

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



JIM POND TWP
FRANKLIN COUNTY
ALDER STREAM BRIDGE
OVER
ALDER STREAM
ROUTE 27

STATE PROJECT 23104.00
PROJECT LENGTH 0.10 mi.
BRIDGE NO. 3265

SPECIFICATIONS

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

DESIGN LOADING

Live Load HL - 93 Modified for Strength 1

TRAFFIC DATA

Current (2019) AADT 810
Future (2039) AADT 890
DHV - % of AADT 12
Design Hour Volume 107
% Heavy Trucks (AADT) 34
% Heavy Trucks (DHV) 27
Directional Distribution (DHV) 53
18 kip Equivalent P 2.0 430
18 kip Equivalent P 2.5 409
Design Speed (mph) 50

HYDROLOGIC DATA

Drainage Area 51 sq mi
Design Discharge (Q50) 4988 cfs
Check Discharge (Q100) 5751 cfs
Headwater Elevation (Q50) 1196.35 ft
Headwater Elevation (Q100) 1197.20 ft
Discharge Velocity (Q50) 2.74 fps
Discharge Velocity (Q100) 2.96 fps
Headwater Elevation (Q1.1) 1189 ft
Discharge Velocity (Q1.1) 1.09 fps
Headwater Elevation (Q25) 1195.45 ft

MATERIALS

Concrete:
Curbs Class "LP"
All Other Class "A"
Reinforcing:
Plain Reinforcing Steel ASTM A 615/A 615M, Grade 60
Stainless Reinforcing Steel ASTM A 955, Grade 75
Structural Steel:
All Material (except as noted) ASTM 709, Grade 50W (unpainted)
High Strength Bolts ASTM F3125, Grade A325

BASIC DESIGN STRESSES

Concrete:
Class "A" f'c = 4,000 psi
Class "LP" f'c = 5,000 psi
Reinforcing:
Plain Reinforcing Steel fy = 60,000 psi
Stainless Reinforcing Steel fy = 75,000 psi
Structural Steel:
ASTM A709, Grade 50 Fy = 50,000 psi
ASTM F3125, Grade A325 Fy = 127,000 psi

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UTILITIES

Central Maine Power Company
Somerset Telephone Company

MAINTENANCE OF TRAFFIC

Maintain alternating one-way traffic using temporary one-lane bridge with temporary signals.

PROJECT LOCATION:	Alder Stream Bridge #3265 carries Route 27 over Alder Stream. Lat./Long. 45°-15'-15" N, 70°-32'-49" W
PROGRAM AREA:	Bridge Program
OUTLINE OF WORK:	Bridge Replacement with approximately 215 ft. of approach work



WIN 23104.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED

COMMISSIONER: Christopher George Sichak
CHIEF ENGINEER: Kara Holaday

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CHIEF ENGINEER: Kara Holaday

PROJECT INFORMATION

PROGRAM	BRIDGE PROGRAM
PROJECT MANAGER	MICHAEL WIGHT
DESIGNER	CHRIS SICHAK
CONSULTANT	ERDMAN ANTHONY
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

JIM POND TWP
ALDER STREAM BRIDGE

TITLE SHEET

SHEET NUMBER

1

OF 41

GENERAL CONSTRUCTION NOTES

- 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, placed below EL. 1196.35 shall be Granular Borrow meeting the requirements of Subsection 703.19, Material for Underwater Backfill.*
- 7. Place riprap on side slopes up to EL. 1196.35.*
- 8. Place loam 2 inches deep on all new or reconstructed side slopes or as directed by the Resident.*
- 9. 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.*
- 10. Place a 24-in. wide strip of Temporary Erosion Control Blanket on the side slopes along the top of the riprap and behind the wingwalls.*
- 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:*

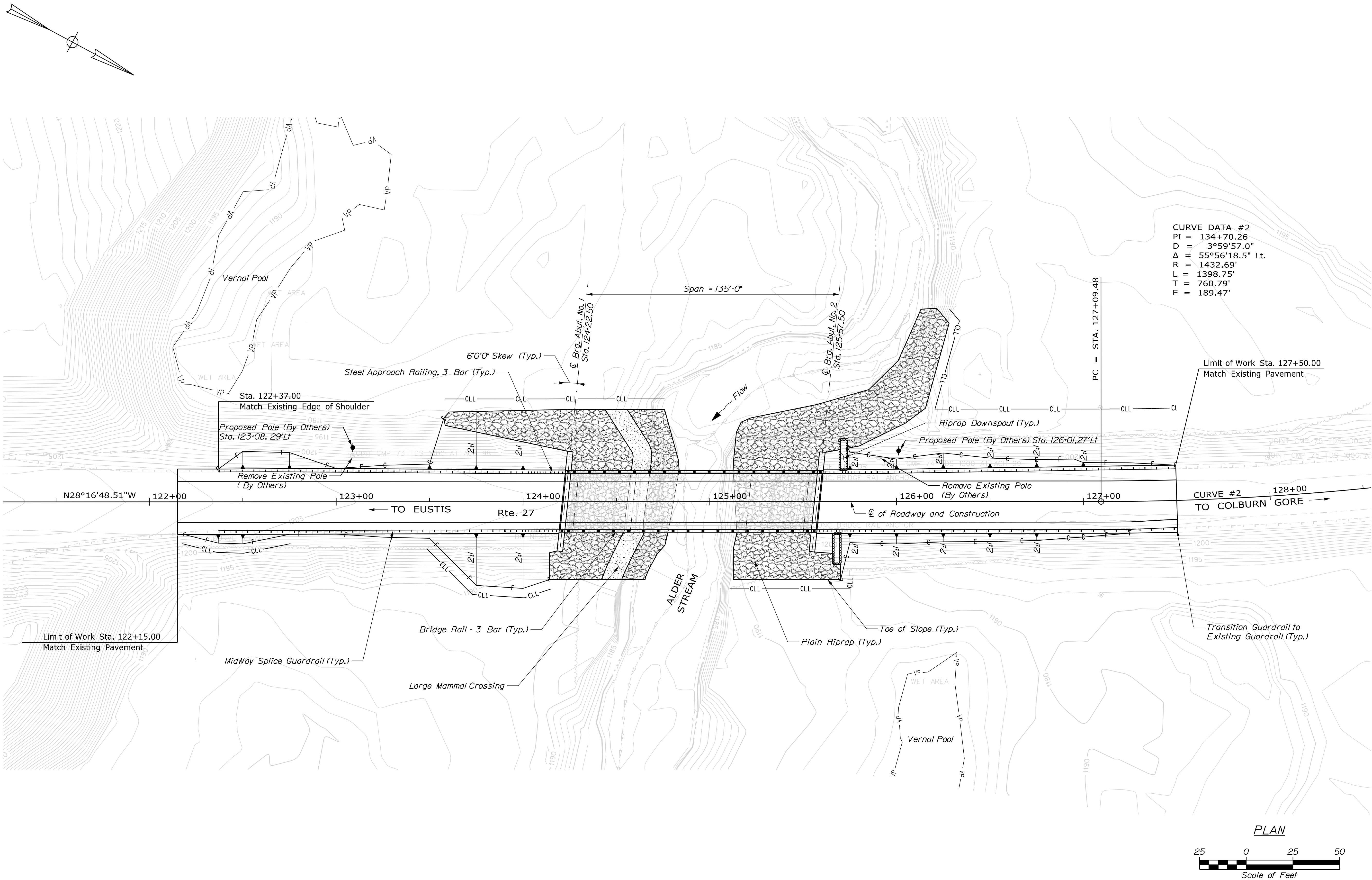
All exposed surfaces of concrete curbs, Fascias down to the drip notch, Top of abutment backwalls and to one foot below the Top of backwalls on the back side.
- 13. Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>.*
- 14. The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.*
- 15. The hydrologic report of the bridge site may be accessed at the MaineDOT web address. The hydrologic 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.*
- 16. The project geotechnical report titled: Geotechnical Design Report for the Replacement of Alder Stream Bridge, Jim Pond Township, Maine, dated 3/25/2021, may be accessed at the MaineDOT web address.*
- 17. 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.*
- 18. 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.*
- 19. In mill and overlay areas, erosion at the top of the existing embankment slope shall be addressed by placing at least 6" of Erosion Control Mix and No. 2 Seed, each approved by Environmental Staff. Well established, vegetated slope below the erosion shall be left undisturbed as much as possible.*

Date:7/9/2021

Username: LindoT

Division: BRIDGE

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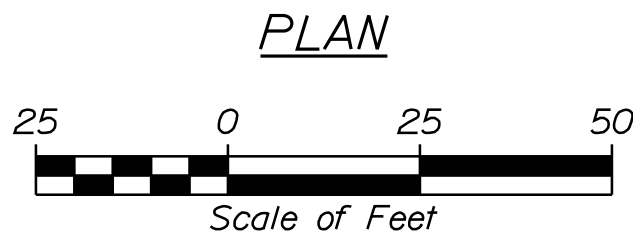


CURVE DATA #2
PI = 134+70.26
D = 3°59'57.0"
Δ = 55°56'18.5" Lt.
R = 1432.69'
L = 1398.75'
T = 760.79'
E = 189.47'

Limit of Work Sta. 127+50.00
Match Existing Pavement

CURVE #2
TO COLBURN GORE

Transition Guardrail to
Existing Guardrail (Typ.)



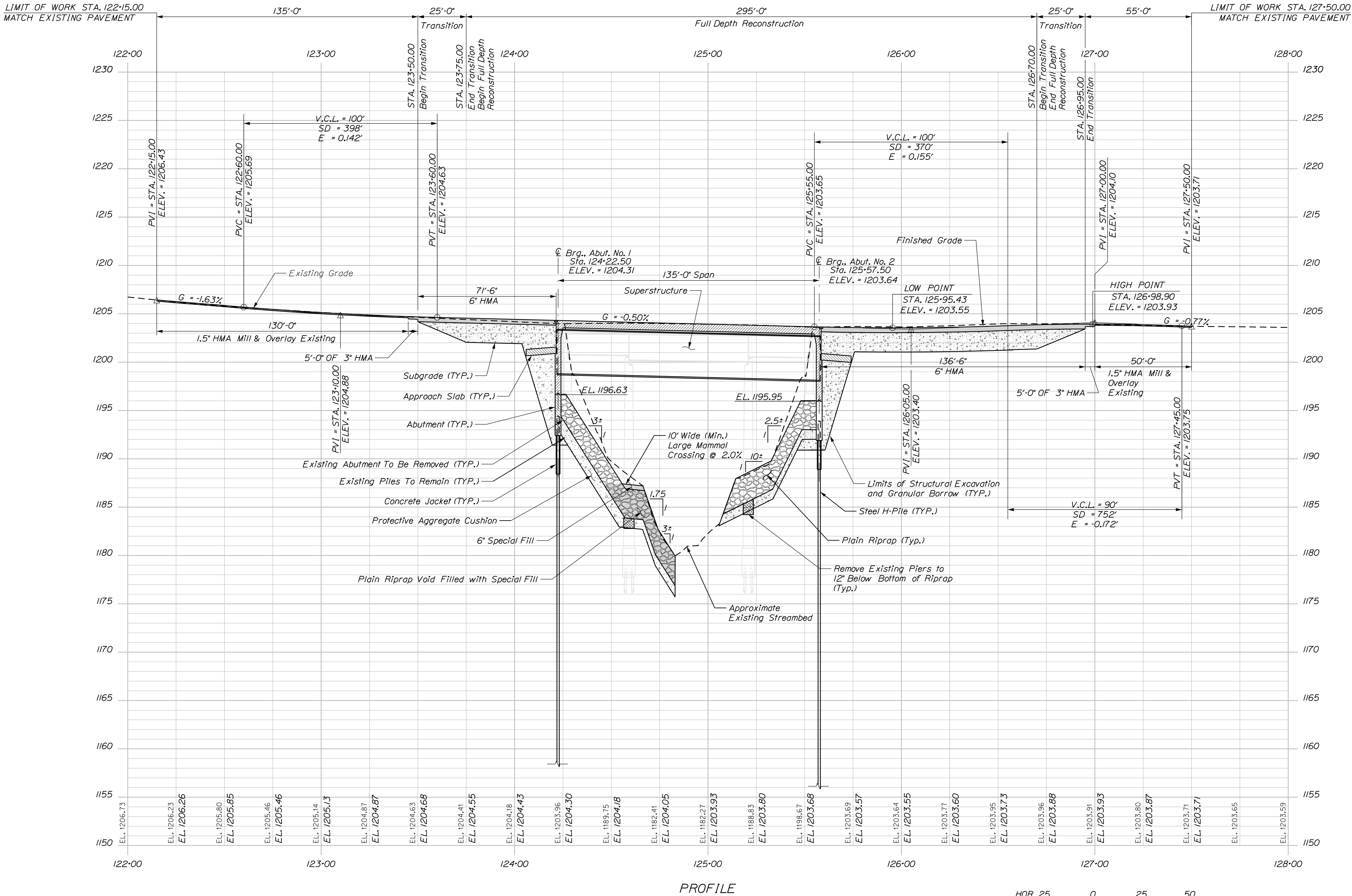
ERDMAN
ANTHONY

STATE OF MAINE
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23104.00
WIN
23104.00
BRIDGE NO. 3265
BRIDGE PLANS

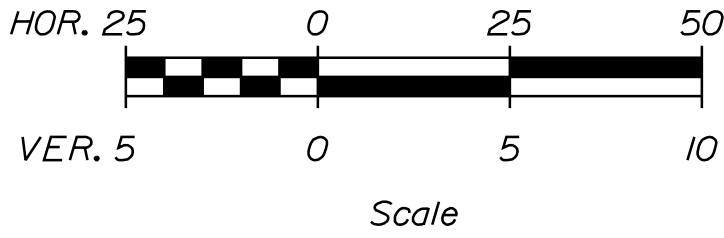
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CHECKED-DETAILED	LEE WYMB	TLARP	6/2021
CHECKED-REVIEWED	C. SCHAK	C. SCHAK	6/2021
DESIGNS DETAILER			
DESIGNS DETAILER			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ALDER STREAM BRIDGE
ALDER STREAM
JIM POND TWP
FRANKLIN COUNTY
GENERAL PLAN

SHEET NUMBER
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OF 41



PROFILE

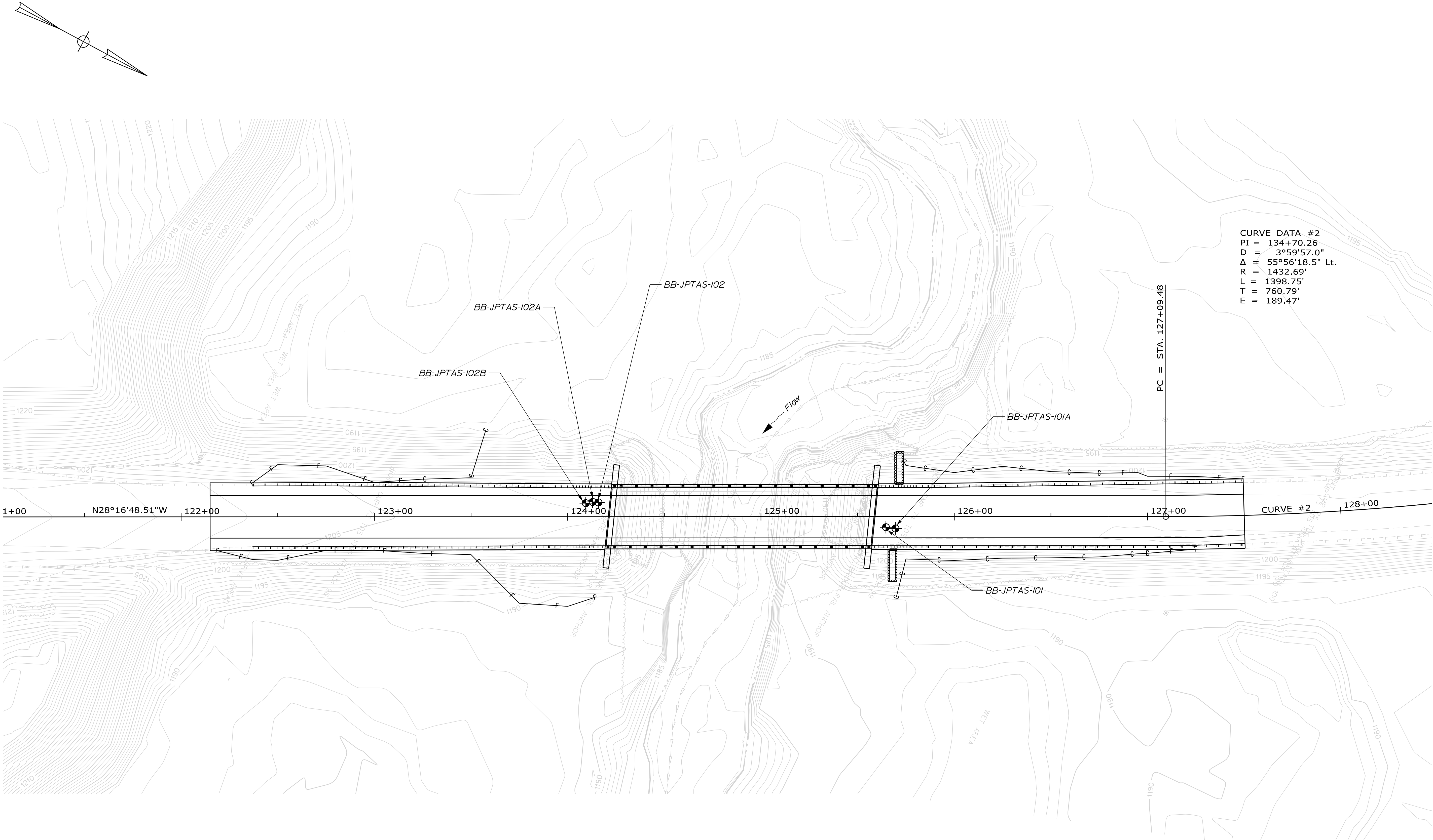


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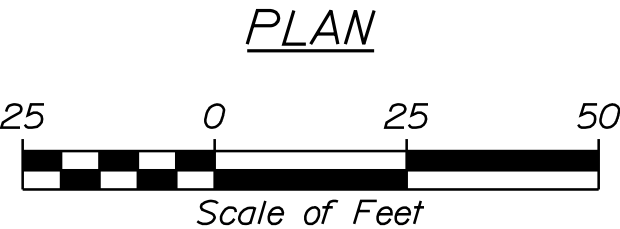
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 R = 1432.69'
 L = 1398.75'
 T = 760.79'
 E = 189.47'

LEGEND
 CASED WASH BORING



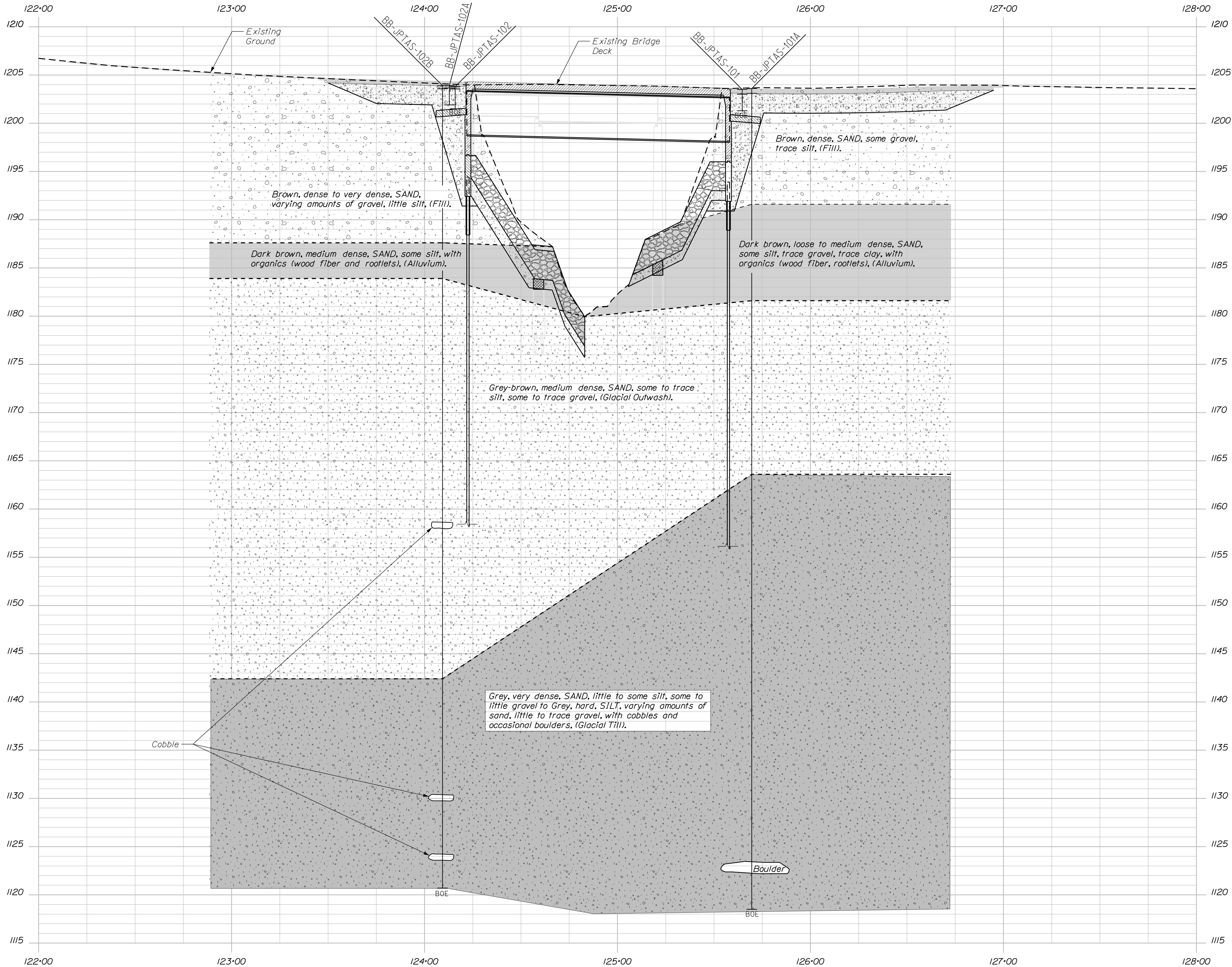
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	23104.00			
	WIN 23104.00 BRIDGE NO. 3265 BRIDGE PLANS			
BORING LOCATION PLAN	PROJ. MANAGER	MICHEL WRIGHT	BY	DATE
	CHECKED-REVIEWED	LEE WYNG C. SCHAK	TLARP C. SCHAK	6/2021 6/2021
	DESIGN-DETAILED			SIGNATURE
	REVISIONS 1			P.E. NUMBER
	REVISIONS 2			DATE
SHEET NUMBER 5 OF 41				

Date: 7/9/2021

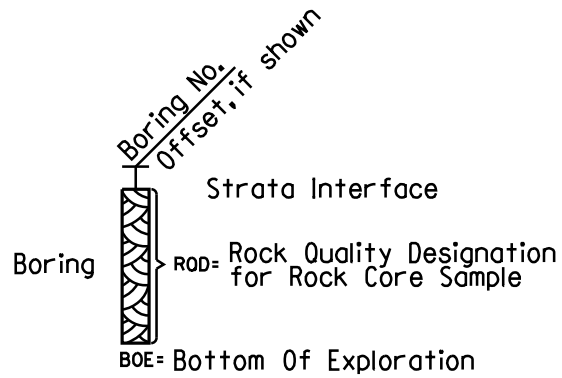
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Division: BRIDGE

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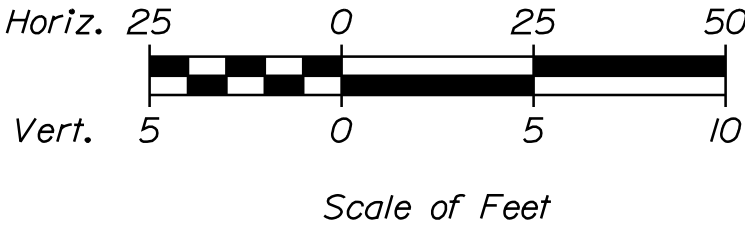


LEGEND



Note:
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 explorations and samples. Actual soil transitions may vary and are probably more erratic. For more specific information refer to the exploration logs.

