catch Basin to Grade	7	EA
604.182	Cleaning Existing Catch Basin and Manhole	7	EA
604.249	Catch Basin Type F6-C	1	EA
605.12	15 Inch Underdrain Type C	250	LF
606.1722	Bridge Transition - Type II	3	EA
606.178	Guardrail Beam	6	LF
606.23	Guardrail Type 3c - Single Rail	19	LF
606.231	Guardrail Type 3c - 15 ft radius and less	37,625	LF
606.25	Terminal Connector	1	EA
606.265	Terminal End-Single Rail - Galvanized Steel	2	EA
606.353	Reflectorized Flexible Guardrail Marker	8	EA
606.79	Guardrail 350 Flared Terminal	2	EA
607.163	Chain Link Fence - 4 foot - PVC Coated	60	LF
608.26	Curb Ramp Detectable Warning Field	70	SF
609.11	Vertical Curb Type I	469	LF
609.12	Vertical Curb Type I - Circular	43	LF
609.23	Terminal Curb Type I	3	EA
609.2371	Terminal Curb Type I - 7 Foot Circular	5	EA
609.238	Terminal Curb Type I - 8 Foot	2	EA
609.247	Terminal Curb Type 2 - 7 feet	1	EA
610.08	Plain Riprap	250	CY
615.07	Loam	20	CY
618.13	Seeding Method Number 1	1	U
618.14	Seeding Method Number 2	2	U
619.12	Mulch	3	U

ITEM NO.	ESTIMATED QUANTITIES DESCRIPTION	QUANTITY	UNIT
619.14	Erosion Control Mix	40	CY
627.733	4" White or Yellow Painted Pavement Marking Line	1750	LF
627.75	White or Yellow Pavement & Curb Marking	130	SF
627.78	Temp 4" Pvmt Mark Line W or Y	95	LF
629.05	Hand Labor, Straight Time	40	HR
631.12	All Purpose Excavator (including operator)	40	HR
631.172	Truck-large (including operator)	80	HR
631.32	Culvert Cleaner (including operators)	16	HR
639.18	Field Office, Type A	1	EA
643.72	Temporary Traffic Signal	1	LS
645.103	Demount Guide Sign	4	EA
645.106	Demount Regulatory, Warning, Confirmation, and Route Marker Assembly Sign	1	EA
645.113	Reinstall Guide Sign	4	EA
645.116	Reinstall Regulatory, Warning, Confirmation and Route Marker Assembly Sign	1	EA
652.312	Type III Barricades	18	EA
652.33	Drum	85	EA
652.34	Cone	100	EA
652.35	Construction Signs	403	SF
652.361	Maintenance Of Traffic Control Devices	1	LS
652.38	Flaggers	260	HR
652.41	Portable-Changeable Message Sign	4	EA
656.75	Temporary Soil Erosion and Water Pollution Control	1	LS
658.20	Acrylic Latex Color Finish	45	SY
659.10	Mobilization	1	LS

NON-PARTICIPATING - SEWER AND WATER - ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.1912	Remove Abandoned Asbestos Cement Pipe	190	LF
801.011	Sewer Manhole Bypass Pumping System	1	LS
801.03	Test Pits	2	EA
801.18	12-Inch PVC Sanitary Sewer (SDR-35)	175	LF
802.10	12" Ductile Iron Water Main	500	LF
802.181	12-Inch Preinsulated DI Sanitary Sewer	1	LS
803.138	Sewer Services	45	LF
803.1732	Sewer Manhole - 4 Foot Diameter	22	VF
812.164	Rebuilding Sewer Manhole Invert	1	EA
822.302	12-Inch Preinsulated Ductile Iron Pipe	1	LS
823.311	12-Inch Gate Valve With Box	5	EA
823.3251	8-Inch Gate Valve With Box	3	EA
824.30	Fire Hydrant Assembly	1	EA
825.33	1-Inch Corporations	6	EA
825.331	1-Inch Curb Stops	6	EA
825.43	1-Inch Copper Service Pipe	160	LF
825.5411	Temporary Water Main	1	LS
827.304	Trench Rock Excavation	100	CY
827.311	Unsuitable Soil Excavation, Removal, & Refill	150	CY

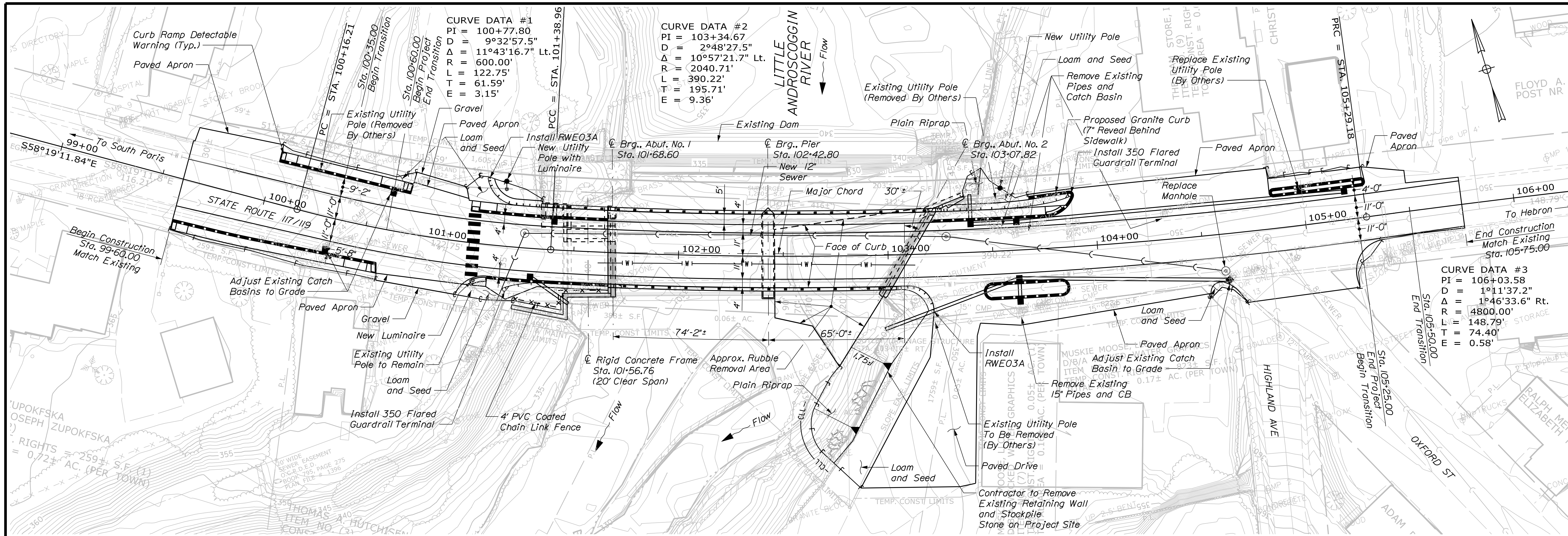
	STATE OF MAINE DEPARTMENT OF TRANSPORTATION PROJECT NO. STP-2261(800) WIN 022618.00 BRIDGE NO. 2979 BRIDGE PLANS
BILLINGS BRIDGE OVER LITTLE ANDROSCOGGIN RIVER PARIS OXFORD COUNTY	QUANTITIES
SHEET NUMBER 3	OF 57

Date: 1/18/2018

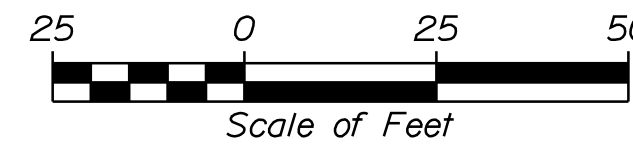
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Division: Structures

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PLAN



ROADWAY CONSTRUCTION NOTES

1. A temporary ramp shall be constructed with HMA at the ends of the roadway section paved or milled each day. The use of millings or RAP will not be allowed, but cold patch may be temporarily utilized until HMA plants are open for the season. Temporary ramps shall be constructed at a length of four feet per inch of transition depth. Materials, placement, maintenance, and removal shall be incidental to contract items.
2. Grind transition tapers at Catch Basins under Item 202.202 Removing Pavement Surface in accordance with Standard Detail 609(05) or as directed by the Resident.
3. Trim all tree branches to 20 feet above the pavement and 21 feet from centerline. A tree specialist shall be subcontracted for this work and payment will be made by invoice plus 5%. Any tree branches damaged by the Contractor during construction will be trimmed at the Contractor's expense.
4. Driveway fill side slopes shall be the same as the non-guardrail fill slopes unless otherwise noted on the plans.
5. All waste material not used on the project shall be disposed of off the project in acceptable waste areas reviewed by the Resident. Grading, seeding and mulching of waste areas shall be considered incidental.
6. Existing inslopes steeper than 2:1 in proposed fill areas shall be benched as directed by the Resident.
7. Residential paved entrances shall be constructed with: 2" hot mix asphalt and 12" aggregate subbase course gravel.
8. Commercial paved entrances shall be constructed with: 3" hot mix asphalt and 11" aggregate subbase course gravel.
9. Gravel entrances shall be constructed with 14" aggregate subbase course gravel or 11" aggregate subbase course gravel and 3" untreated aggregate surface course unless otherwise noted in the plans or directed by the Resident.
10. A 3" paved lip shall be placed at all unpaved entrances unless otherwise noted in the plans or directed by the Resident.
11. All paved walks to be constructed with 12" aggregate subbase course gravel and 2" hot mix asphalt unless otherwise noted in the plans or directed by the Resident.

ROADWAY CONSTRUCTION NOTES (CONTINUED)

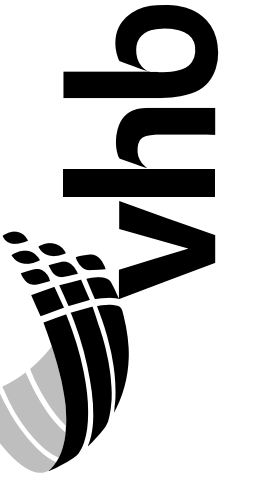
12. Any necessary cleaning of existing pavement prior to paving or milling shall be incidental to the related paving or milling items. This includes killing and removal of all vegetative matter.
13. Prior to surface paving, existing culverts to remain shall be cleaned as directed by the Resident. Payment will be made under Item 631.32 Culvert Cleaner (Including Operators).
14. Granular borrow used under pipes shall meet the requirements for material for underwater backfill as specified in Standard Specification 703.19.
15. Existing culverts and catch basins will be cleaned as directed by the Resident under the appropriate pay items.
16. Any necessary cutting of existing catch basins to allow for proposed pipe connections will not be paid for separately and will be considered incidental to Item 603 or 605.
17. Existing abandoned water mains broken by the Contractor during construction shall have the ends plugged with brick and mortar. Cost for all labor and material will be considered incidental to the contract and no direct payment will be made.
18. All existing guardrail shall be removed and become the property of the Contractor. Removal and disposal shall be considered incidental to the guardrail items.
19. Two Reflectorized Flexible G.R. Markers (Item 606.353) will be installed at each guardrail end.
20. Loam has been estimated for disturbed lawn areas. Actual placement of the loam shall be as noted on the plans or designated by the Resident.
21. Unless otherwise noted Seeding Method No. 1 shall be utilized on all lawns and developed areas; Seeding Method No. 2 shall be utilized on all other areas.
22. Loam shall be placed to a nominal depth of 4 inches in lawn areas and 2 inches in all other areas unless otherwise noted or directed.

△ 23. Note deleted.

ROADWAY CONSTRUCTION NOTES (CONTINUED)

24. The Contractor will be responsible for maintaining all existing mailboxes to ensure that the mail will be deliverable. Payment for this work will be made under the appropriate rental items.
25. Any damage to the slopes caused by the Contractor's equipment, personnel, or operation shall be repaired to the satisfaction of the resident. All work, equipment, and materials required to make repairs shall be at the Contractor's expense.
26. Areas requiring fill on the project will come from suitable material from excavation, ditch and inslope or equipment rental areas.
27. No separate payment for superintendent or foreman will be made for the supervision of equipment and layout of work being paid for under the equipment rental items.
28. "Undetermined Locations" shall be determined by the Resident.
29. Final striping for the project shall be done by the Contractor per the striping layout in the contract documents or as provided by the Department. Payment shall be made under appropriate contract items.
30. Excluding water gate valves, all HMA for patching around adjusted, altered, or rebuilt utility structures shall meet the gradation requirements of a 9.5 mm or 12.5 mm mixture. The Contractor shall saw cut the existing pavement for the patch at least two feet away from the nearest edge of the structure. The Contractor shall place HMA in lifts of 3" or less, as directed by the resident, and compact the HMA using a minimum of a 150 pound plate compactor. HMA for patching around adjusted, altered, or rebuilt utility structures is considered incidental to the respective pay item for adjust, alter, or rebuild utility structure.

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 PROJECT NO. STP-2261(800)
 WIN 022618.00
 BRIDGE NO. 2979
 BRIDGE PLANS



PROJ. MANAGER	J. KITTEDGE	DATE
DESIGN-DETAILED	KCD	11/17
CHECKED-REVIEWED	JAW	11/17
DESIGNS-DETAILED	SSG	
REVISIONS 1	NOTE DELETED	1/18/18
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BILLINGS BRIDGE OVER
 LITTLE ANDROSCOGGIN RIVER
 OXFORD COUNTY
 PARIS
 GENERAL PLAN

SHEET NUMBER

4

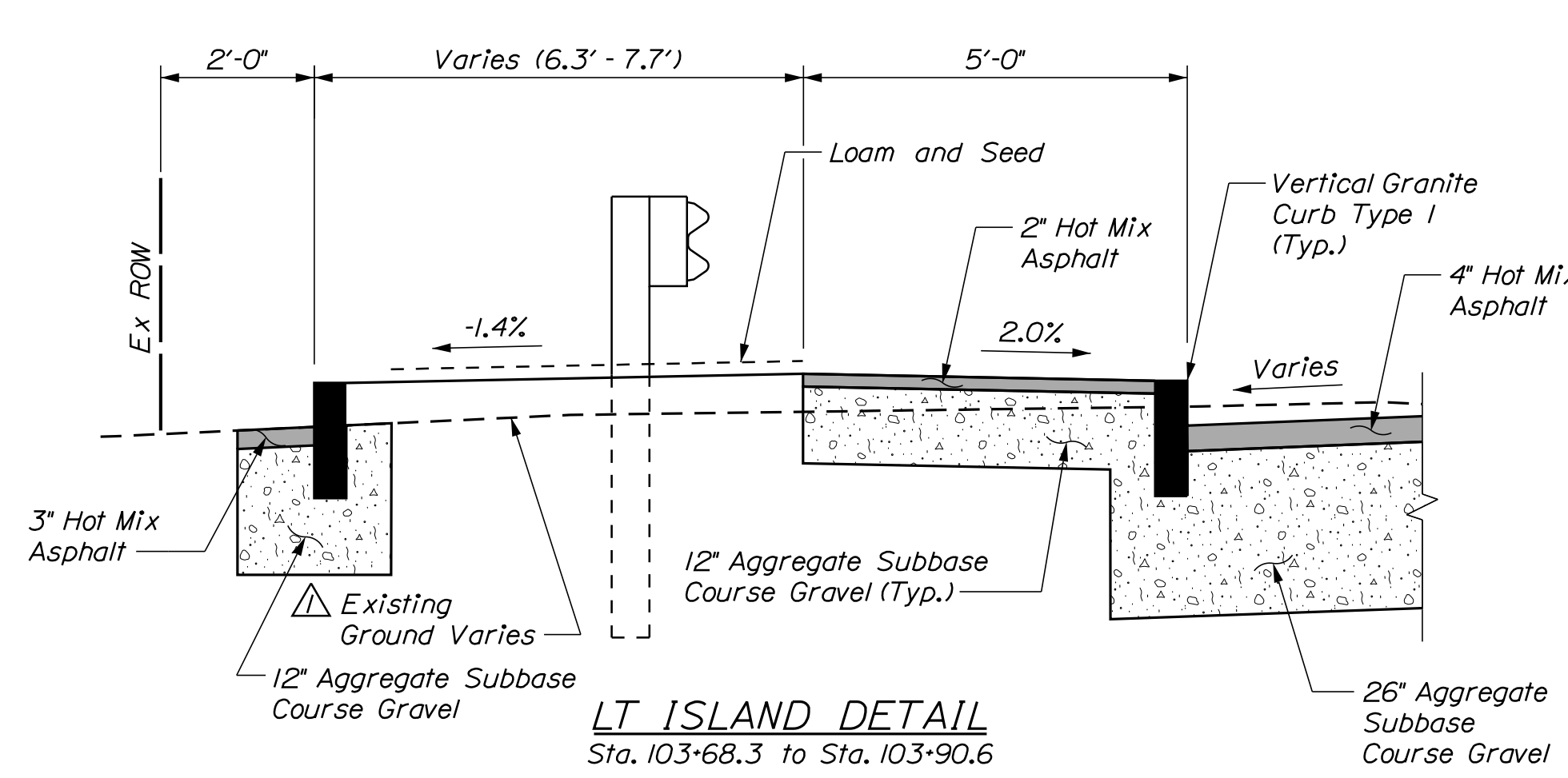
OF 57

Date: 1/18/2018

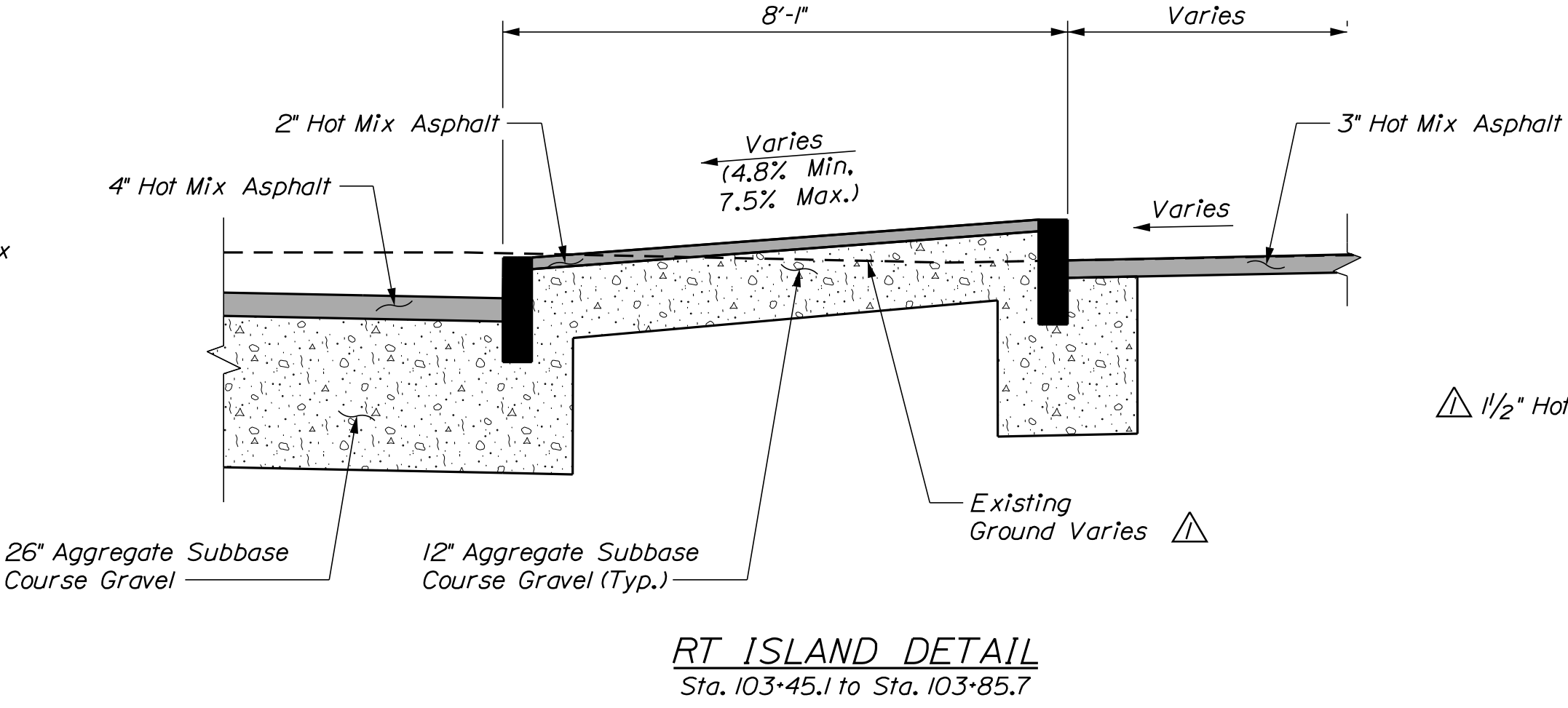
Username: kwentworth

Division: Structures

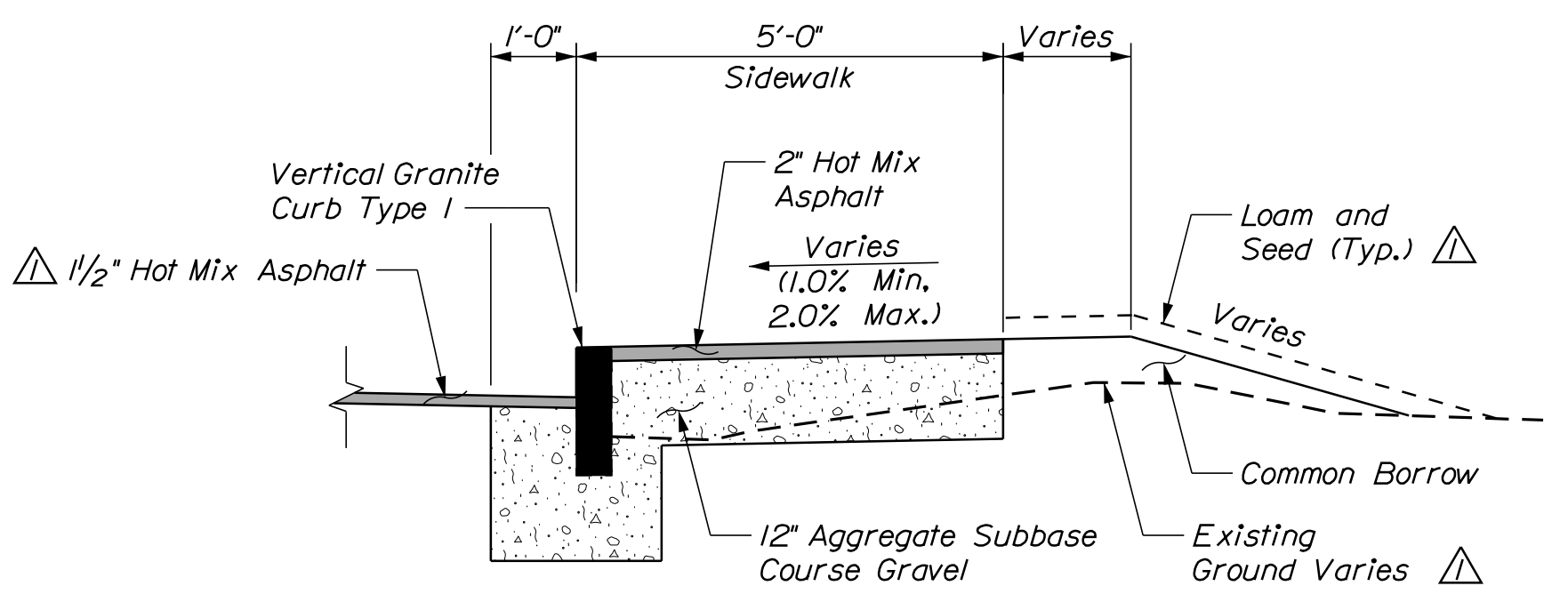
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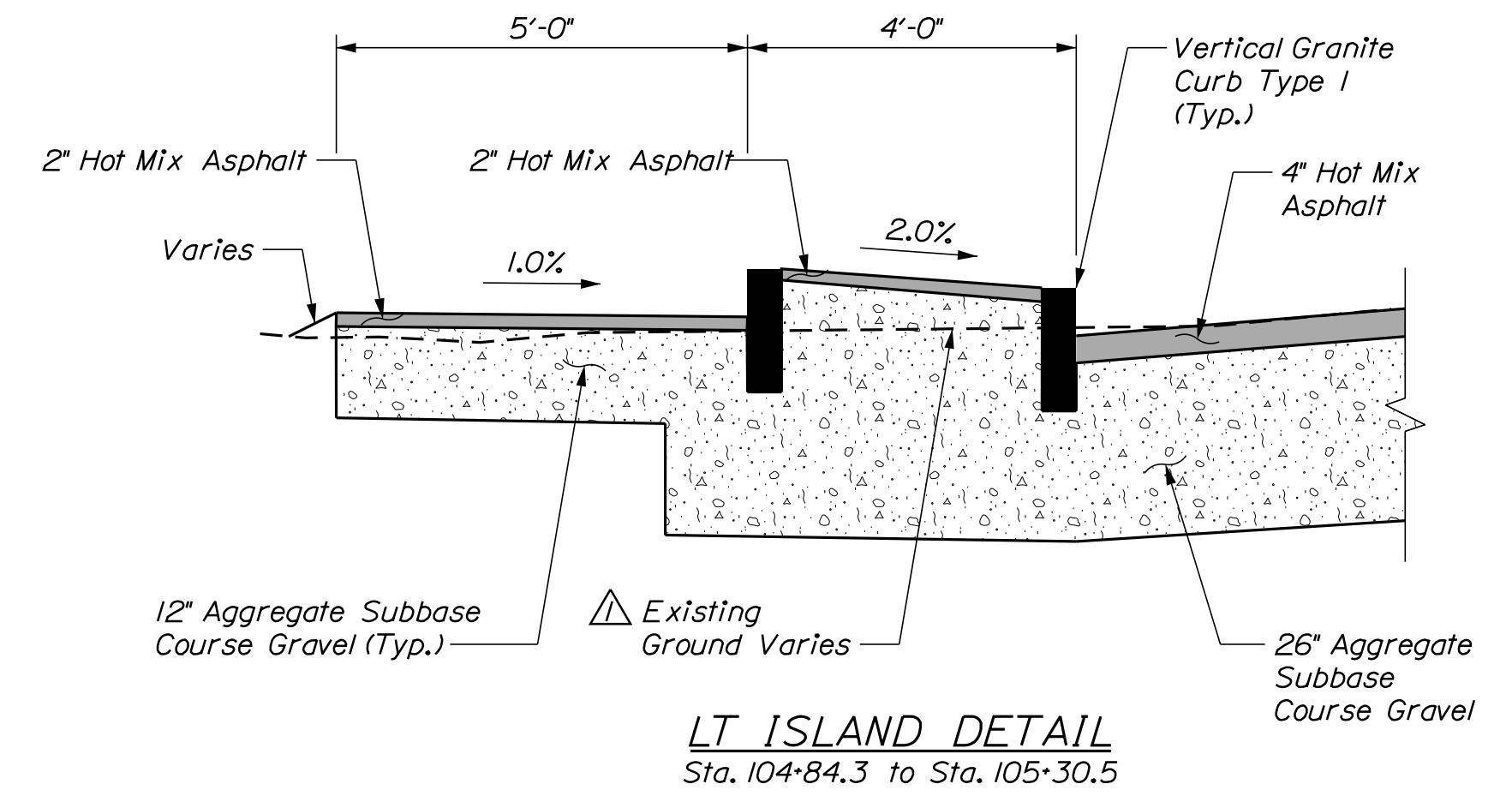
LT ISLAND DETAIL
Sta. 103+68.3 to Sta. 103+90.6



