

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



MATERIALS

Concrete:
Decks, Curbs & Transition Barriers Class "LP"
Backwall & Abutment Seat Class "A"
Reinforcing Steel ASTM A 615/A 615M, Grade 60

BASIC DESIGN STRESSES

Concrete
Class "LP" f 'c = 5,000 psi
Class "A" f 'c = 4,000 psi
Reinforcing Steel f y = 60,000 psi

TRAFFIC DATA

Current (2018) AADT - Sherman 2180 - 2390
Current (2018) AADT - Medway 2470 - 3270

SHERMAN/MEDWAY
AROOSTOOK/PENOBSCOT COUNTY
INTERSTATE 95 SOUTHBOUND

I-95 SB OVER ROUTE 158
BRIDGE NO. 1406
I-95 SB OVER BENEDICTA ROAD
BRIDGE 1407
I-95 SB OVER SALMON STREAM
BRIDGE 1409
I-95 SB OVER ROUTE 116
BRIDGE 1411

PROJECT NO. 22318.00

LIST OF DRAWINGS

Title Sheet	1
Quantities	2
Plan View (1406)	3
Abutment 1 Plans and Elevations (1406)	4
Abutment 2 Plans and Elevations (1406)	5
Abutment Details (1406)	6
Plan View (1407)	7
Abutment 1 Plans and Elevations (1407)	8
Abutment 2 Plans and Elevations (1407)	9
Abutment Details (1407)	10
Armored Joint Details (1407)	11
Plan View (1409)	12
Abutment Details (1409)	13
Plan View (1411)	14
Abutment 1 Plans and Elevations (1411)	15
Abutment 2 Plans and Elevations (1411)	16
Abutment Details (1411)	17
Transition Barrier Details I (1406 & 1411)	18
Transition Barrier Details II (1406 & 1407 & 1411)	19
Joint Details (1406 & 1407)	20
Joint Details (1409 & 1411)	21

MAINTENANCE OF TRAFFIC

Contractor shall maintain a minimum roadway width of 14'-0" at all times.

PROJECT LOCATION:	Bridge #1406: Sherman, Latitude 45°52'22.8" N, Longitude 68°24'47.8" W Bridge #1407: Sherman, Latitude 45°52'1.9" N, Longitude 68°25'0.9" W Bridge #1409: Medway, Latitude 45°38'21.2" N, Longitude 68°30'1.8" W Bridge #1411: Medway, Latitude 45°36'3.5" N, Longitude 68°31'50.6" W
PROGRAM AREA:	Bridge Preservation
OUTLINE OF WORK:	Approach Pavement, Curb, Joint and Transition Barrier Modifications

WIN 022318.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	COMMISSIONER: <i>Jan Willis</i>	3/23/19
	CHIEF ENGINEER: <i>Kevin Noel Taylor</i>	3-23-18

Professional Engineer Seal: <i>Joseph R. L. Silwell</i> , License No. 14214, State of Maine	
SIGNATURE	DATE
<i>Joseph Silwell</i>	3-2-1-19

PROJECT INFORMATION	
PROGRAM	Bridge
PROJECT MANAGER	Joseph Silwell
DESIGNER	Joseph Silwell
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

SHERMAN/MEDWAY AROOSTOOK/PENOBSCOT COUNTIES	TITLE SHEET
--	-------------

SHEET NUMBER
1
OF 21

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	Removing Pavement Surface - Mainline	1,050	SY
203.20	Common Excavation	435	CY
304.16	Aggregate Base Course - Type C	435	CY
403.2131	Hot Mix Asphalt - 12.5 mm (Base and Intermediate Course Polymer Modified)	360	TON
409.15	Bituminous Tack Coat, Applied	45	GAL
424.38	Crack Repair, Hot Pour Mastic	310	LB
503.12	Reinforcing Steel, Fabricated and Delivered	1,000	LB
503.13	Reinforcing Steel, Placing	1,000	LB
508.14	High Performance Waterproofing Membrane (64 SY)	1	LS
518.391	Repairing Granite Curb Joint and Bedding Mortar	50	LF
518.51	Repair of Upward Facing Surfaces - Below Reinforcing Steel < 8 inches	30	SF
518.60	Repair of Vertical Surfaces < 8 inches	210	SF
518.61	Repair of Vertical Surfaces ≥ 8 inches	3	CY
520.232	Expansion Device - Asphaltic Plug Joint	39	LF
520.241	Bridge Joint Modifications Type 1 (Bridge 1409)	1	EA
520.244	Bridge Joint Modifications Type 4 (Bridge 1406, Bridge 1411)	2	EA
520.245	Bridge Joint Modifications Type 5 - Steel Joint (Bridge 1407)	2	EA
520.245	Bridge Joint Modifications Type 5 - Concrete Joint (Bridge 1406, Bridge 1411)	2	EA
526.301	Temporary Concrete Barrier Type 1 (200 LF)	1	LS
526.3401	Permanent Concrete Transition Barrier - Modified	12	EA
656.75	Temporary Soil Erosion and Water Pollution Control	1	LS
659.10	Mobilization	1	LS

General Construction Notes:

1. Project Plans and information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>
2. The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproduction of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans show any construction field changes or any alterations which may have been made to the bridge during its life span.
3. The existing bridge right-of-way 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.
4. Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Resident.
5. 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.
6. Reinforcing steel shall have a minimum concrete cover of 2 inches unless otherwise noted.
7. Repair of existing concrete surfaces is not anticipated to be needed below finished grade. Should condition warrant repair below finished grade, excavation shall be considered extra work.
8. Bridge curb concrete, abutment header concrete, and #15 felt paper shall be incidental to the respective Bridge Joint Modification Pay Item.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PROJECT NO. 1406, 1407, 1409, 1411

WIN 022318.00

BRIDGE NO. 1406, 1407, 1409, 1411

BRIDGE PLANS

SHERMAN/MEDWAY
AROOSTOOK/PENOBSCOT COUNTIES

QUANTITIES

SHEET NUMBER

2

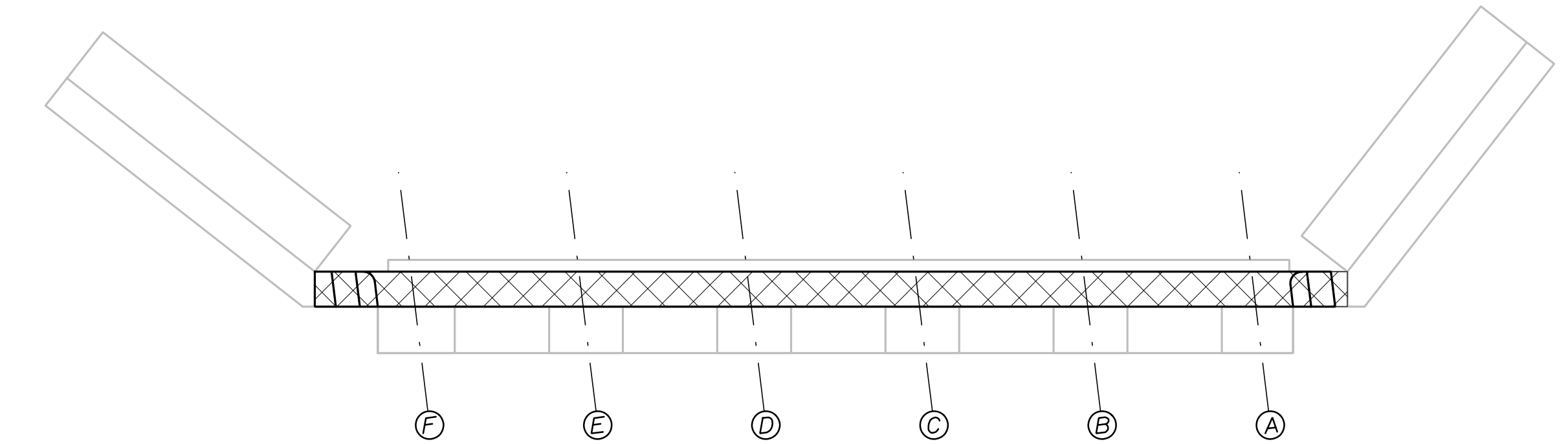
OF 21

PROJ. MANAGER	J. STILLWELL	BY	DATE
DESIGN-DETAILED	JRS	HNTB	03/18
CHECKED-REVIEWED	-	JLL	03/18
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

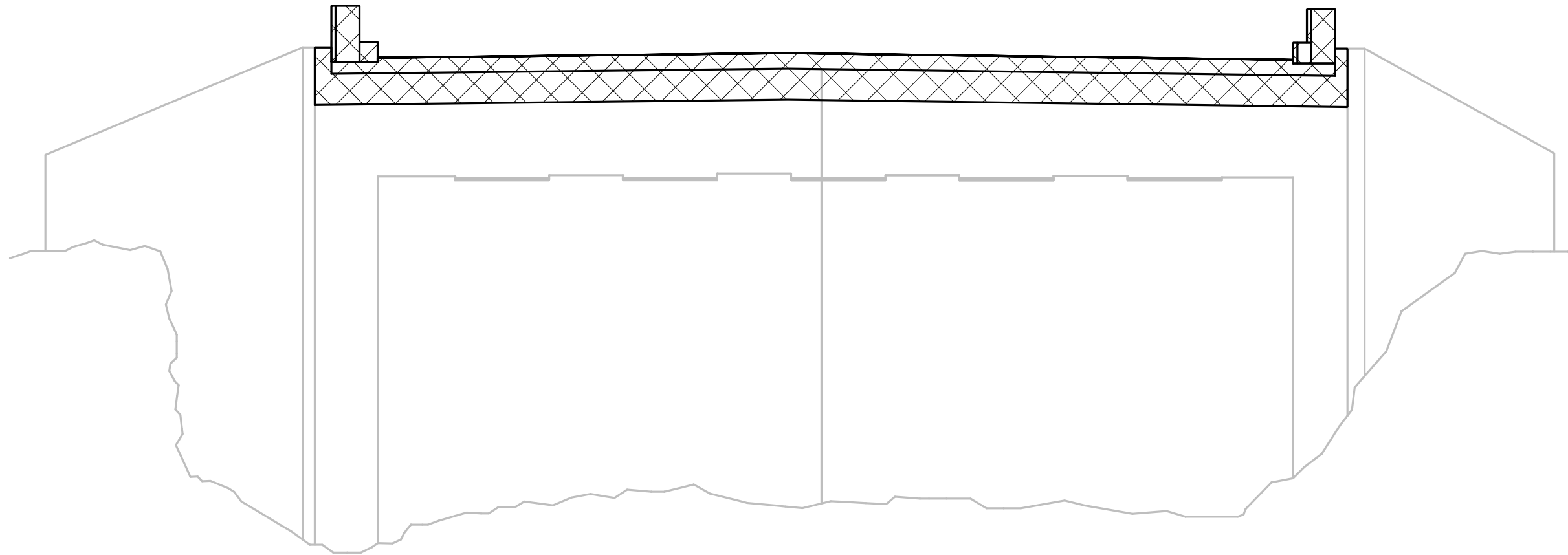
SIGNATURE

P.E. NUMBER

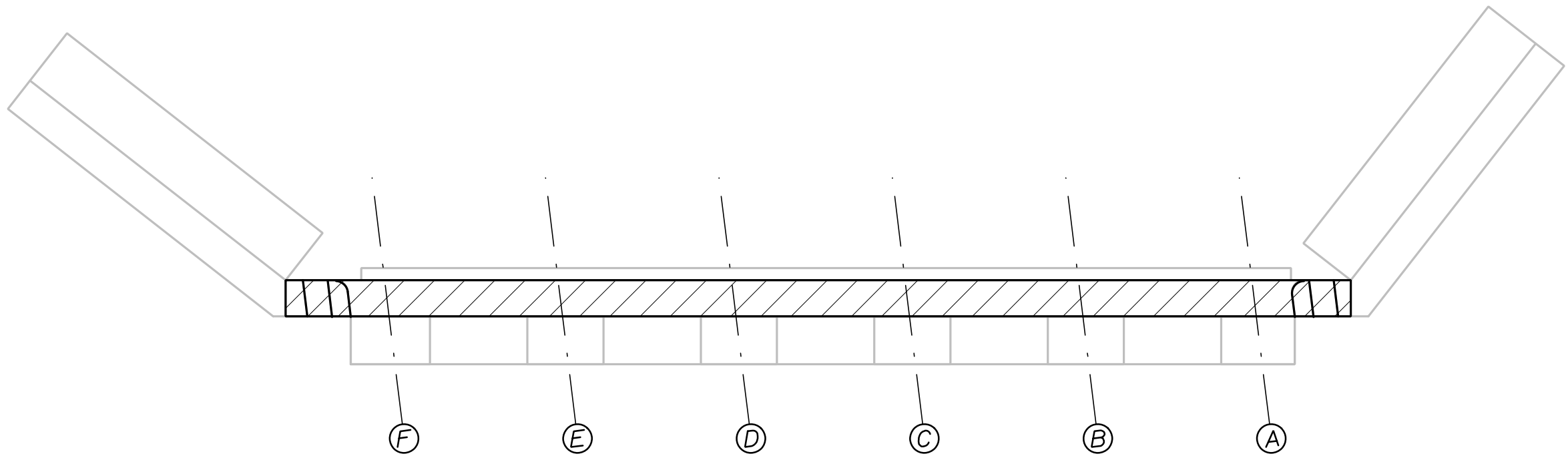
DATE



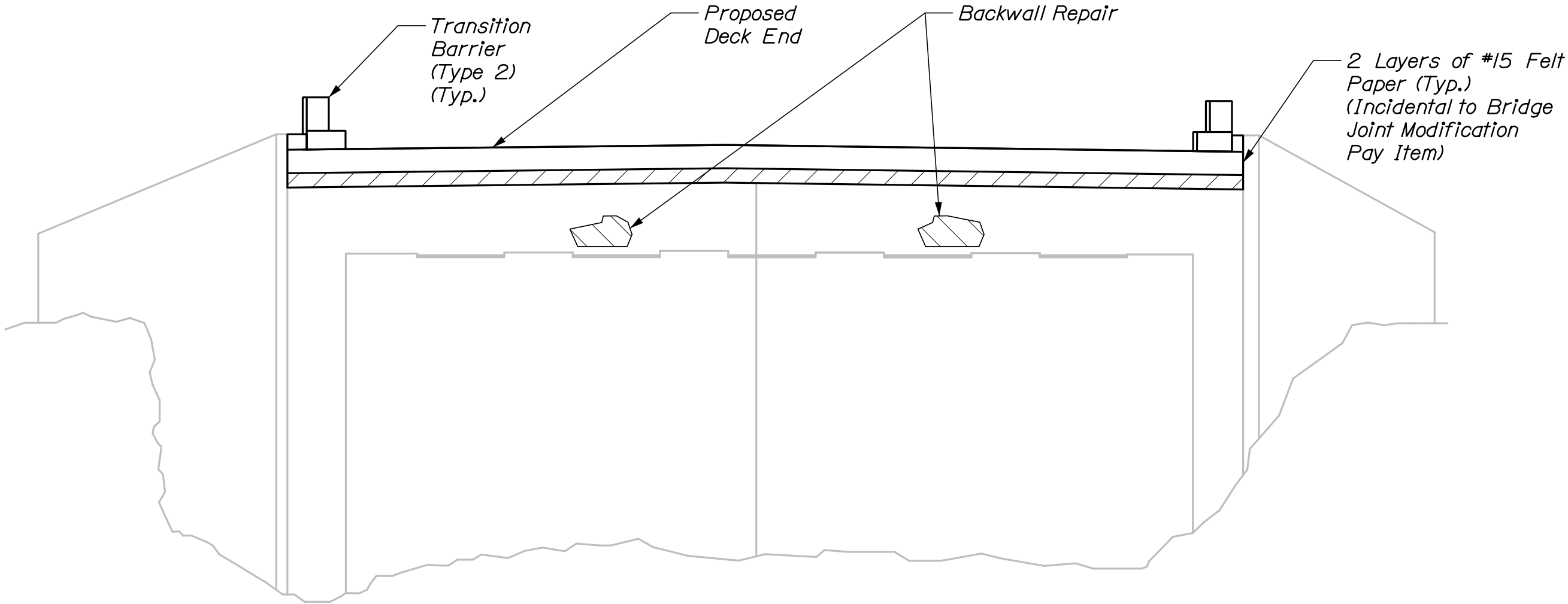
Abutment 1 Demolition Plan



Abutment 1 Demolition Elevation



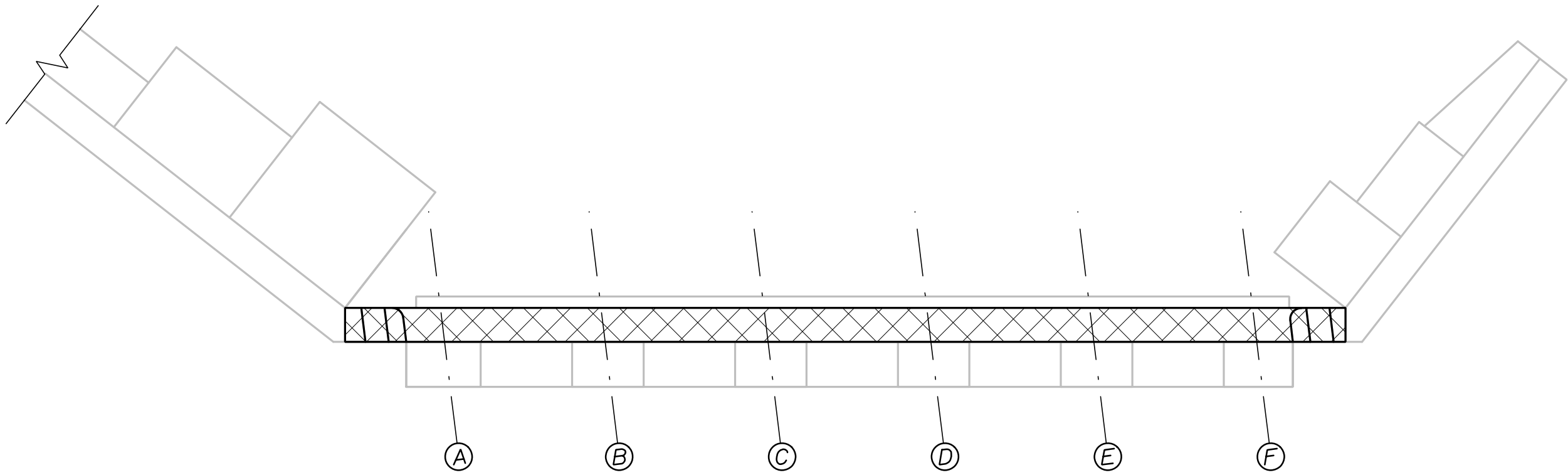
Abutment 1 Proposed Plan



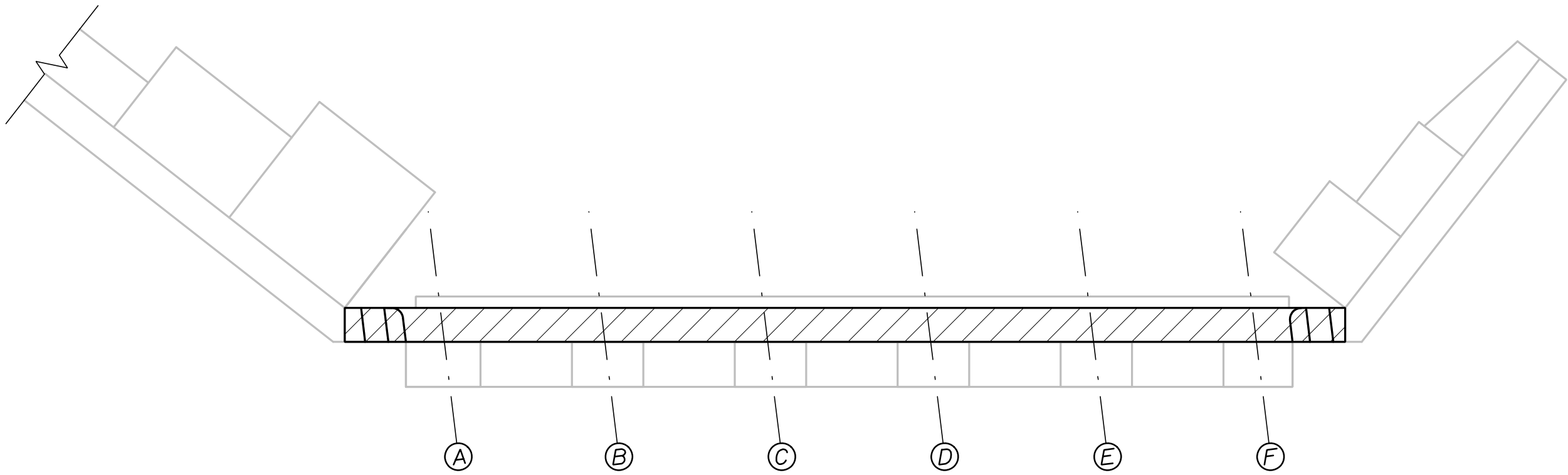
Abutment 1 Proposed Elevation

	Limit of Demolition
	Limit of Proposed Backwall
	Limit of Backwall Repair (To be determined by Resident)

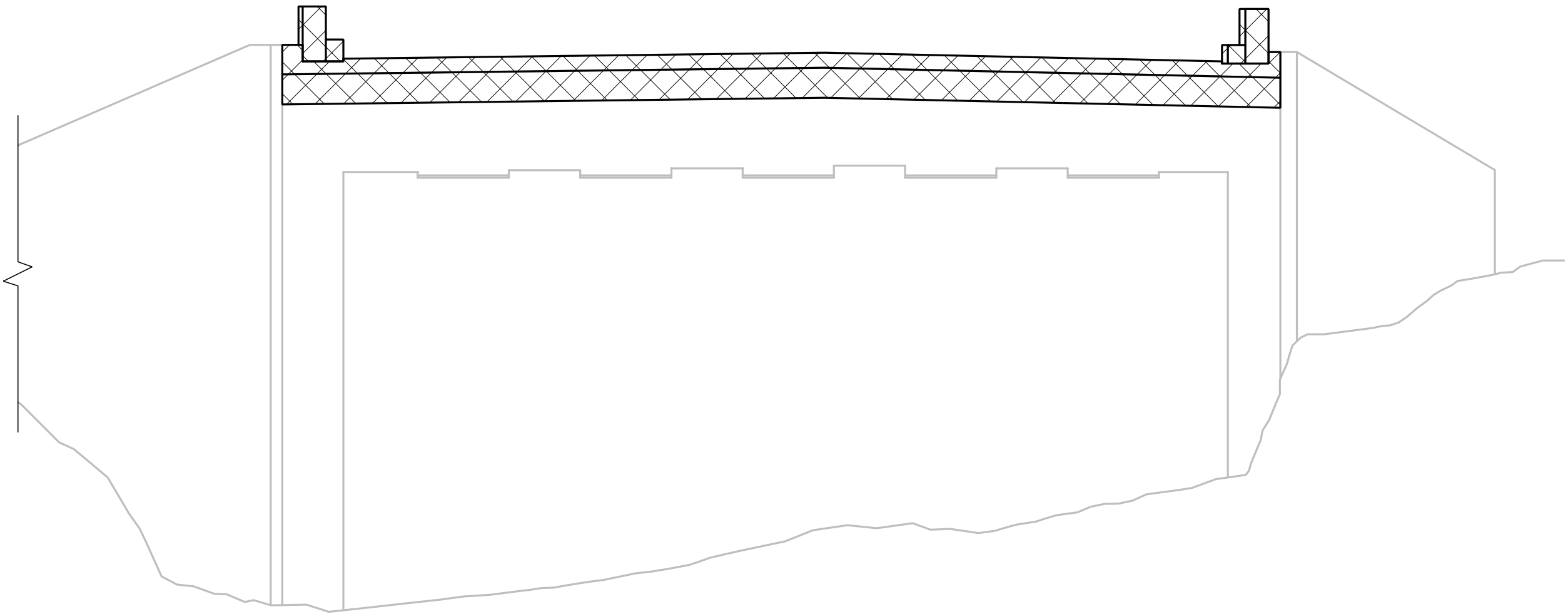
I-95 SB BRIDGE OVER ROUTE 158 BRIDGE NO. 1406 SHERMAN AROOSTOOK COUNTY	STATE OF MAINE DEPARTMENT OF TRANSPORTATION		BRIDGE NO. 1406 WIN 022318.00 BRIDGE PLANS	
	SHEET NUMBER 4 OF 21		SIGNATURE P.E. NUMBER DATE	
	ABUTMENT 1 PLANS AND ELEVATIONS		FIELD CHANGES	



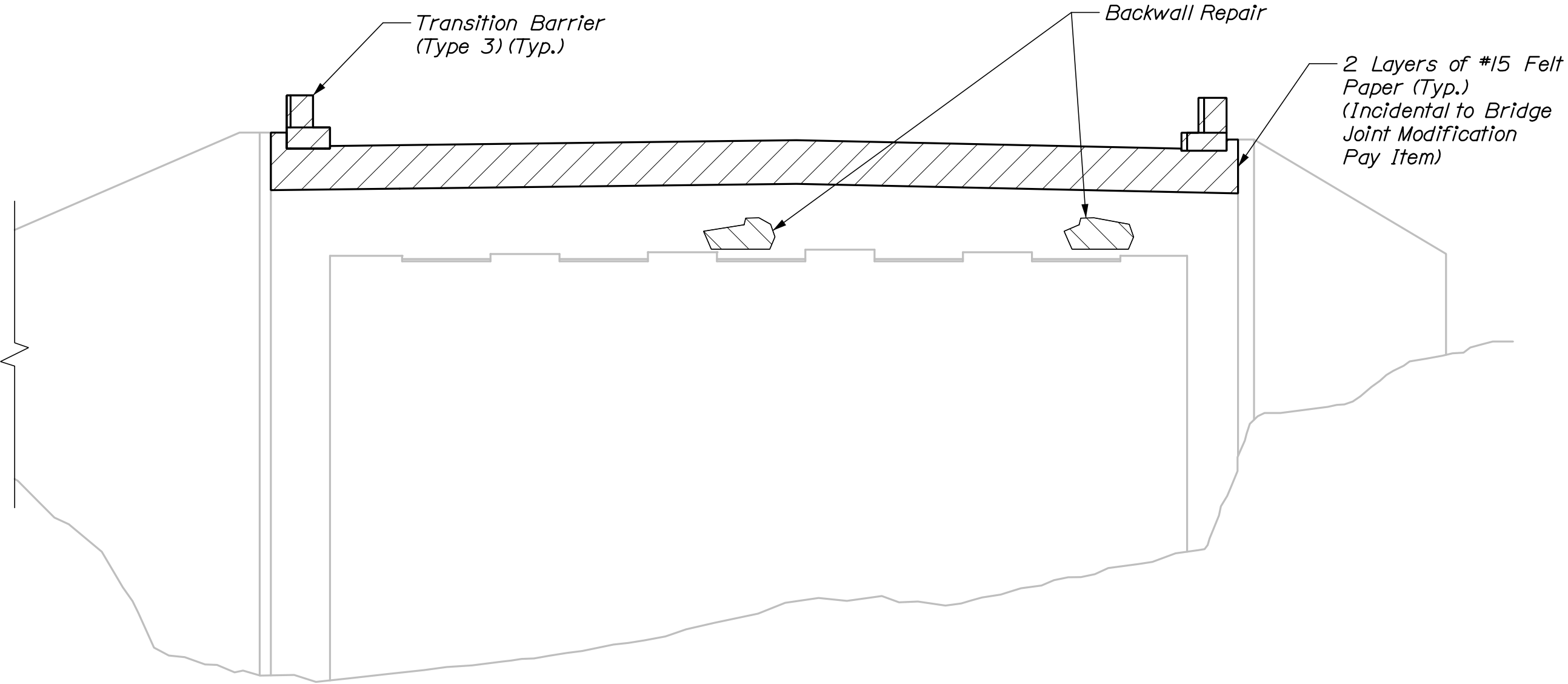
Abutment 2 Demolition Plan



Abutment 2 Proposed Plan



Abutment 2 Demolition Elevation



Abutment 2 Proposed Elevation

Limit of Demolition

Limit of Proposed Backwall

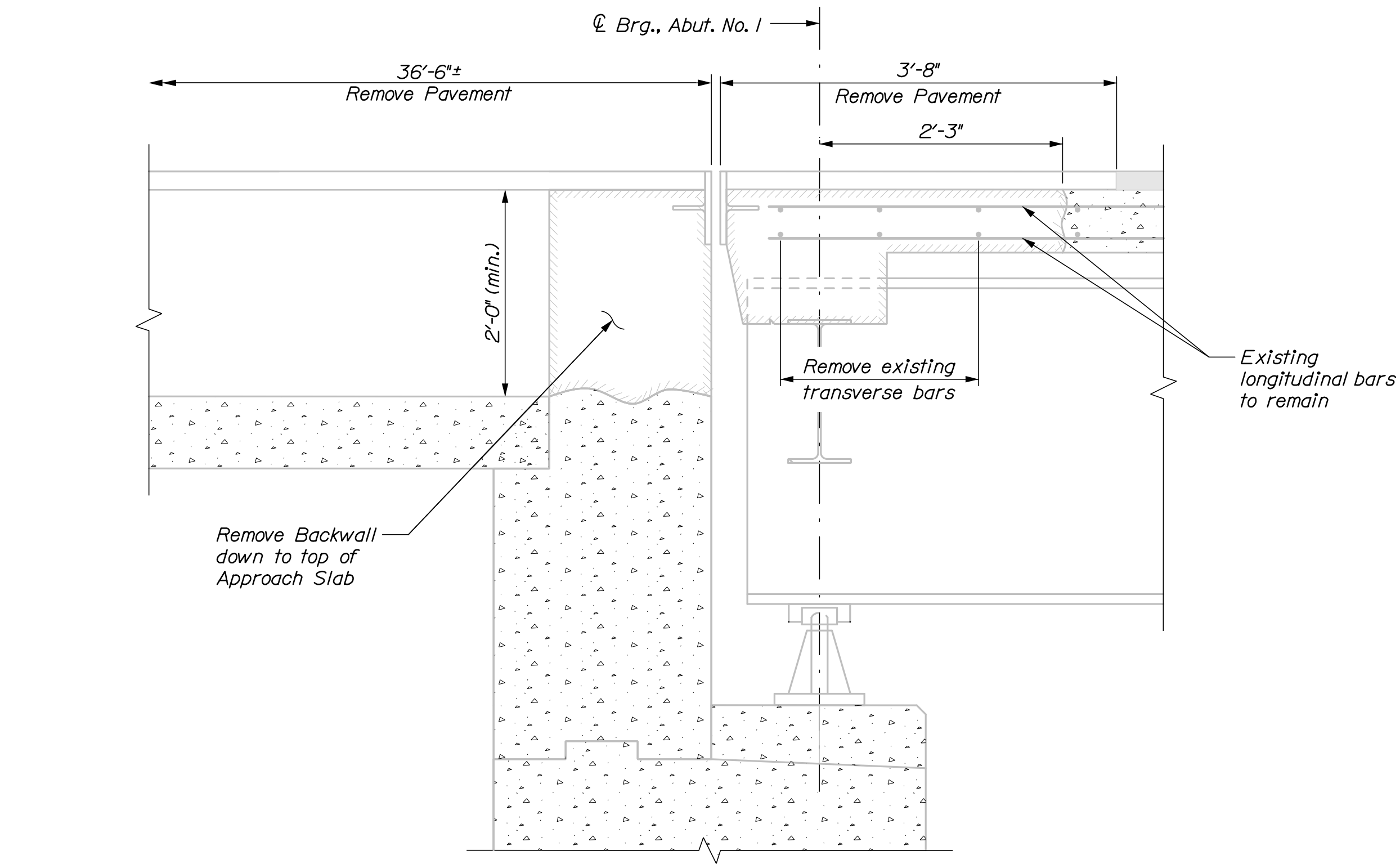
Limit of Backwall Repair
(To be determined by Resident))