PROFILE



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		23104.00		BRIDGE NO. 3265		BRIDGE PLANS	
PROJECT NO.		23104.00		WIN		23104.00	
DESIGN-DETAILED		6/2021		SIGNATURE		P.E. NUMBER	
CHECKED-REVIEWED		C. SICHAK		DATE		DATE	
DESIGNS DETAILING		C. SICHAK		DATE		DATE	
REVISIONS 1				DATE		DATE	
REVISIONS 2				DATE		DATE	
REVISIONS 3				DATE		DATE	
REVISIONS 4				DATE		DATE	
FIELD CHANGES				DATE		DATE	

ALDER STREAM BRIDGE
ALDER STREAM
JIM POND TWP
FRANKLIN COUNTY

INTERPRETIVE SUBSURFACE
PROFILE

SHEET NUMBER

6

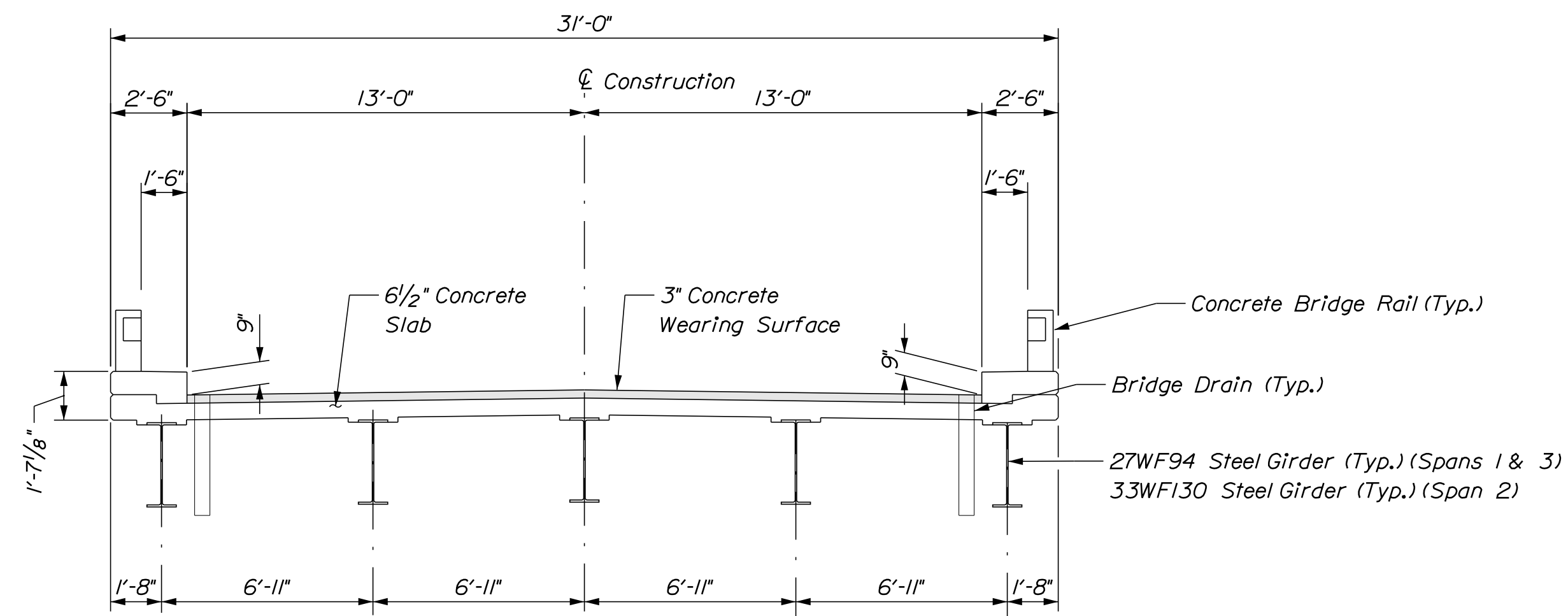
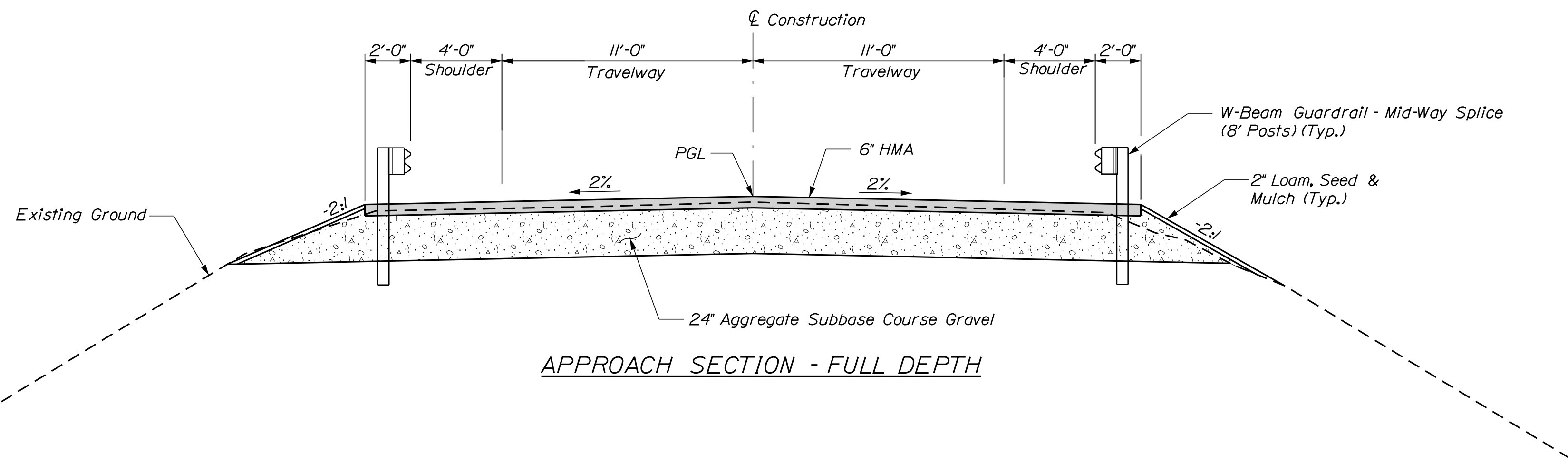
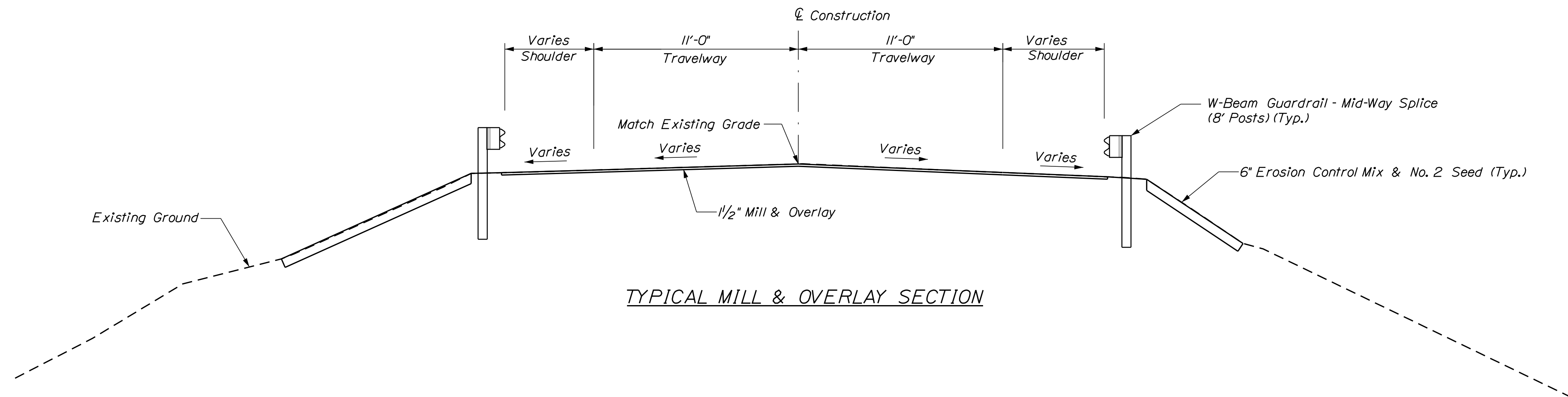
OF 41

Maine Department of Transportation Soil/Book Exploration Log US CUSTOMARY UNITS				Project: Alder Stream Bridge #1265 carries Route 27 over Alder Stream Location: Jim Pond Township, Maine		Boring No.: BB-JPTAS-101A	
Drillers: New England Boring Contractors				Elevation (ft.): 1205.6		WIN: 023104	
Operators: M. Porter				Distorts: NAVD88		Auger ID/OD: 5" Solid Stem	
Logged By: J. McIlroy				Rig Type: Mobile B-53		Samplers: Standard Split Spoon	
Date Start/Finish: 02/11/2020 - 02/24/2020				Drilling Method: Solid Stem Auger		Hammer R/t/Fats: 140 lbs/30"	
Boring Location: Sta. 025+63.6, 6.3 FT RT				Closing ID/OD: PW 5/5.5" / HW 4/4.5"		Core Barrels: N02 2"	
Hammer Efficiency Factor: 0.004				Hammer Type: Automatic <input type="checkbox"/> Hydraulic <input type="checkbox"/> Rope & Cable <input type="checkbox"/>		TSS Test During: No/Stop	
Soil Information				Laboratory			
R = Rock Core Sample SA = Solid Stem Auger HA = Hollow Stem Auger IC = Water Core BS = Right of Way Hammer WSKC = Right of Road or Casing RW = Right of Way Borehole M = Unsuccessful Split Spoon Sample Attempt U = Thin Wall Tube Sample V = Field Vane Shear Test, PP = Pocket Penetrometer M = Unsuccessful Field Vane Shear Test Attempt				L = Pocket Torque Shear Strength Test WC = Water Content, percent LL = Liquid Limit PL = Plastic Limit PI = Plasticity Index G = Grain Size Analysis C = Consolidation Test			
Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Soils (US Standard Penetration Test) SPT Blows per Foot (CU)	Uncorrected	Corrected	Visual Description and Remarks
60	130	3/3	65.00 - 65.25	50-3"	-	145	Gravelly, moist, hard, sandy SILT, little gravel, tubular fill.
						117	
						132	
						146	
						235	
70	140	3/3	70.00 - 70.25	68-3"	-	120	Similar to above, except wet.
						132	
						145	
						273	
						583	
75	150	2/2	75.00 - 75.17	100-2"	-	327 (25N)	Similar to above. PW casing refusal. Placed HW casing.
80	MD RT	0/0 / 27.8	80.70 - 80.70 / 82.95	50-0"	-	N02	Boulder.
85	MD	1/0	85.00 - 85.08	50-0"	-	118.5	PW casing refusal. Drive shoe broke. Bottom of Exploration at 85.1 feet below ground surface. No Refusal
90							
95							
100							

Maine Department of Transportation				Project: Alder Stream Bridge #3265 carries Route 27 over Alder Stream		Boring No.: BB-BPTAS-102A								
Soil/Rock Exploration Log US CUSTOMARY UNITS				Location: Jim Pond Township, Maine		WIN: 023104								
Driller: S. W. Cole Explorations, LLC		Elevation (ft.): 1201.9		Auger ID/OD: 3" Solid Stem										
Operator: K. Hancock		Datum: NAVD83		Sampler: Standard Split Spoon										
Logged By: E. Walker		Rig Type: Ditchditch D-50 Truck Mounted		Hammer Wt/Fall: 140 lbs/30"										
Date Start/Finish: 11/29/2019		Drilling Method: Cased Wash		Core Barrel: N/A										
Boring Location: Sta. 124+129, 7.4 ft. LL		Casing ID/OD: N/A		Water Level*: None observed										
Hammer Efficiency Factor: 0.977				Hammer Type: Automatic <input checked="" type="checkbox"/> Hydraulic <input type="checkbox"/> Rope & Cathead <input type="checkbox"/>										
Definitions: O = Split Spoon Sample MD = Unsuccessful Split Spoon Sample Attempt U = Thin Wall Tube Sample MU = Unsuccessful Thin Wall Tube Sample Attempt CV = Pocket Vane Shear Test PP = Pocket Penetrometer MZ = Unsuccessful Field Vane Shear Test Attempt				R = Rock Core Sample SBA = Solid Stem Auger HSA = Hollow Stem Auger RC = Roller Core WOH = Weight of 140lb. Hammer WOCW = Weight of Rock or Casing WOP = Weight of One Foot S _u = Peak/Remolded Field Vane Undrained Shear Strength (psf) S _{u(g)} = Lab Vane Undrained Shear Strength (psf) q _p = Unconfined Compressive Strength (psf) N _{unremolded} = Raw Field SPT Value Hammer Efficiency Factor = Rg Specific Annual Calibration Value N _g = RPT Unremolded Corrected for Hammer Efficiency N _g = Hammer Efficiency Factor/(SPT/N _{unremolded}) T _u = Pocket Torvane linear Shear Strength (psf) WC = Water Content, percent LL = Liquid Limit PL = Plastic Limit PI = Plasticity Index Q = Grain Size Analysis GZ = Consolidation Test										
Sample Information														
Depth (ft.)	Sample No.	Pen. Rec. (in)	Sample Depth (ft.)	Blows (6 in) (B.L.)	Blow Count Strength (pcf)	Blow Count Strength at 400 (pcf)	Unremolded	Gravel	Nsg	Casing	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/AASHTO and Unified Class.
0										SSA	1201.9		3" of Pavement	
											1201.9		Augered to 2 ft bgs. Soils similar to boring BB-BPTAS-102 from 0 to 2 ft bgs. (Fill)	0-3
5													Bottom of Exploration at 2.0 feet below ground surface. Concrete encountered; offset boring. No Refusal.	2-0
10														
15														
20														
25														
Remarks:														
Autohammer SN 367 Calibrated 7/29/2019. bgs = below ground surface.														
Stratification lines represent approximate boundaries between soil types; transitions may be gradual.														
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.														
Boring No.: BB-BPTAS-102A														

[illegible]

70	130	10/10	10.00 - 70.83	15/50-4"	- -	<p>Grey, wet, hard, Sandy Silt, trace gravel, Glacial Till.</p> <p>Cobble.</p>	<p>01X534410 A-4, M, W-15, 75</p>
75	140	17/14	15.00 - 76.42	30/45/50-5"	- -	<p>Similar to above. Placed NW Casing. Advanced by drill then drive.</p> <p>Grey, wet, very dense, Silty SAND, little gravel, well bonded, ITSL.</p>	
80	MD	3/0	80.00 - 80.25	50-3"	- -	<p>No recovery.</p> <p>Cobble.</p>	
85						<p>NW casing refusal, Drive shoe broke.</p> <p>Bottom of Exploration at 83.2 feet below ground surface.</p>	
90							
95							
100							
<p>Remarks:</p> <p>Autohammer SN 367 Calibrated 1/29/2019. 0pgs - below ground surface. 0 to 70 ft bgs drilled 11-20-2019 to 11-21-2019. Water level measured on 11-21-2019 prior to start of drilling.</p> <p>See Page 1 of 2 for continuation of Boring BB-JPTAS-102B to the left.</p>							
<p>* Water level readings have been made of times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.</p>							<p>Page 2 of 2</p> <p>Boring No.: BB-JPTAS-102B</p>

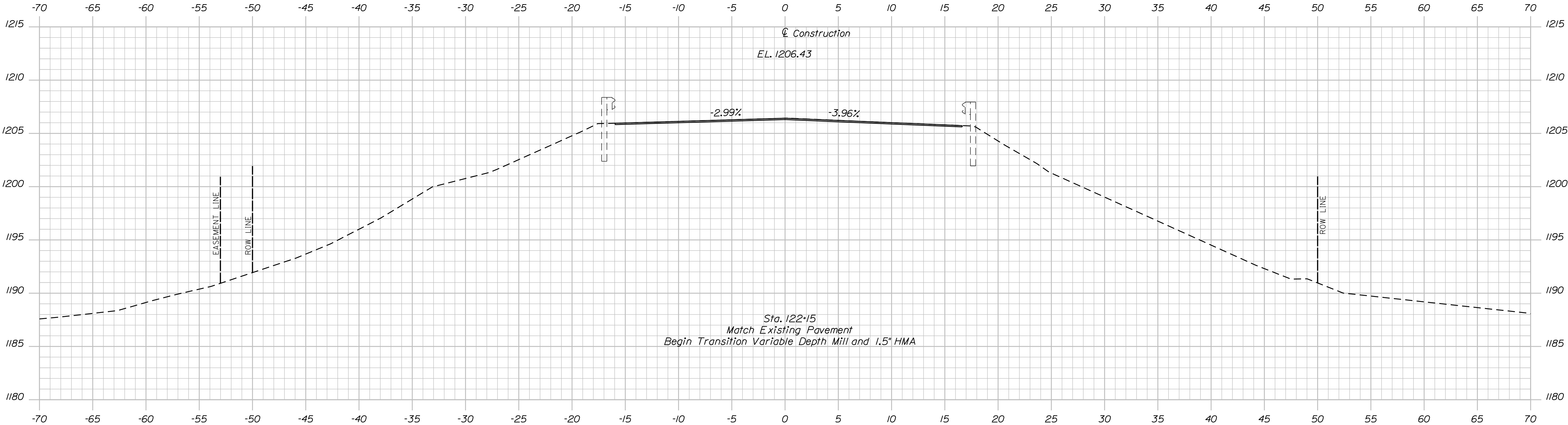
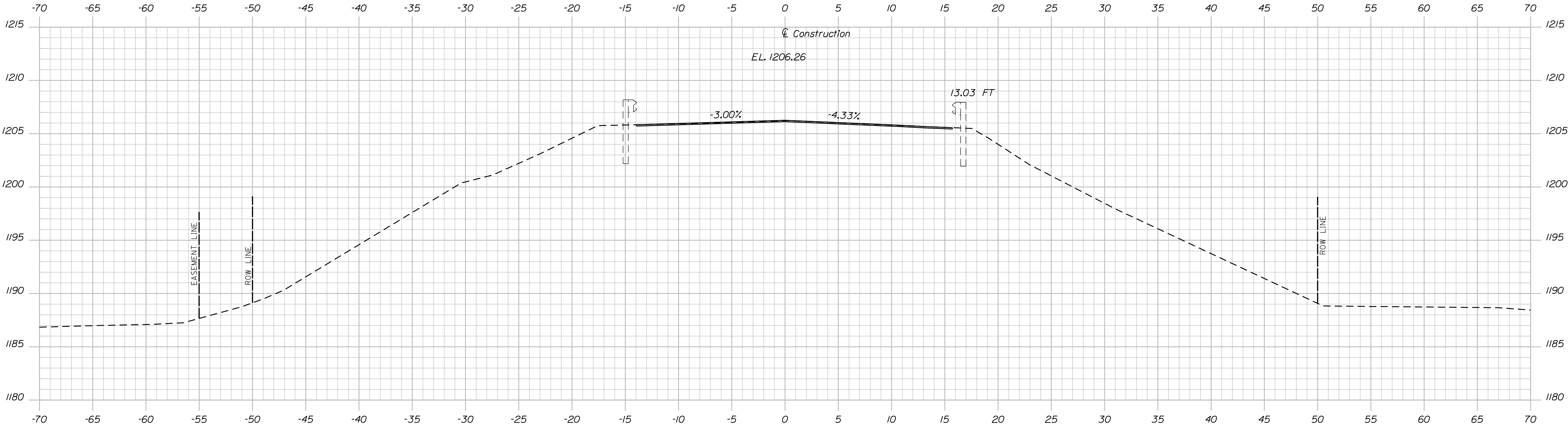