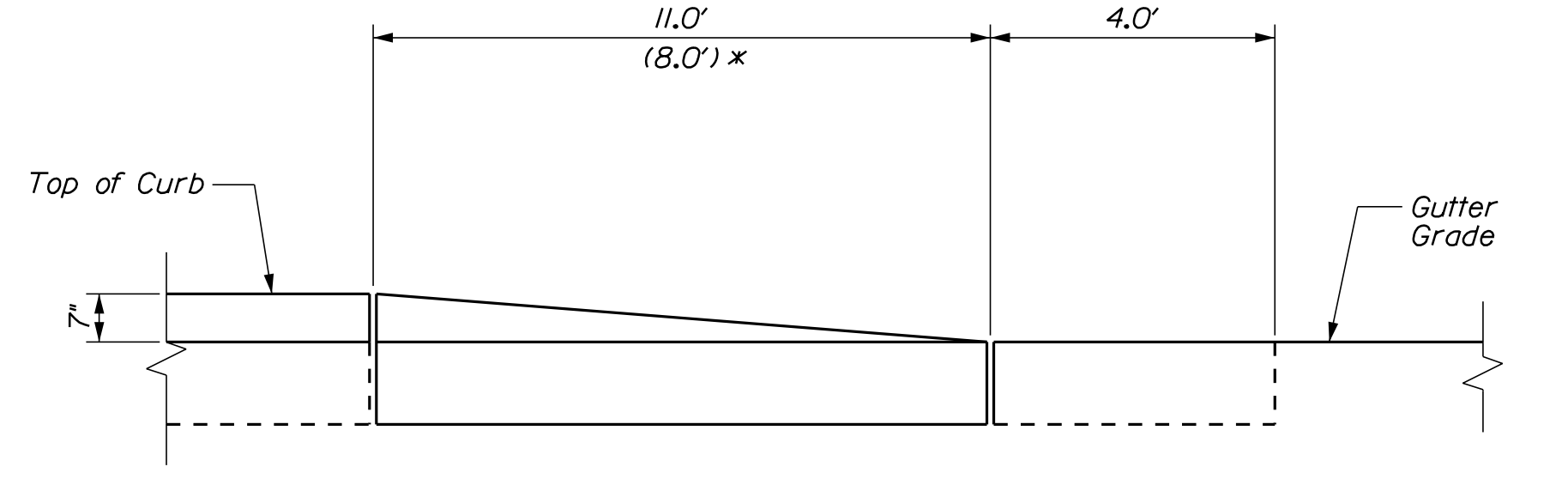
RT ISLAND DETAIL
Sta. 103+45.1 to Sta. 103+85.7



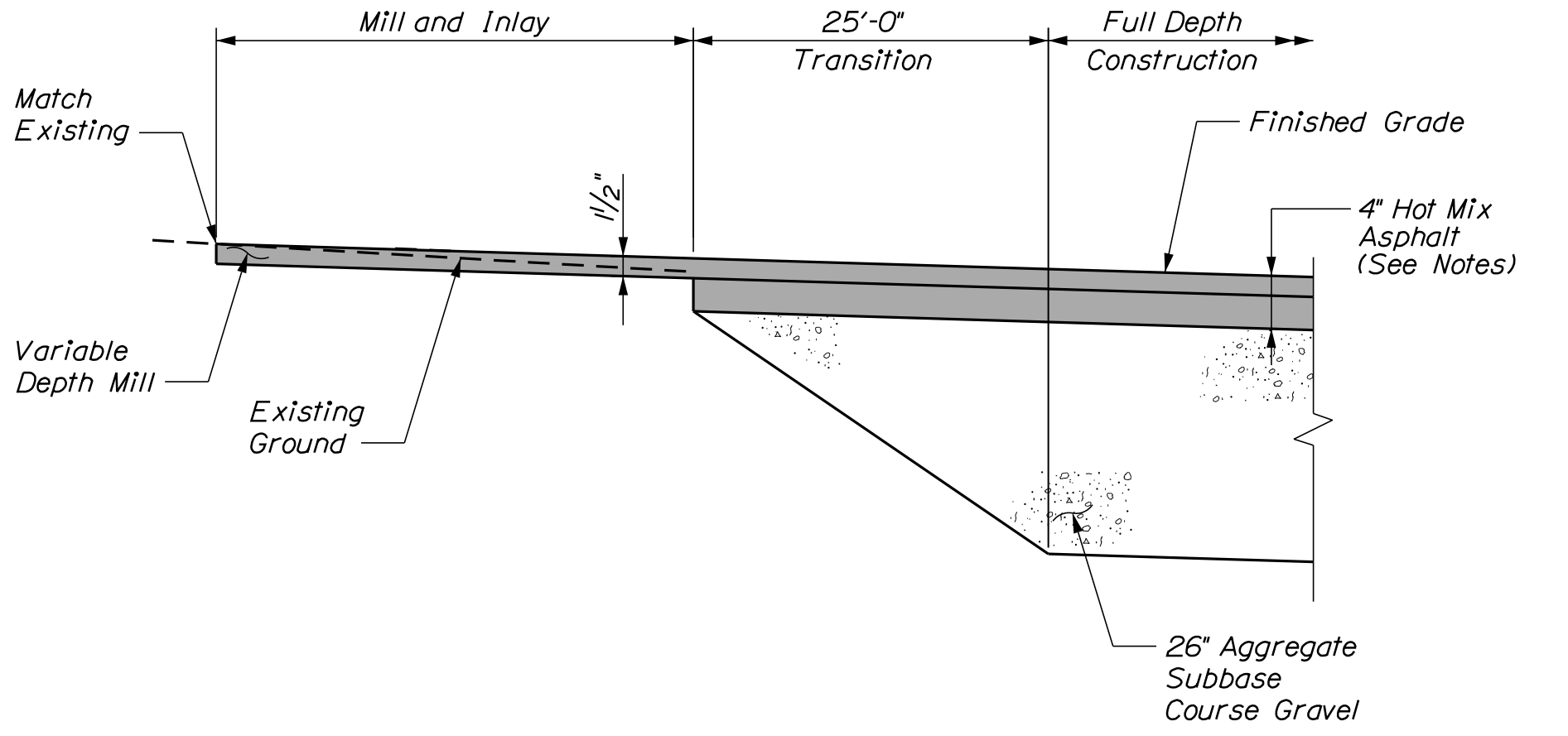
SIDEWALK DETAIL
Sta. 99+60.0 to Sta. 100+35.0, RT
Sta. 100+02.2 to Sta. 100+35.0, LT



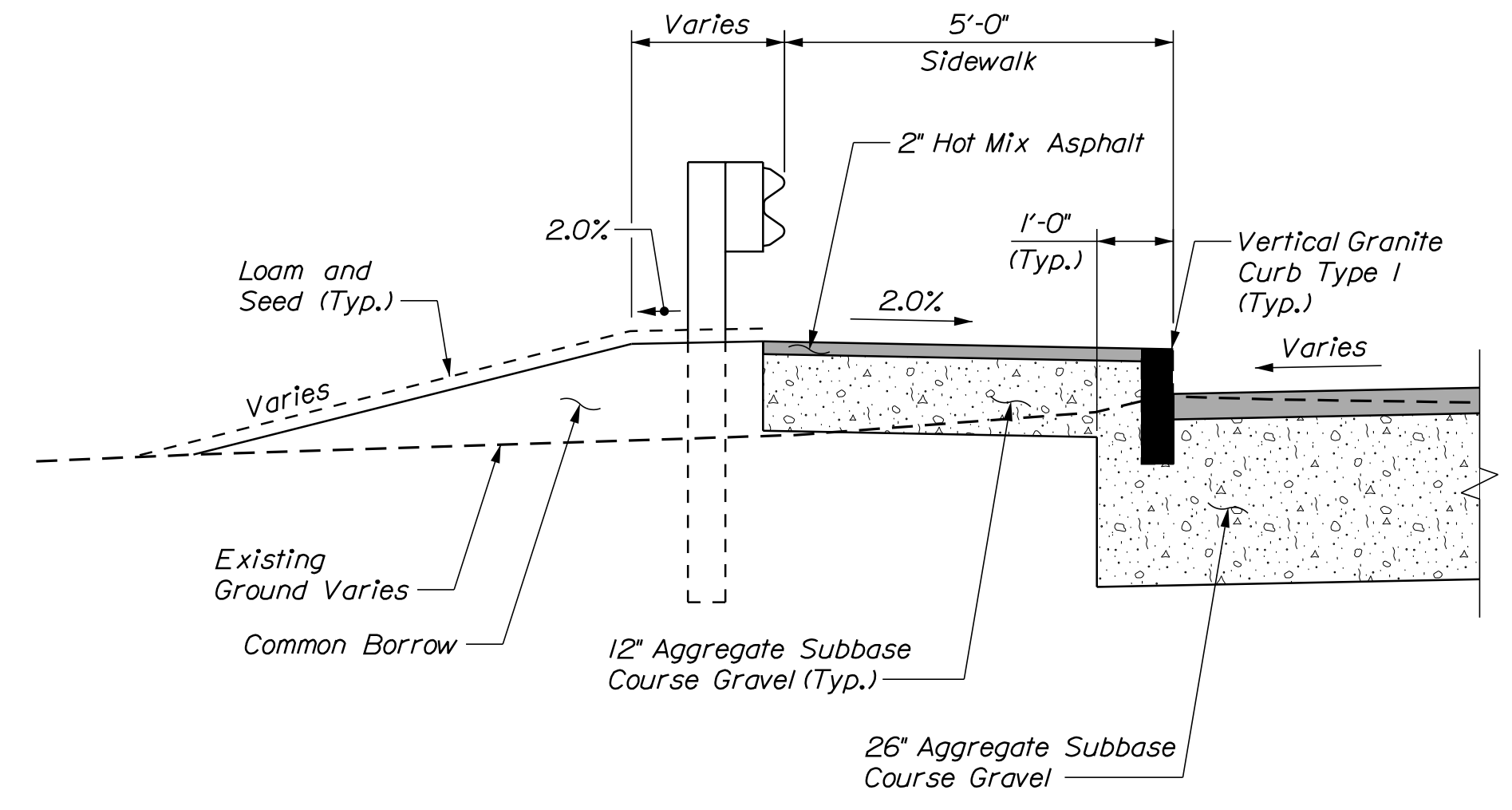
LT ISLAND DETAIL
Sta. 104+84.3 to Sta. 105+30.5



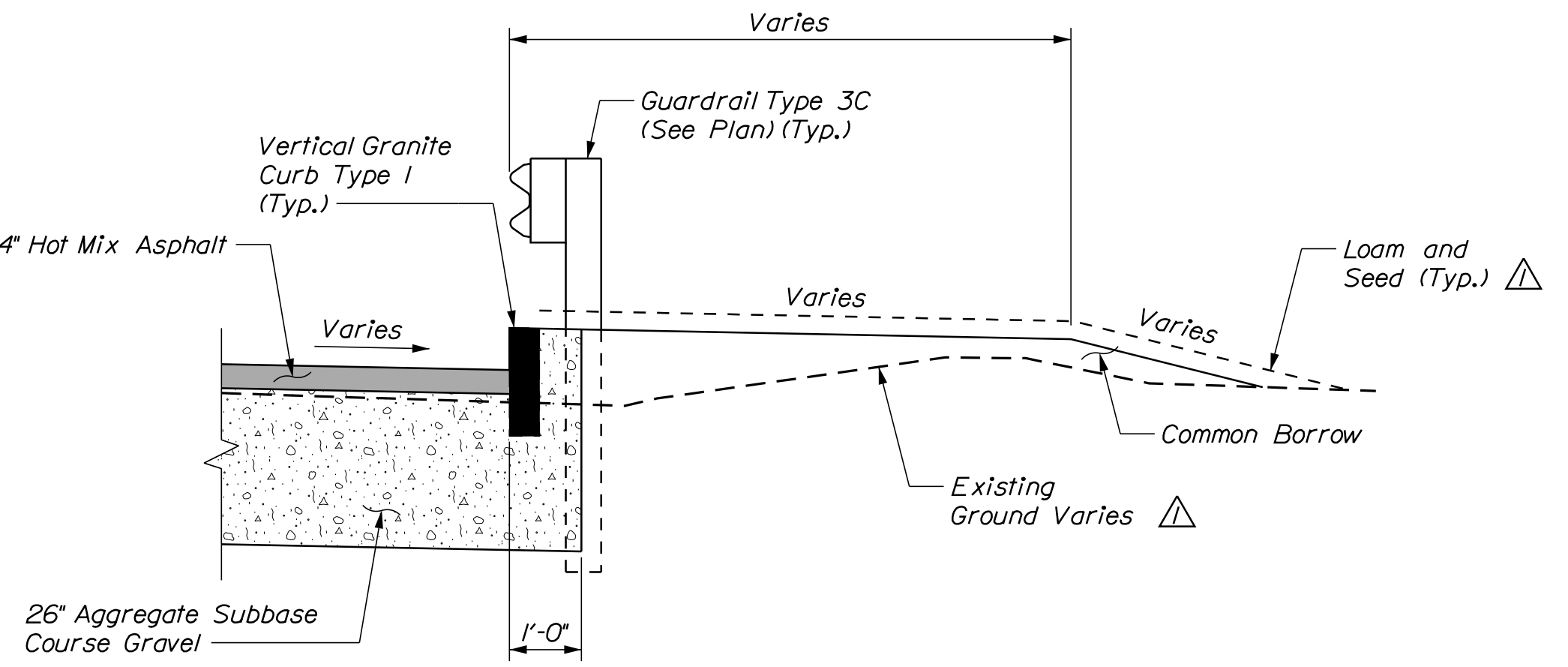
TERMINAL CURB DETAIL
Sta. 100+43.4 to Sta. 100+58.0, RT
Sta. 100+52.9 to Sta. 100+68.4, LT
* Sta. 100+99.0 to Sta. 101+11.4 LT



MILL AND INLAY DETAIL

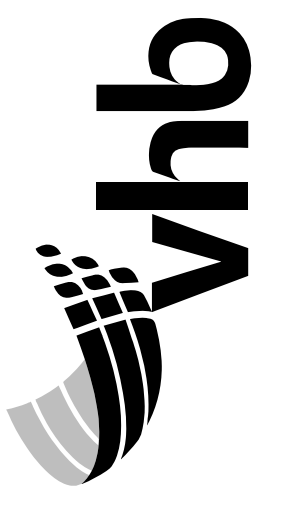


LT GUARDRAIL DETAIL
Sta. 101+06.0 to Sta. 101+33.3 and
Sta. 103+26.1 to Sta. 103+88.6



RT GUARDRAIL DETAIL
Sta. 101+18.5 to Sta. 101+67.1

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NO. STP-2261(800)
WIN 022618.00
BRIDGE NO. 2979
BRIDGE PLANS



PROJ. MANAGER	J. KITTRIDGE	DATE
DESIGN DETAILED	KCD	11/17
CHECKED/REVIEWED	KCW	11/17
DESIGN DETAILED	GSG	
DESIGN DETAILED		1/18/18
REVISIONS 1	ADDED CALLOUTS	
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BILLINGS BRIDGE OVER
LITTLE ANDROSCOGGIN RIVER
OXFORD COUNTY
PARIS
TYPICAL SECTIONS
AND DETAILS (2 OF 2)