I-95 SB BRIDGE OVER ROUTE 158 BRIDGE NO. 1406 SHERMAN AROOSTOOK COUNTY	STATE OF MAINE DEPARTMENT OF TRANSPORTATION		DATE 03/18		SIGNATURE	
	ABUTMENT 2 PLANS AND ELEVATION		BY HNIB		P.E. NUMBER	
	SHEET NUMBER 5 OF 21		DESIGNED-DRAWN JRS		DATE 03/18	
	WIN 022318.00 BRIDGE NO. 1406 BRIDGE PLANS		DESIGNED-REVIEWED JRS		DATE 03/18	

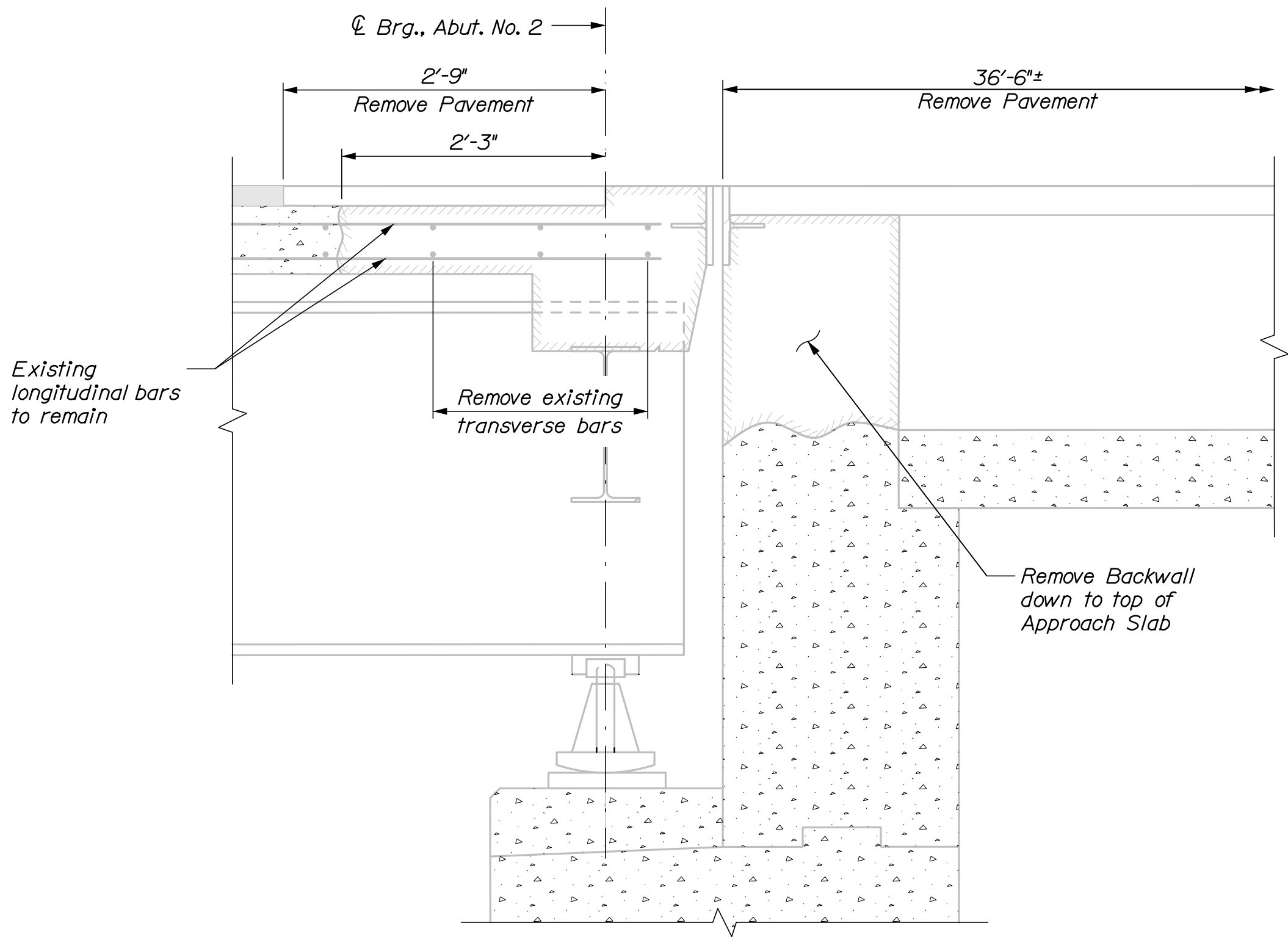
Date: 3/21/2018

Username:

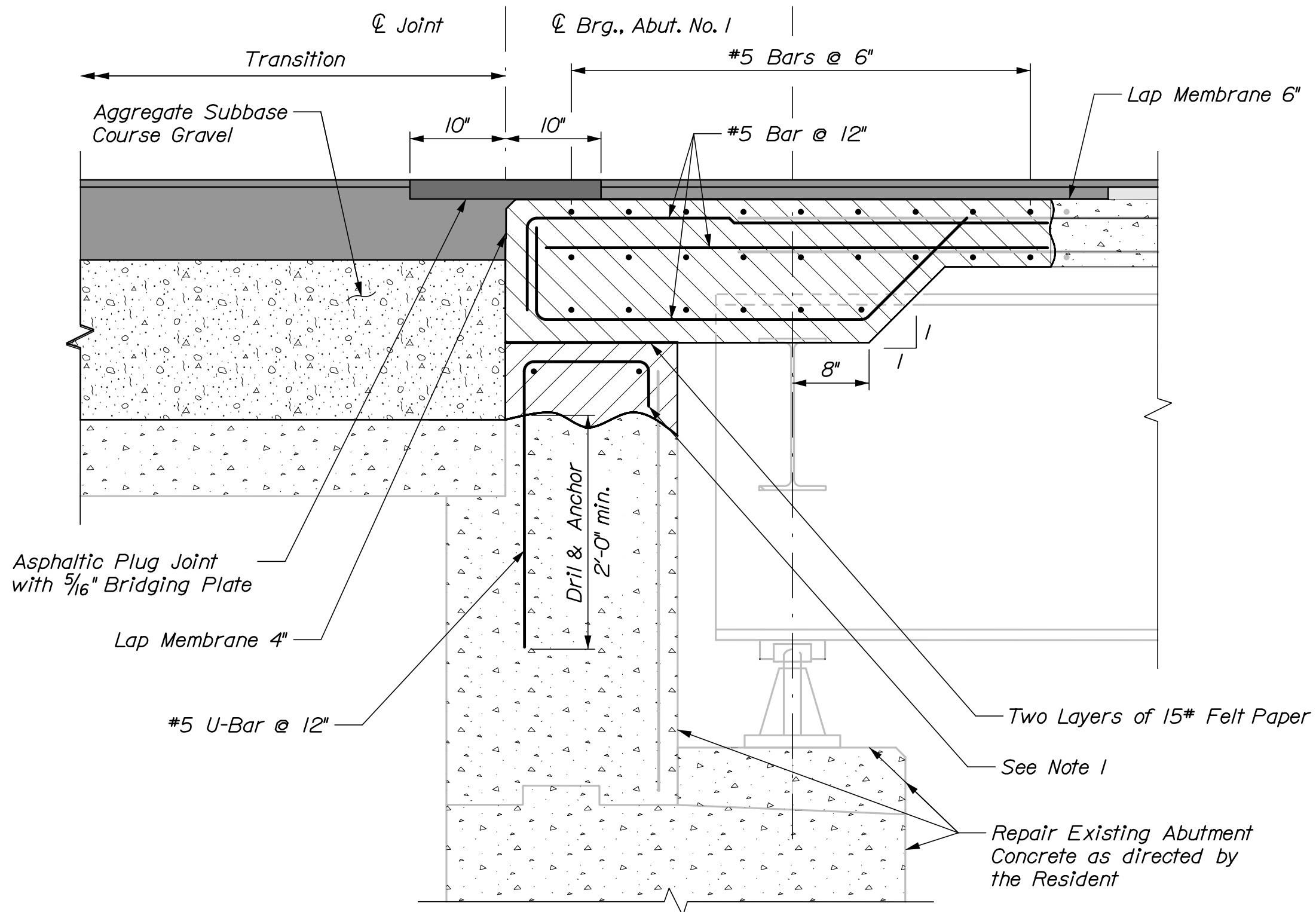
Filename: 006_Sherman-1406-Abutment Details.dgn Division:



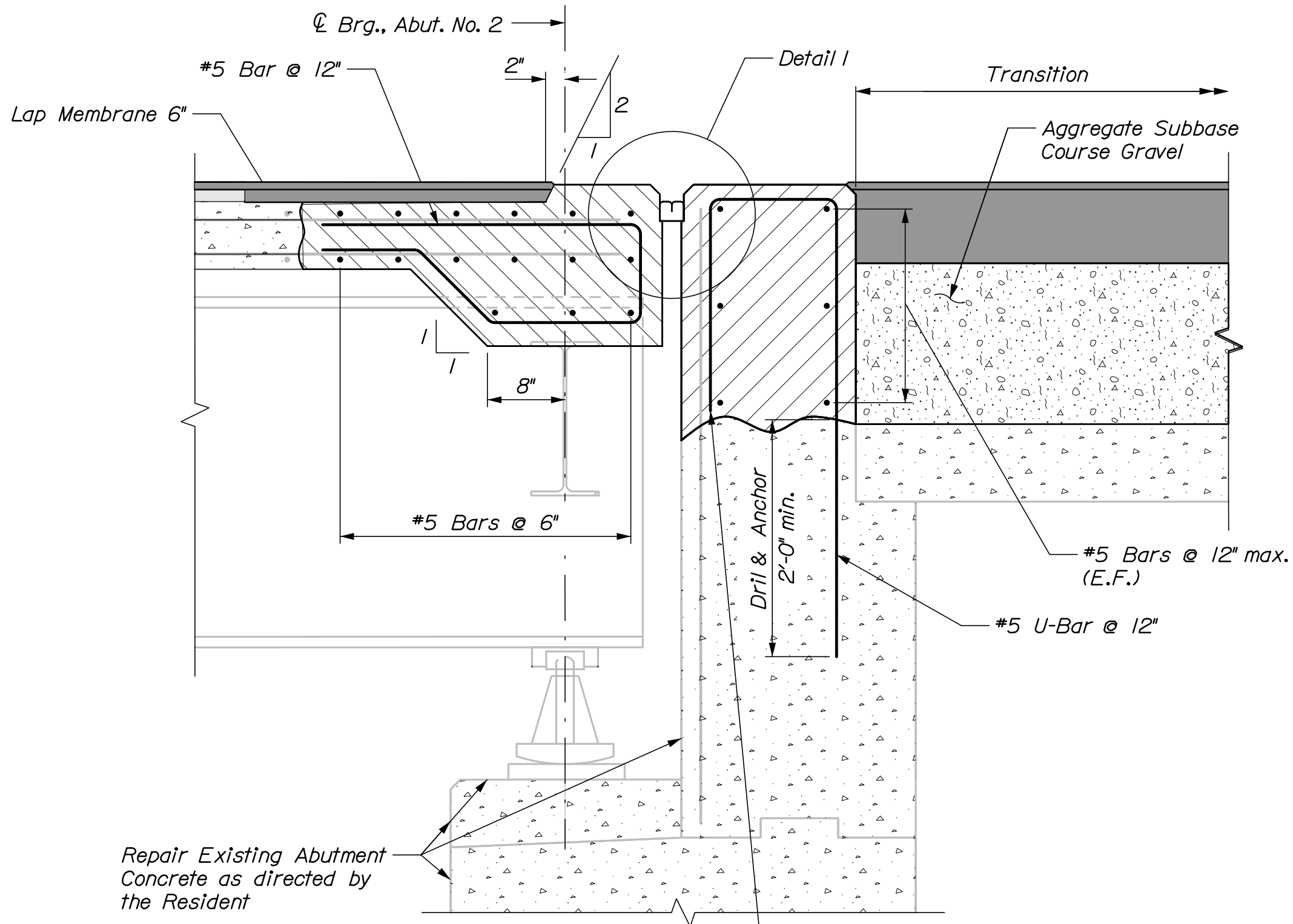
ABUTMENT NO. 1 JOINT DEMOLITION



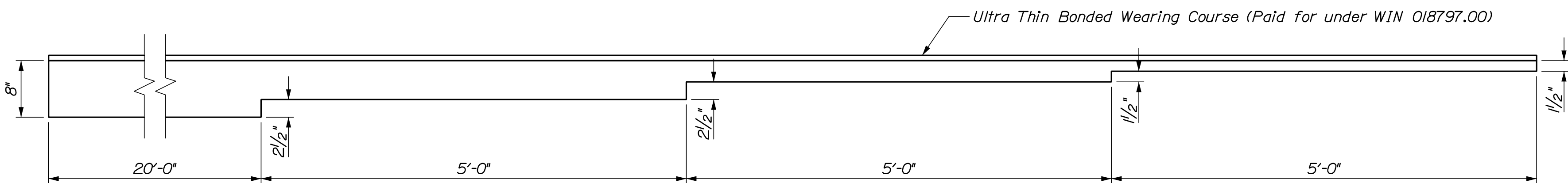
ABUTMENT NO. 2 JOINT DEMOLITION



ABUTMENT NO. 1 JOINT MODIFICATION

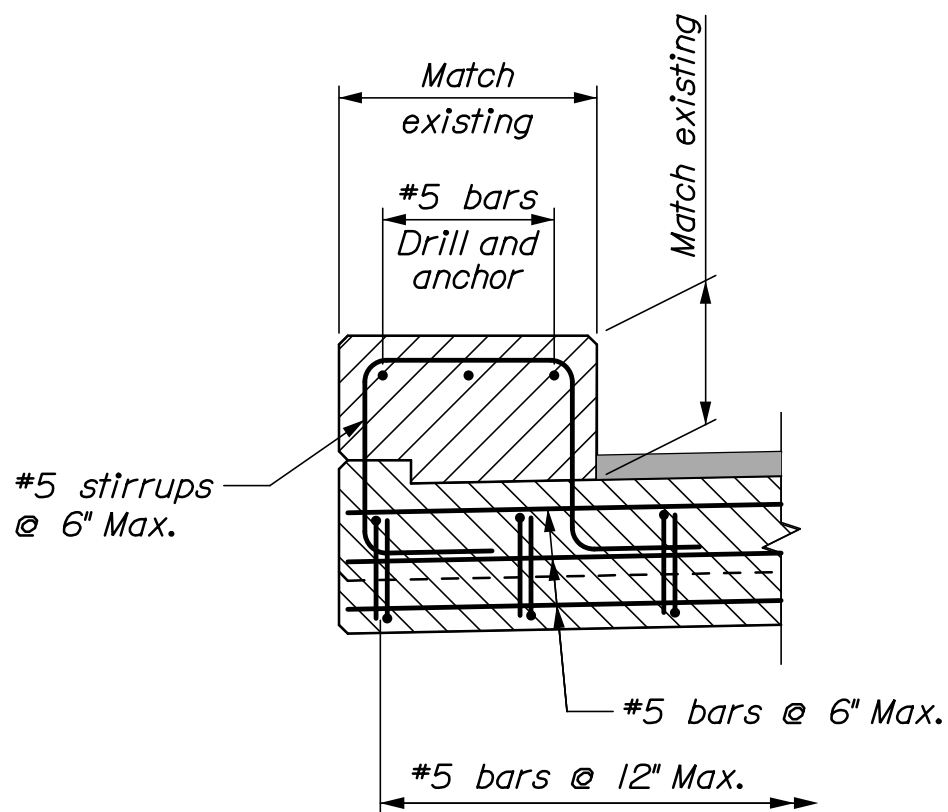


ABUTMENT NO. 2 JOINT MODIFICATION



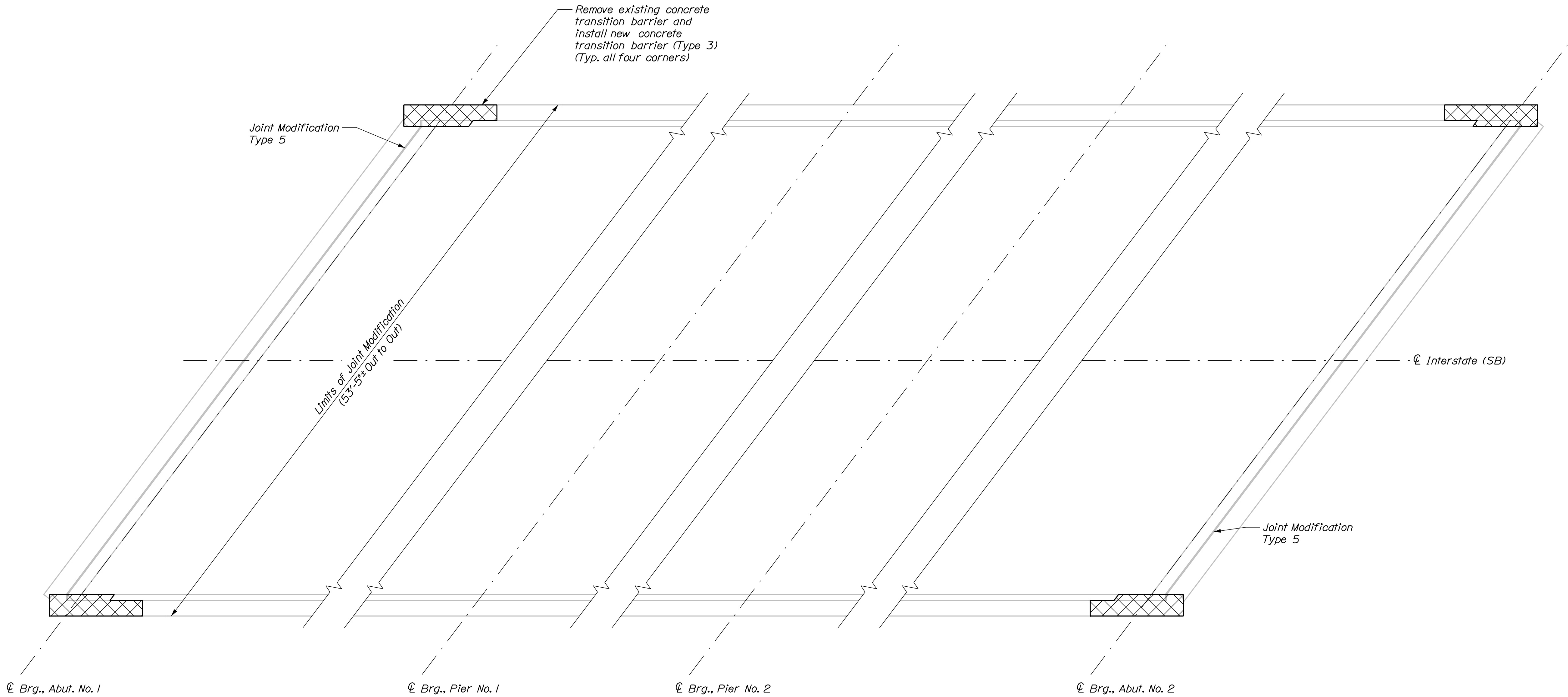
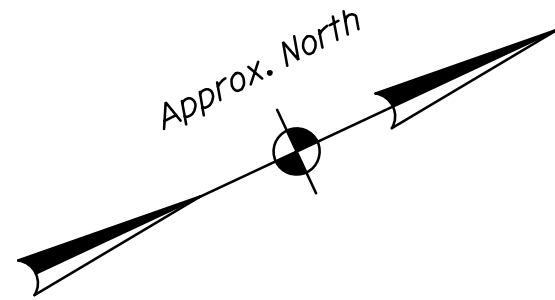
PAVEMENT TRANSITION

Notes:
1. Field cut reinforcing steel U-bar and tie to existing reinforcing.



Curb Overhang Detail
(Substructure Curb Similar)

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		BRIDGE NO. 1406		WIN 022318.00		BRIDGE PLANS	
I-95 SB BRIDGE OVER ROUTE 158		BRIDGE NO. 1406		AROOSTOOK COUNTY		SHERMAN		ABUTMENT DETAILS	
SHEET NUMBER		6		OF 21					
PROJ. MANAGER		J. STILLWELL		BY		DATE			
DESIGNED-DETAILED		JRS		HNTB		03/18		SIGNATURE	
CHECKED-REVIEWED		-		JLL		03/18		P.E. NUMBER	
DESIGNS-DETAILED		-		-		-		DATE	
REVISIONS 1		-		-		-			
REVISIONS 2		-		-		-			
REVISIONS 3		-		-		-			
REVISIONS 4		-		-		-			
FIELD CHANGES		-		-		-			



SUPERSTRUCTURE PLAN - I-95 SB OVER BENEDICTA ROAD BRIDGE (1407)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 1407
WIN
022318.00
BRIDGE PLANS

I-95 SB BRIDGE OVER BENEDICTA ROAD
BRIDGE NO. 1407
SHERMAN
AROOSTOOK COUNTY

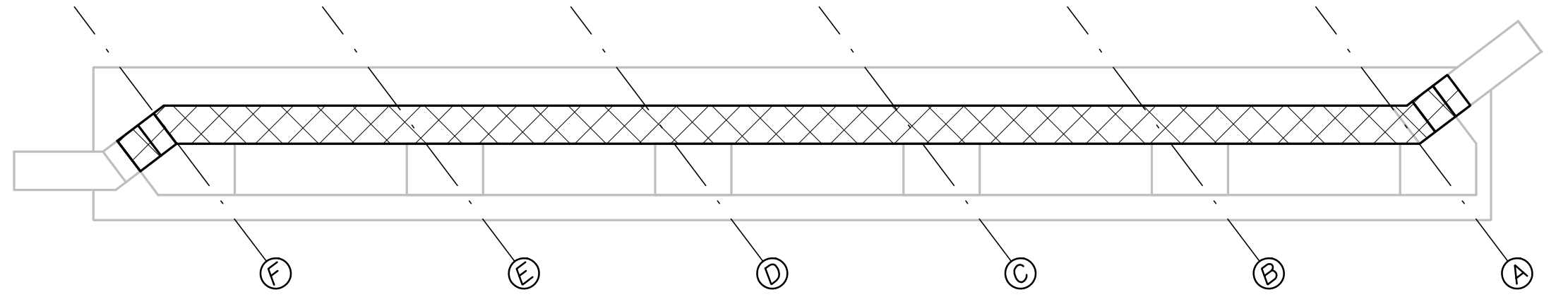
PLAN VIEW

SHEET NUMBER

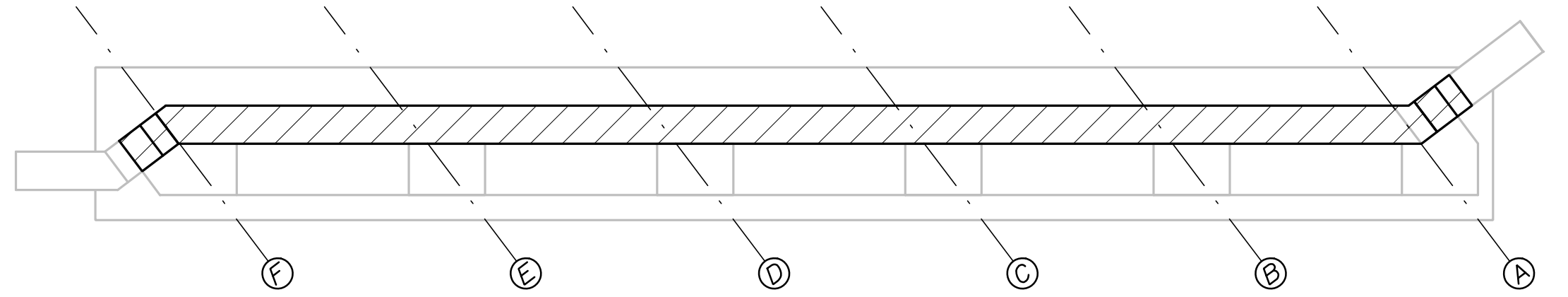
21

OF 21

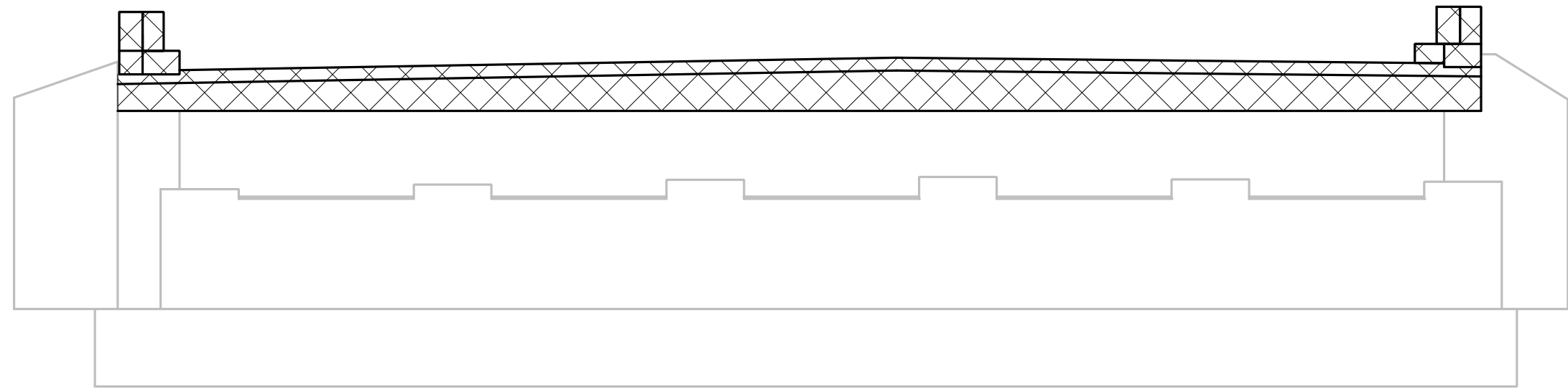
PROJ. MANAGER	J. STILLWELL	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED-DETAILED	JRS	HTB	03/18			
CHECKED-REVIEWED		JLL	03/18			
DESIGNED-DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						



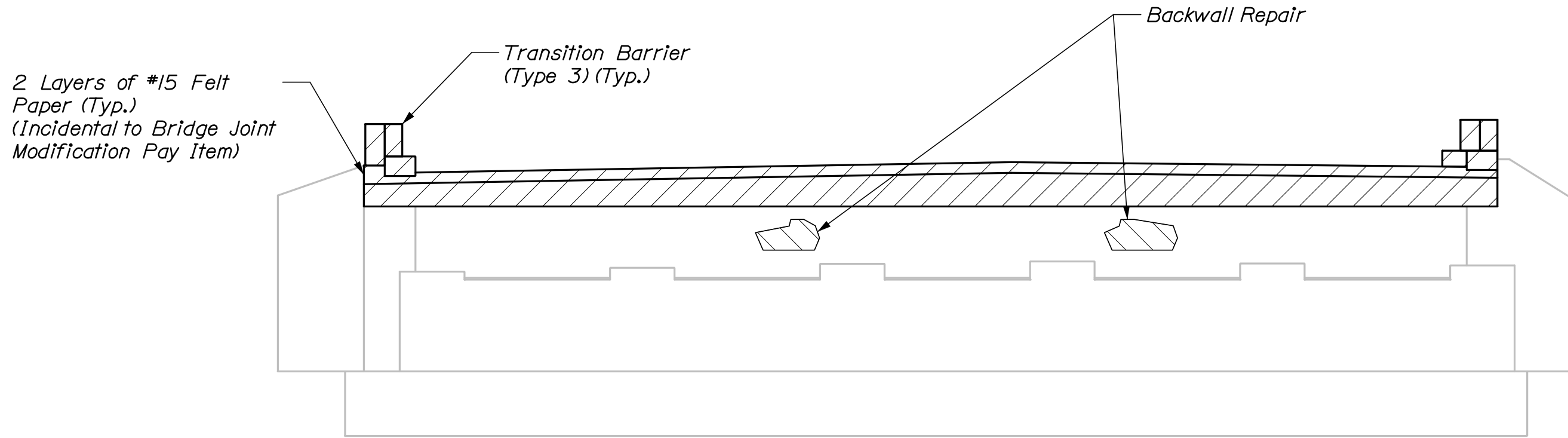
Abutment I Demolition Plan



Abutment I Proposed Plan



Abutment I Demolition Elevation



Abutment I Proposed Elevation

Limit of Demolition

Limit of Proposed Backwall

Limit of Backwall Repair
(To be determined by Resident)

