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Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Eighth Edition November 2017.

Live Load HL - 93 Modified For Strength I

Current (2018) AADT	210
Future (2038) AADT	250
DHV - % of AADT	17
Design Hour Volume	43
Heavy Trucks (% of AADT)	10
Heavy Trucks (% of DHV)	8
Directional Distribution (% of DHV)	60
18 kip Equivalent P 2.0	17
18 kip Equivalent P 2.5	15
Design Speed (mph)	35

Drainage Area	18.5 sq mi
Design Discharge (Q50)	1647.2 cfs
Check Discharge (Q100)	1905.6 cfs
Headwater Elevation (Q1.1)	395.68 ft
Headwater Elevation (Q25)	398.70 ft
Headwater Elevation (Q50)	399.08 ft
Headwater Elevation (Q100)	399.45 ft
Discharge Velocity (Q1.1)	1.47 fps
Discharge Velocity (Q50)	4.50 fps
Discharge Velocity (Q100)	4.57 fps

Concrete:	
Curbs	Class "LP"
Seal	Class "S"
Precast	Class "P"
All Other	Class "A"
Reinforcing Bars:	
Plain Steel	ASTM A 615/A 615M, Grade 60
Stainless Steel	ASTM A 955, Grade 75
Glass Fiber Reinforced Polymer (GFRP)	CSA S807-10, AC1 440.1R-15
Prestressing Strands	AASHTO M 203 (ASTM A 416), Grade 270, Low Relaxation

Concrete	
Class "LP"	f 'c = 5000 psi
Class "S"	f 'c = 3000 psi
Class "P"	f 'c = 8000 psi
	f 'ci = 6500 psi
Class "A"	f 'c = 4000 psi
Plain Reinforcing Steel	f y = 60,000 psi
Stainless Reinforcing Steel	f y = 75,000 psi
Prestressing Strand	F μ = 270,000 psi
Glass Fiber Reinforced Polymer	
#5 Bar	f fu = 100,000 psi
#6 Bar	f fu = 100,000 psi
#7 Bar	f fu = 95,000 psi
Minimum Elastic Modulus	E f = 6,150,000 psi
Minimum Nominal Design Tensile Strain	ε fu = 1.226%


SUMNER-HARTFORD
OXFORD COUNTY
FIELDS BRIDGE
OVER
BRANCH NEZINSCOT RIVER
GAMMON ROAD\STETSON ROAD
PROJECT NO. BR-2170(500)
PROJECT LENGTH 0.081 mi.
BRIDGE NO. 0690

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Central Maine Power Company
Consolidated Communications

Bridge Closure with detour onto Town Farm Road, Main Street and Gammon Road

<u>PROJECT LOCATION</u>	Gammon Road/ Stetson Road over the East Branch Nezinscot River, 0.20 miles Northeast of the intersection of Fields Hill Road and Gammon Road. Lat./Long. 44° 23' 48" N 70° 23' 20" W
<u>PROGRAM AREA</u>	BRIDGE
<u>OUTLINE OF WORK</u>	Bridge Replacement.

SUMNER-HARTFORD FIELDS BRIDGE		SHEET NUMBER 1	
TITLE SHEET		OF 35	
PROJECT INFORMATION		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
PROGRAM	BRIDGE	APPROVED	
PROJECT MANAGER	M. PARLIN	DATE	
DESIGNER	J. BYATT	COMMISSIONER:	11/7/18
CONSULTANT	FUSS AND ONEILL	CHIEF ENGINEER:	David Noel Taylor
PROJECT RESIDENT		11-7-18	
CONTRACTOR			
PROJECT COMPLETION DATE			
			
J. French SIGNATURE 11/04/18 P.E. NUMBER 10-54-14 DATE			

[illegible]

GENERAL CONSTRUCTION NOTES

1. For easements, construction limits and right of way lines, refer to Right of Way Map.

2. The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be considered incidental to Contract items.

3. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.

4. Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Resident.

5. In areas where the Resident directs the Contractor not to excavate to the subgrade line shown on the plans, payment for removing existing pavement, grubbing, shaping, ditching, and compacting the existing subbase and layers of new subbase 6 inches or less thick will be made under appropriate equipment rental items.

6. All embankment material, except as otherwise shown, shall be Granular Borrow meeting the requirements of Subsection 703.19, Material for Underwater Backfill.

7. Place loam 2 inches deep on all new or reconstructed sideslopes or as directed by the Resident.

8. Erosion Control Mix may be substituted in those areas normally receiving loam and seed as directed by the Resident. Placement shall be in accordance with Standard Specifications Section 619, Mulch. Payment will be made under Item No. 619.14, Erosion Control Mix.

9. Place a 24-in. wide strip of Temporary Erosion Control Blanket on the sideslopes along the top of the riprap and behind the wingwalls.

10. A Low Volume Guardrail End shall be installed concurrently with the placement of each section of beam guardrail.

11. Extended-use Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed, where it is apparent that runoff will cause continual erosion. Payment will be made under the appropriate Contract items.

12. Protective Coating for Concrete Surfaces shall be applied to the following areas:

*All exposed surfaces of concrete curbs,
Fascias down to the drip notch,
Concrete wearing surfaces,
Top of abutment backwalls and wingwalls and to one foot below the top
of backwalls and wingwalls on the back side.*

13. Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>.

14. The hydrologic and hydraulic report of the bridge site may be accessed at the MaineDOT web address. The report is based on MaineDOT's interpretation of the information obtained for the subject site. No assurance is given that the information or the conclusions of the report will be representative of actual conditions at the time of construction.

15. The project geotechnical report titled: *Geotechnical Design Basis Letter, Fields Bridge (*0690) Gammon Road over E. Branch Nezinscot River Summer-Hartford, Maine WIN 21705.00 August 31, 2017* may be accessed at the *MaineDOT* web address.

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

17. 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.

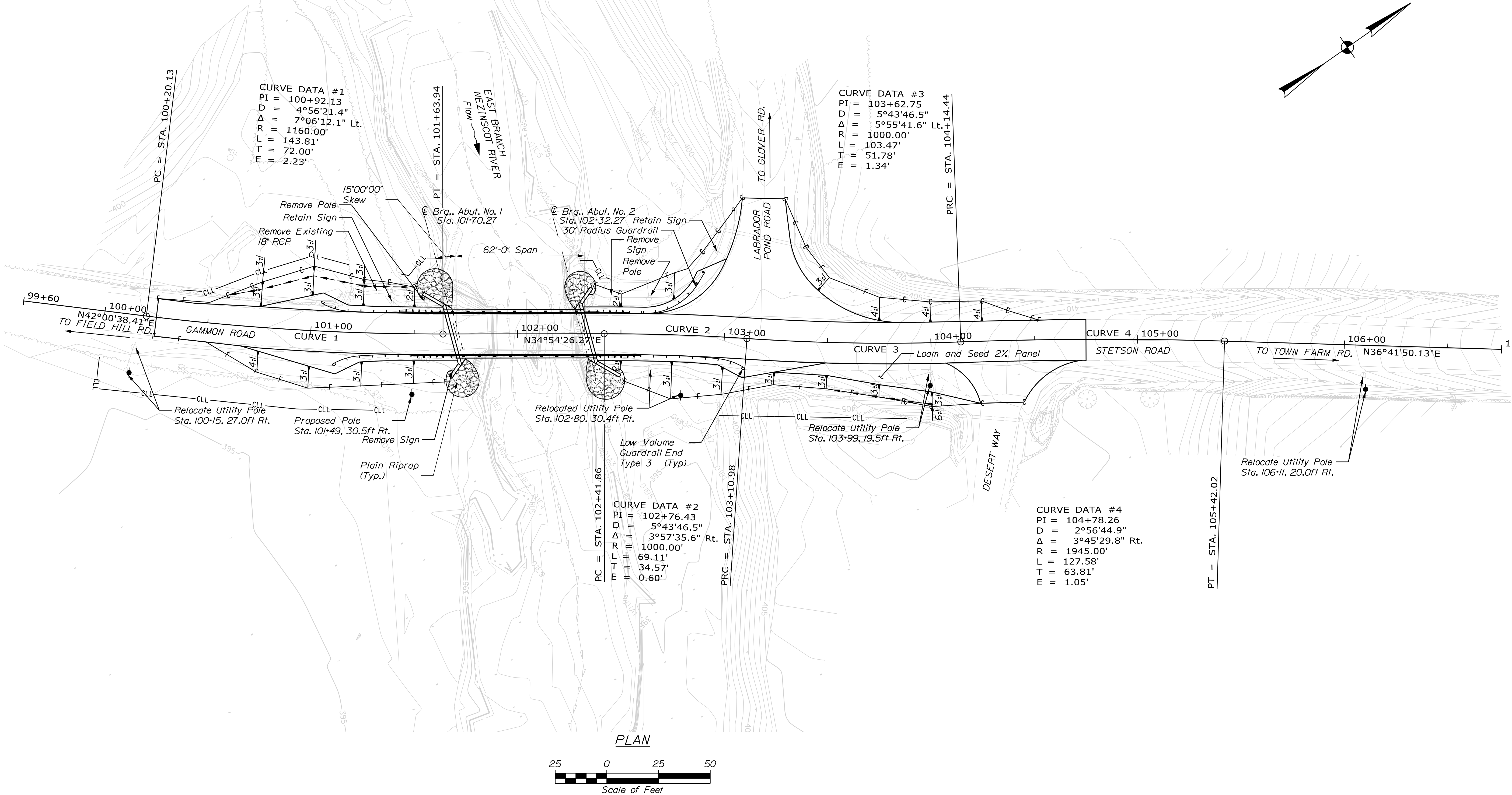
c. If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation.

18. All costs required to access the pier to construct pier cofferdams for pier removal will be included in Item 511.07, Cofferdam: Pier.

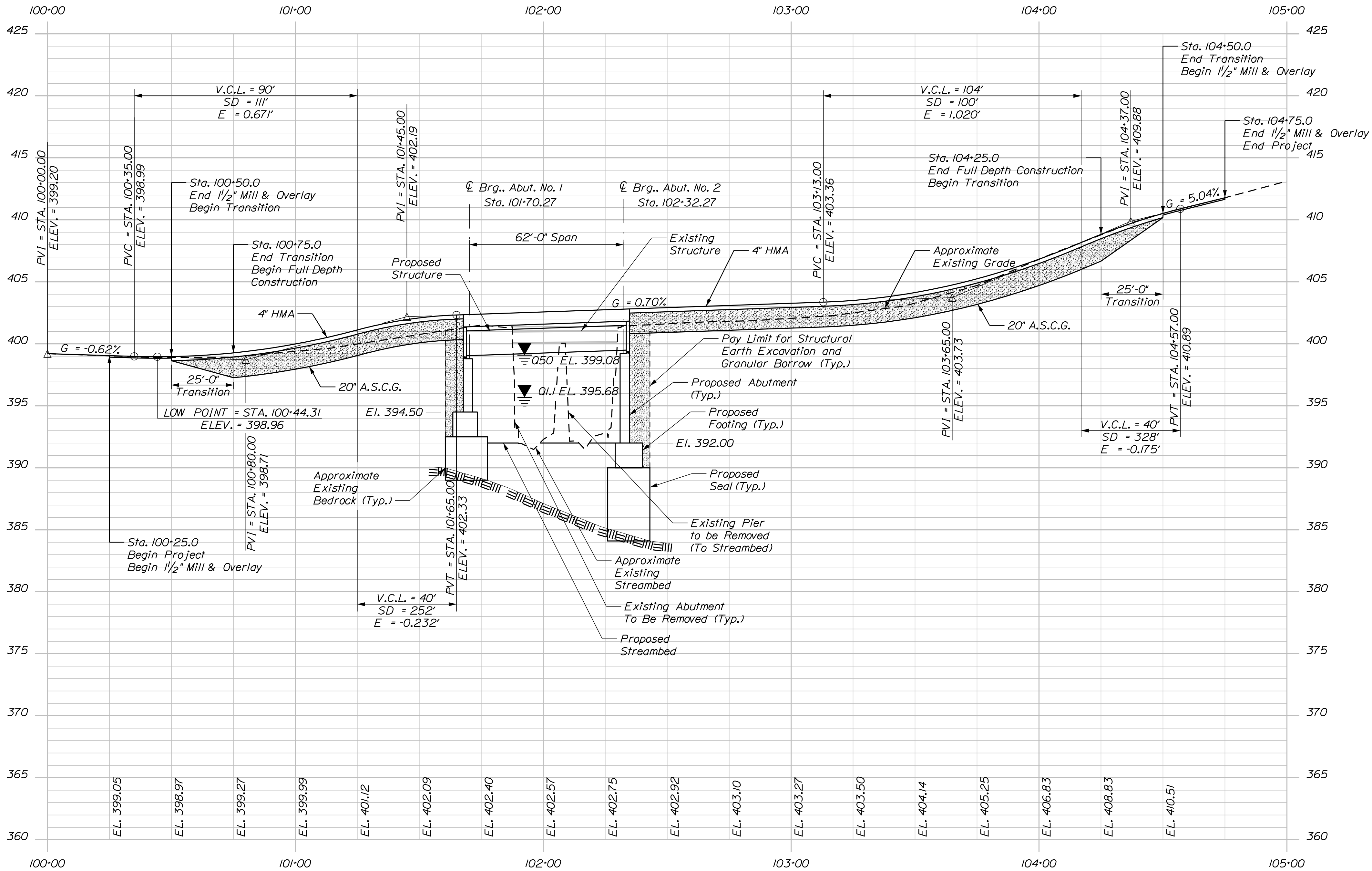
The existing bridge shall be removed by and become the property of the Contractor. The steel portions of the existing bridge may be coated with a lead-based paint system. The Contractor is responsible for the containment, proper management and disposal of all lead-contaminated hazardous waste generated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

20. Two Reflective Flexible Guard Rail Markers (Item 606.353) shall be installed at each guardrail end unless otherwise noted or directed by Resident Engineer.

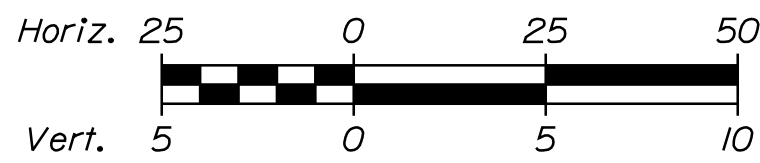
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OF 35		ESTIMATED QUANTITIES	DESIGN-DETAILED E. Carrier	M.W.Smith	10/18	
			CHECKED-REVIEWED S. Beaumont	J. French	10/18	
			DESIGNED-DETAIL DTD E. Moloney	M.G.Smith	10/18	
			DESIGNS DETAILDGS	P.E. NUMBER		
			REVIEWS 1			
			REVIEWS 2			
			REVIEWS 3			
			REVIEWS 4			
			FIELD CHANGES			BUILDING NO. 0690 WIN
						BRIDGE NO. 0690 21705.00
						BRIDGE PLANS



SHEET NUMBER <div>3</div> <div>OF 35</div>	FIELDS BRIDGE EAST BRANCH NEZINSCOT RIVER SUMNER-HARTFORD OXFORD COUNTY			PROJ. MANAGER S. Beumont M.W.Smith J. French E. Moloney M.G.Smith		BY	DATE
	GENERAL PLAN			DESIGN-DETAILED		10/18	
				CHECKED-REVIEWED		10/18	
				DESIGN2-DETAILED2		SIGNATURE	
				DESIGN3-DETAILED3		10/18	
				REVISIONS 1		P.E. NUMBER	
				REVISIONS 2			
				REVISIONS 3			
				REVISIONS 4		DATE	
	FIELD CHANGES						
STATE OF MAINE DEPARTMENT OF TRANSPORTATION							
21705.00							
BRIDGE NO. 0690WIN21705.00BRIDGE PLANS							



PROFILE

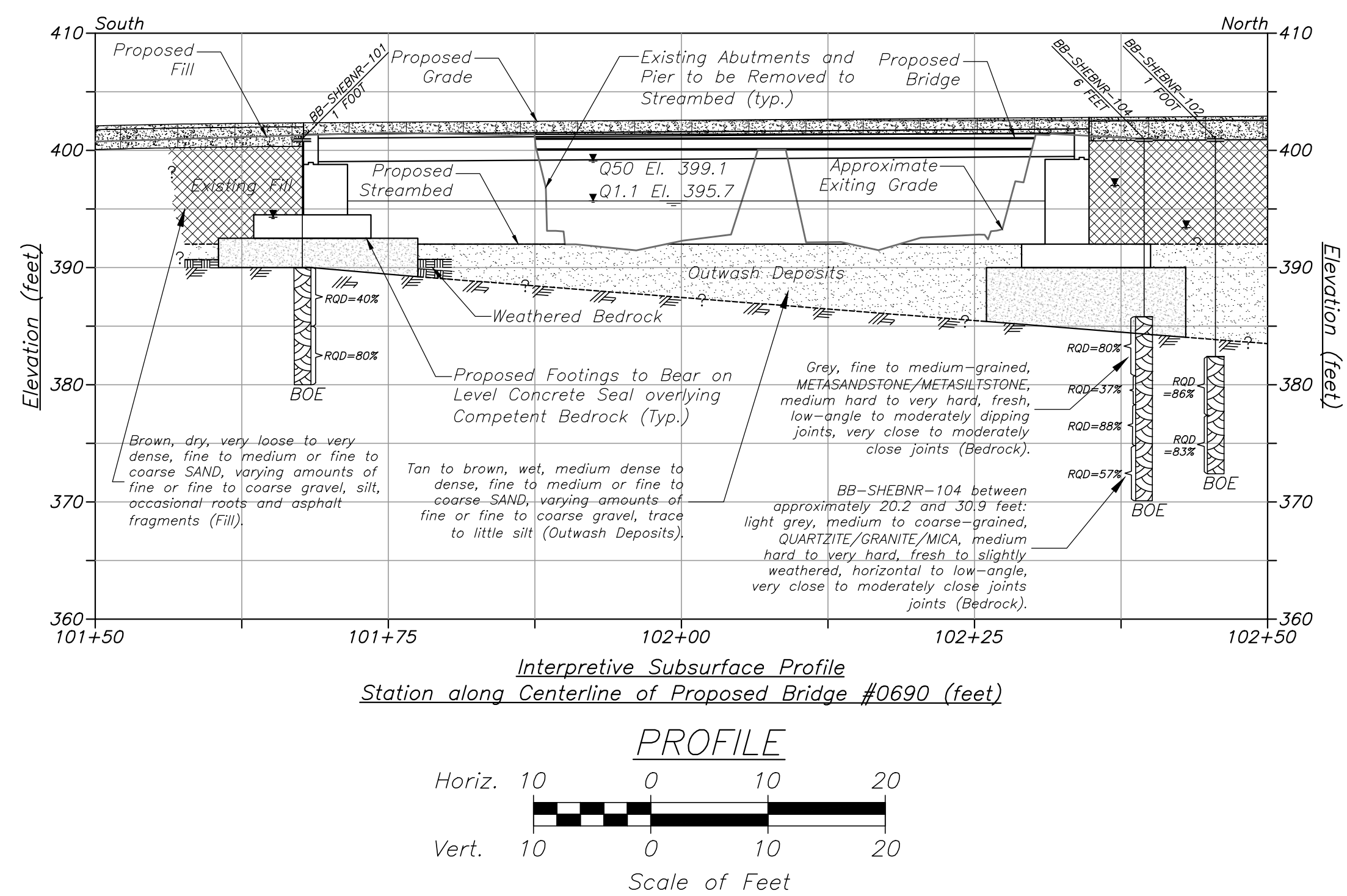
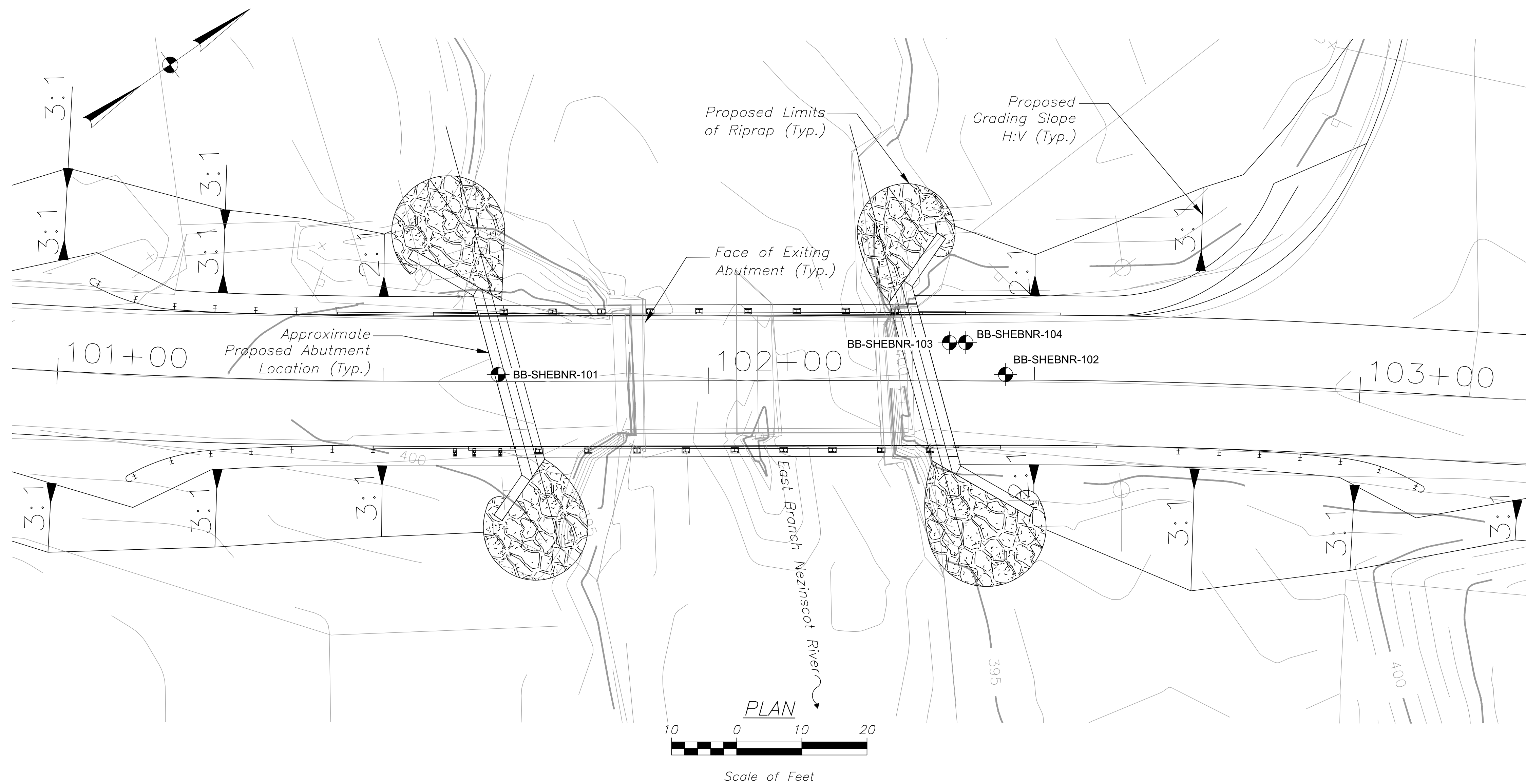


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
21705.00
WIN
21705.00
BRIDGE NO. 0690
BRIDGE PLANS

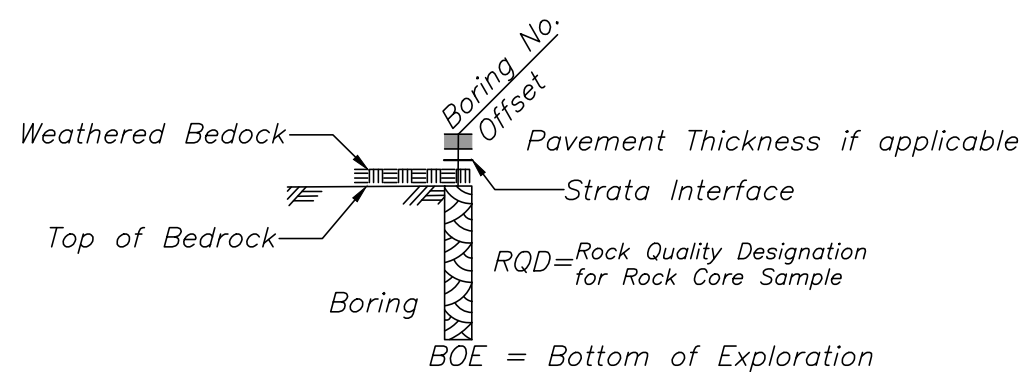
PROJ. MANAGER	BY	DATE
DESIGNED-DETAILED	M.W. Smith	10/18
CHECKED-REVIEWED	J. French	10/18
DESIGNED-DETAILED	M.C. Smith	10/18
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

FIELDS BRIDGE
EAST BRANCH NEZINSCOT RIVER
SUMNER-HARTFORD OXFORD COUNTY
PROFILE

SHEET NUMBER
4
OF 35



Legend

 BB-SHEBNR-101 *Boring location observed by Nobis*

Note:

1. For additional information relating to the nature and results of the test borings observed by Nobis, refer to the Nobis Geotechnical Design Basis Letters dated August, 2017, and January, 2018.