SHEET NUMBER

7

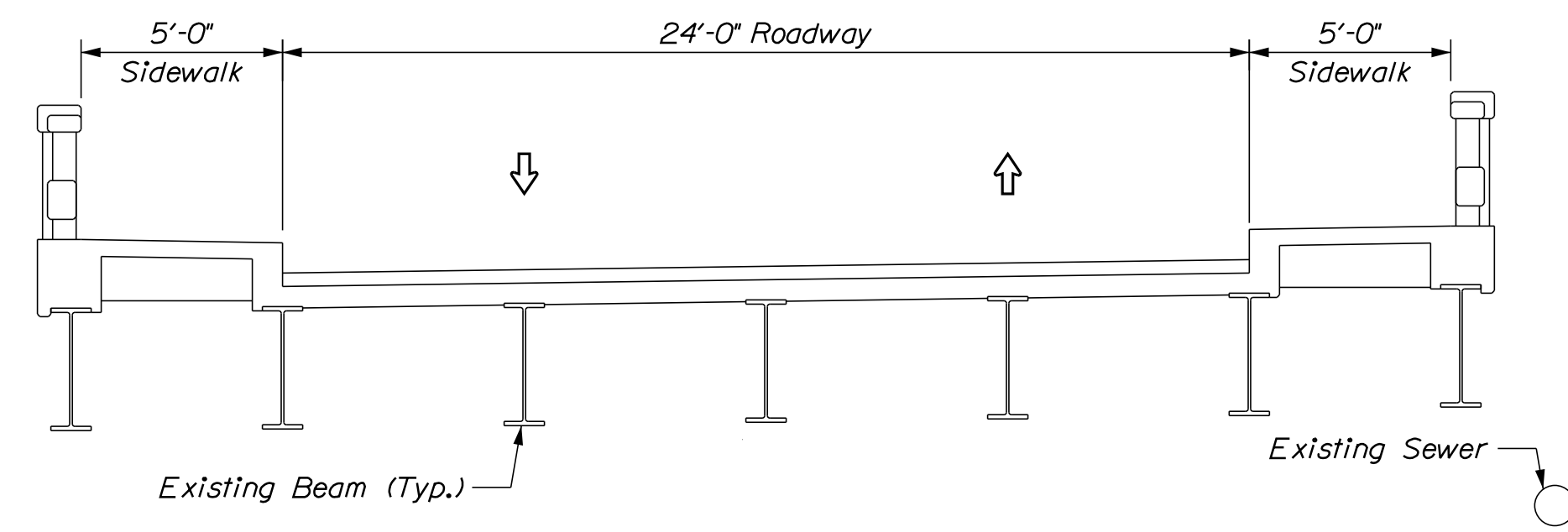
OF 57

Date: 1/19/2018

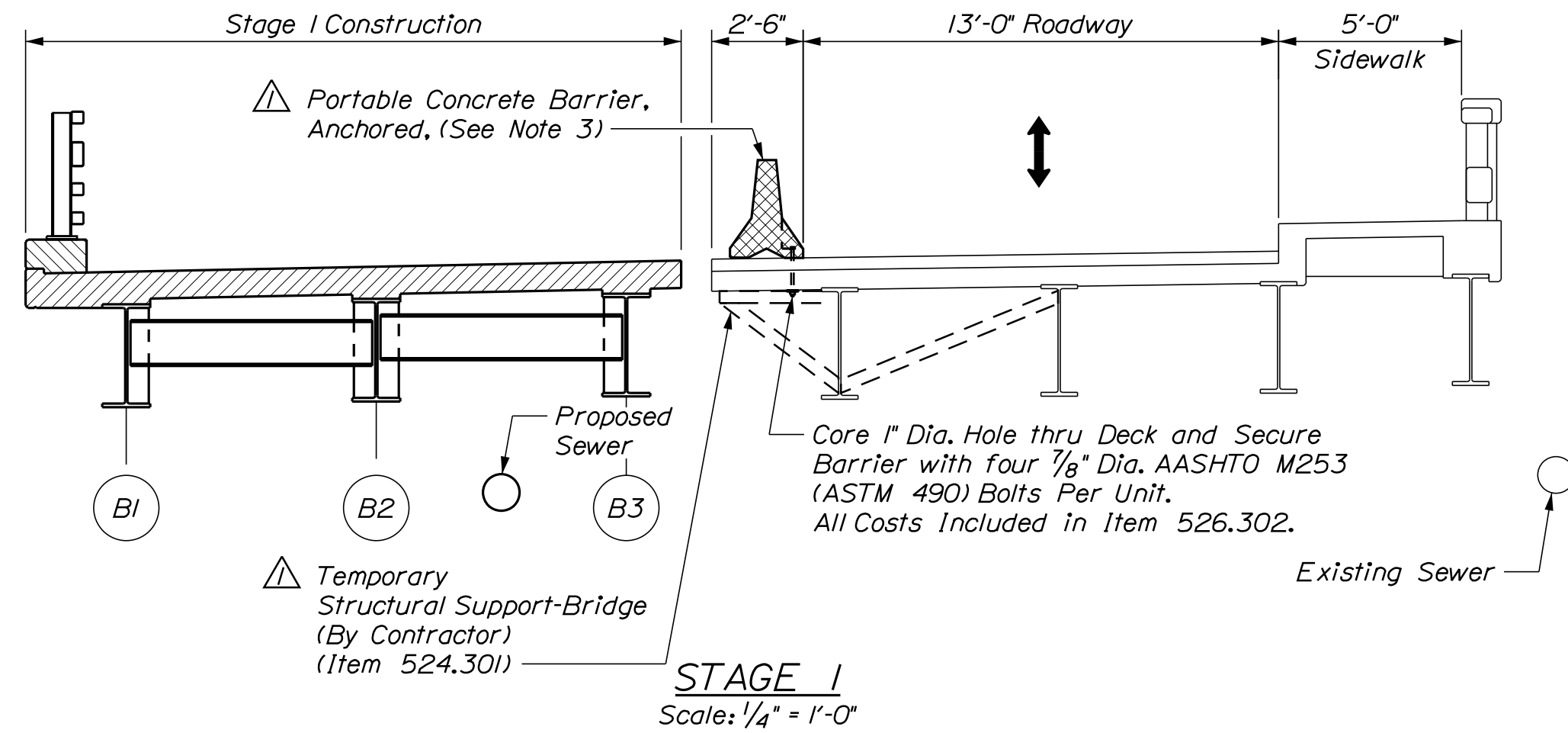
Username: kwentworth

Division: Structures

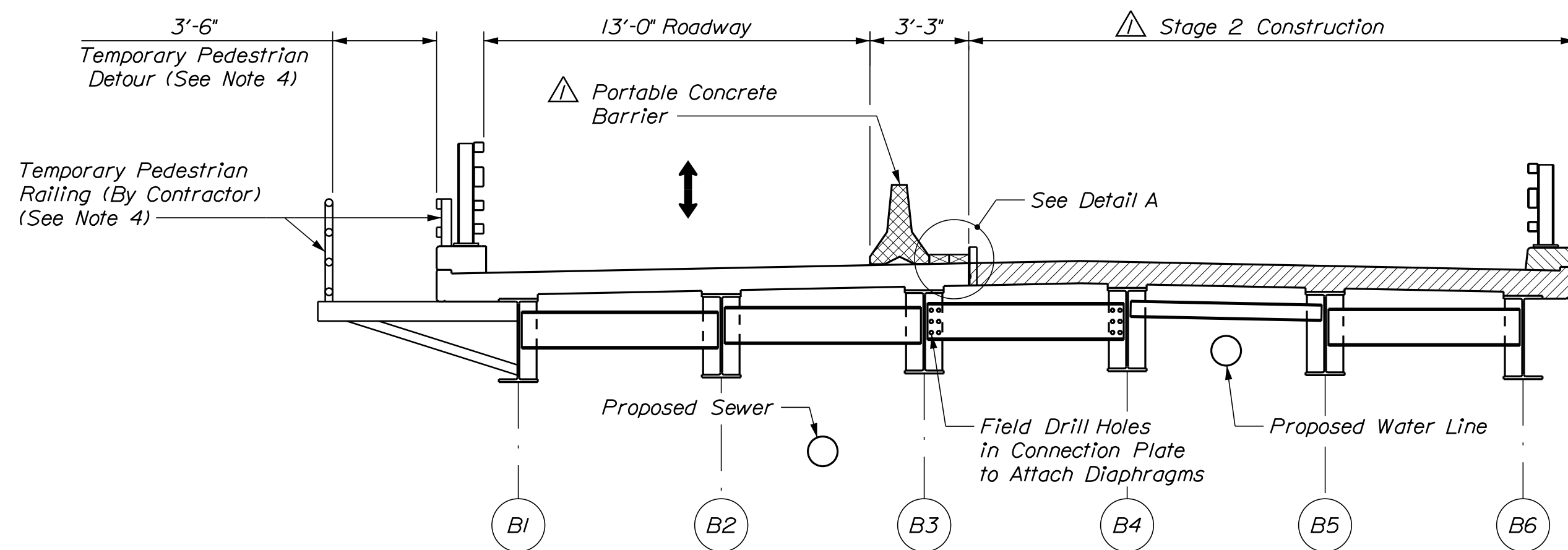
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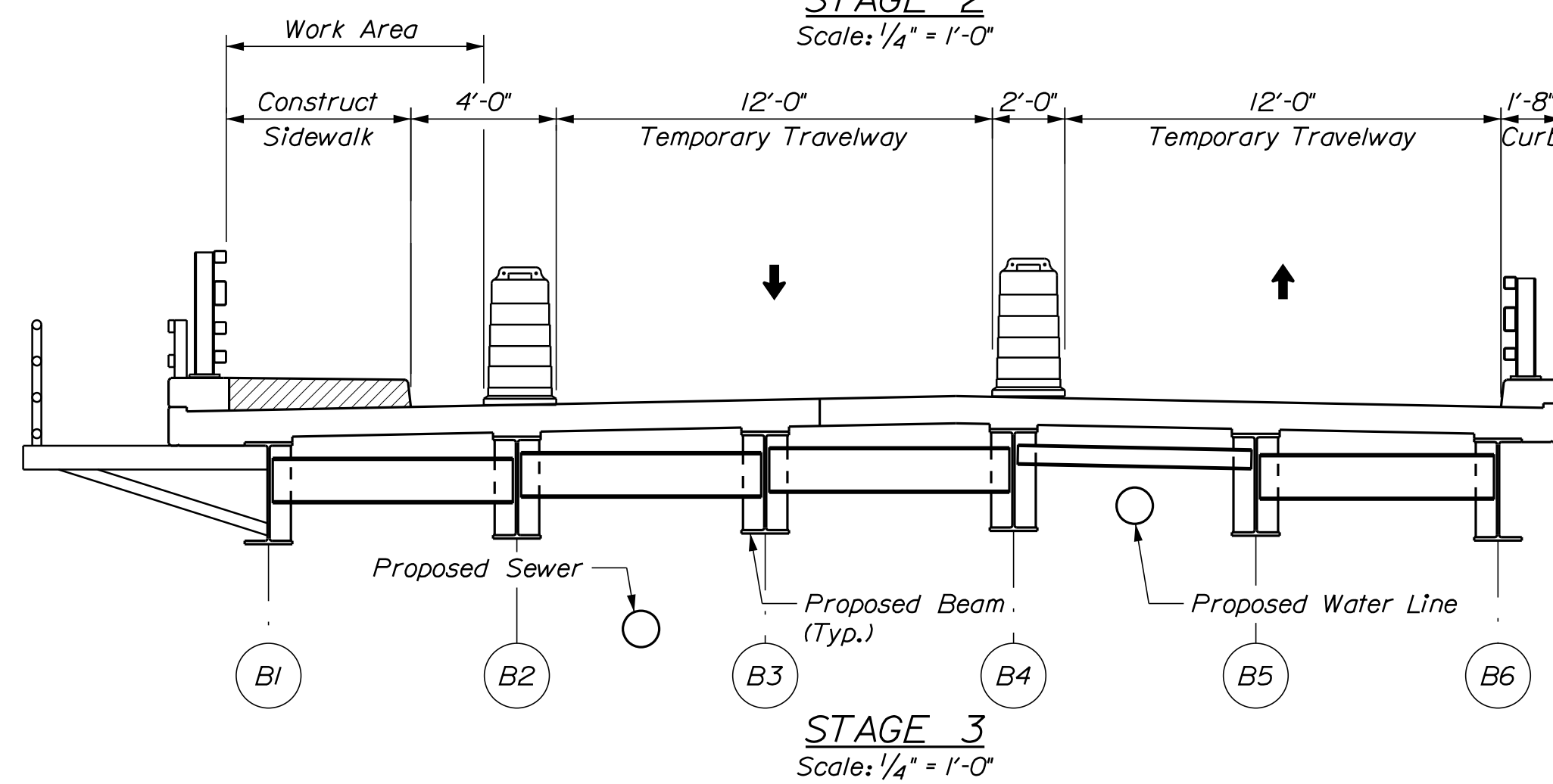
EXISTING BRIDGE
Scale: 1/4" = 1'-0"



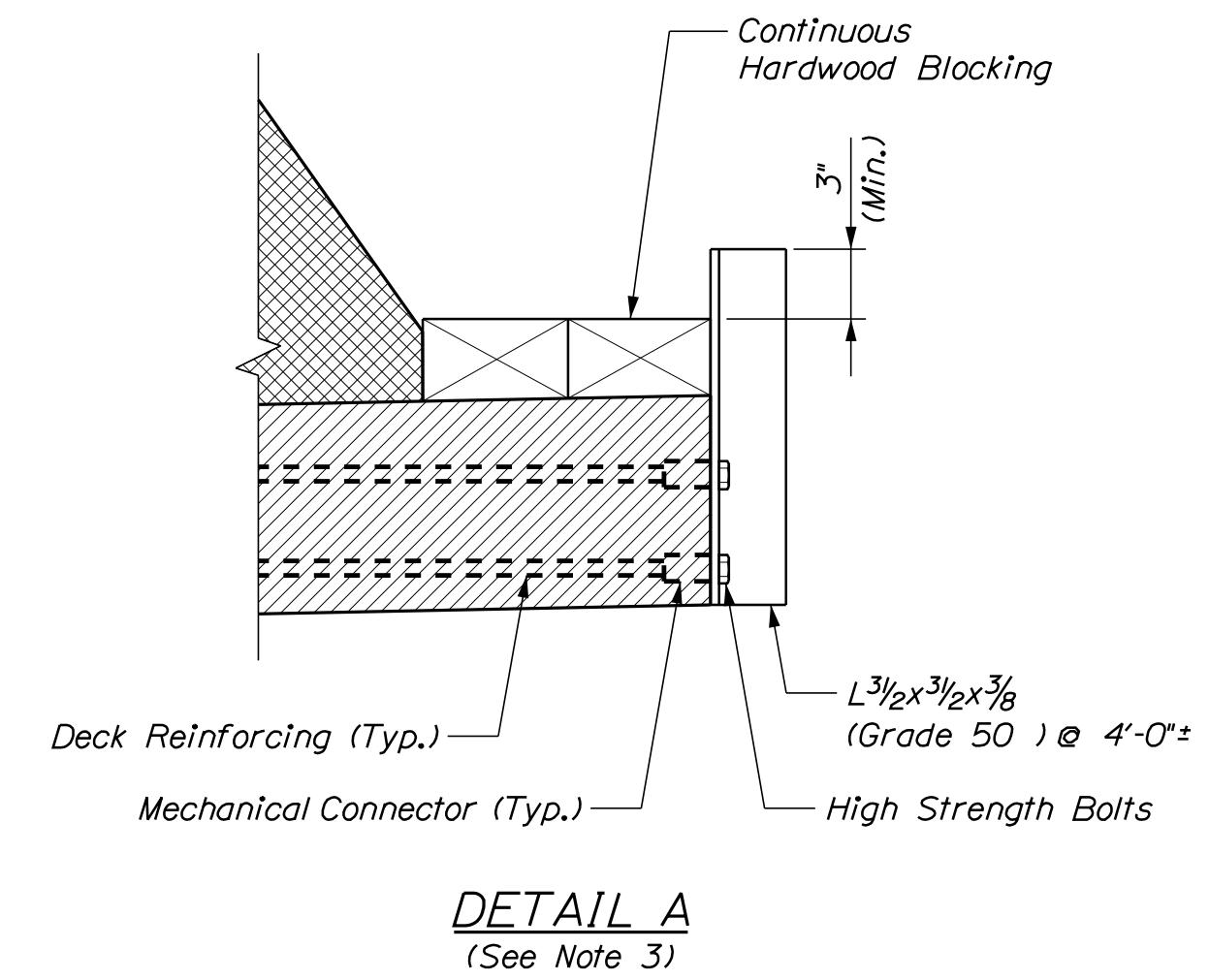
STAGE 1
Scale: 1/4" = 1'-0"



STAGE 2
Scale: 1/4" = 1'-0"



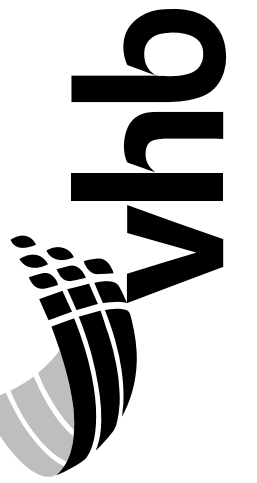
STAGE 3
Scale: 1/4" = 1'-0"



DETAIL A
(See Note 3)

CONSTRUCTION PHASING NOTES

1. All construction shall be completed using approved Traffic Control Procedures and in accordance with approved Traffic Control Plans.
2. Deck formwork between B3 and B4 shall be designed for HL-93 loading and all applicable dead loads. Cost included in Item 502.26.
3. Design load is 3.4 klf with 4'-0" maximum spacing. Remove Temporary Angle Bracing as shown in Detail A once deck formwork is in place between B3 and B4. All costs included in Item 526.302. Details shown are conceptual. The Contractor shall design the anchored connection in accordance with the MaineDOT Standard Specifications and submit details and calculations to the Resident for approval.
4. The Contractor shall design the Temporary Pedestrian Detour in accordance with the Standard Specifications and submit details and calculations to the Resident for approval. All costs included in Item 510.11, Special Detour, Pedestrian Traffic Only.
5. See Temporary Signal Plans sheet for additional information.
6. Install diaphragms between B3 and B4 prior to forming Phase 2 Deck Placement. Field Drill connection plate on B3 or B4 using holes in diaphragm member as a template.
7. See Temporary Signal Plan Stage 2 for temporary pedestrian access.
8. Diamond grinding to be completed under localized lane closures after Stage 3 is completed.



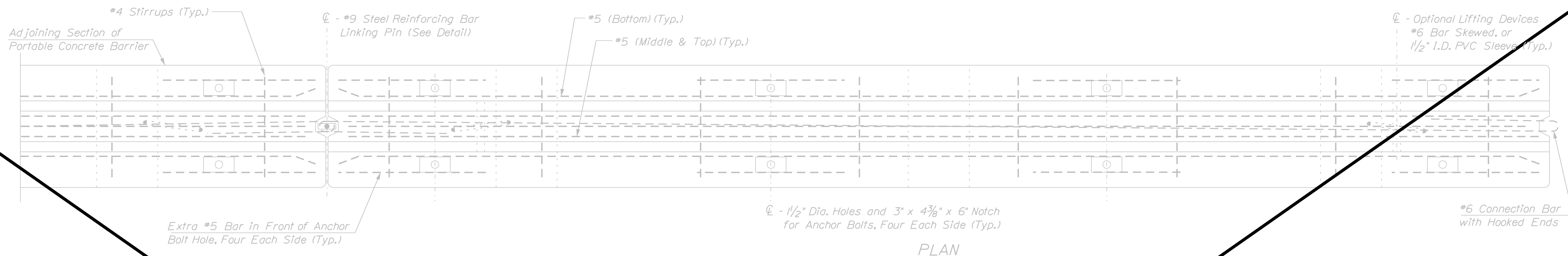
PROJ. MANAGER	J. KITTRIDGE	BY	DATE
DESIGN-DETAILED	KCD	KDW	11/17
CHECKED-REVIEWED	JAW	GSG	11/17
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1		NOTES AND CALLOUTS	1/18/18
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

Date: 1/18/2018

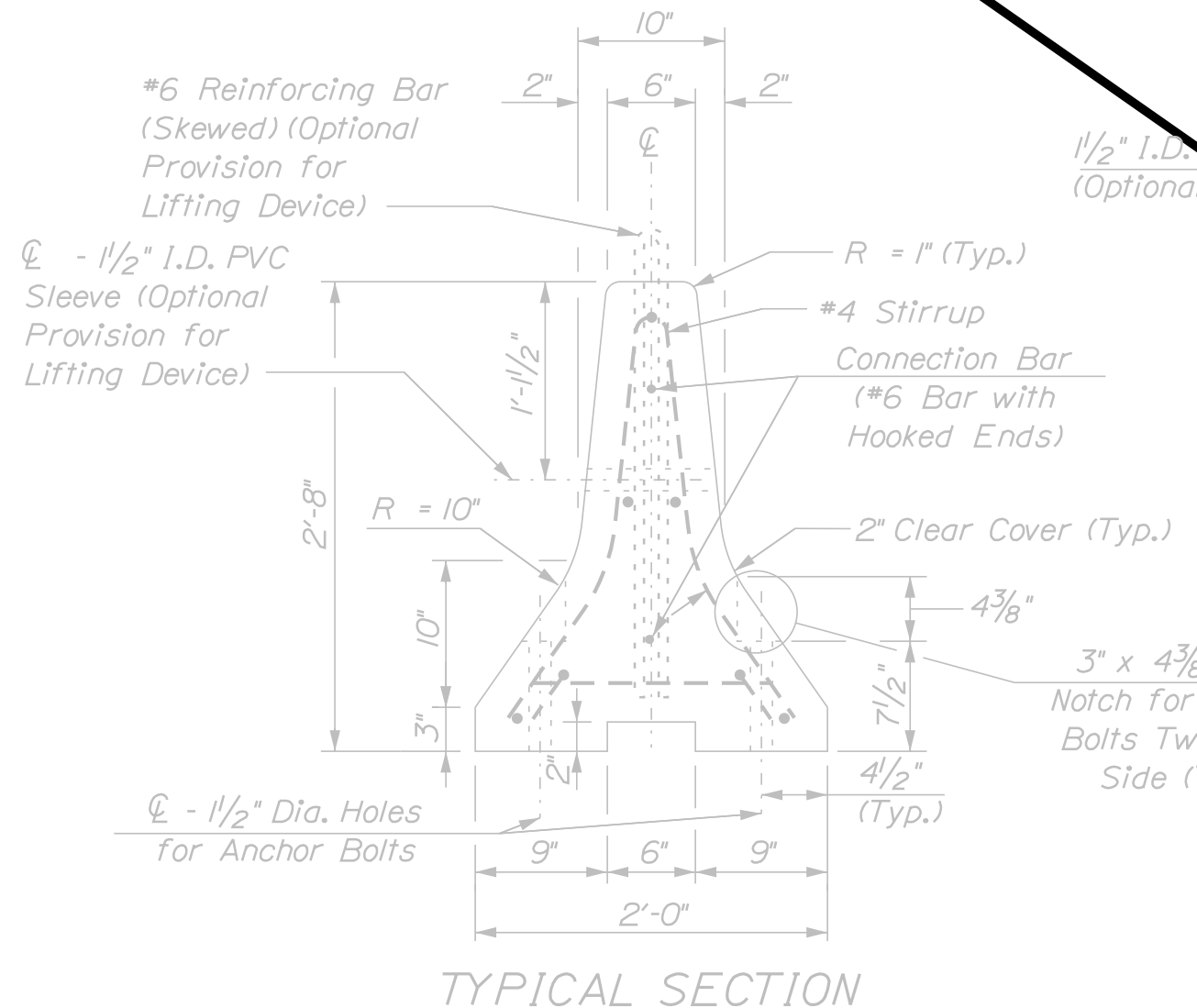
Username: kwentworth

Division: Structures

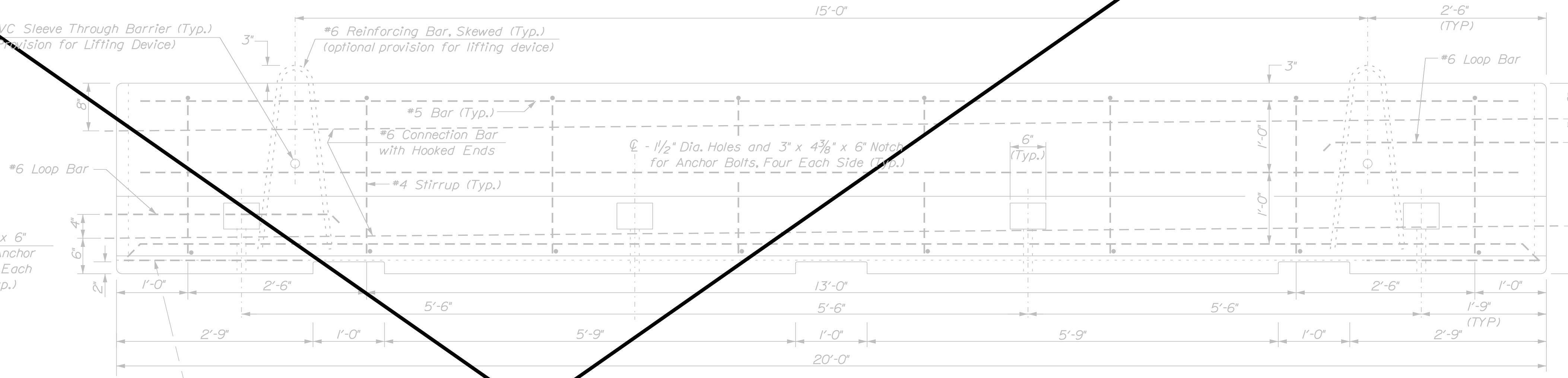
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PLAN



TYPICAL SECTION



ELEVATION

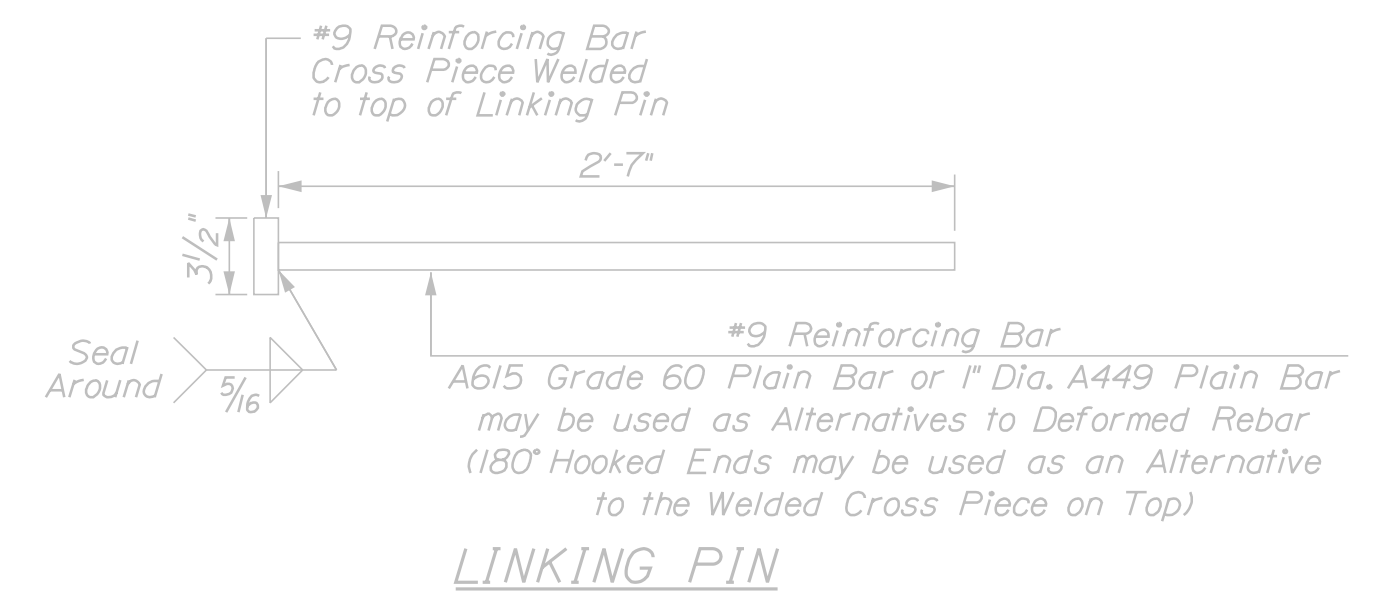
GENERAL NOTES

- The portable concrete barrier details, as shown on this sheet, are in compliance with the requirements of NCHRP Report 350.
- Concrete barrier shall be furnished by the Contractor and paid as Item 526.302, Portable Concrete Barrier, Anchored. End treatments and connections to existing barriers, when required, shall be subsidiary to Item 526.302.
- The Contractor shall furnish and install approved retroreflective delineators at 25-foot intervals along the top and/or one foot down the side of the portable concrete barrier, subsidiary to Item 526.302. The color of delineators shall, in all cases, conform to the color of edge line markings.
- Unprotected openings in portable concrete barrier will not be permitted, unless specifically authorized by the Resident.
- Other barrier configurations and end connections are subject to approval by the Resident. Barriers of different geometric shapes shall not be mixed on the same run.

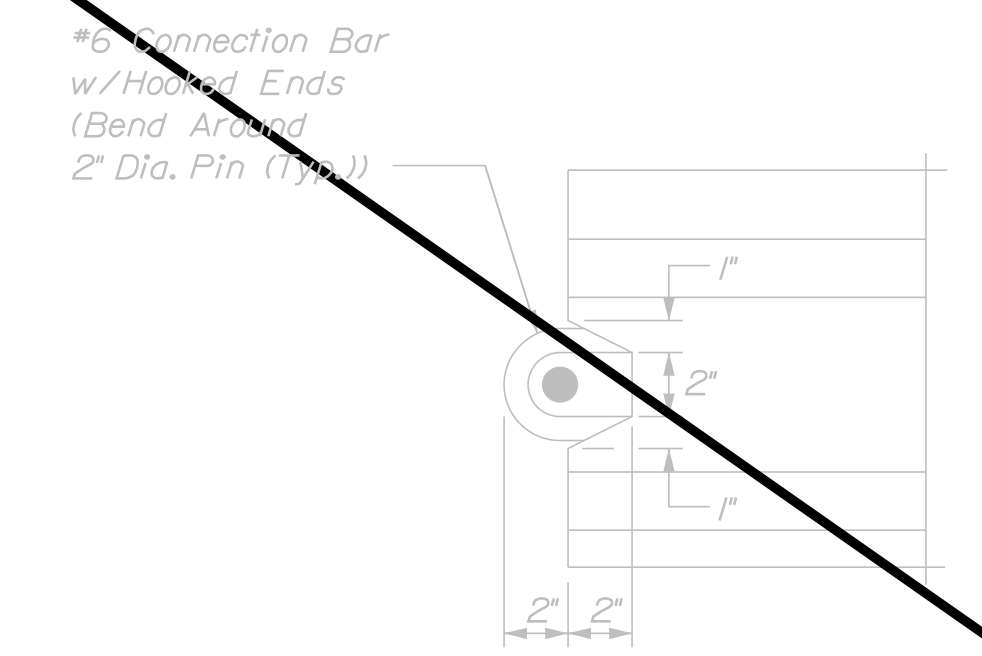
MATERIAL NOTES

- Barriers shall have a minimum 28 day compression strength of 4,000 psi. Barriers shall have a smooth uniform surface free of defects and irregularities. Casting date shall be shown on barrier. All exposed edges of concrete shall be chamfered 3/4" unless otherwise noted.
- All reinforcing steel shall be AASHTO M31 (ASTM-A615) Grade 60. Reinforcement shown is the minimum required.
- Each barrier unit shall include one linking pin.
- Lifting options shown are advisory only. It shall be the Contractor's responsibility to provide adequate lifting points on each barrier.
- Connecting devices shall be compatible with other units.
- Delineators shall be attached to the barrier using an approved adhesive material or by bolts and anchors.