Date:7/9/2021

Username: LindoT

Division: BRIDGE

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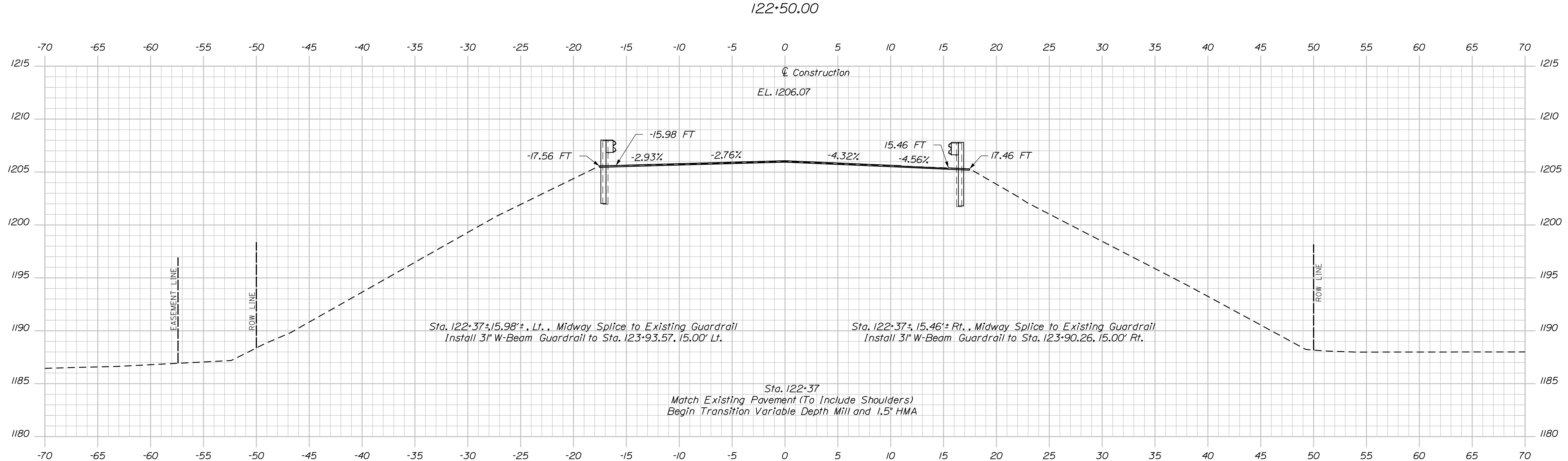
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
23104.00	
WIN	23104.00
BRIDGE NO. 3265	BRIDGE PLANS

PROJ. MANAGER	MICHAEL WIGHT	BY	DATE
DESIGN-DETAILED	LEE WYNG	TLARP	6/2021
CHECKED-REVIEWED	C. SICHAK	C. SICHAK	6/2021
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ALDER STREAM BRIDGE	FRANKLIN COUNTY
ALDER STREAM	
JIM POND TWP	122+15.00 CROSS SECTIONS 122+25.00

SHEET NUMBER
10
OF 41

Date: 7/9/2021



122+37.00

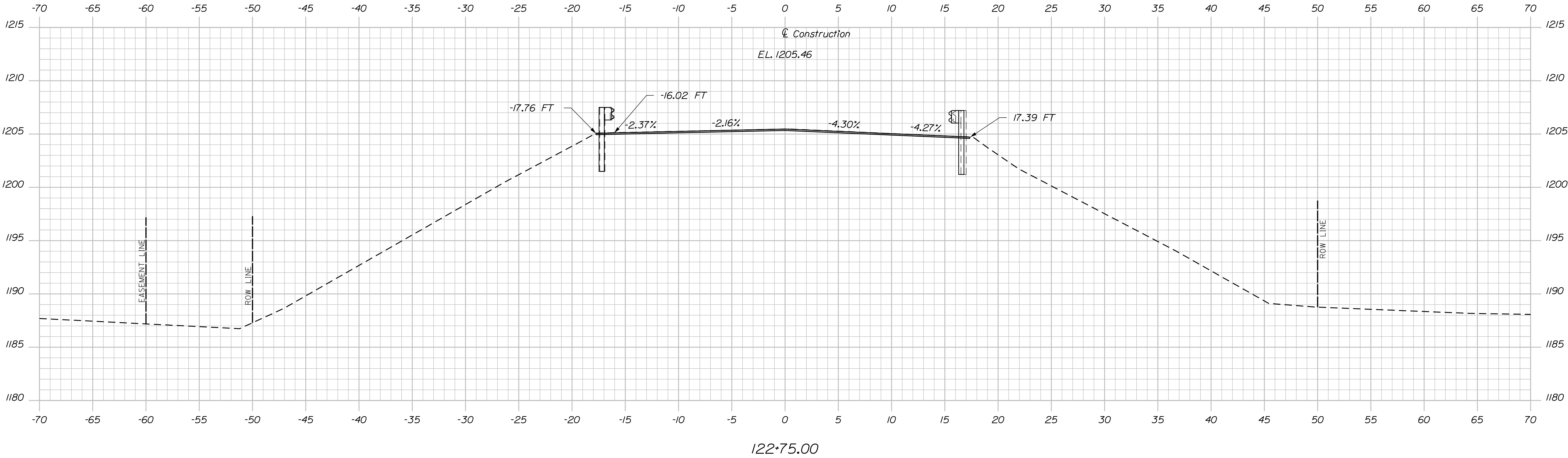
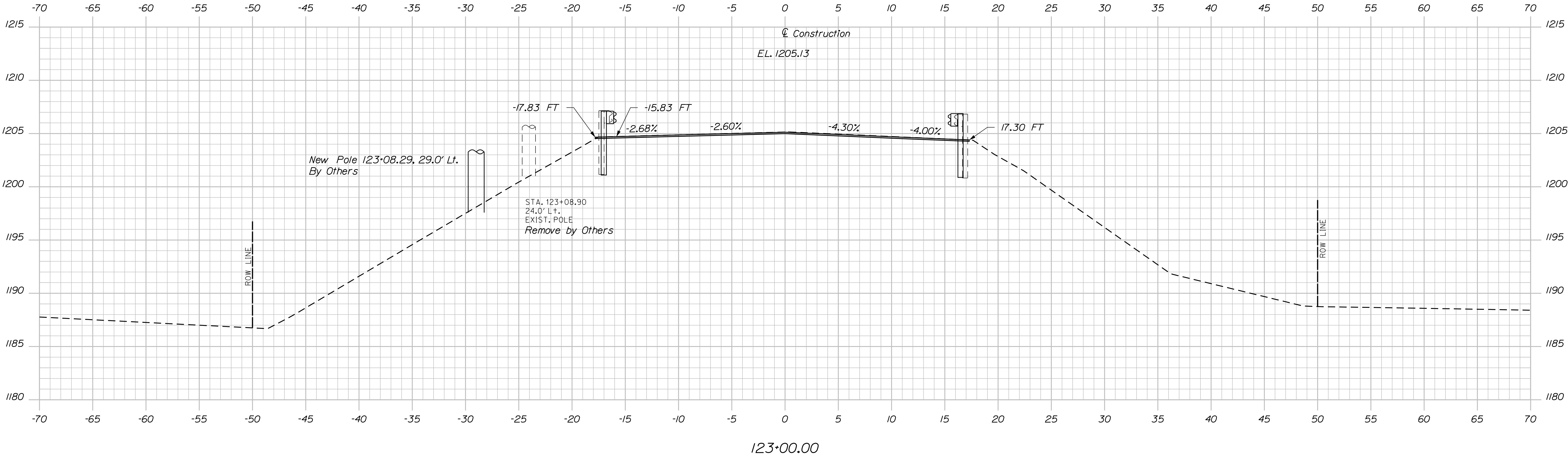
ERDMAN
ANTHONY

Date:7/9/2021

Username: LindoT

Division: BRIDGE

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

23104.00

BRIDGE NO. 3295
WIN
23104.00
BRIDGE PLANS

ALDER STREAM BRIDGE
ALDER STREAM
JIM POND TWP
FRANKLIN COUNTY

122+75.00 CROSS SECTIONS 123+00.00

SHEET NUMBER

12

OF 41

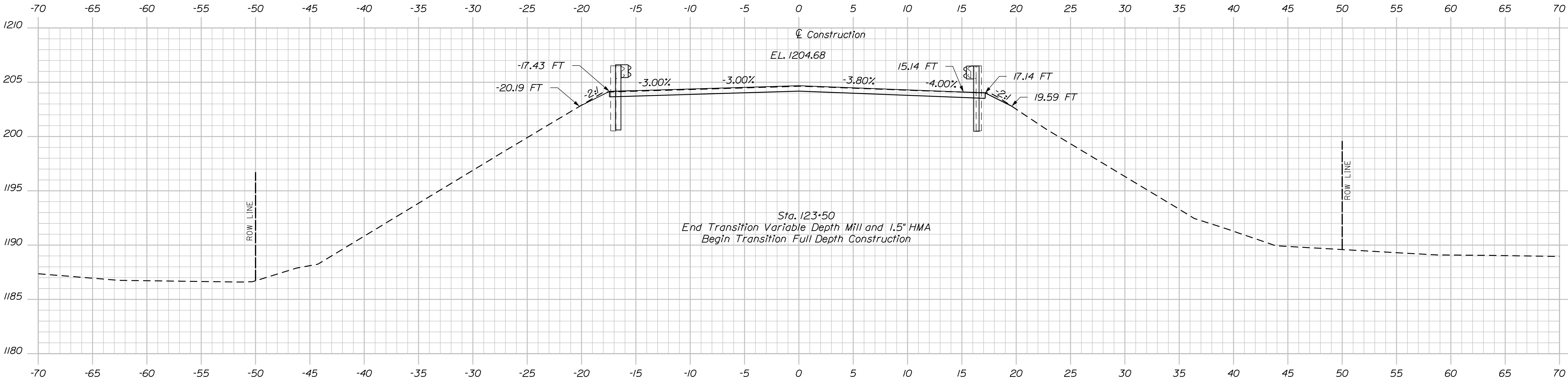
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CHECKED-REVIEWED	C. SICHAK	C. SICHAK	6/2021	
DESIGNS-DETAILED				P.E. NUMBER
DESIGNS-DETAILED				DATE
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

Date: 7/9/2021

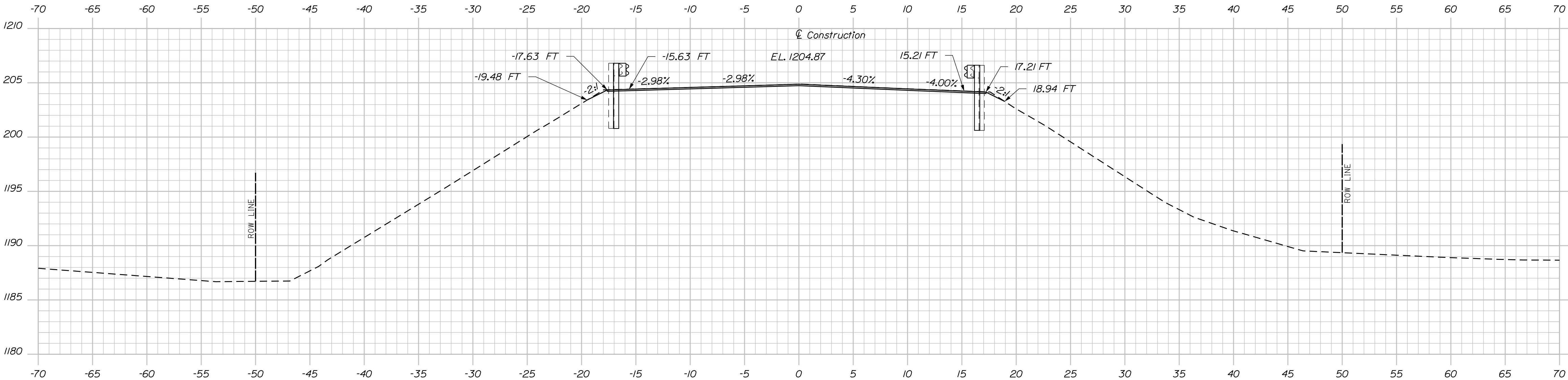
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123+50.00



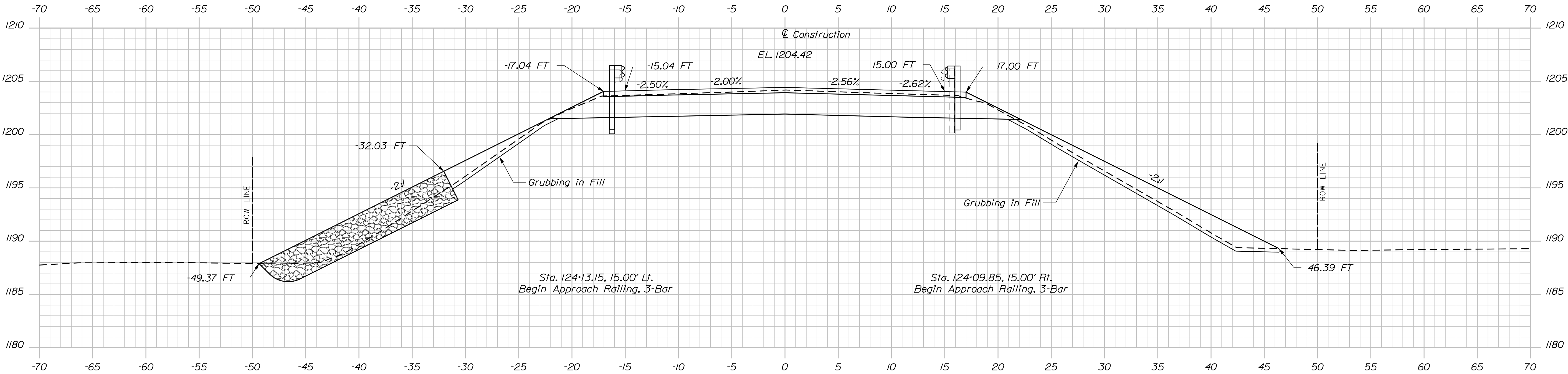
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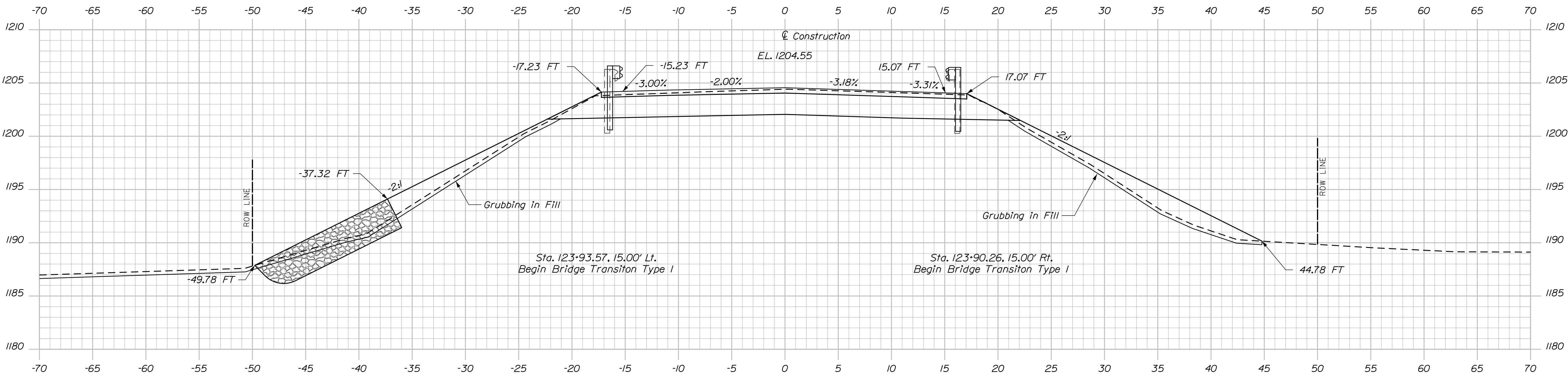
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124+00.00



123+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

23104.00

BRIDGE NO. 3265
WIN
23104.00

BRIDGE PLANS

ALDER STREAM BRIDGE
ALDER STREAM
FRANKLIN COUNTY
JIM POND TWP

123+75.00 CROSS SECTIONS 124+00.00

SHEET NUMBER

14

OF 41

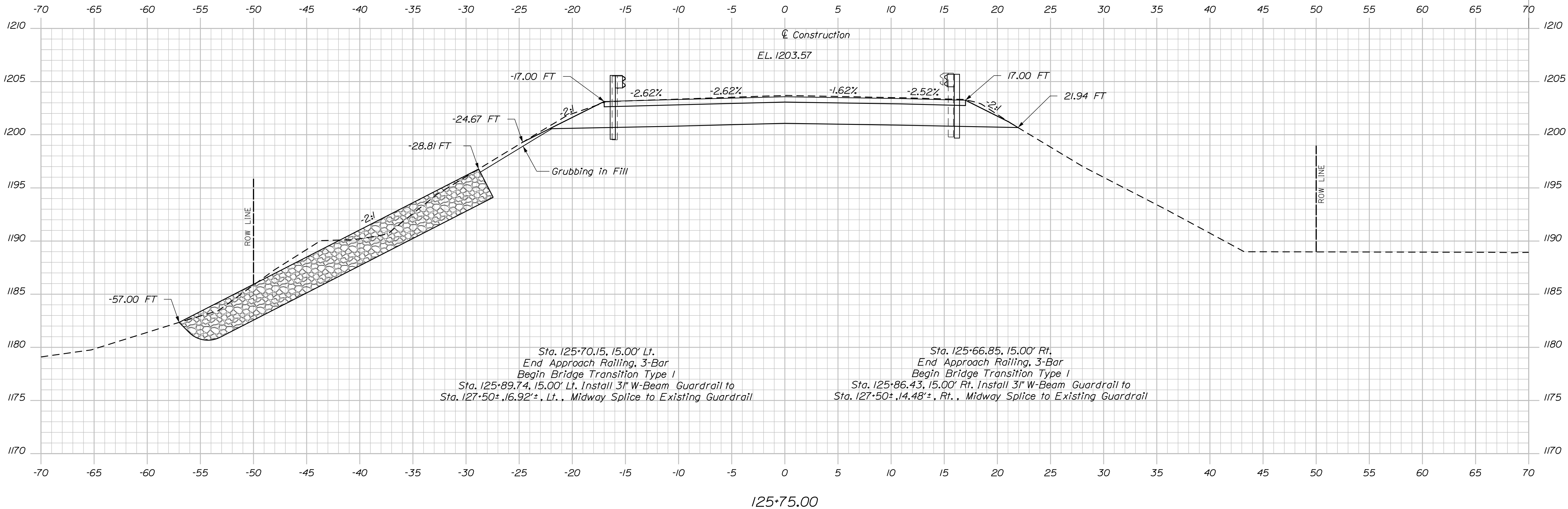
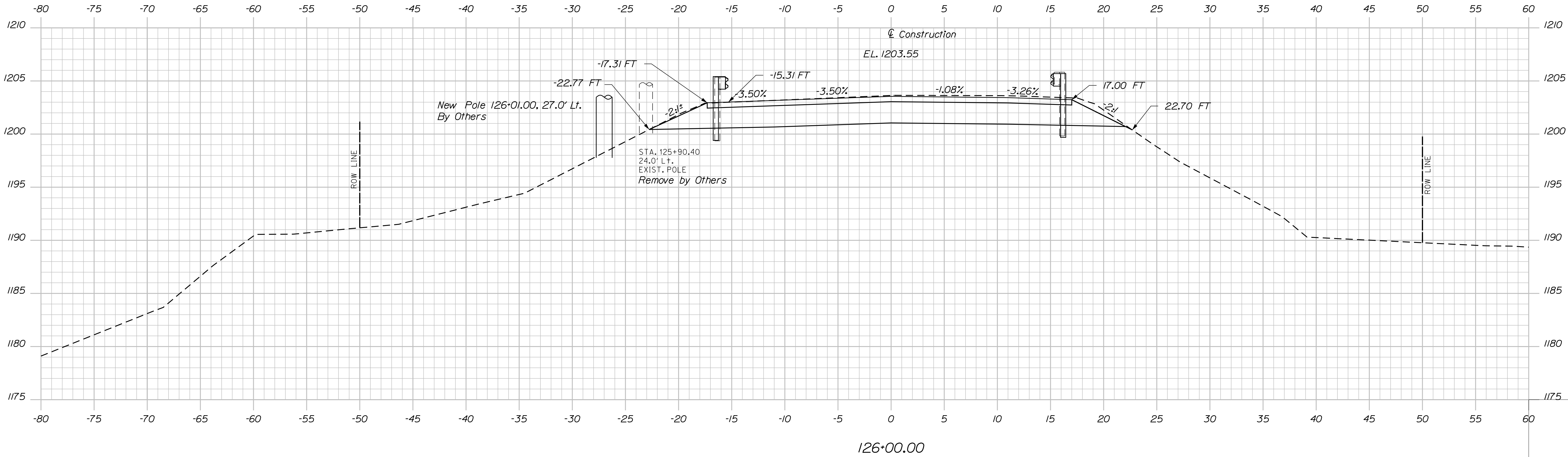
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CHECKED	REVIEWED	DESIGNED	DETAILS	SIGNATURE	
C. SCHAK	C. SCHAK			P.E. NUMBER	
DESIGN	REVISIONS	DATE			
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2	2				
3	3				
4	4				
FIELD CHANGES					