Note:

1. *This generalized interpretive soil profile is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced subsurface explorations and samples. Actual soil transitions may vary. For more specific information refer to the Nobis Boring Logs.*

SHEET NUMBER	OF 35 5			
	FIELDS BRIDGE EAST BRANCH NEZINSCOT RIVER SUMNER-HARTFORD OXFORD COUNTY BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE			
PROJ. MANAGER	B. Waterman	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 21705.00 WIN 21705.00 BRIDGE NO. 0690 BRIDGE PLANS
DESIGN-DETAILED	P. Clarke			
CHECKED-REVIEWED	B. Waterman			
DESIGN2-DETAILED2			SIGNATURE	
DESIGN3-DETAILED3				
REVISIONS 1			P.E. NUMBER	
REVISIONS 2				
REVISIONS 3				
REVISIONS 4			DATE	
FIELD CHANGES				

OF 35	SHEET NUMBER C5	FIELDS BRIDGE	PROJ. MANAGER	B. Waterman	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 21705.00 WIN 21705.00	
		EAST BRANCH NEZINSCOT RIVER	DESIGN--DETAILED	P. Clarke				
		SUMNER--HARTFORD OXFORD COUNTY	CHECKED--REVIEWED	B. Waterman				SIGNATURE
			DESIGN2--DETAILED2					
			DESIGN3--DETAILED3					
			REVISONS 1					P.E. NUMBER
	BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE	REVISONS 2						
		REVISONS 3						
		REVISONS 4				DATE		
		FIELD CHANGES					BRIDGE NO. 0690	

SHEET NUMBER OF 35	FIELDS BRIDGE EAST BRANCH NEZINSCOT RIVER SUMNER—HARTFORD OXFORD COUNTY BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE	PROJ. MANAGER	B. Waterman	BY	DATE
		DESIGN—DETAILED	P. Clarke		
		CHECKED—REVIEWED	B. Waterman		
		DESIGN2—DETAILED2			SIGNATURE
		DESIGN3—DETAILED3			
		REVISED			P.E. NUMBER
	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	REVISED			
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	BRIDGE NO. 0690	WIN	21705.00	BRIDGE PLANS	

OF 35	SHEET NUMBER C5	FIELDS BRIDGE	PROJ. MANAGER	B. Waterman	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 21705.00 WIN 21705.00	
		EAST BRANCH NEZINSCOT RIVER	DESIGN--DETAILED	P. Clarke				
		SUMNER--HARTFORD OXFORD COUNTY	CHECKED--REVIEWED	B. Waterman				SIGNATURE
			DESIGN2--DETAILED2					
			DESIGN3--DETAILED3					
			REVISONS 1					P.E. NUMBER
	BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE	REVISONS 2						
		REVISONS 3						
		REVISONS 4				DATE		
		FIELD CHANGES					BRIDGE NO. 0690	

OF 35	
SHEET NUMBER	FIELDS BRIDGE EAST NEZINSCOT RIVER SUMNER—HARTFORD OXFORD COUNTY
	P.R.O.J. MANAGER B. Waterman BY DATE DESIGN--DETAILED P. Clarke CHECKED--REVIEWED B. Waterman DESIGN2--DETAILED2 DESIGN3--DETAILED3 REVISED P.E. NUMBER REVISEMENTS 1 REVISEMENTS 2 REVISEMENTS 3 REVISEMENTS 4 FIELD CHANGES
BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE	DATE
STATE OF MAINE DEPARTMENT OF TRANSPORTATION 21705.00 WIN BRIDGE NO. 0690 21705.00 BRIDGE PLANS	

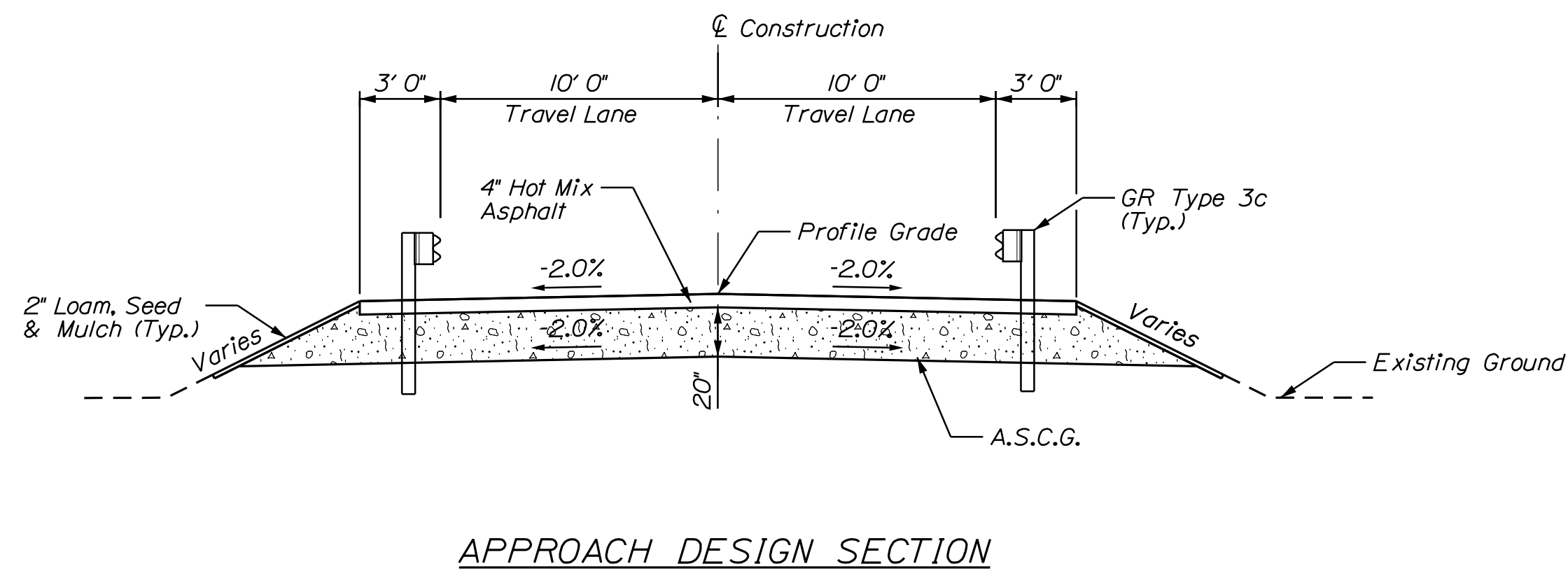
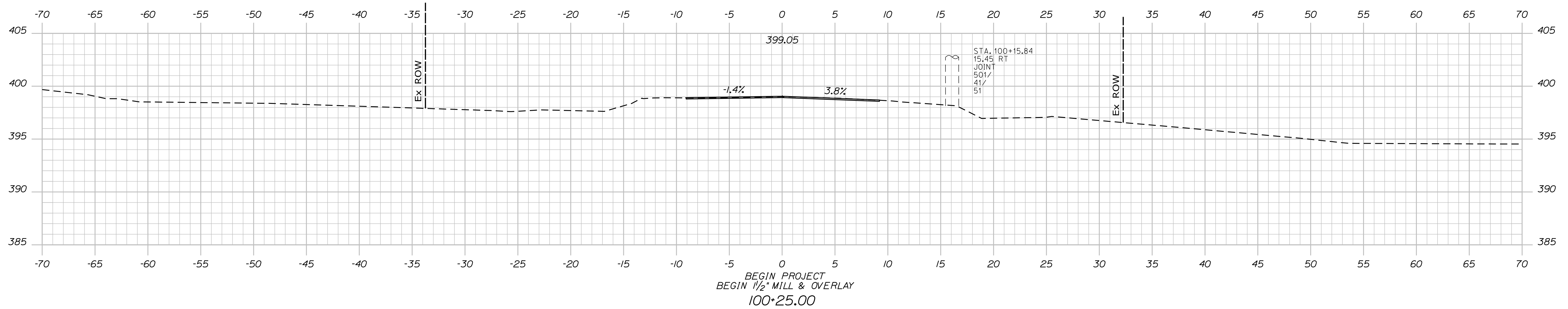
SHEET NUMBER OF 35	FIELDS BRIDGE EAST BRANCH NEZINSCOT RIVER SUMNER—HARTFORD OXFORD COUNTY BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE	PROJ. MANAGER	B. Waterman	BY	DATE			
		DESIGN—DETAILED	P. Clarke					
		CHECKED—REVIEWED	B. Waterman					
		DESIGN2—DETAILED2			SIGNATURE			
		DESIGN3—DETAILED3						
		REVISED			P.E. NUMBER			
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		CHECKED—REVIEWED	B. Waterman					
		DESIGN2—DETAILED2			SIGNATURE			
		DESIGN3—DETAILED3						
		REVISED			P.E. NUMBER			
	BRIDGE NO. 0690	WIN	21705.00	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	21705.00			
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		DESIGN—DETAILED	P. Clarke		
		CHECKED—REVIEWED	B. Waterman		
		DESIGN2—DETAILED2			SIGNATURE
		DESIGN3—DETAILED3			
		REVISIONS 1			P.E. NUMBER
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REVISIONS 3					
REVISIONS 4			DATE		
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DEPARTMENT OF TRANSPORTATION					
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BRIDGE NO. 0690 WIN 21705.00 BRIDGE PLANS					

OF 35	SHEET NUMBER C5	FIELDS BRIDGE	PROJ. MANAGER	B. Waterman	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 21705.00 WIN 21705.00	
		EAST BRANCH NEZINSCOT RIVER	DESIGN--DETAILED	P. Clarke				
		SUMNER--HARTFORD OXFORD COUNTY	CHECKED--REVIEWED	B. Waterman				SIGNATURE
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			DESIGN3--DETAILED3					
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		FIELD CHANGES					BRIDGE NO. 0690	

SHEET NUMBER	OF 35 5			
	FIELDS BRIDGE EAST BRANCH NEZINSCOT RIVER SUMNER—HARTFORD OXFORD COUNTY BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE			
PROJ. MANAGER	B. Waterman	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 21705.00 WIN 21705.00 BRIDGE NO. 0690 BRIDGE PLANS
DESIGN—DETAILED	P. Clarke			
CHECKED—REVIEWED	B. Waterman			
DESIGN2—DETAILED2			SIGNATURE	
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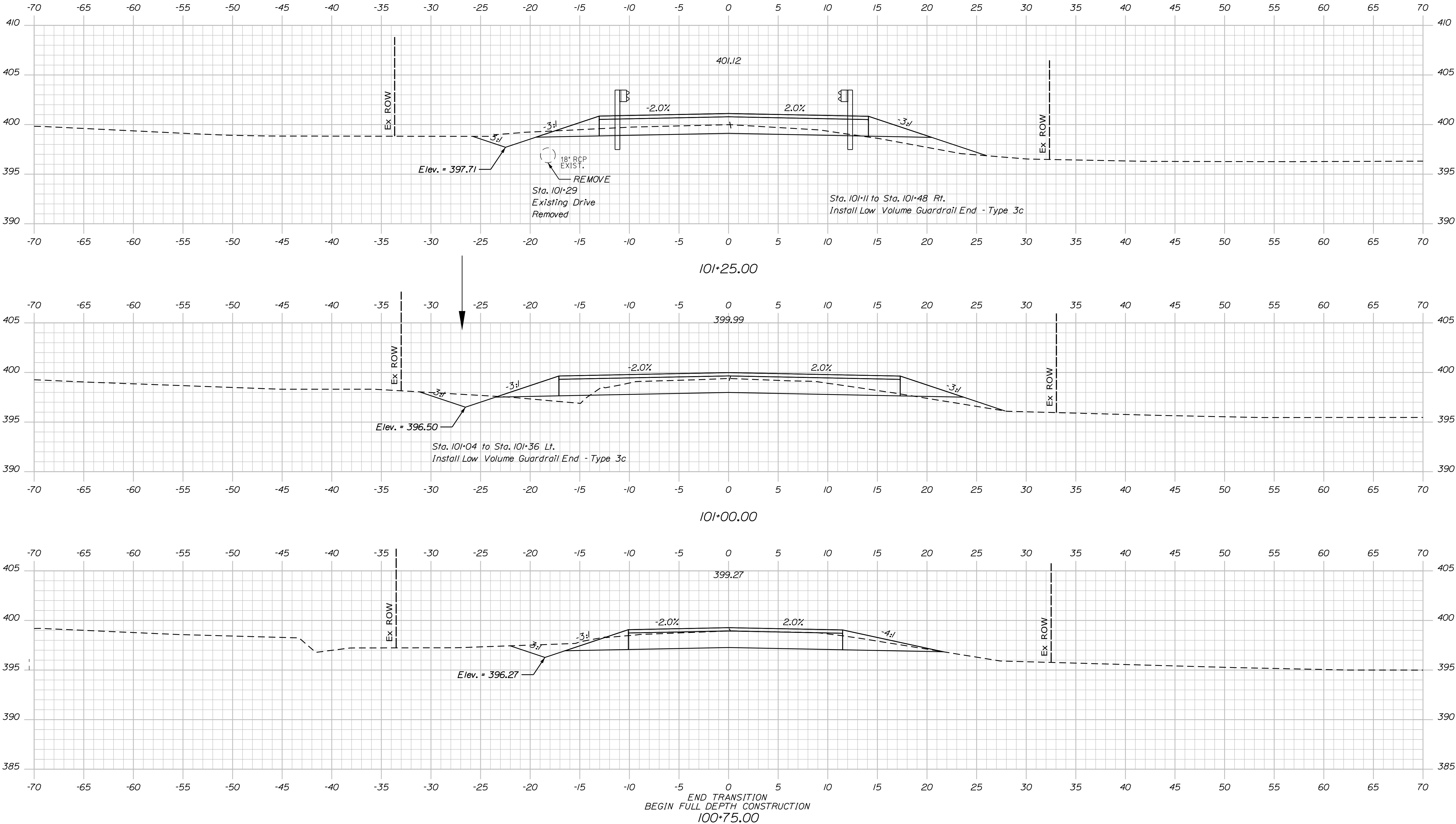
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			DESIGN-DETAIL ED		M.W. Smith	10/18
			CHECKED-REVIEWED		L. Greer	10/18
			DESIGN2-DETAIL ED2		M.C. Smith	10/18
			DESIGN3-DETAIL ED3			
2	CROSS SECTIONS		REVISIONS 1		P.E. NUMBER	
			REVISIONS 2			
			REVISIONS 3			
			REVISIONS 4		DATE	
			FIELD CHANGES			
STATE OF MAINE						
DEPARTMENT OF TRANSPORTATION						
21705.00						
BRIDGE NO. 0690		WIN				
21705.00		BRIDGE PLANS				

Date:10/24/2018

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Division: HIGHWAY

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

21705.00

BRIDGE NO. 0690

WIN
21705.00

BRIDGE PLANS

PROJ. MANAGER	DESIGNED	CHECKED	REVIEWED	DATE	BY	DATE
E. Carrier	M.W. Smith	L. Crer	10/18			
E. Moberg	M.C. Smith	L. Crer	10/18			
DESIGNED	REVIEWED	DATE				
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FIELD CHANGES						

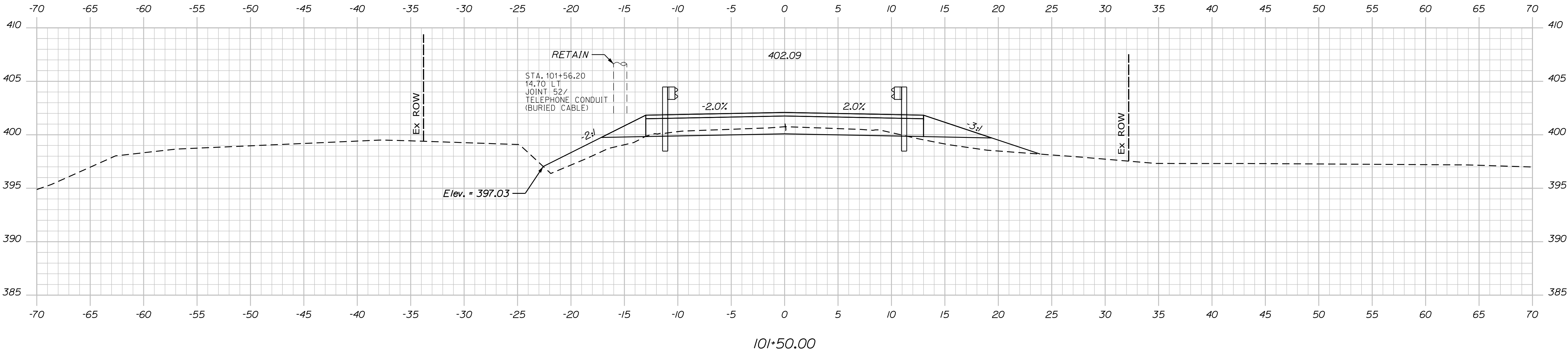
FIELDS BRIDGE
EAST BRANCH NEZINSCOT RIVER
SUMNER-HARTFORD OXFORD COUNTY

CROSS SECTIONS

SHEET NUMBER

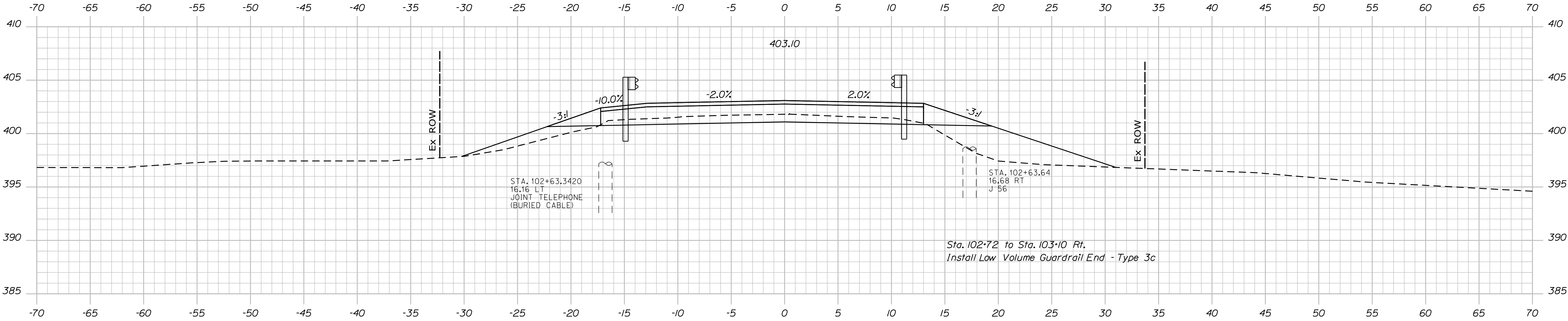
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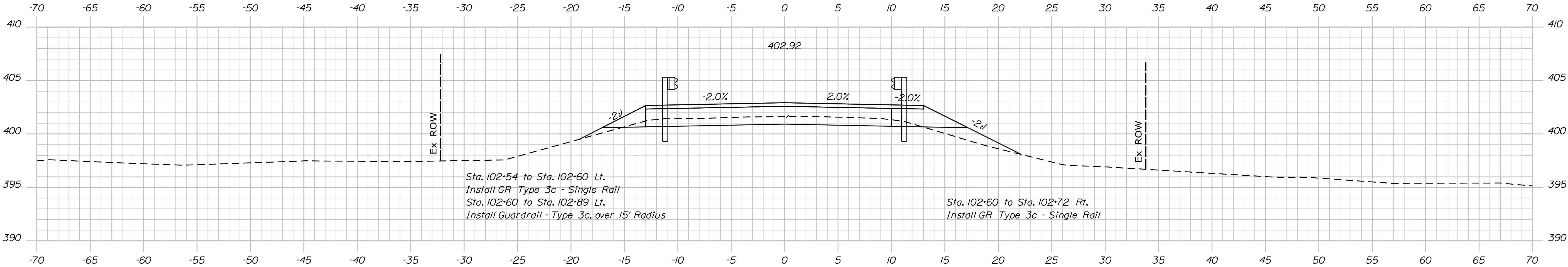


BRIDGE
STA. 101+70 TO STA. 102+32

FIELDS BRIDGE										DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION					
EAST BRANCH NEZINSCOT RIVER										BY				10/18			
SUMNER-HARTFORD OXFORD COUNTY										PROJ. MANAGER				SIGNATURE			
										DESIGN-DETAILED				E. Carrier		M.W. Smith	
										CHECKED-REVIEWED				S. Beaumont		L. Greer	
										DESIGN2-DETAILED2		E. Moloney		M.G. Smith		10/18	
										DESIGN3-DETAILED3						P.E. NUMBER	
CROSS SECTIONS										REVISIONS 1							
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										REVISIONS 4							
										FIELD CHANGES							
										DATE		BRIDGE NO. 0690		WIN 21705.00		BRIDGE PLANS	



102+75.00



102+50.00

BRIDGE
STA. 101+70 TO STA. 102+32

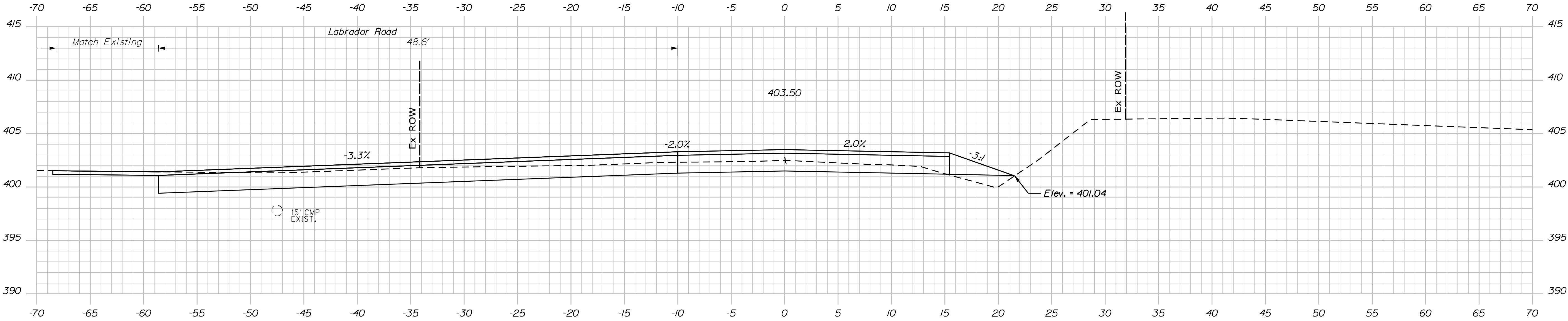
SHEET NUMBER				10				OF 35			
FIELDS BRIDGE				EAST BRANCH NEZINSCOT RIVER				SUMNER-HARTFORD OXFORD COUNTY			
PROJ. MANAGER		BY		DATE							
DESIGN-DETAILED		E. Carrier		10/18							
CHECKED-REVIEWED		S. Beaumont		10/18				SIGNATURE			
DESIGN2-DETAILED2		E. Moloney		10/18							
DESIGN3-DETAILED3								P.E. NUMBER		21705.00	
REVISIONS 1											
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								BRIDGE NO. 0690			
								WIN			
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								STATE OF MAINE			
								DEPARTMENT OF TRANSPORTATION			

Date:10/24/2018

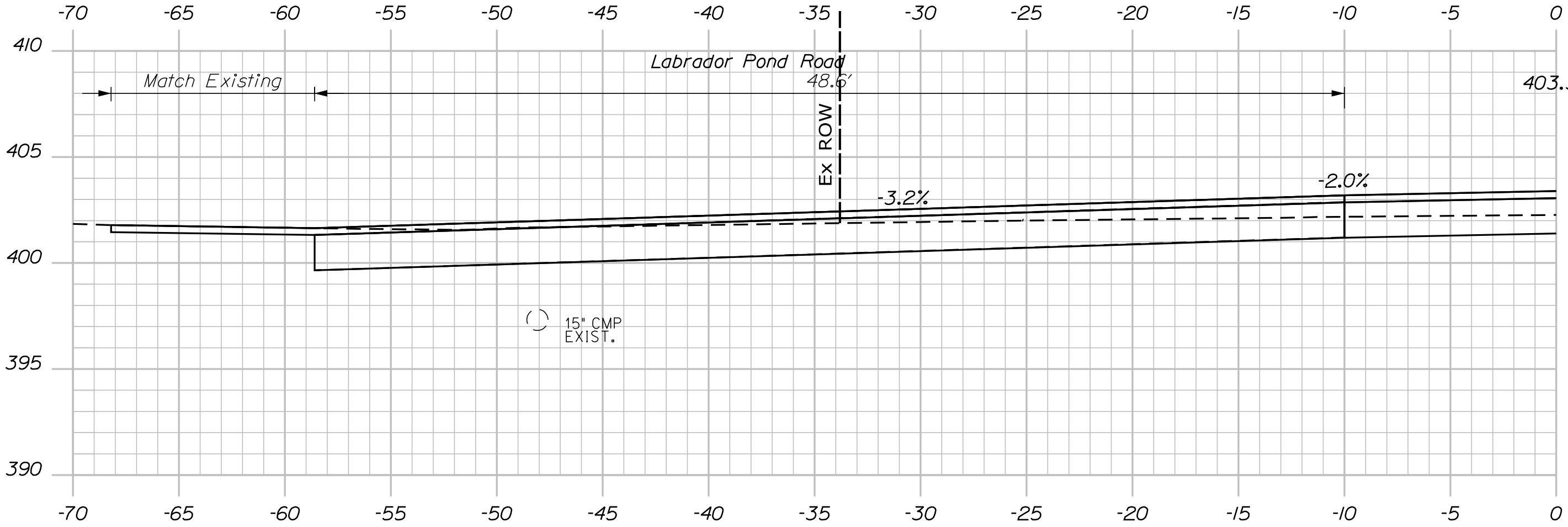
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Division: HIGHWAY

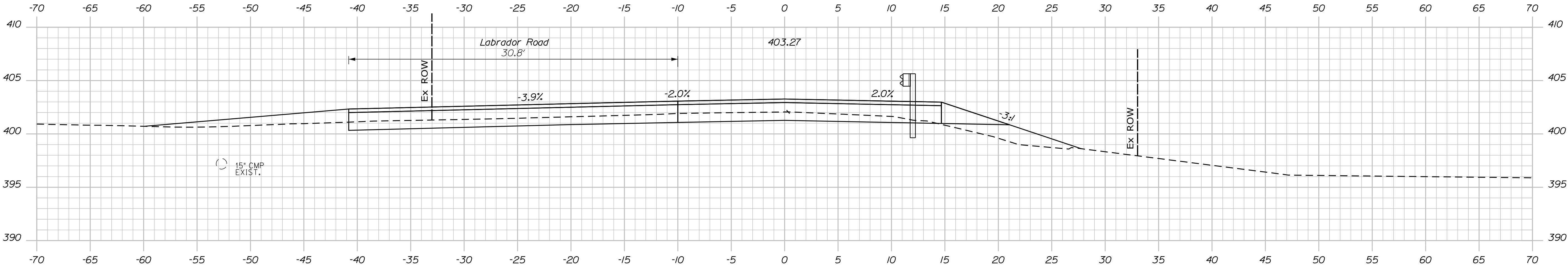
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103+25.00



103+16.50



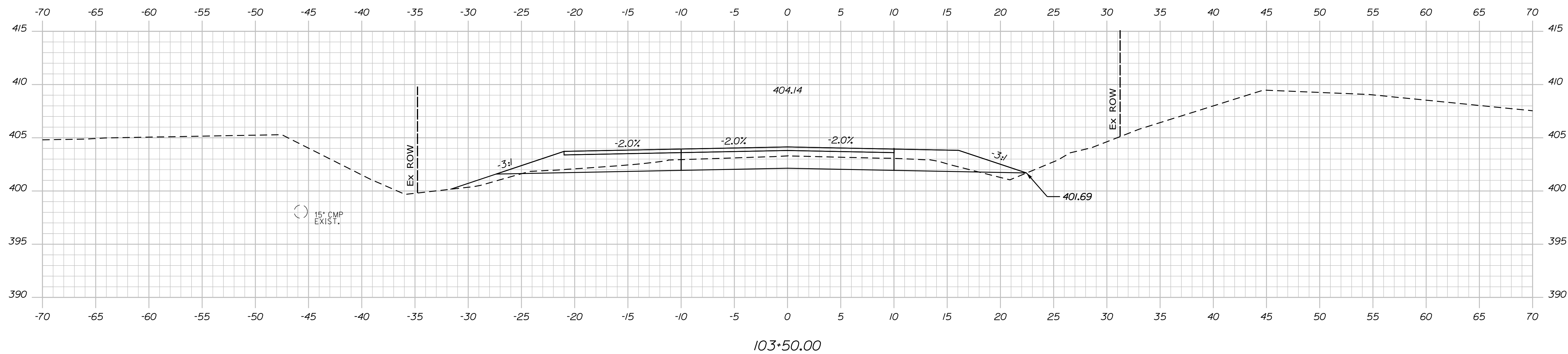
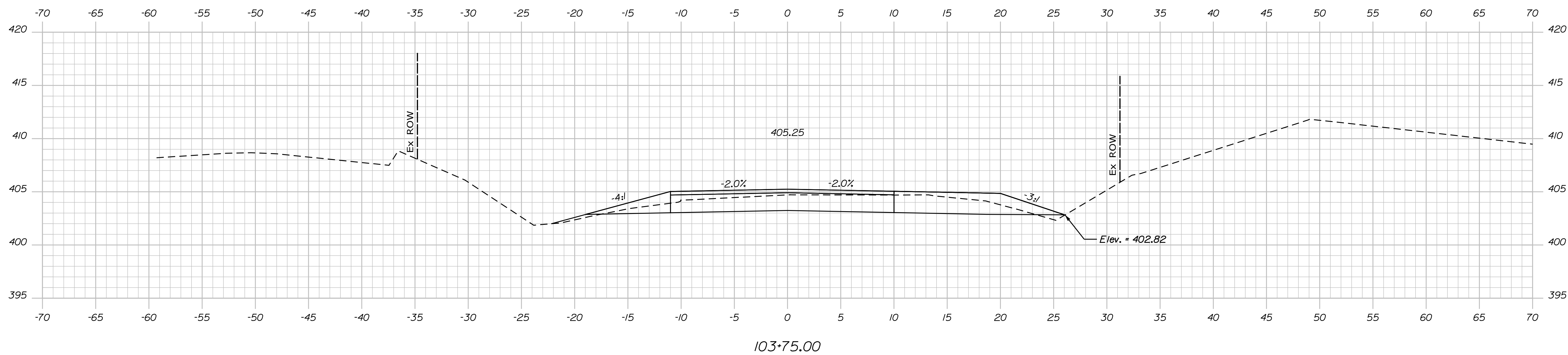
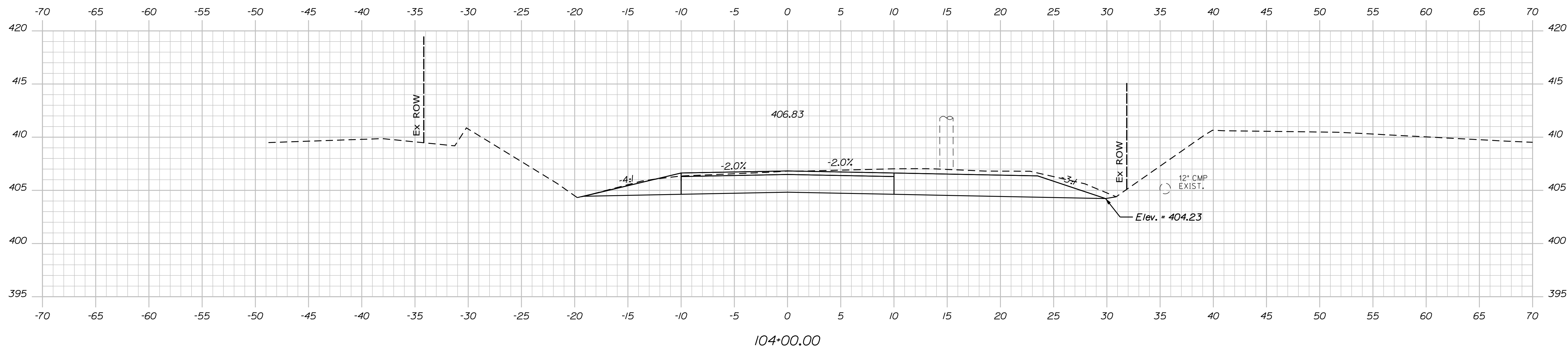
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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		
	21705.00	
	WIN	21705.00
BRIDGE NO. 0690		
BRIDGE PLANS		

PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	M.W. Smith	10/18
CHECKED-REVIEWED	L. Crer	10/18
DESIGN-DETAILED	M.C. Smith	10/18
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

FIELDS BRIDGE EAST BRANCH NEZINSCOT RIVER SUMNER-HARTFORD OXFORD COUNTY		
	SIGNATURE	
	P.E. NUMBER	

SHEET NUMBER
11
OF 35



STATE OF MAINE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

21705.00

WIN
1705.0

21705.00

3BRIDGE NO. 0690

BRIDGE PLANS

PROJ. MANAGER		BY	DATE
DESIGN-DETAILED	E. Carrier	M.W. Smith	10/18
CHECKED-REVIEWED	S. Beaumont	L. O'reer	10/18
DESIGN2-DETAILED2	E. Maloney	M.C. Smith	10/18
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE			
P.E. NUMBER			
DATE			

FIELDS BRIDGE
EAST BRANCH NEZINSCOT RIVER
SUMNER-HARTFORD OXFORD COUNTY

CROSS SECTIONS

SHEET NUMBER

12

OF 35

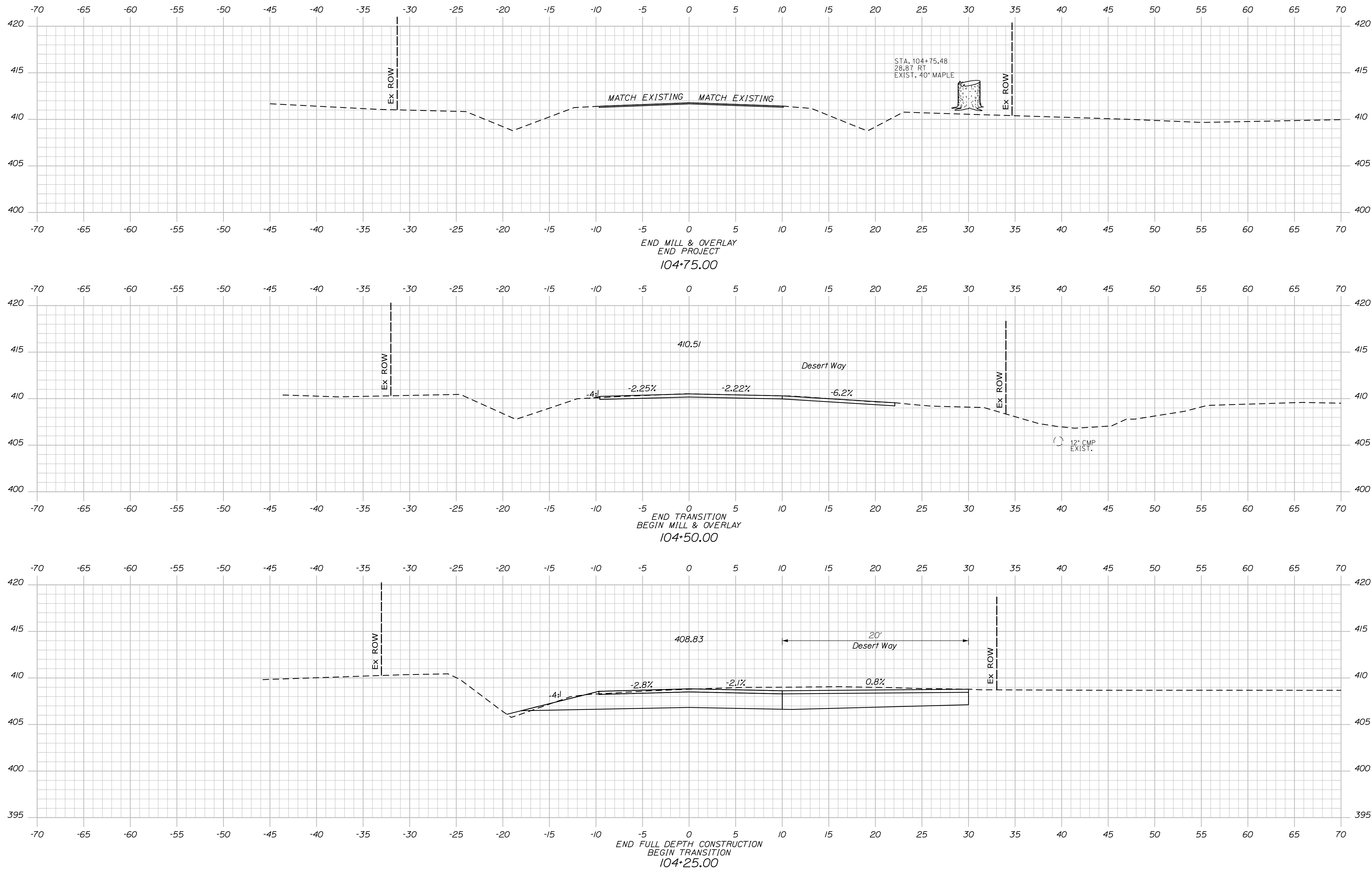
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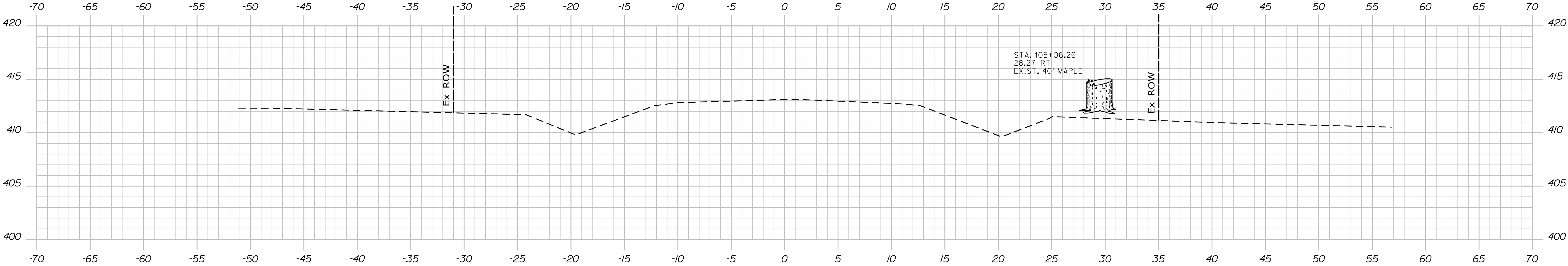
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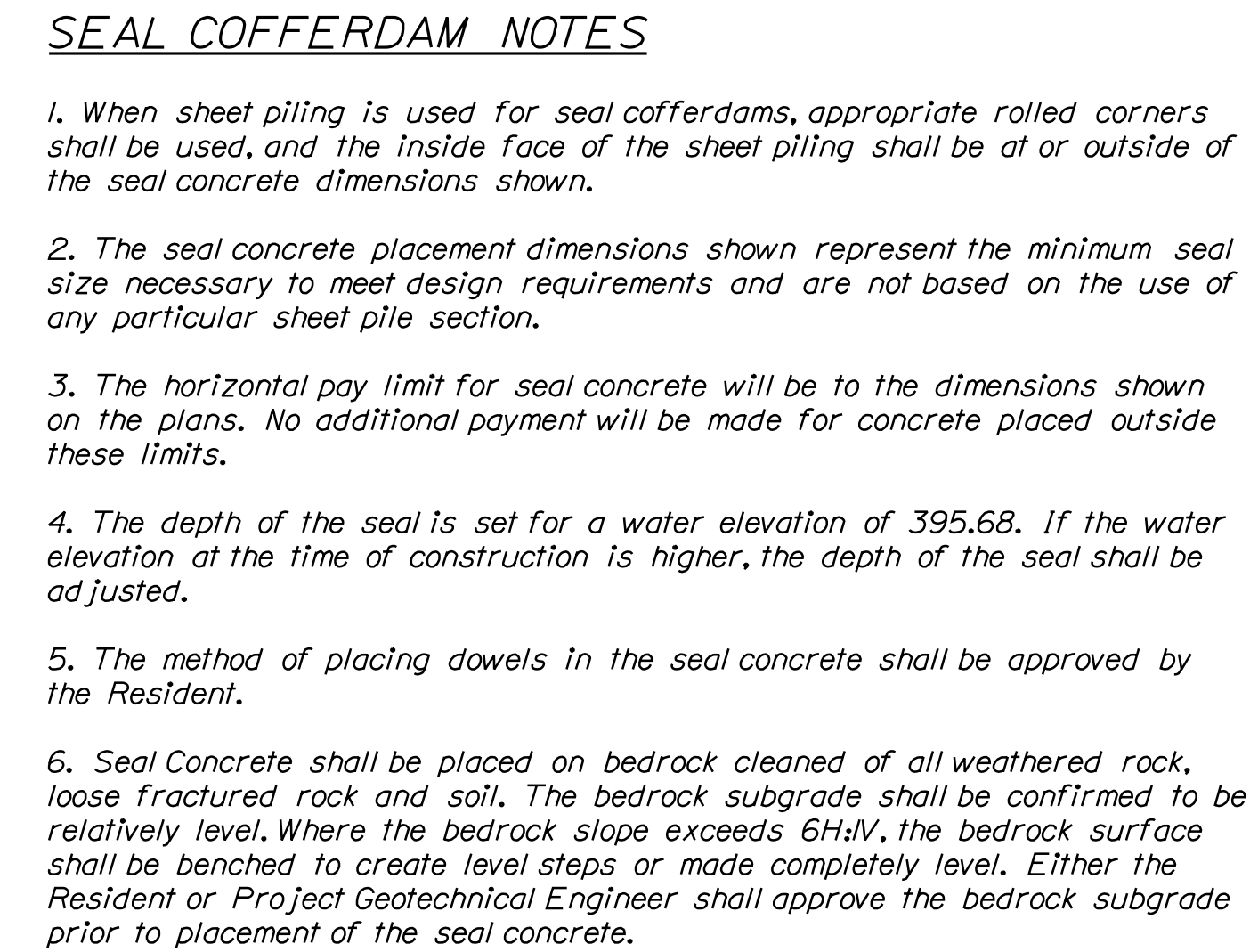
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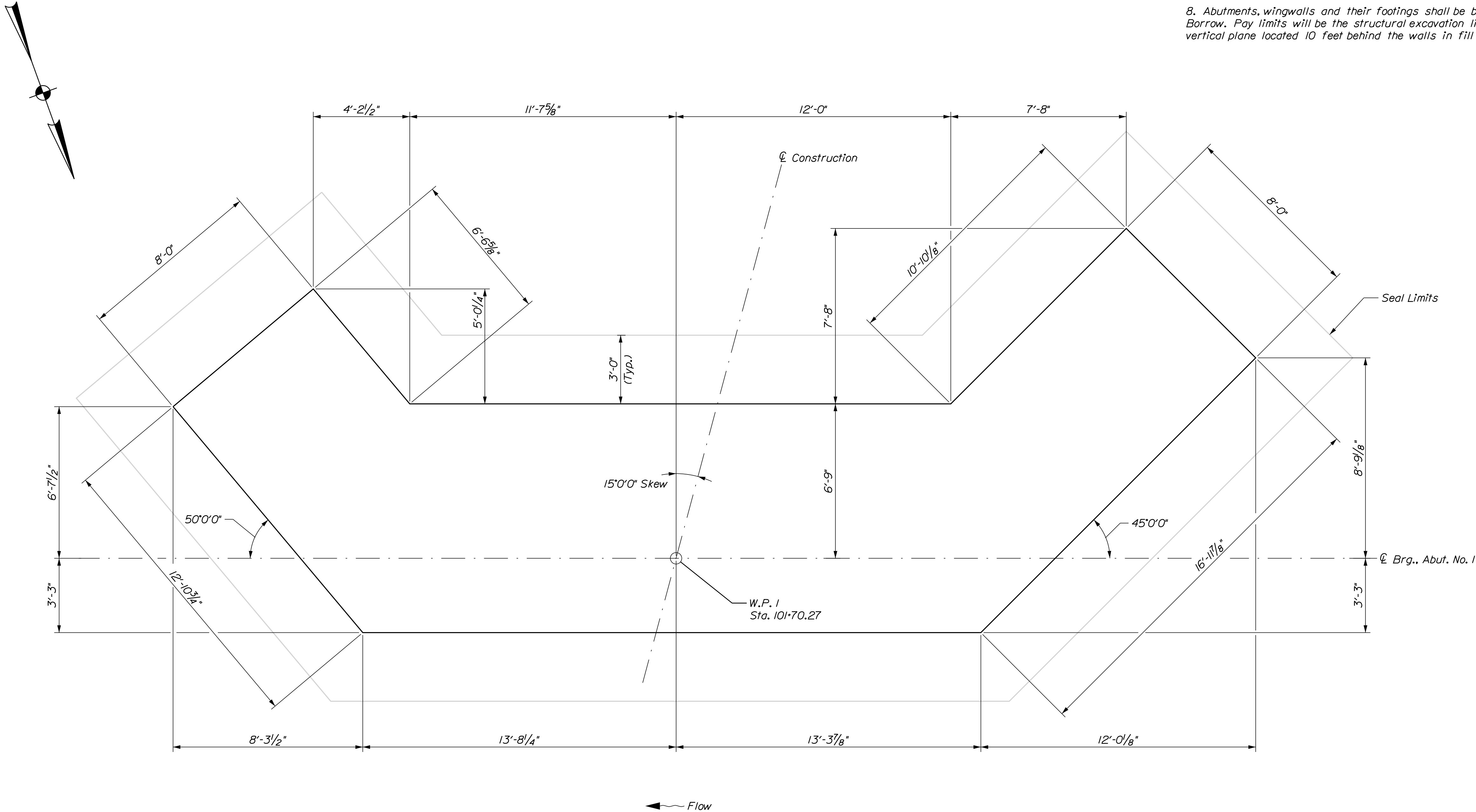




SHEET NUMBER		FIELDS BRIDGE				PROJ. MANAGER		BY	DATE	STATE OF MAINE	
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		SUMNER-HARTFORD OXFORD COUNTY				CHECKED-REVIEWED		S. Beaumont	L. Greer	10/18	
						DESIGN2-DETAILED2		E. Moloney	M.G. Smith	10/18	
						DESIGN3-DETAILED3					P.E. NUMBER
						REVISIONS 1					
						REVISIONS 2					
						REVISIONS 3					
						REVISIONS 4					
						FIELD CHANGES					
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											WIN
											21705.00
											BRIDGE PLANS



ABUTMENT NO. 1 SEAL PLAN

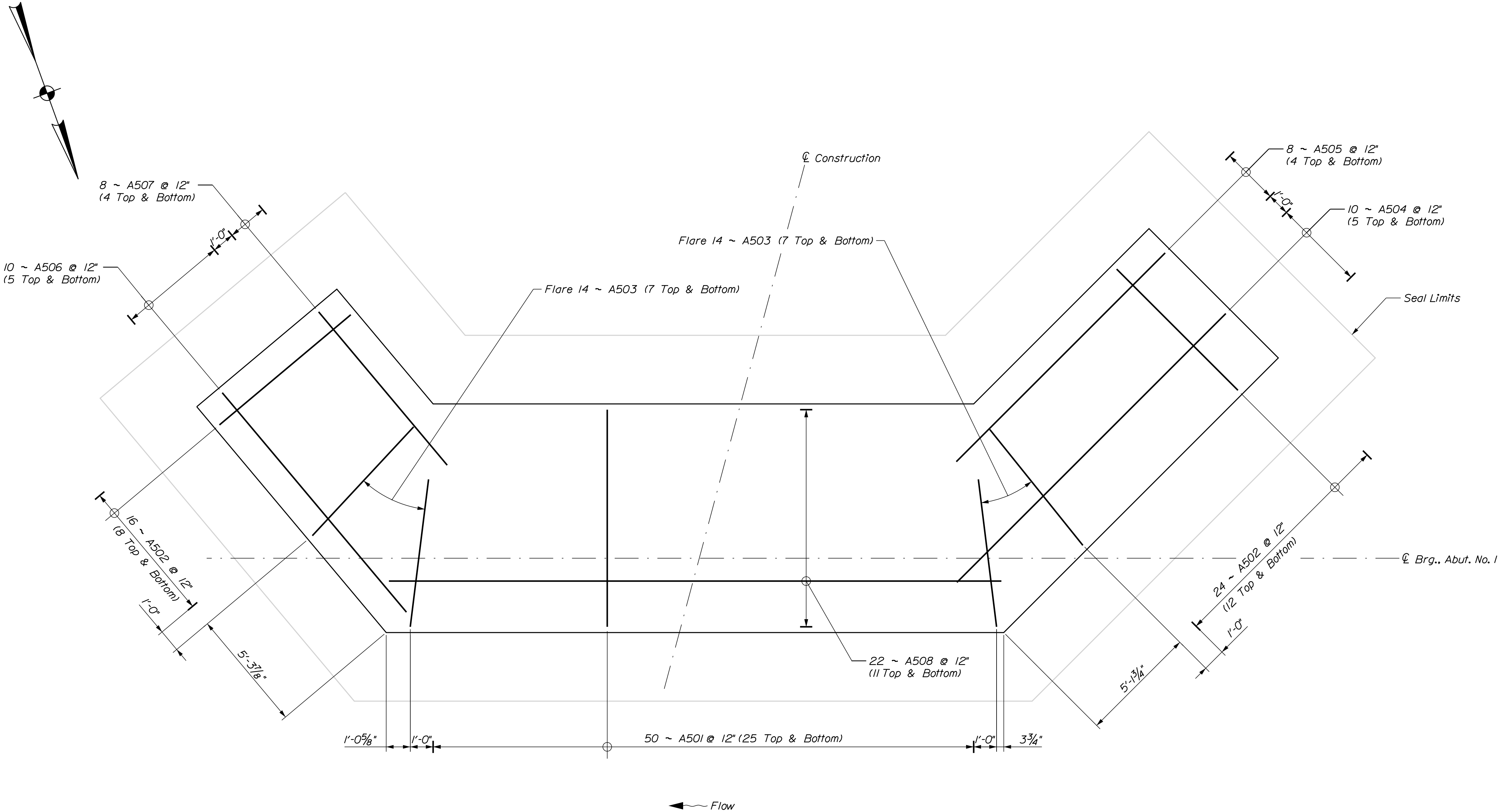


ABUTMENT NO. 1 FOOTING PLAN

ABUTMENT NOTES

1. The maximum factored applied footing pressure is 8.67 ksf at the Strength I Limit State.
2. Structural Earth Excavation required more than 12 inches below the bottom of the structure will be paid for in accordance with Standard Specifications Section 206, Structural Excavation.
3. Reinforcing steel shall have a minimum concrete cover of 2 inches in the walls and 3 inches in the footings unless otherwise noted.
4. Place 4-in. diameter drains in the breastwall and wingwalls at 10-ft maximum spacing. The exact location will be determined by the Resident.
5. To ensure an accurate match with the superstructure, the parapet portions of the wingwalls shall be placed after erection of the precast units.
6. Cover joints where waterstops are not required in accordance with Standard Details Section 502.
7. Construct French Drains behind the abutments and wingwalls in accordance with Standard Specifications Section 512, French Drains.
8. Abutments, wingwalls and their footings shall be backfilled with Granular Borrow. Pay limits will be the structural excavation limits in cut areas and a vertical plane located 10 feet behind the walls in fill areas.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		21705.00		BRIDGE NO. 0690		BRIDGE PLANS	
FIELDS BRIDGE		EAST BRANCH NEZINSCOT RIVER		SUMNER-HARTFORD		OXFORD COUNTY		ABUTMENT NO. 1 FOOTING PLAN	
SHEET NUMBER		16		OF 35		WIN		21705.00	
PROJ. MANAGER		BY		DATE		SIGNATURE		P.E. NUMBER	
DESIGN-DETAILED		M.W. Smith		10/18		SIGNATURE		P.E. NUMBER	
CHECKED-REVIEWED		J. French		10/18		SIGNATURE		P.E. NUMBER	
DESIGN-DETAILED		M.G. Smith		10/18		SIGNATURE		P.E. NUMBER	
REVISIONS 1									
REVISIONS 2									
REVISIONS 3									
REVISIONS 4									
FIELD CHANGES									



ABUTMENT NO.1 FOOTING REINFORCING PLAN

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
		21705.00	
		WIN	
		21705.00	
		BRIDGE NO. 0690	
		BRIDGE PLANS	

PROJ. MANAGER	DESIGNED-DETAILED	E. Carrier	BY	M.W. Smith	DATE	10\18
CHECKED-REVIEWED	S. Beaumont	J. French			SIGNATURE	10\18
DESIGNED-DETAILED	E. Maloney	M.G. Smith			P.E. NUMBER	10\18
REVISIONS 1					DATE	
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

FIELDS BRIDGE	
EAST BRANCH NEZINSCOT RIVER	
SUMNER-HARTFORD OXFORD COUNTY	
ABUTMENT NO.1 FOOTING	
REINFORCEMENT PLAN	

SHEET NUMBER	
18	
OF 35	

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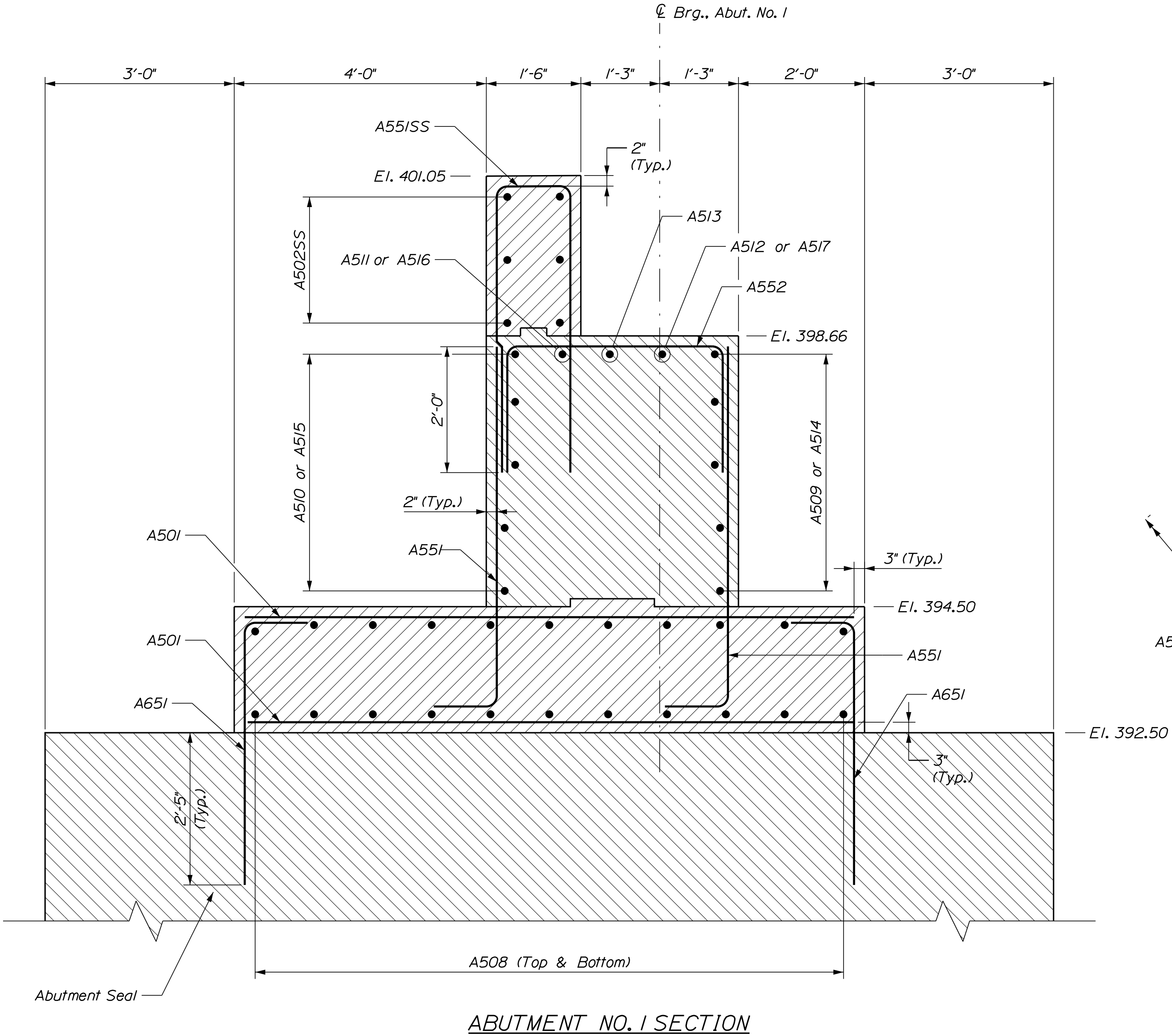


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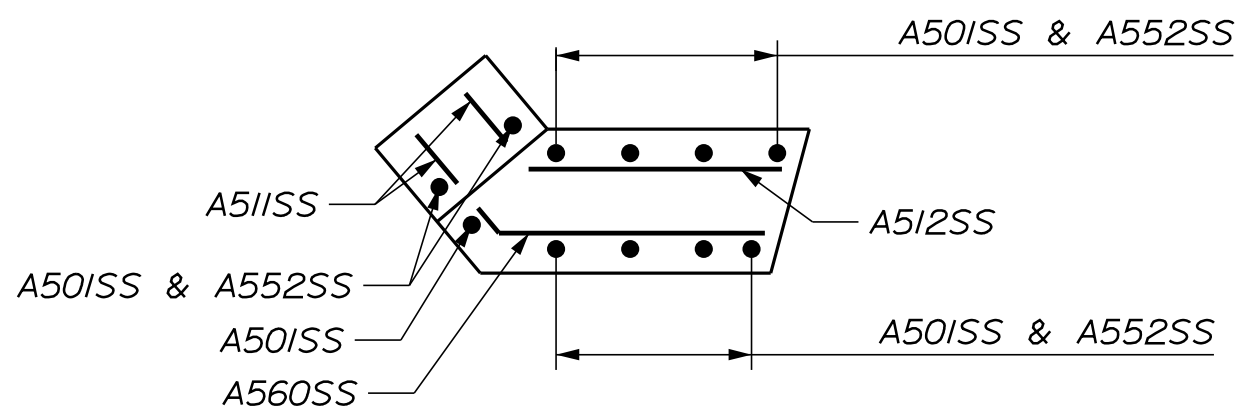
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OF 35

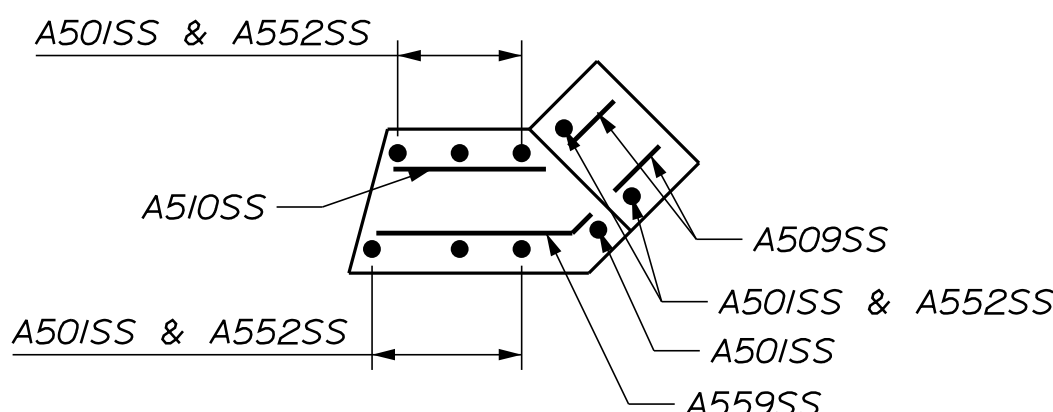
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<p> ABUTMENT NO. 1 REINFORCEMENT DETAILS </p>