PORTABLE CONCRETE BARRIER REINFORCING SCHEDULE				
Description	Size	No.	Unbent Length	Type
Connection Bar	#6	2	24'-9 1/2"	
Bottom Longitudinal	#5	2	19'-10"	
Center & Top Longitudinal	#5	3	19'-4"	
Bottom Transverse	#5	8	1'-4"	
Stirrups	#4	8	5'-0"	
Extra Anchor Hole Bar	#5	8	2'-5"	
Lifting Device (Optional)	#6	2	5'-4"	
Loop Bar	#6	2	6'-10 1/4"	



LINKING PIN



END NOTCH DETAIL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NO. STP-2261(800)



PROJ. MANAGER	J. KITREDE	DATE
DESIGN DETAILED	KCD	11/17
CHECKED/REVIEWED	KW	11/17
DESIGN DETAILED	CSS	
REVISIONS 1	SHEET NOT USED	1/18/18
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BILLINGS BRIDGE OVER
LITTLE ANDROSCOGGIN RIVER
PARIS
OXFORD COUNTY
PORTABLE CONCRETE BARRIER (ANCHORED)

SHEET NUMBER
23
OF 57

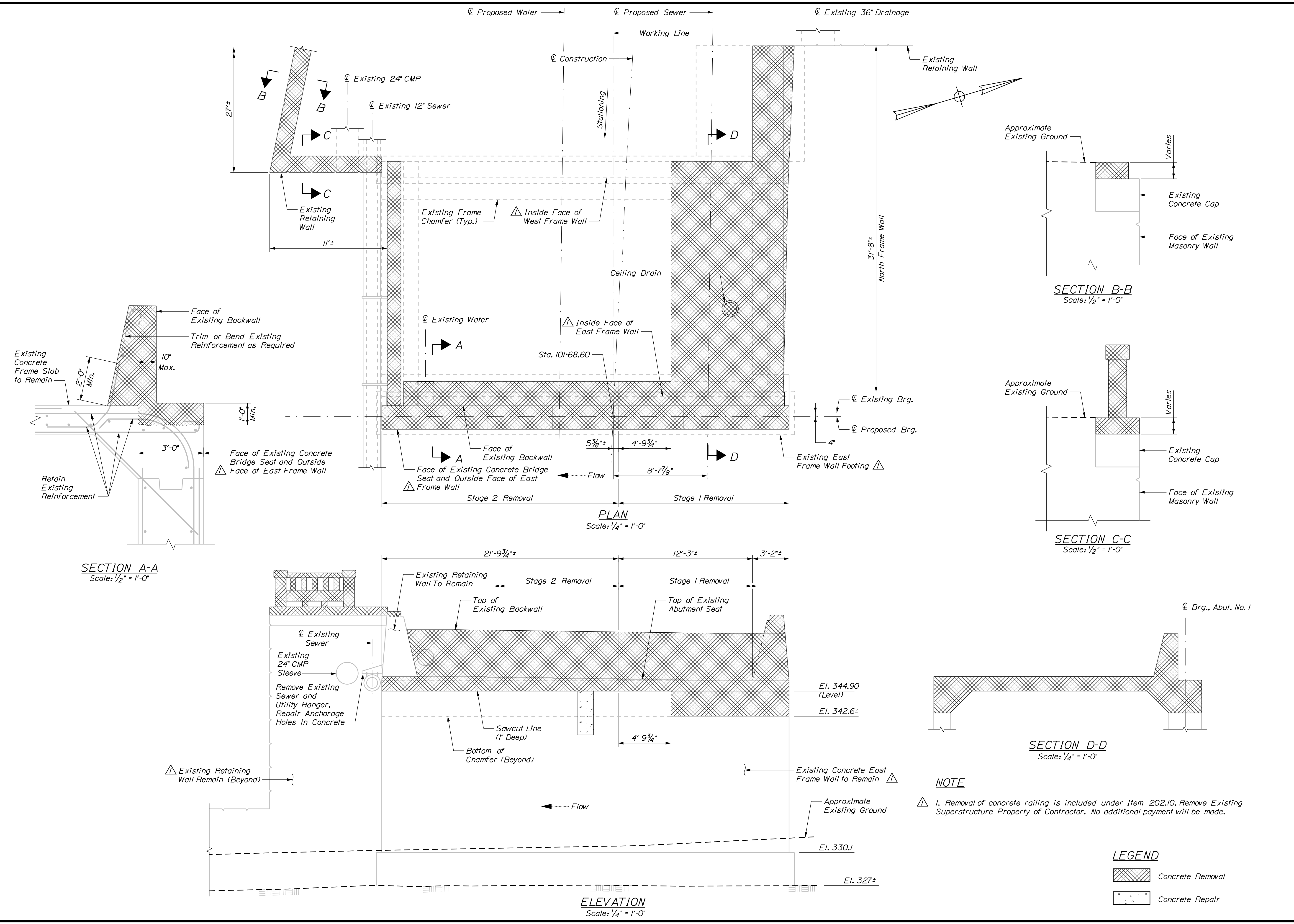
BRIDGE NO. 2979
WIN
022618.00
BRIDGE PLANS

Date: 1/18/2018

Username: kwentworth

Division: Structures

Filename: ... \BRIDGE\MSTA\028_abut1_00.dgn



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 PROJECT NO. STP-2261(800)
 WIN 022618.00
 BRIDGE NO. 2979



PROJ. MGR.	J. KITTRIDGE	DATE
DESIGN DETAILED	KCD	11/17
CHECKED/REVIEWED	KCW	11/17
DESIGN DETAILED	CSG	
DESIGN DETAILED		
REVISIONS 1	CALLOUTS AND NOTES	
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BILLINGS BRIDGE OVER
 LITTLE ANDROSCOGGIN RIVER
 OXFORD COUNTY
 PARIS
 ABUTMENT NO. 1
 REMOVAL AND REPAIRS

SHEET NUMBER
 28
 OF 57

NOTE
 1. Removal of concrete railing is included under Item 202.10, Remove Existing Superstructure Property of Contractor. No additional payment will be made.

LEGEND

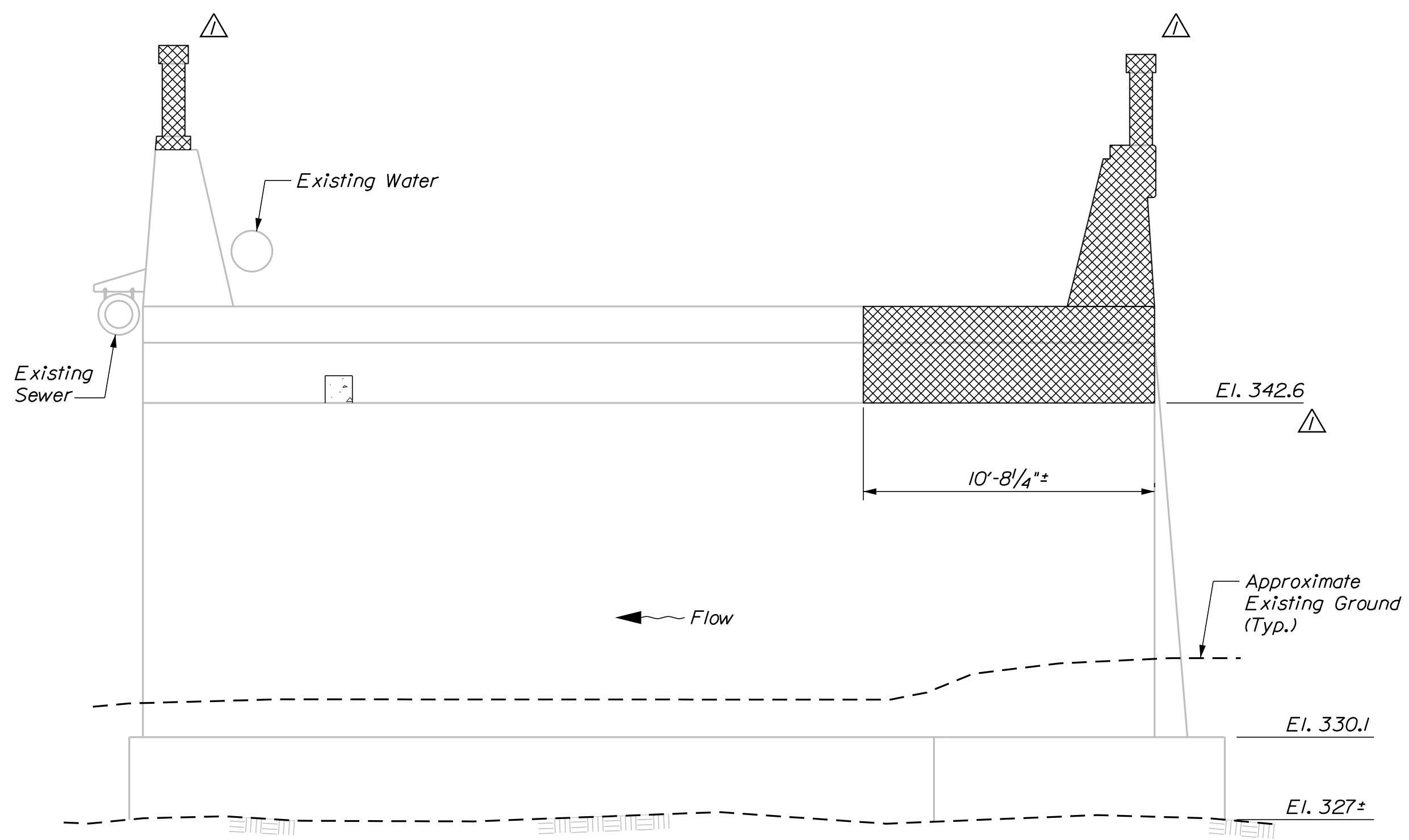
	Concrete Removal
	Concrete Repair

Date: 1/19/2018

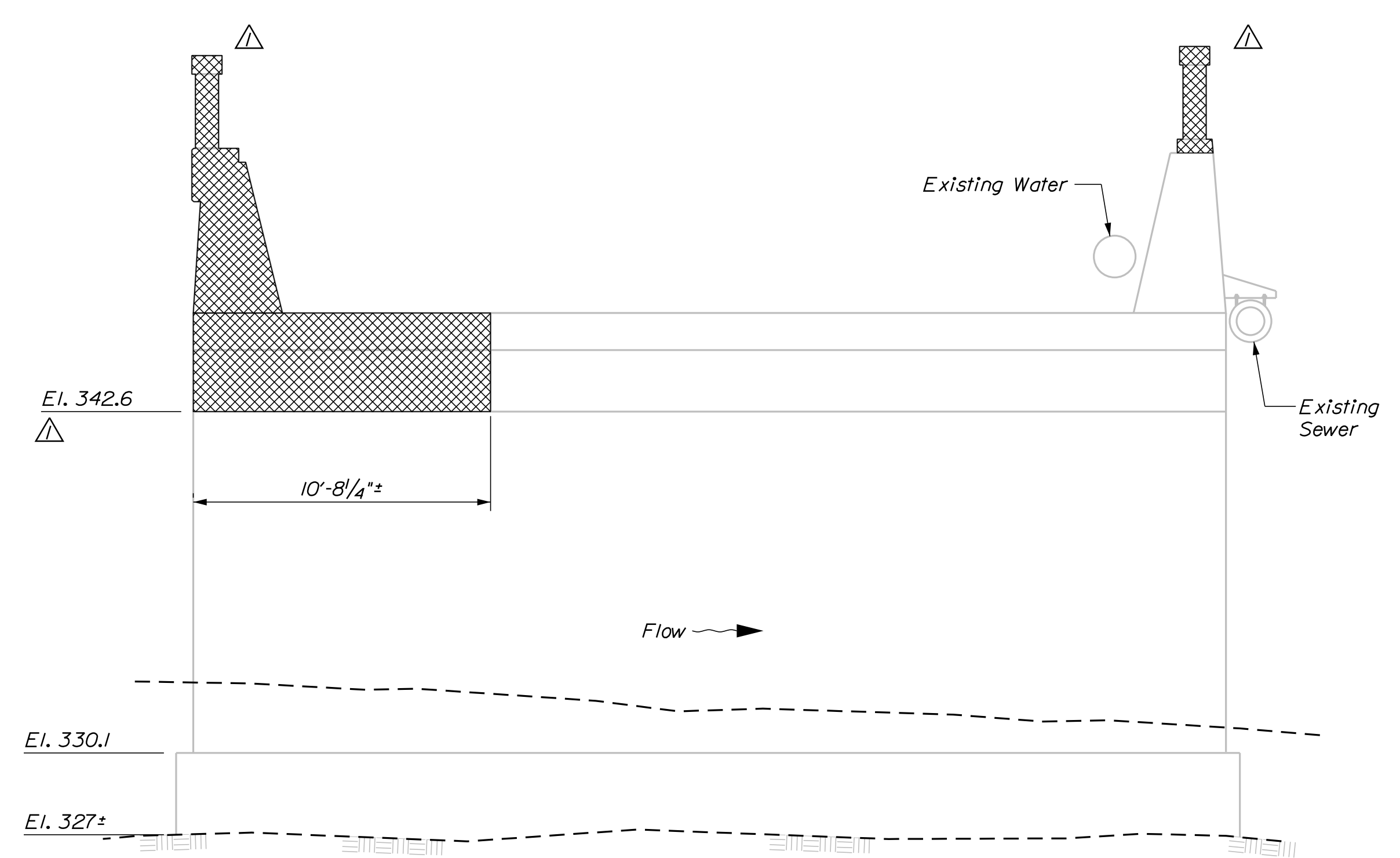
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Division: Structures

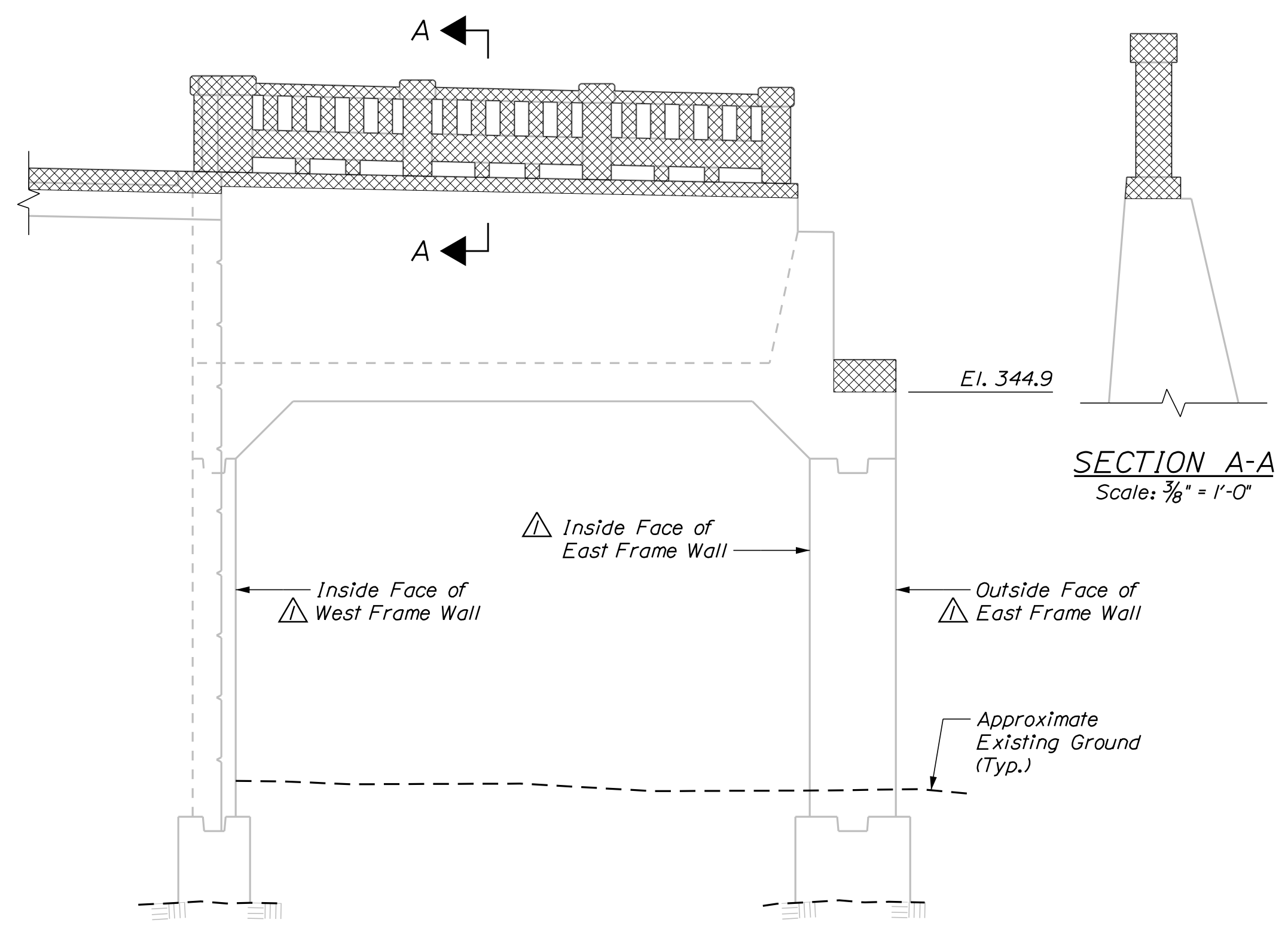
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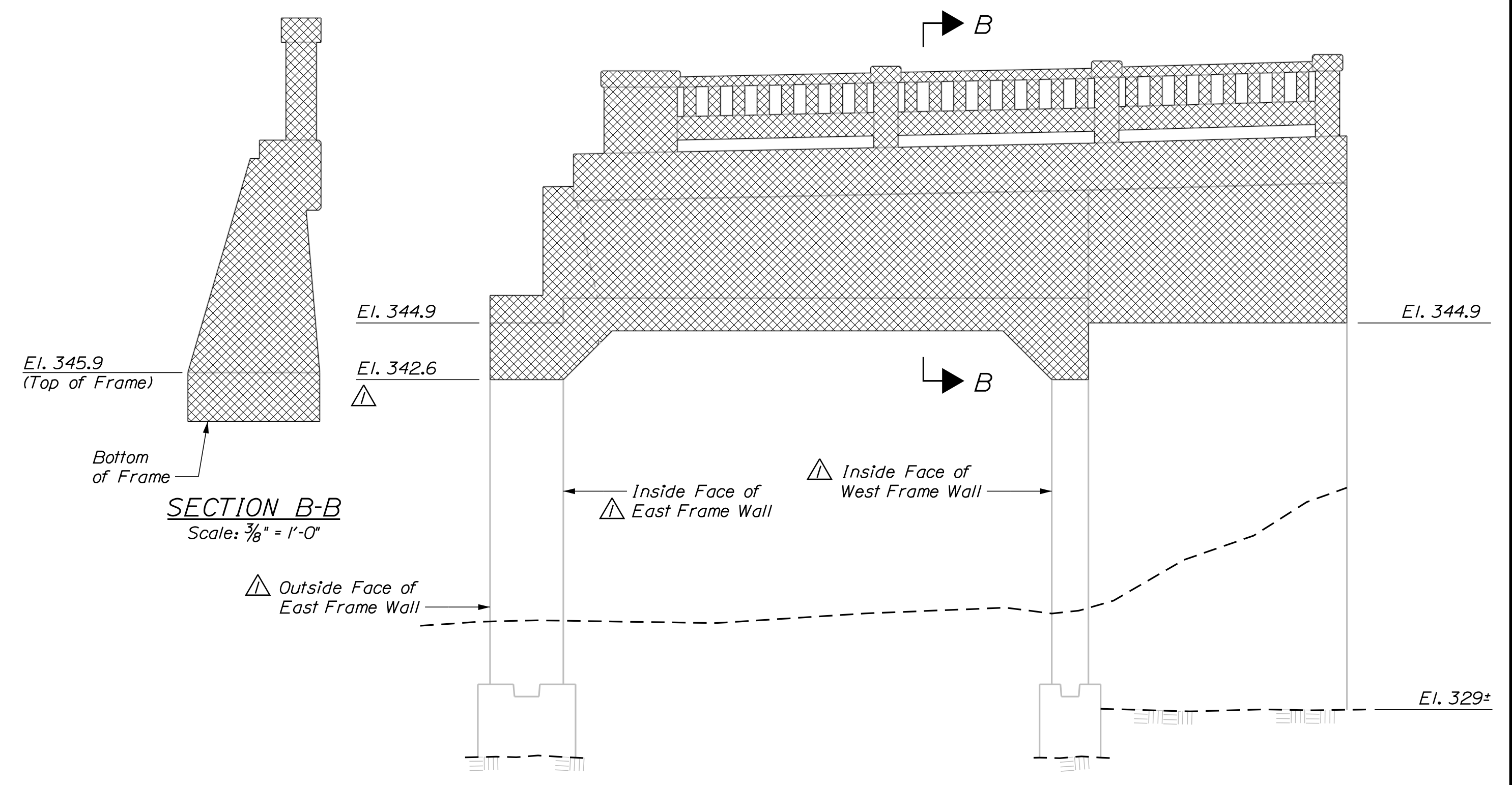
WEST FRAME WALL INSIDE ELEVATION
Scale: 1/4" = 1'-0"



EAST FRAME WALL INSIDE ELEVATION
Scale: 1/4" = 1'-0"



SECTION A-A
Scale: 3/8" = 1'-0"



SECTION B-B
Scale: 3/8" = 1'-0"

SOUTH FRAME WALL ELEVATION
Scale: 1/4" = 1'-0"

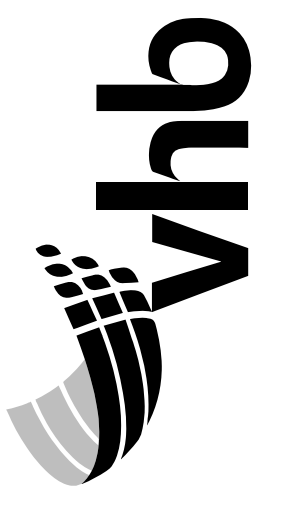
NORTH FRAME WALL ELEVATION
Scale: 1/4" = 1'-0"

NOTE
1. Removal of concrete railing is included under Item 202.10. Remove existing superstructure property of Contractor. No additional payment will be made.

LEGEND

	Concrete Removal
	Concrete Repair

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NO. STP-2261(800)
BRIDGE NO. 2979
WIN
022618.00
BRIDGE PLANS



PROJ. MANAGER	J. KITTRIDGE	BY	DATE
DESIGN-DETAILED	KCD	KDW	11/17
CHECKED-REVIEWED	JAW	GSG	11/17
DESIGN-DETAILED			
REVISIONS 1		CALCULATED NOTES AND FEATURES	1/18/18
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BILLINGS BRIDGE OVER
LITTLE ANDROSCOGGIN RIVER
OXFORD COUNTY
PARIS
**FRAME REMOVAL
AND REPAIRS**