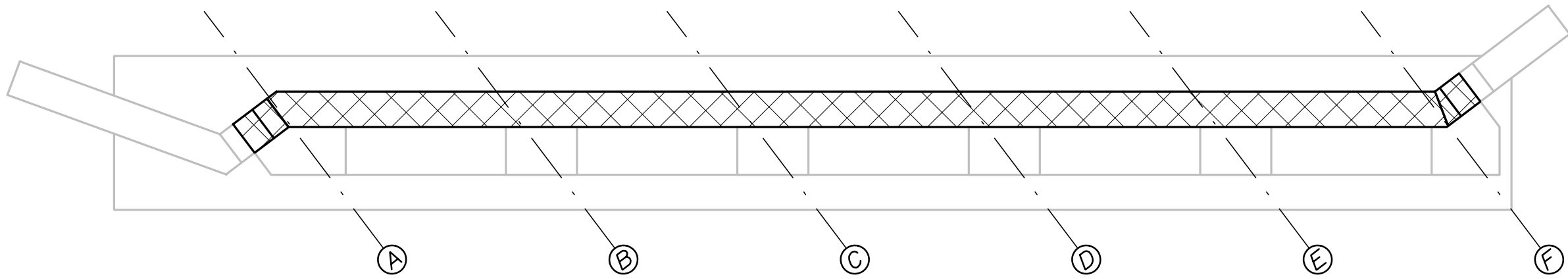
I-95 SB BRIDGE OVER BENEDICTA ROAD BRIDGE NO. 1407 SHERMAN AROOSTOOK COUNTY	PROJ. MANAGER	J. STILLWELL	BY	DATE
	DESIGN-DETAILED	JRS	HTIB	03/18
	CHECKED-REVIEWED	-	J.LL	03/18
	DESIGN2-DETAILED2	-	-	SIGNATURE
ABUTMENT 1 PLANS AND ELEVATIONS	DESIGN3-DETAILED3	-	-	-
	REVISIONS 1	-	-	P.E. NUMBER
	REVISIONS 2	-	-	-
	REVISIONS 3	-	-	-
SHEET NUMBER 8 OF 21	REVISIONS 4	-	-	DATE
	FIELD CHANGES	-	-	-
	STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
BRIDGE NO. 1407				
WIN 022318.00				
BRIDGE PLANS				

BRIDGE NO. 1407

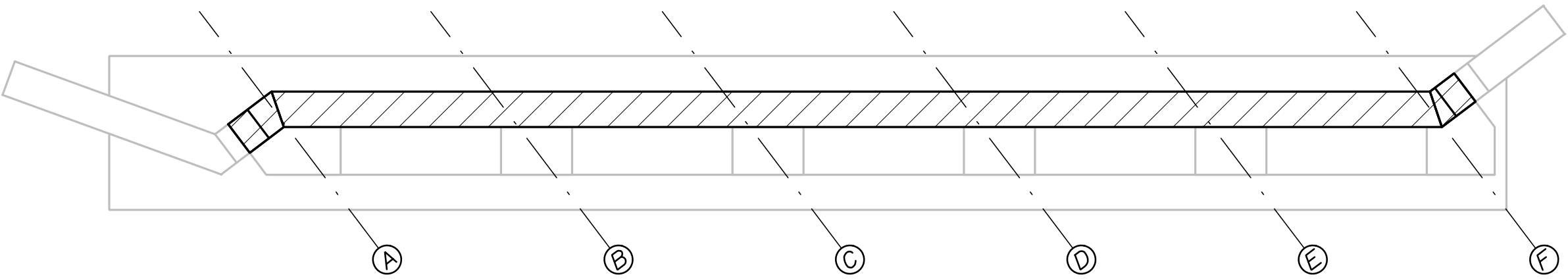
WIN

022318.00

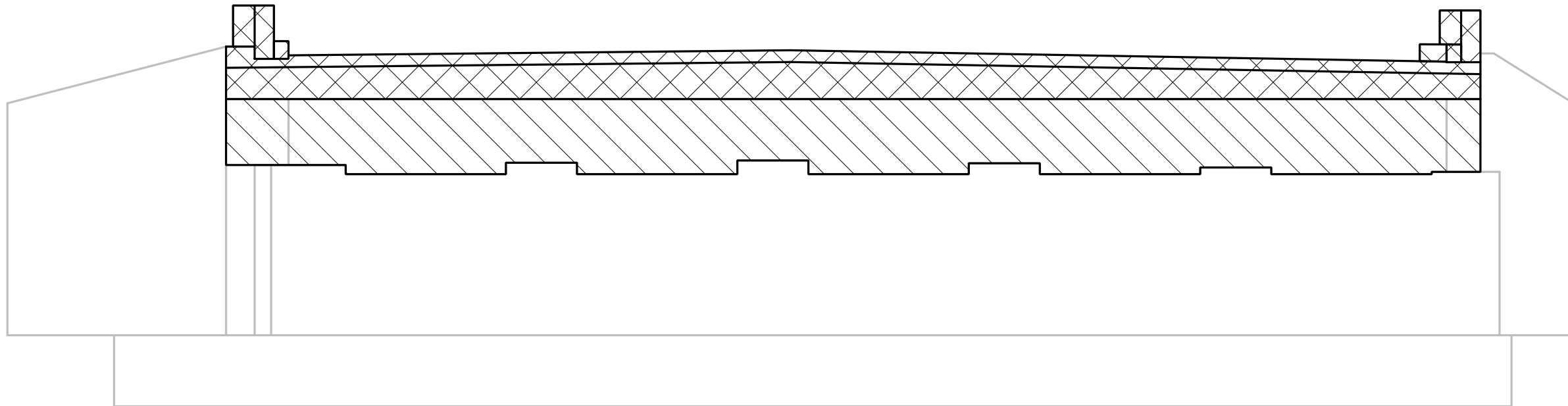
BRIDGE PLANS



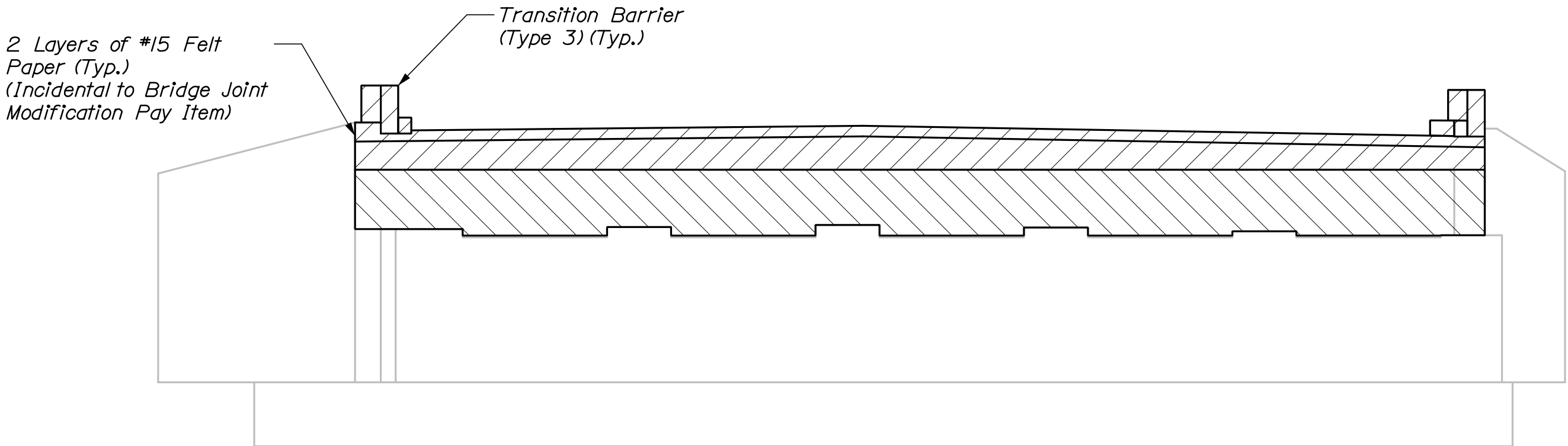
Abutment 2 Demolition Plan



Abutment 2 Proposed Plan



Abutment 2 Demolition Elevation



Abutment 2 Proposed Elevation

Limit of Demolition

Limit of Proposed Backwall

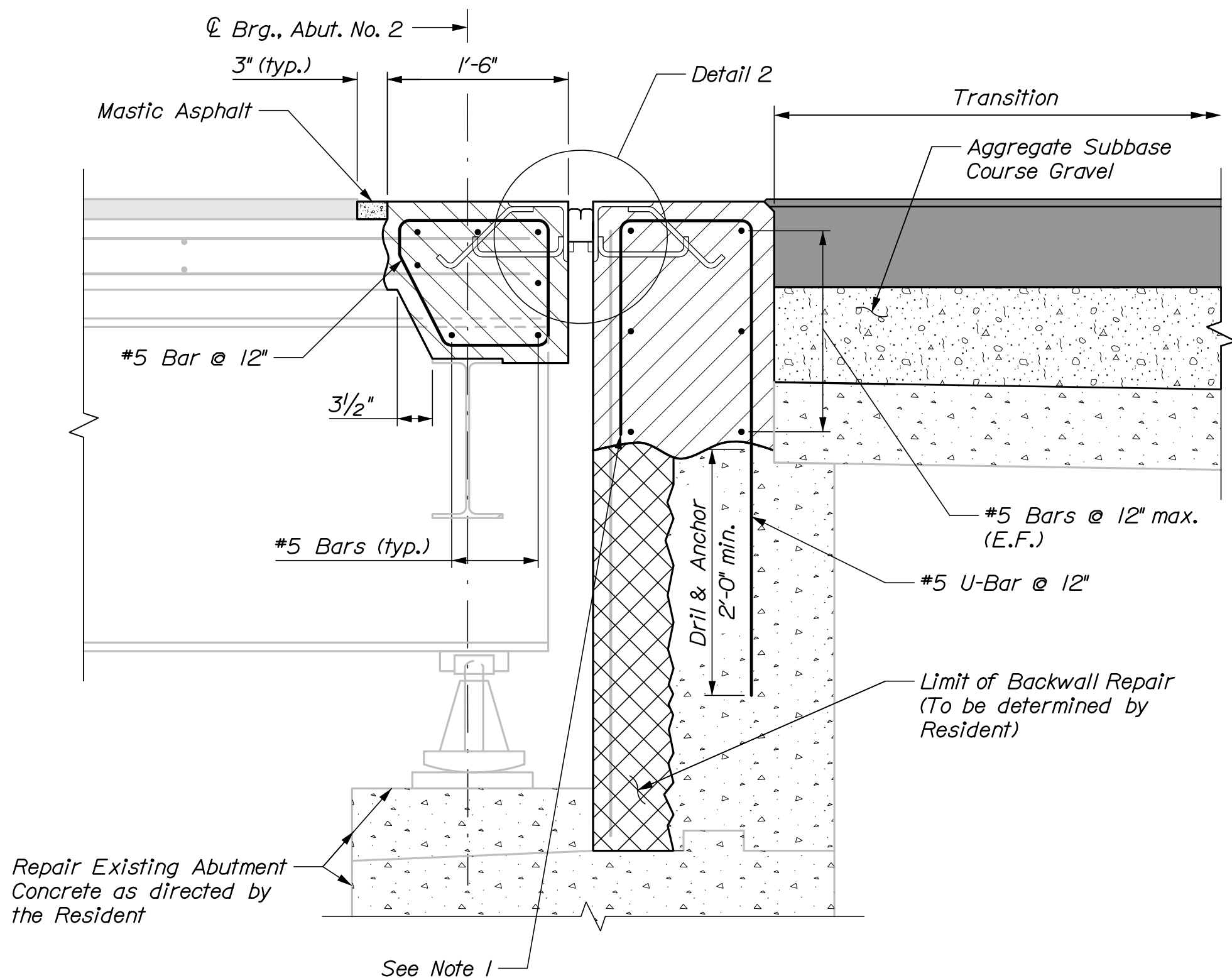
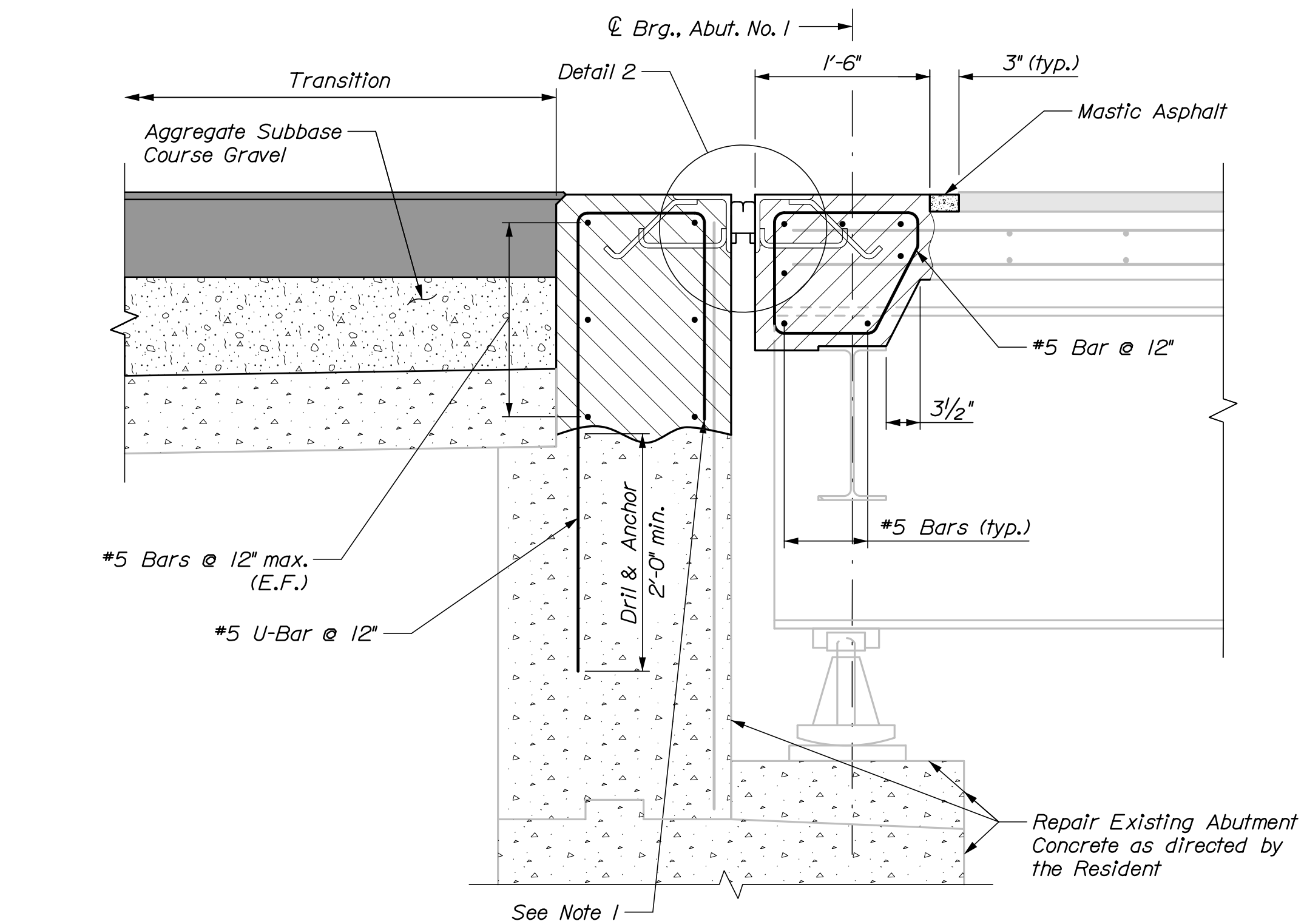
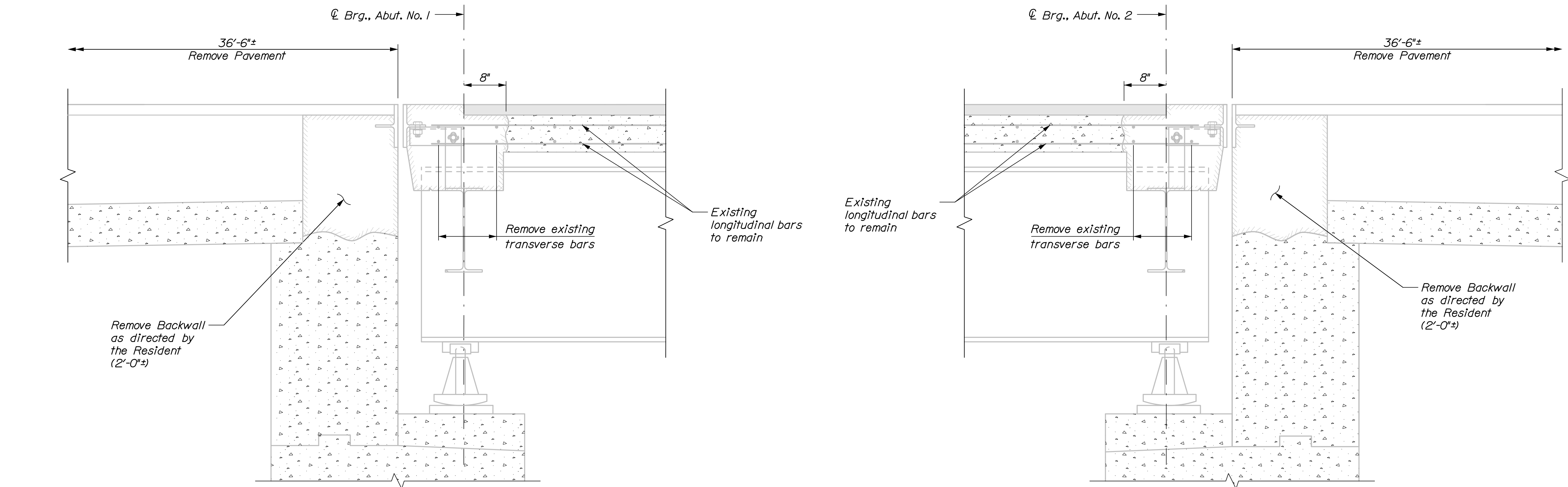
Limit of Backwall Repair
(To be determined by Resident)

I-95 SB BRIDGE OVER BENEDICTA ROAD BRIDGE NO. 1407 SHERMAN AROOSTOOK COUNTY				PROJ. MANAGER J. STILWELL	BY HNTB	DATE 03/18	
ABUTMENT 2 PLANS AND ELEVATIONS				DESIGN-DETAILED	JRS	03/18	
				CHECKED-REVIEWED	-	J.LL	03/18
				DESIGN2-DETAILED2	-	-	
				DESIGN3-DETAILED3	-	-	
				REVISIONS 1	-	-	P.E. NUMBER
				REVISIONS 2	-	-	
				REVISIONS 3	-	-	
				REVISIONS 4	-	-	DATE
				FIELD CHANGES	-	-	
SHEET NUMBER				STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
9				BRIDGE NO. 1407			
OF 21				WIN 022318.00 BRIDGE PLANS			

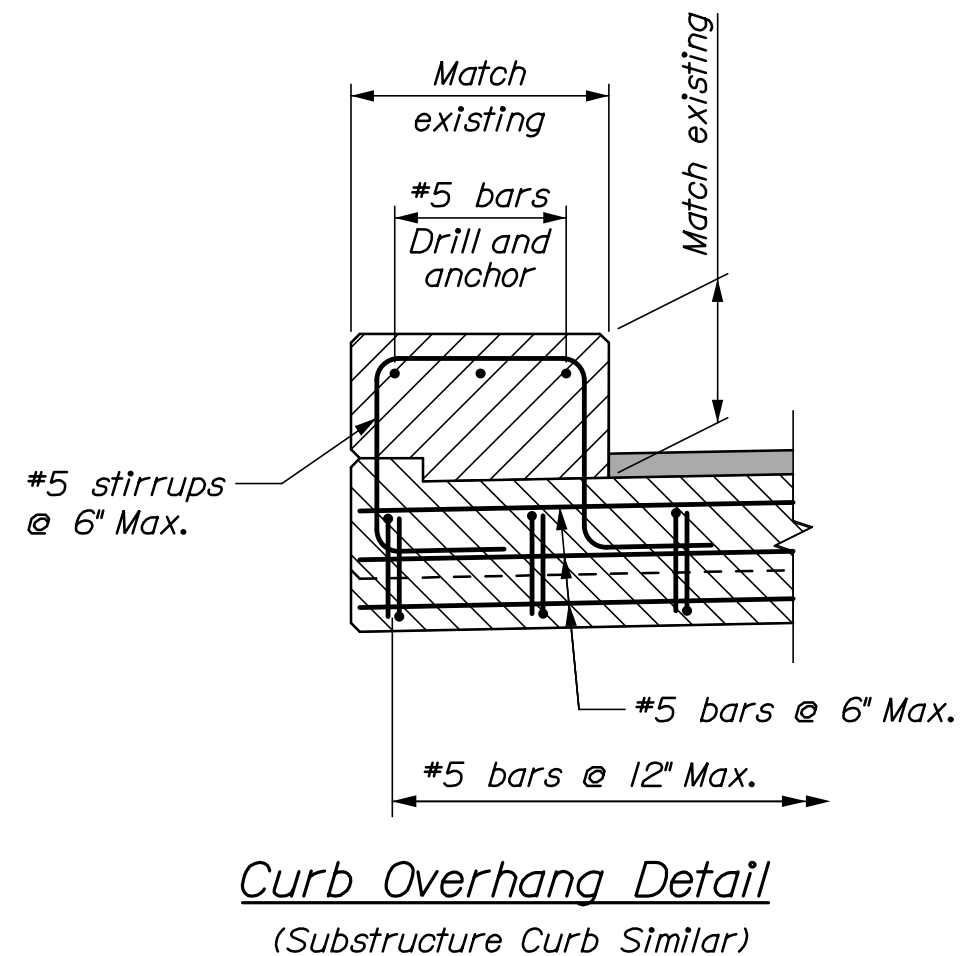
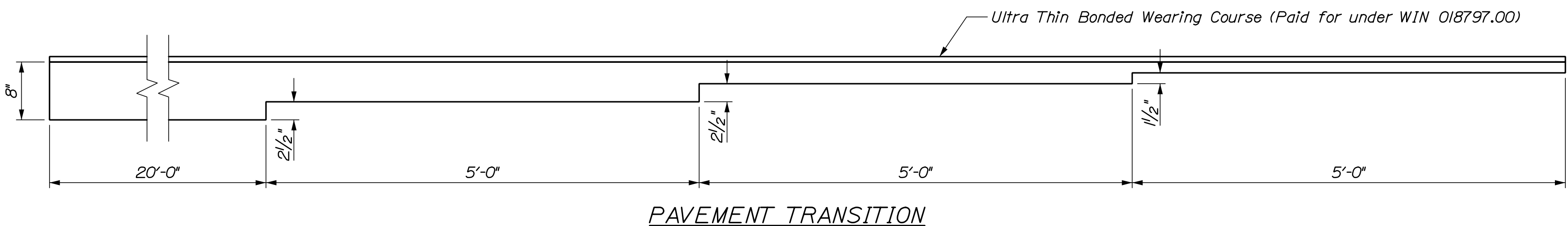
Date: 3/21/2018

Username:

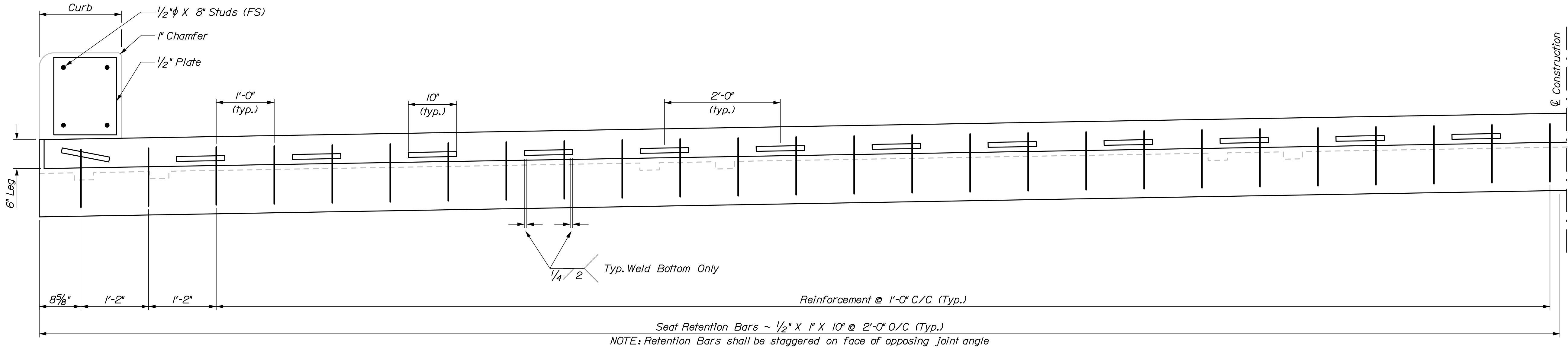
Filename: 010_Sherman-1407-Abutment Details.dgn Division:



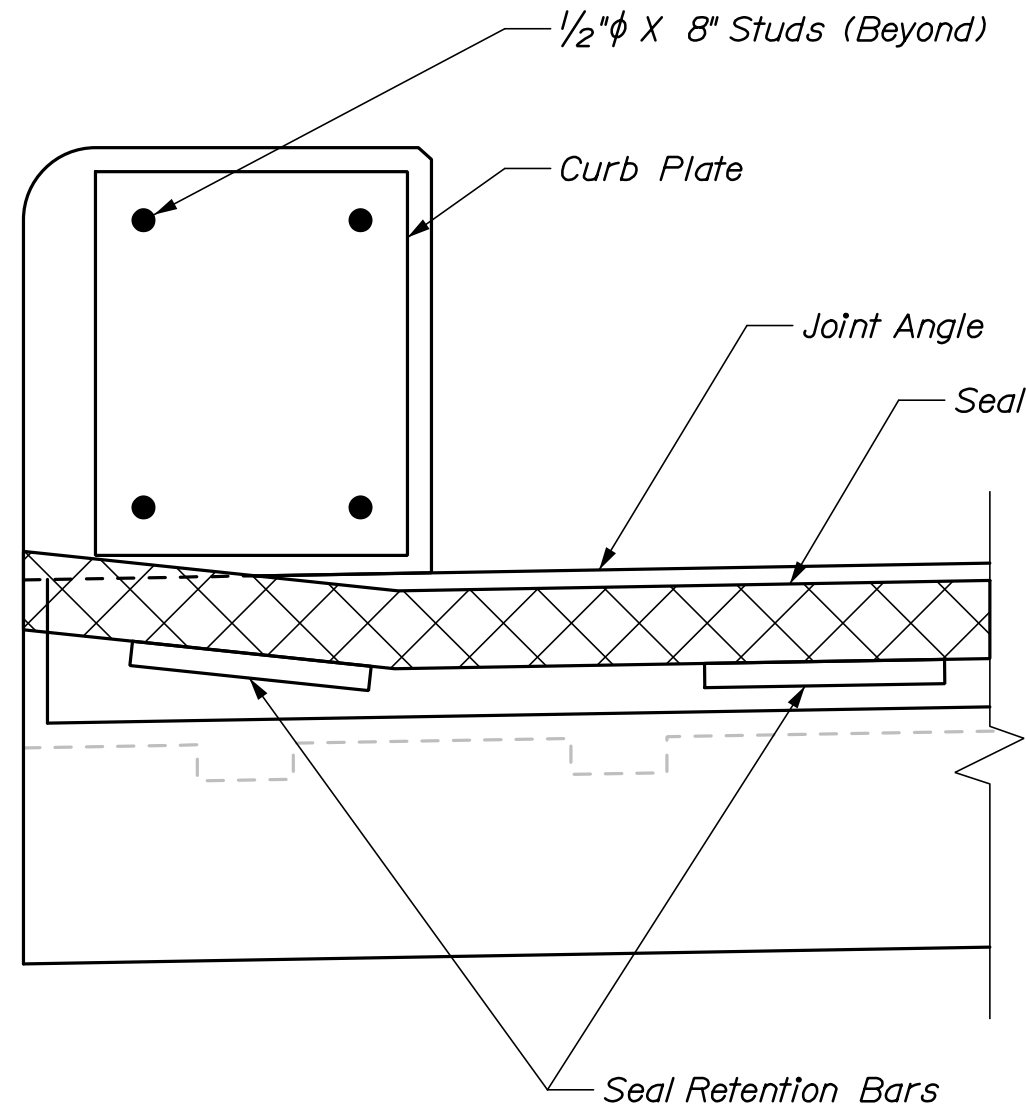
Notes:
1. Field cut reinforcing steel U-bar and tie to existing reinforcing.