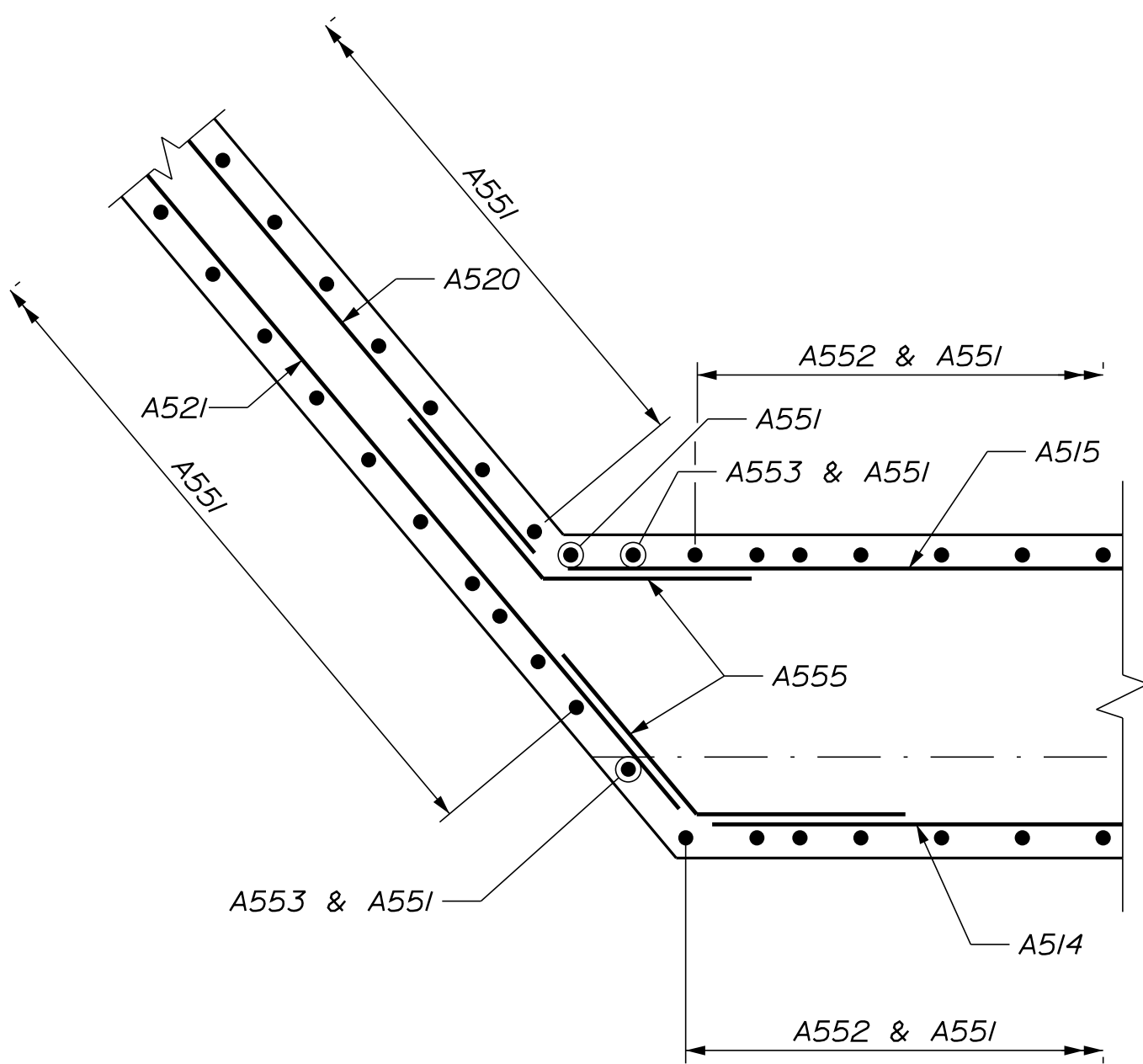
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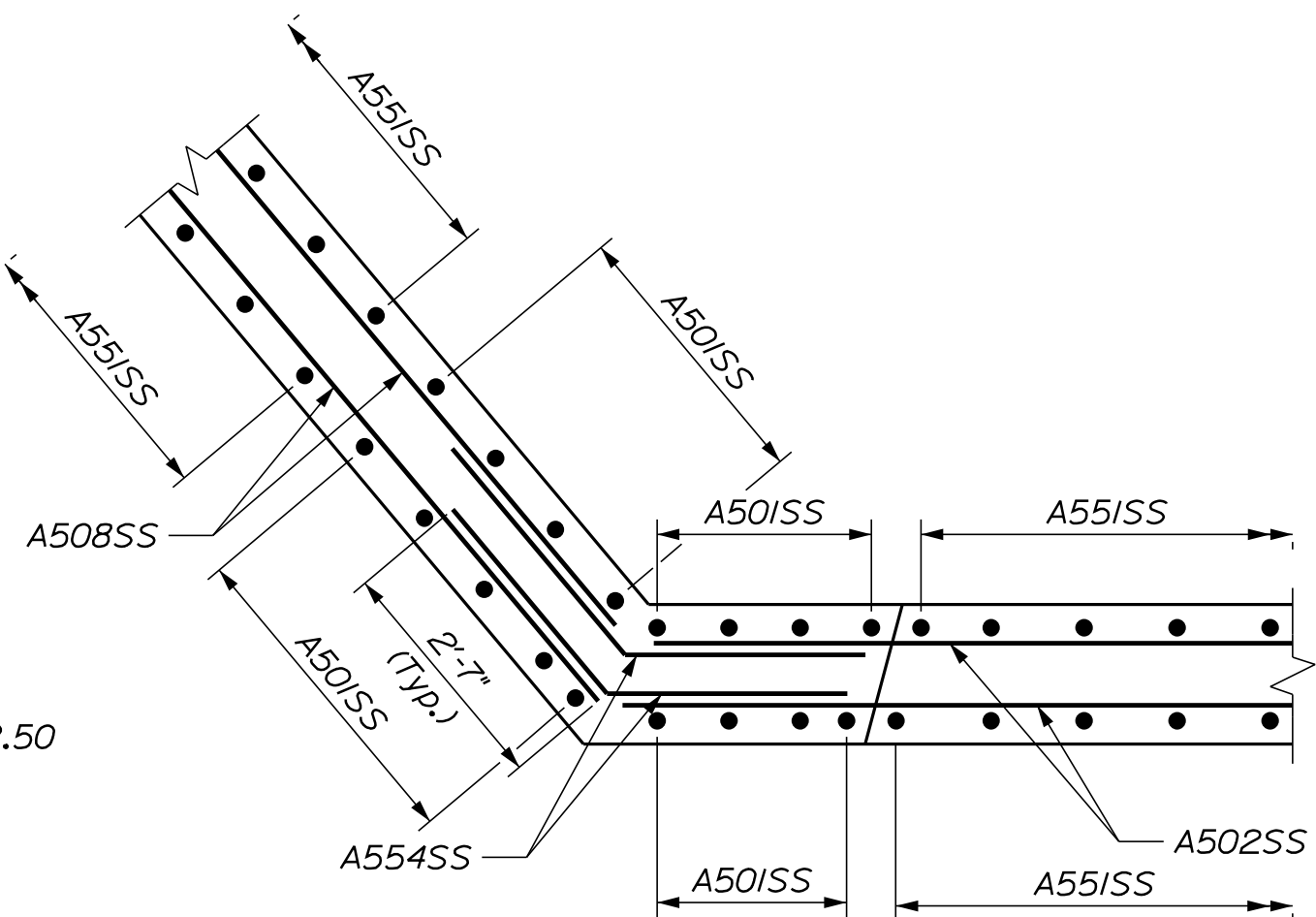
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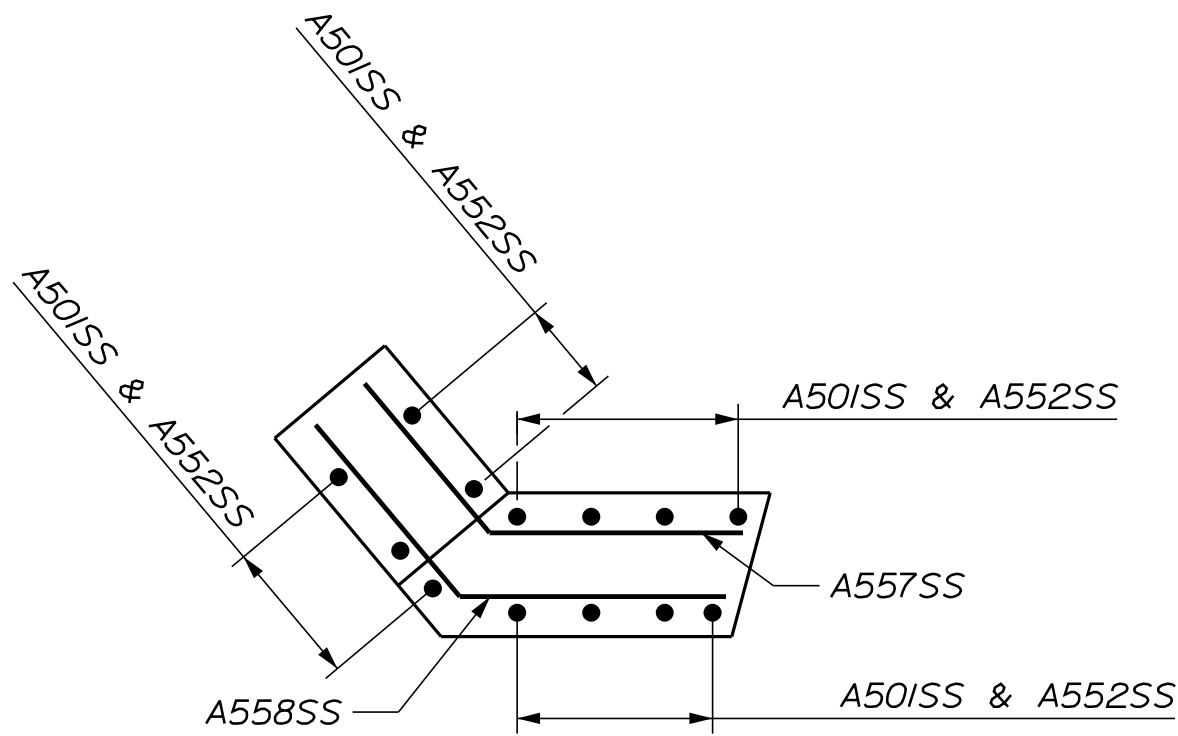
SECTION G-G



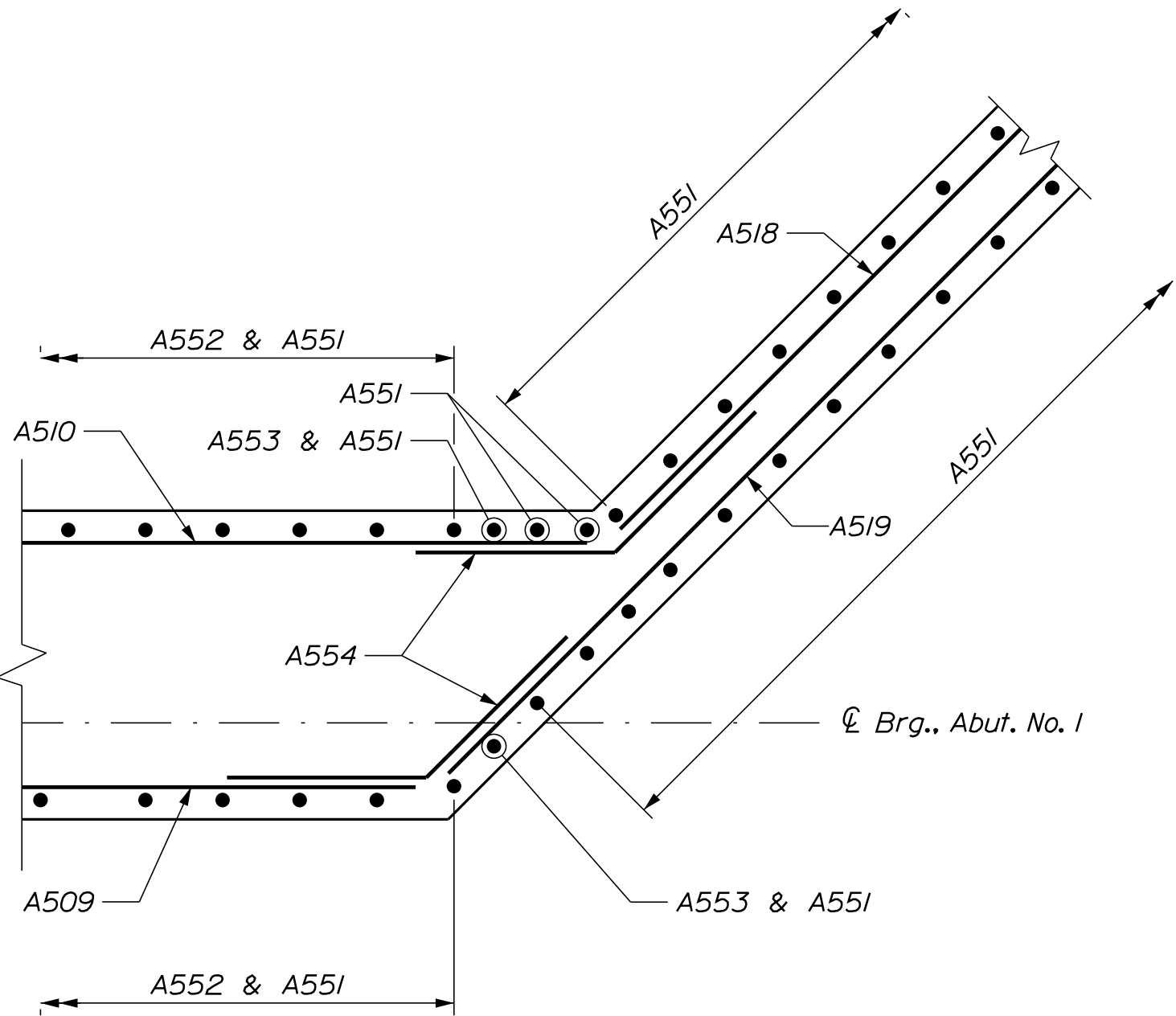
SECTION C-C
(Bars Above Horizontal Construction
Joint Removed for Clarity)



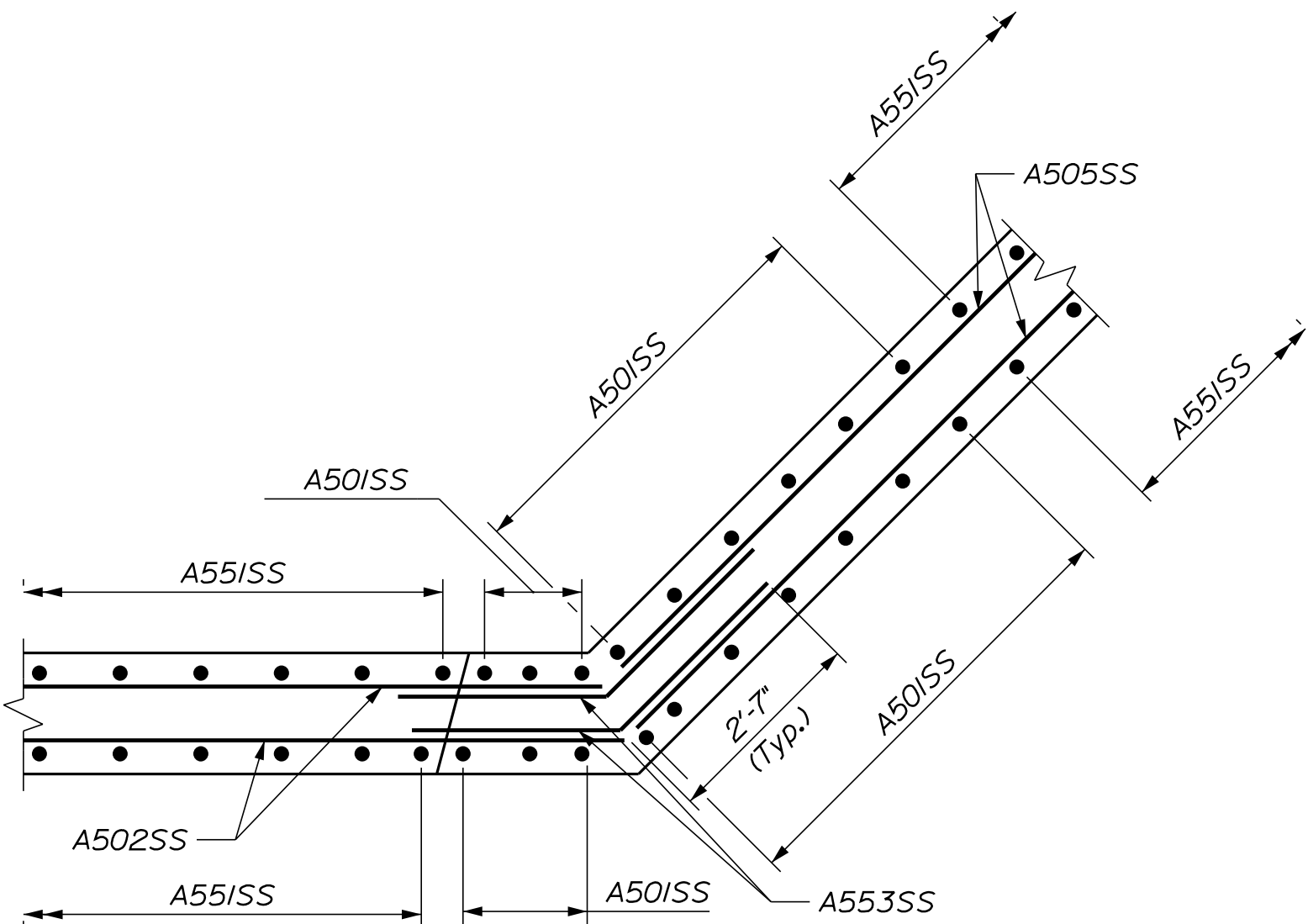
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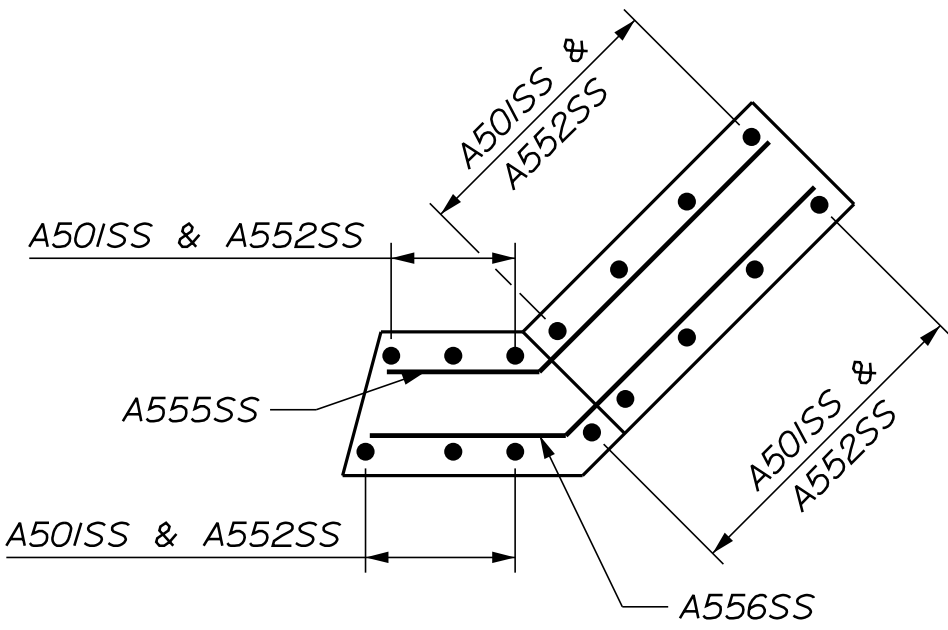
SECTION A-A



SECTION D-D
(Bars Above Horizontal Construction
Joint Removed for Clarity)



SECTION E-E



SECTION F-F

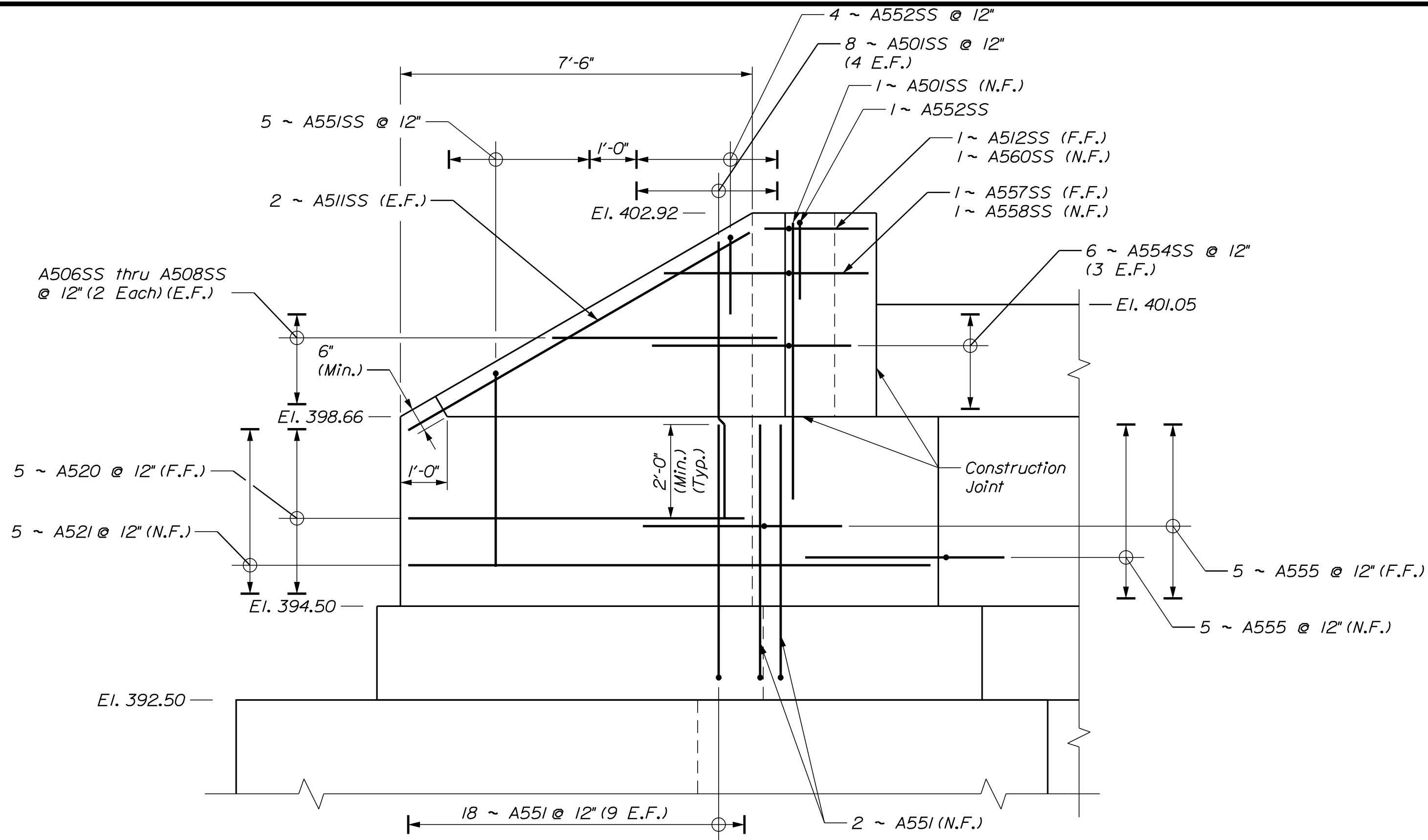
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				EAST BRANCH NEZINSCOT RIVER				DESIGN-DETAILED		E. Carrier	M.W. Smith			10/18	
				SUMNER-HARTFORD OXFORD COUNTY				CHECKED-REVIEWED		S. Beaumont	J. French			10/18	
				ABUTMENT NO. 1				DESIGN-DETAILED		D2	E. Moberly			M.G. Smith	10/18
								DESIGNS DETAIL D3		P.E. NUMBER					
REINFORCEMENT SECTIONS				REVISIONS 1					BRIDGE NO. 0690		WIN 21705.00				
				REVISIONS 2											
				REVISIONS 3											
				REVISIONS 4											
				FIELD CHANGES					DATE		BRIDGE PLANS				

Date:10/24/2018

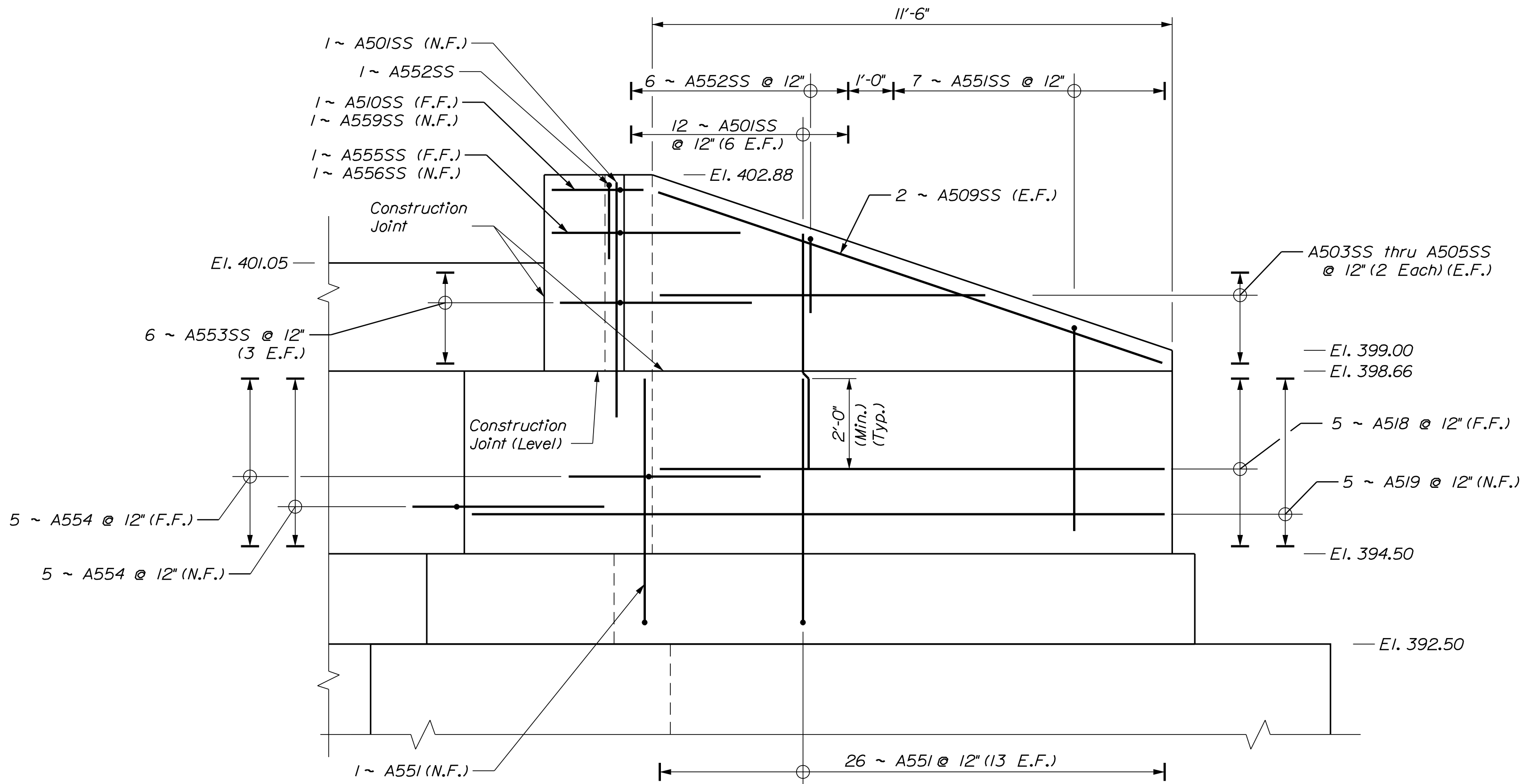
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Division: HIGHWAY