SHEET NUMBER

29

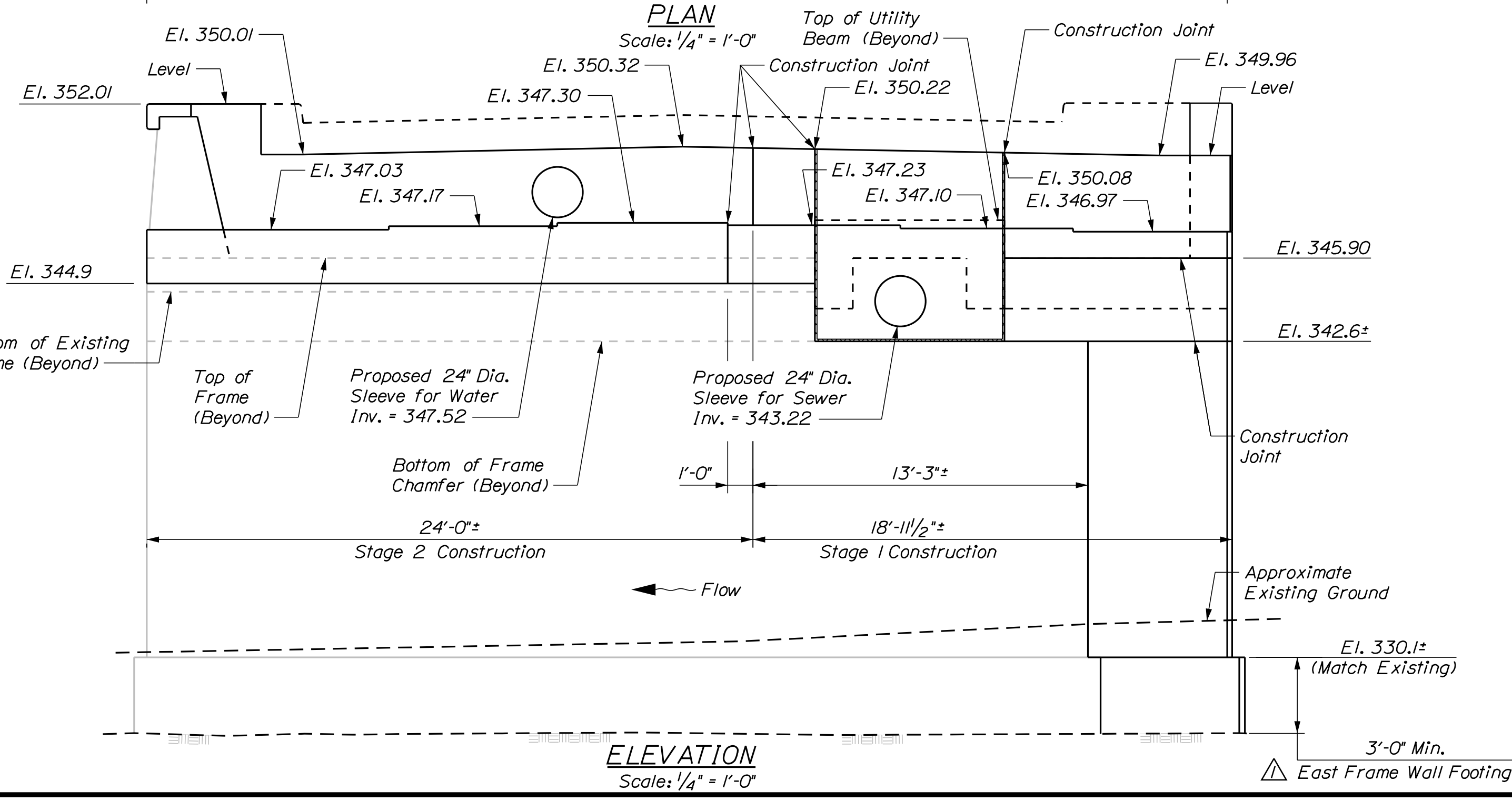
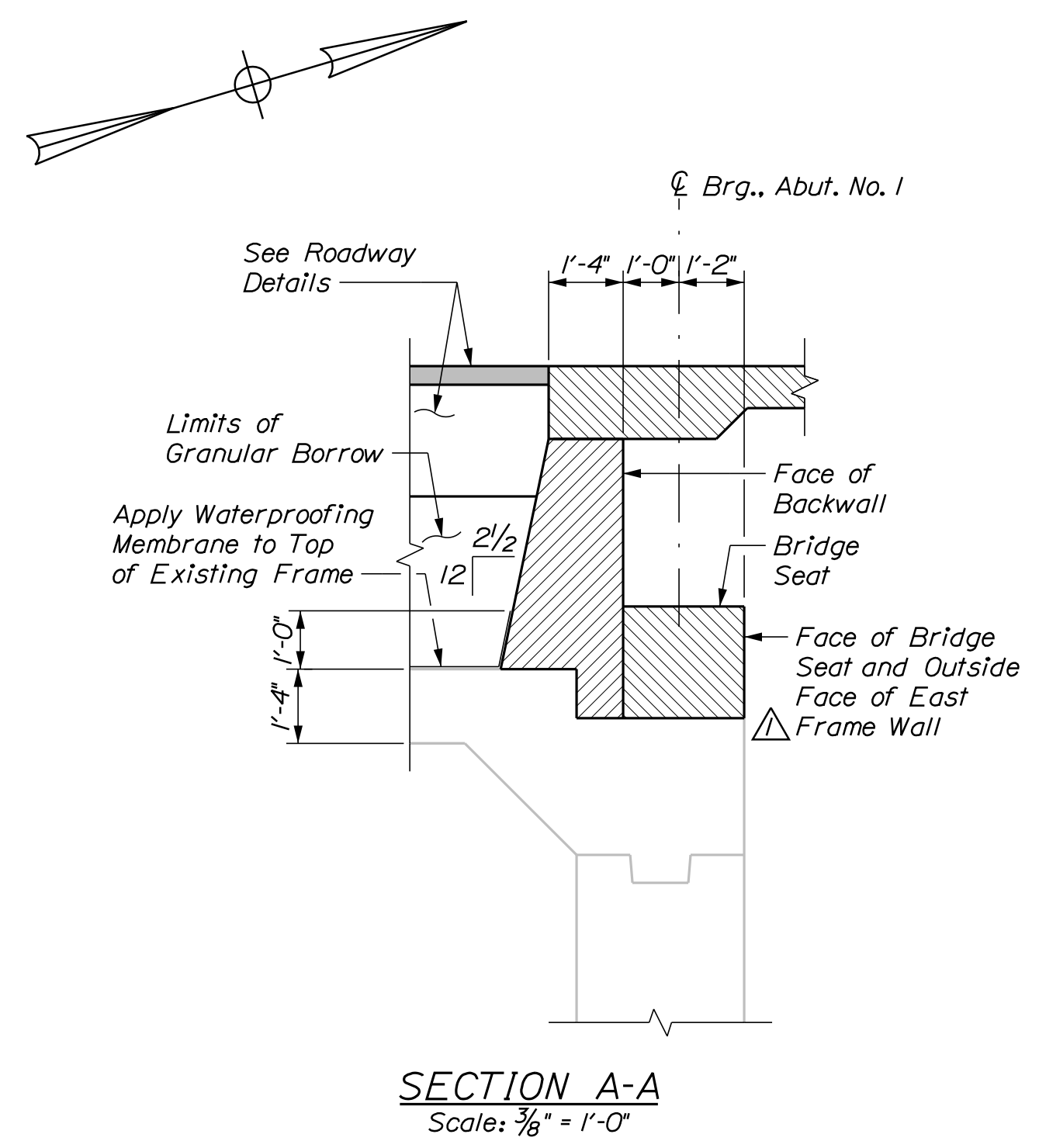
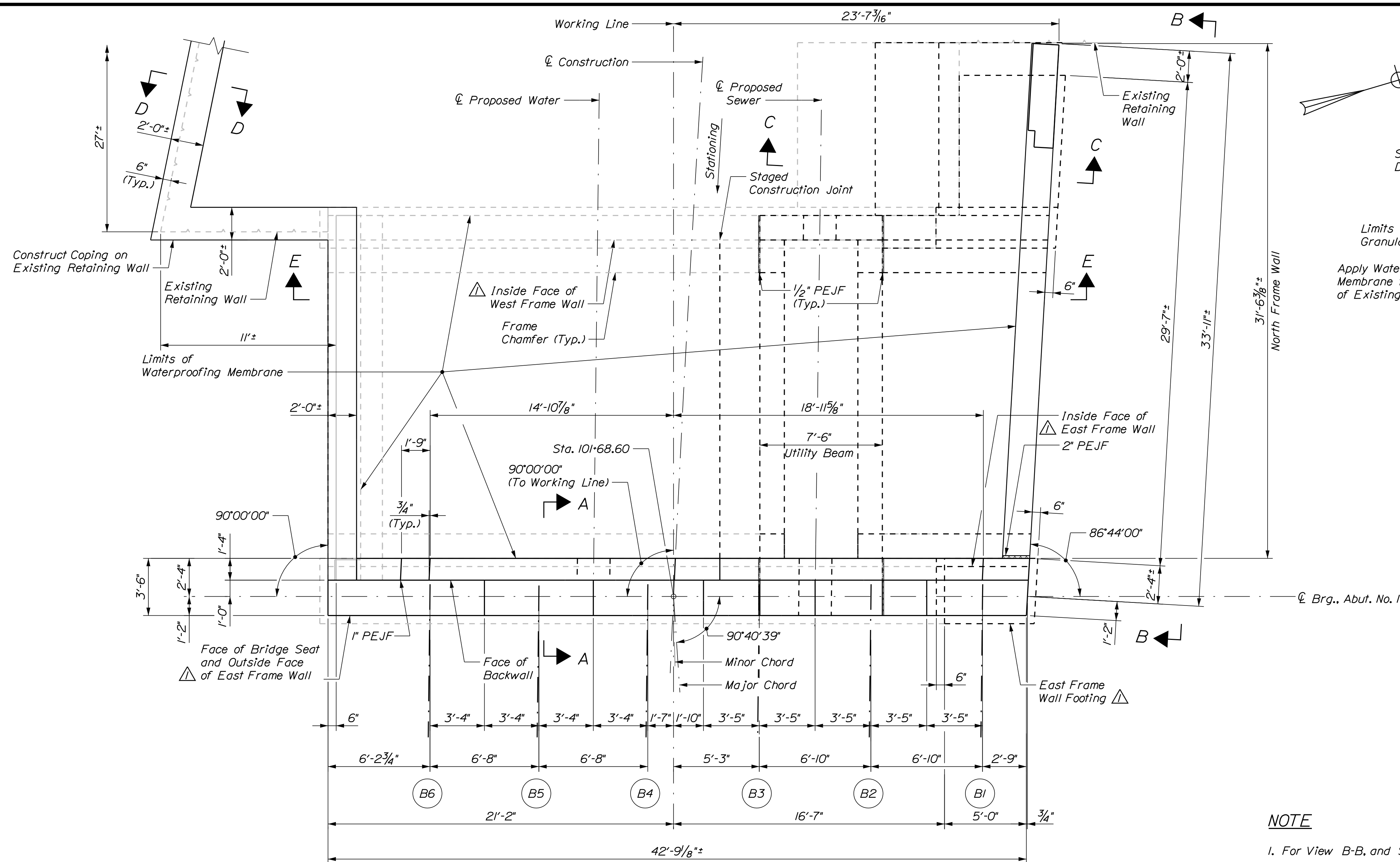
OF 57

Date: 1/18/2018

Username: kventworth

Division: Structures

Filename: ... \BRIDGE\MSTA\030_abut1_01.dgn



NOTE

- 1. For View B-B, and Sections C-C, and D-D, see Abutment No. 1 Details (2 of 6).
- 2. For Views E-E, see Abutment No. 1 Details (3 of 6).

ABUTMENT NOTES

- 1. Structural Earth Excavation, Abutments and Retaining Walls, required more than 12 inches below the bottom of the structure, will be paid for in accordance with Standard Specifications Section 206, Structural Excavation.
- 2. Reinforcing steel shall have a minimum concrete cover of 2 inches in walls and 3 inches in footings unless otherwise noted.
- 3. Provide 3 additional stirrups in the curbs at each Bridge Rail Post location.
- 4. The Contractor shall install Transition Barrier vertical closed stirrups, as shown in Standard Details Section 526, prior to the placement of the curb concrete.
- 5. Cover joints where waterstops are not required in accordance with Standard Details Section 502.
- 6. Abutments, wingwalls, and their footings shall be backfilled with Granular Borrow. Pay limits will be the structural excavation limits in cut areas.
- 7. Remove bedrock as required to construct footing thickness to 3 foot minimum at the frame and 2 foot minimum at the wall. Bedrock elevations assumed based on existing plans. If bedrock is lower, fill void with concrete fill up to El. 327 at the frame and El. 329 at the wall, then construct footing above. Contractor to verify all existing elevations prior to construction.

LEGEND

- Proposed New Concrete
- Proposed Grout

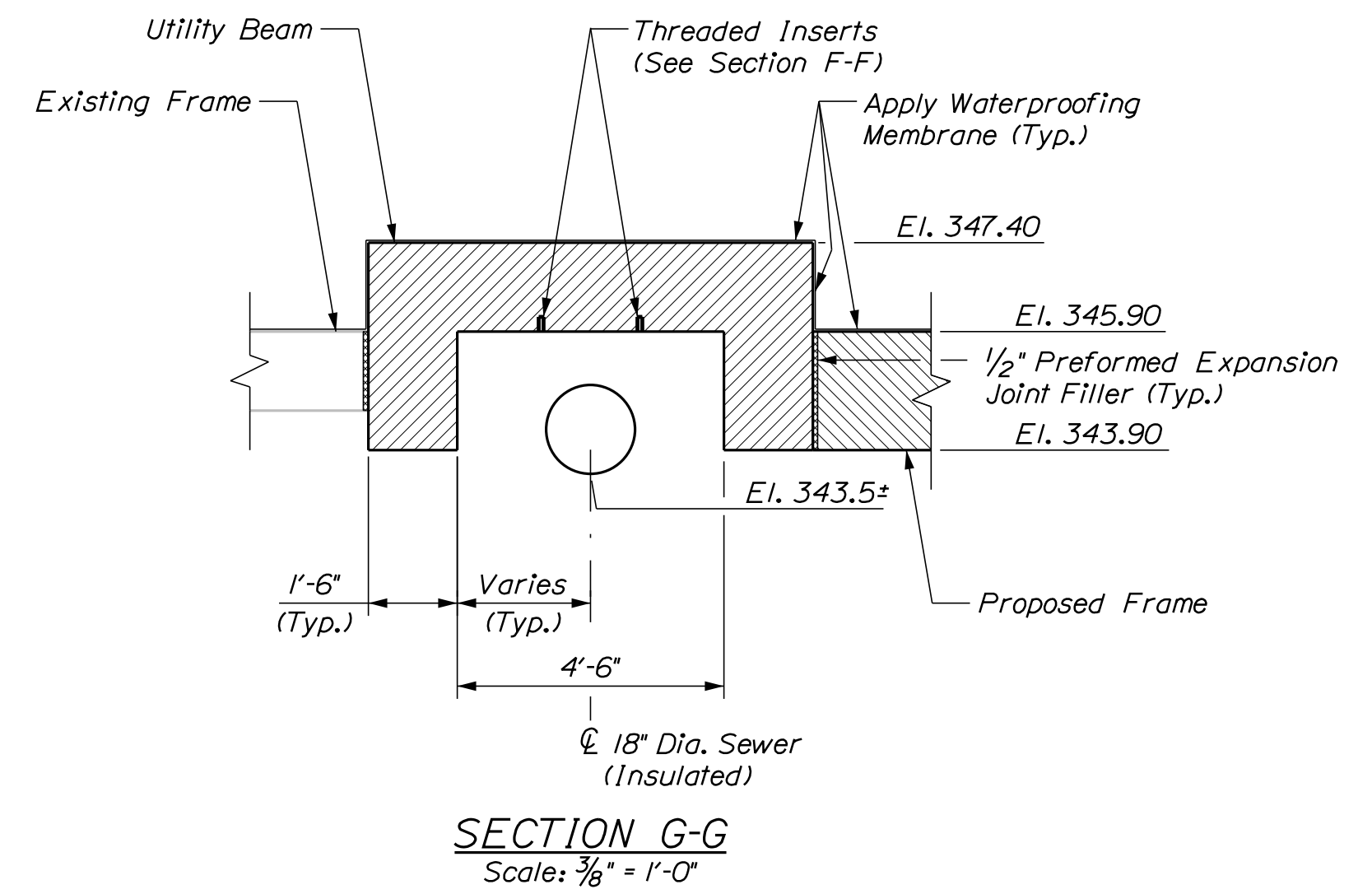
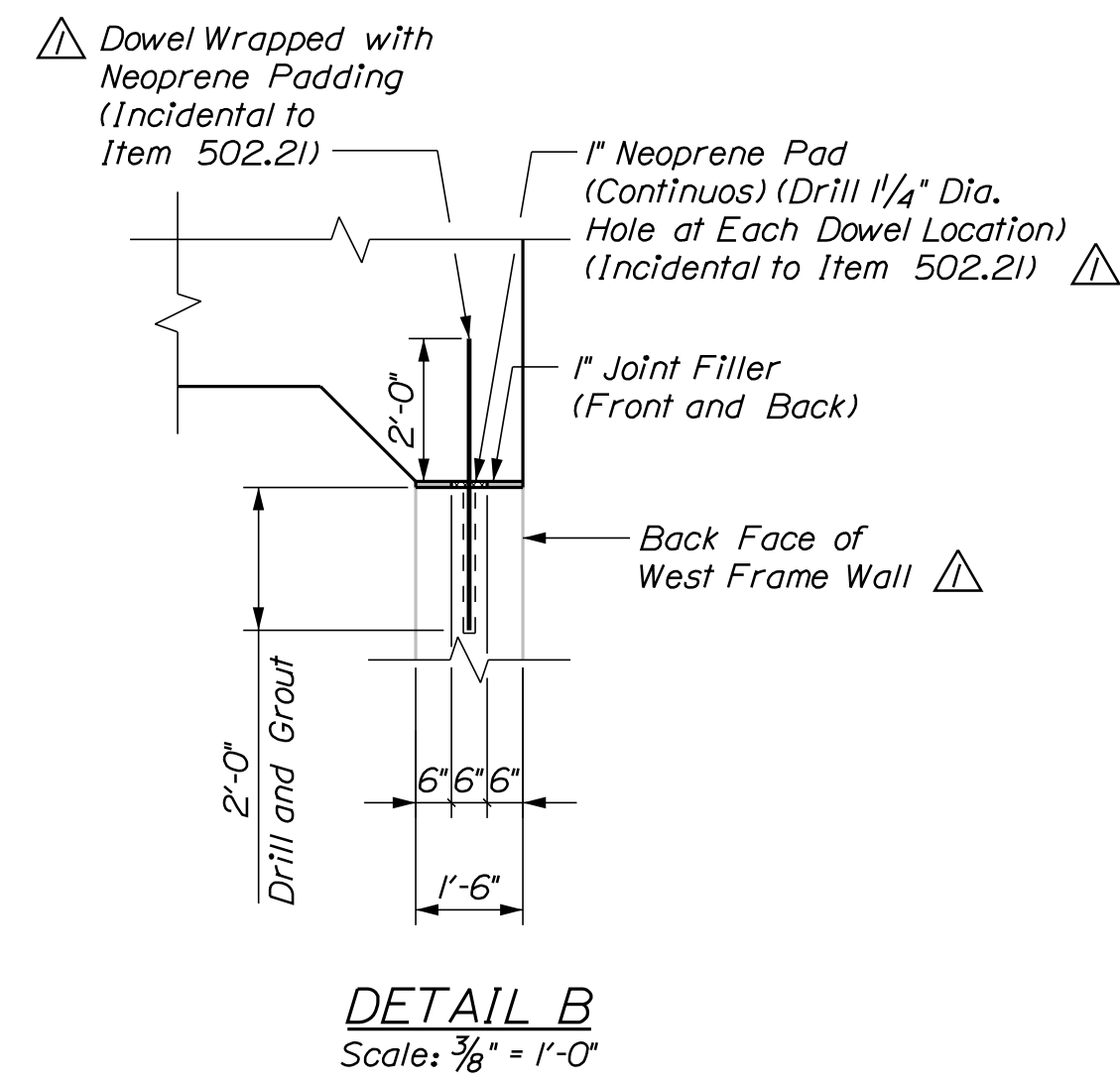
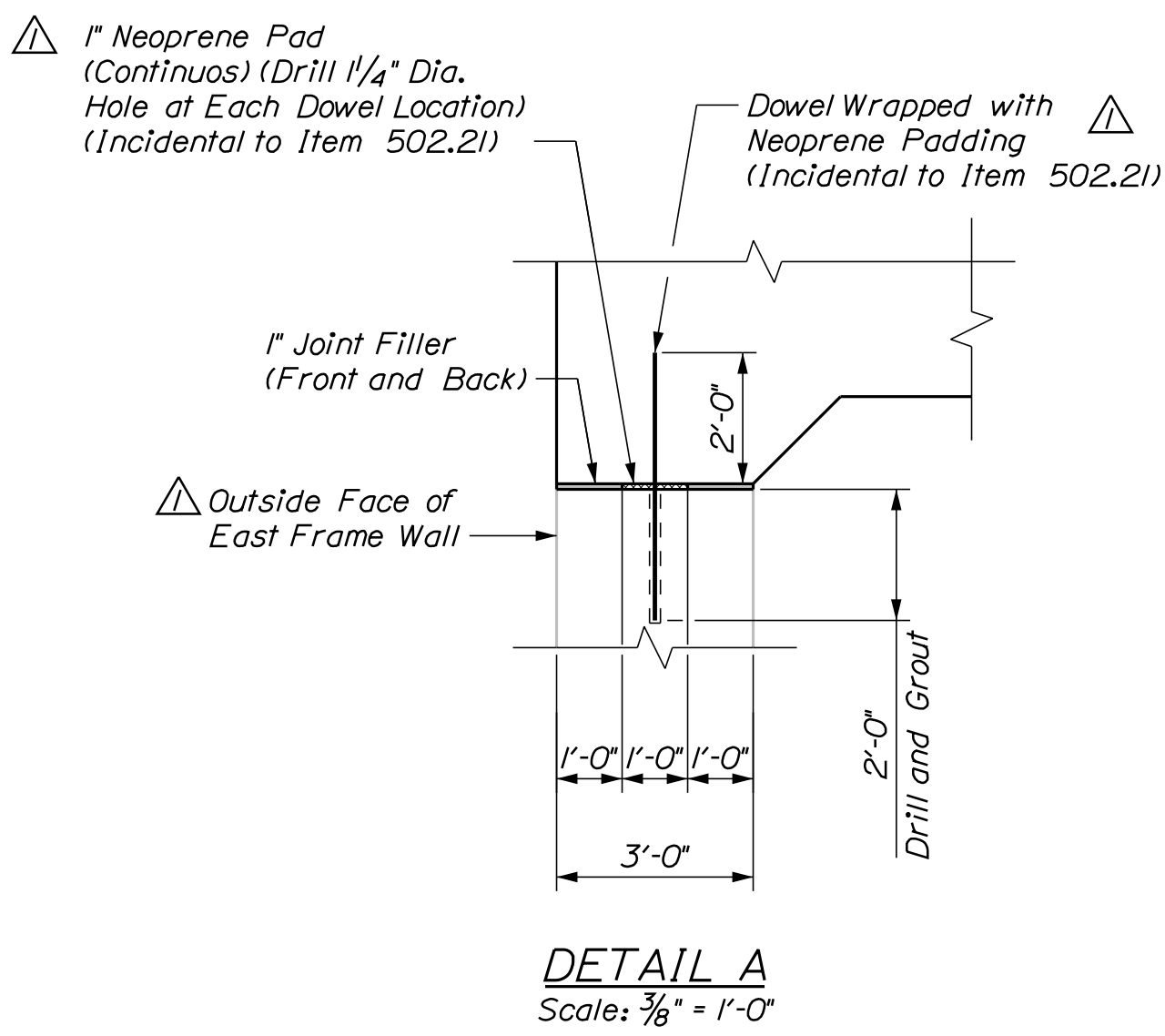
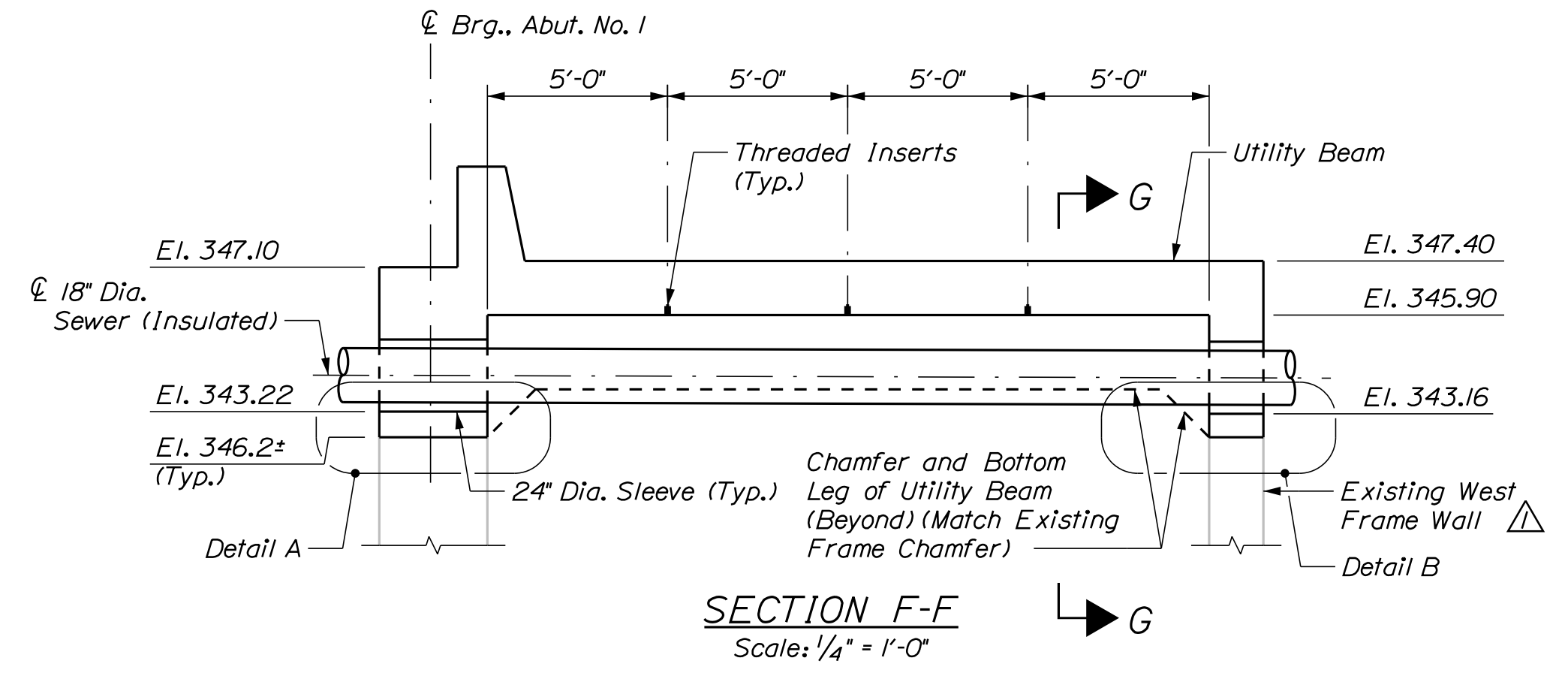
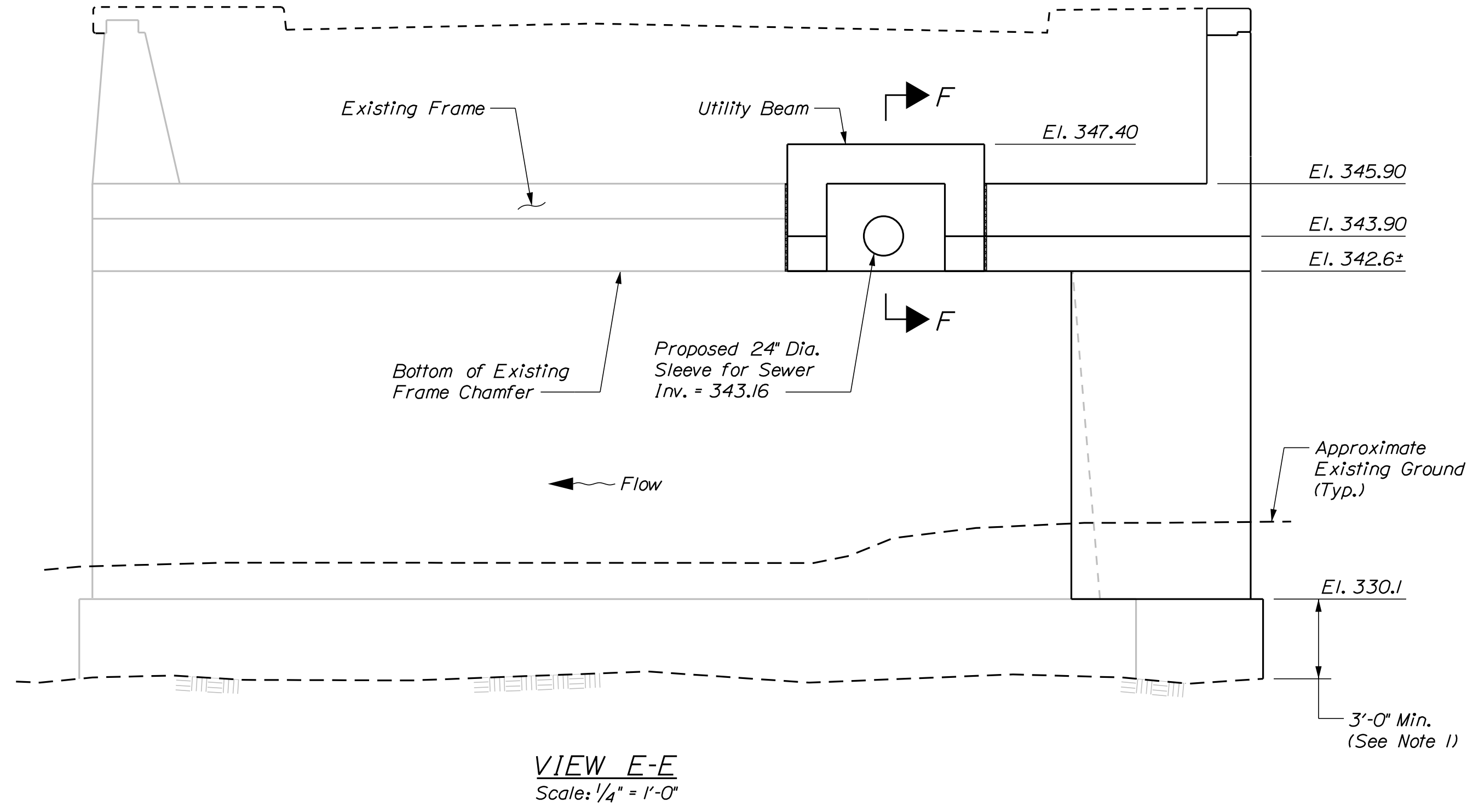
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		PROJECT NO. STP-2261(800)		BRIDGE NO. 2979	
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BILLINGS BRIDGE OVER LITTLE ANDROSCOGGIN RIVER		OXFORD COUNTY		PARIS	
ABUTMENT NO. 1		DETAILS (1 OF 6)		SHEET NUMBER	
30		OF 57			