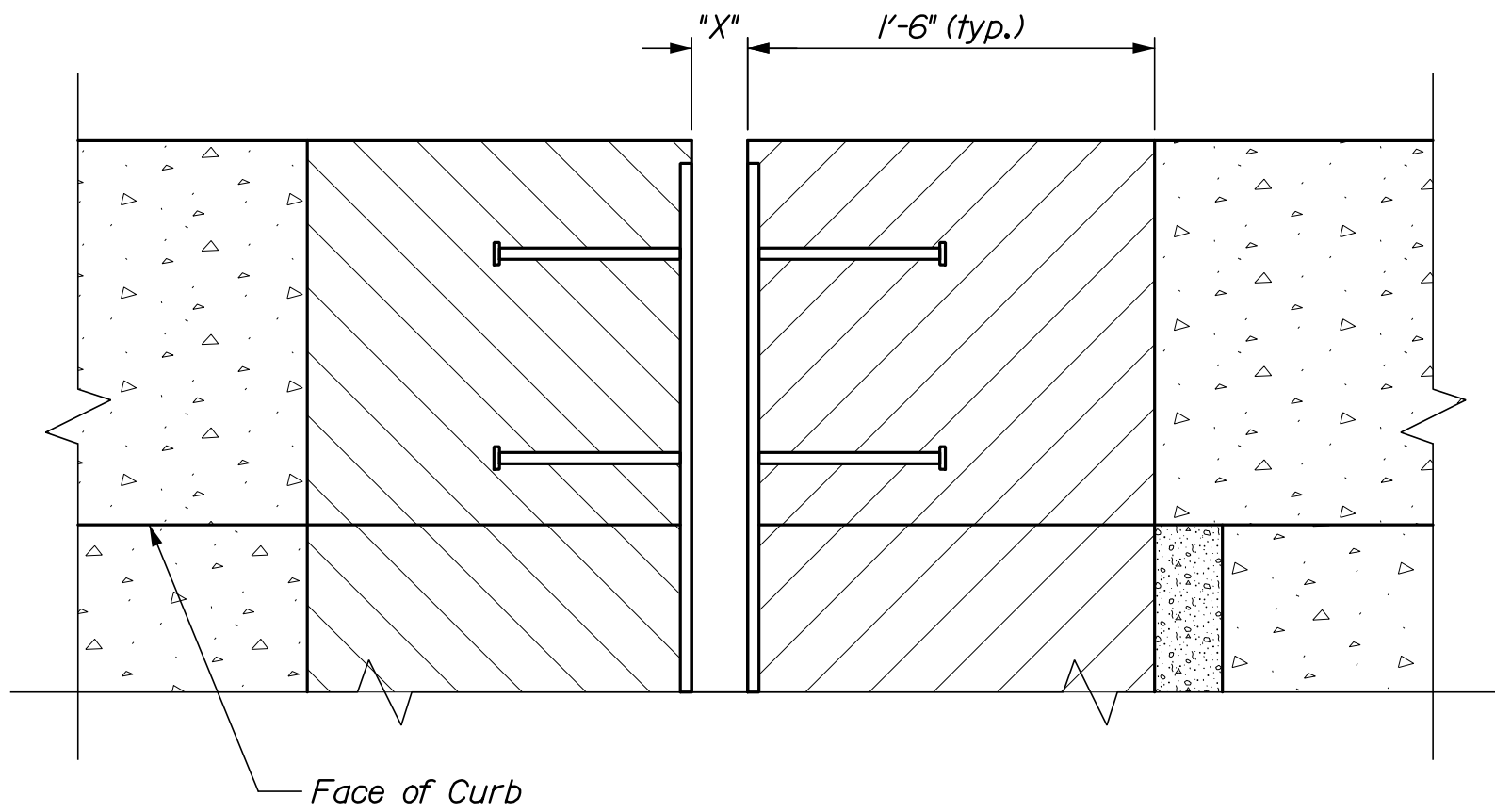
I-95 SB BRIDGE OVER BENEDICTA ROAD BRIDGE NO. 1407 SHERMAN AROOSTOOK COUNTY	STATE OF MAINE DEPARTMENT OF TRANSPORTATION		DATE	BY	J. STILLWELL	PROJ. MANAGER	DESIGN-DETAILED	03/18	03/18	SIGNATURE
			03/18	HTB	JLL	CHECKED-REVIEWED	DESIGN-DETAILED	03/18	03/18	P.E. NUMBER
						DESIGN-DETAILED	DESIGN-DETAILED			DATE
ABUTMENT DETAILS			REVISIONS 1	-	-	REVISIONS 2	-	-	-	
			REVISIONS 3	-	-	REVISIONS 4	-	-	-	
			FIELD CHANGES	-	-					
SHEET NUMBER		10		OF 21		BRIDGE NO. 1407		WIN 022318.00		BRIDGE PLANS



Transverse Joint Section



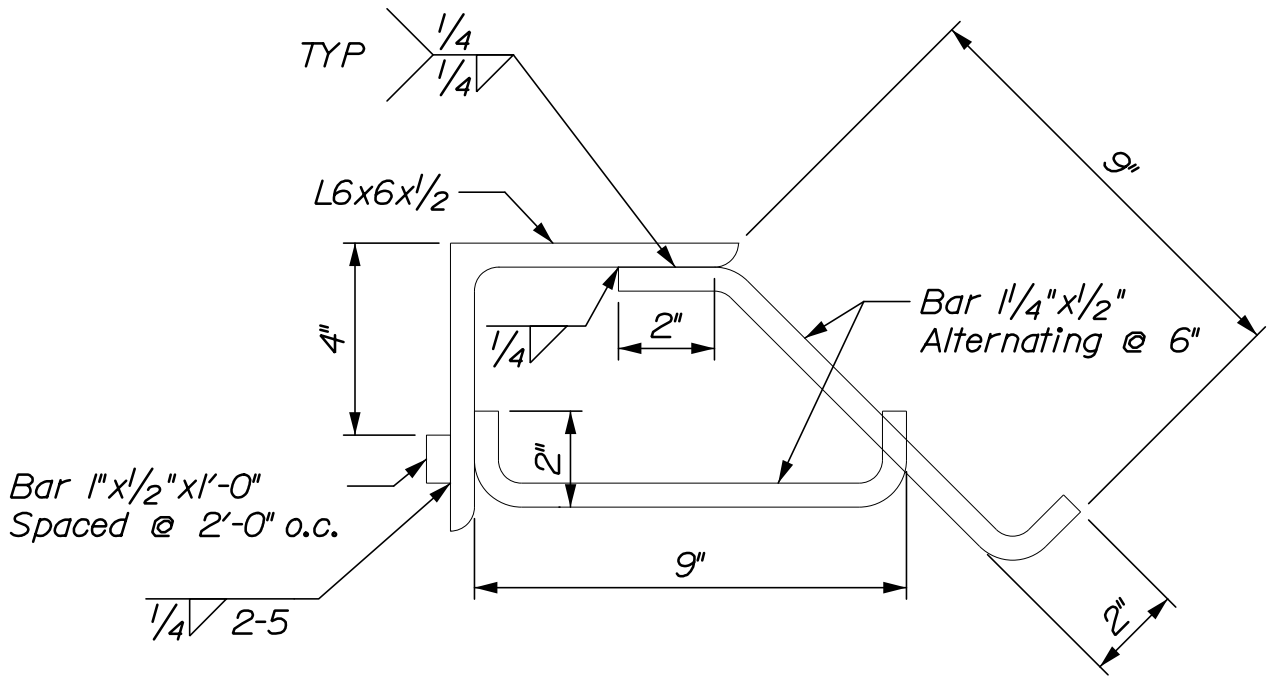
Joint Seal and Plate Detail



Curb Plan Joint Modification

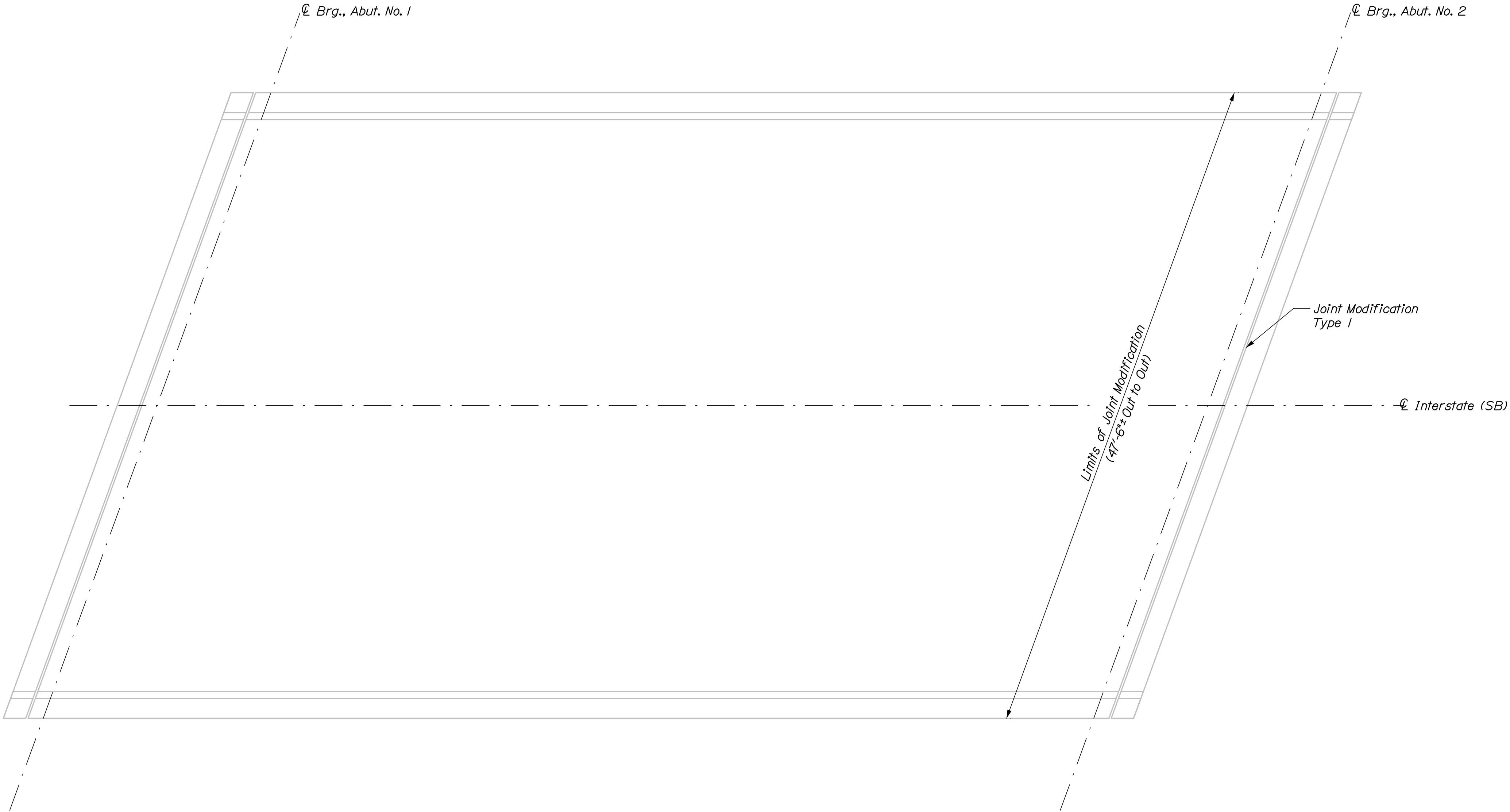
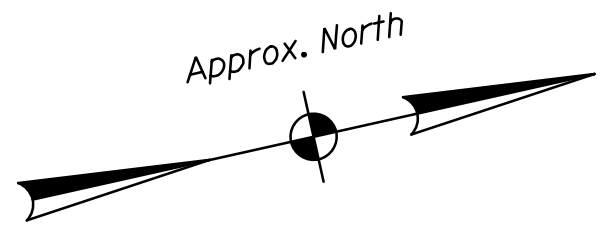
NOTES:

1. 3/4" witness holes shall be provided at 12" spacing along top of joint armor.



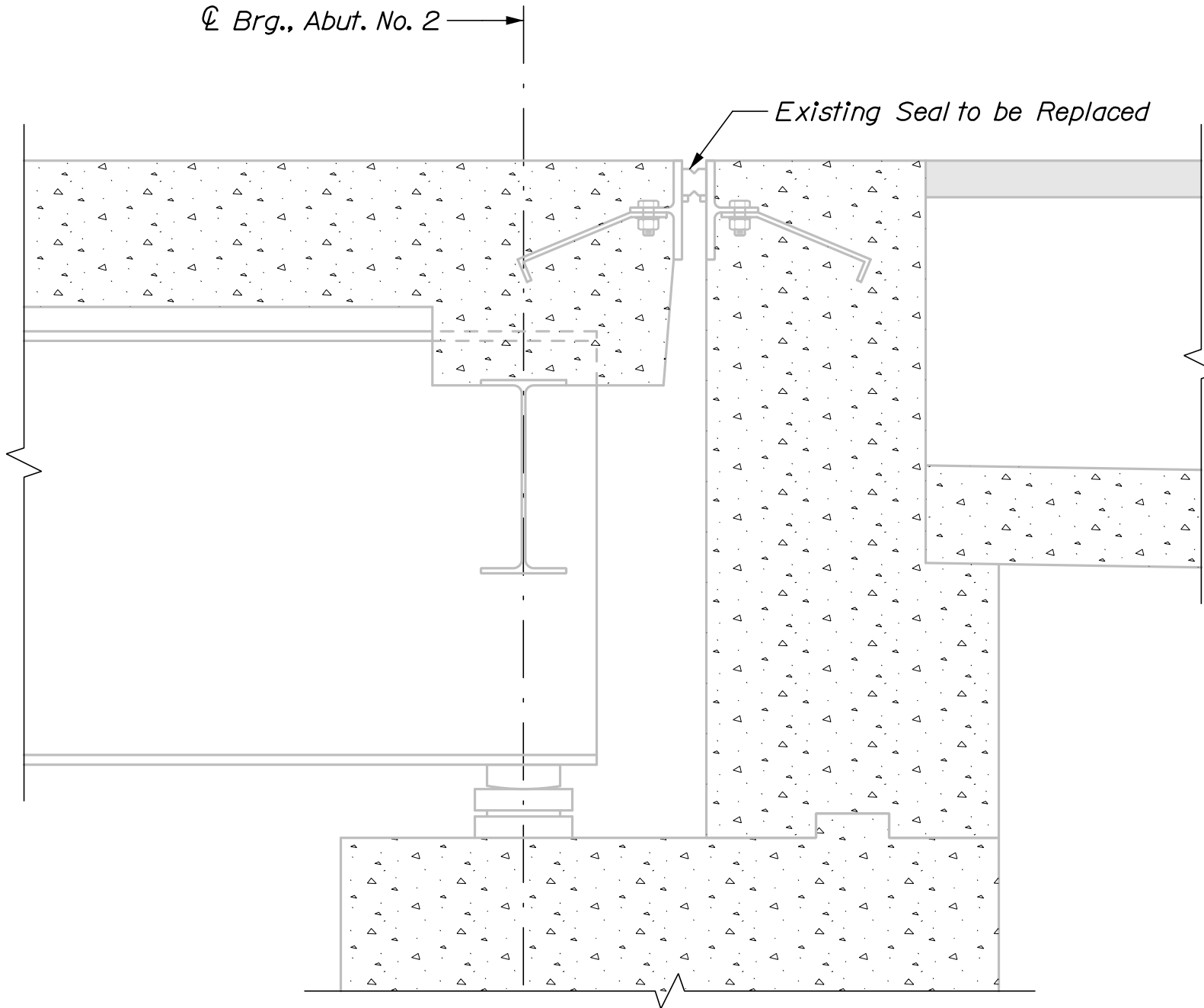
Joint Armor Detail

I-95 SB BRIDGE OVER BENEDICTA ROAD BRIDGE NO. 1407 SHERMAN AROOSTOOK COUNTY	STATE OF MAINE DEPARTMENT OF TRANSPORTATION		DATE	BY	J. STILLWELL	PROJ. MANAGER	DESIGN-DETAILED	IFS	HTB	03/18
	SIGNATURE		DATE	BY	J. STILLWELL	PROJ. MANAGER	CHECKED-REVIEWED	-	JLL	03/18
	P.E. NUMBER		DATE	BY	-	DESIGN-DETAILED	DESIGN-DETAILED	-	-	-
ARMORED JOINT DETAILS	BRIDGE NO. 1407		REVISIONS 1	-	-	REVISIONS 1	-	-	-	-
	WIN		REVISIONS 2	-	-	REVISIONS 2	-	-	-	-
	022318.00		REVISIONS 3	-	-	REVISIONS 3	-	-	-	-
BRIDGE PLANS		BRIDGE NO. 1407	REVISIONS 4	-	-	REVISIONS 4	-	-	-	-
FIELD CHANGES		-	FIELD CHANGES	-	-	FIELD CHANGES	-	-	-	-

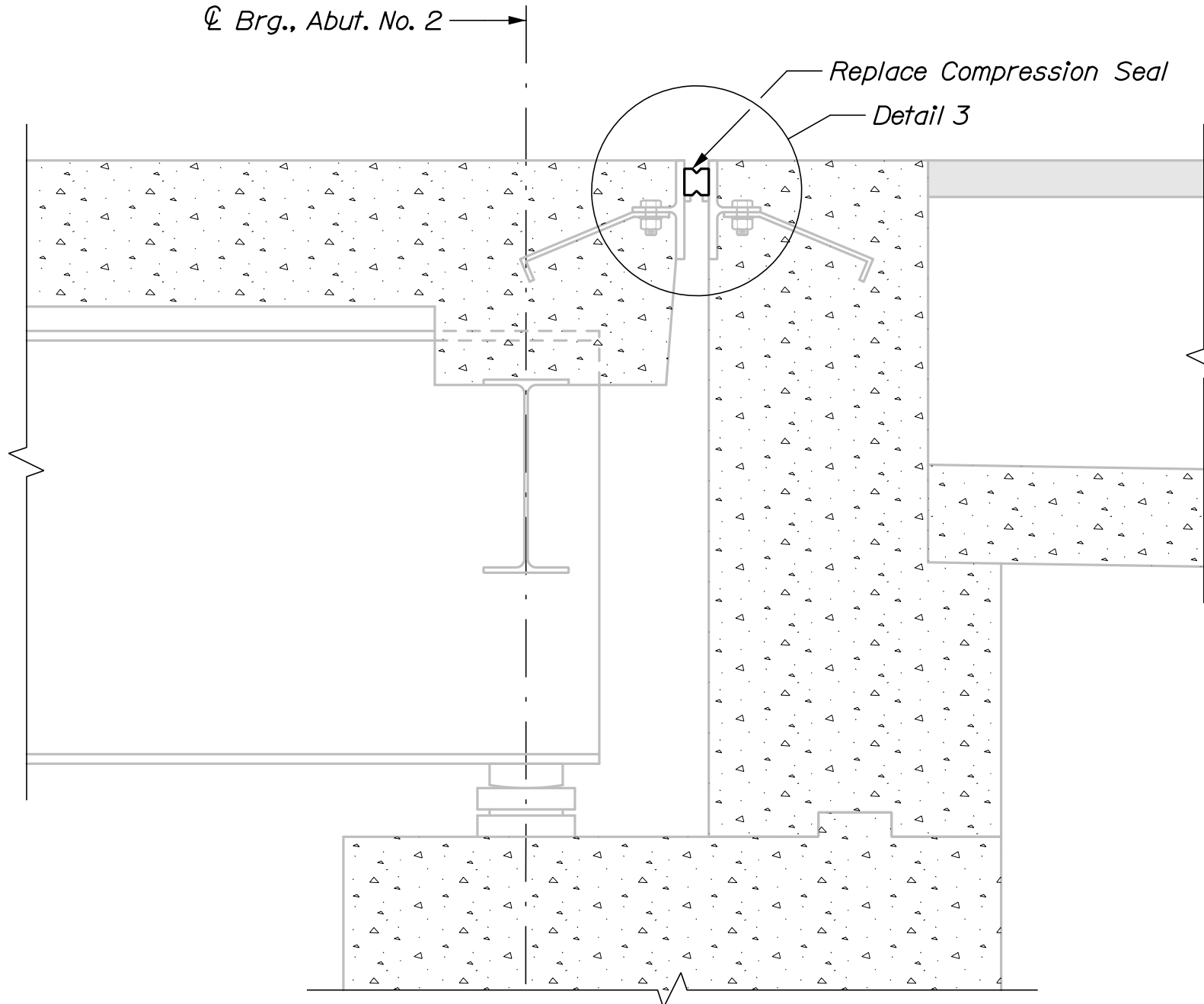


SUPERSTRUCTURE PLAN - I-95 SB OVER SALMON STREAM BRIDGE (1409)

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	PROJ. MANAGER	J. STILLWELL	BY	DATE	SIGNATURE
	DESIGN-DETAILED	JRS	HNTB	03/18	
	CHECKED-REVIEWED	-	JLL	03/18	
	DESIGN-DETAILED	-	-	-	P.E. NUMBER
	REVISIONS 1	-	-	-	
	REVISIONS 2	-	-	-	
BRIDGE NO. 1409	REVISIONS 3	-	-	-	DATE
	REVISIONS 4	-	-	-	
	FIELD CHANGES	-	-	-	
WIN	022318.00				BRIDGE PLANS

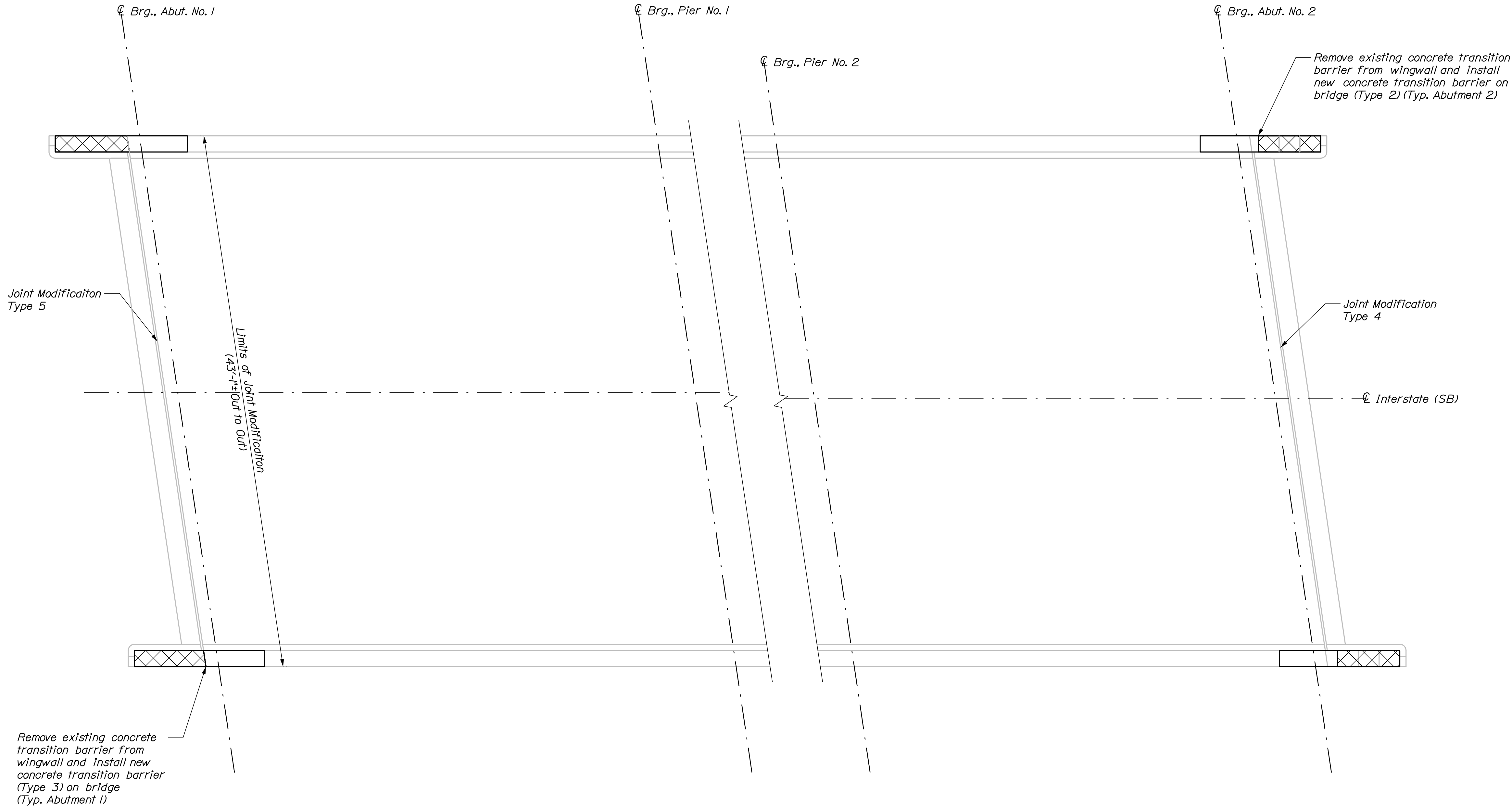
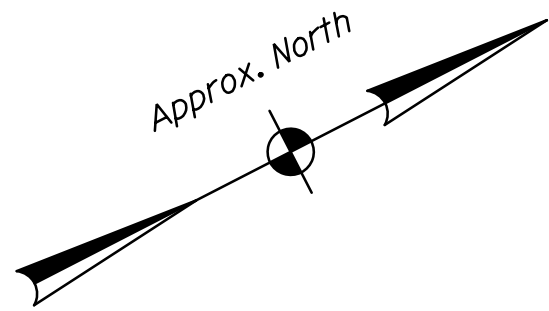


ABUTMENT NO. 2 JOINT DEMOLITION



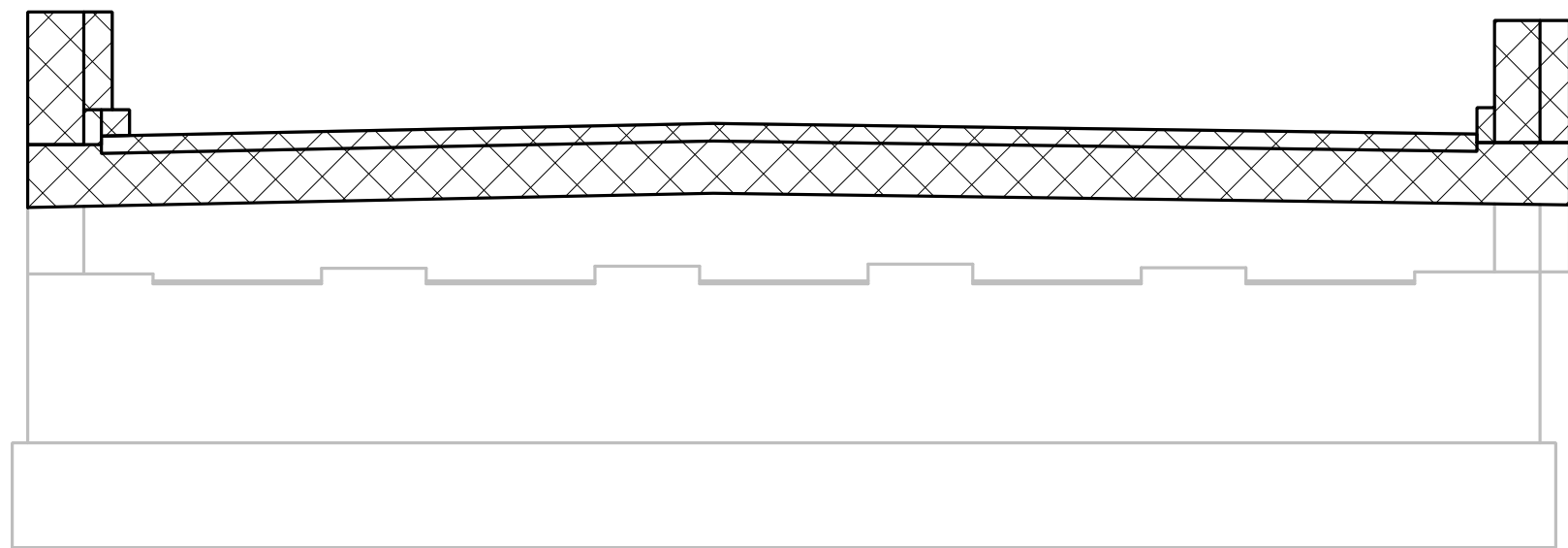
ABUTMENT NO. 2 JOINT MODIFICATION

I-95 SB BRIDGE OVER SALMON STREAM BRIDGE NO. 1409 MEDWAY PENOBSCOT COUNTY	SHEET NUMBER			STATE OF MAINE			
	13 OF 21			DEPARTMENT OF TRANSPORTATION			
				BRIDGE NO. 1409	WIN	022318.00	BRIDGE PLANS
ABUTMENT DETAILS				DESIGN-DETAILED	JRS	03/18	SIGNATURE
				CHECKED-REVIEWED	HTB	03/18	
				DESIGN-DETAILED	JLL	-	
				DESIGN-DETAILED	-	-	
				REVISIONS 1	-	-	P.E. NUMBER
				REVISIONS 2	-	-	
				REVISIONS 3	-	-	DATE
				REVISIONS 4	-	-	
				FIELD CHANGES	-	-	