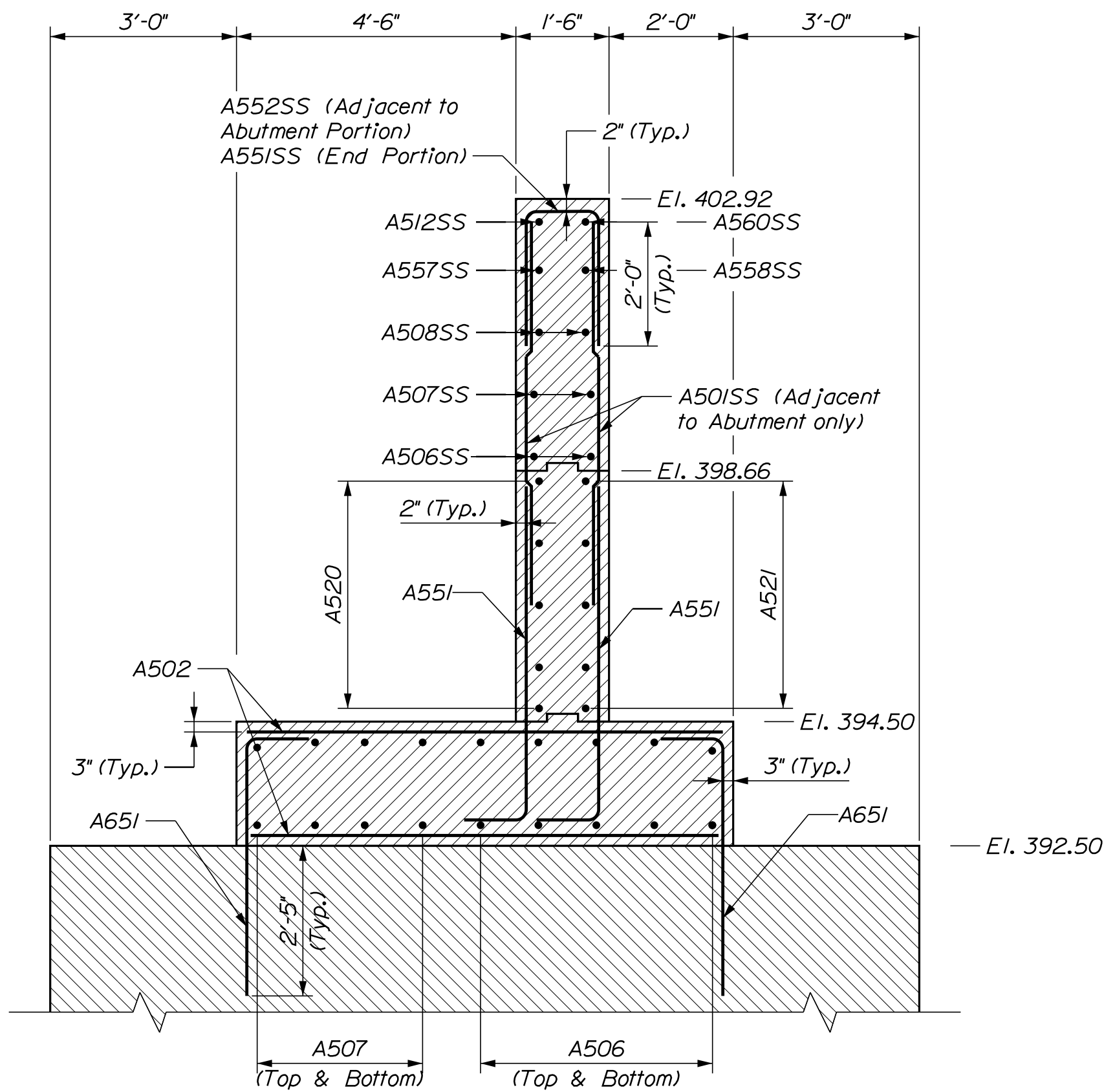
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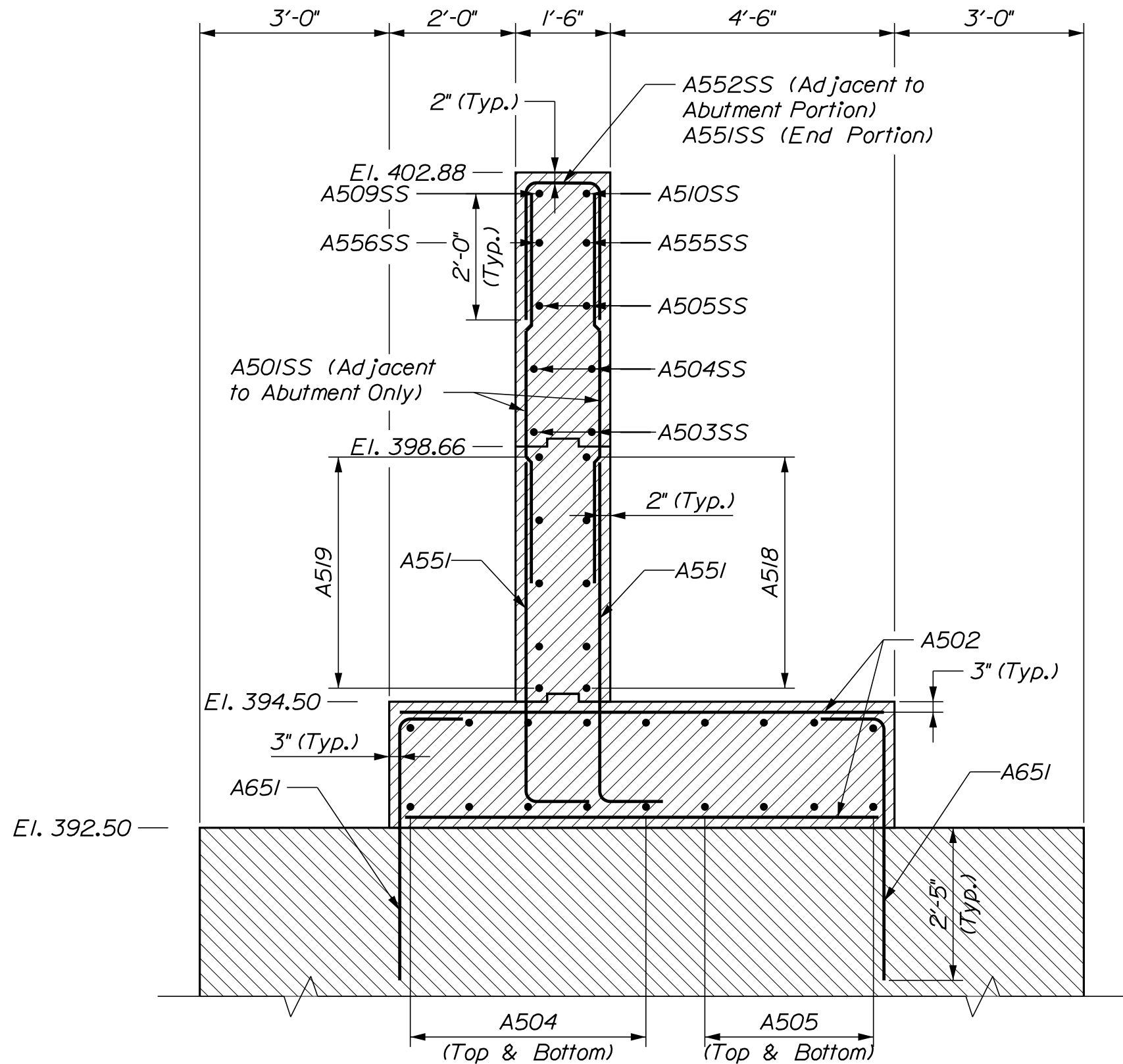


SW WINGWALL ELEVATION



SE WINGWALL SECTION

(Portion Adjacent to Abutment Shown, End Portion Similar)



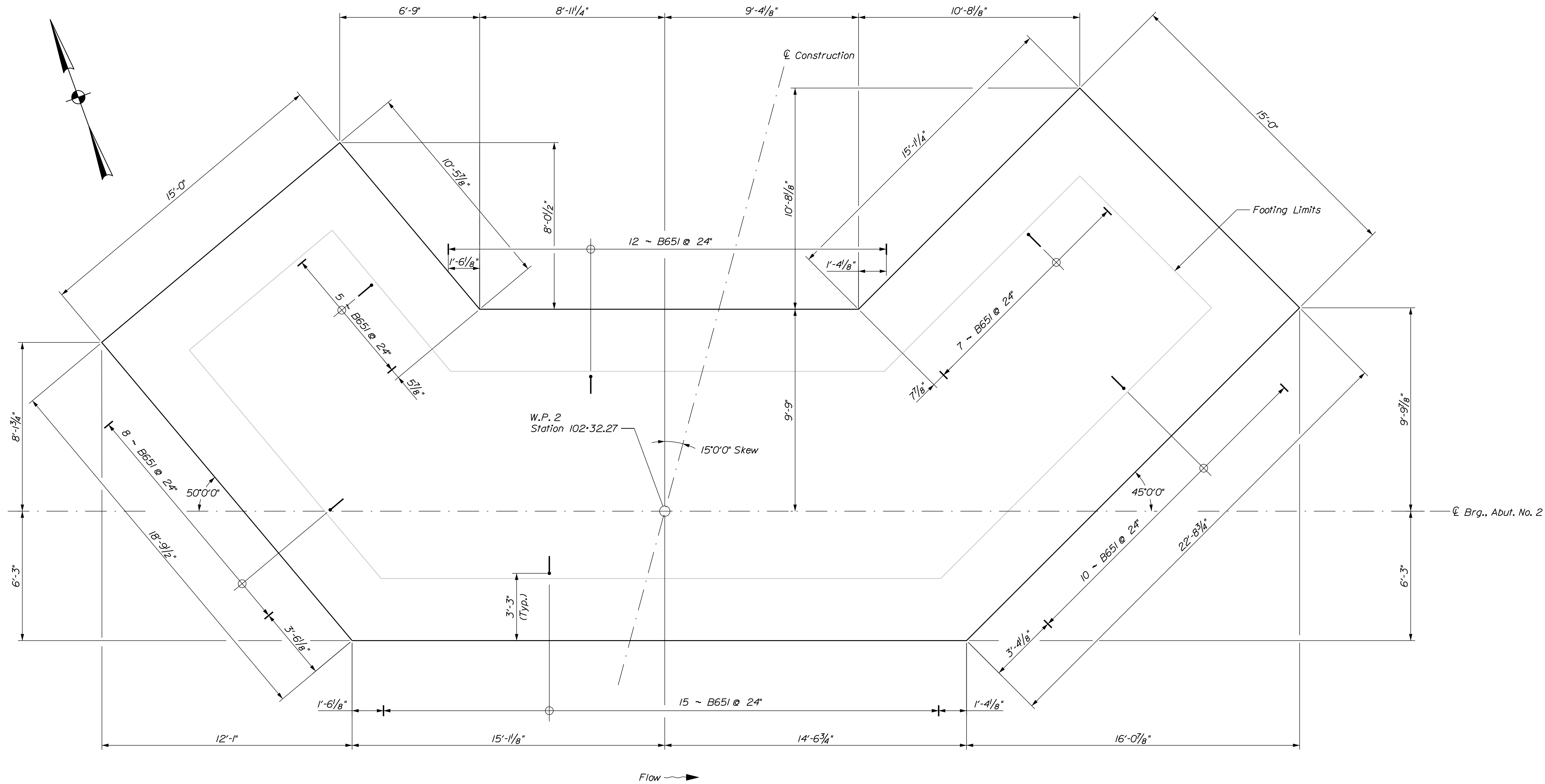
SW WINGWALL SECTION

(Portion Adjacent to Abutment Shown, End Portion Similar)

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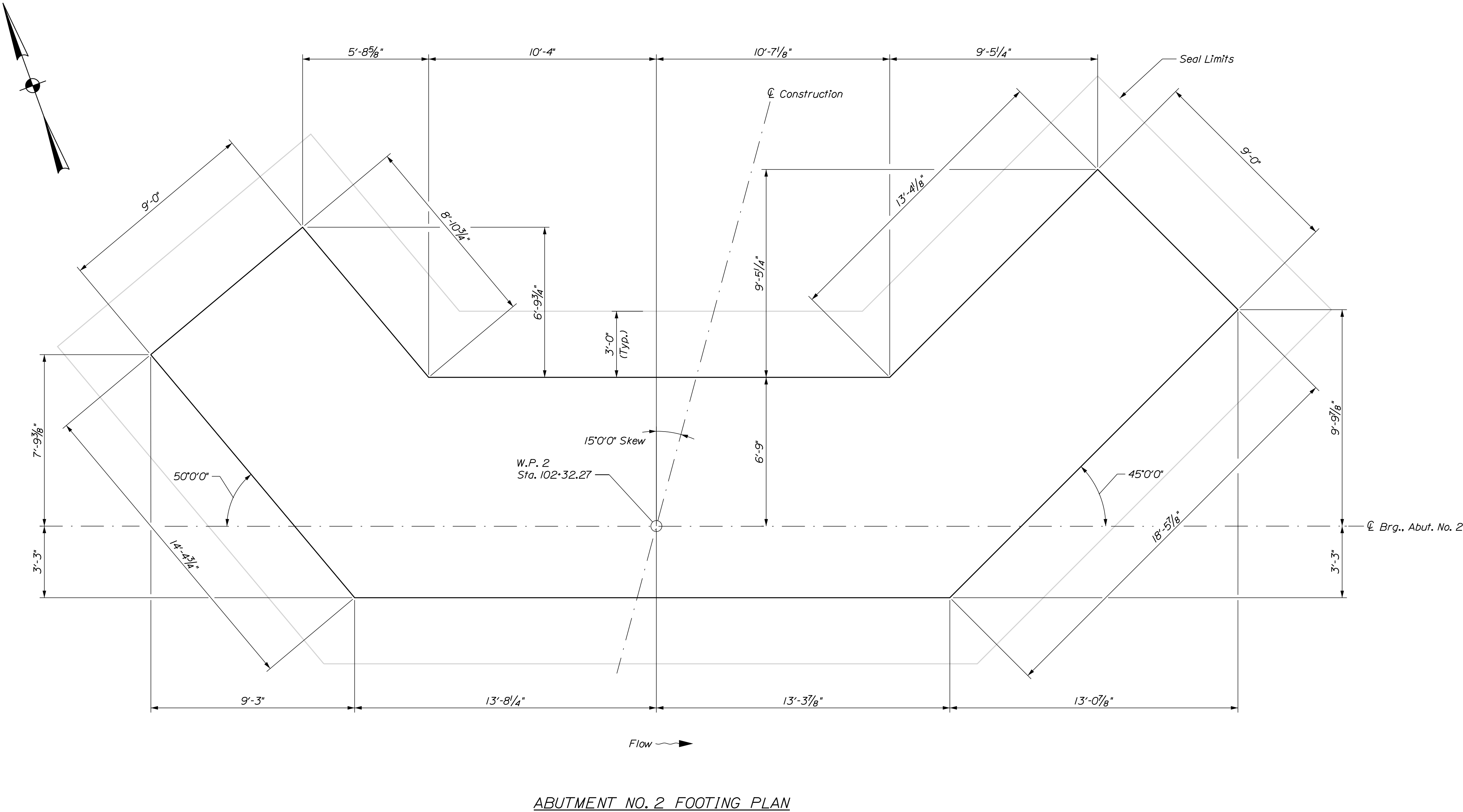
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F.F. = Far Face
E.F. = Each Face

SHEET NUMBER					21			OF 35			
FIELDS BRIDGE EAST BRANCH NEZINSCOT RIVER SUMNER-HARTFORD OXFORD COUNTY					PROJ. MANAGER		BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION		
					DESIGN-DETAILED		E. Carrier	10/18			
					CHECKED-REVIEWED		M.W. Smith J. French	10/18			
					DESIGN2-DETAILED2		M.G. Smith	10/18			
					DESIGNS-DETAILED3		E. Moloney		21705.00		
					REVISIONS 1						
					REVISIONS 2						
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					FIELD CHANGES						
									BRIDGE NO. 0690		
									BRIDGE PLANS		



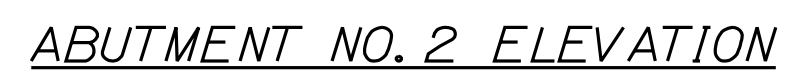
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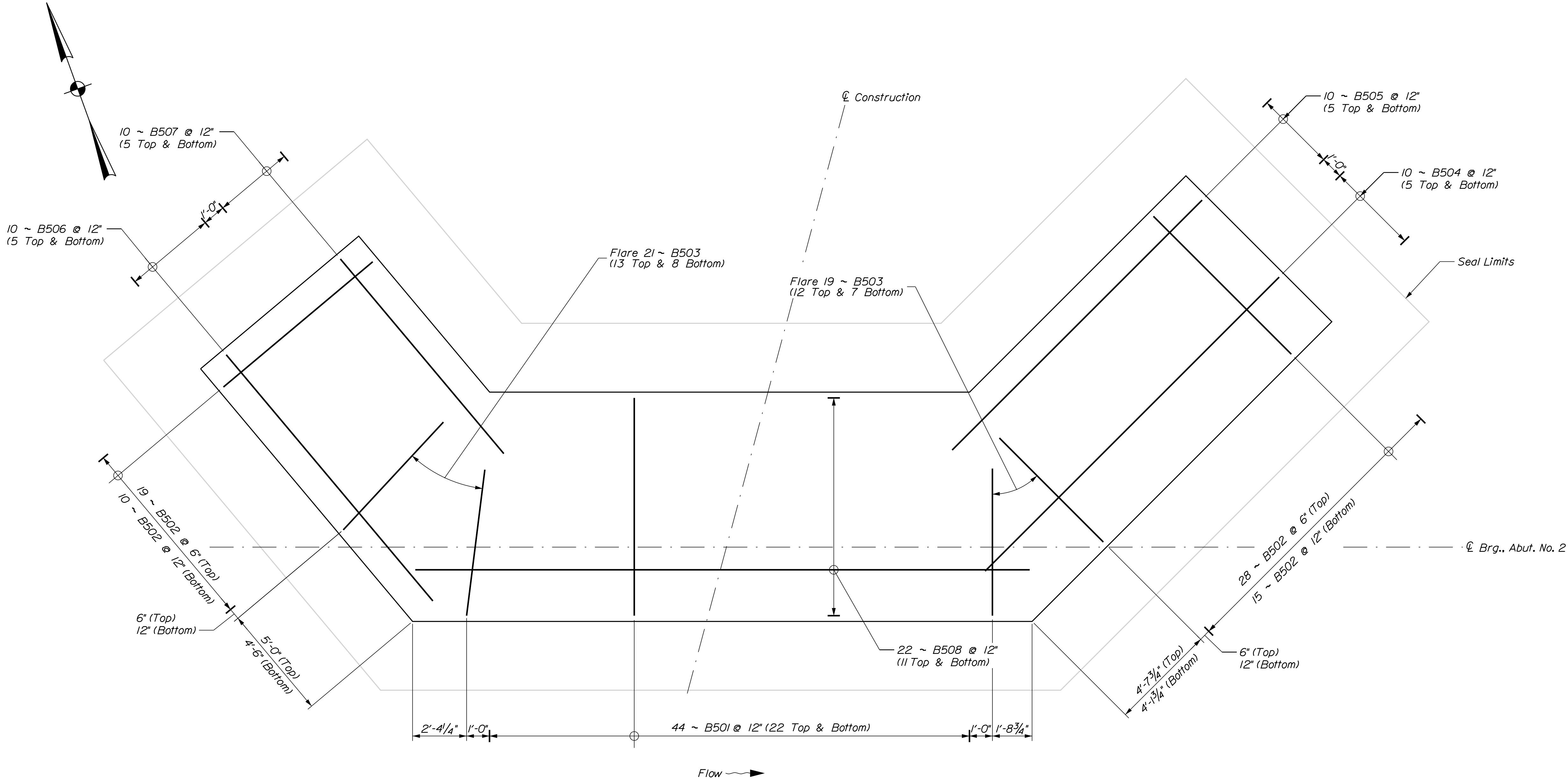
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			EAST BRANCH NEZINSCOT RIVER										
			SUMNER-HARTFORD OXFORD COUNTY										
			ABUTMENT NO. 2 SEAL PLAN										
										21705.00			
											SIGNATURE		
												P.E. NUMBER	
													DATE
BRIDGE NO. 0690	21705.00	BRIDGE PLANS											



ABUTMENT NO. 2 FOOTING PLAN

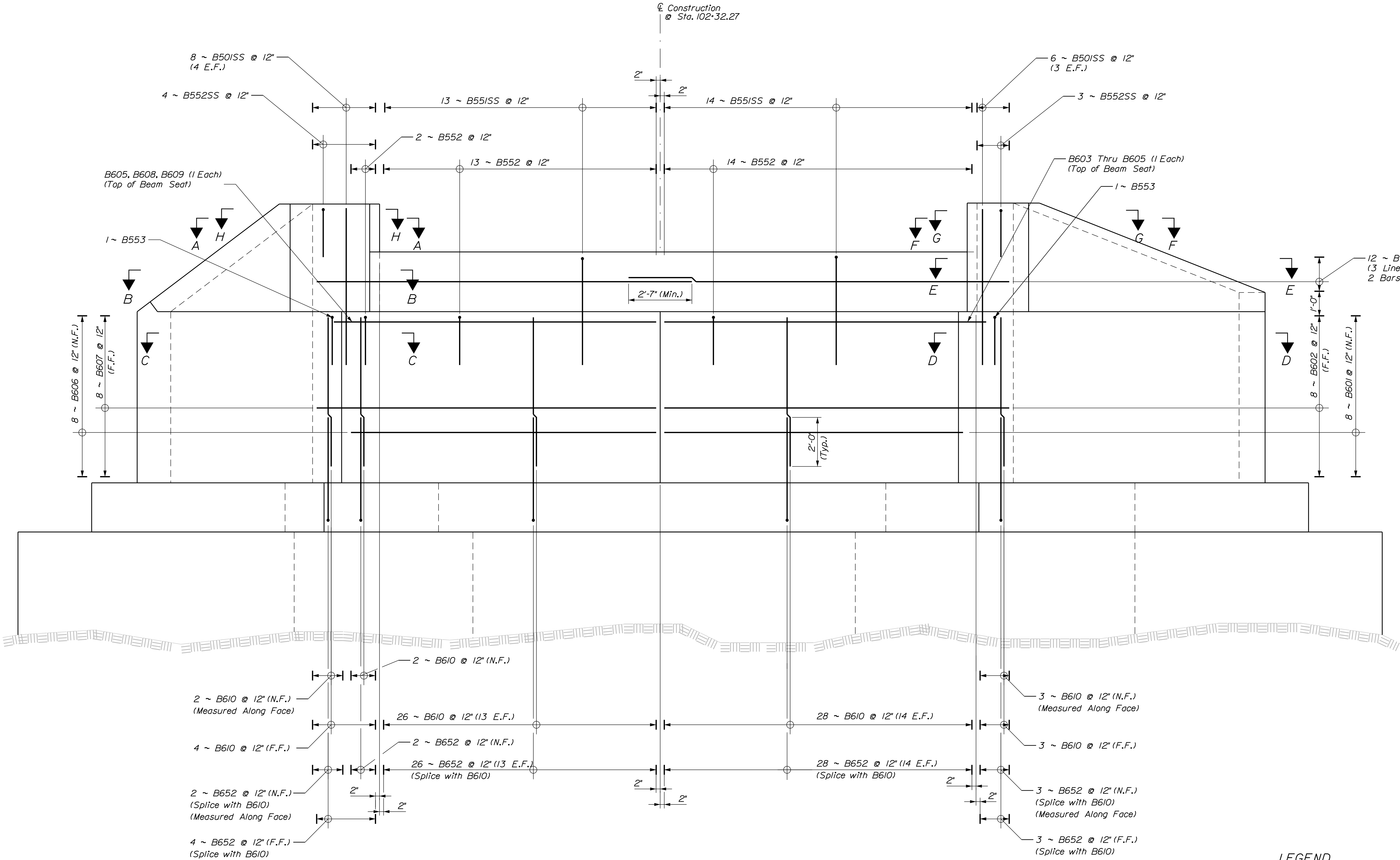
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						CHECKED-REVIEWED		S. Beaumont	J. French	10\18		SIGNATURE
						DESIGN-DETAILED		E. Madenay	M.G.Smith	10\18		
						DESIGN-DETAILED						
		ABUTMENT NO. 2 FOOTING PLAN				REVISIONS 1		P.E. NUMBER			21705.00	
						REVISIONS 2						
						REVISIONS 3						
						REVISIONS 4						
						FIELD CHANGES		DATE				
										BRIDGE NO. 0690	WIN	BRIDGE PLANS
										21705.00		





ABUTMENT NO. 2 FOOTING REINFORCING PLAN

<div> <div>STATE OF MAINE</div> <div>DEPARTMENT OF TRANSPORTATION</div> <div>21705.00</div> <div>WIN</div> <div>BRIDGE NO. 0690</div> <div>21705.00</div> <div>BRIDGE PLANS</div> </div>						
	<div> <div>PROJECT</div> <div>FIELDS BRIDGE</div> <div>EAST BRANCH NEZINSCOT RIVER</div> <div>SUMNER-HARTFORD OXFORD COUNTY</div> </div>		<div> <div>DESIGNED</div> <div>E. Carrier</div> </div>	<div> <div>BY</div> <div>M.W. Smith</div> </div>	<div> <div>DATE</div> <div>10\18</div> </div>	<div> <div>SIGNATURE</div> <div></div> </div>
	<div> <div>REVISIONS</div> <div>ABUTMENT NO. 2 FOOTING REINFORCEMENT PLAN</div> </div>		<div> <div>DESIGNED</div> <div>E. Carrier</div> </div>	<div> <div>BY</div> <div>M.W. Smith</div> </div>	<div> <div>DATE</div> <div>10\18</div> </div>	<div> <div>SIGNATURE</div> <div></div> </div>



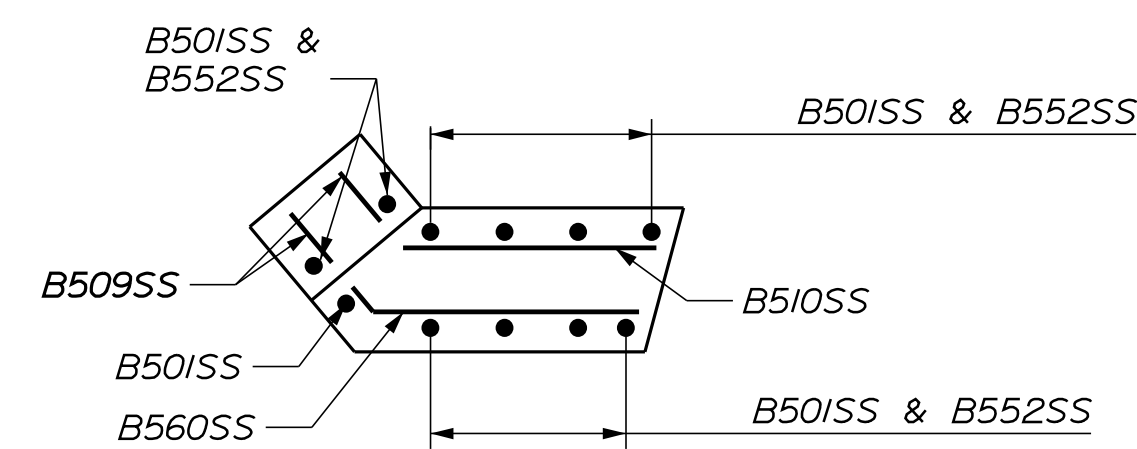
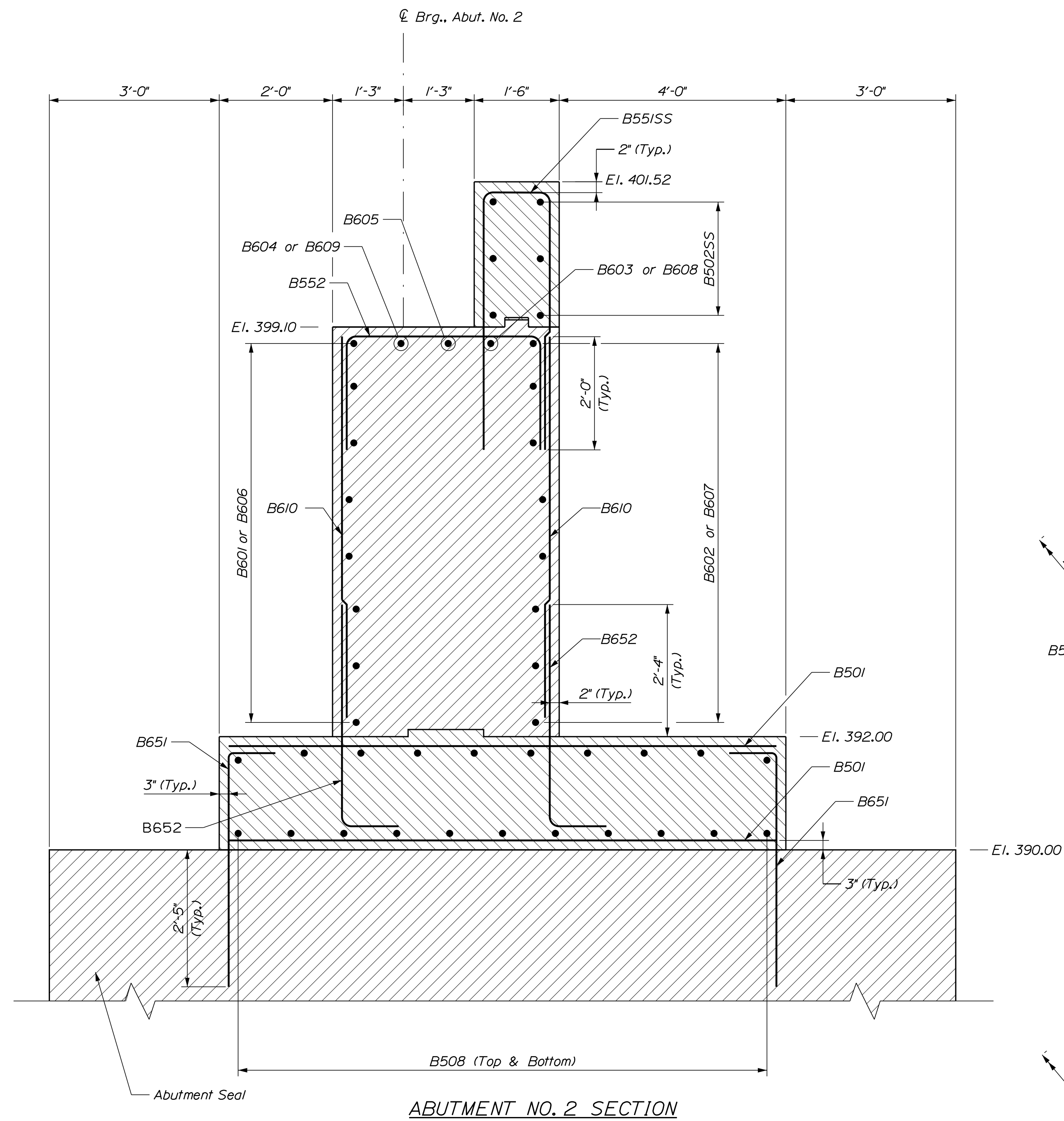
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STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
21705.00	
WIN	21705.00
BRIDGE NO. 0690	BRIDGE PLANS