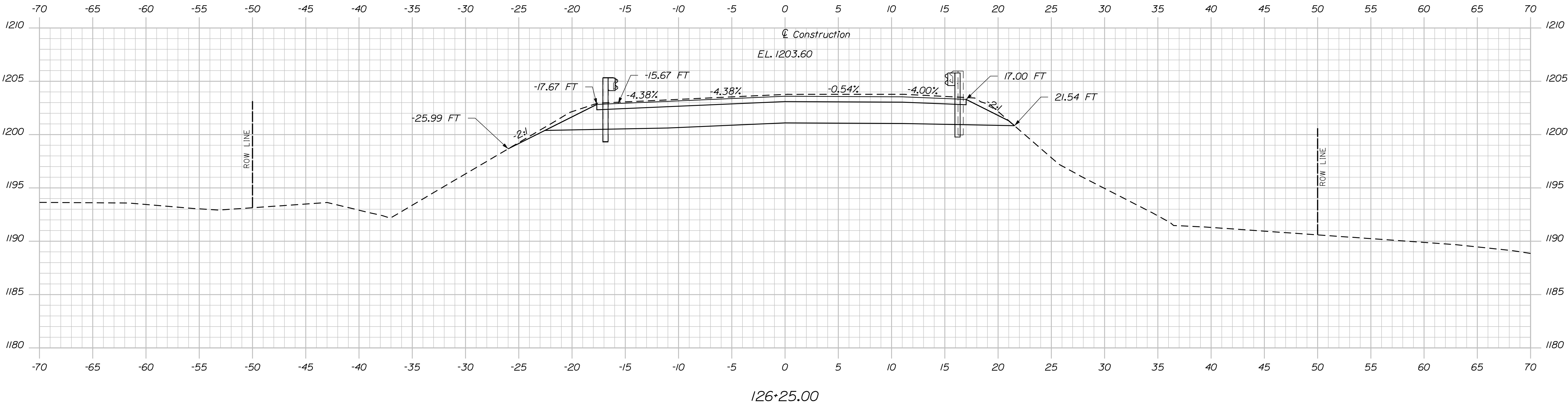
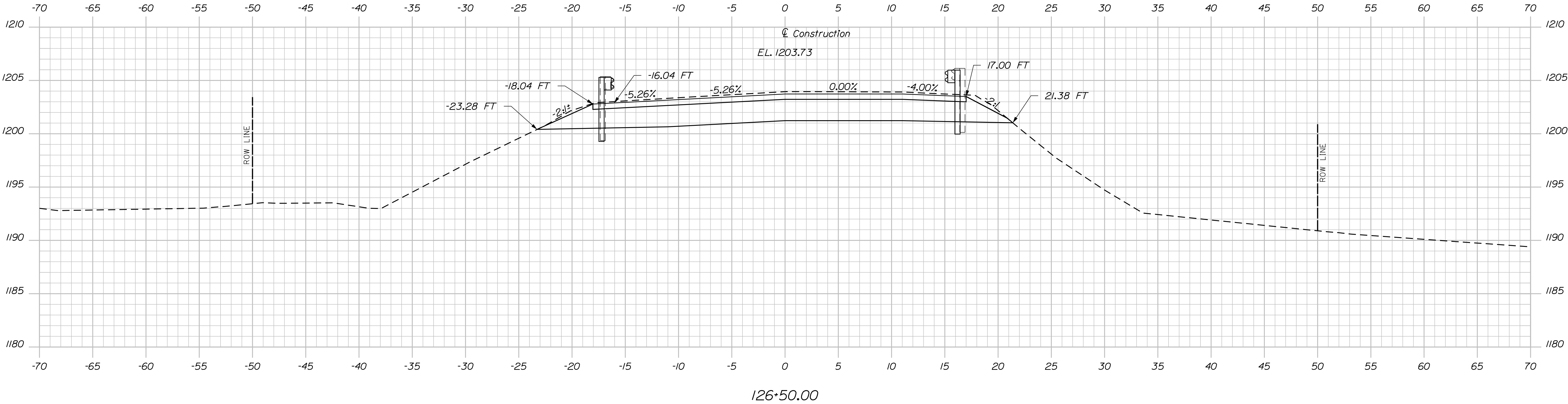
Date:7/9/2021

Username: LindoT

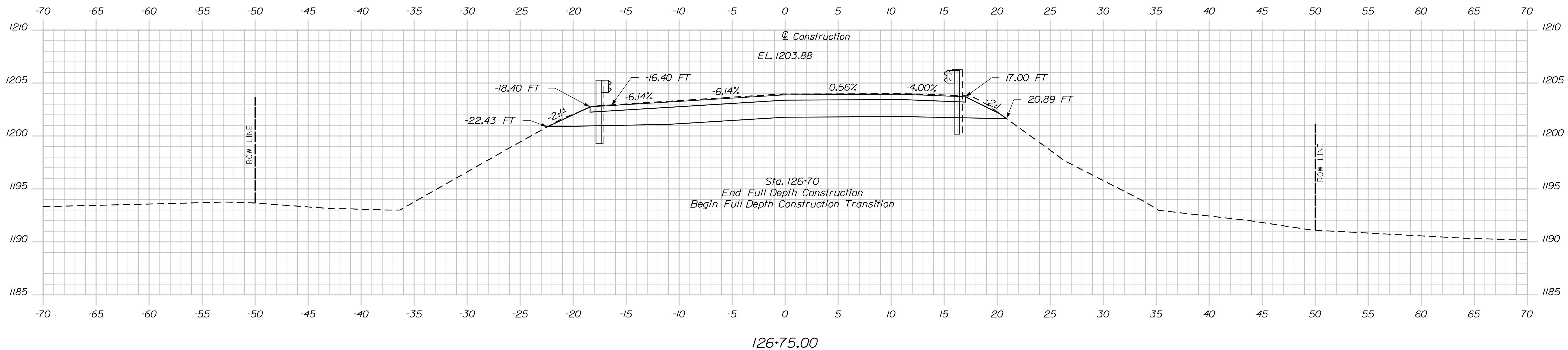
Division: BRIDGE

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Filename: ... \Bridge\MSTA\017_Xsect_08.dgn



17
OF 41

SHEET NUMBER

ALDER STREAM BRIDGE
ALDER STREAM
JIM POND TWP FRANKLIN COUNTY
126+75.00 CROSS SECTIONS 126+95.00

PROJ. MANAGER	MICHAEL WIGHT	BY	DATE
DESIGN-DETAILED	EFAMY WB	TLRP	6/2/2021
CHECKED-REVIEWED	C. SICHAK	C. SICHAK	6/2/2021
DESIGN-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			

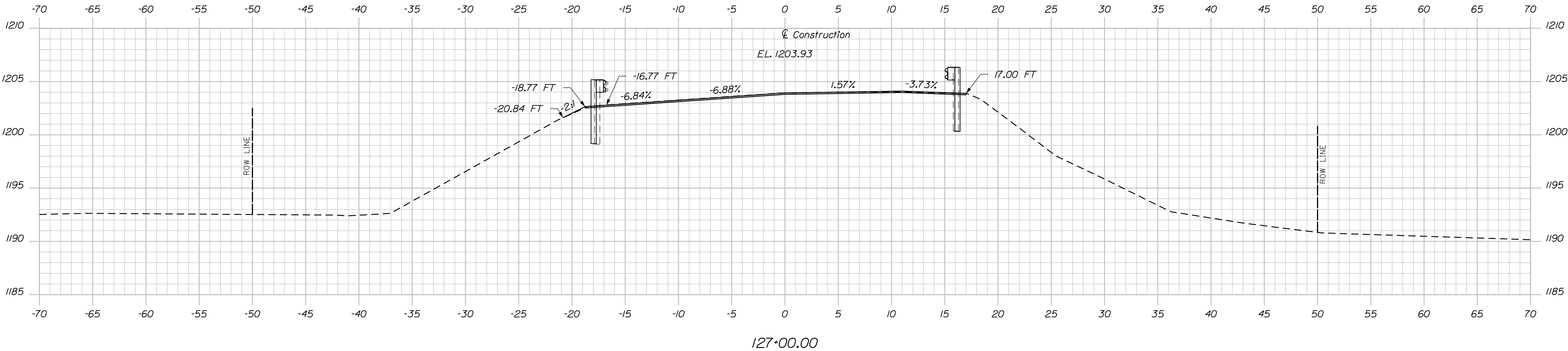
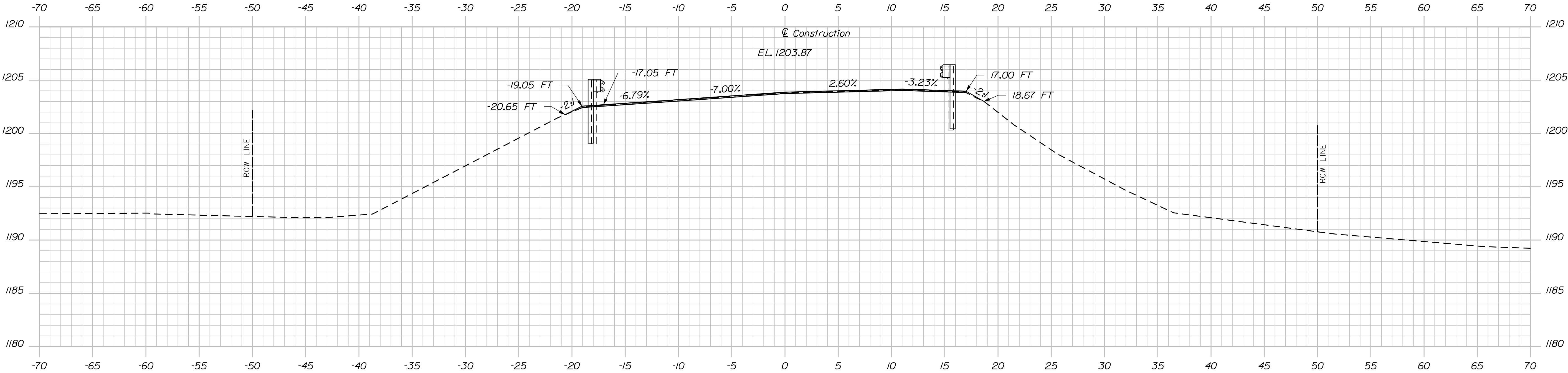
SIGNATURE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
P.E. NUMBER	
DATE	
23104.00	
BRIDGE NO. 3265 WIN BRIDGE PLANS 23104.00	

Date:7/9/2021

Username: LindoT

Division: BRIDGE

Filename: ... \Bridge\MSTA\018_xsect_09.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

23104.00

WIN
23104.00

BRIDGE NO. 3265
BRIDGE PLANS

ALDER STREAM BRIDGE
ALDER STREAM
JIM POND TWP
FRANKLIN COUNTY

2+00.00
CROSS SECTIONS
3+00.00

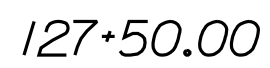
DESIGN-DETAILED	BY	DATE
CHECKED-REVIEWED	TLARP	6/2021
DESIGNS-DETAILED	C. SICHAK	6/2021
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

SHEET NUMBER

18

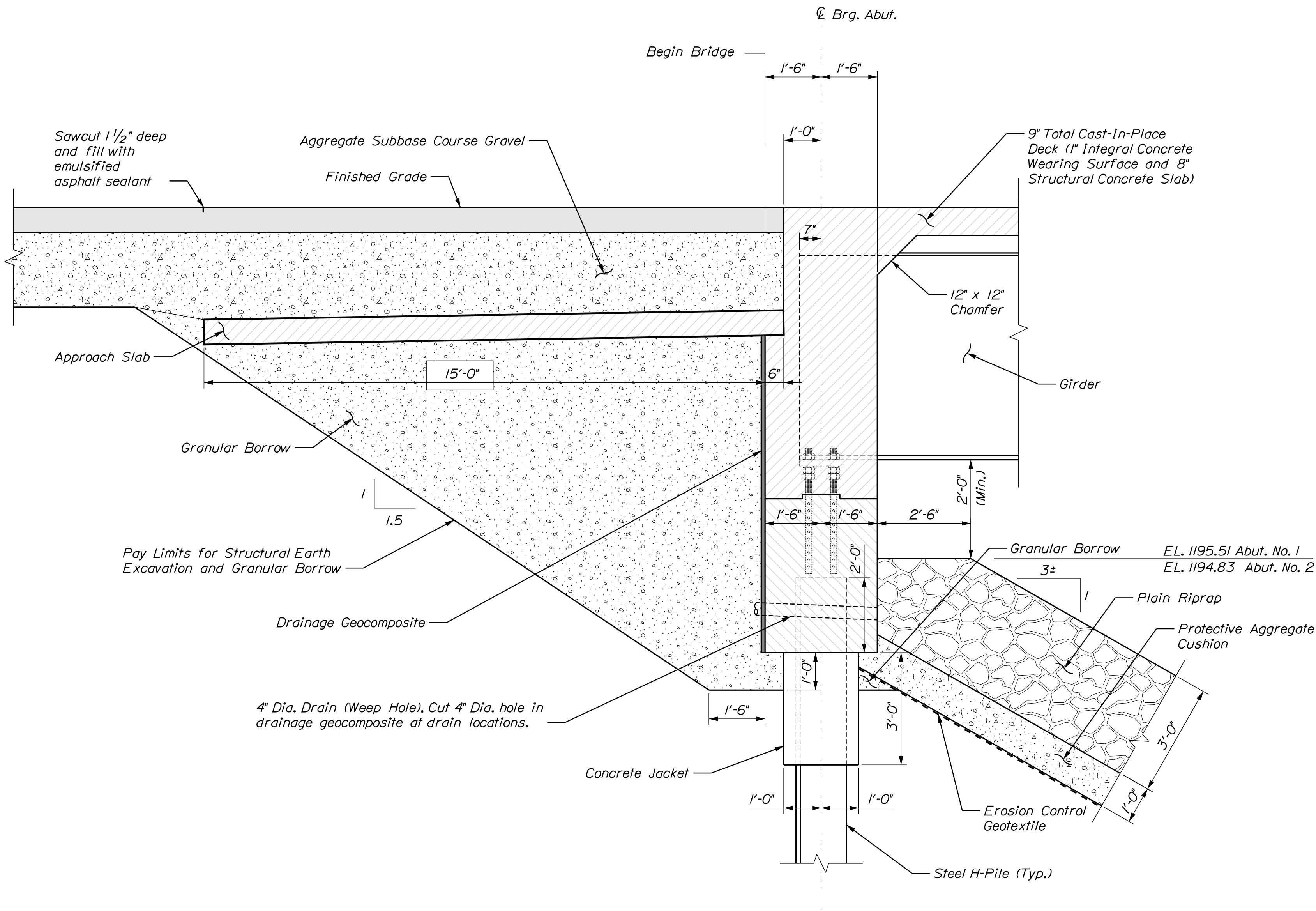
OF 41



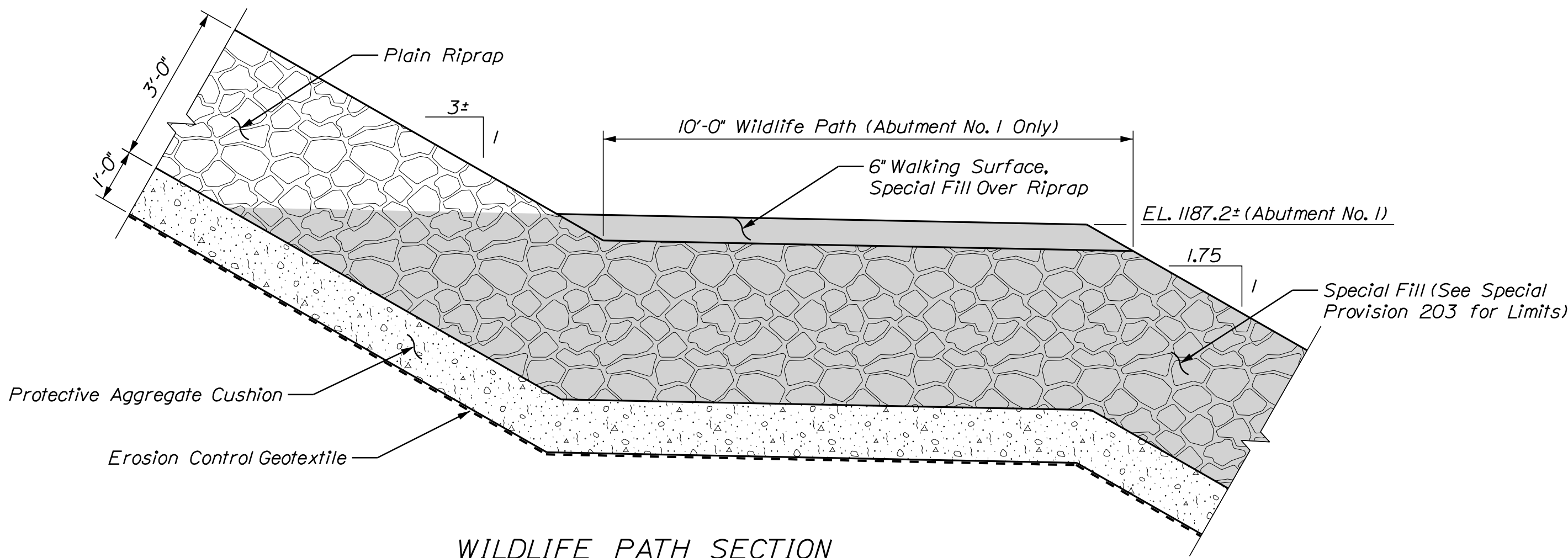
OF 41

ALDER STREAM BRIDGE
ALDER STREAM
JIM POND TWP FRANKLIN COUNTY
127+50.00 CROSS SECTIONS 127+50.00

PROJ. MANAGER		MICHAEL WRIGHT	BY	DATE
DESIGN-DETAILED	EF.MY.NB	TL.VP		6/2/2021
CHECKED-REVIEWED	C. SICHAK	C. SICHAK		6/2/2021
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				
P.E. NUMBER				
DATE				
<div> <div>BRIDGE NO. 3265</div> <div>WIN</div> <div>23104.00</div> </div>				
BRIDGE PLANS				



TYPICAL ABUTMENT SECTION

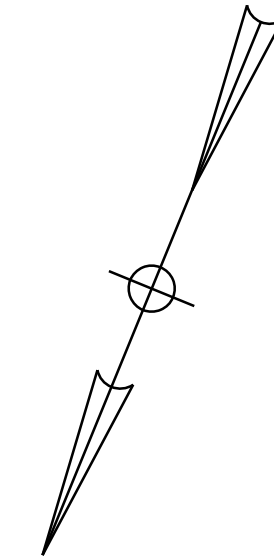


WILDLIFE PATH SECTION

NOTES

1. Transverse sawcuts in the pavement at the ends of approach slabs shall be sealed with emulsified asphalt sealing compound conforming to Specification 702.12. The sawcut and emulsified asphalt sealing shall not be paid for directly but considered incidental to related Contract items.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		23104.00		BRIDGE PLANS	
ALDER STREAM BRIDGE		ALDER STREAM		JIM POND TWP		SHEET NUMBER	
FRANKLIN COUNTY		TOWN		BRIDGE NO. 3265		20	
TYPICAL ABUTMENT		SECTION AND NOTES		WIN		OF 41	
23104.00		23104.00		23104.00		23104.00	
SIGNATURE		P.E. NUMBER		DATE		DATE	
DATE		BY		DATE		DATE	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		CHECKED-REVIEWED	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	

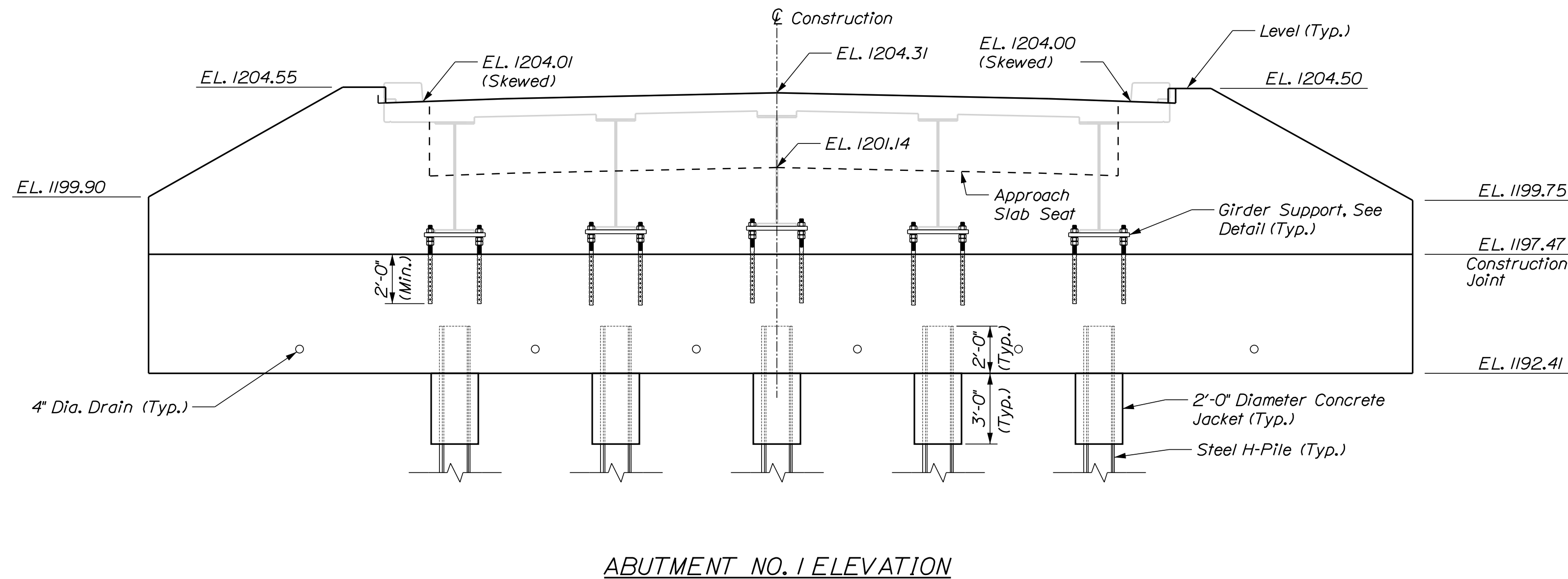


2. Reinforcing steel shall have a minimum concrete cover of 2 inches in the walls unless otherwise noted.
3. Cover joints where waterstops are not required in accordance with Standard Details Section 502(OI).
4. Abutments, wingwalls and their footings shall be backfilled with Granular Borrow. Pay limits will be the structural excavation limits in cut areas and a vertical plane located 10 feet behind the walls in fill areas.
5. Install drainage geocomposite behind the abutments and wingwalls up to the approach slab seat elevation.
6. Payment for the concrete jackets around the tops of the H-Piles will be considered incidental to Contract Item 502.219, Structural Concrete Abutment and Retaining Walls. No separate payment will be made. Fill concrete may be used for the concrete jackets.
7. Place 4-in. diameter drains in the breastwall and wingwalls at 10-ft maximum spacing. The exact location will be determined by the Resident.
8. See Sheet No. 23 for SECTION A-A and SECTION B-B.