Date: 1/19/2018

Username: kwentworth

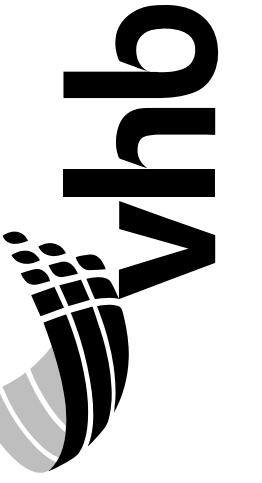
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NOTE

1. See Note 7 on Abutment No. 1 Details (1 of 6) Sheet.



PROJ. MGR	J. KIT REDGE	BY	DATE
DESIGN DETAILED	KCD	KW	11/17
CHECKED-REVIEWED	JAW	GSG	11/17
DESIGN DETAILED			
REVISIONS 1	CALLOUS		1/18/18
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SHEET NUMBER

32

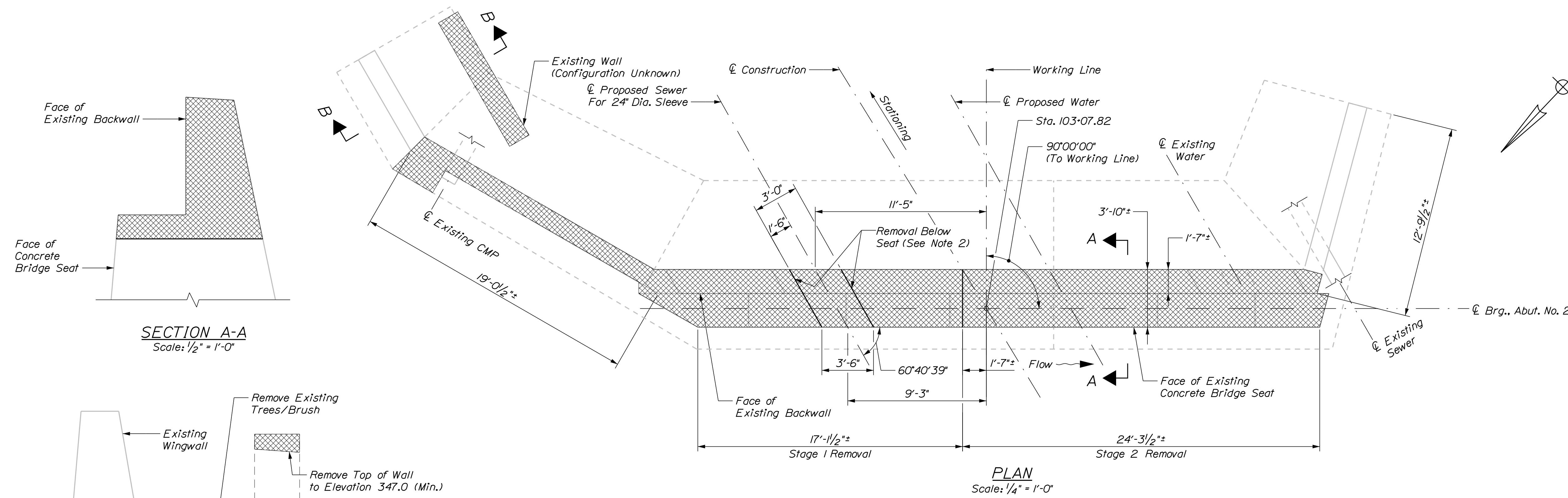
OF 57

Date: 1/18/2018

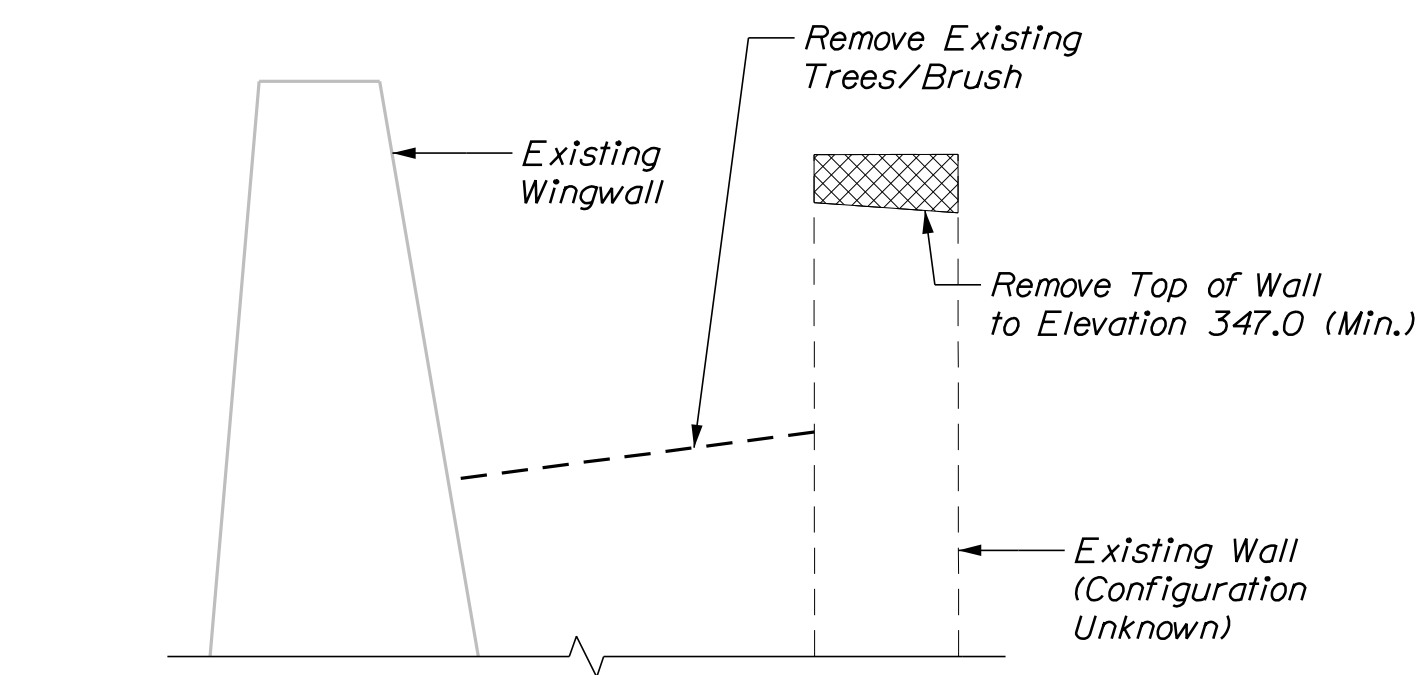
Username: kventworth

Division: Structures

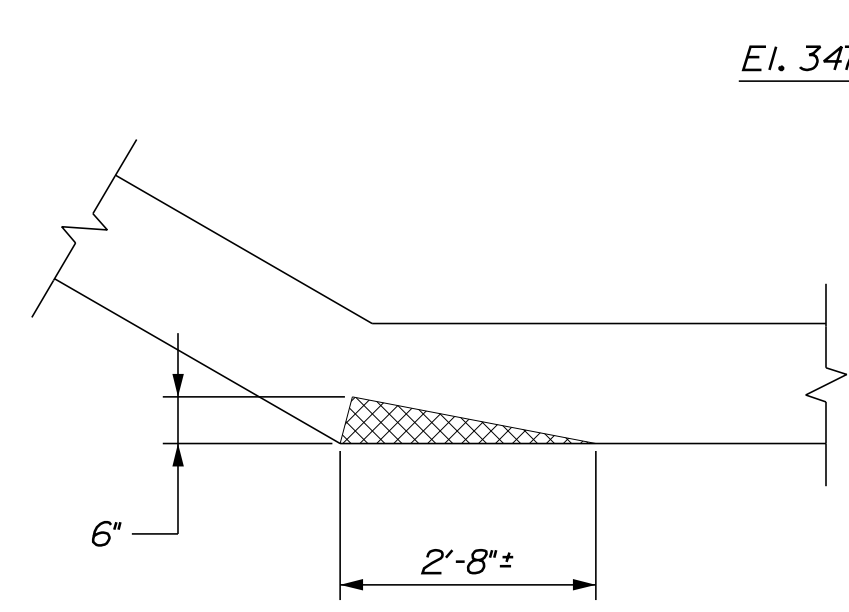
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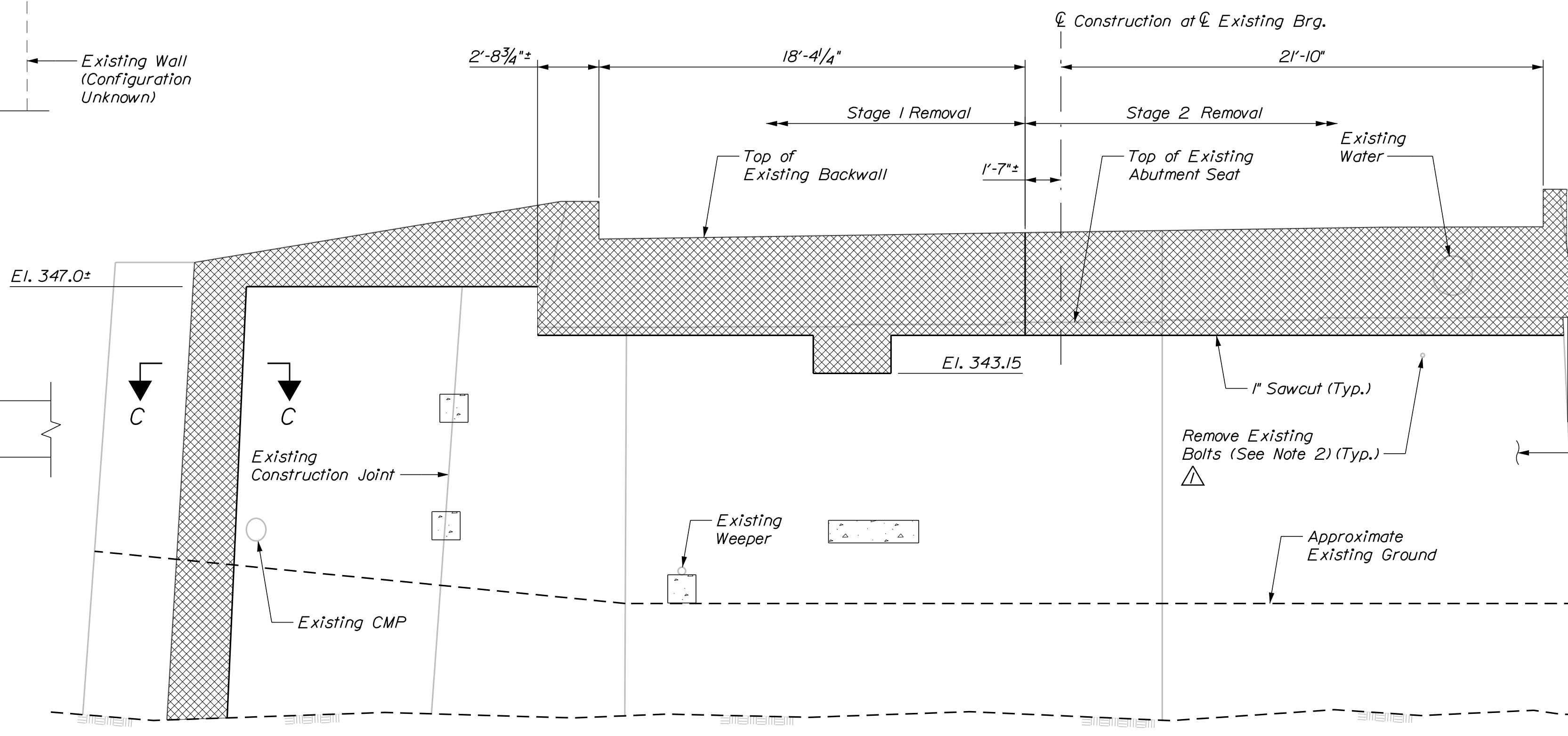
SECTION A-A
Scale: 1/2" = 1'-0"



SECTION B-B
Scale: 1/2" = 1'-0"



SECTION C-C
Scale: 1/2" = 1'-0"



ELEVATION
Scale: 1/4" = 1'-0"

NOTE

- Existing elevations are approximate.
- Remove portion of existing following angle of proposed sewer.

ABUTMENT NOTE

- Maximum calculated footing pressure is 18.2 ksf.
- Existing bolt removal shall be considered incidental to the contract, no separate payment will be made.

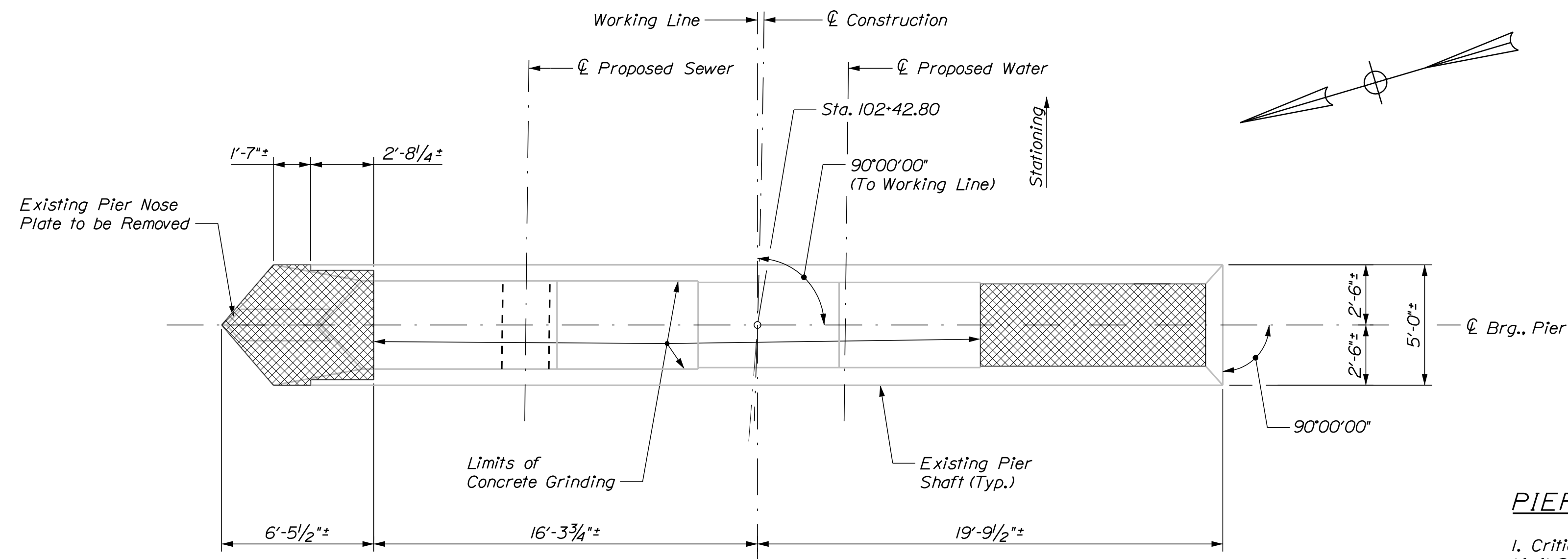
LEGEND

	Concrete Removal
	Concrete Repair



PROJ. MANAGER	J. KITTRIDGE	BY	DATE
DESIGN-DETAILED	KCD	KCW	11/17
CHECKED-REVIEWED	JAW	GSG	11/17
DESIGN-DETAILED			
REVISIONS 1		CALLOUTS AND NOTES	1/18/18
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
		FIELD CHANGES	

BILLINGS BRIDGE OVER
LITTLE ANDROSCOGGIN RIVER
OXFORD COUNTY
PARIS
ABUTMENT NO. 2
REMOVAL AND REPAIRS



Deleted Stage 1 and Stage 2 Reference

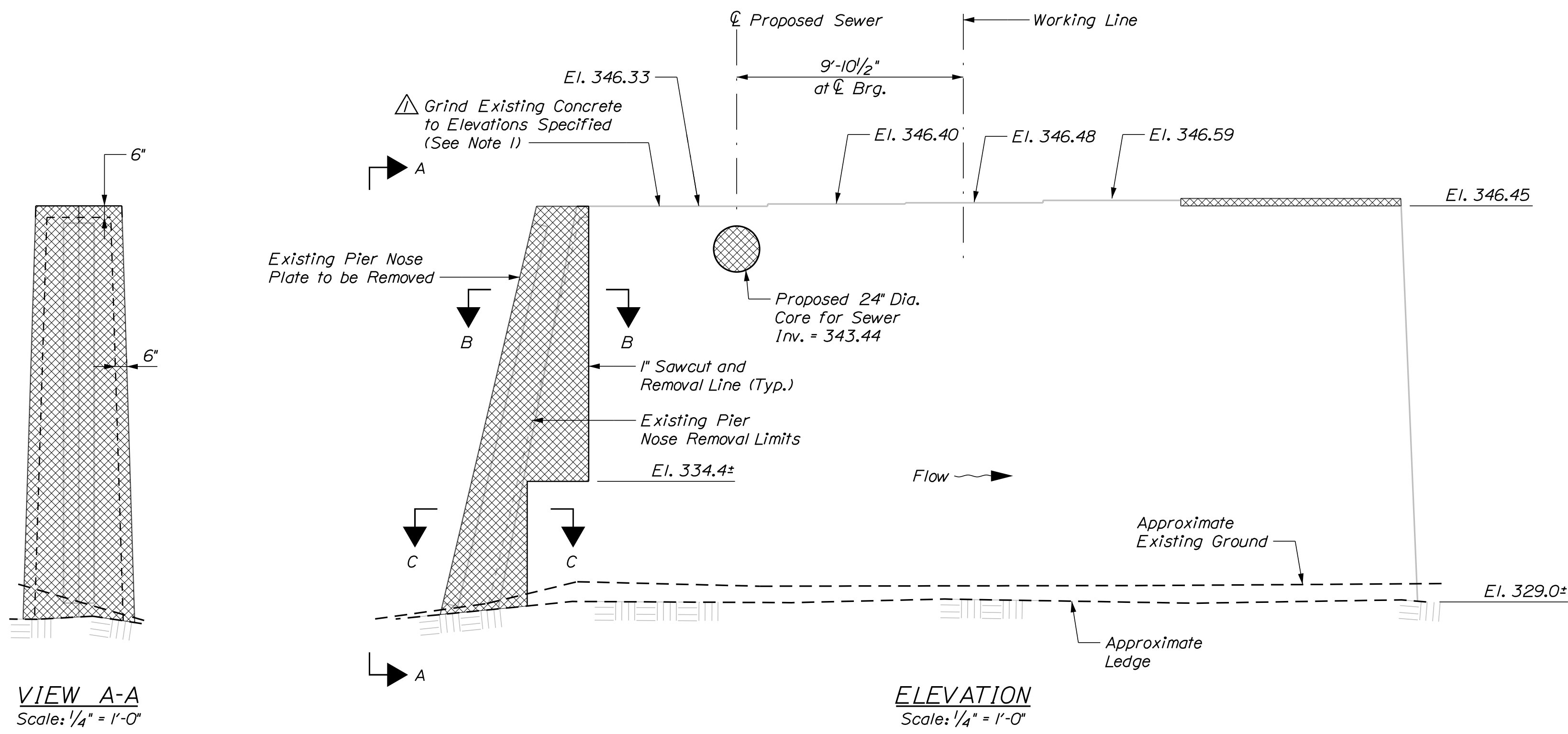
PLAN
Scale: 1/4" = 1'-0"

PIER DESIGN CRITERIA

1. Critical AASHTO Load Combination - Strength I (Maine Modified) Limit State.
2. Buoyancy: Water level assumed at EL. 333.9.
3. Stream flow: Velocity of 4.8 fps skewed at 30° to longitudinal centerline of pier.
4. Wind: 115 mph or 0.031 ksf.
5. Ice: Thickness 3 feet, pressure 29 ksf at EL. 333.9, 30% of nose force applied transverse to pier.

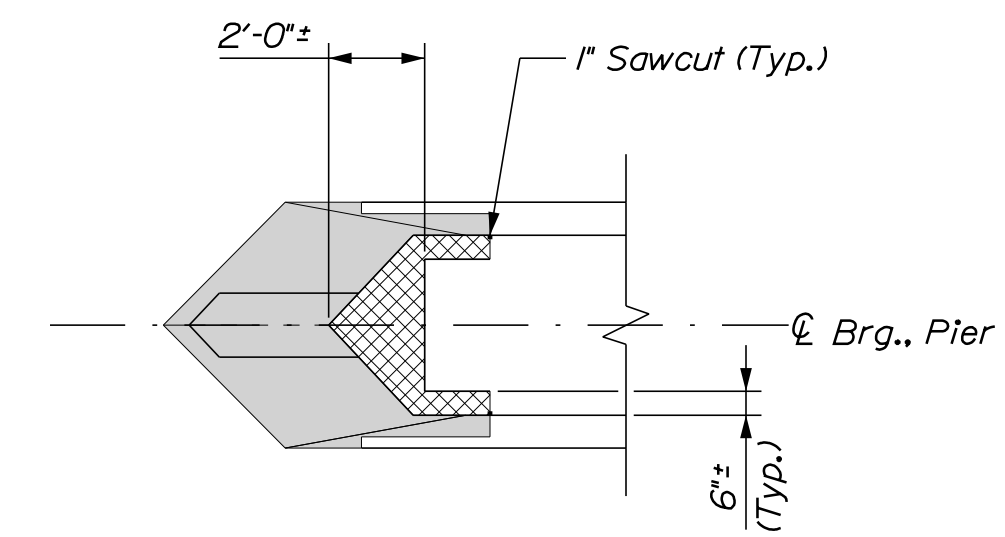
NOTE

1. Concrete grinding shall be incidental to Item 202.12, Remove Existing Structural Concrete. No additional payment will be made.