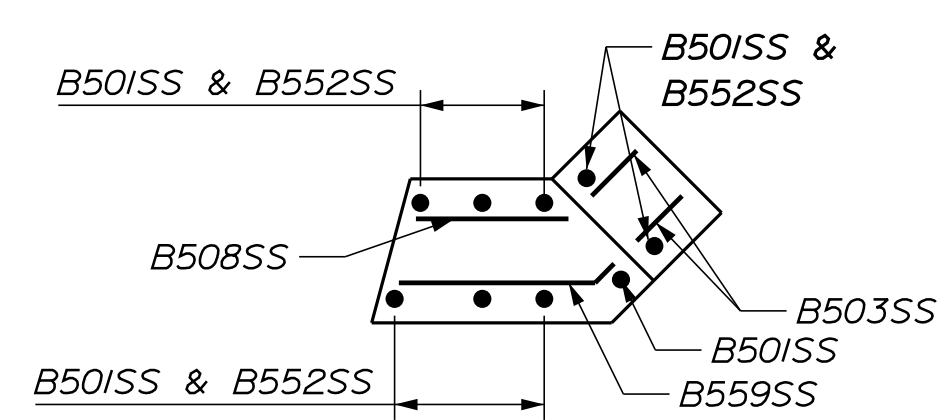
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E. Carrier	M.W. Smith	10/18		
S. Beaumont	J. French	10/18		
E. Madney	M.G. Smith	10/18		
DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

FIELDS BRIDGE	
EAST BRANCH NEZINSCOT RIVER	
SUMNER-HARTFORD	
OXFORD COUNTY	
ABUTMENT NO. 2	
REINFORCEMENT DETAILS	

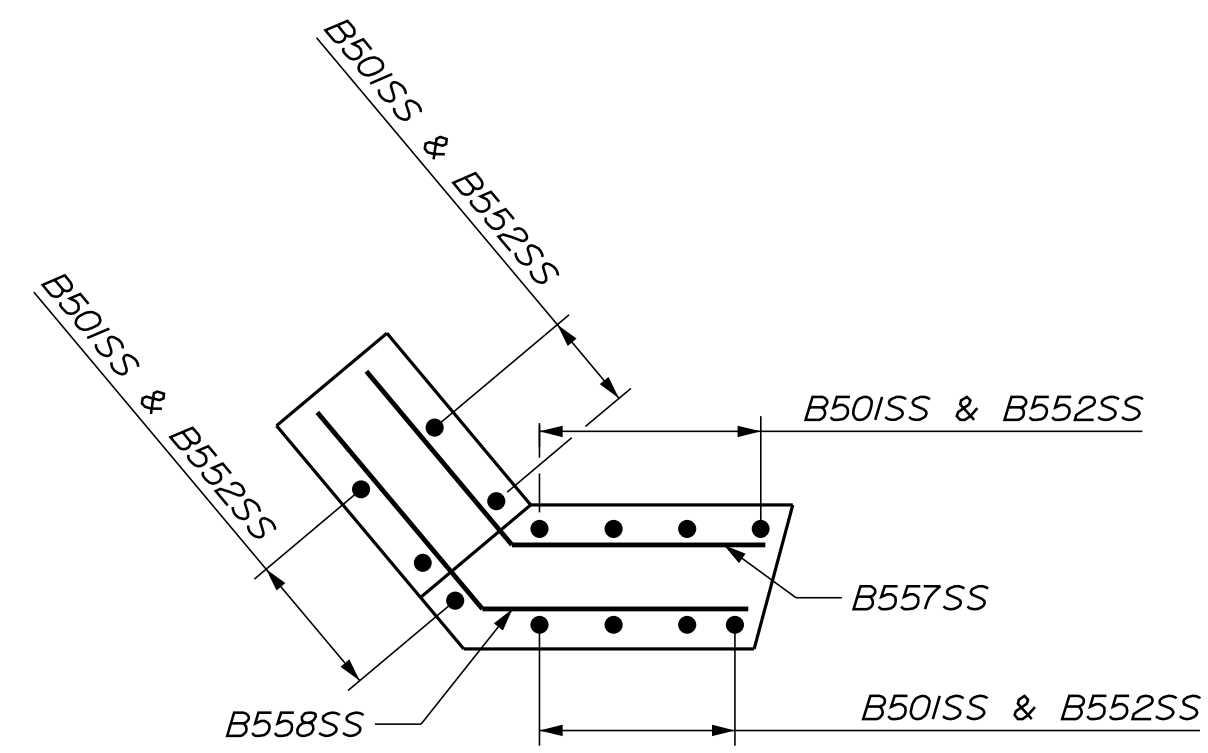
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OF 35	



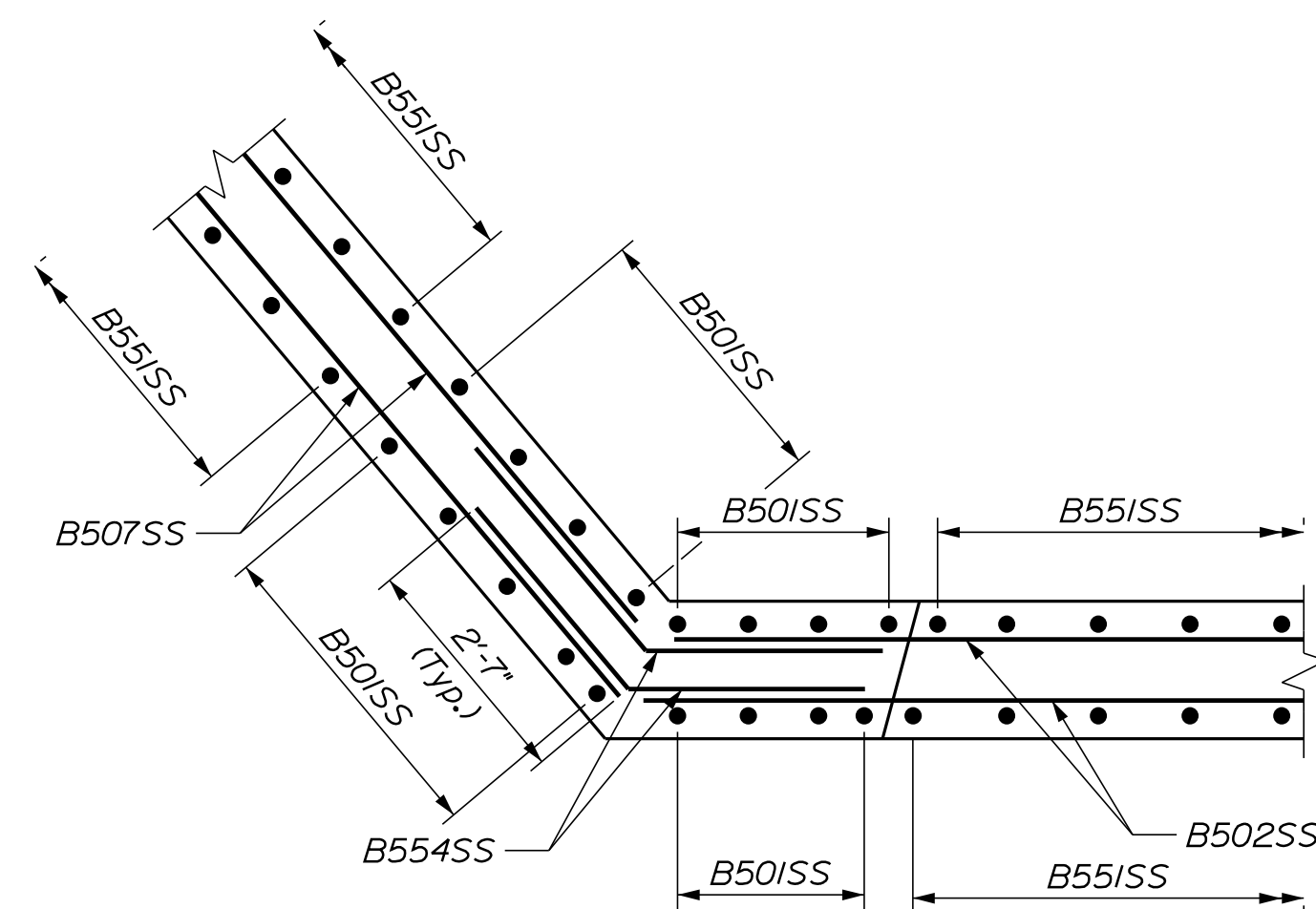
SECTION H-H



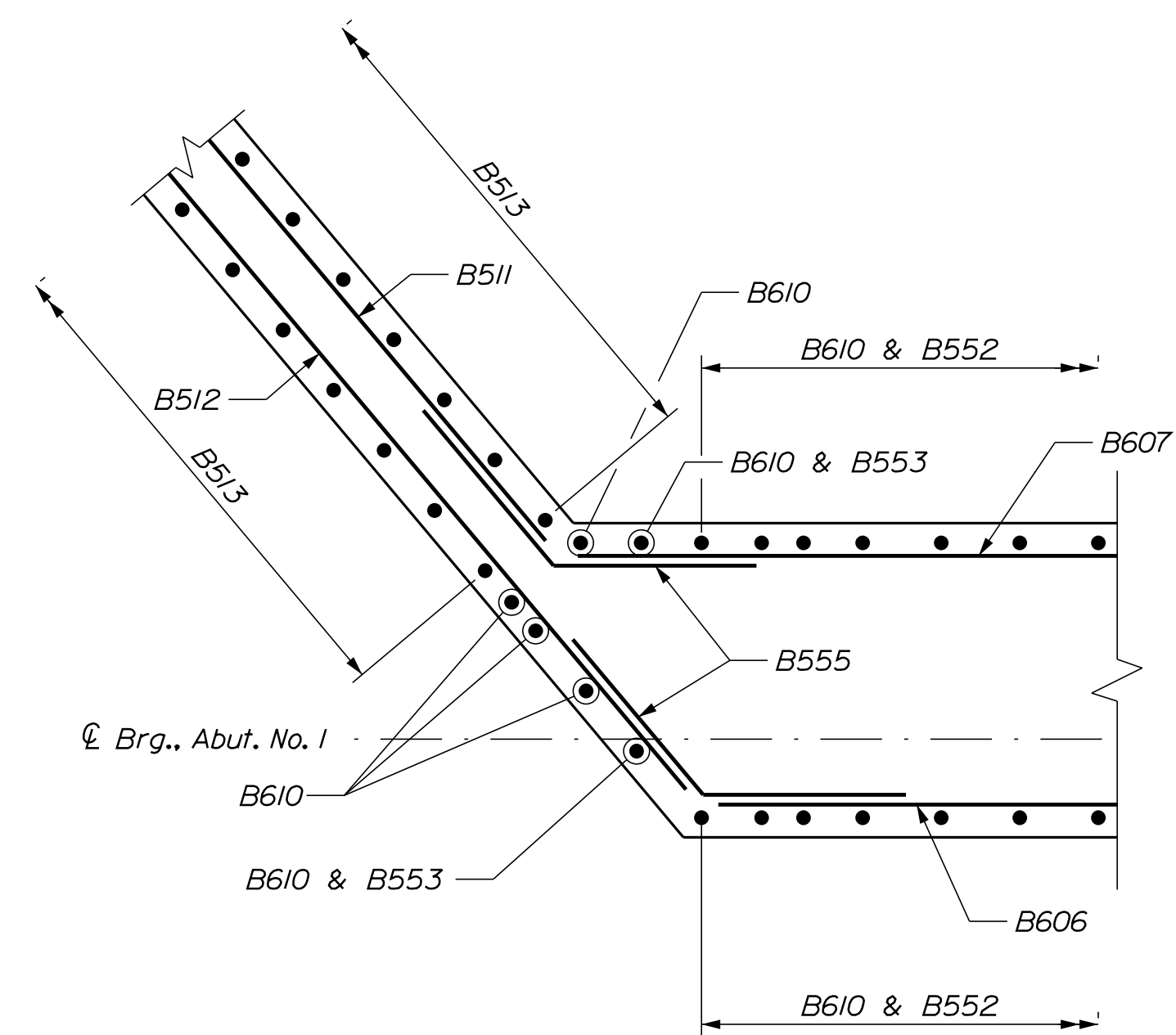
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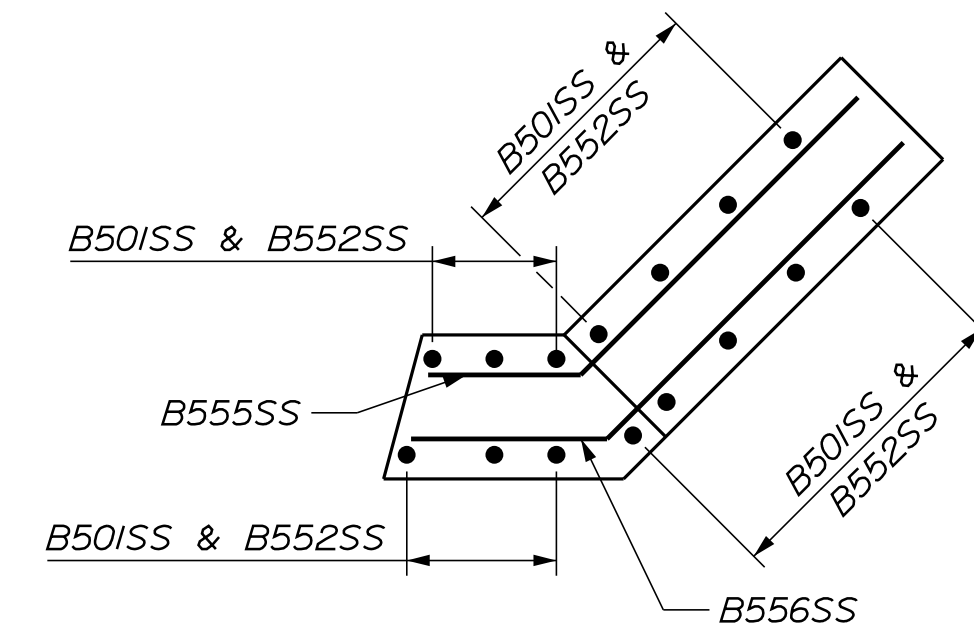
SECTION A-A



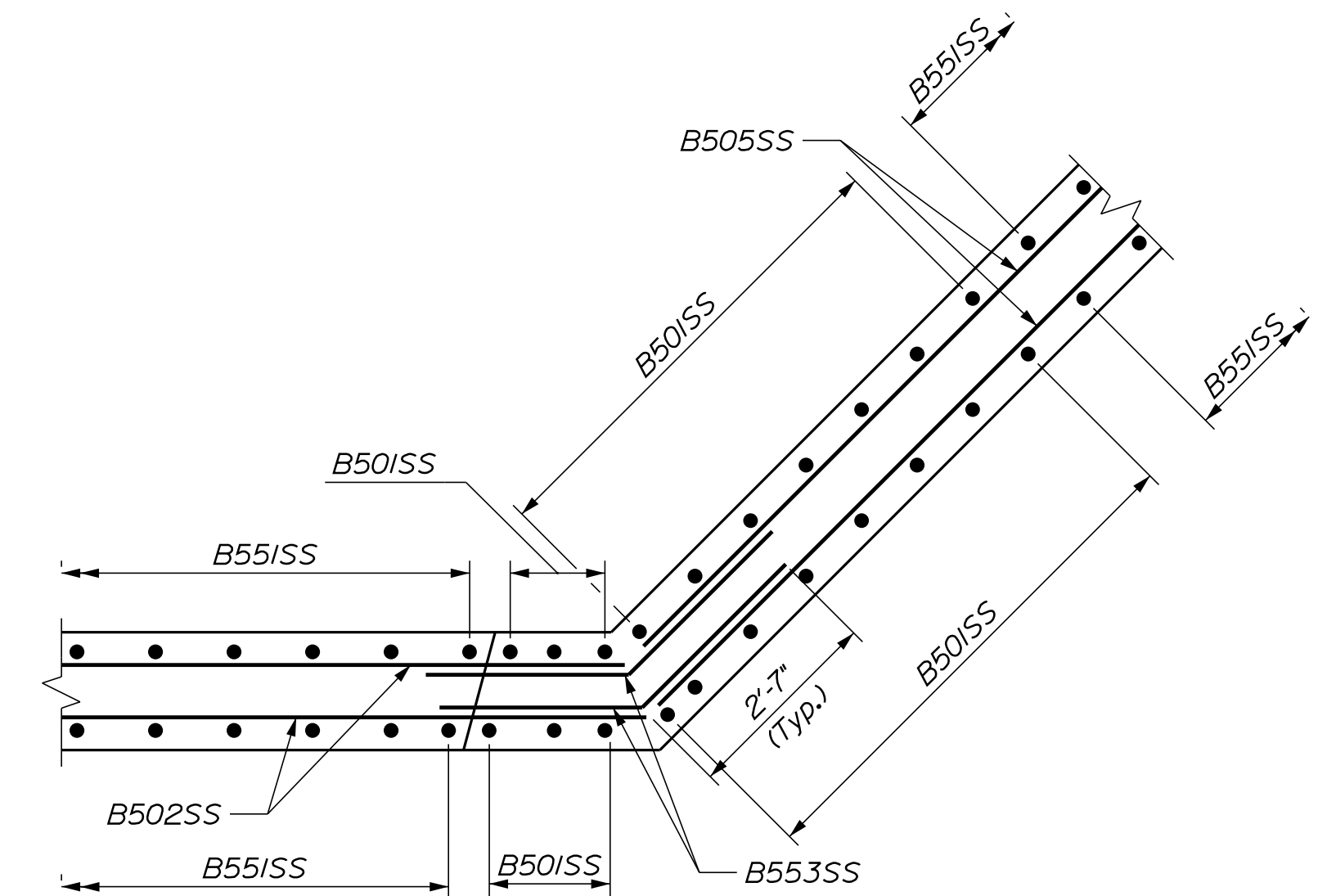
SECTION B-B



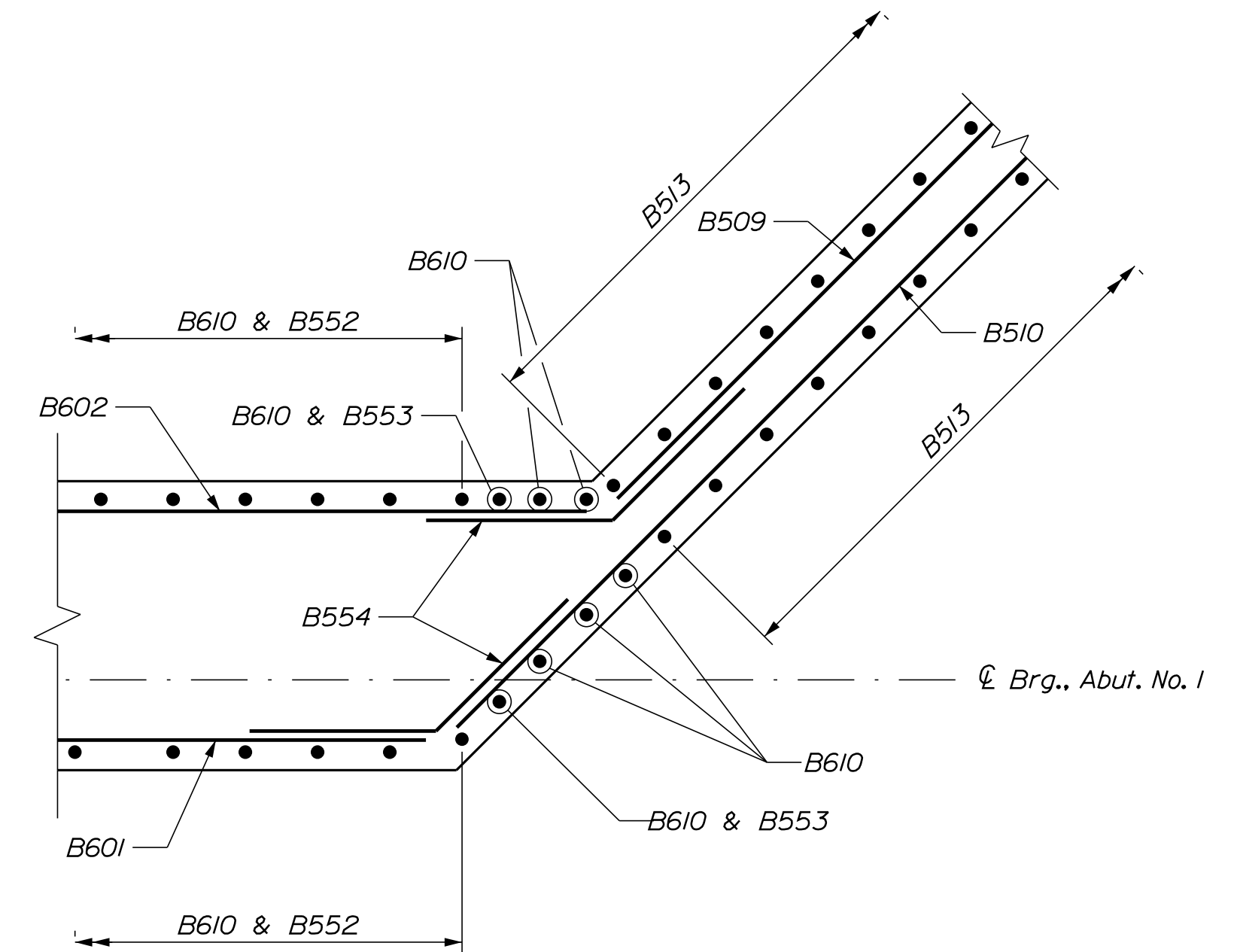
SECTION C-C
(Bars Above Horizontal Construction
Joint Removed for Clarity)



SECTION F-F

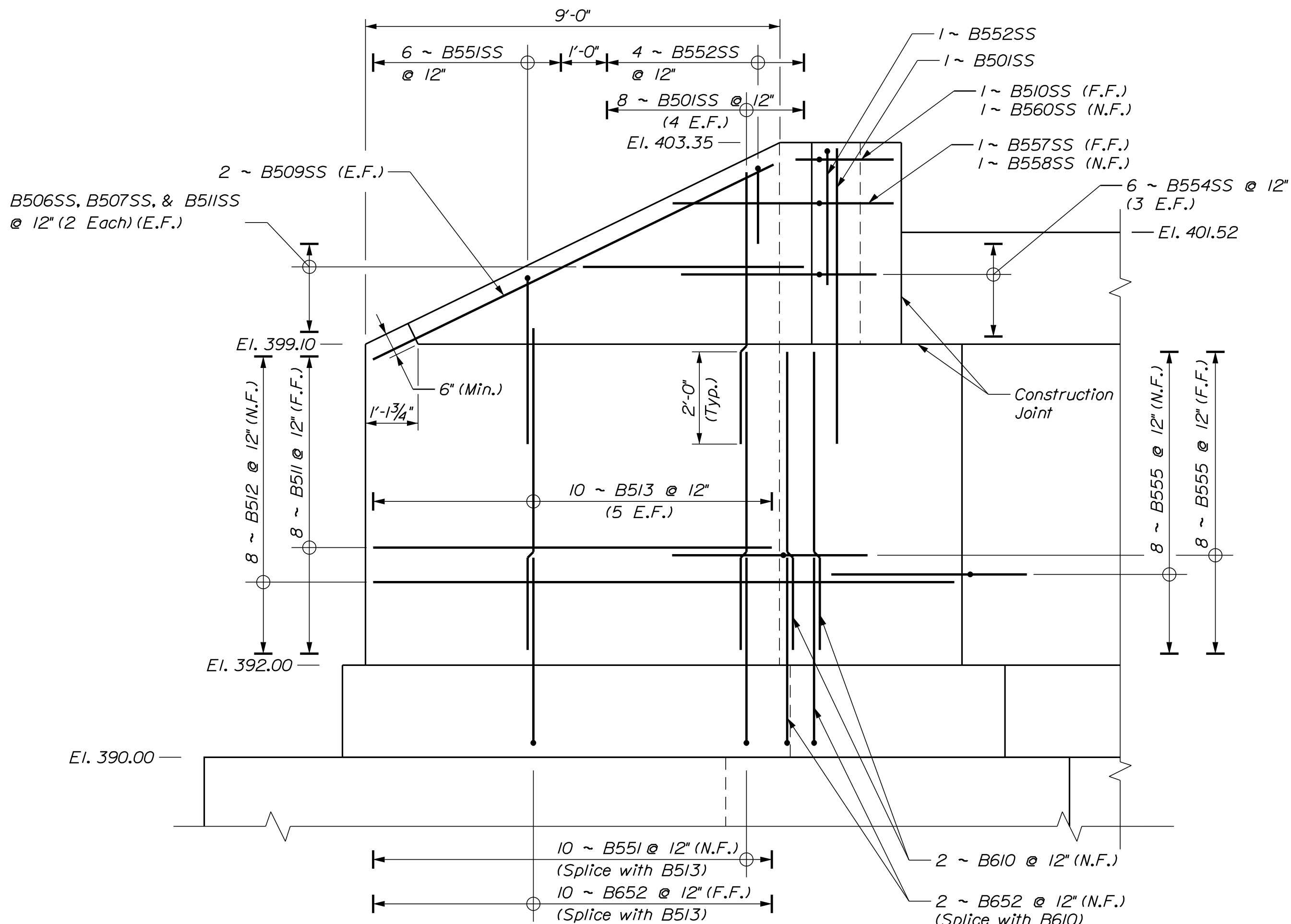


SECTION E-E

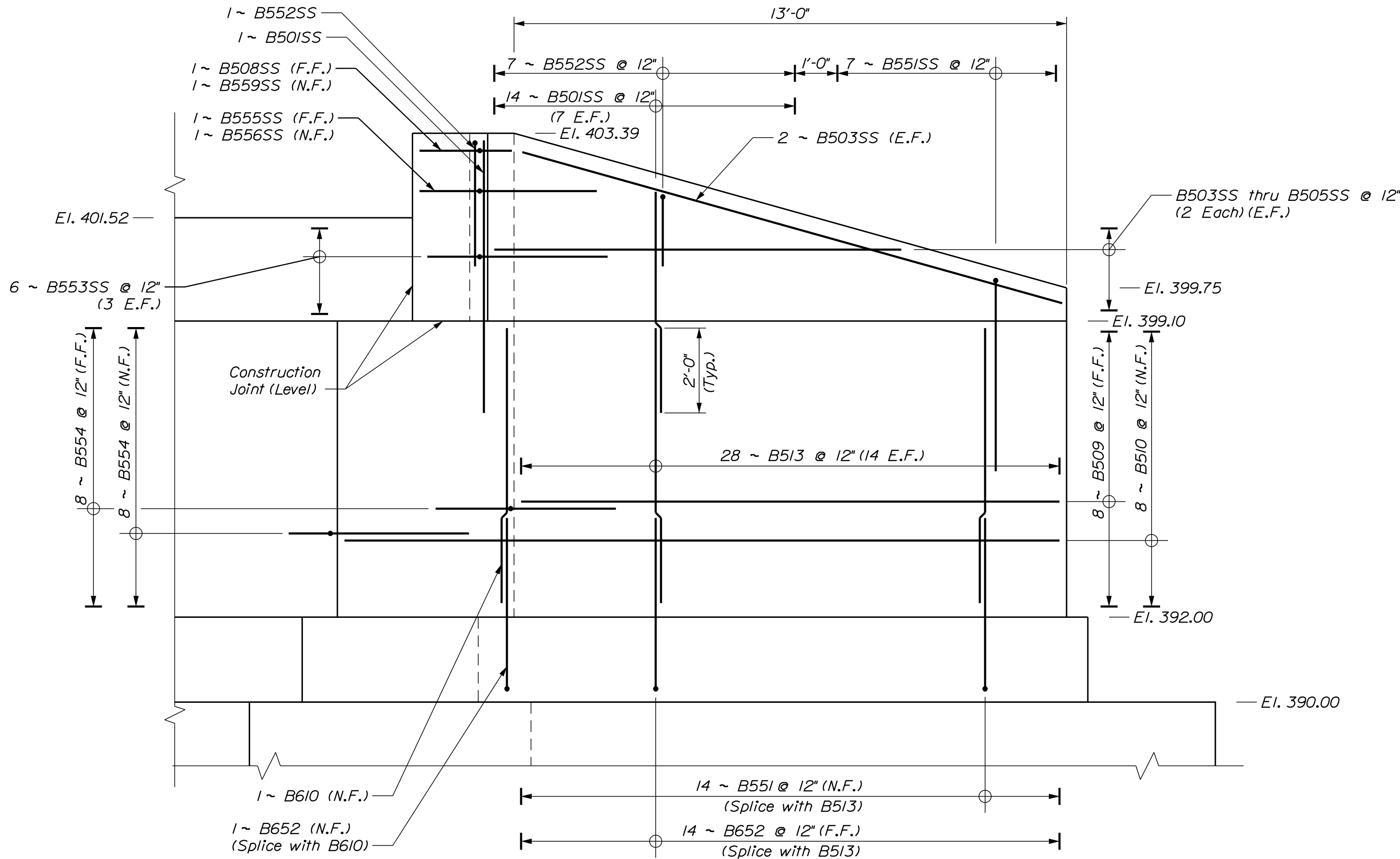


SECTION D-D
(Bars Above Horizontal Construction
Joint Removed for Clarity)