1. The maximum factored pile load is 231 kips at the Strength V Limit State.
2. H-pile material shall be ASTM A572, Grade 50.
3. Estimate of piles required:
 - a. Abutment No. 1: 5 ~ HP 14 x I17 @ 75 feet
 - b. Abutment No. 2: 5 ~ HP 14 x I17 @ 82 feet

The order lengths of the piles shall include an additional 10 feet of length for each test pile to accommodate dynamic pile testing equipment and variability in the subsurface.

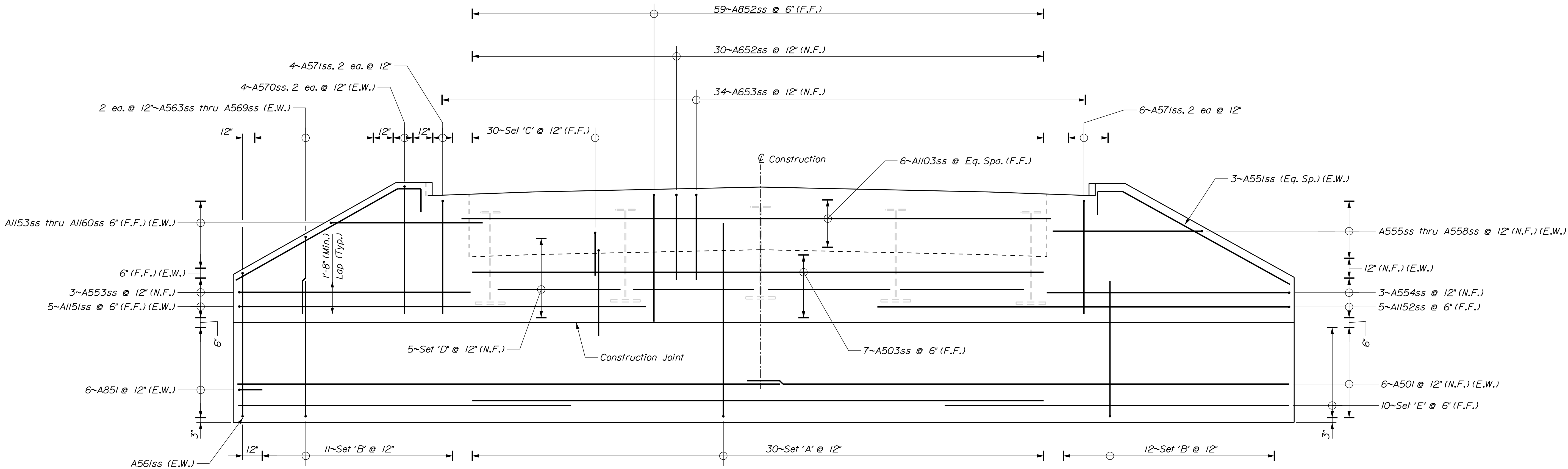
4. All piles shall be equipped with a pile tip in accordance with Standard Specifications Subsections 501.048, Prefabricated Pile Tips and 711.10, H-Beam Piles, Splices and Tips.
5. Piles shall be driven to a minimum tip elevation of 1130 (Abutment 1), 1120 (Abutment 2) or deeper in accordance with Standard Specification Section 501.
6. Piles shall not be out of position shown by more than 2 inches in any direction.
7. Cobbles and boulders may be encountered at either of the proposed abutment locations and impede pile driving operations. If obstructions are encountered prior to reaching the minimum tip, then they may be cleared by preaugering, predrilling, down-hole hammers or by conventional excavation methods for near surface obstructions. Alternative methods to clear obstructions may be used as approved by the Resident. Removal of obstructions, cobbles and boulders shall be made incidental to related Contract Items.
8. The Contractor shall perform and submit 2 wave equation analyses, 1 at each abutment, for review and acceptance by the Resident. The maximum allowable driving stress is 0.90 times F_y . The submittal analyses shall include the proposed stopping criteria based on the wave equation analysis and the proposed driving system. Approval of the proposed driving equipment by the Department will be based on Department-conducted wave equation analyses and the criteria in Section 501 of the Standard Specifications.
9. The Contractor shall perform 4 dynamic load tests, 2 at each abutment, with 24-hour (minimum) restrike tests to confirm the nominal resistance of the piles. The dynamic pile load test at each abutment will be completed on the first production pile driven and the second test is at the direction of the Resident. The required nominal resistance for the pile is the factored axial pile load divided by a resistance factor of 0.65 per LRFD Specifications.



Date:7/9/2021

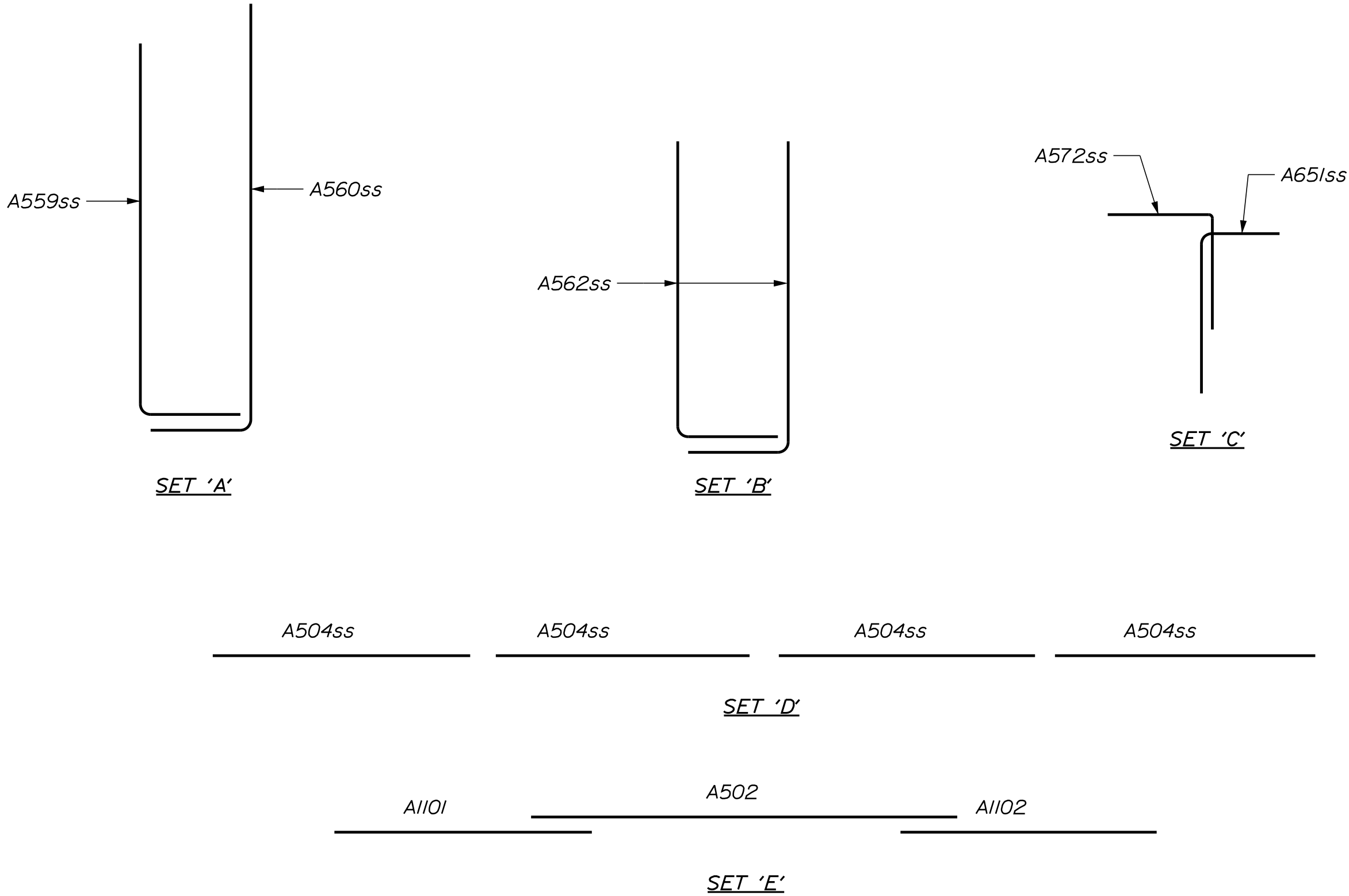
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ABUTMENT NO. 1 REINFORCEMENT ELEVATION

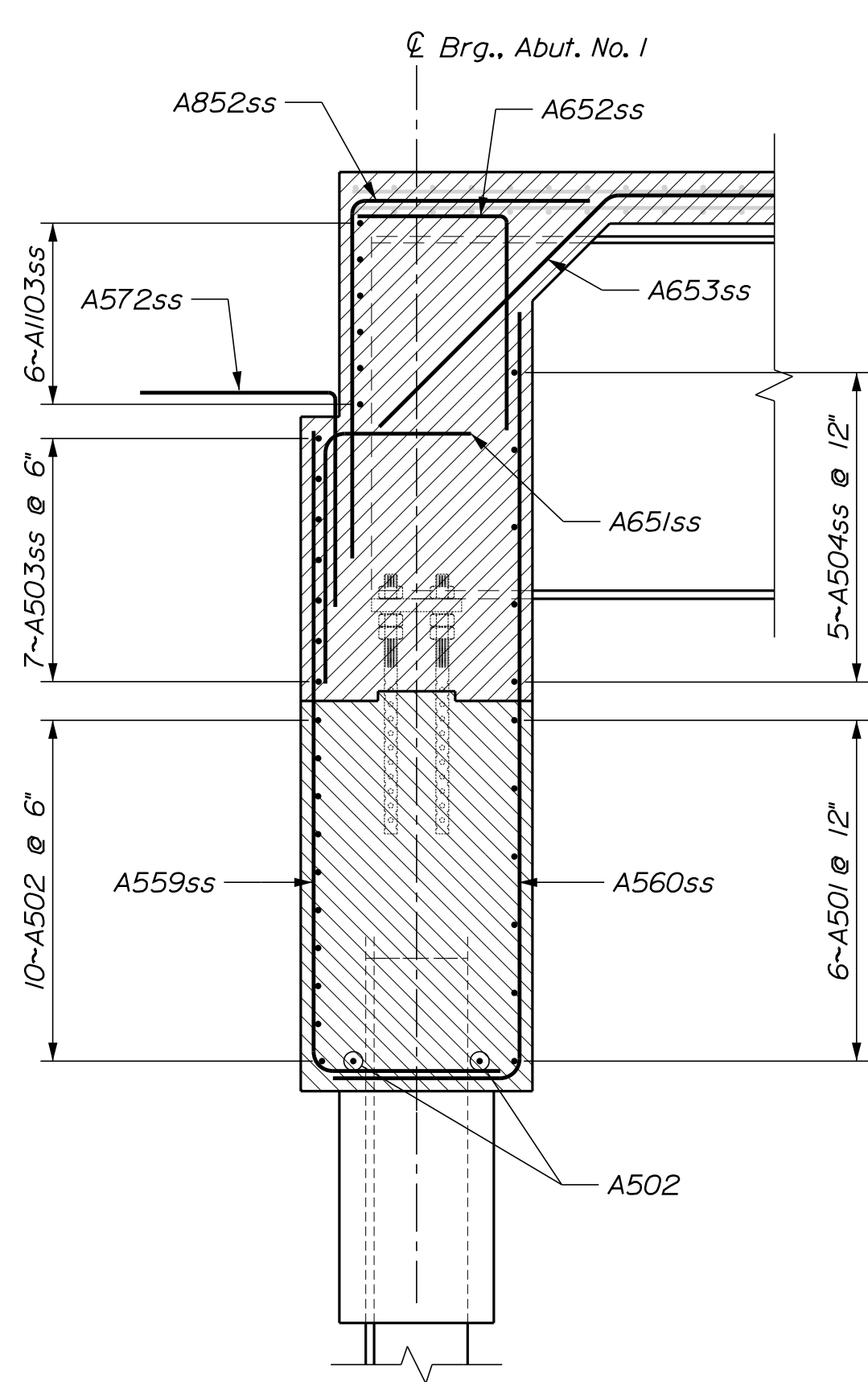
LEGEND:
N.F. = Near Face
F.F. = Far Face
E.F. = Each Face
E.W. = Each Wingwall
Eq. Sp. = Equal Space



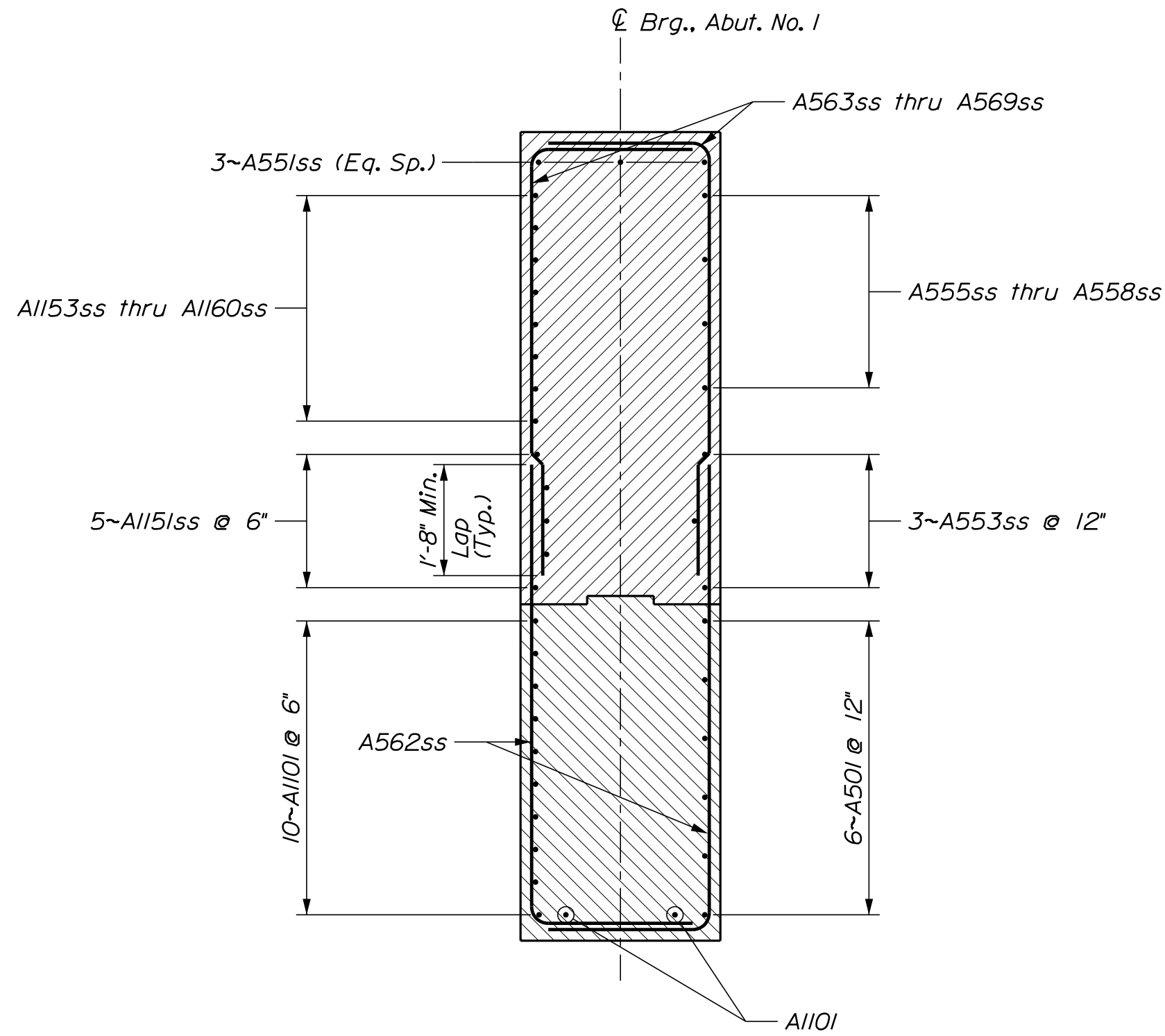
PROJ. MANAGER	MICHAEL WIGHT	BY	DATE	SIGNATURE
DESIGN-DETAILED	LEAWYMB	TLSP	6/2021	
CHECKED-REVIEWED	C. SICHAK	C. SICHAK	6/2021	
DESIGNS-DETAILED				P.E. NUMBER
DESIGNS-DETAILED				
DESIGNS-DETAILED				
REVISIONS 1				DATE
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

ALDER STREAM BRIDGE ALDER STREAM JIM POND TWP FRANKLIN COUNTY	ABUTMENT NO. 1 REINFORCING
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SHEET NUMBER