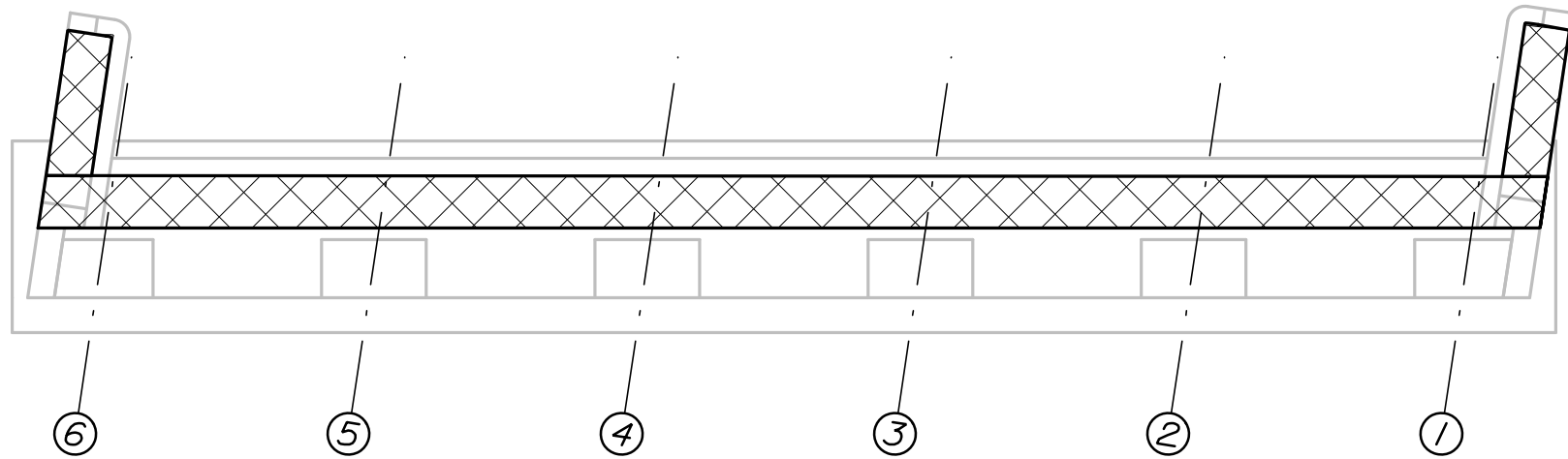


SUPERSTRUCTURE PLAN - I-95 SB OVER ROUTE 116 BRIDGE (1411)

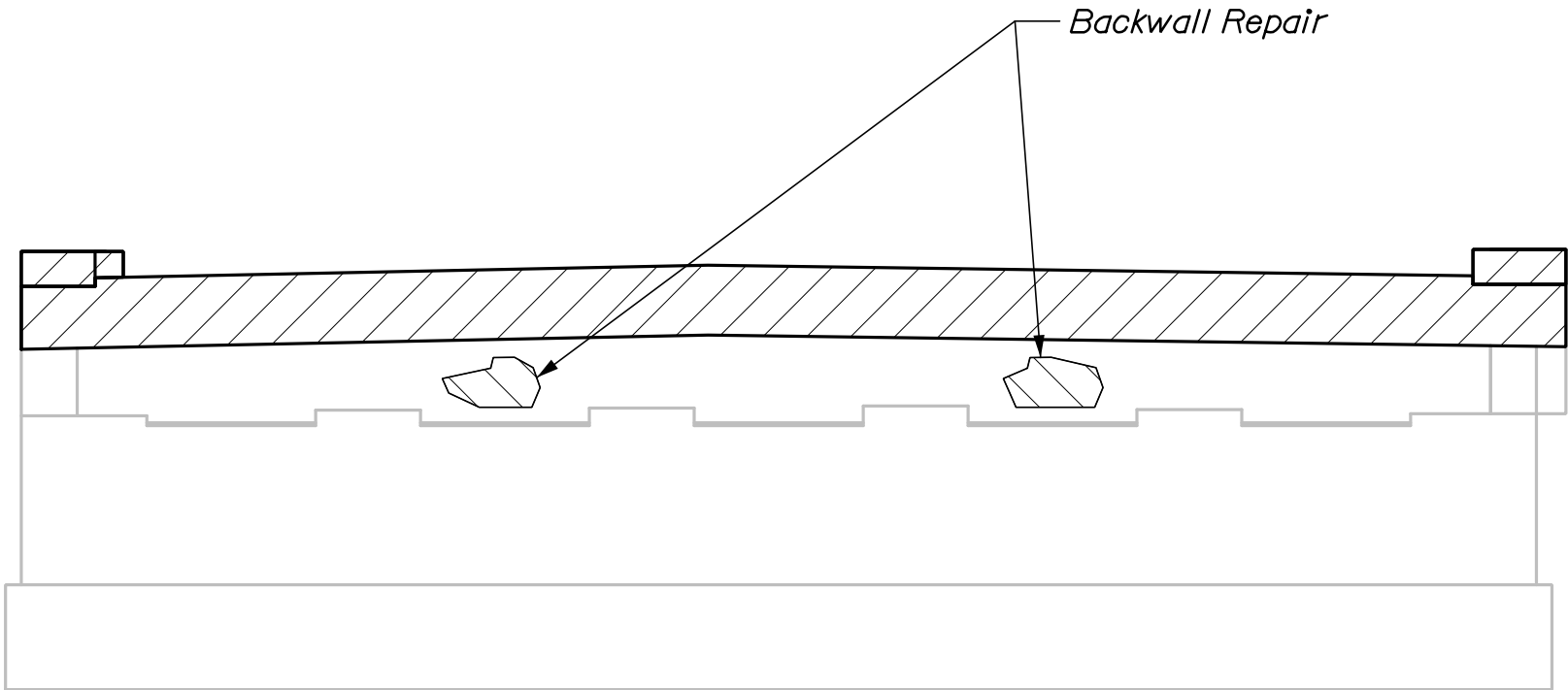
14 OF 21		SHEET NUMBER		I-95 SB BRIDGE OVER ROUTE 116 BRIDGE NO. 1411 MEDWAY		PENOBSCOT COUNTY		PLAN VIEW		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
								SIGNATURE			
								P.E. NUMBER			
								DATE		WIN 022318.00	
										BRIDGE NO. 1411 BRIDGE PLANS	



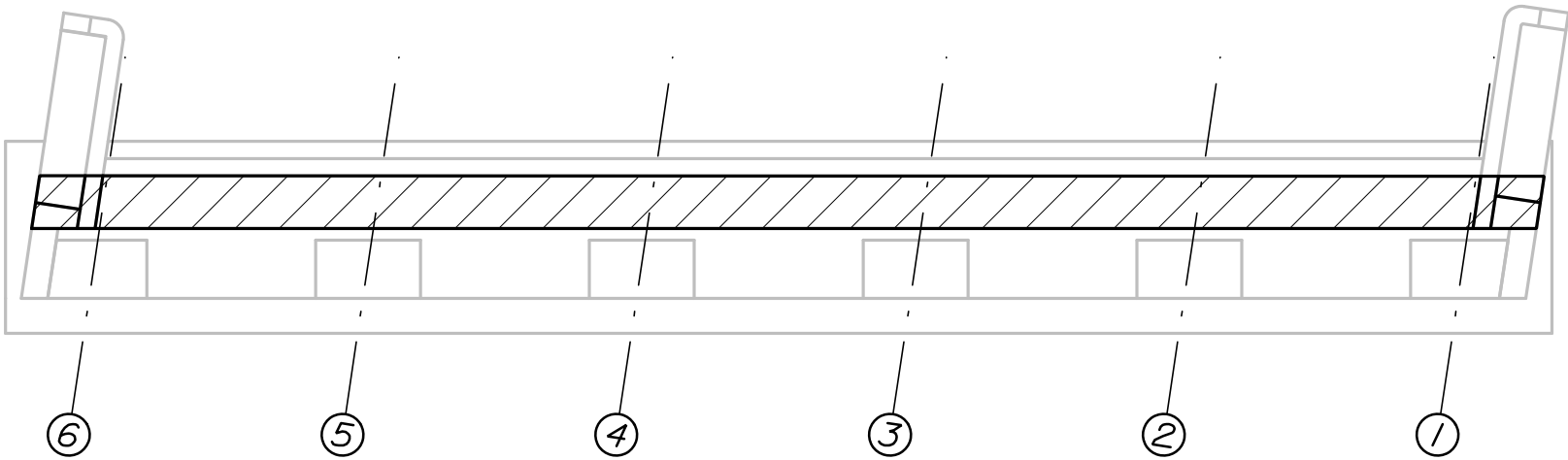
Abutment I Demolition Elevation



Abutment I Demolition Plan



Abutment I Proposed Elevation



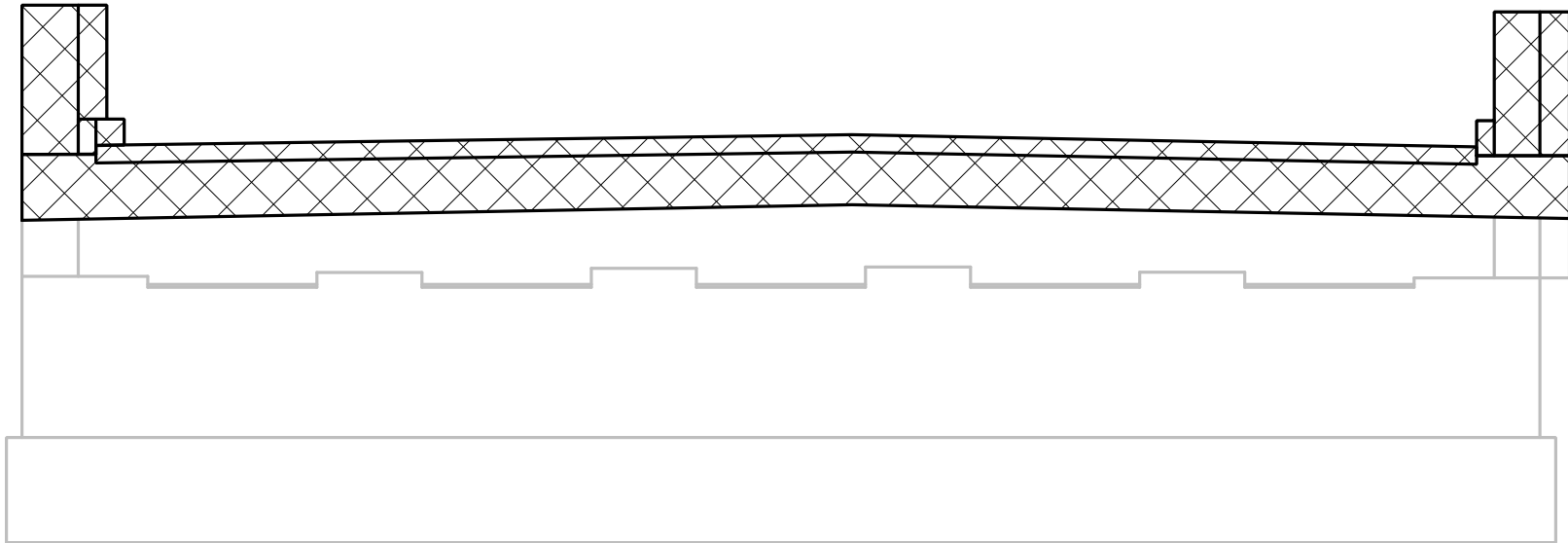
Abutment I Proposed Plan

Limit of Demolition

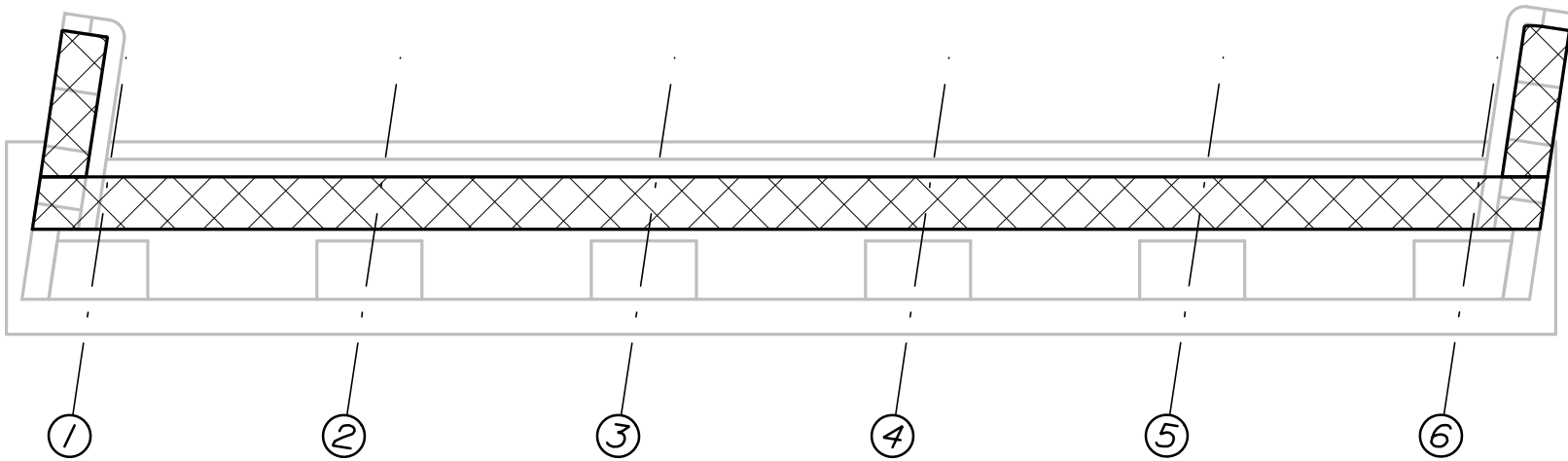
Limit of Proposed Backwall

Limit of Backwall Repair
(To be determined by Resident)

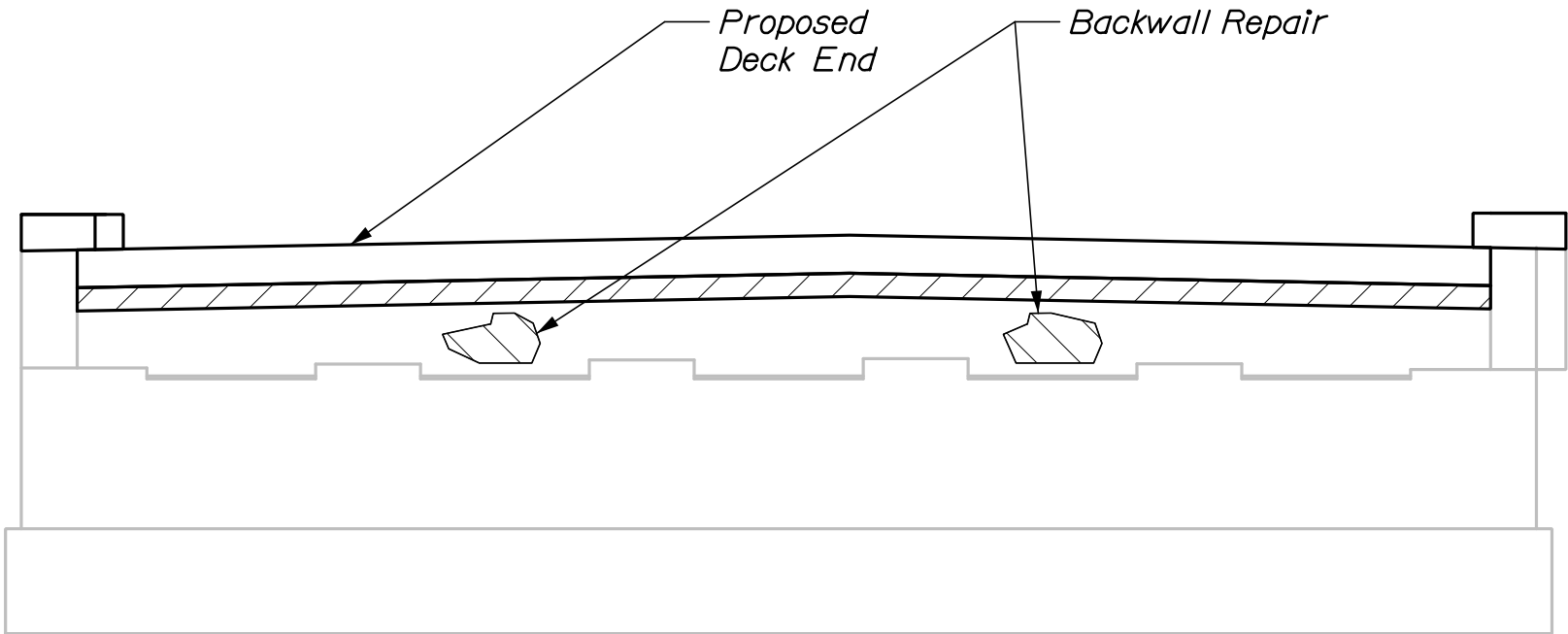
I-95 SB BRIDGE OVER ROUTE 116 BRIDGE NO. 1411 MEDWAY PENOBSCOT COUNTY	STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
ABUTMENT 1 PLANS AND ELEVATIONS	PROJ. MANAGER	J. STILLWELL	BY	DATE
	DESIGN-DETAILED	JRS	HNTB	03/18
	CHECKED-REVIEWED	-	JLL	03/18
	DESIGN-DETAILED	-	-	-
	DESIGN-DETAILED	-	-	-
SHEET NUMBER 15 OF 21	REVISIONS 1	-	-	SIGNATURE
	REVISIONS 2	-	-	P.E. NUMBER
	REVISIONS 3	-	-	DATE
	REVISIONS 4	-	-	-
	FIELD CHANGES	-	-	-
BRIDGE NO. 1411		WIN	022318.00	BRIDGE PLANS



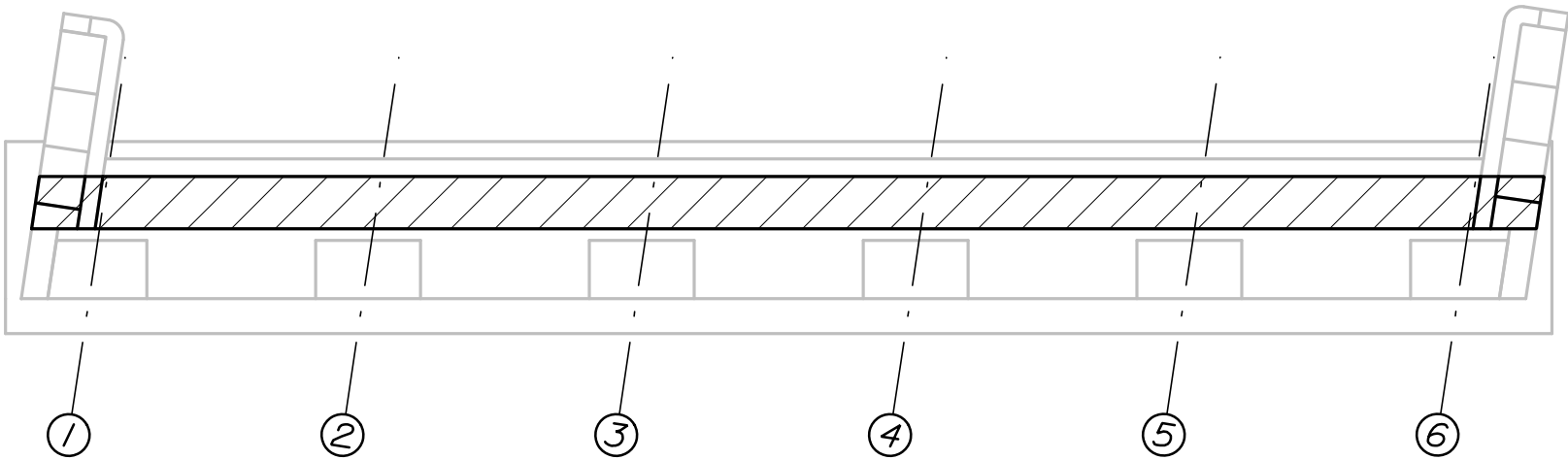
Abutment 2 Demolition Elevation



Abutment 2 Demolition Plan



Abutment 2 Proposed Elevation



Abutment 2 Proposed Plan

Limit of Demolition

Limit of Proposed Backwall

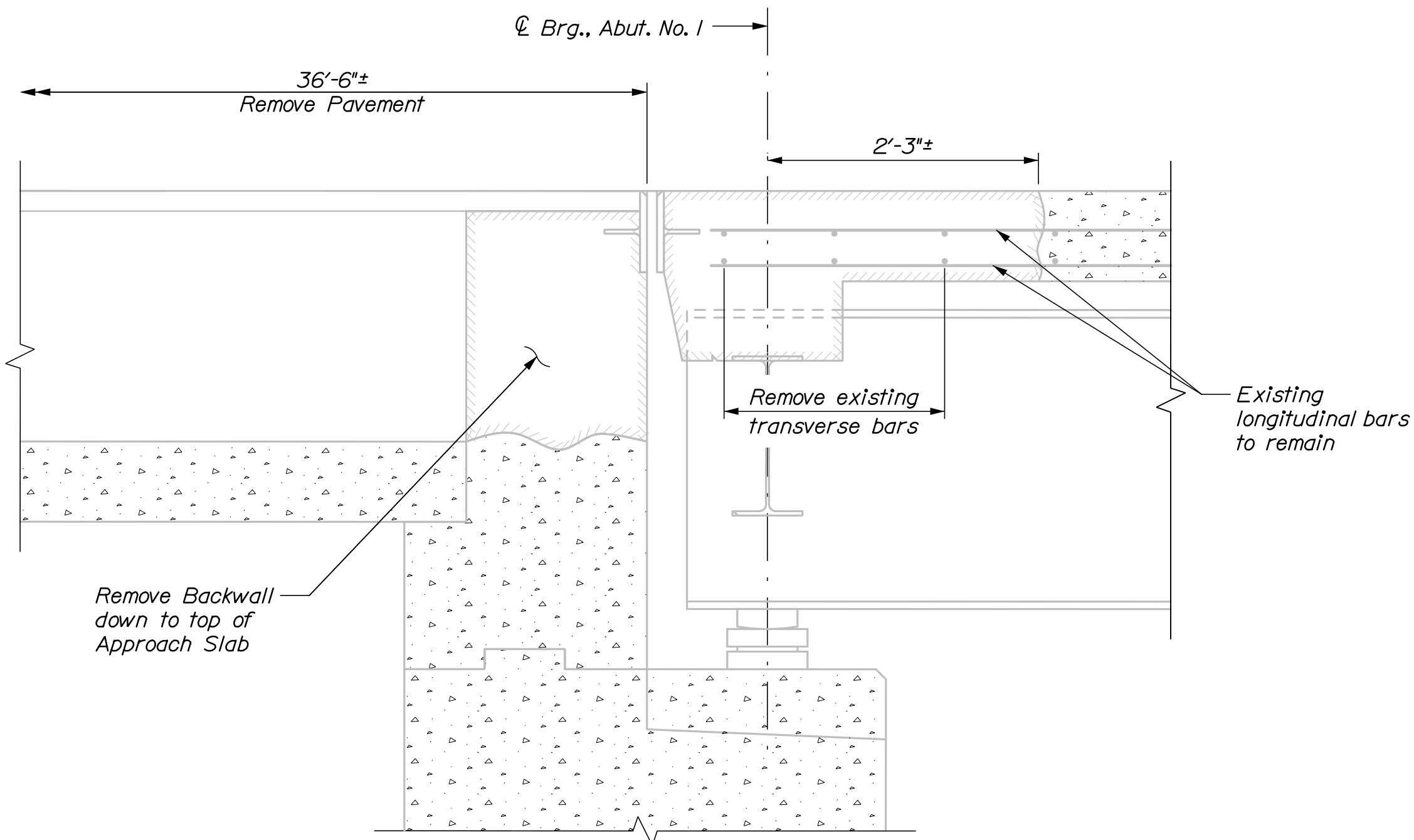
Limit of Backwall Repair
(To be determined by Resident)

I-95 SB BRIDGE OVER ROUTE 116 BRIDGE NO. 1411 MEDWAY PENOBSCOT COUNTY				PROJ. MANAGER J. STILLWELL		BY HNTB	DATE 03/18
ABUTMENT 2 PLANS AND ELEVATIONS				DESIGN-DETAILED JRS		SIGNATURE	03/18
				CHECKED-REVIEWED -			
				DESIGN2-DETAILED2 -			
				DESIGN3-DETAILED3 -			
				REVISIONS 1 -			
				REVISIONS 2 -		P.E. NUMBER	
				REVISIONS 3 -			
				REVISIONS 4 -			
				FIELD CHANGES -			
SHEET NUMBER 16						DATE	
OF 21						BRIDGE NO. 1411	
						WIN	
						022318.00	
						BRIDGE PLANS	

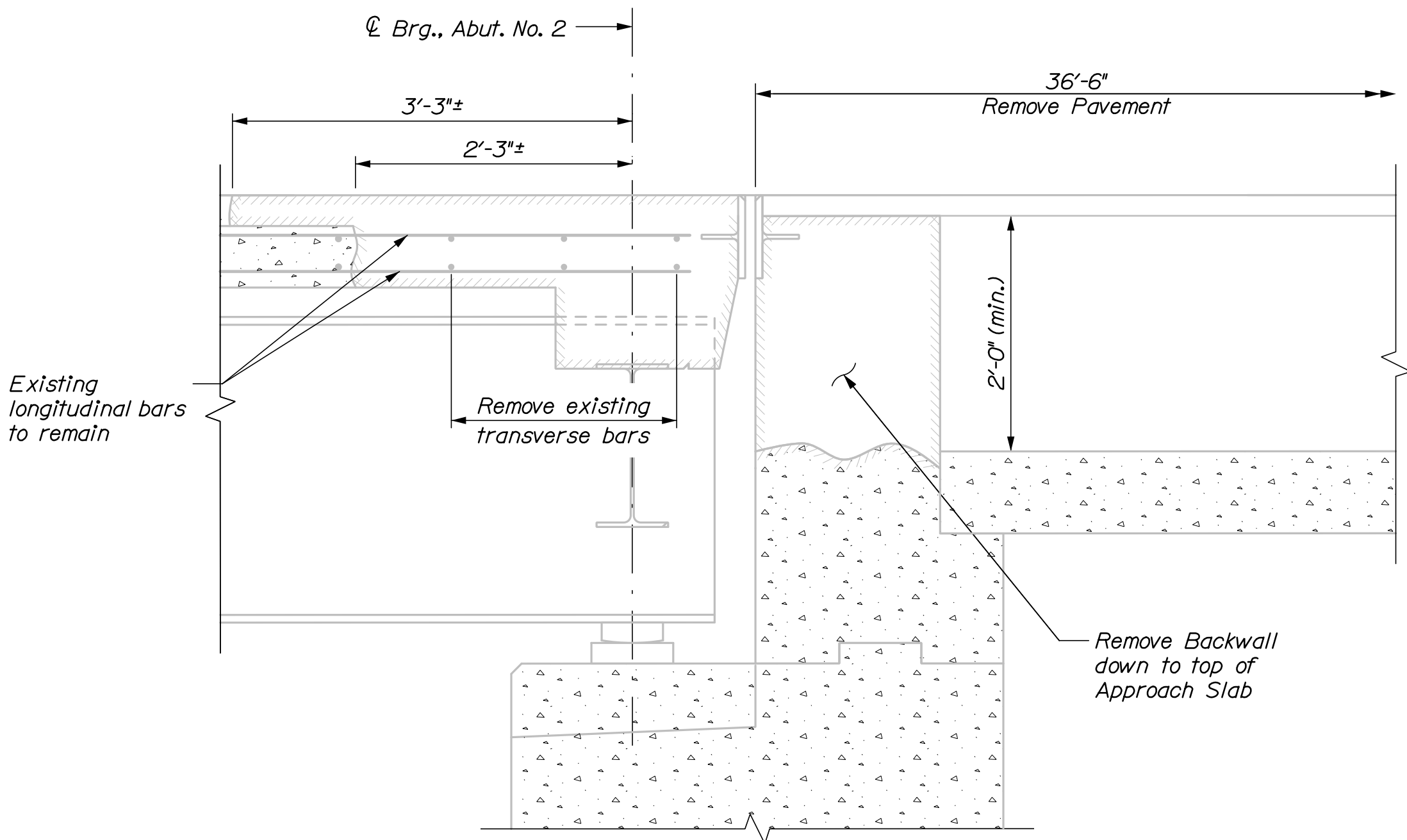
Date: 3/23/2018

Username:

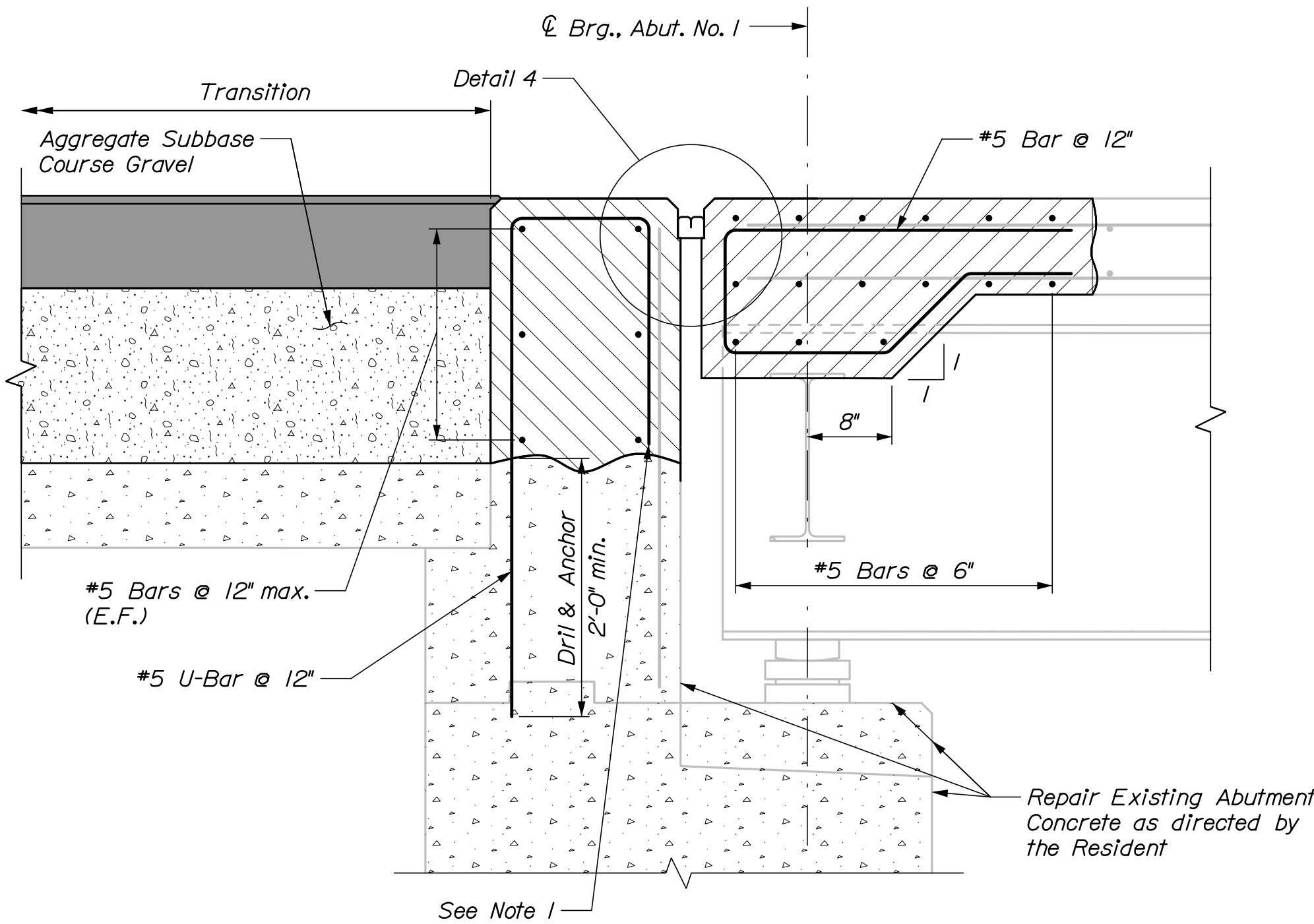
Division: 017_Medway-1411-Abutment Details.dgn