SHEET NUMBER		27		OF 35	
SUMNER-HARTFORD OXFORD COUNTY		EAST BRANCH NEZINSCOT RIVER FIELDS BRIDGE			
ABUTMENT NO. 2		DESIGN-DETAILED		E. Carrier	10/18
REINFORCEMENT SECTIONS		CHECKED-REVIEWED		S. Beaumont	10/18
		DESIGN-DETAILED		M.G.Smith	10/18
		DESIGN-DETAILED		E. Moloney	
		REVISED			
		REVISED			
		REVISED			
		REVISED			
		FIELD CHANGES			
		P.E. NUMBER			
		DATE			
		SIGNATURE			
		BRIDGE NO. 0690		WIN	
		21705.00		21705.00	
		BRIDGE PLANS			

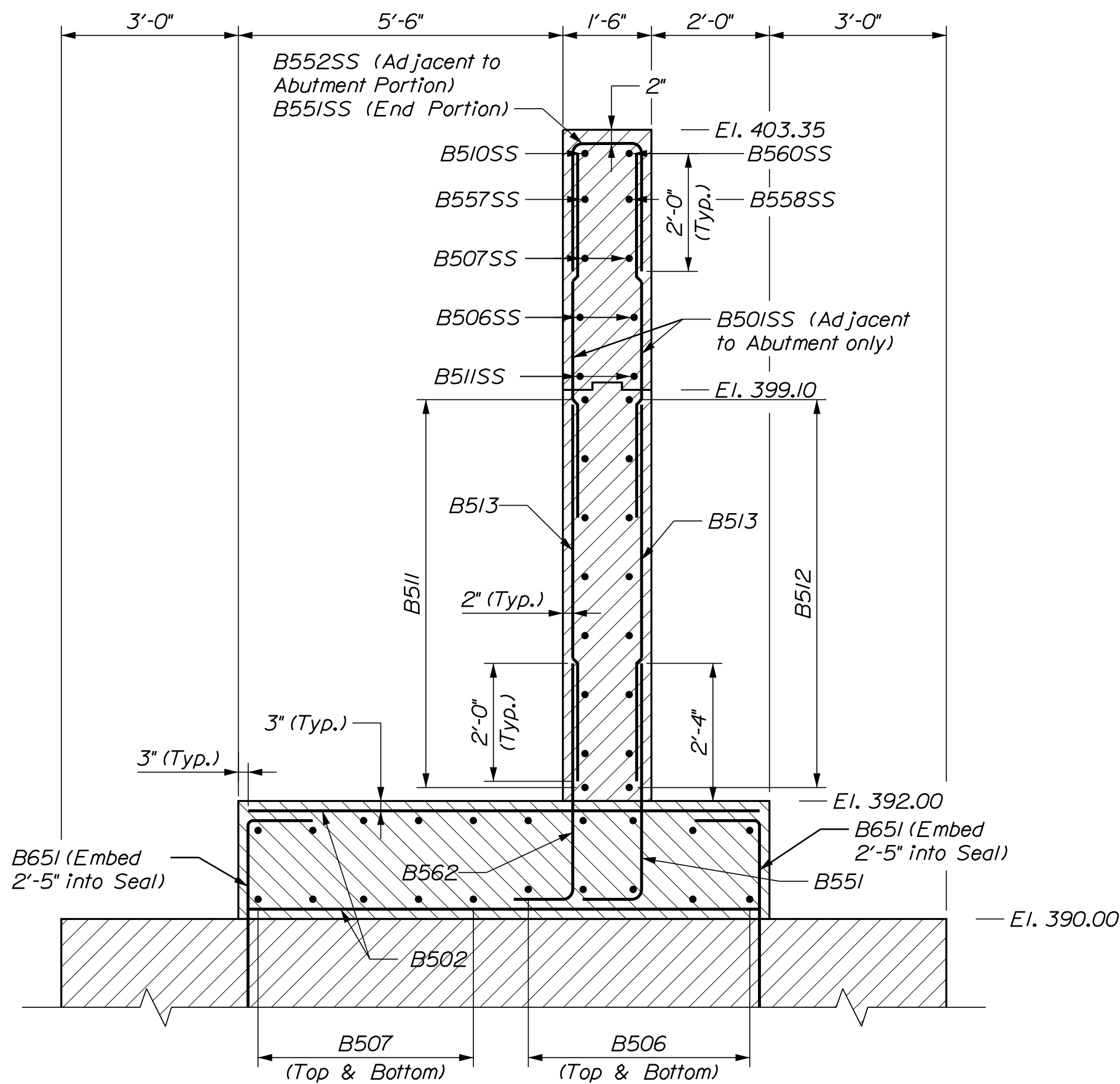


NW WINGWALL ELEVATION



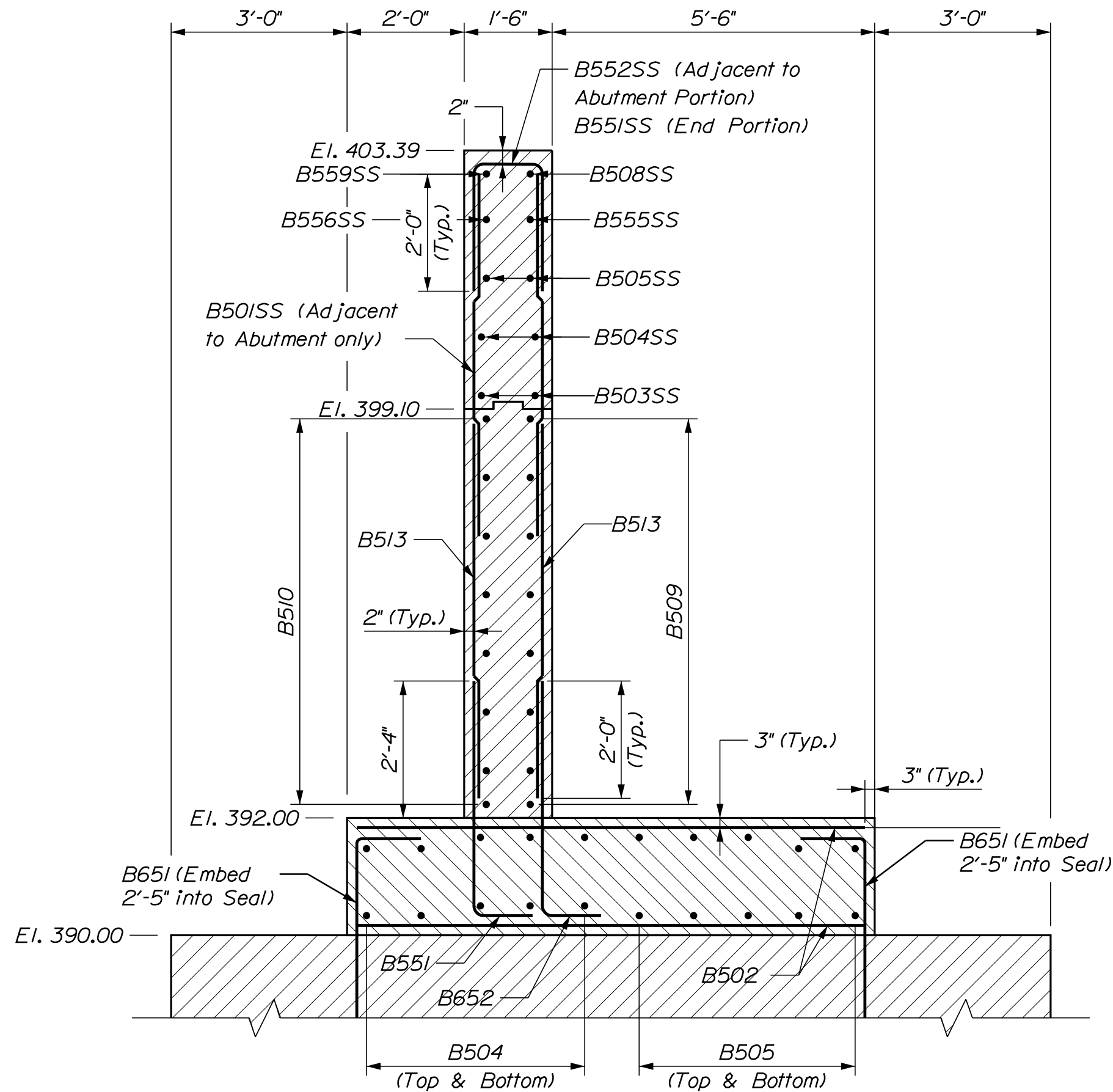
NE WINGWALL ELEVATION

LEGEND
N.F. = Near Face
F.F. = Far Face
E.F. = Each Face



NW WINGWALL SECTION

(Portion Adjacent to Abutment Shown, End Portion Similar)



NE WINGWALL SECTION

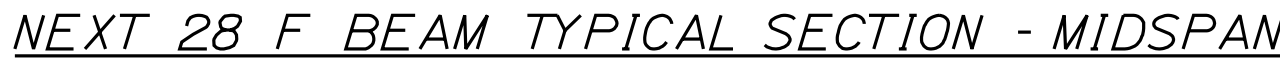
(Portion Adjacent to Abutment Shown, End Portion Similar)

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		21705.00		BRIDGE PLANS	
FIELDS BRIDGE		EAST BRANCH NEZINSCOT RIVER		SUMNER-HARTFORD		WIN	
OXFORD COUNTY		ABUTMENT NO. 2		WINGWALL		21705.00	
REINFORCEMENT DETAILS		SHEET NUMBER		28		OF 35	
PROJ. MANAGER		DESIGN-DETAILED		DESIGN-DETAILED		REVISIONS 1	
BY		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 2	
DATE		DATE		DATE		REVISIONS 3	
SIGNATURE		SIGNATURE		SIGNATURE		REVISIONS 4	
P.E. NUMBER		P.E. NUMBER		P.E. NUMBER		FIELD CHANGES	
DATE		DATE		DATE		DATE	



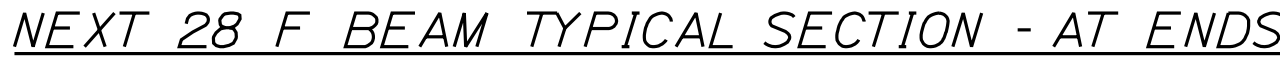
1. *NEXT F Beams are a non - proprietary shape developed by PCI Northeast (PCINE). Standardized section properties and details may be found at <http://www.pcine.org>.*
2. *The estimated camber at release is 1.80 inches and the estimated camber at erection is 3.10 inches. Refer to Special Provision Section 535, Precast, Prestressed Concrete Superstructure - Camber.*
3. *Prestressing strands shall be 0.6 inch diameter. The tensioning force is 44 kips per prestressing strand, including top strands.*
4. *Reinforcing steel shall have a minimum concrete cover of 2 inches unless otherwise noted.*
5. *The drilling of holes in the prestressed beams and the use of powder - actuated tools on the beams will not be permitted without the approval of the Fabrication Engineer.*
6. *The top surface of the upper flange of the prestressed beams shall be raked to a surface roughness of $\pm 1/4$ inch, except at 10-ft. increments along the centerline of each beam. At these locations a flatten area of sufficient size shall be left to facilitate taking elevations for setting bottom of slab elevations.*
7. *A mat of mild reinforcing steel #4 bars @ 12 inches in both directions, may be substituted for the welded wire fabric. Reinforcing steel shall be ASTM A615, Grade 60.*
8. *Girder reinforcement detailed in plan and elevation is typical about the midspan and centerline of each girder.*
9. *Chamfer acute corners of the ends of the beams per Sheet 3I - Superstructure Plan.*

29 OF 35		SHEET NUMBER		FIELDS BRIDGE EAST BRANCH NEZINSCOT RIVER SUMNER-HARTFORD OXFORD COUNTY		PROJ. MANAGER		BY		DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION							
						DESIGN-DETAILED		E. Corrier		M.W. Smith				10/18					
						CHECKED-REVIEWED		S. Beaumont		J. French				10/18					
						DESIGN2-DETAILED2		E. Muloney		M.G. Smith				10/18					
						DESIGN3-DETAILED3													
		GIRDER DETAILS (1 OF 2)		REVISIONS 1								21705.00							
				REVISIONS 2															
				REVISIONS 3															
				REVISIONS 4															
				FIELD CHANGES						DATE									
												BRIDGE NO. 0690		WIN		21705.00		BRIDGE PLANS	







1. The shear modulus of the elastomer shall be 120 psi +/- 15%.
2. Bearings shall be covered during transit.
3. The bearings are designed so that the superstructure may be erected when the ambient air temperature is within the range of 65 °F and 90 °F. If the ambient air temperature is outside this range, the bearings shall be reset as directed by the Resident.
4. All bearing shall be marked prior to shipping. The marks shall include the bearing location on the bridge and a direction arrow that points up-station. All marks shall be permanent and shall be visible after the bearing is installed.
5. The Contractor is advised to have galvanized steel shims available to use for elevation adjustments upon setting the NEXT beams. The shims shall be included under Item No. 523.5402, Laminated Elastomeric Bearings, Expansion as directed by the Resident.

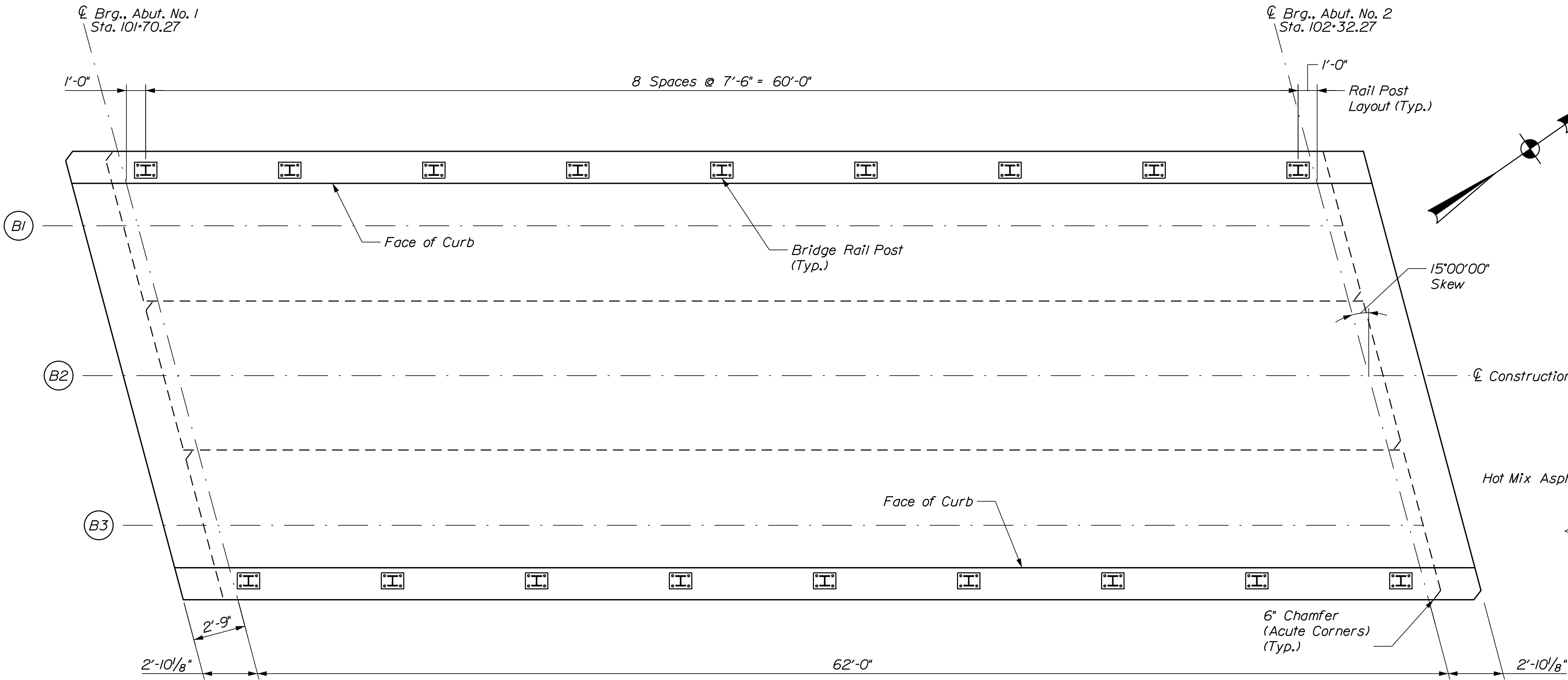
BEARING DESIGN UNFACTORED LOADS AND MOVEMENTS							
Brg. Type	Vertical Reactions (kips)			Horiz. Load Long (kips)	Horiz. Load Trans. (kips)	Design Movements (in.)	
	Dead Load	Live Load	Total			Long.	Trans.
Exp.	39.3	54.0	93.3	3.4	-	0.12	-



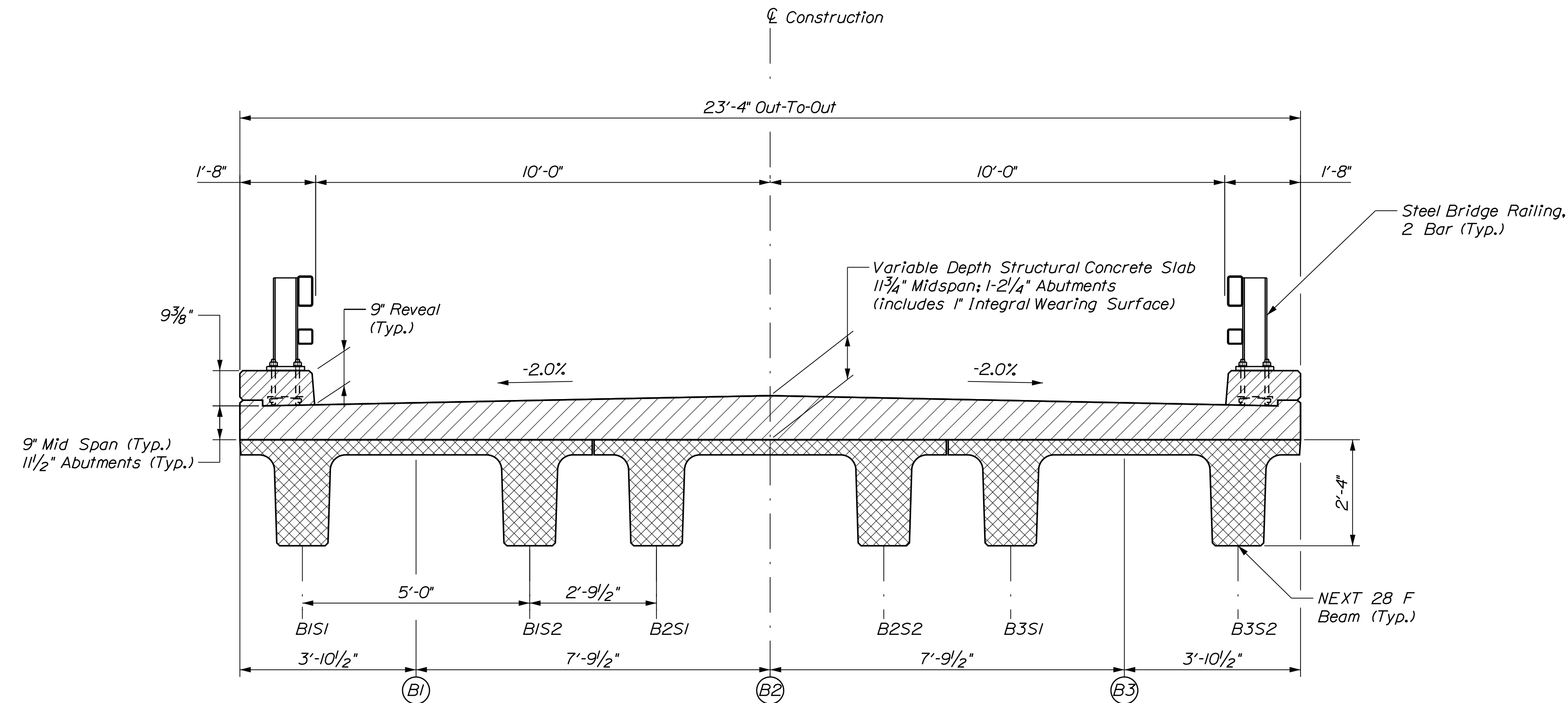
(Left Stem Shown, Right Stem is Similar
Mirrored About Beam Centerline)

-  Strands debonded 6 ft
-  Strands debonded 4 ft
-  Strands debonded 2 ft
-  Strands debonded 6 in

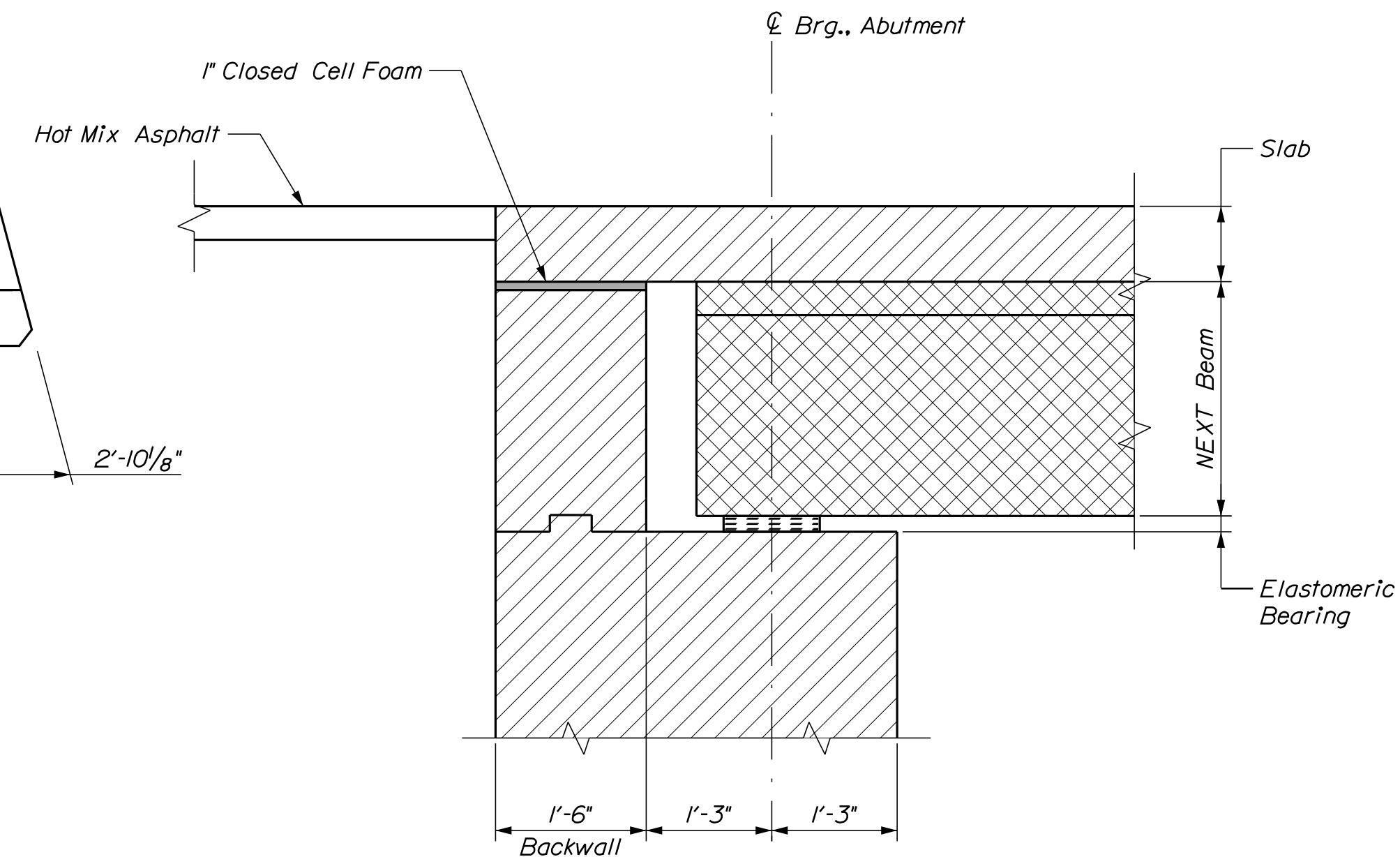
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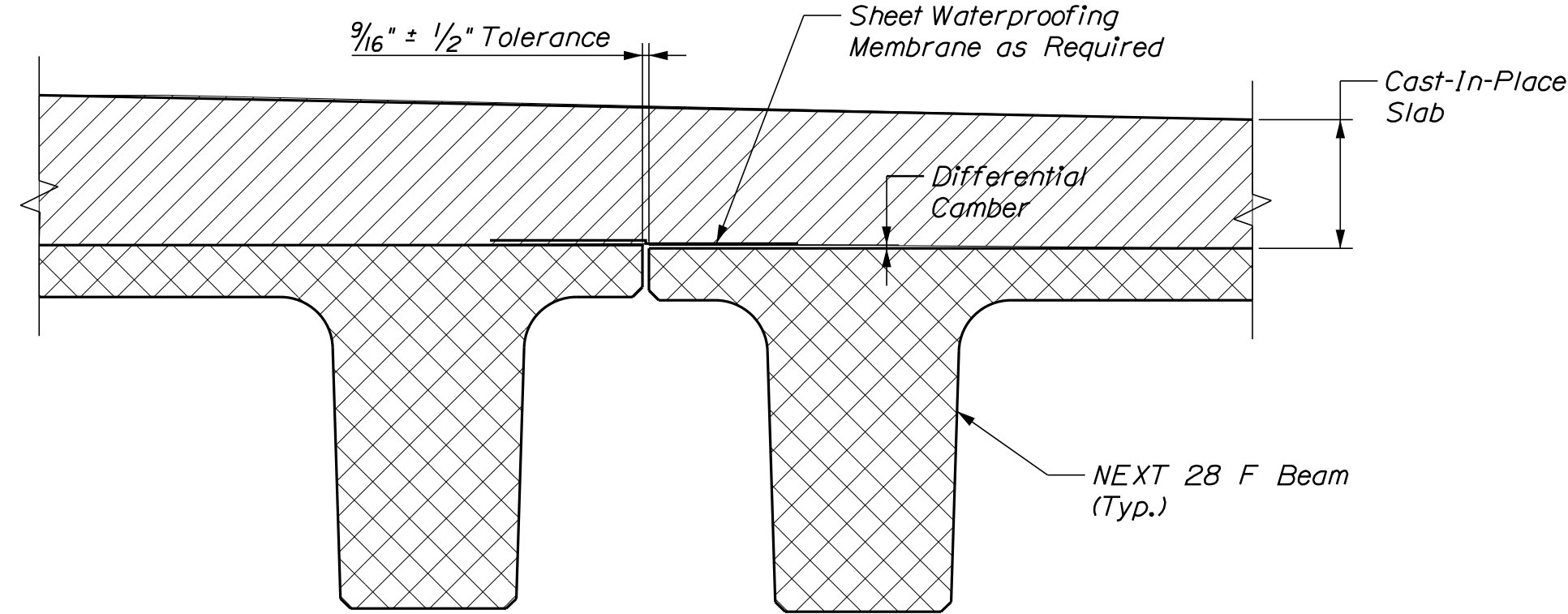
SUPERSTRUCTURE PLAN