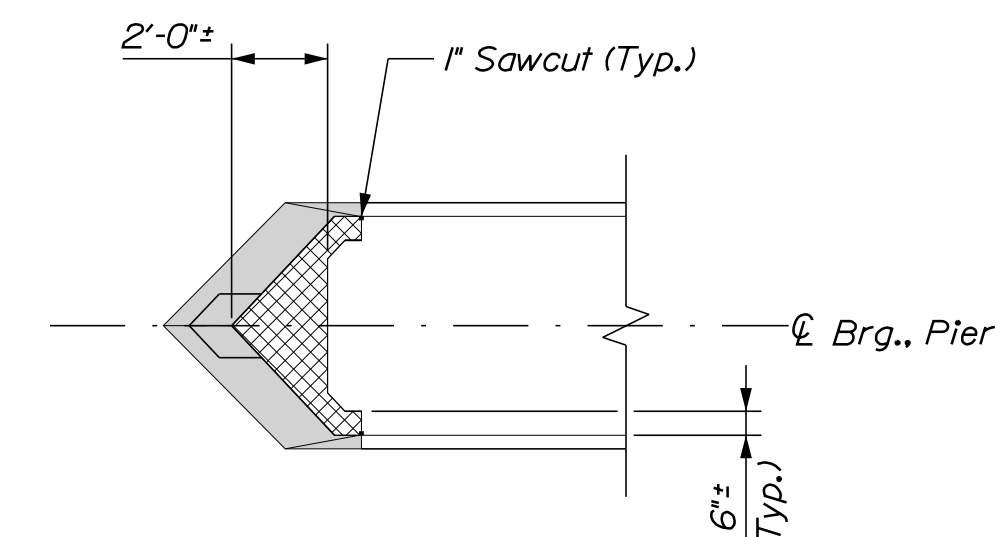


VIEW A-A
Scale: 1/4" = 1'-0"

ELEVATION
Scale: 1/4" = 1'-0"



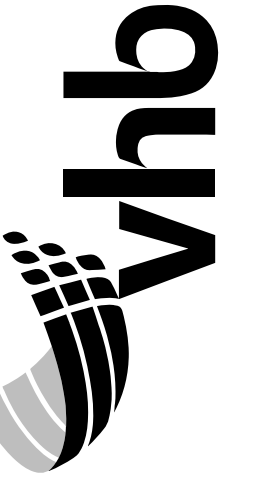
VIEW B-B
Scale: 1/4" = 1'-0"



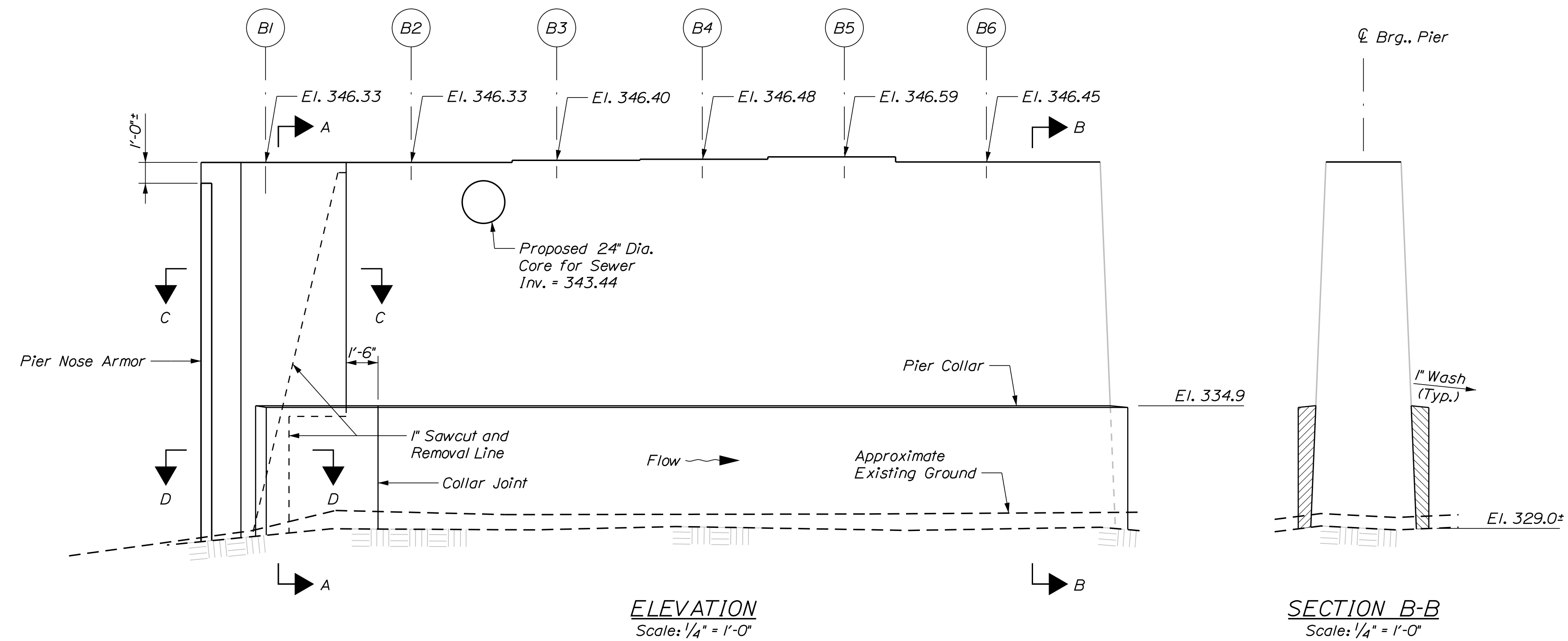
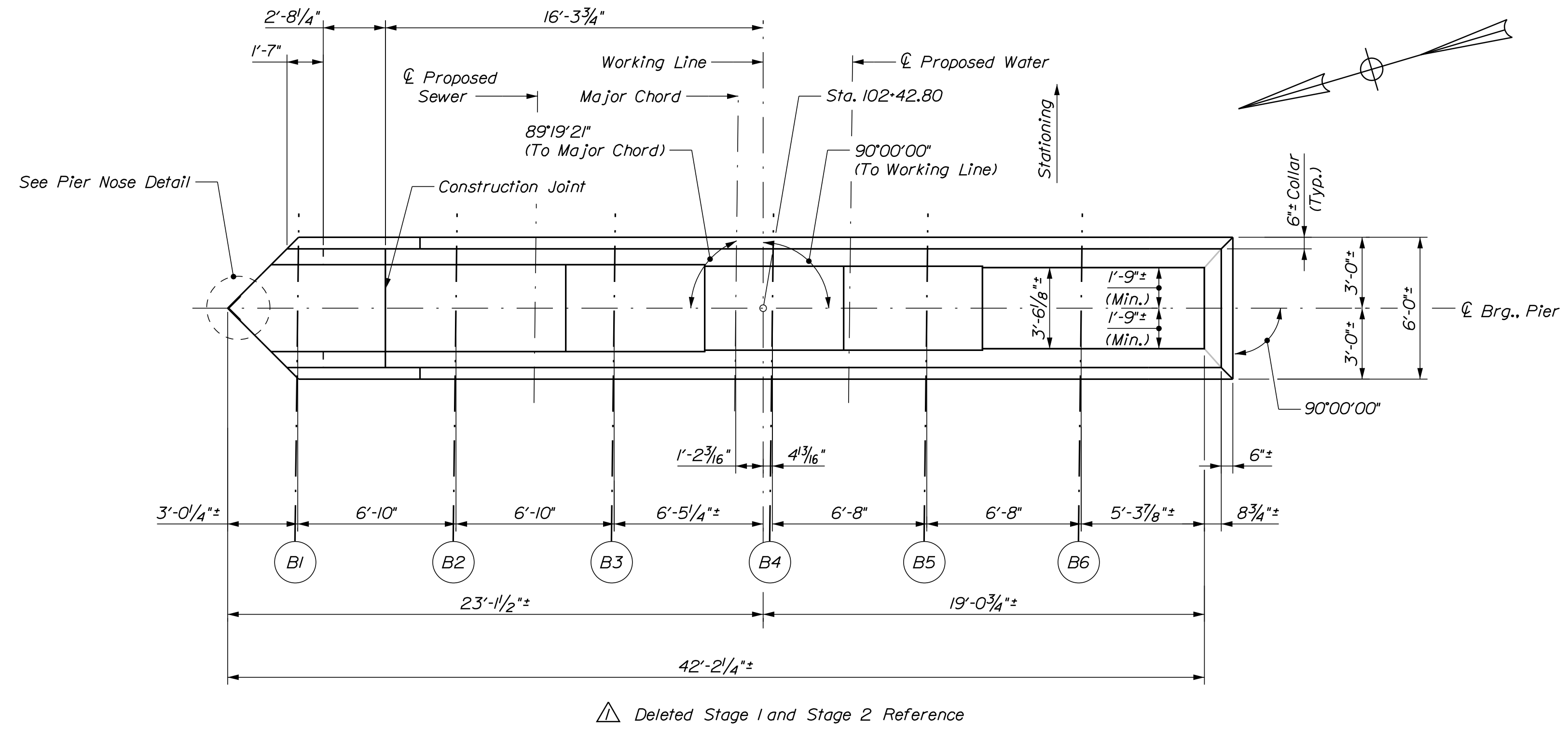
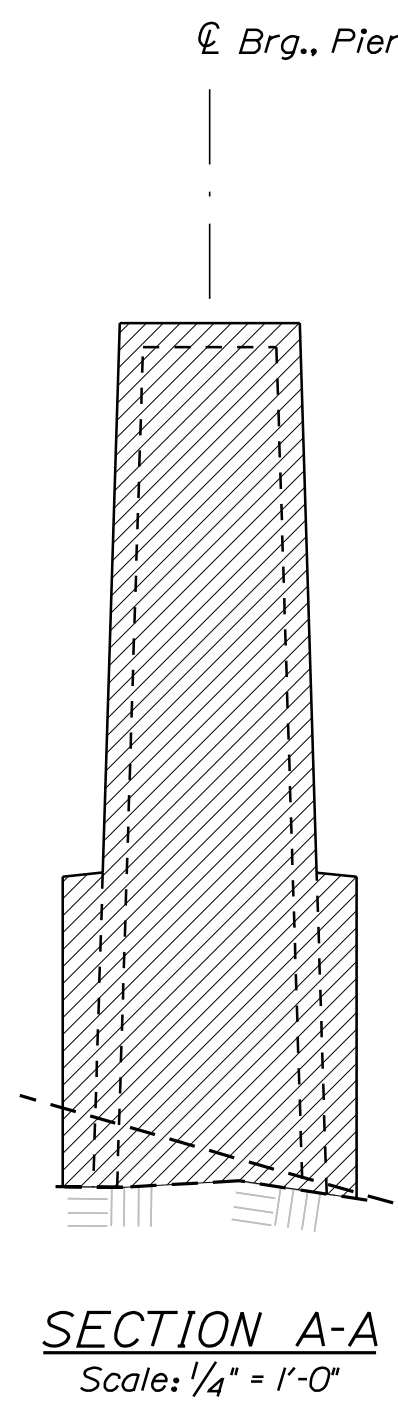
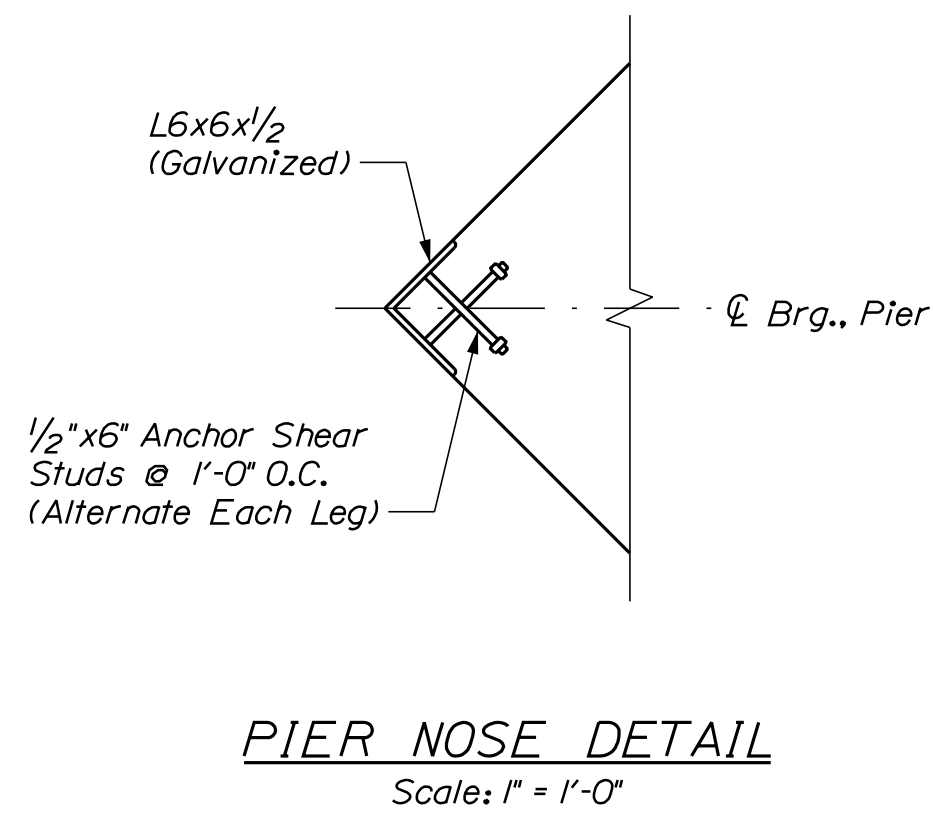
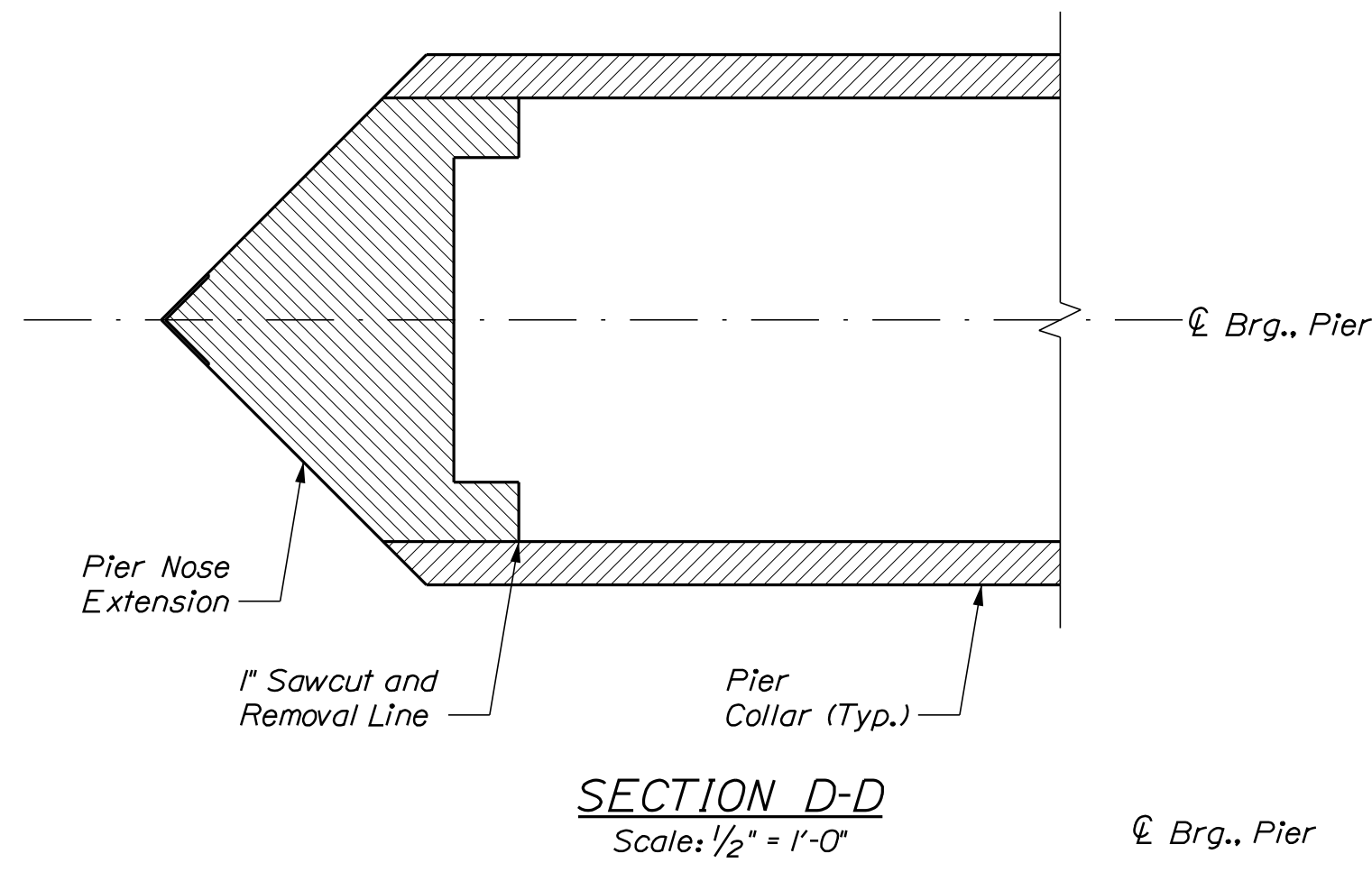
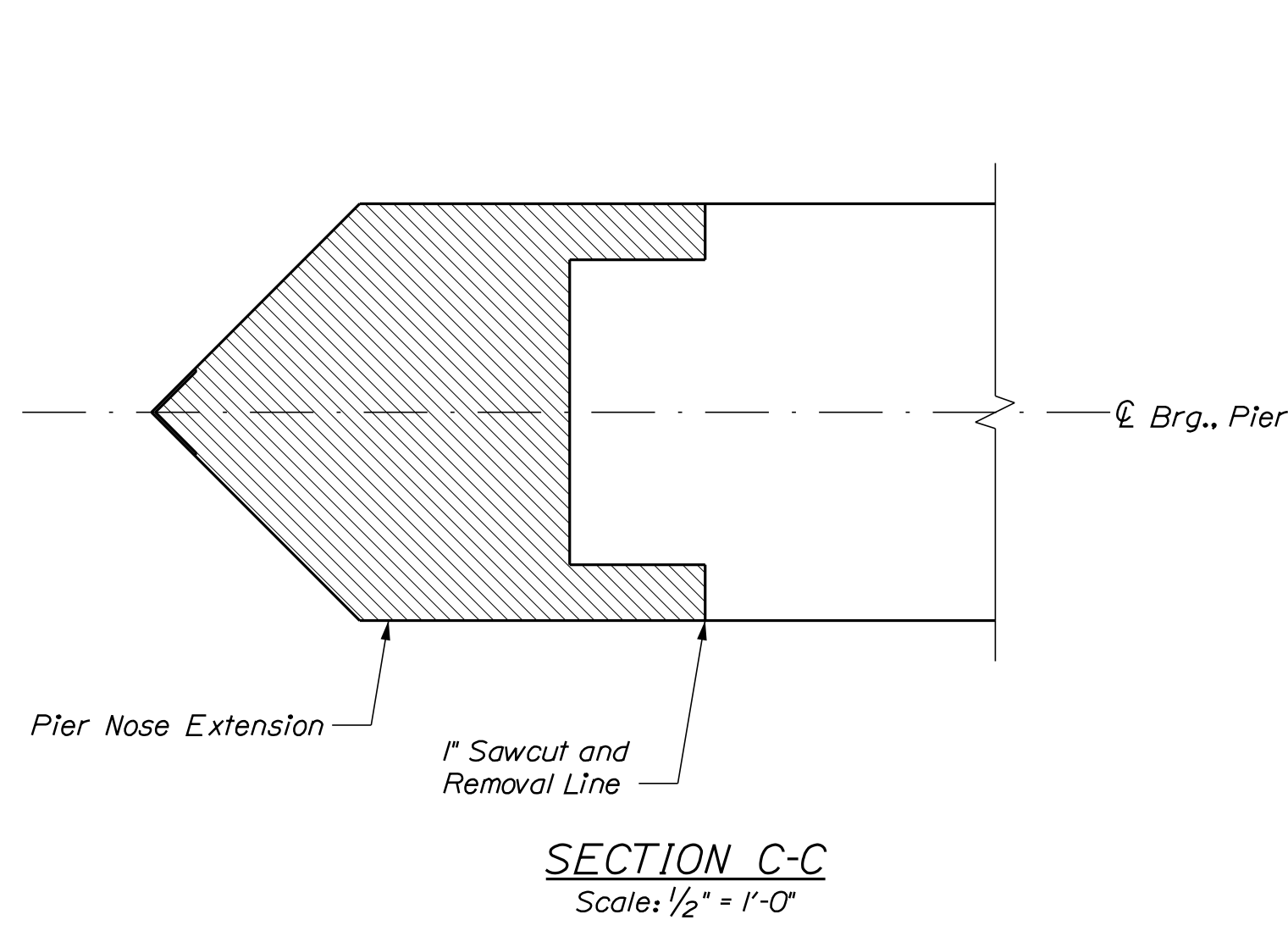
VIEW C-C
Scale: 1/4" = 1'-0"

LEGEND

- Concrete Removal
- Concrete Removal Below Section

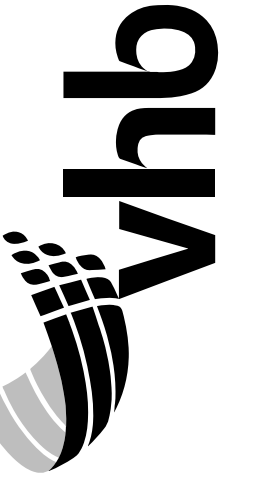


PROJ. MGR	J. KITTRIDGE	BY	DATE
DESIGN-DETAILED	KCD	KDW	11/17
CHECKED-REVIEWED	JAW	GSG	11/17
DESIGN-DETAILED			
REVISIONS 1		CALLOUTS AND NOTES	1/18/18
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
		FIELD CHANGES	



PIER NOTES

1. The maximum factored applied footing pressure is 16.9 ksf.
2. Reinforcing steel shall have a minimum concrete cover of 3 inches unless otherwise noted.
3. Collar may be constructed at any stage.



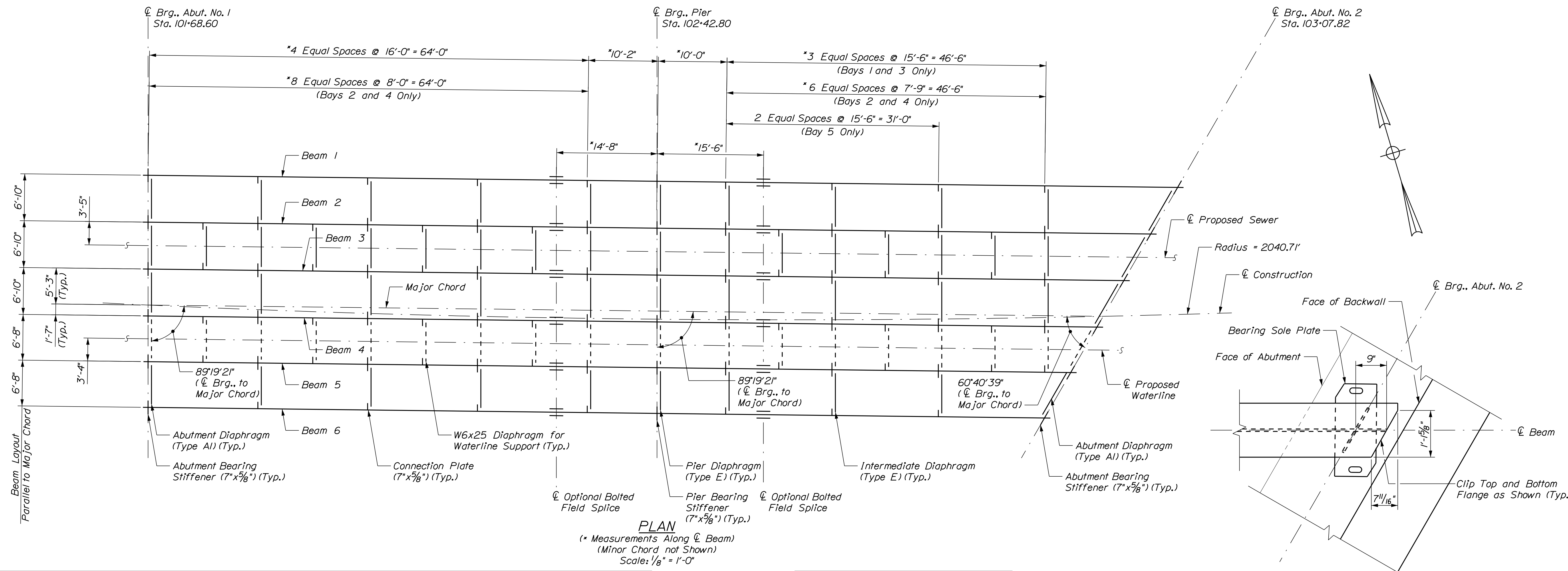
PROJ. MGR.	J. KITREDE	BY	DATE
DESIGN DETAILED	KCD	KW	11/17
CHECKED-REVIEWED	JAW	GSG	11/17
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

Date: 1/18/2018

Username: kwentworth

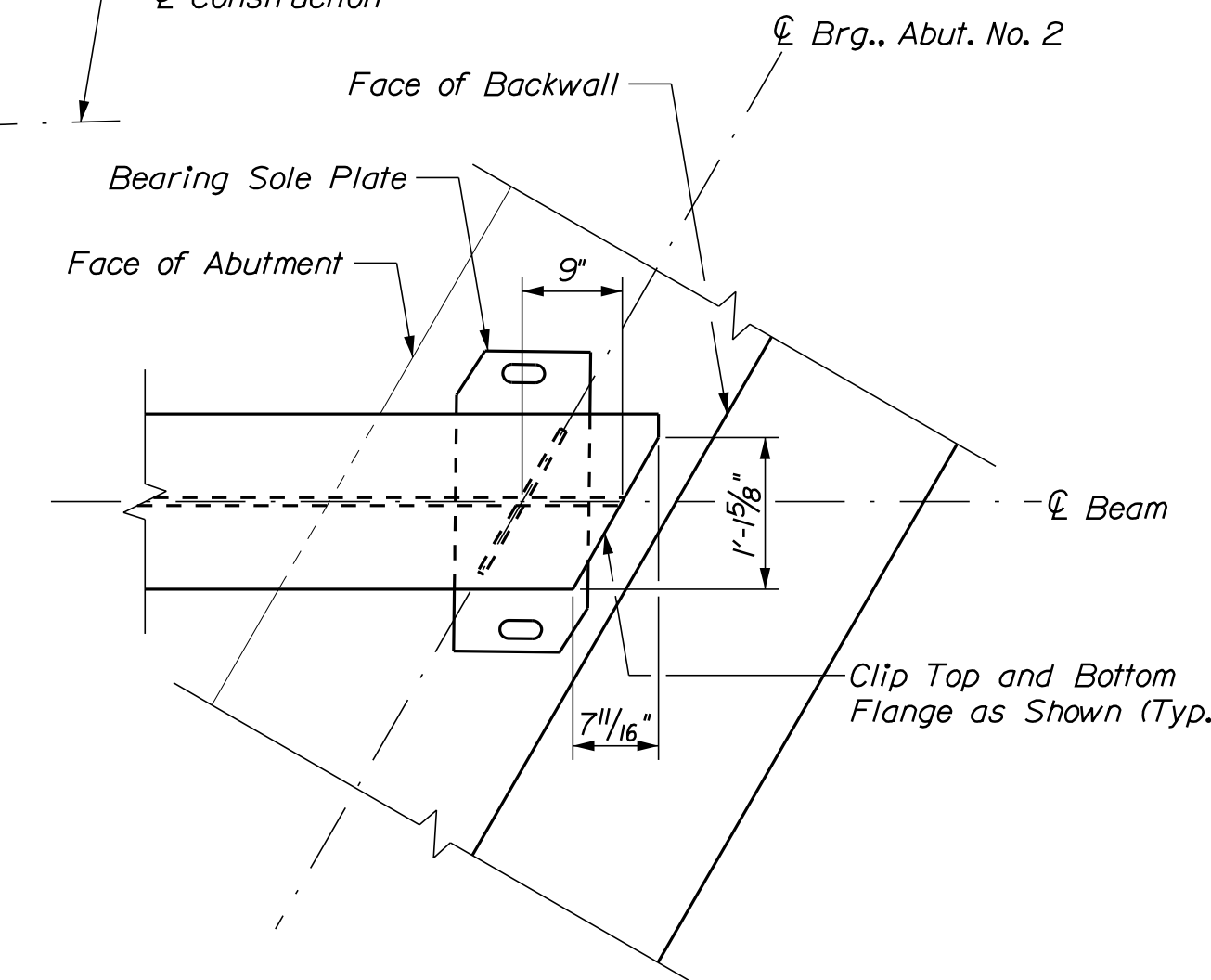
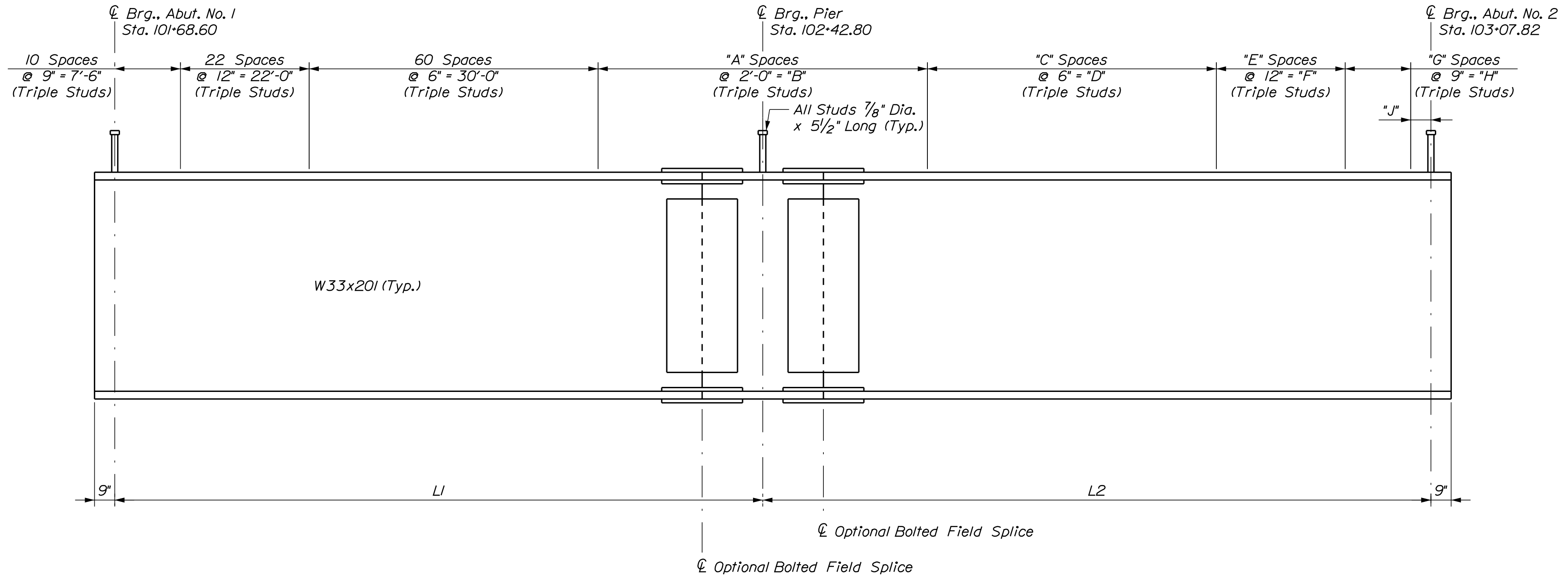
Division: Structures