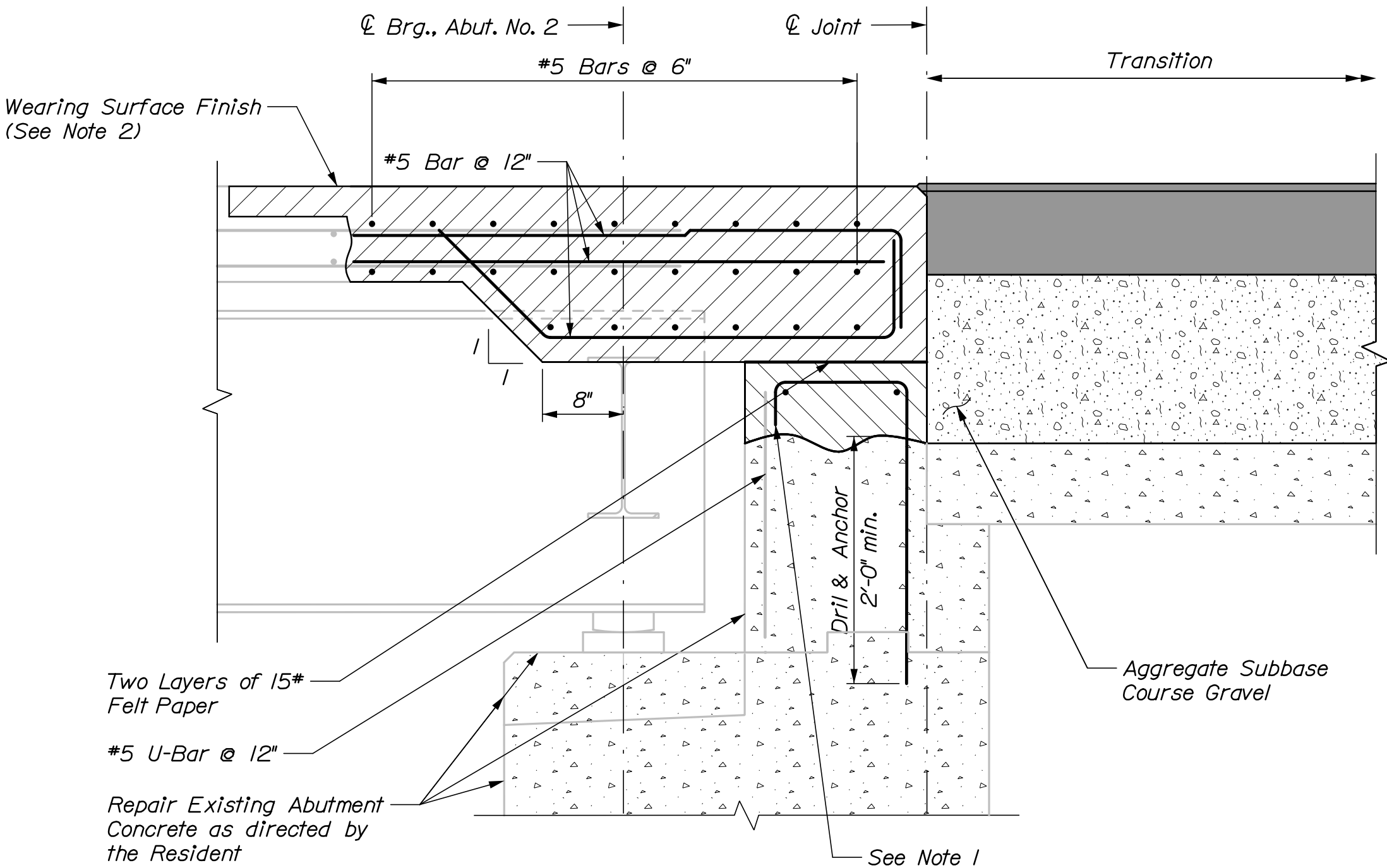
ABUTMENT NO. 1 JOINT DEMOLITION



ABUTMENT NO. 2 JOINT DEMOLITION

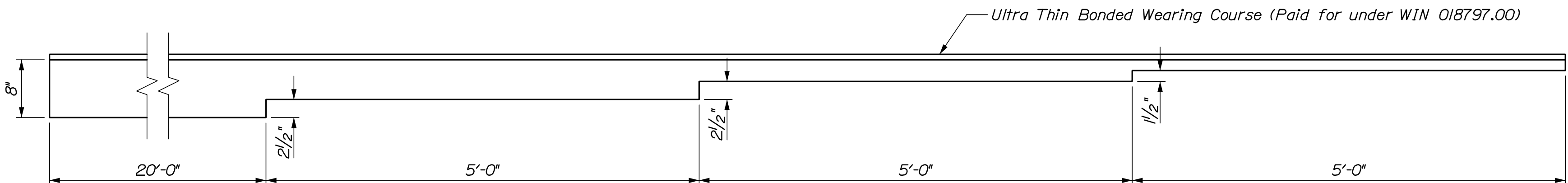


ABUTMENT NO. 1 JOINT MODIFICATION

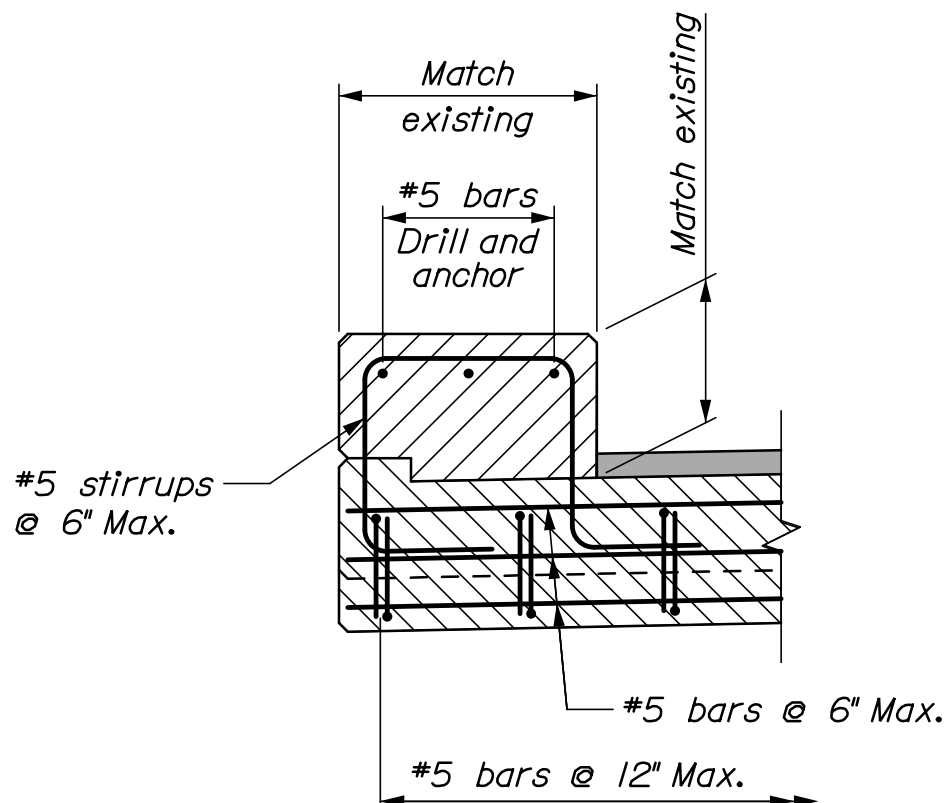


ABUTMENT NO. 2 JOINT MODIFICATION

- Notes:**
1. Field cut reinforcing steel U-bar and tie to existing reinforcing.
 2. Concrete surface shall receive a raked finish per specifications.

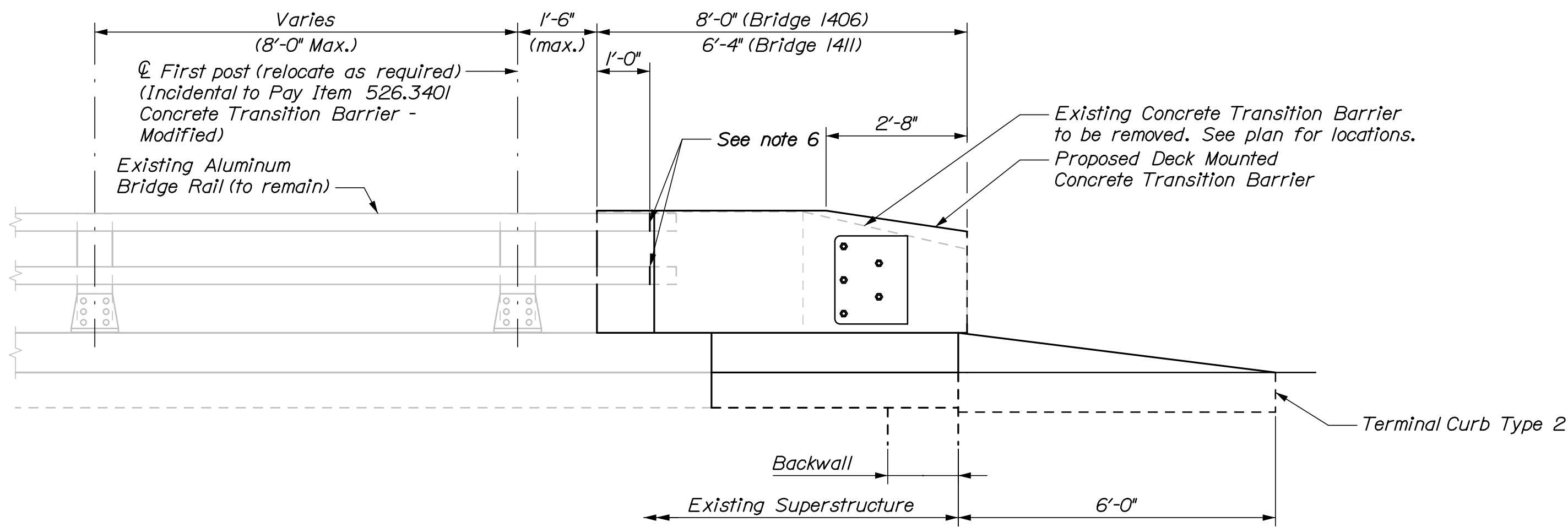


PAVEMENT TRANSITION

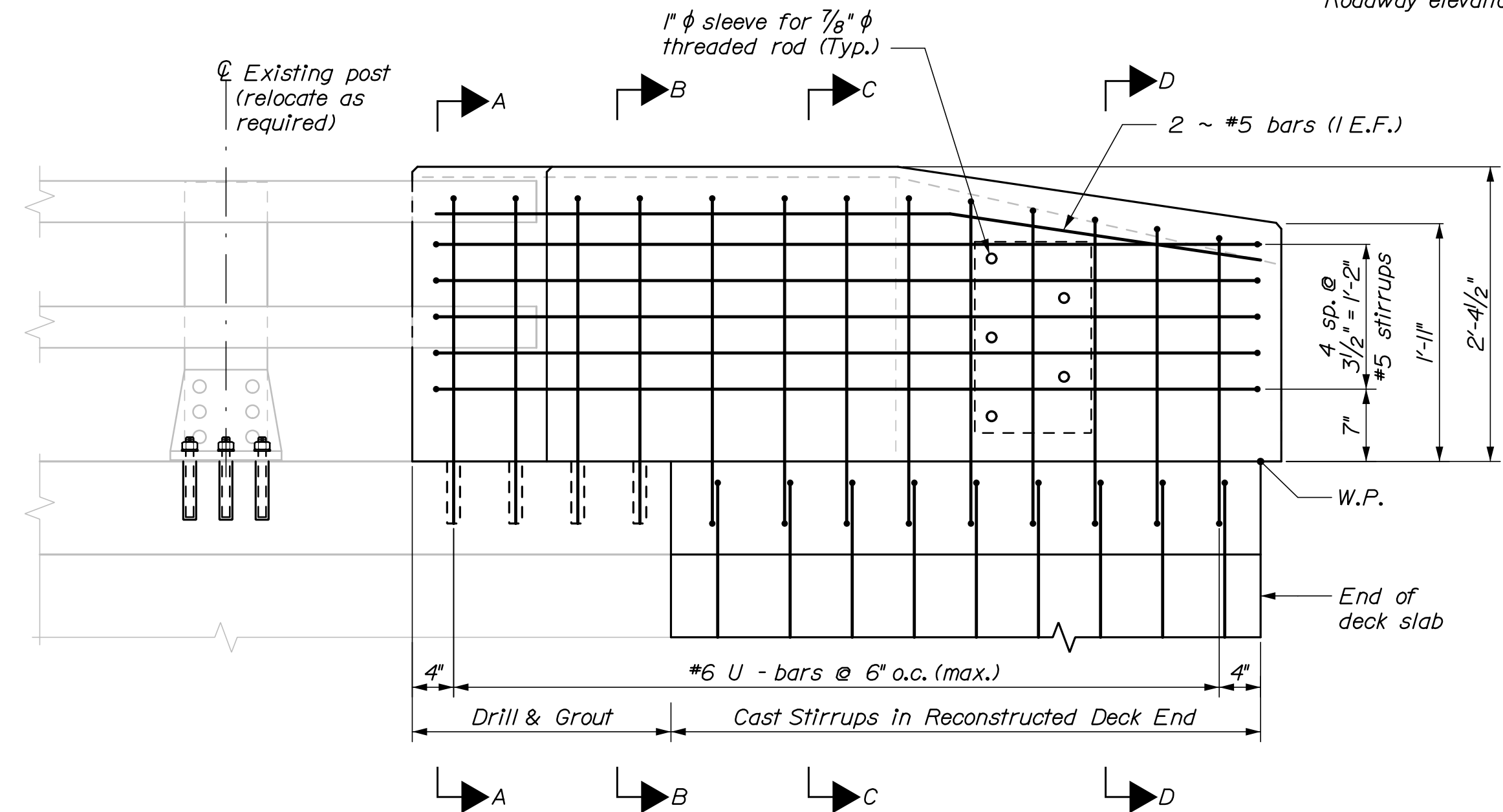


Curb Overhang Detail
(Substructure Curb Similar)

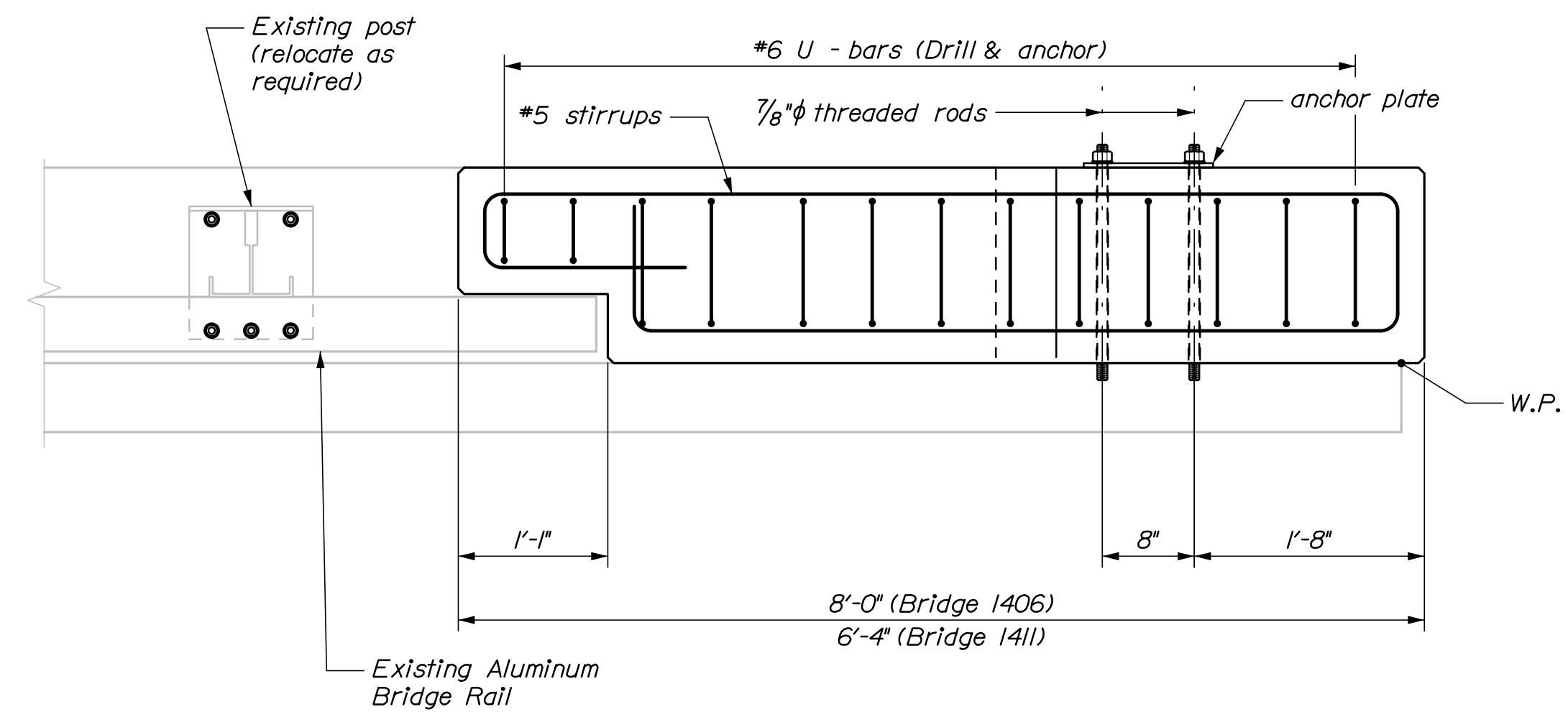
17										SHEET NUMBER									
I-95 SB BRIDGE OVER ROUTE 116										PROJ. MANAGER									
BRIDGE NO. 1411										J. STILLWELL									
MEDWAY										DESIGN-DETAILED									
										JRS									
										HNTB									
										03/18									
										JLL									
										03/18									
										SIGNATURE									
										P.E. NUMBER									
										REVISIONS 1									
										REVISIONS 2									
										REVISIONS 3									
										REVISIONS 4									
										FIELD CHANGES									
										DATE									
										BRIDGE NO. 1411									
										WIN									
										022318.00									
										BRIDGE PLANS									



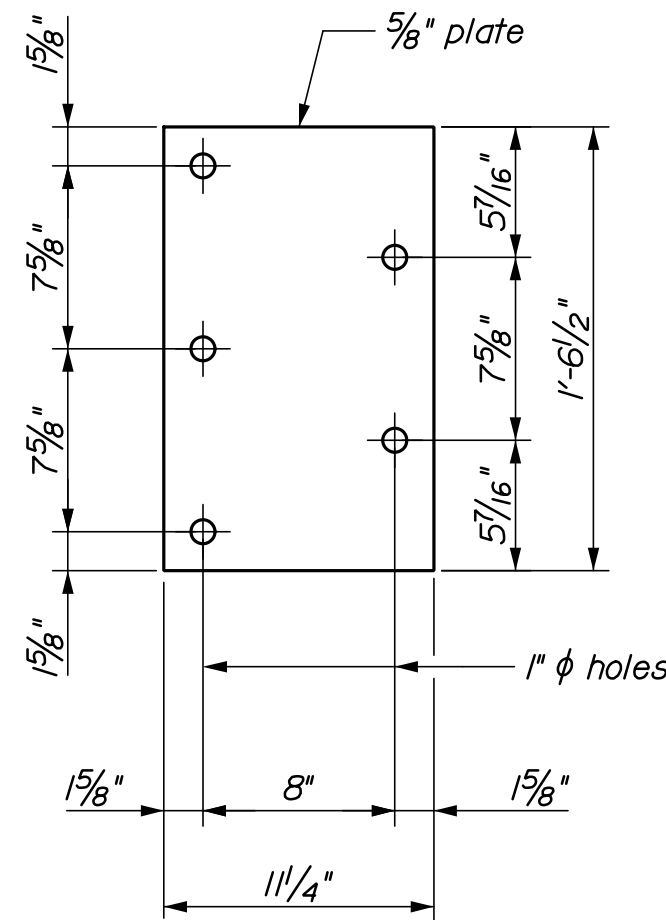
CONCRETE TRANSITION BARRIER (TYPE 2)
Roadway elevation shown



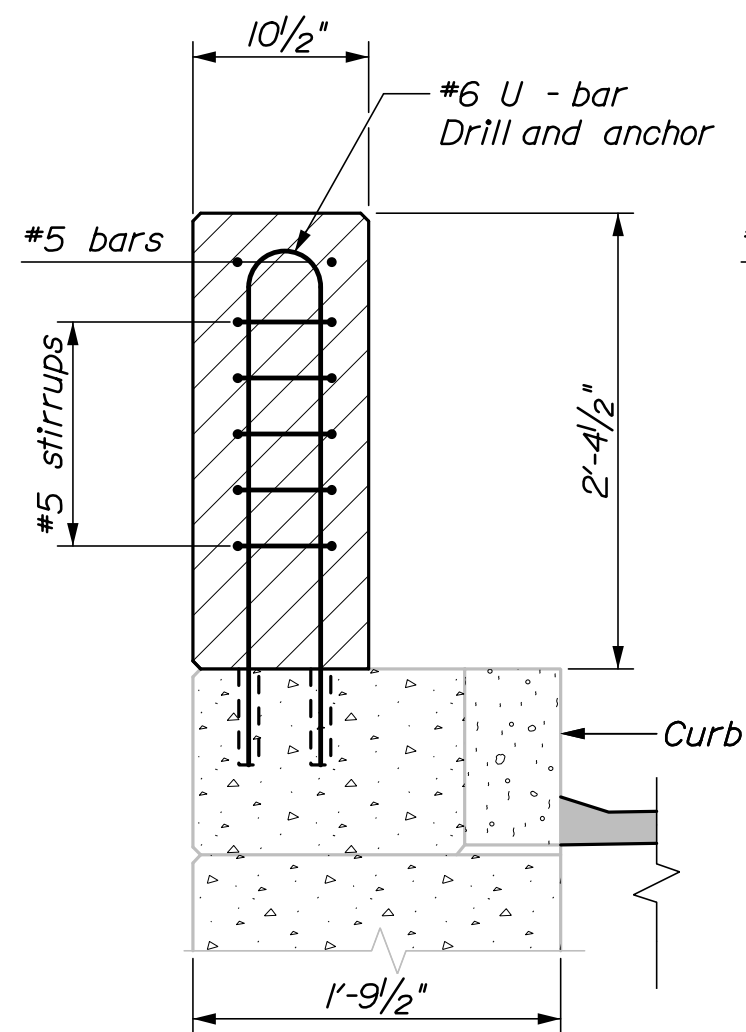
TRANSITION BARRIER ELEVATION
Roadway elevation shown