PROPOSED BRIDGE SECTION



SECTION AT END OF DECK

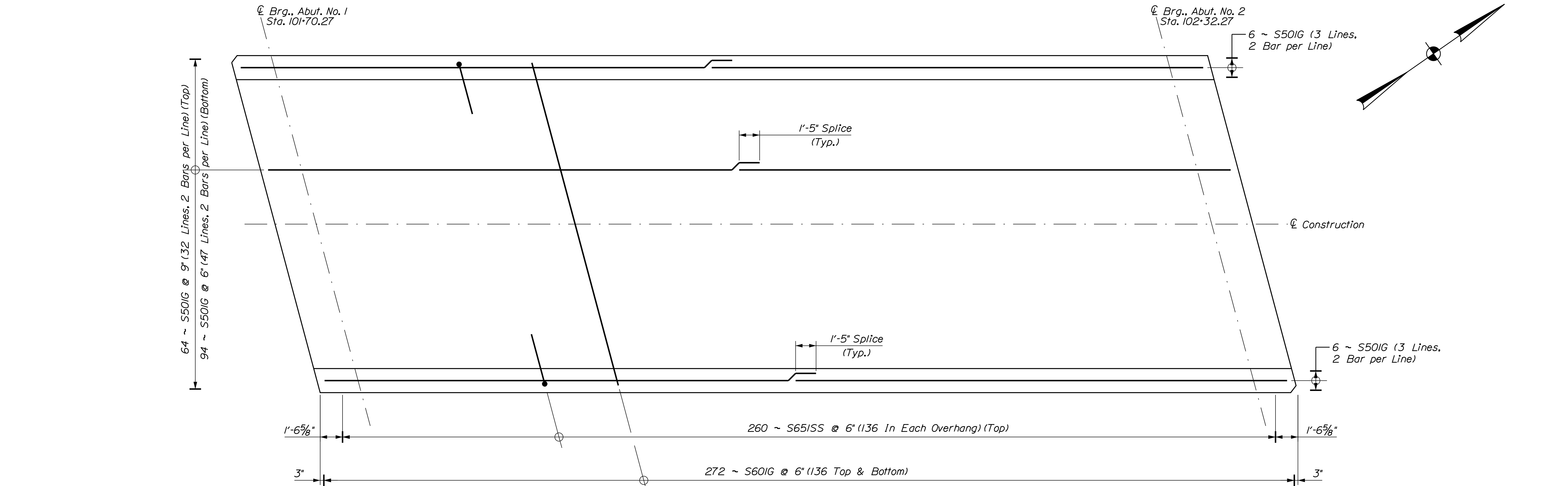


NEXT BEAM GAP FORM DETAIL

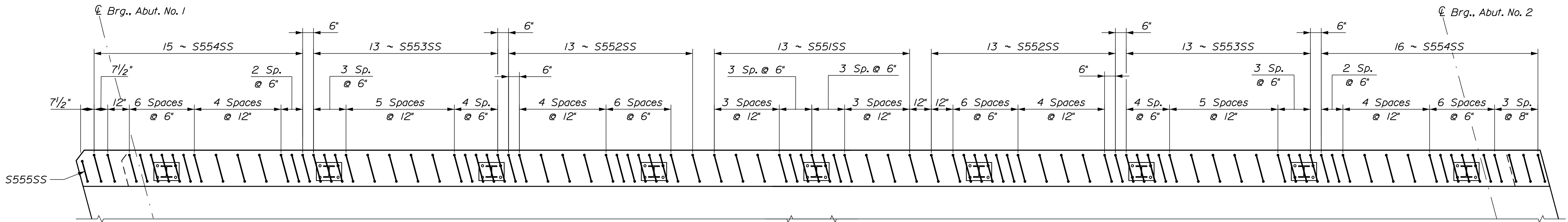
SUPERSTRUCTURE NOTES

1. The deck thickness and curb stirrup dimensions shall be adjusted in accordance with Special Provision Section 535, Precast, Prestressed Concrete Superstructure - Camber.
2. Reinforcing steel shall have a minimum concrete cover of 2 inches unless otherwise noted.
3. Form a one inch V-groove on the fascias at the horizontal joint between the curb and slab.
4. The superstructure slab concrete for each span shall be placed continuously and shall be kept plastic until the entire placement has been made.
5. Payment for Sheet Waterproofing Membrane will not be made directly and shall be considered incidental to related Contract Items. Alternate methods of sealing the gap between both flanges may be submitted to the Resident for approval.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		21705.00		BRIDGE NO. 0690		BRIDGE PLANS	
PROJECT NAME		PROJECT NUMBER		PROJECT DATE		PROJECT LOCATION		PROJECT DESCRIPTION	
FIELDS BRIDGE		EAST BRANCH NEZINSCOT RIVER		SUMNER-HARTFORD		OXFORD COUNTY		SUPERSTRUCTURE PLAN	
SHEET NUMBER		31		OF 35					
PROJ. MANAGER		BY		DATE		SIGNATURE		P.E. NUMBER	
DESIGN-DETAILED		E. Carrier		10/18		M.W. Smith			
CHECKED-REVIEWED		S. Beaumont		10/18		J. French			
DESIGN-DETAILED		E. Molineux		10/18		M.C. Smith			
REVISIONS 1									
REVISIONS 2									
REVISIONS 3									
REVISIONS 4									
FIELD CHANGES									

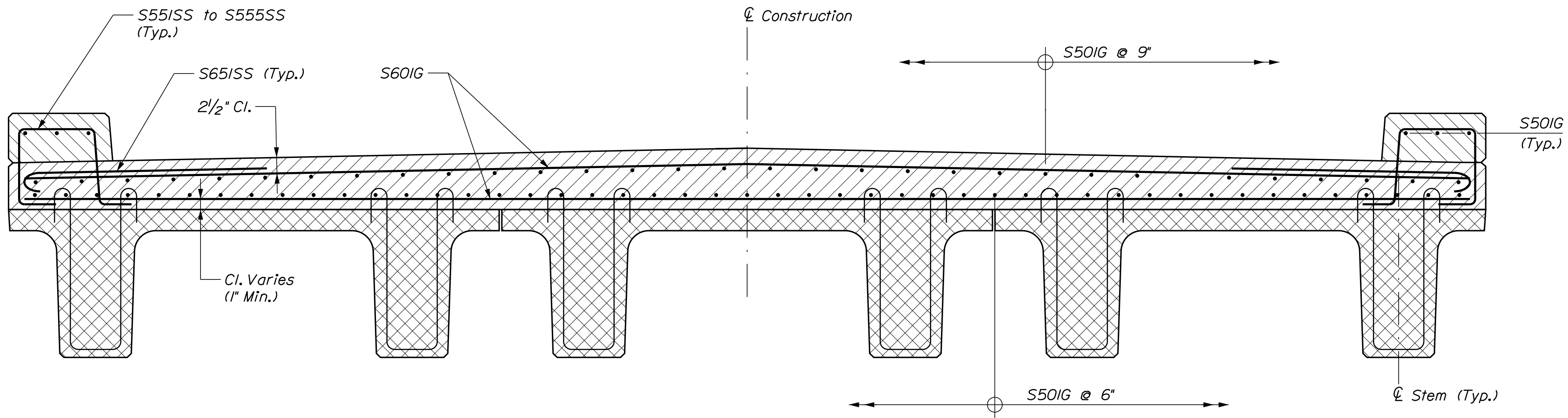


SUPERSTRUCTURE REINFORCING PLAN



CURB STIRRUP LAYOUT PLAN

(West Curb Shown, East Curb Similar)
(Adjust Reinforcing to Clear Rail Post Anchors)



TRANSVERSE REINFORCING SECTION

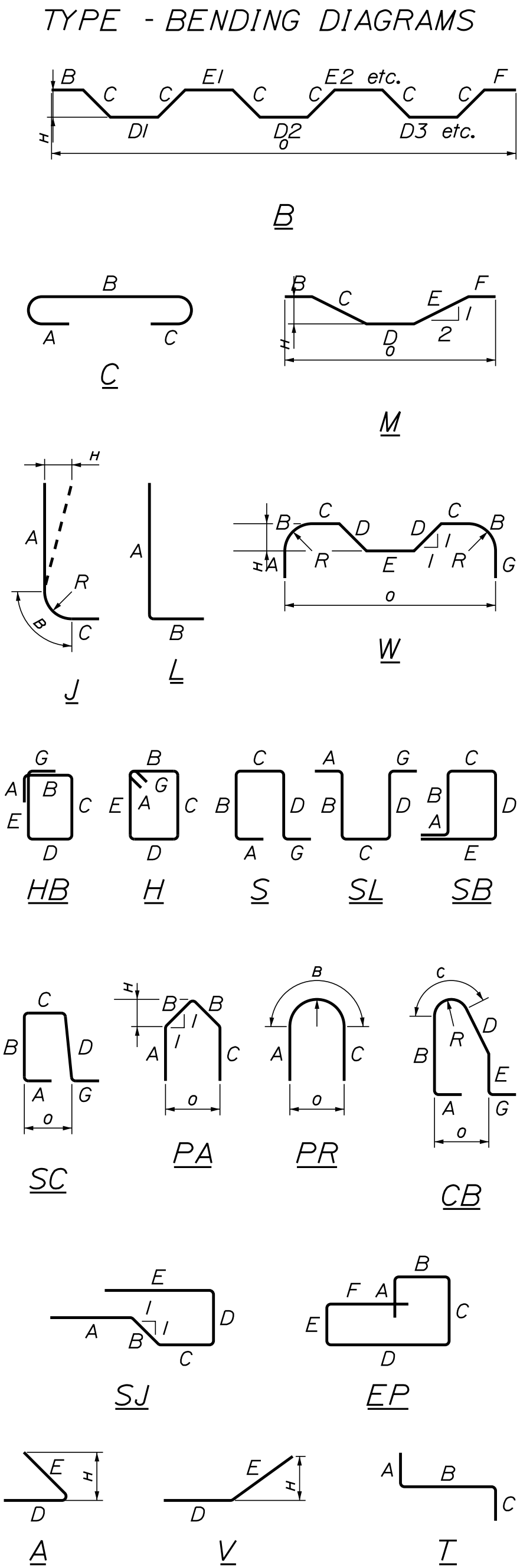
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
21705.00	
WIN	BRIDGE NO. 0690
21705.00	BRIDGE PLANS

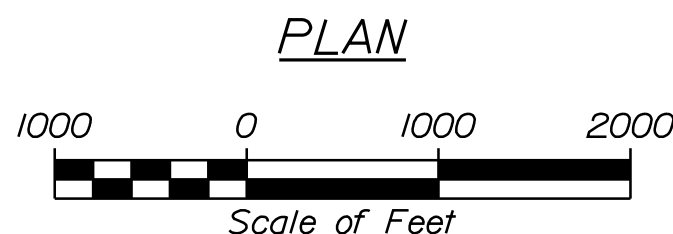
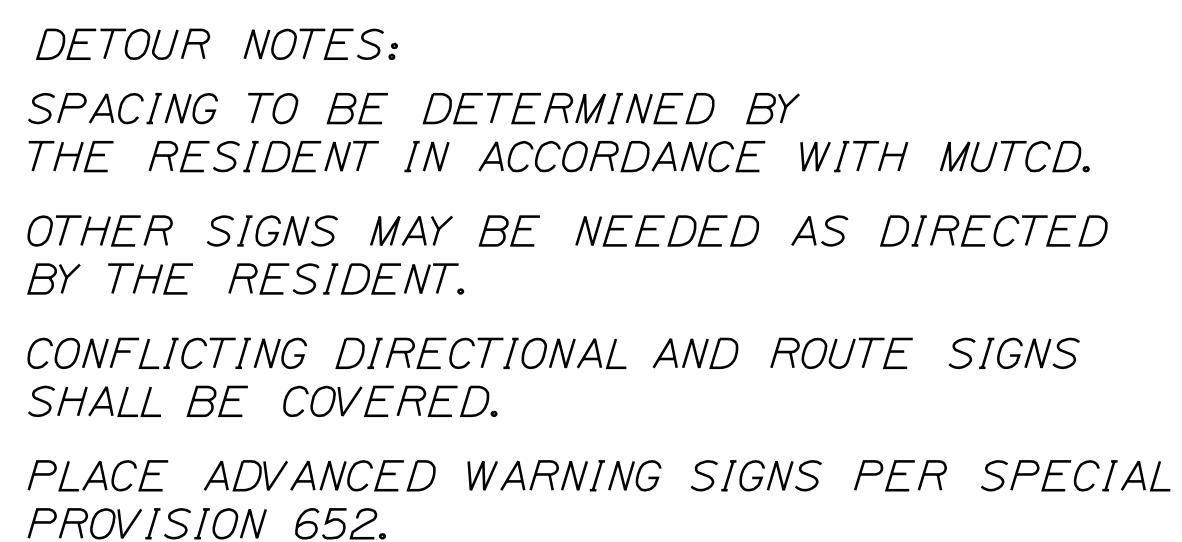
PROJ. MANAGER	BY	DATE	
DESIGN-DETAILED	M.W. Smith	10/18	SIGNATURE
CHECKED-REVIEWED	J. French	10/18	P.E. NUMBER
DESIGN-DETAILED	M.G. Smith	10/18	DATE
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

FIELDS BRIDGE	
EAST BRANCH NEZINSCOT RIVER	
SUMNER-HARTFORD	
OXFORD COUNTY	
SUPERSTRUCTURE	
REINFORCEMENT	

SHEET NUMBER
32
OF 35

STRAIGHT BARS							BENT BARS																
MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION	MARK	QTY	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION	
Abutment No. 1 (Plain)							Abutment No. 1 (Plain)																
A501	50	9'-6"	Transverse Abutment Footing					A551	115	6'-5"	L	5'-7"	10"										Vertical Hook Footing
A502	40	7'-6"	Transverse Wingwall Footing					A552	29	7'-8"	S	0	2'-0"	3'-8"	2'-0"			0					Beam Seat Stirrup
A503	28	6'-6"	Skewed Transverse Footing					A553	2	6'-7"	S	0	2'-0"	2'-7"	2'-0"			0					Beam Seat Stirrup
A504	10	16'-8"	Longitudinal S.W. W.W. Footing					A554	10	5'-2"	V				2'-7"	2'-7"			1'-10"				Horizontal S.W. Corner
A505	8	12'-11"	Longitudinal S.W. W.W. Footing					A555	10	5'-2"	V				2'-7"	2'-7"			2'-0"				Horizontal S.E. Corner
A506	10	12'-6"	Longitudinal S.E. W.W. Footing					A651	54	5'-2"	L	4'-2"	1'-0"										Dowels
A507	8	8'-8"	Longitudinal S.E. W.W. Footing					Abutment No. 1 (Stainless Steel)															
A508	22	26'-9"	Longitudinal Abutment Footing					A551SS	39	10'-0"	S	0	4'-5"	1'-2"	4'-5"			0					Backwall & Wingwall Stirrups
A509	5	12'-3"	Horizontal Abutment N.F.					A552SS	19	5'-2"	S	0	2'-0"	1'-2"	2'-0"			0					Wingwall Stirrups
A510	5	14'-1"	Horizontal Abutment F.F.					A553SS	4	5'-2"	V				2'-7"	2'-7"			1'-10"				Horizontal S.W. Corner E.F.
A511	1	14'-9"	Horizontal Abutment Beam Seat					A554SS	4	5'-2"	V				2'-7"	2'-7"			2'-0"				Horizontal S.E. Corner E.F.
A514	5	12'-6"	Horizontal Abutment N.F.					A555SS	1	4'-4"	V				1'-4"	3'-0"			2'-1"				Horizontal S.W. Corner F.F.
A515	5	13'-11"	Horizontal Abutment F.F.					A556SS	1	5'-5"	V				2'-2"	3'-3"			2'-4"				Horizontal S.W. Corner N.F.
A516	1	14'-7"	Horizontal Abutment Beam Seat					A557SS	1	4'-3"	V				2'-7"	1'-8"			1'-3"				Horizontal S.E. Corner F.F.
A517	1	13'-2"	Horizontal Abutment Beam Seat					A558SS	1	5'-0"	V				2'-9"	2'-3"			1'-9"				Horizontal S.E. Corner N.F.
A518	5	11'-6"	Horizontal S.W. Wingwall F.F.					A559SS	1	2'-8"	V				2'-2"	6"			4"				Horizontal S.W. Corner Top
A519	5	15'-5"	Horizontal S.W. Wingwall N.F.					A560SS	1	3'-3"	V				2'-9"	6"			5"				Horizontal S.E. Corner Top
A520	5	7'-6"	Horizontal S.E. Wingwall F.F.					Abutment No. 2 (Plain)															
A521	5	11'-2"	Horizontal S.E. Wingwall N.F.					B551	24	4'-11"	L	4'-1"	10"										Vertical Hook Footing
Abutment No. 1 (Stainless Steel)							B552	29	7'-8"	S	0	2'-0"	3'-8"	2'-0"			0						Beam Seat Stirrup
A501SS	36	6'-5"	Vertical					B553	2	6'-7"	S	0	2'-0"	2'-7"	2'-0"			0					Beam Seat Stirrup
A502SS	12	16'-3"	Horizontal Backwall E.F.					B554	16	5'-2"	V				2'-7"	2'-7"			1-10"				Horizontal N.E. Corner E.F.
A503SS	2	11'-9"	Horizontal S.W. Wingwall E.F.					B555	16	5'-2"	V				2'-7"	2'-7"			2'-0"				Horizontal N.W. Corner E.F.
A504SS	2	9'-4"	Horizontal S.W. Wingwall E.F.					B651	57	5'-2"	L	4'-2"	1'-0"										Dowels
A505SS	2	6'-4"	Horizontal S.W. Wingwall E.F.					B652	95	5'-1"	L	4'-1"	1'-0"										Vertical Hook Footing
A506SS	2	6'-11"	Horizontal S.E. Wingwall E.F.					Abutment No. 2 (Stainless Steel)															
A507SS	2	5'-8"	Horizontal S.E. Wingwall E.F.					B551SS	40	10'-0"	S	0	4'-5"	1'-2"	4'-5"			0					Backwall & Wingwall Stirrups
A508SS	2	3'-11"	Horizontal S.E. Wingwall E.F.					B552SS	20	5'-2"	S	0	2'-0"	1'-2"	2'-0"			0					Wingwall Stirrups
A509SS	2	11'-11"	Horizontal S.W. Wingwall Top					B553SS	4	5'-2"	V				2'-7"	2'-7"			1'-10"				Horizontal N.E. Corner E.F.
A510SS	1	1'-4"	Horizontal S.W. Wingwall Top					B554SS	4	5'-2"	V				2'-7"	2'-7"			2'-0"				Horizontal N.W. Corner E.F.
A511SS	2	8'-6"	Horizontal S.E. Wingwall Top					B555SS	1	5'-0"	V				1'-4"	3'-8"			2'-7"				Horizontal N.E. Corner F.F.
A512SS	1	2'-7"	Horizontal S.E. Wingwall Top					B556SS	1	6'-3"	V				2'-2"	4'-1"			2'-11"				Horizontal N.E. Corner N.F.
Abutment No. 2 (Plain)							B557SS	1	4'-8"	V				2'-7"	2'-1"			1'-7"				Horizontal N.W. Corner F.F.	
B501	44	9'-6"	Transverse Abutment Footing					B558SS	1	5'-4"	V				2'-9"	2'-7"			2'-0"				Horizontal N.W. Corner N.F.
B502	77	8'-6"	Transverse Wingwall Footing					B559SS	1	2'-8"	V				2'-2"	6"			4"				Horizontal N.E. Corner Top
B503	40	6'-6"	Skewed Transverse Footing					B560SS	1	3'-3"	V				2'-9"	6"			5"				Horizontal N.W. Corner Top
B504	10	18'-2"	Longitudinal N.E. W.W. Footing					Superstructure (Stainless Steel)															
B505	10	15'-4"	Longitudinal N.E. W.W. Footing					S551SS	26	5'-10"	SC	10"	1'-5/2"	1'-3"	1'-5/2"			10"		1'-5/2"			Curb Stirrups
B506	10	14'-0"	Longitudinal N.W. W.W. Footing					S552SS	52	5'-11"	SC	10"	1'-6"	1'-3"	1'-6"			10"		1'-5/2"			Curb Stirrups
B507	10	11'-1"	Longitudinal N.W. W.W. Footing					S553SS	52	6'-0"	SC	10"	1'6/2"	1'-3"	1'-6/2"			10"		1'-5/2"			Curb Stirrups
B510	8	16'-11"	Horizontal N.E. Wingwall					S554SS	62	6'-1"	SC	10"	1'-7"	1'-3"	1'-7"			10"		1'-5/2"			Curb Stirrups
B511	8	9'-0"	Horizontal N.W. Wingwall					S555SS	2	5'-10"	SC	10"	1'-7"	1'-0"	1'-7"			10"		1'-2"			Curb Stirrups
B512	8	12'-8"	Horizontal N.W. Wingwall					S651SS	260	4'-2"	C	8"	3'-6"	0									Overhangs
B513	48	6'-8"	Vertical - Wingwalls																				
B601	8	12'-3"	Horizontal Abutment N.F.																				
B602	8	14'-1"	Horizontal Abutment F.F.																				
B603	1	14'-9"	Horizontal Abutment Beam Seat																				
B604	1	13'-1"	Horizontal Abutment Beam Seat																				
B605	2	13'-11"	Horizontal Abutment Beam Seat																				
B606	8	12'-6"	Horizontal Abutment N.F.																				
B607	8	13'-11"	Horizontal Abutment F.F.																				
B608	1	14'-7"	Horizontal Abutment Beam Seat																				
B609	1	13'-3"	Horizontal Abutment Beam Seat																				
B610	71	6'-8"	Vertical Stem																				
Abutment No. 2 (Stainless Steel)																							
B501SS	38	6'-5"	Vertical																				
B502SS	12	16'-3"	Horizontal Backwall E.F.																				
B503SS	4	13'-3"	Horizontal N.E. Wingwall & Top																				
B504SS	2	11'-5"	Horizontal N.E. Wingwall E.F.																				
B505SS	2	7'-10"	Horizontal N.E. Wingwall E.F.																				
B506SS	2	6'-8"	Horizontal N.W. Wingwall E.F.																				
B507SS	2	4'-8"	Horizontal N.W. Wingwall E.F.																				
B508SS	1	1'-4"	Horizontal N.E. Wingwall Top																				
B509SS	2	9'-10"	Horizontal N.W. Wingwall Top																				
B510SS	1	2'-7"	Horizontal N.W. Wingwall Top																				
B511SS	2	8'-3"	Horizontal N.E. Wingwall E.F.																				
Superstructure (Glass Fiber Reinforced Polymer)																							
S501G	170	34'-4"	Longitudinal																				
S601G	272	23'-9"	Transverse																				
MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION	





SHEET NUMBER <div>34</div> OF 35		FIELDS BRIDGE EAST BRANCH NEZINSCOT RIVER SUMNER-HARTFORD OXFORD COUNTY				PROJ. MANAGER	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
		DETOUR PLAN				DESIGN-DETAILED	E. Carrier	10/18		
						CHECKED-REVIEWED	S. Beaumont, L. Greer	10/18		
						DESIGN2-DETAILED2	E. Maloney, M.G. Smith	10/18		
						DESIGN3-DETAILED3			SIGNATURE	21705.00
						REVISIONS 1			P.E. NUMBER	
						REVISIONS 2				
						REVISIONS 3				
						REVISIONS 4			DATE	WIN 21705.00
						FIELD CHANGES				
									BRIDGE NO. 0690	BRIDGE PLANS

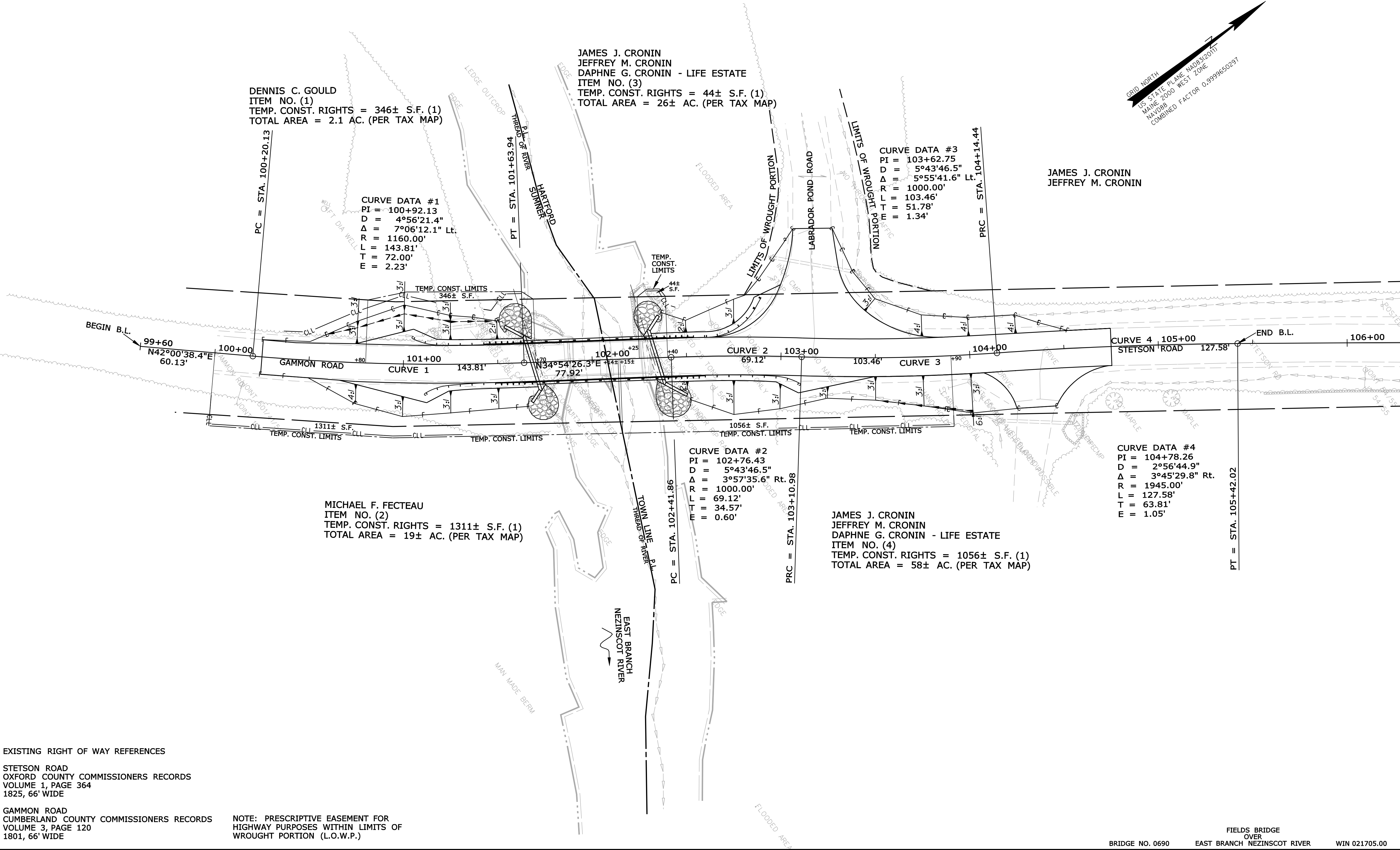
Date:10/11/2018

Username: Perry.Silverman

Division: ROW

Filename: ... \00\ROW\MSTA001_RWP\PLAN1.dgn

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 ABUTTING PROPERTY OWNERS.



EXISTING RIGHT OF WAY REFERENCES

STETSON ROAD
OXFORD COUNTY COMMISSIONERS RECORDS
VOLUME 1, PAGE 364
1825, 66' WIDE

GAMMON ROAD
CUMBERLAND COUNTY COMMISSIONERS RECORDS
VOLUME 3, PAGE 120
1801, 66' WIDE

NOTE: PRESCRIPTIVE EASEMENT FOR
HIGHWAY PURPOSES WITHIN LIMITS OF
WROUGHT PORTION (L.O.W.P.)

REVISIONS				PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD						DAVID BERNHARDT COMMISSIONER JOYCE NOEL TAYLOR CHIEF ENGINEER DATE												TOWN WAY GAMMON ROAD & STETSON ROAD SUMNER/HARTFORD OXFORD COUNTY FEDERAL AID PROJECT NO. BR-2170(500)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						