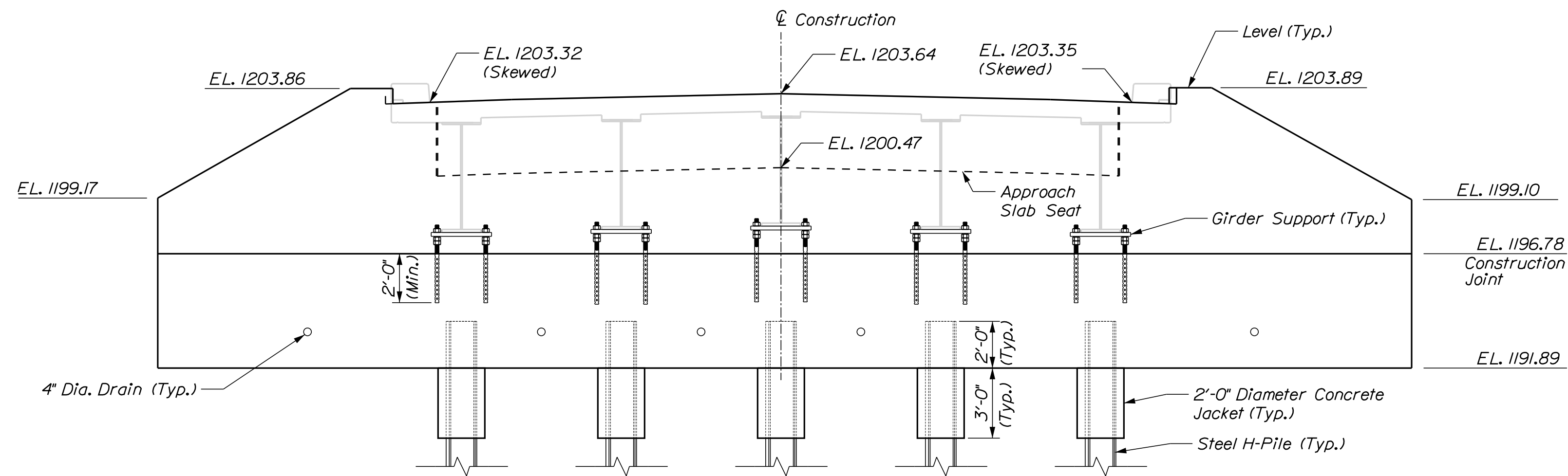


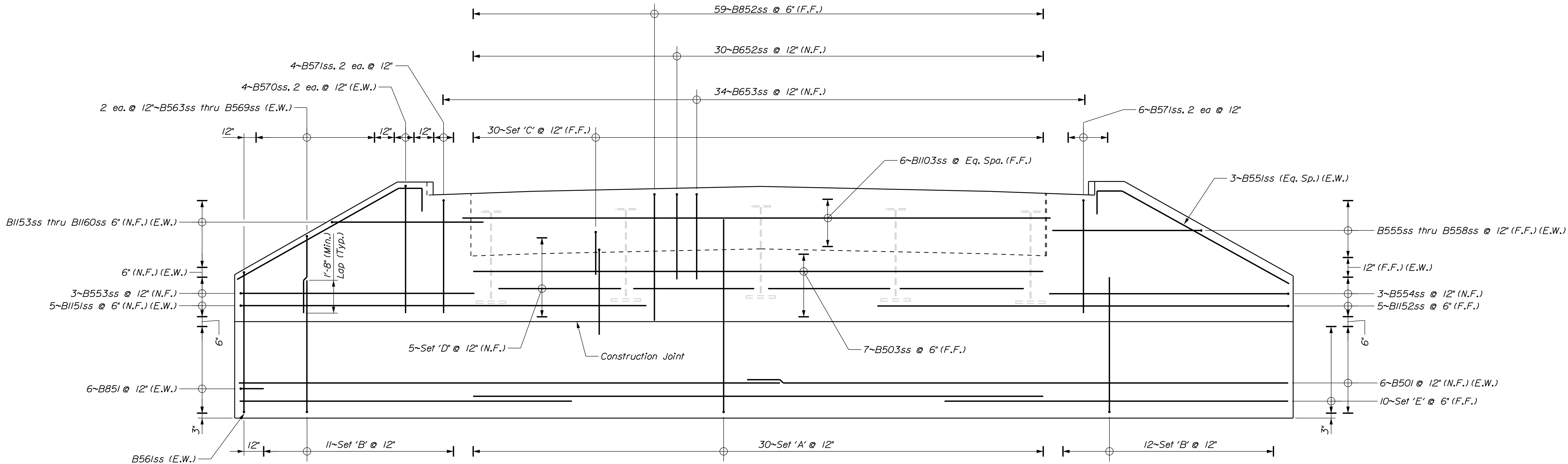
ABUTMENT NO. 1 SECTION A-A



ABUTMENT NO. 1 WINGWALL SECTION B-B

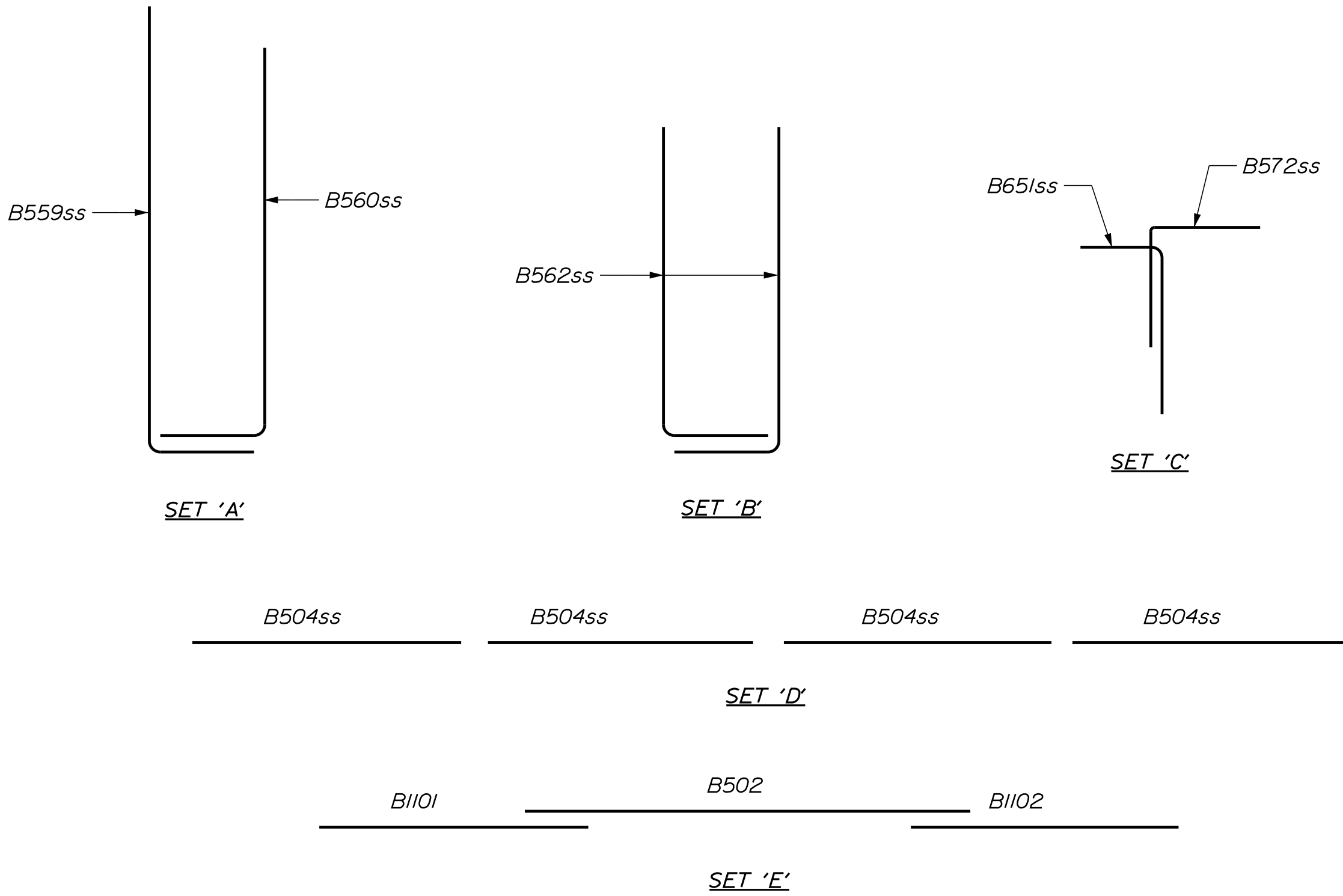
SHEET NUMBER										STATE OF MAINE															
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										23104.00															
										BRIDGE NO. 3265															
										WIN 23104.00															
BRIDGE PLANS																									
PROJ. MANAGER										MICHAEL WIGHT		BY		DATE											
DESIGN-DETAILED										EFMYMB		TLRP		6/2021											
CHECKED-REVIEWED										C. SICHAK		C. SICHAK		6/2021											
DESIGN2-DETAILED2														SIGNATURE											
DESIGN3-DETAILED3														P.E. NUMBER											
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REVISIONS 3														DATE											
REVISIONS 4																									
FIELD CHANGES																									



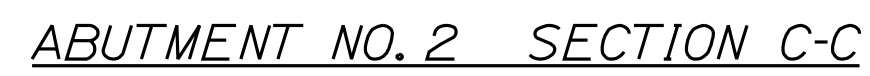


ABUTMENT NO. 2 REINFORCEMENT ELEVATION

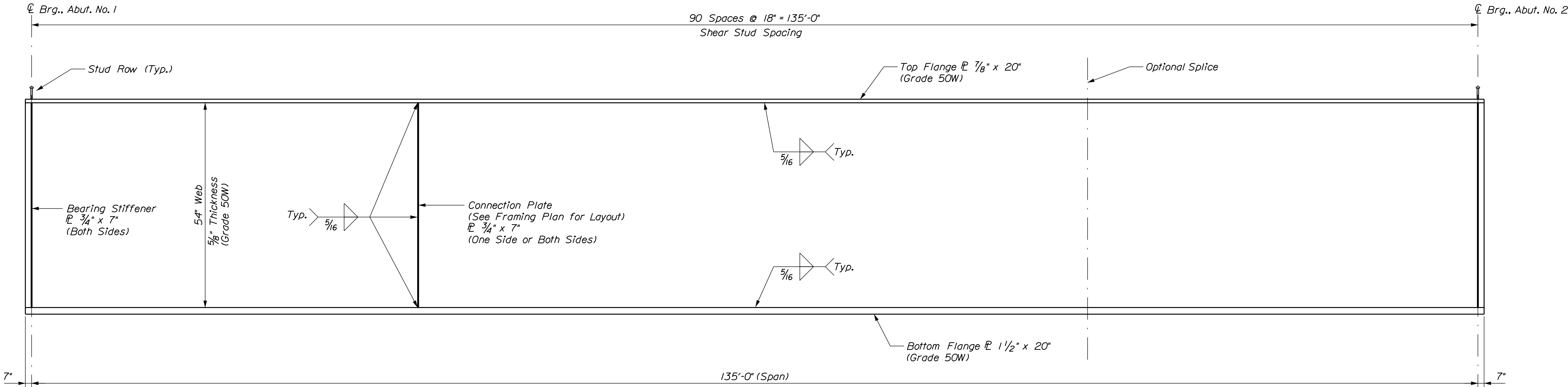
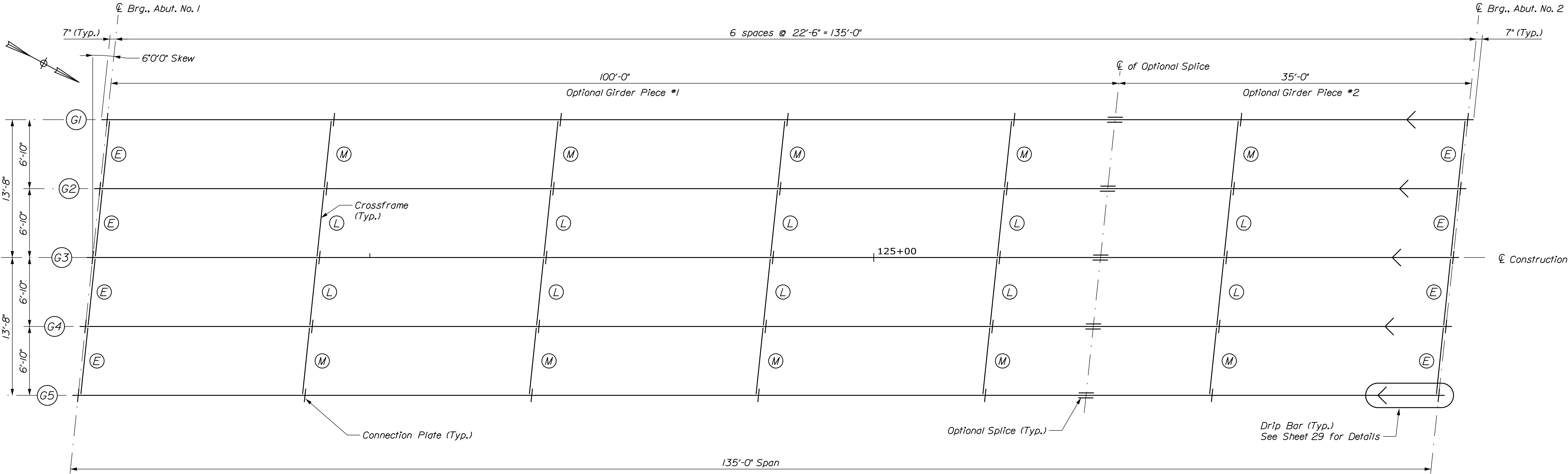
LEGEND:
N.F. = Near Face
F.F. = Far Face
E.F. = Each Face
E.W. = Each Wingwall
Eq. Sp. = Equal Space



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		23104.00		BRIDGE NO. 3265		WIN		23104.00		BRIDGE PLANS	
ALDER STREAM BRIDGE		ALDER STREAM		FRANKLIN COUNTY		JIM POND TWP		ABUTMENT NO. 2		REINFORCING		SHEET NUMBER	
DESIGNED-Detailed		CHECKED-Reviewed		DESIGNED-Detailed		CHECKED-Reviewed		DESIGNED-Detailed		CHECKED-Reviewed		SHEET NUMBER	
DATE		BY		DATE		BY		DATE		BY		SHEET NUMBER	
6/2021		T.L.R.P.		6/2021		C. SICHAK		6/2021		C. SICHAK		SHEET NUMBER	
SIGNATURE		P.E. NUMBER		DATE		SIGNATURE		P.E. NUMBER		DATE		SHEET NUMBER	
												25	
												OF 41	



Filename: ... \00\Bridges\WSTA\027_Framing.dgn Division: BRIDGE Username: LindoT Date: 7/9/2021



182 Studs per Girder (910 Studs Total)

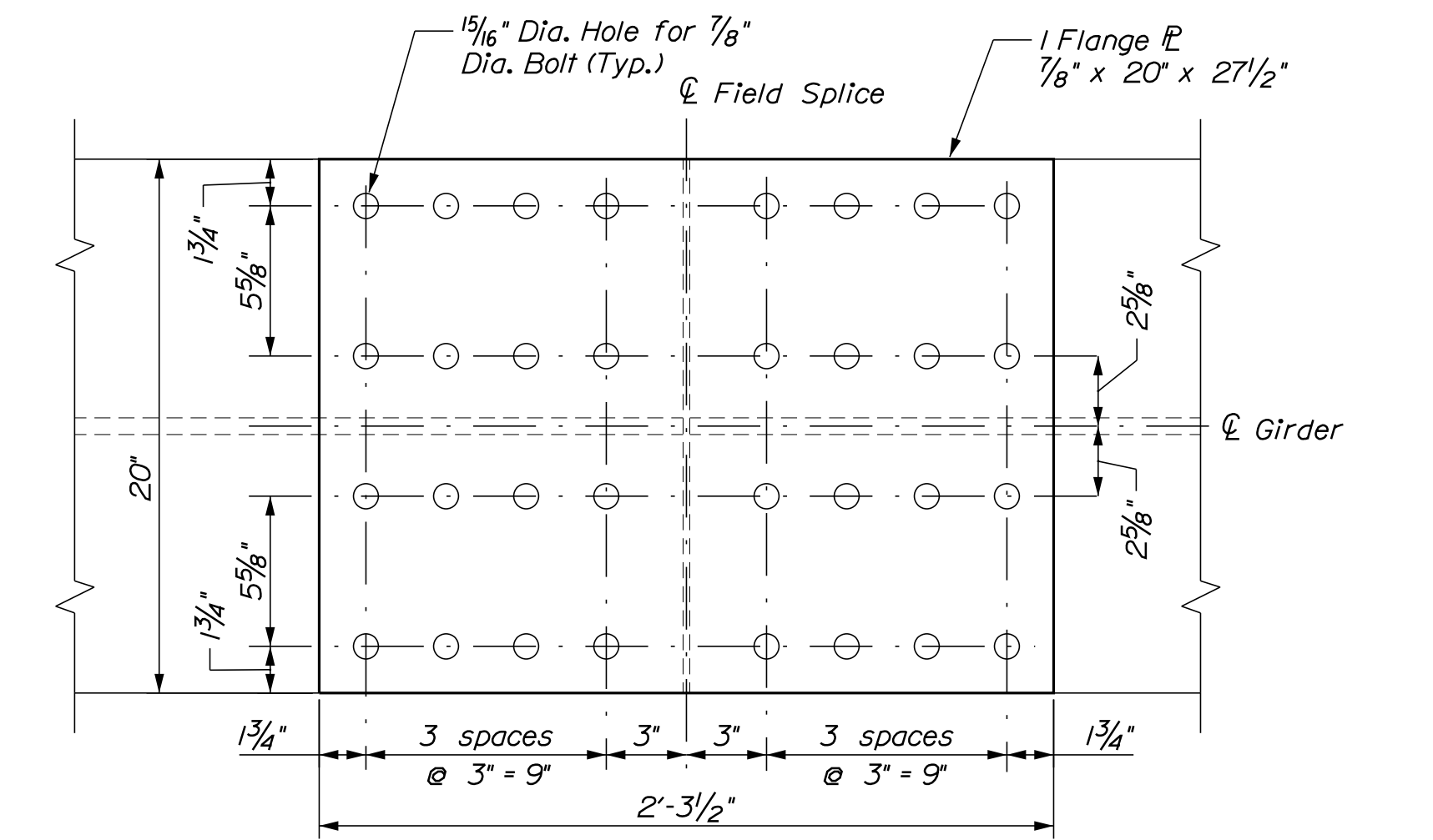
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	WIN		23104.00			
ALDER STREAM BRIDGE ALDER STREAM JIM POND TWP FRANKLIN COUNTY		SIGNATURE		DATE		
		P.E. NUMBER				
FRAMING PLAN		DESIGNED-Detailed		DATE		
		CHECKED-Reviewed		BY		
		DESIGNED-Detailed		MICHAEL WIGHT		
		CHECKED-Reviewed		LEE WYMB		
SHEET NUMBER		27		OF 41		

Date:7/9/2021

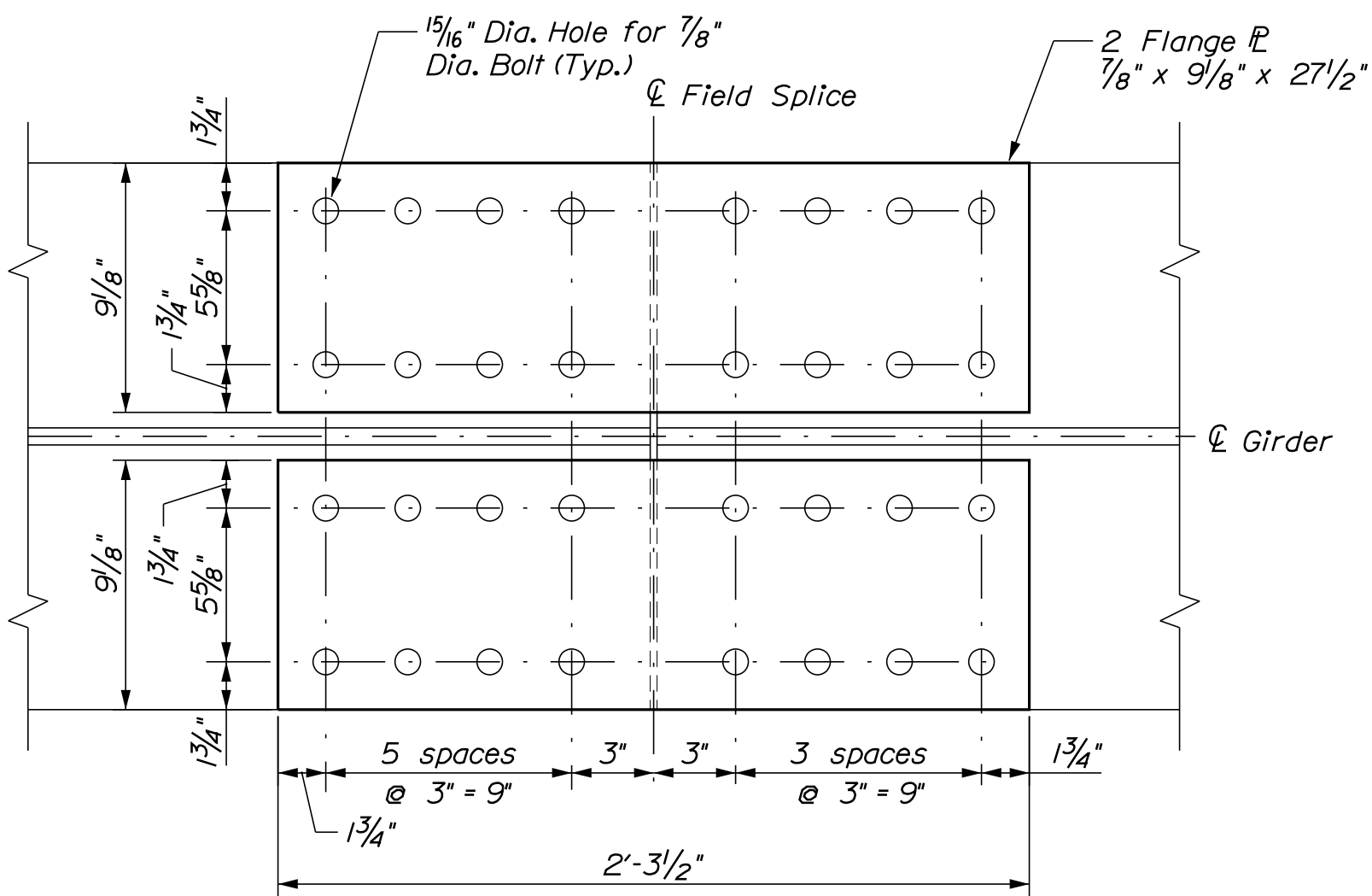
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Division: BRIDGE