Filename: ... \MSTA\044_supframe_01.dgn



Beam No.	A	B	C	D	E	F	G	H	J	Total
Beam 1	15	30'	76	38'	15	15'	10	7.5'	1/2"	630
Beam 2	14	28'	75	37.5'	14	14'	9	6.75'	4 1/2"	618
Beam 3	14	28'	69	34.5'	14	14'	8	6'	2 3/8"	597
Beam 4	13	26'	68	34'	13	13'	7	5.25'	6 3/8"	585
Beam 5	13	26'	62	31'	12	12'	7	5.25'	8 1/2"	564
Beam 6	13	26'	57	28.5'	11	11'	7	5.25'	4 1/2"	546

Beam No.	L1	L2
Beam 1	74'-2"	75'-10 1/16"
Beam 2	74'-2"	71'-11 1/8"
Beam 3	74'-2"	68'-0 3/8"
Beam 4	74'-2"	64'-1 1/16"
Beam 5	74'-2"	60'-3 1/2"
Beam 6	74'-2"	56'-5 1/2"



STRUCTURAL STEEL NOTES

- Camber ordinates, as shown, are computed to compensate for all dead load deflections and for the curvature of the finished grade profile.
- Bearing stiffeners shall be plumb after erection and dead loading of the structure.
- Diaphragm connection plates may be either plumb or normal to the top flange.
- The Contractor may substitute welded plate girders in place of the rolled beams shown on the plans, as approved by the Resident. The fabricator shall determine the plate thicknesses based upon the depth and moment of inertia of the rolled section. Refer to Standard Notes for Structural Steel in MaineDOT Bridge Design Guide for additional requirements.
- Structural steel beams shall be metalized or galvanized and seal coated (clear), except the tops of the beams. Painted top coat is not required.
- At the Contractor's option, the Diaphragms and Cross Frames may be Hot-Dipped Galvanized in accordance with Standard Specifications Section 506, Shop Applied Protective Coating, as approved by the Resident. Payment will be considered incidental to Item 506.9104, Thermal Spray Coating (Shop Applied), no separate payment will be made.
- At the Contractor's option, all Structural Steel may be Hot-Dipped Galvanized in accordance with Standard Specifications Section 506, Shop Applied Protective Coating, as approved by the Resident. Double Hot-Dipped galvanizing shall be approved by the Resident. Payment will be considered incidental to Item 506.9104, Thermal Spray Coating (Shop Applied), no separate payment will be made.
- All bolts, nuts, and washers shall be hot dip galvanized in accordance with ASTM A153.
- Bolted field splice connections shall be made using 7/8" inch ASTM F 3125, Grade A325, high strength bolts. Bolt hole size shall be 15/16" inch diameter. Field splice bolt threads shall be excluded from the shear plane.
- Bolted diaphragms or cross frame connections shall be made using 7/8" inch diameter, ASTM F 3125, Grade A325, high strength bolts. Hole size shall be 15/16" inch diameter. The minimum edge distance shall be 1 1/2" inch unless otherwise shown. Oversized or short-slotted holes are not permitted. Bolt threads shall be excluded from the shear plane of cross frame or diaphragms connections.
- Ends of girder webs shall be vertical under full dead load.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NO. STP-2261(800)
BRIDGE NO. 2979
WIN
022618.00
BRIDGE PLANS

vhb

PROJ. MANAGER	J. KITREDOE	DATE
DESIGN-DETAILED	KCD	11/17
CHECKED-REVIEWED	JAW	11/17
DESIGN-DETAILED	CSG	1/18/18
DESIGN-DETAILED	NOTES	1/18/18
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BILLINGS BRIDGE OVER
LITTLE ANDROSCOGGIN RIVER
OXFORD COUNTY
PARIS

**FRAMING PLAN
AND GIRDER ELEVATION**

SHEET NUMBER
44
OF 57

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

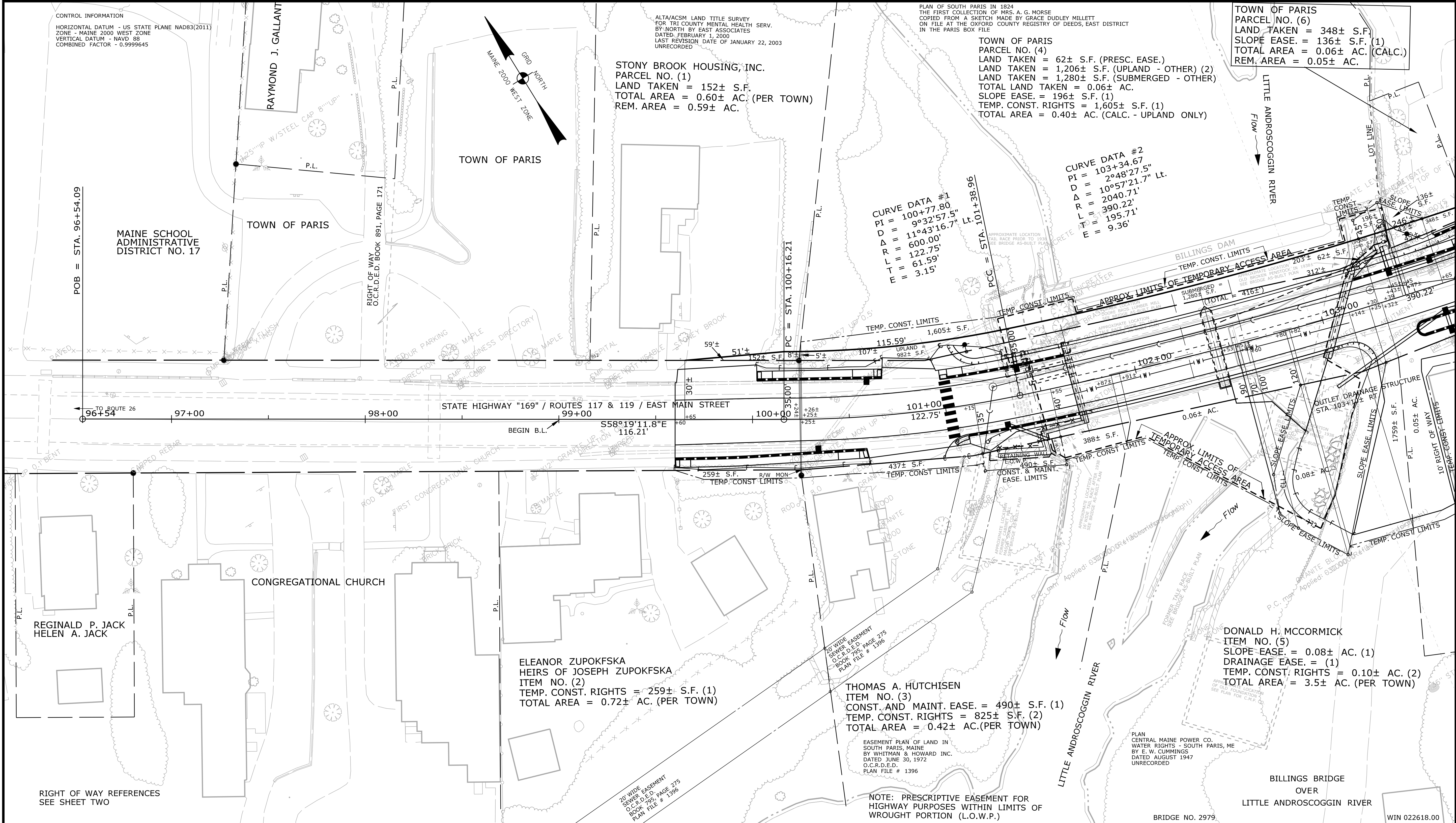
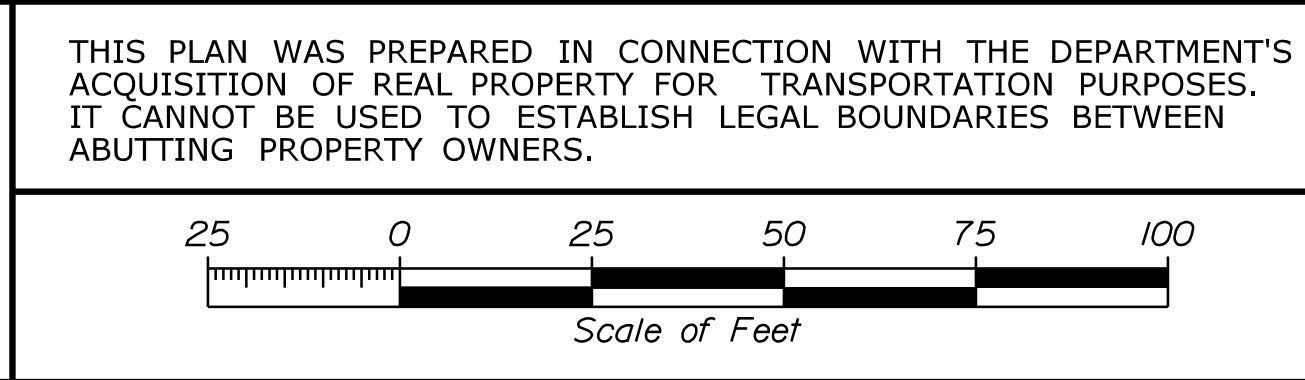
New R/W Along Existing R/W _____
 Building _____
 Trees Conifer _____
 Tree Line _____
 Water Edge _____
 Ledge _____
 Fence CHAIN LINK _____
 Sign _____
 Clearing Limit Line _____
 Deciduous _____
 Bush Line _____
 Rock/Boulder _____
 BARB WIRE _____
 STOCKADE _____
 WELL _____
 Mailbox _____

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

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

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

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



ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	G.L.L.	
FINAL RIGHT OF WAY AREAS	P.N.S.	

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

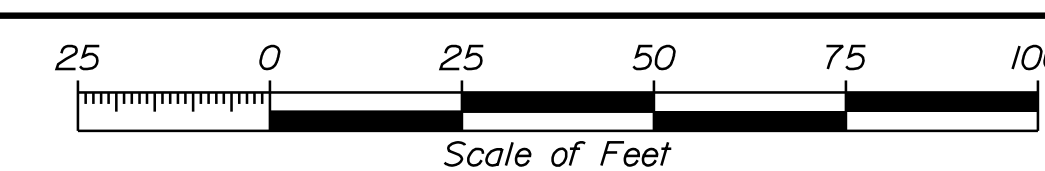
REVISIONS			PLAN FILED IN PLAN BOOK			PAGE COUNTY RECORD (EAST)			
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
						COND.	12/11/17	5383	17

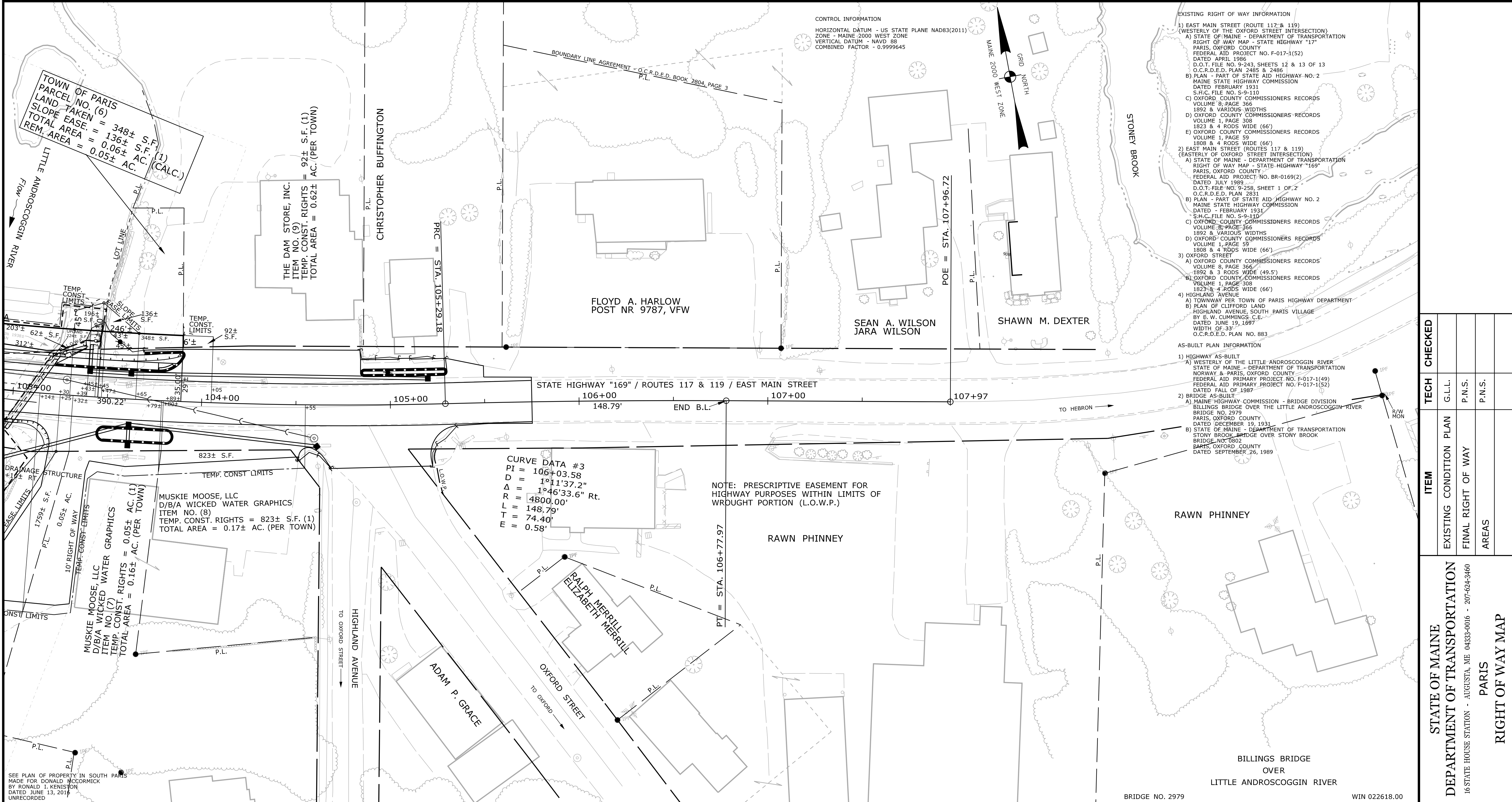
DAVID BERNHARDT
 COMMISSIONER
 JOYCE NOEL TAYLOR
 CHIEF ENGINEER
 DATE _____

STATE HIGHWAY "169"
 ROUTES 117 & 119 / EAST MAIN STREET
 PARIS
 OXFORD COUNTY
 FEDERAL AID PROJECT NO. STP-2261(800)
 OCTOBER 2017
 SCALE 1" = 25'

SHEET NUMBER
57
 OF 57

Filename: ... \MaineDOT\ROW\057_RWPLAN1.dgn
 Division: HIGHWAY
 Username: kwentworth
 Date: 1/18/2018

Town, County, State _____ Approx. Property Lines _____ Existing Right of Way _____ Limits of Wrought Portion _____ Control Of Access _____ New Right of Way _____ New Easement _____ New Temporary Rights _____ New R/W Within Existing R/W _____	PLAN LEGEND <table border="0" style="width:100%;"> <tr> <td style="width:33%;"> New R/W Along Existing R/W Building _____ Trees Conifer _____ Tree Line _____ Water Edge _____ Ledge _____ Fence _____ Sign _____ </td> <td style="width:33%;"> Existing _____ Proposed _____ Cleared Limit Line _____ Deciduous _____ Bush Line _____ Rock/Boulder _____ Flag Pole _____ Chain Link _____ Barb Wire _____ Well _____ </td> <td style="width:33%;"> Sanitary Sewer _____ Telephone Line _____ Electric Line _____ Water Line _____ Underdrain Line _____ Gas Line _____ Guardrail _____ Culvert _____ </td> </tr> <tr> <td> Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____ </td> <td> Existing _____ Proposed _____ Cut Line _____ Stonewall _____ Baseline _____ Monument _____ Iron Rod Found _____ Replacement Pin Set _____ </td> <td> Fill Line _____ Retaining Wall _____ Traverse Point _____ Pipe Found _____ </td> </tr> </table>	New R/W Along Existing R/W Building _____ Trees Conifer _____ Tree Line _____ Water Edge _____ Ledge _____ Fence _____ Sign _____	Existing _____ Proposed _____ Cleared Limit Line _____ Deciduous _____ Bush Line _____ Rock/Boulder _____ Flag Pole _____ Chain Link _____ Barb Wire _____ Well _____	Sanitary Sewer _____ Telephone Line _____ Electric Line _____ Water Line _____ Underdrain Line _____ Gas Line _____ Guardrail _____ Culvert _____	Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____	Existing _____ Proposed _____ Cut Line _____ Stonewall _____ Baseline _____ Monument _____ Iron Rod Found _____ Replacement Pin Set _____	Fill Line _____ Retaining Wall _____ Traverse Point _____ Pipe Found _____	STATE OF MAINE REGISTRY OF DEEDS COUNTY RECEIVED _____ at _____ h _____ m _____ M and recorded in _____ Plan Book _____, Page _____ Attest: _____ REGISTER	THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ADJACENT PROPERTY OWNERS. 
New R/W Along Existing R/W Building _____ Trees Conifer _____ Tree Line _____ Water Edge _____ Ledge _____ Fence _____ Sign _____	Existing _____ Proposed _____ Cleared Limit Line _____ Deciduous _____ Bush Line _____ Rock/Boulder _____ Flag Pole _____ Chain Link _____ Barb Wire _____ Well _____	Sanitary Sewer _____ Telephone Line _____ Electric Line _____ Water Line _____ Underdrain Line _____ Gas Line _____ Guardrail _____ Culvert _____							
Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____	Existing _____ Proposed _____ Cut Line _____ Stonewall _____ Baseline _____ Monument _____ Iron Rod Found _____ Replacement Pin Set _____	Fill Line _____ Retaining Wall _____ Traverse Point _____ Pipe Found _____							



EXISTING RIGHT OF WAY INFORMATION

1) EAST MAIN STREET (ROUTE 117 & 119) (WESTERLY OF THE OXFORD STREET INTERSECTION)
 A) STATE OF MAINE - DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP - STATE HIGHWAY "17"
 PARIS, OXFORD COUNTY
 FEDERAL AID PROJECT NO. F-017-1(52)
 DATED APRIL 1986
 D.O.T. FILE NO. 9-243, SHEETS 12 & 13 OF 13
 O.C.R.D.E. PLAN 2485 & 2486
 B) PLAN - PART OF STATE AID HIGHWAY NO. 2
 MAINE STATE HIGHWAY COMMISSION
 DATED FEBRUARY 1931
 S.H.C. FILE NO. S-9-110
 C) OXFORD COUNTY COMMISSIONERS RECORDS
 VOLUME 8, PAGE 366
 1892 & VARIOUS WIDTHS
 D) OXFORD COUNTY COMMISSIONERS RECORDS
 VOLUME 1, PAGE 308
 1823 & 4 RODS WIDE (66')
 E) OXFORD COUNTY COMMISSIONERS RECORDS
 VOLUME 1, PAGE 59
 1808 & 4 RODS WIDE (66')

2) EAST MAIN STREET (ROUTES 117 & 119) (EASTERLY OF OXFORD STREET INTERSECTION)
 A) STATE OF MAINE - DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP - STATE HIGHWAY "169"
 PARIS, OXFORD COUNTY
 FEDERAL AID PROJECT NO. BR-0169(2)
 DATED JULY 1989
 D.O.T. FILE NO. 9-258, SHEET 1 OF 2
 O.C.R.D.E. PLAN 2831
 B) PLAN - PART OF STATE AID HIGHWAY NO. 2
 MAINE STATE HIGHWAY COMMISSION
 DATED - FEBRUARY 1931
 S.H.C. FILE NO. S-9-110
 C) OXFORD COUNTY COMMISSIONERS RECORDS
 VOLUME 8, PAGE 366
 1892 & VARIOUS WIDTHS
 D) OXFORD COUNTY COMMISSIONERS RECORDS
 VOLUME 1, PAGE 59
 1808 & 4 RODS WIDE (66')

3) OXFORD STREET
 A) OXFORD COUNTY COMMISSIONERS RECORDS
 VOLUME 8, PAGE 366
 1892 & 3 RODS WIDE (49.5')
 B) OXFORD COUNTY COMMISSIONERS RECORDS
 VOLUME 1, PAGE 308
 1823 & 4 RODS WIDE (66')

4) HIGHLAND AVENUE
 A) TOWNWAY PER TOWN OF PARIS HIGHWAY DEPARTMENT
 HIGHLAND AVENUE, SOUTH PARIS VILLAGE
 BY E. W. CUMMINGS, C.E.
 DATED JUNE 19, 1897
 WIDTH OF 33'
 O.C.R.D.E. PLAN NO. 883

AS-BUILT PLAN INFORMATION

1) HIGHWAY AS-BUILT
 A) WESTERLY OF THE LITTLE ANDROSCOGGIN RIVER
 STATE OF MAINE - DEPARTMENT OF TRANSPORTATION
 NORWAY & PARIS, OXFORD COUNTY
 FEDERAL AID PRIMARY PROJECT NO. F-017-1(49)
 FEDERAL AID PRIMARY PROJECT NO. F-017-1(52)
 DATED FALL OF 1987
 B) BRIDGE AS-BUILT
 A) MAINE HIGHWAY COMMISSION - BRIDGE DIVISION
 BILLINGS BRIDGE OVER THE LITTLE ANDROSCOGGIN RIVER
 BRIDGE NO. 2979
 PARIS, OXFORD COUNTY
 DATED DECEMBER 19, 1931
 B) STATE OF MAINE - DEPARTMENT OF TRANSPORTATION
 STONY BROOK BRIDGE OVER STONY BROOK
 BRIDGE NO. 0802
 PARIS, OXFORD COUNTY
 DATED SEPTEMBER 26, 1989

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	G.L.L.	
FINAL RIGHT OF WAY AREAS	P.N.S.	P.N.S.

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

REVISIONS	PLAN FILED IN PLAN BOOK	PAGE	COUNTY RECORD	(EAST)	
NO. DATE DESCRIPTION BY	NO. GRANTOR	INSTRUMENT	DATE	BOOK PAGE	DAVID BERNHARDT COMMISSIONER JOYCE NOEL TAYLOR CHIEF ENGINEER
		COND.	12/11/17	5383 17	DATE
					STATE HIGHWAY "169" ROUTES 117 & 119 / EAST MAIN STREET PARIS OXFORD COUNTY FEDERAL AID PROJECT NO. STP-2261(800)
					SHEET NUMBER 57A
			OCTOBER 2017 SCALE 1" = 25'		RIGHT-OF-WAY MAP SHEET 2 OF 2 D.O.T. FILE NO. 9-395
					WIN 022618.00 OF 57

Filename: ... \MaineDOT\ROW\57A_RWPLAN2.dgn Division: HIGHWAY
 Username: kwentworth Date: 1/18/2018