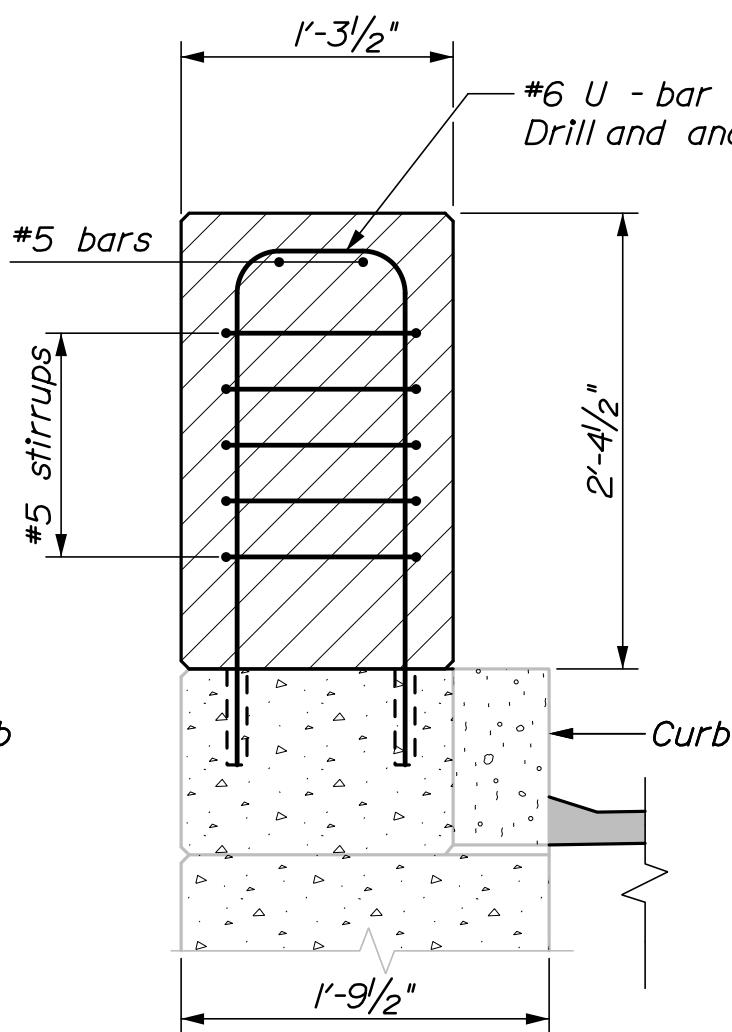
TRANSITION BARRIER PLAN



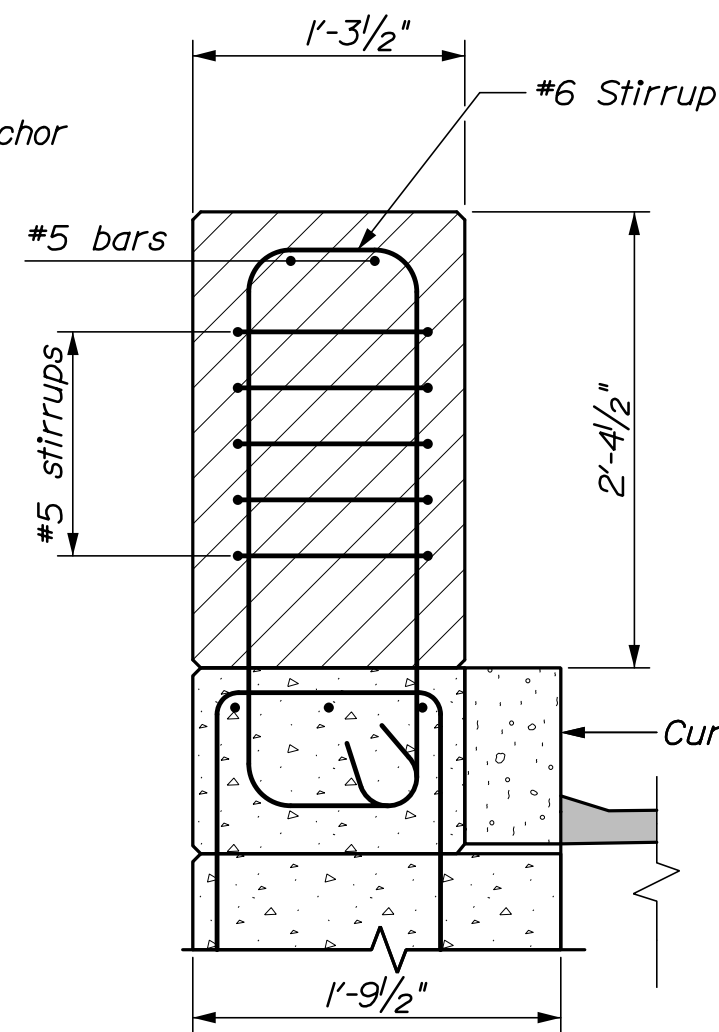
ANCHOR PLATE DETAIL



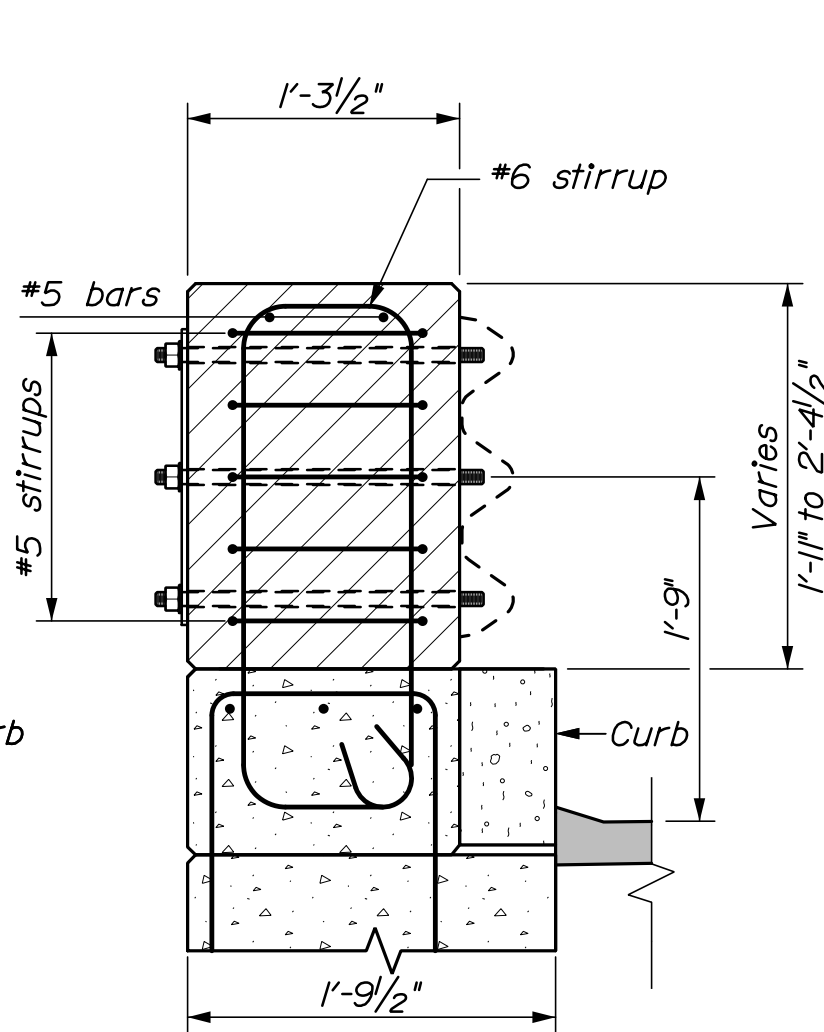
SECTION A-A



SECTION B-B



SECTION C-C

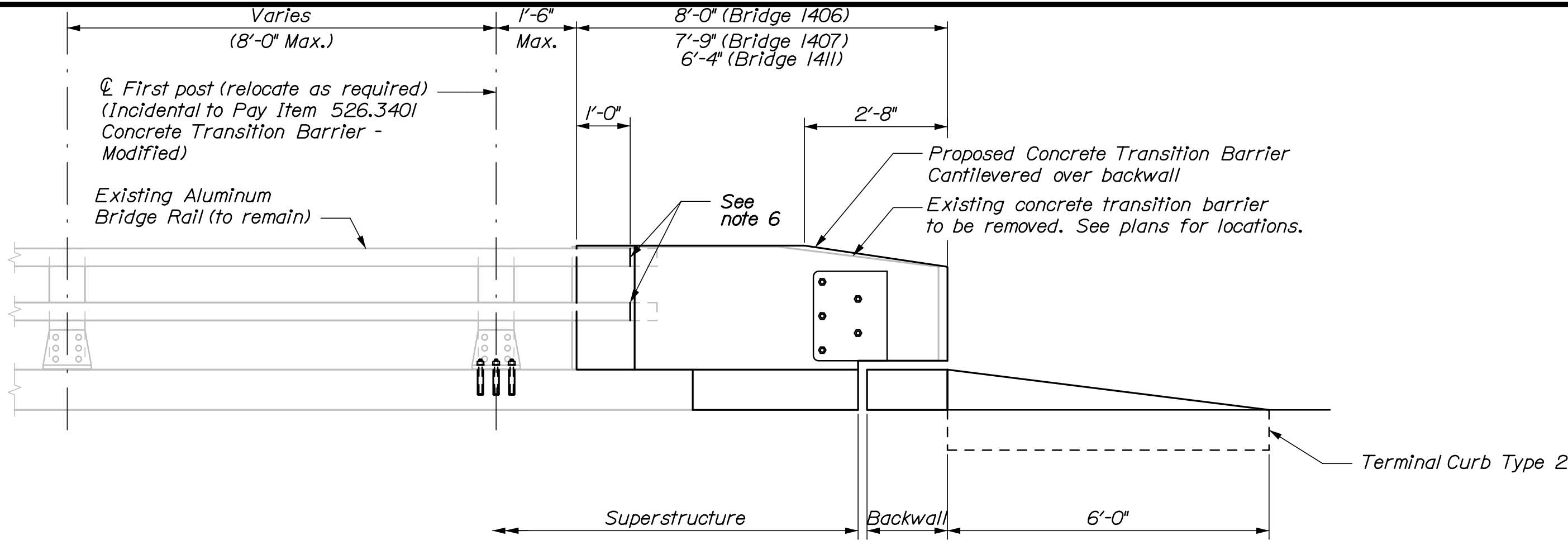


SECTION D-D

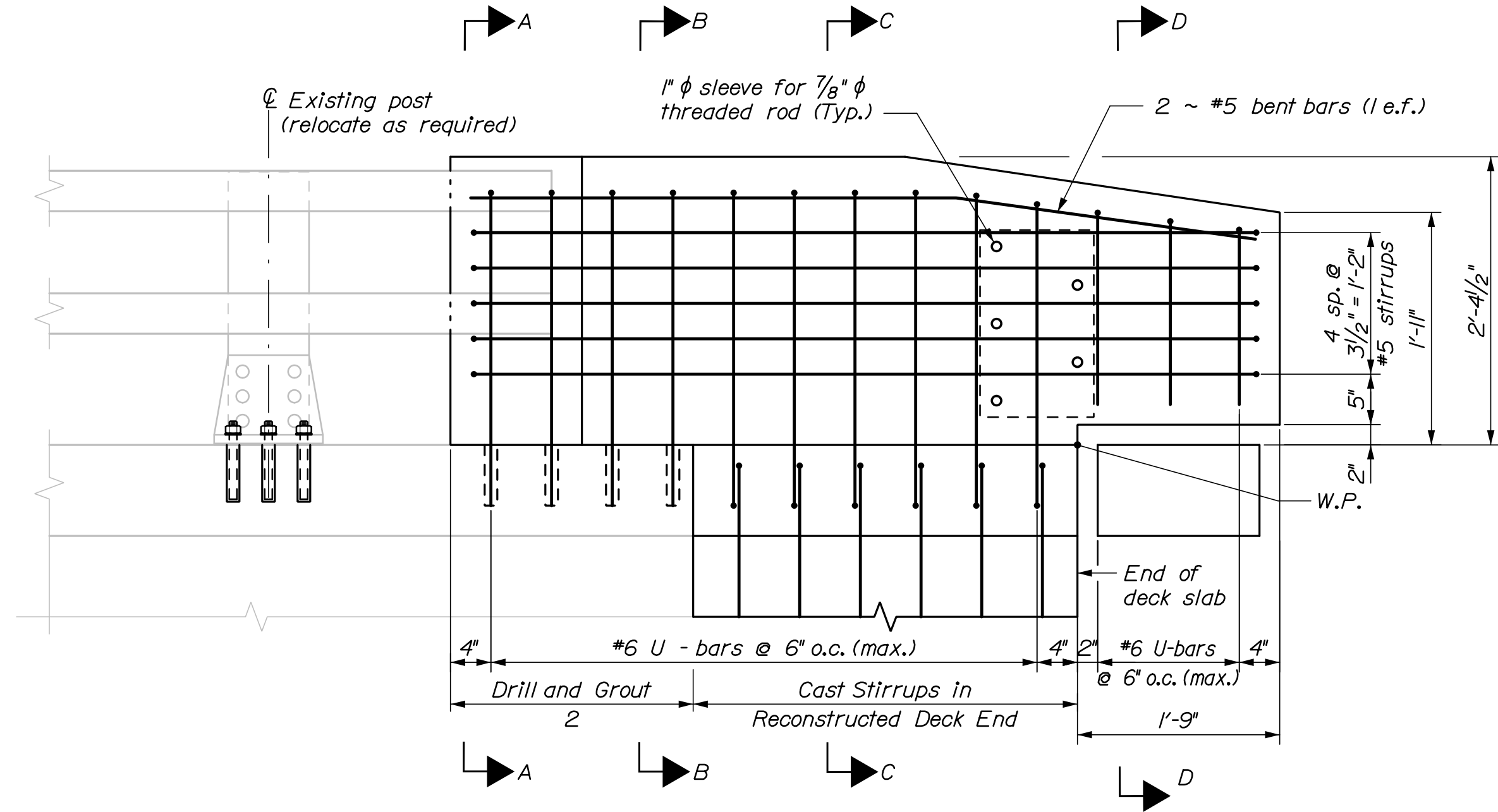
CONCRETE TRANSITION BARRIER NOTES

1. Refer to Standard Details Section 526 - Concrete Transition Barrier for details and information not shown.
2. Reinforcing steel for the Transition Barriers is based on details shown in the Standard Details. Reinforcing steel shall be modified to fit the details and conditions shown on the plans. Payment for modifying reinforcing steel and for drilling and anchoring bars as shown will be considered incidental to Item No. 526.340I, Permanent Concrete Transition Barrier - Modified.
3. Anchor plates and threaded rods shall be galvanized in accordance with the Standard Specifications and the Standard Details.
4. The bridge rail post bolt anchorage system shall be from MaineDOT's Qualified Products List or an approved equal. The Contractor shall submit the proposed system to the Resident for review prior to use. The bolt anchorages shall be installed in strict accordance with the selected manufacturer's recommendations. The anchor bolts shall have an ultimate tension capacity of 30 kips. Payment for bridge rail post relocation and associated materials, equipment, labor and incidentals necessary to complete the work will be considered incidental to Item No. 526.340I, Permanent Concrete Transition Barrier - Modified.
5. The Contractor shall locate existing curb reinforcing steel and adjust dowel and bridge rail post anchor stud locations to avoid cutting existing bars. Any adjustments from plan dimensions shall be approved by the Resident. Payment shall be incidental to Item No. 526.340I, Permanent Concrete Transition Barrier - Modified.
6. The Contractor shall trim or install longer rail sections as directed by the Resident to provide 12" of projection into the transition barrier recess. Payment shall be incidental to Item No. 526.340I, Permanent Concrete Transition Barrier - Modified.
7. Drill and grout and deck end reconstruction limits vary per bridge.

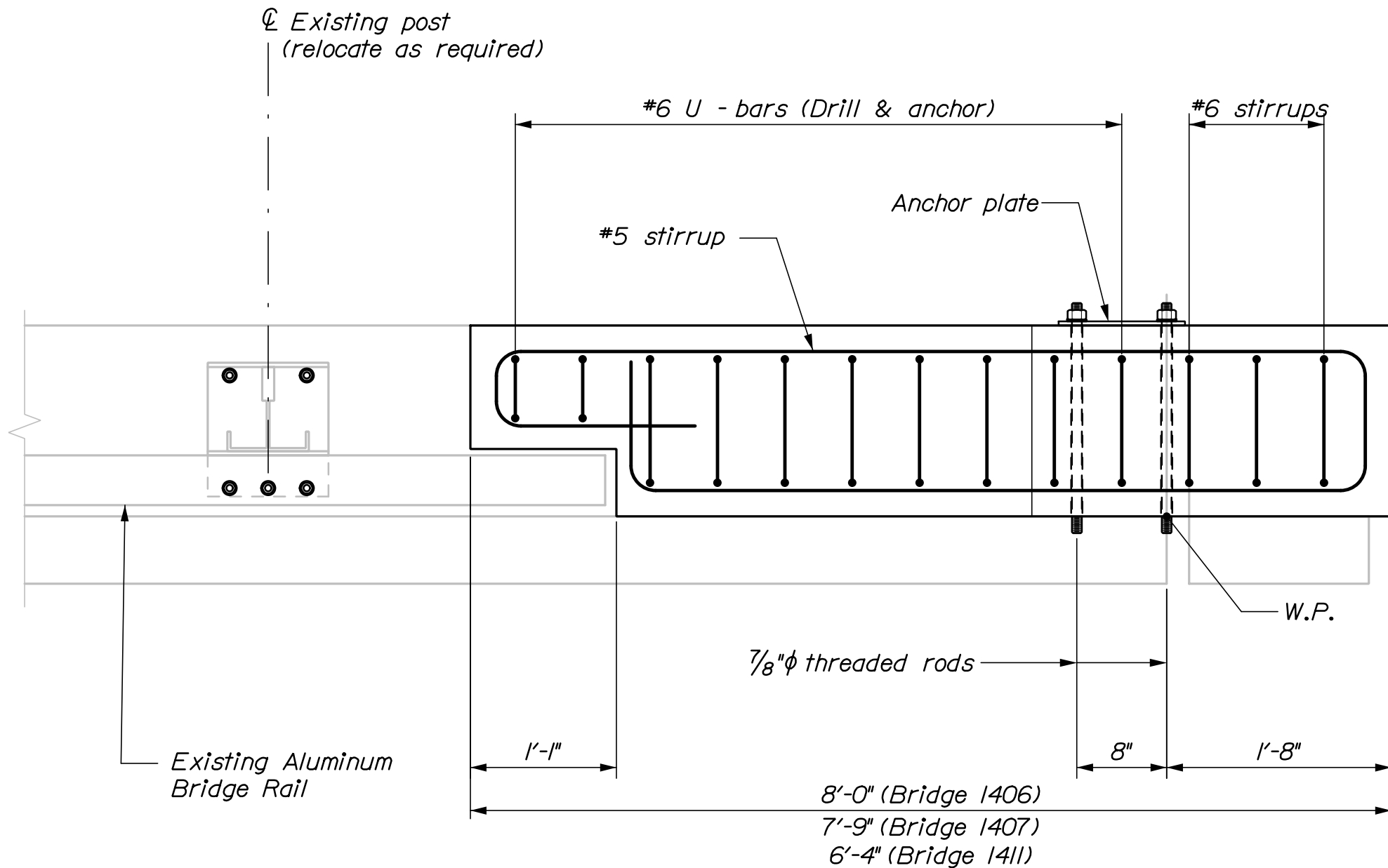
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	BRIDGE 1406, 1411					DATE
	SHERMAN AROOSTOOK COUNTY					BY
	MEDWAY PENOBSCOT COUNTY					J. STILLWELL
	CONCRETE TRANSITION BARRIER DETAILS I					PROJ. MANAGER
						DESIGN-DETAILED
						CHECKED-REVIEWED
						DESIGN2-DETAILED2
						DESIGN3-DETAILED3
						SIGNATURE
						P.E. NUMBER
					DATE	
					WIN	
					022318.00	
					BRIDGE NO. 1406, 1411	
					BRIDGE PLANS	



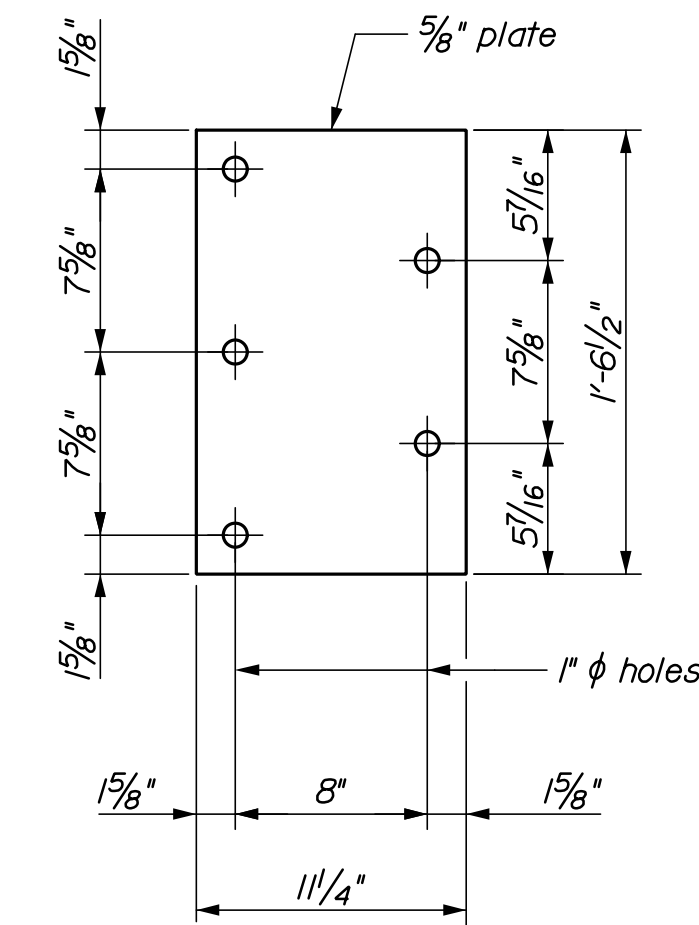
CONCRETE TRANSITION BARRIER (TYPE 3)
Roadway elevation shown



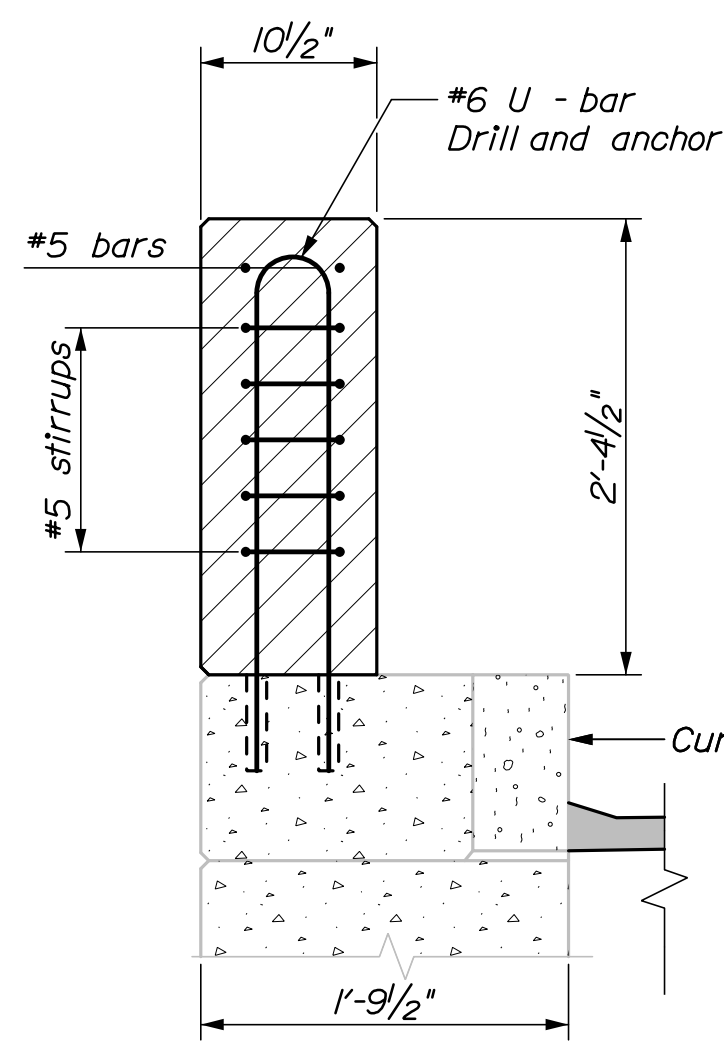
TRANSITION BARRIER ELEVATION
Roadway elevation shown