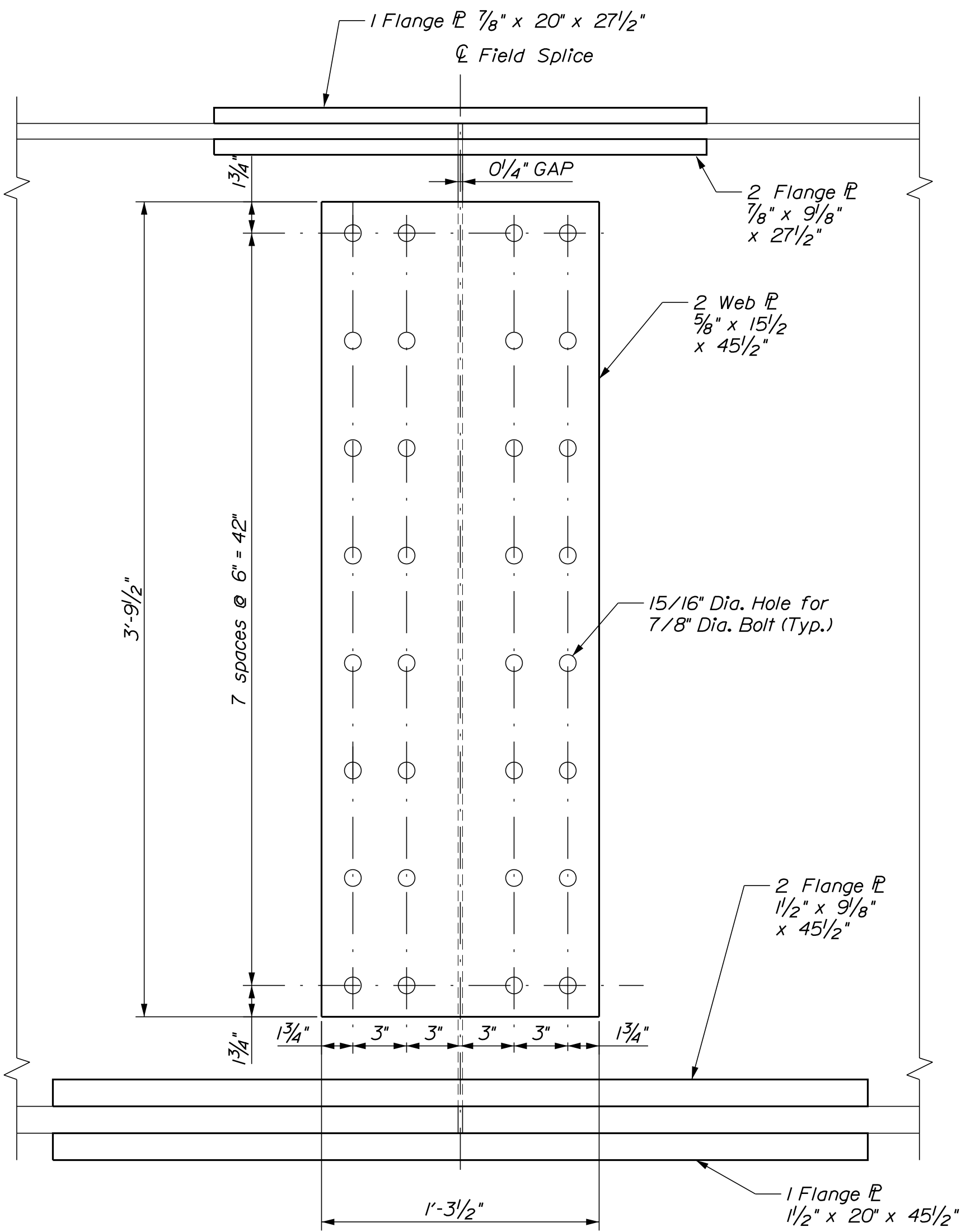
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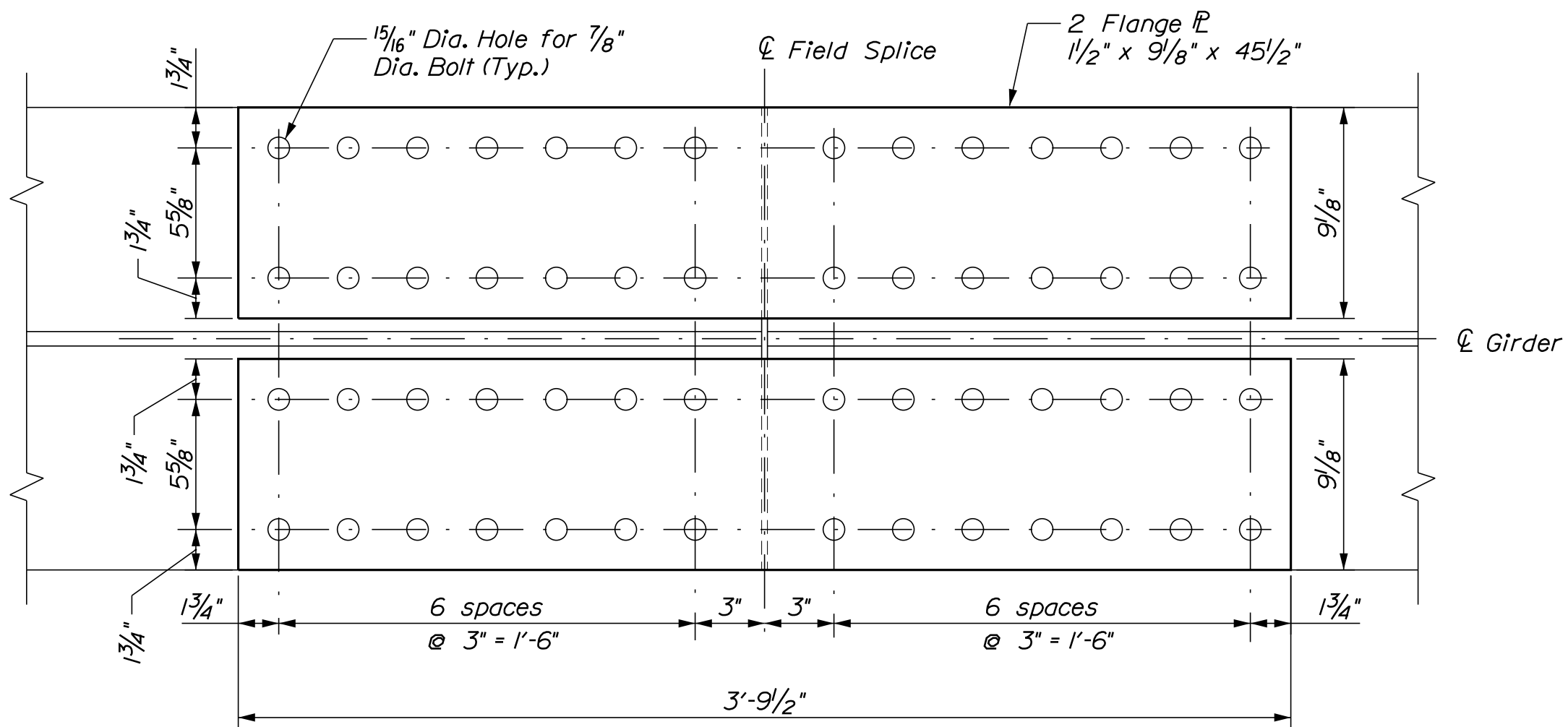
TOP SPLICE PLATE OUTSIDE



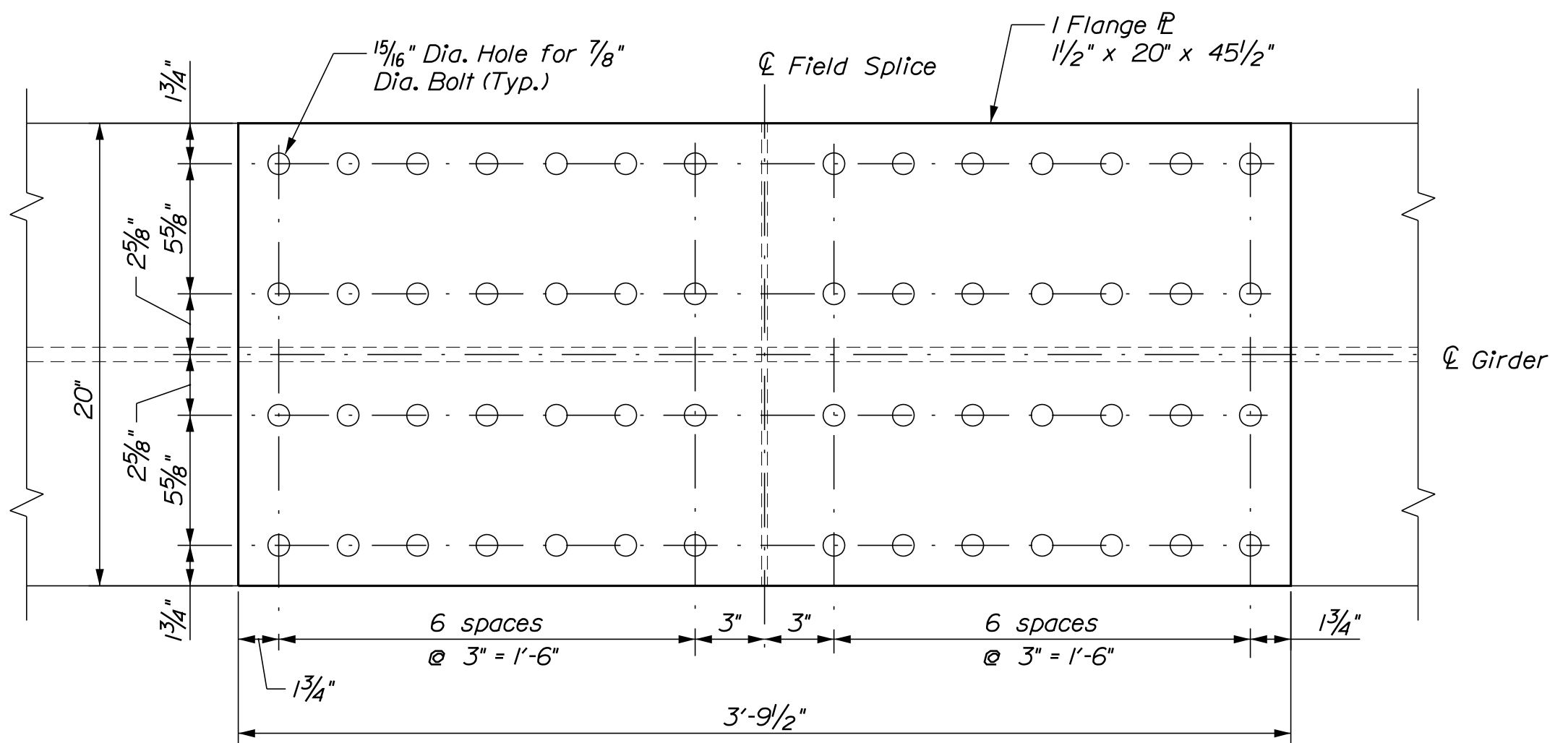
TOP SPLICE PLATE INSIDE



SPLICE ELEVATION VIEW



BOTTOM SPLICE PLATE INSIDE

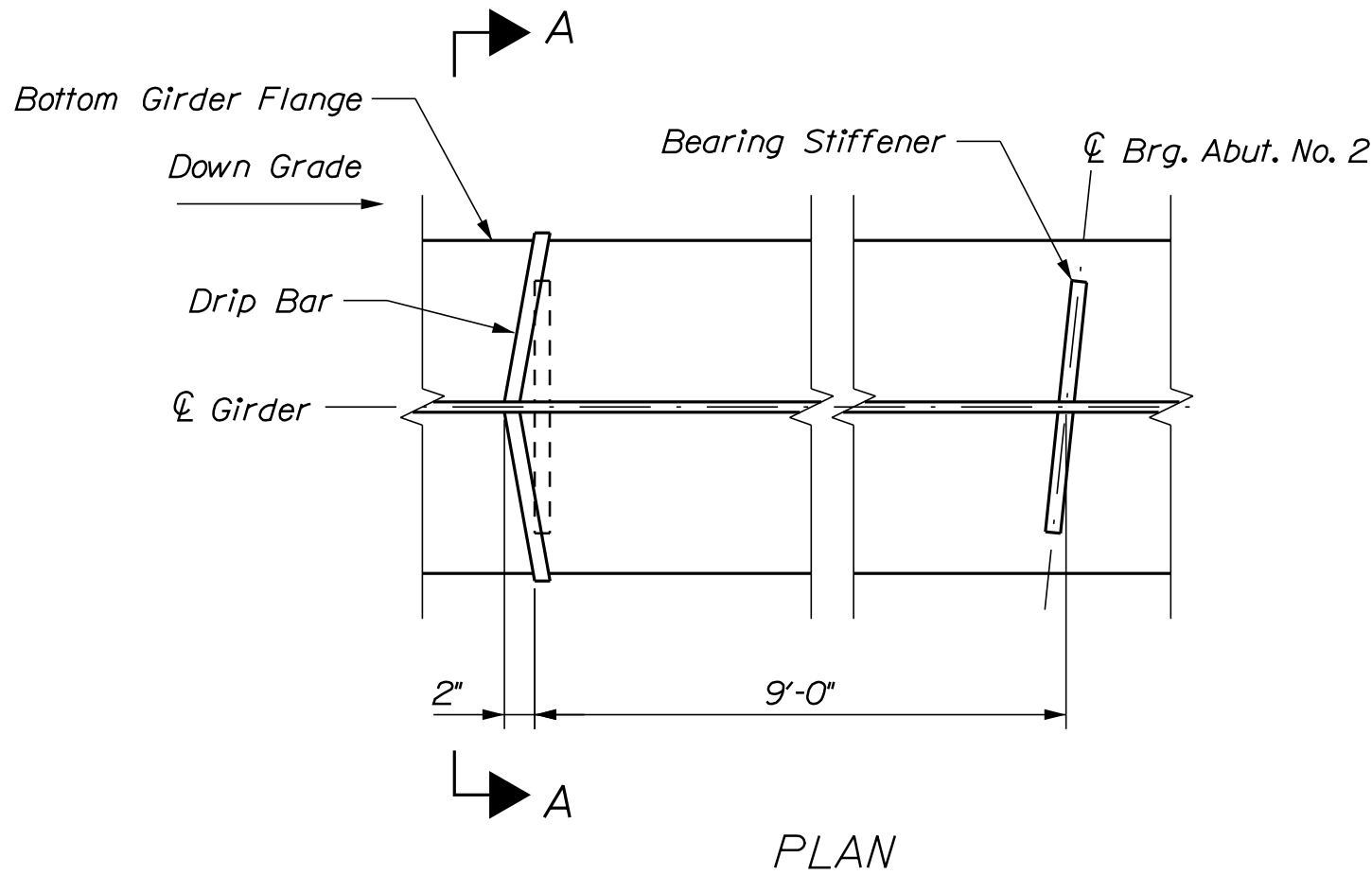


BOTTOM SPLICE PLATE OUTSIDE

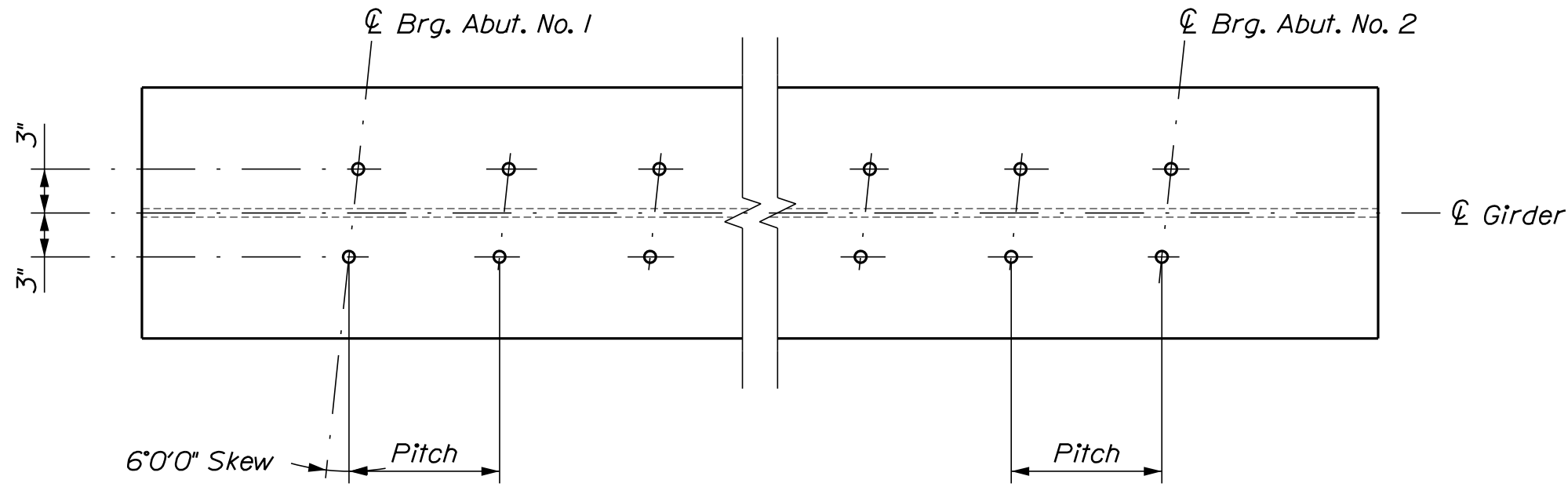
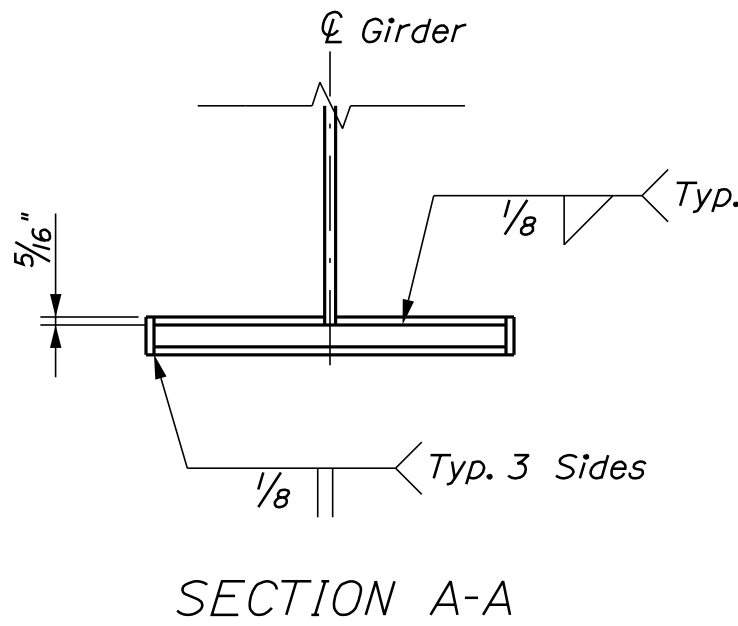
STRUCTURAL STEEL NOTES

1. Camber ordinates, as shown, are computed to compensate for all dead load deflections and for the curvature of the finished grade profile.
2. No transverse butt weld splices will be allowed in the flange plates or web plates within 10 feet or 10 percent of the span length (whichever is greater) from the points of maximum negative moment or maximum positive moment. Butt weld splices in flanges shall be not less than one foot from transverse butt welds in the web plates and no transverse web or flange butt welds shall be located within one foot of other transverse welds (e.g. connection plates to web welds) on either flange or web. No transverse butt weld splices will be allowed in areas of stress reversal.
3. Sections of flange plates or web plates between transverse shop splices or between a transverse shop splice and a field splice shall be at least 10 feet in length unless otherwise shown on the Plans.
4. Bearing stiffeners shall be plumb after erection and dead loading of the structure. Intermediate web stiffeners may be either plumb or normal to the top flange.
5. Crossframe or diaphragm connection plates may be either plumb or normal to the top flange.
6. Girder ends and diaphragms or cross frames within 10 feet of the centerline of bearing at the abutments shall be coated with a Zinc Rich Coating System, in accordance with Standard Specifications Section 506, Shop Applied Protective Coating - Steel. The color shall be Federal Standard 595B, Color No. 30045 (Brown). NEPCOAT Qualified Products List C may be used.
7. After placement of the superstructure concrete, thoroughly clean the abutments of all stains with a method approved by the Resident. Payment will be considered incidental to related Contract items.
8. Provide a "drip bar" on the high side of each abutment on all girders in accordance with the Standard Details, Section 504.
9. Structural steel was designed with a vertical construction load of 50 lb/sf and a lateral wind velocity of 115 mph.
10. Bolted field splice connections shall be made using 7/8" diameter ASTM F3125, Grade A325 high strength bolts. Bolt hole size shall be 15/16" diameter. Field splice bolt threads shall be excluded from the shear plane.
11. Bolted diaphragms or cross frame connections shall be made using 7/8" diameter, ASTM F3125, Grade A325 Type 3 H.S. bolts. Hole size shall be 15/16" diameter. The minimum edge distance shall be 1 1/2" 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.
12. Ends of girder webs shall be vertical under full dead load.
13. Girder bearing assemblies will be paid for under the structural steel items.

SHEET NUMBER <div>28</div> OF 41		ALDER STREAM BRIDGE ALDER STREAM JIM POND TWP FRANKLIN COUNTY				PROJ. MANAGER	MICHAEL WRIGHT	BY	DATE
		DESIGN-DETAILED				EF.MY.NB	T.L.VP	6/2021	
		CHECKED-REVIEWED				C. SICHAH	C. SICHAH	6/2021	
		DESIGN2-DETAILED2							
		DESIGN3-DETAILED3							
		REVISIONS 1							
		REVISIONS 2							
		REVISIONS 3							
		REVISIONS 4							
		FIELD CHANGES							
		STRUCTURAL STEEL DETAILS (1 OF 2)				P.E. NUMBER			
						DATE			
						BRIDGE NO. 3265			
						WIN			
						23104.00			
						BRIDGE PLANS			



DRIP BAR DETAIL
(Abutment No. 2 Typical)



Note:
1. See Girder Elevation on Sheet No. 28 for shear connector pitch.