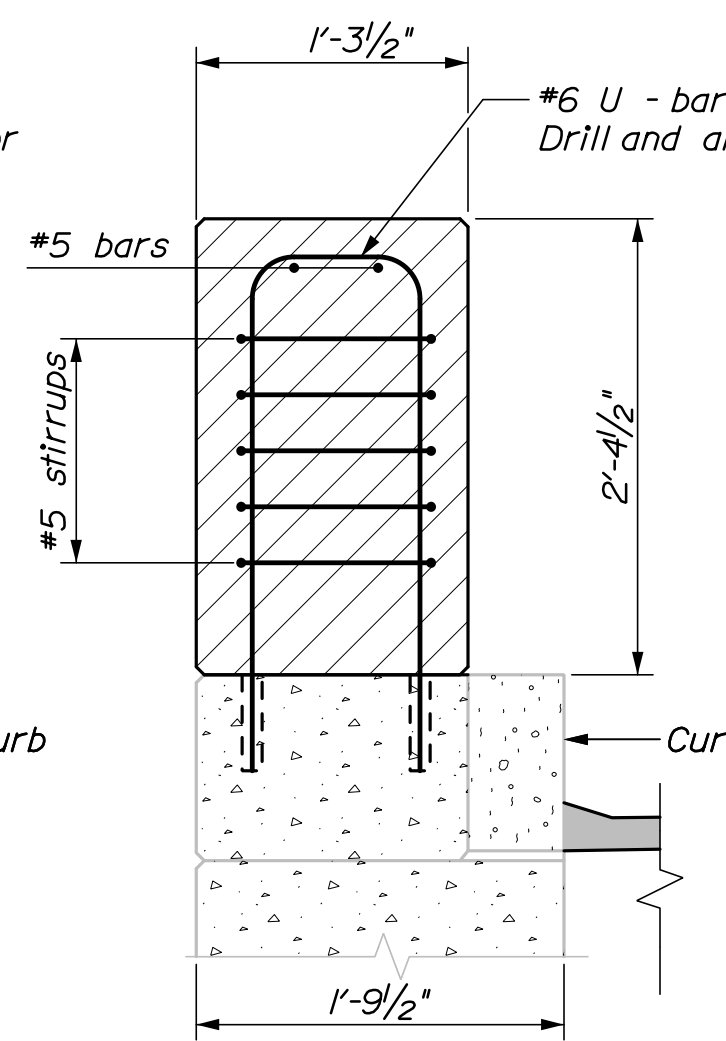
TRANSITION BARRIER PLAN



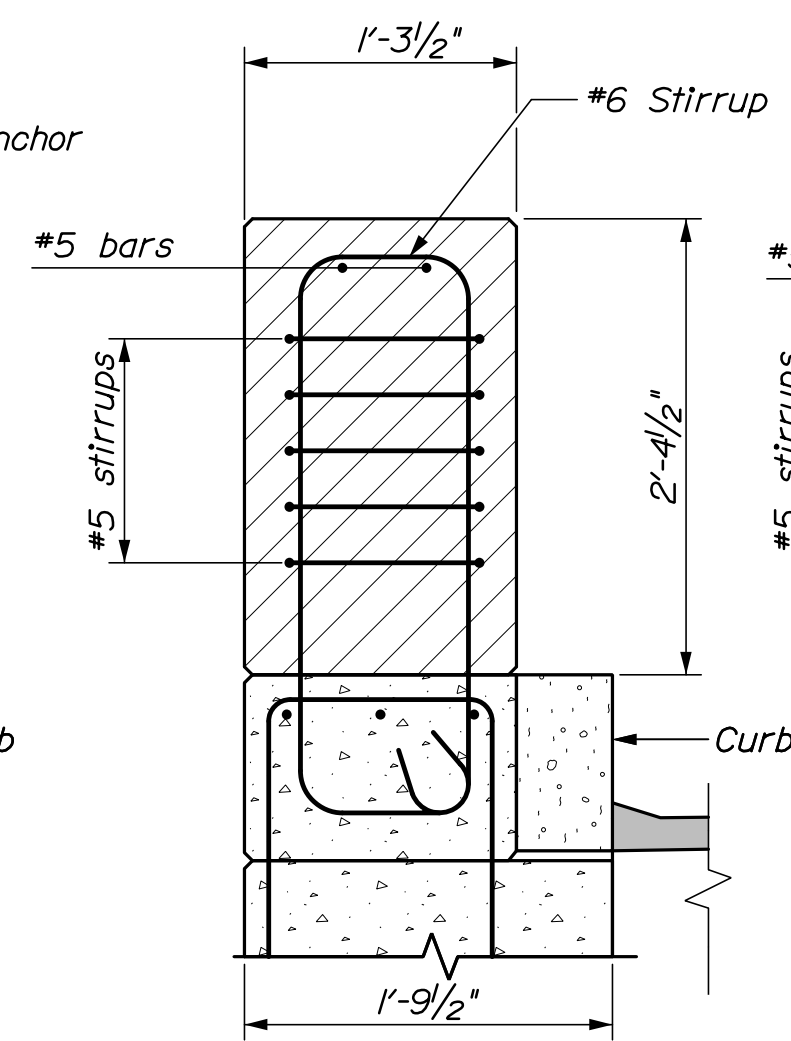
ANCHOR PLATE DETAIL



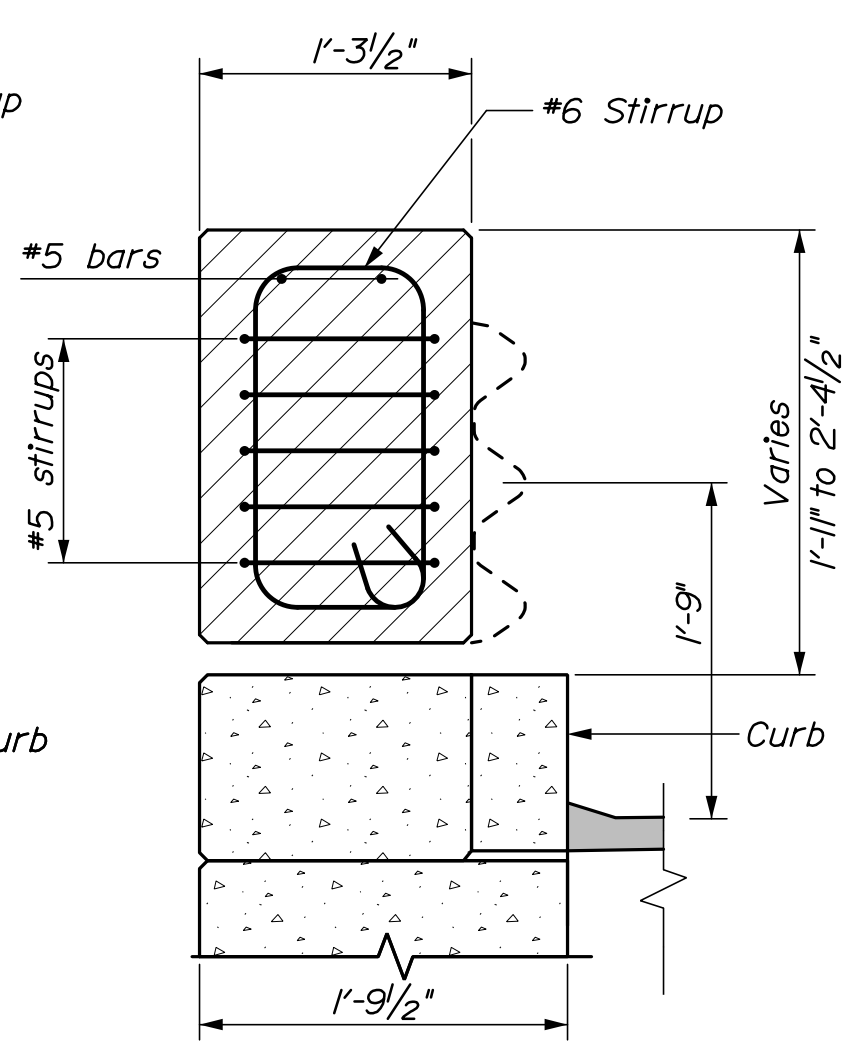
SECTION A-A



SECTION B-B

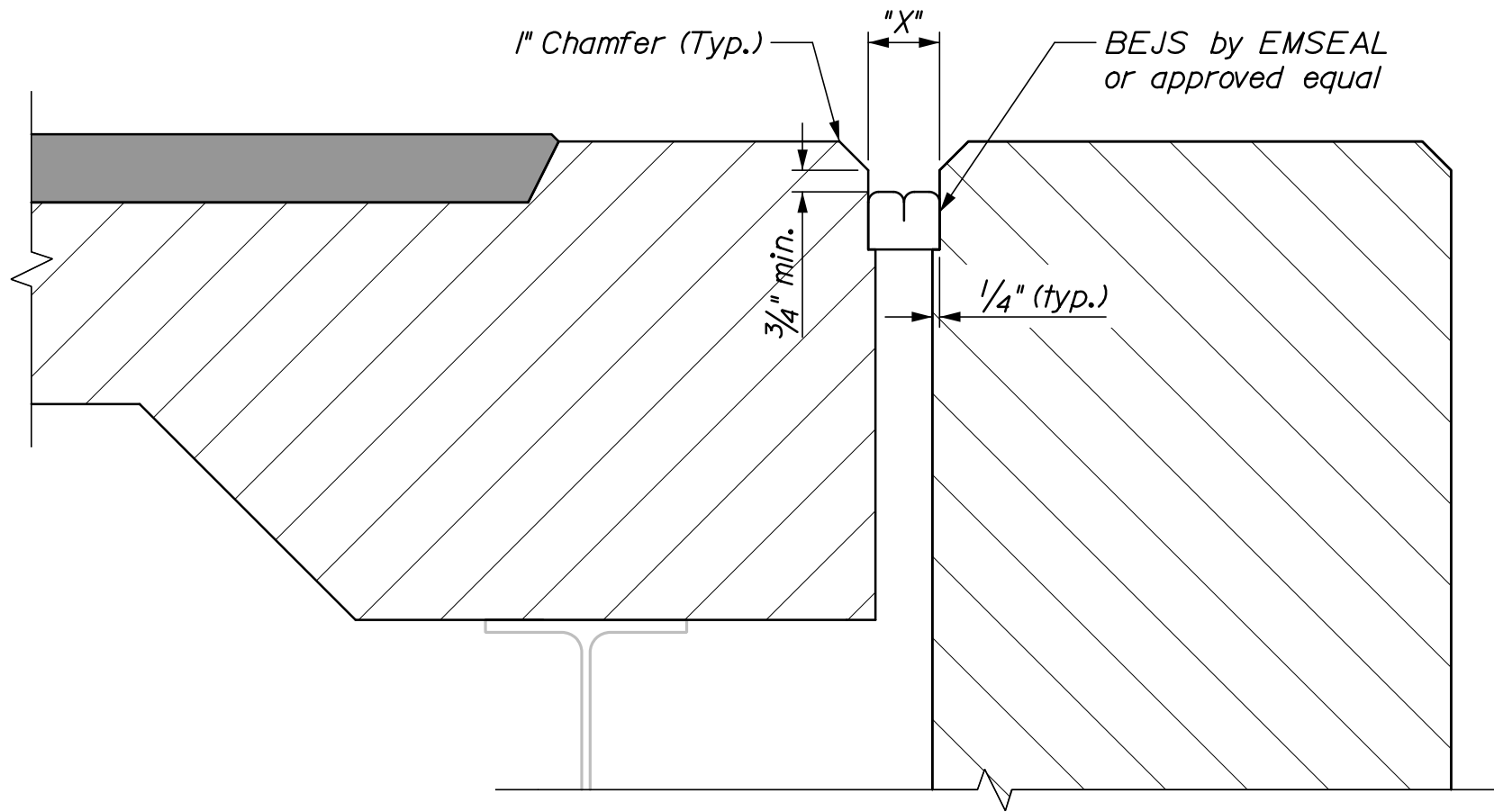


SECTION C-C

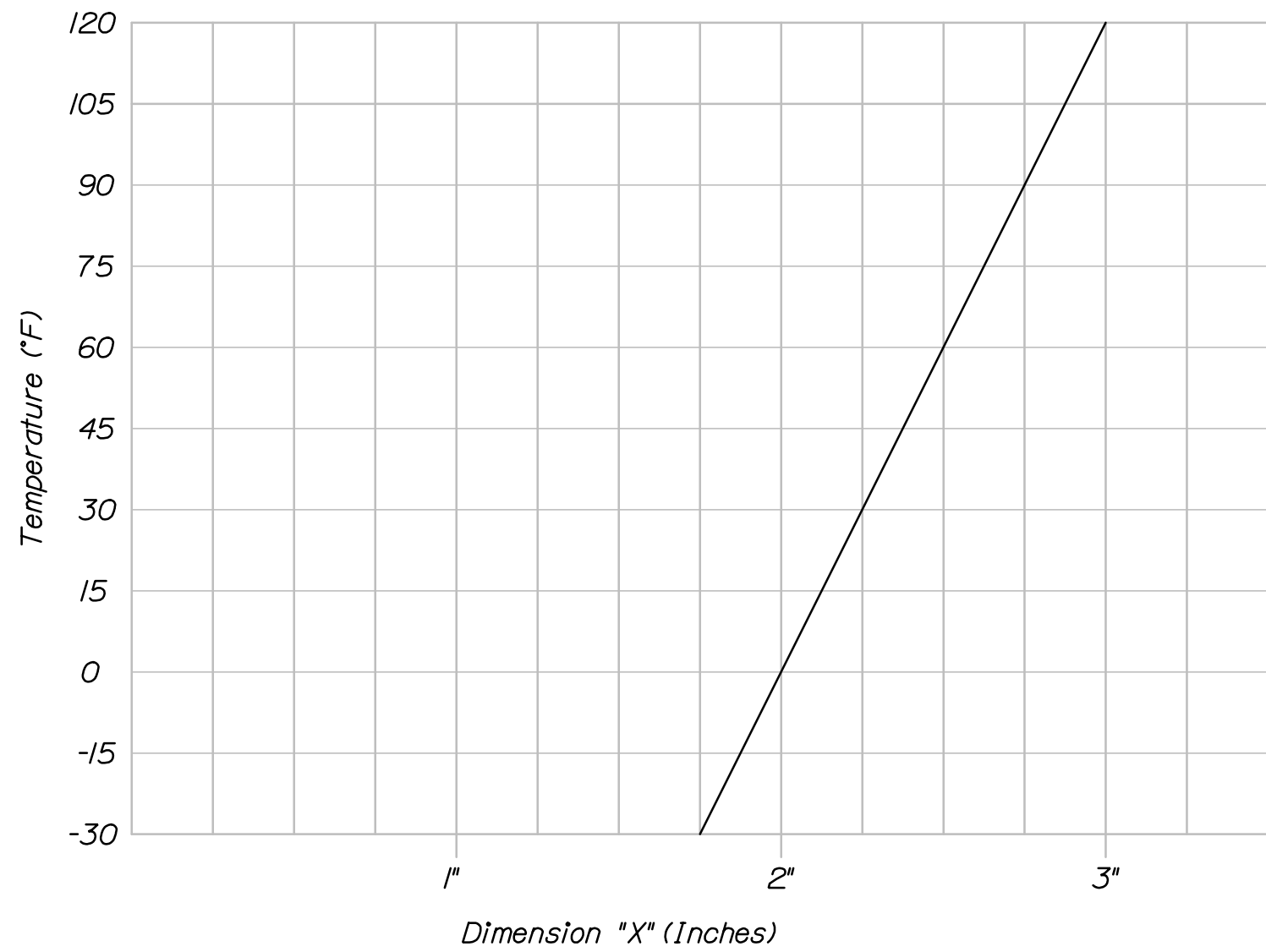


SECTION D-D

SHEET NUMBER 19 OF 21		BRIDGE 1406, 1407, 1411				PROJ. MANAGER		J. STILWELL	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
		SHERMAN MEDWAY		AROOSTOOK COUNTY		DESIGN-DETAILED		JRS	JNTB	03/18		
		CONCRETE TRANSITION BARRIER DETAILS II		PENOBSCOT COUNTY		CHECKED-REVIEWED		-	JLL	03/18		
				DESIGN-DETAILED		-	-	-	SIGNATURE			
						DESIGN-DETAILED03		-	-	-		
						REVISIONS 1		-	-	-	P.E. NUMBER	
						REVISIONS 2		-	-	-		
						REVISIONS 3		-	-	-		
						REVISIONS 4		-	-	-	DATE	
						FIELD CHANGES		-	-	-	BRIDGE NO. 1406 1407, 1411	
											WIN 022318.00 BRIDGE PLANS	

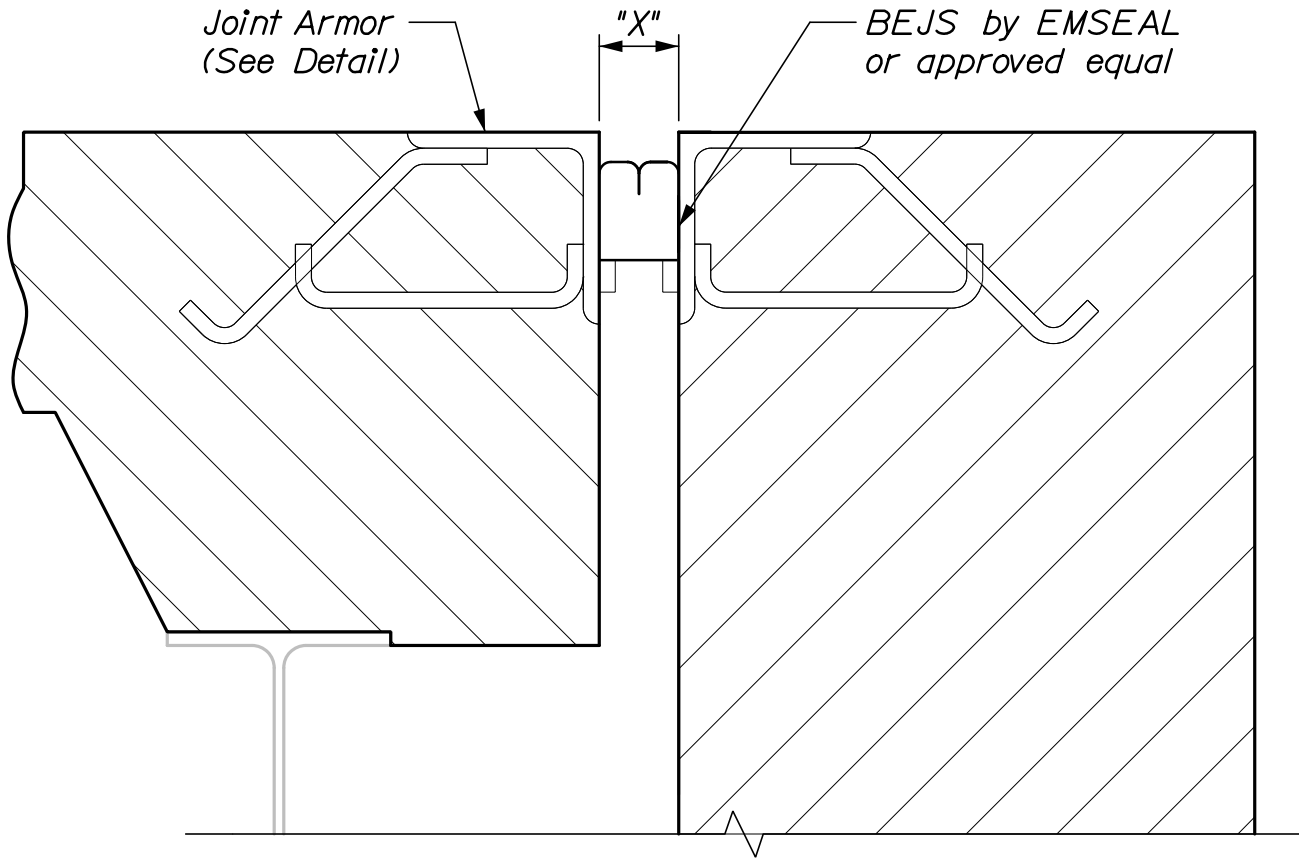


DETAIL 1

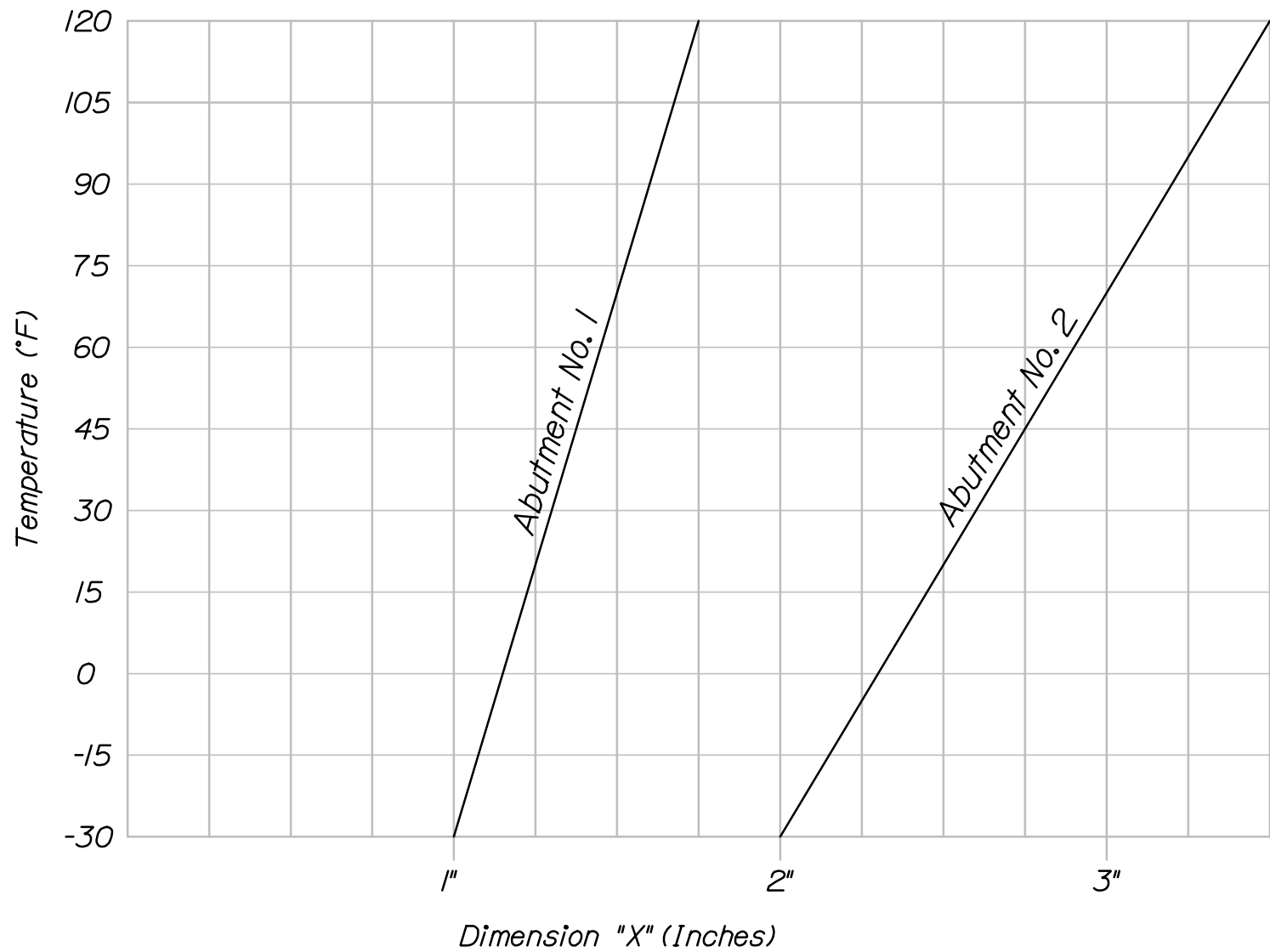


EXPANSION JOINT ADJUSTMENT CHART

I-95 SB BRIDGE OVER ROUTE 158
BRIDGE 1406



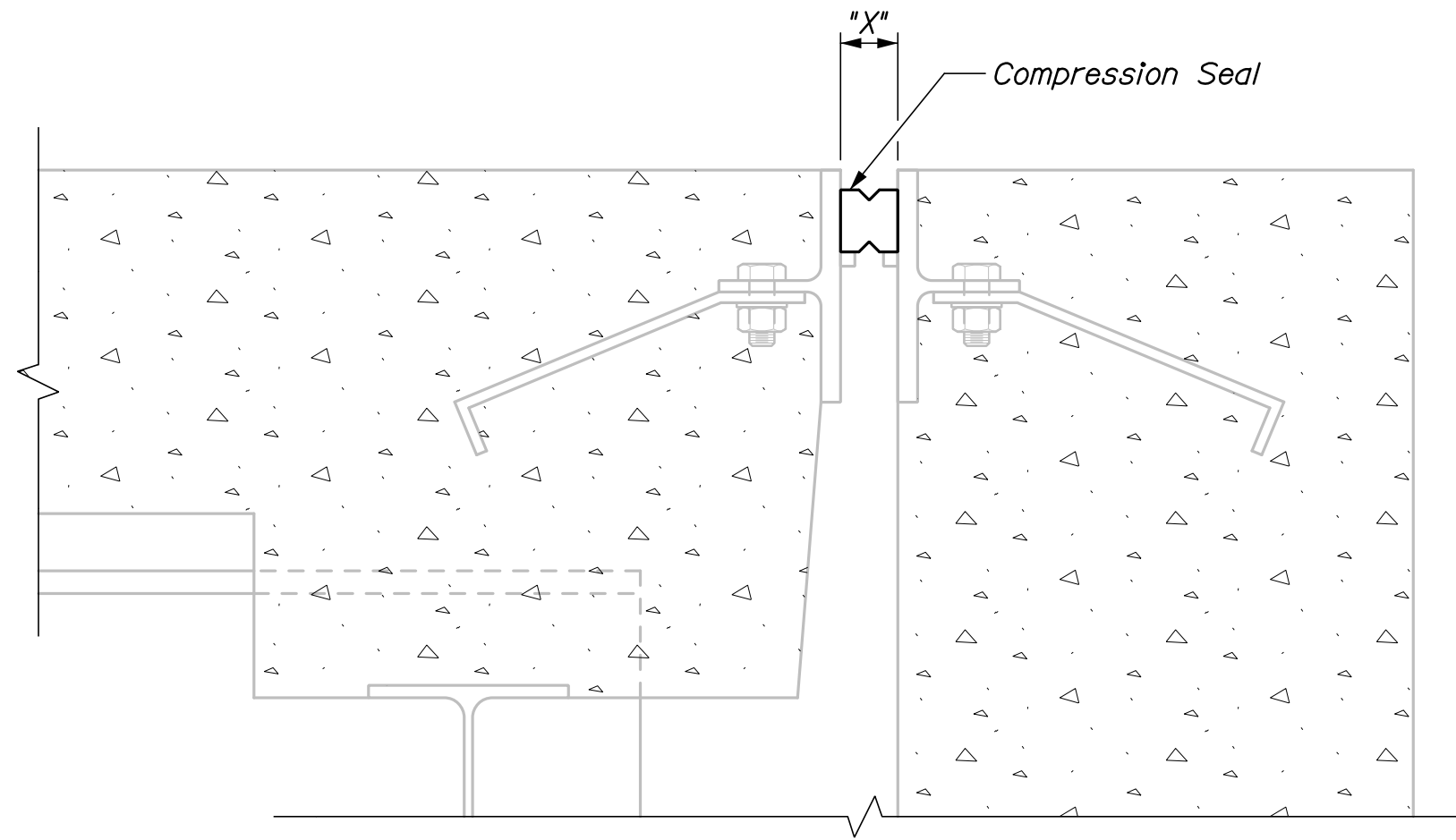
DETAIL 2



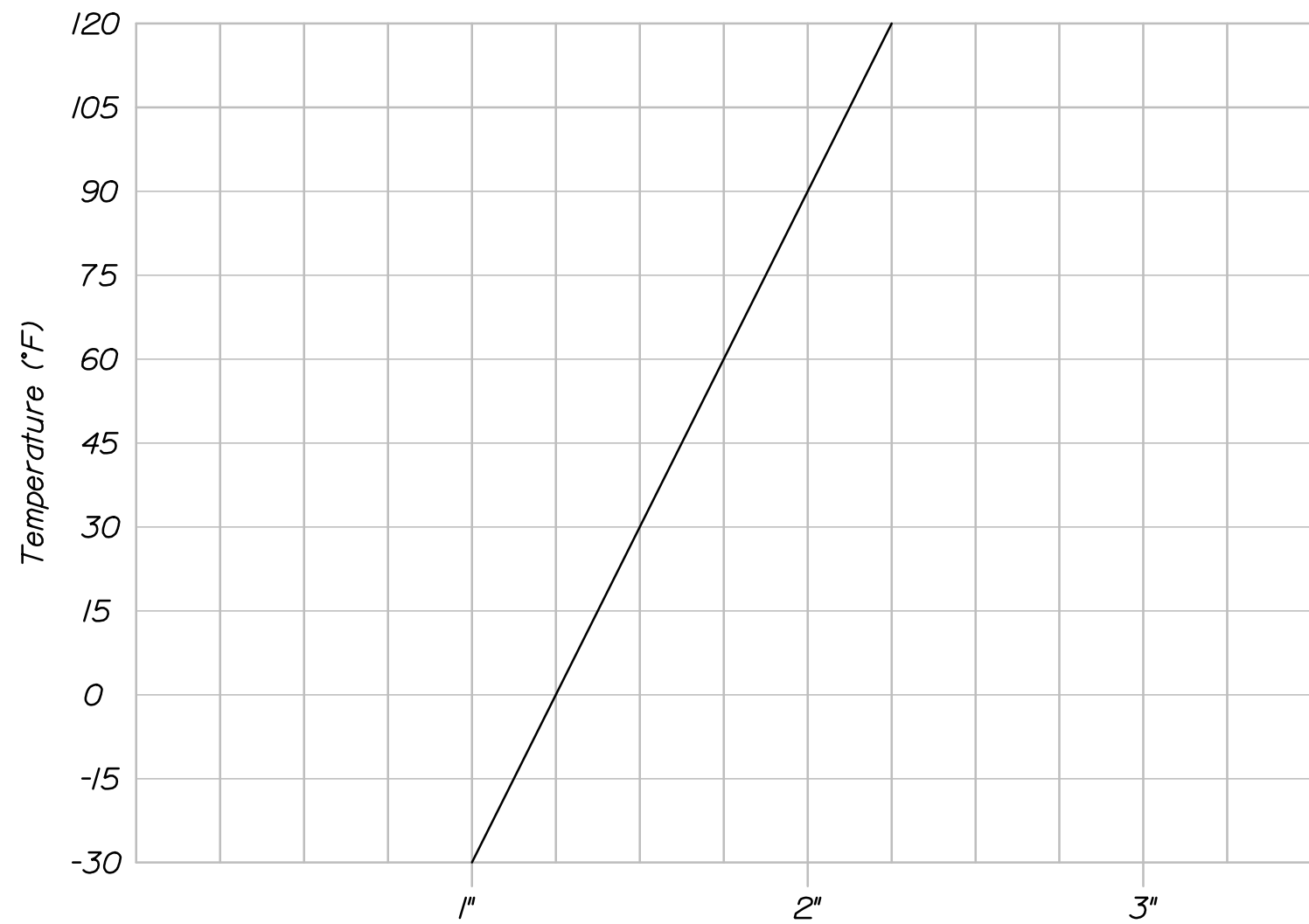
EXPANSION JOINT ADJUSTMENT CHART

I-95 SB BRIDGE OVER BENEDICTA ROAD
BRIDGE 1407

BRIDGE 1406, 1407		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
SHERMAN	AROOSTOOK COUNTY		
JOINT DETAILS		BRIDGE NO. 1406, 1407 WIN 022318.00 BRIDGE PLANS	
SHEET NUMBER		SIGNATURE	
20		P.E. NUMBER	
OF 21		DATE	

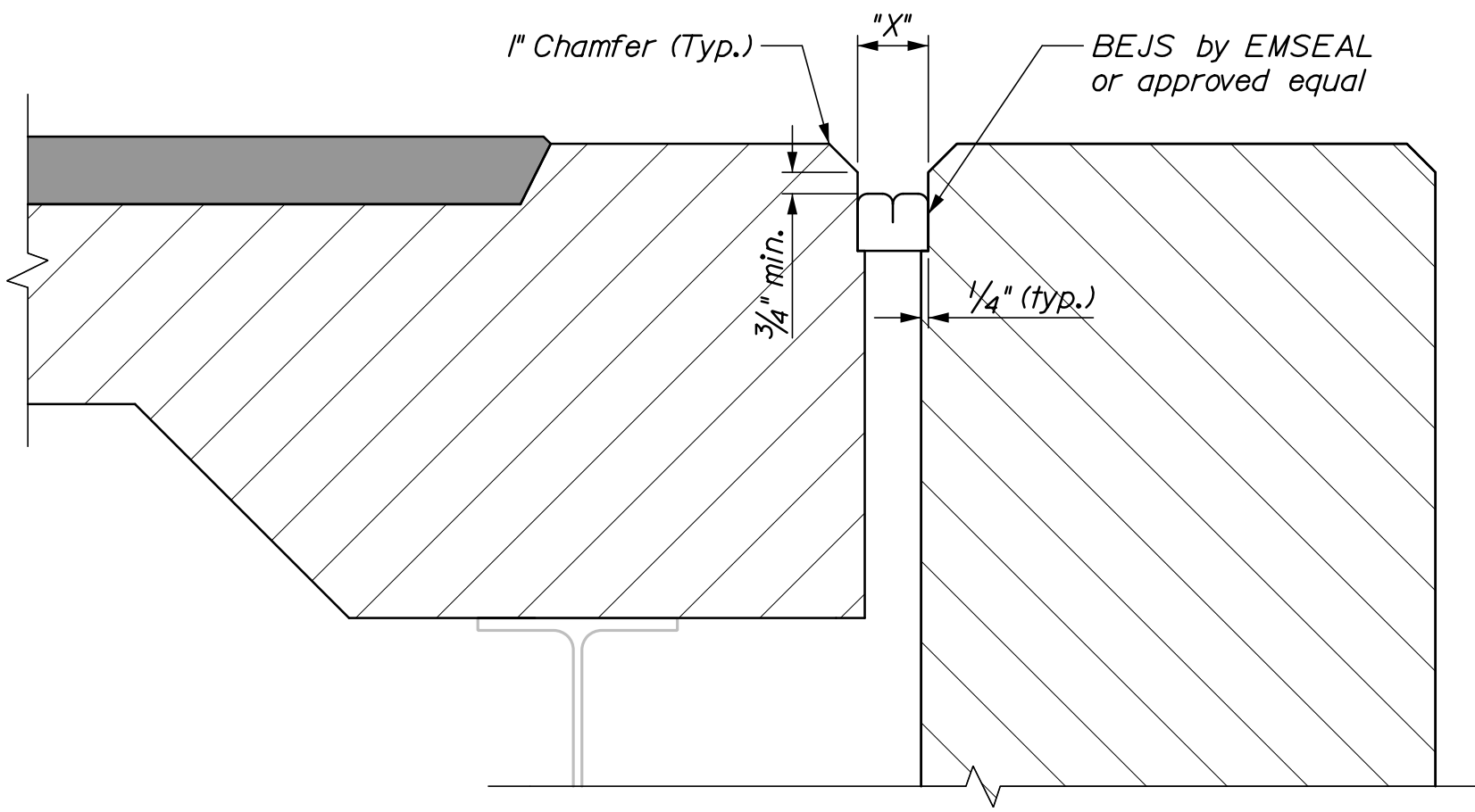


DETAIL 3

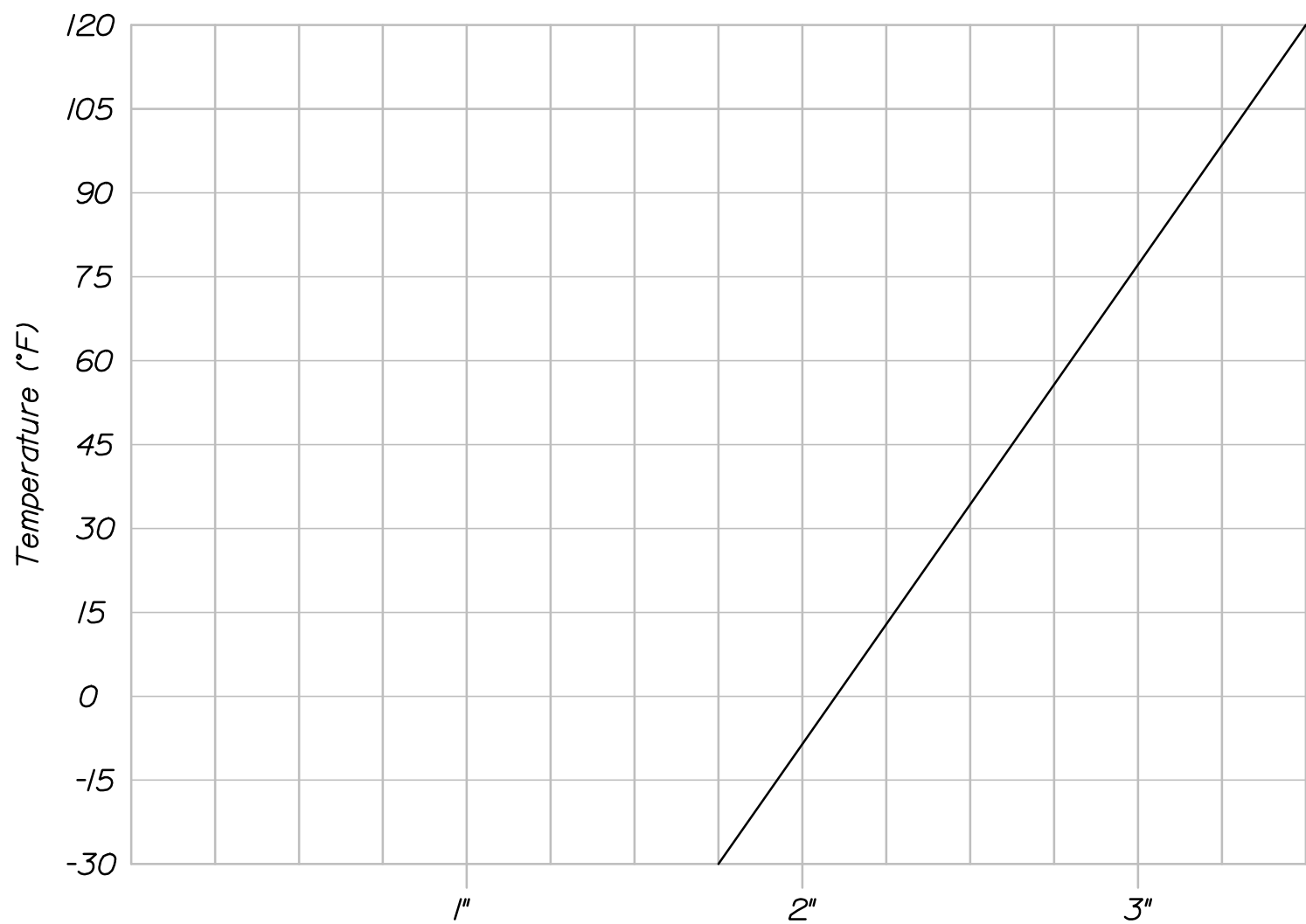


EXPANSION JOINT ADJUSTMENT CHART

I-95 SB BRIDGE OVER SALMON STREAM
BRIDGE 1409



DETAIL 4



EXPANSION JOINT ADJUSTMENT CHART

I-95 SB BRIDGE OVER ROUTE 116
BRIDGE 1411

STATE OF MAINE DEPARTMENT OF TRANSPORTATION					
		BRIDGE NO. 1409, 1411		WIN	022318.00
				BRIDGE PLANS	
BRIDGE 1409, 1411		PENOBSCOT COUNTY			
MEDWAY					
JOINT DETAILS					
SHEET NUMBER					
21					
OF 21					