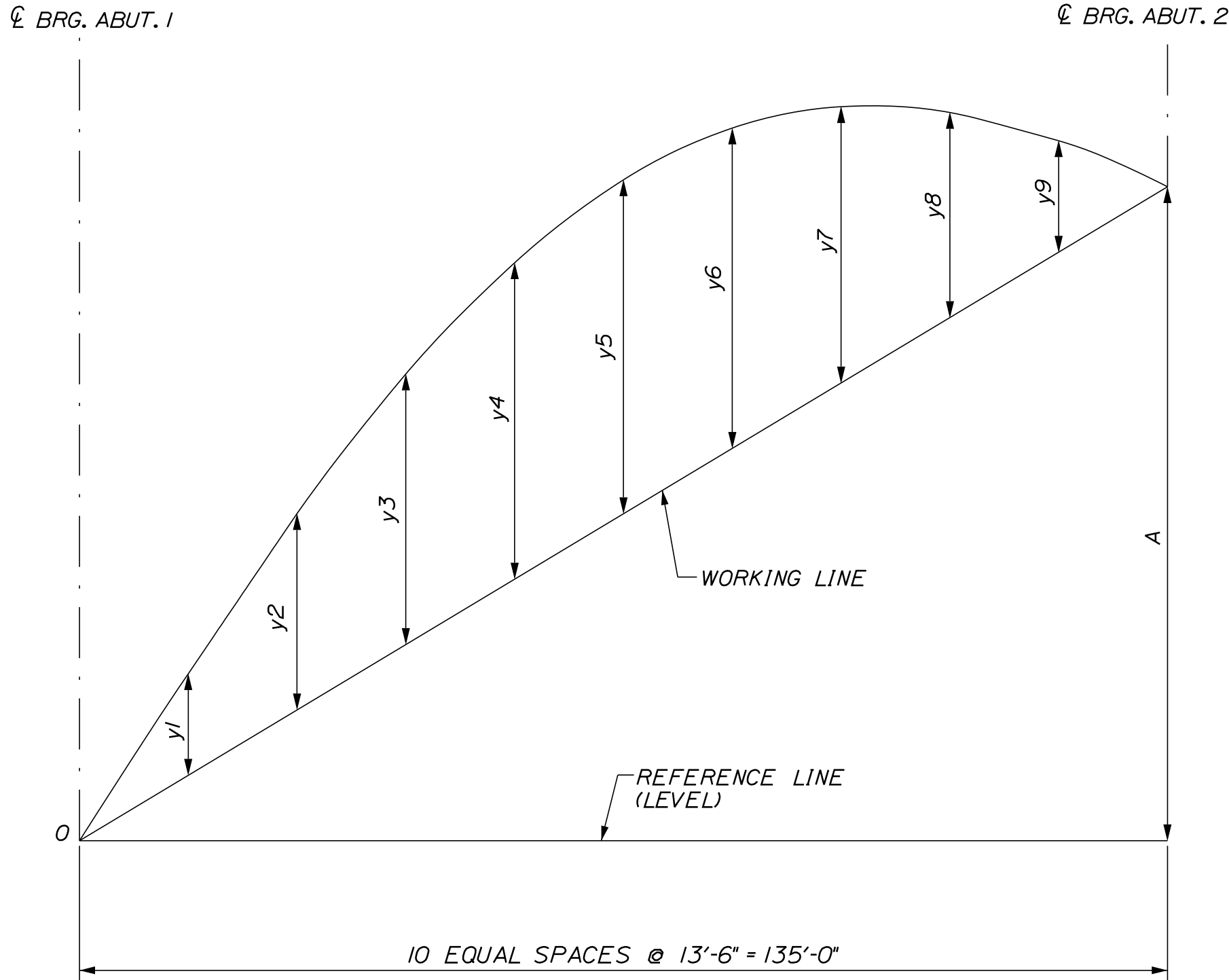
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CHECKED-REVIEWED	C. SICHAK	C. SICHAK	6/2021
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE
23104.00	P.E. NUMBER
WIN	DATE
BRIDGE NO. 3265	23104.00
BRIDGE PLANS	

Bottom of Slab Elevations (w/ Deflections)											
	CL BRG. ABUT. 1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	CL BRG. ABUT. 2
G1	1203.287	1204.134	1204.867	1205.431	1205.753	1205.844	1205.638	1205.168	1204.482	1203.606	1202.617
G2	1203.423	1203.433	1203.433	1203.419	1203.384	1203.330	1203.251	1203.151	1203.032	1202.897	1202.753
G3	1203.560	1203.570	1203.571	1203.558	1203.523	1203.469	1203.390	1203.289	1203.169	1203.034	1202.890
G4	1203.423	1203.435	1203.436	1203.424	1203.389	1203.335	1203.256	1203.155	1203.034	1202.898	1202.753
G5	1203.287	1203.300	1203.303	1203.291	1203.257	1203.203	1203.124	1203.022	1202.900	1202.763	1202.617

Table of Camber Ordinates Per Span ("COS") (in)											
	CL BRG. ABUT. 1	y1	y2	y3	y4	y5	y6	y7	y8	y9	CL BRG. ABUT. 2
G1	0.000	1.492	2.806	3.838	4.474	4.731	4.501	3.838	2.823	1.497	0.000
G2	0.000	1.495	2.813	3.853	4.486	4.743	4.510	3.845	2.827	1.494	0.000
G3	0.000	1.507	2.830	3.881	4.512	4.767	4.535	3.865	2.834	1.500	0.000
G4	0.000	1.521	2.853	3.914	4.550	4.804	4.573	3.896	2.851	1.511	0.000
G5	0.000	1.546	2.888	3.953	4.606	4.856	4.623	3.944	2.883	1.534	0.000

Table of Camber Dimensions (ft)	
Girder	A
G1	-0.670
G2	-0.670
G3	-0.670
G4	-0.670
G5	-0.670

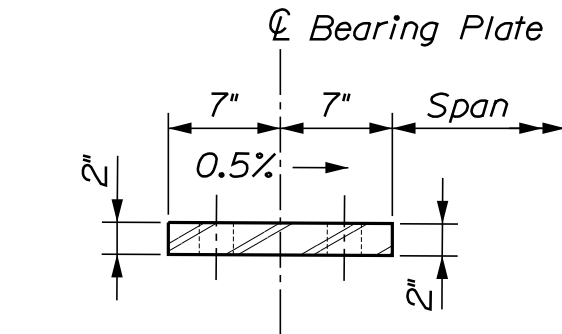


CAMBER DIAGRAM
(Interior Shown, Exterior Similar, See tables above)

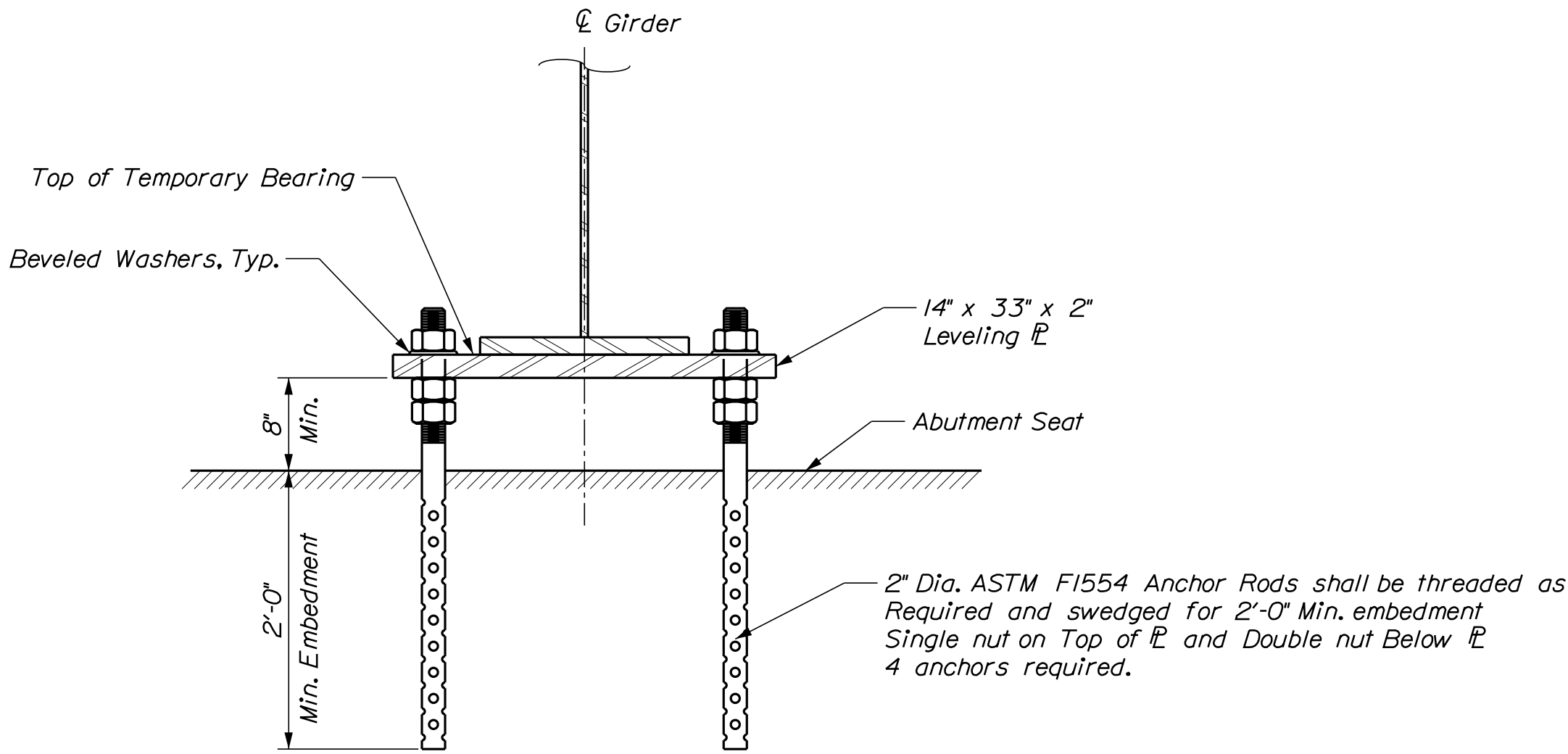
CAMBER & DEFLECTION NOTES

1. Camber ordinates, as shown, are computed to compensate for all dead load deflections and for the curvature of the finished grade profile.

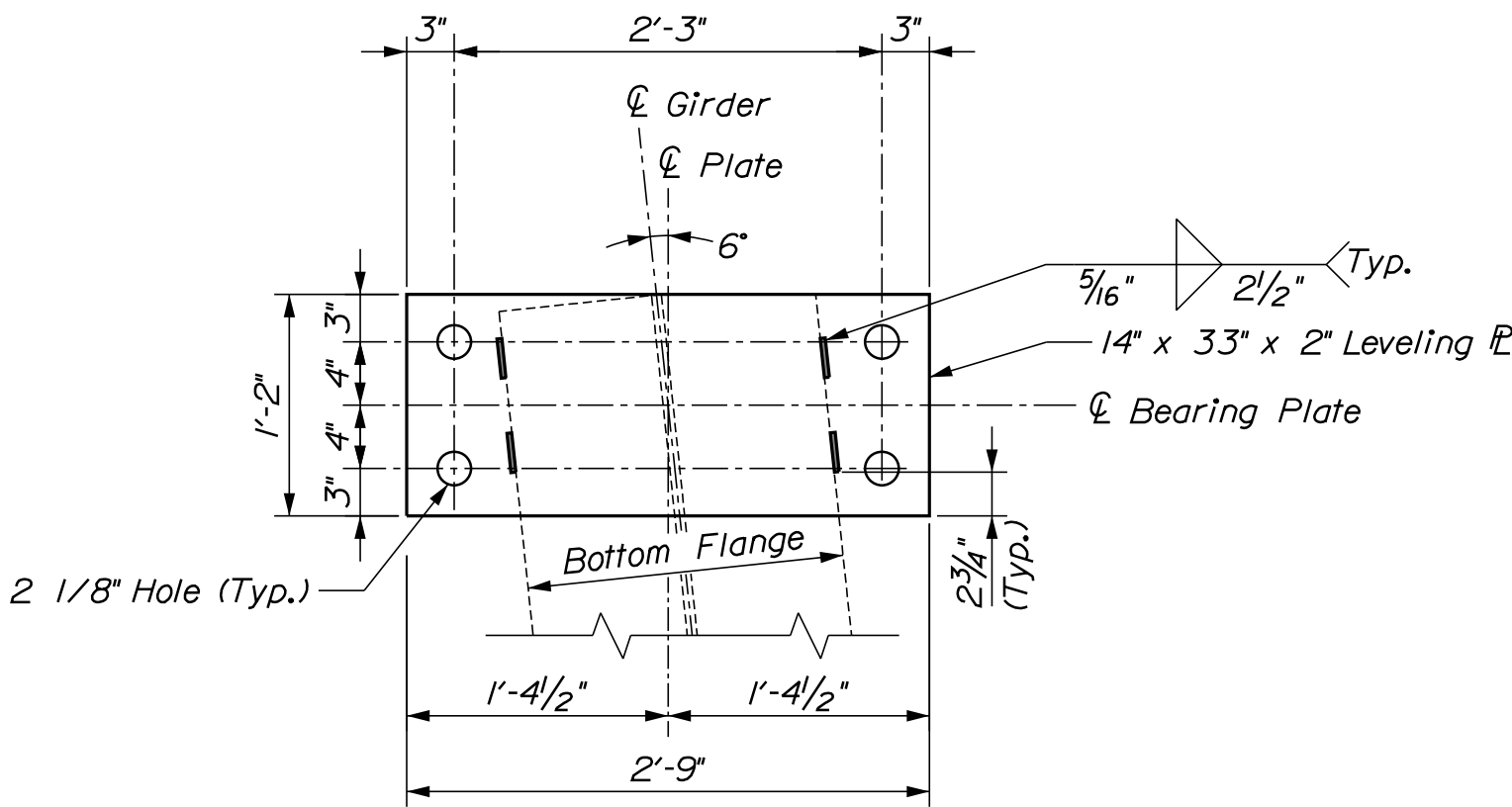
Top of Temporary Bearings (ft.)		
Girder	Abutment No. 1	Abutment No. 2
G1	1198.38	1197.71
G2	1198.52	1197.85
G3	1198.65	1197.98
G4	1198.52	1197.85
G5	1198.38	1197.71



BEARING PLATE SECTION



BEARING ASSEMBLY ELEVATION



BEARING PLATE PLAN

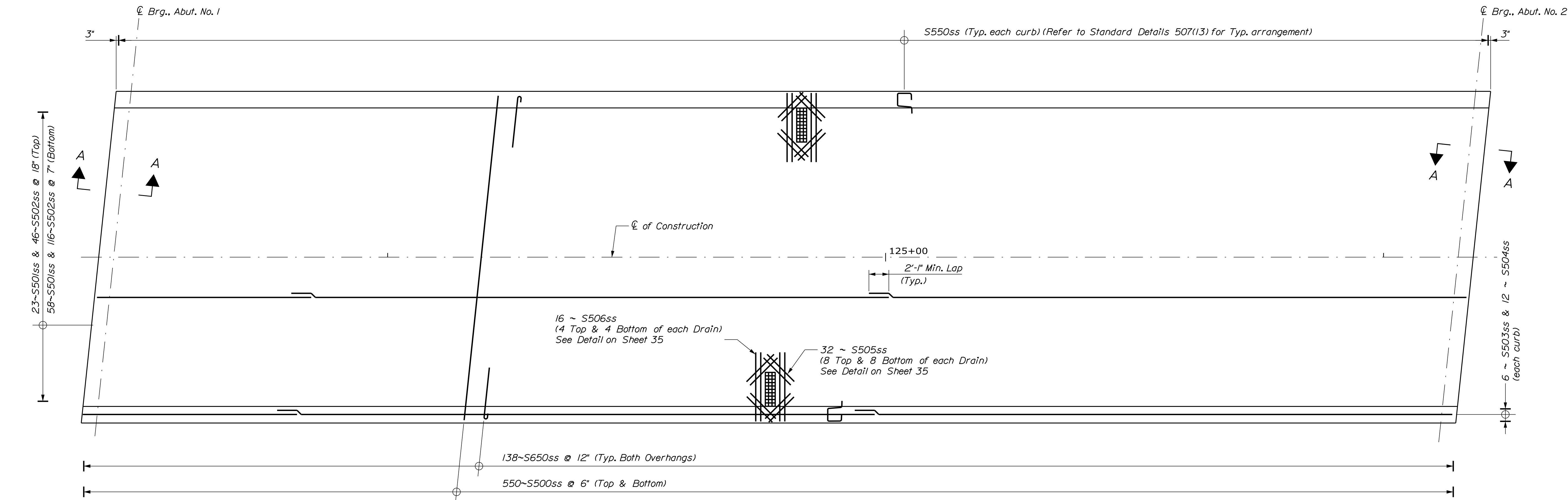
BEARING ASSEMBLY DETAILS

Date:7/9/2021

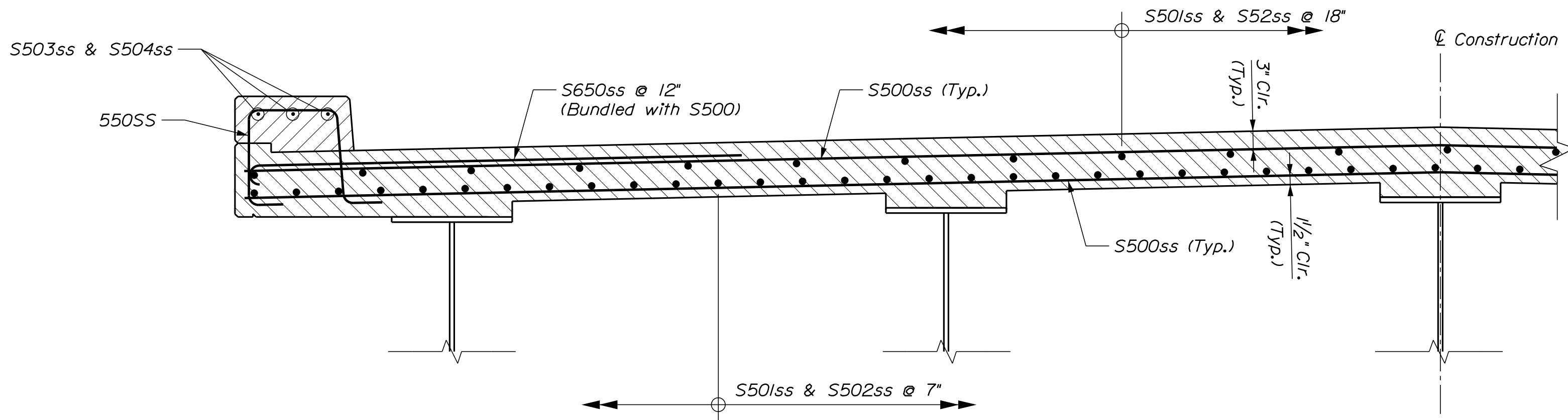
Username: LindoT

Division: BRIDGE

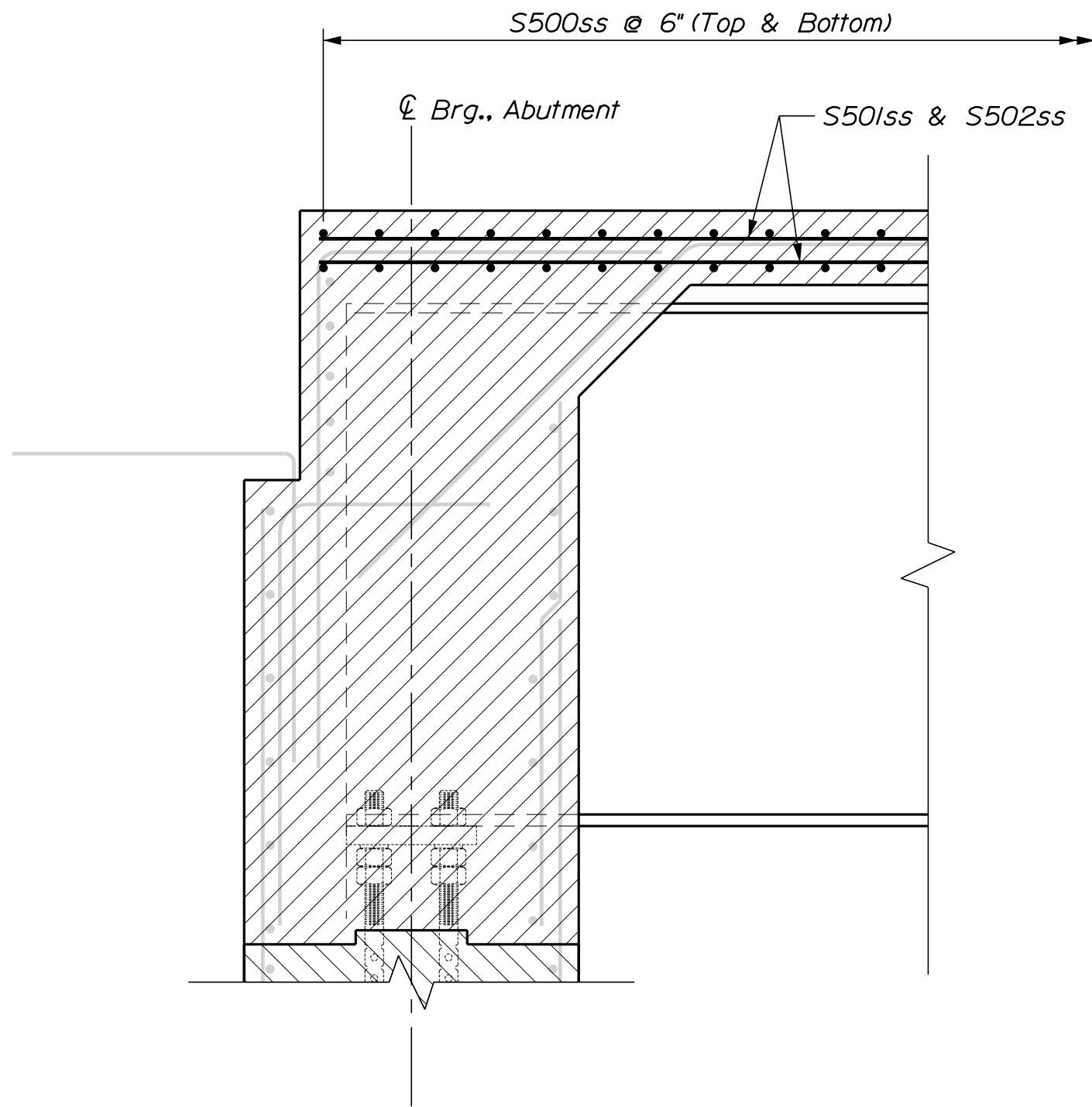
Filename: ... \033_Superstructure Rebar.dgn



SUPERSTRUCTURE REINFORCING PLAN

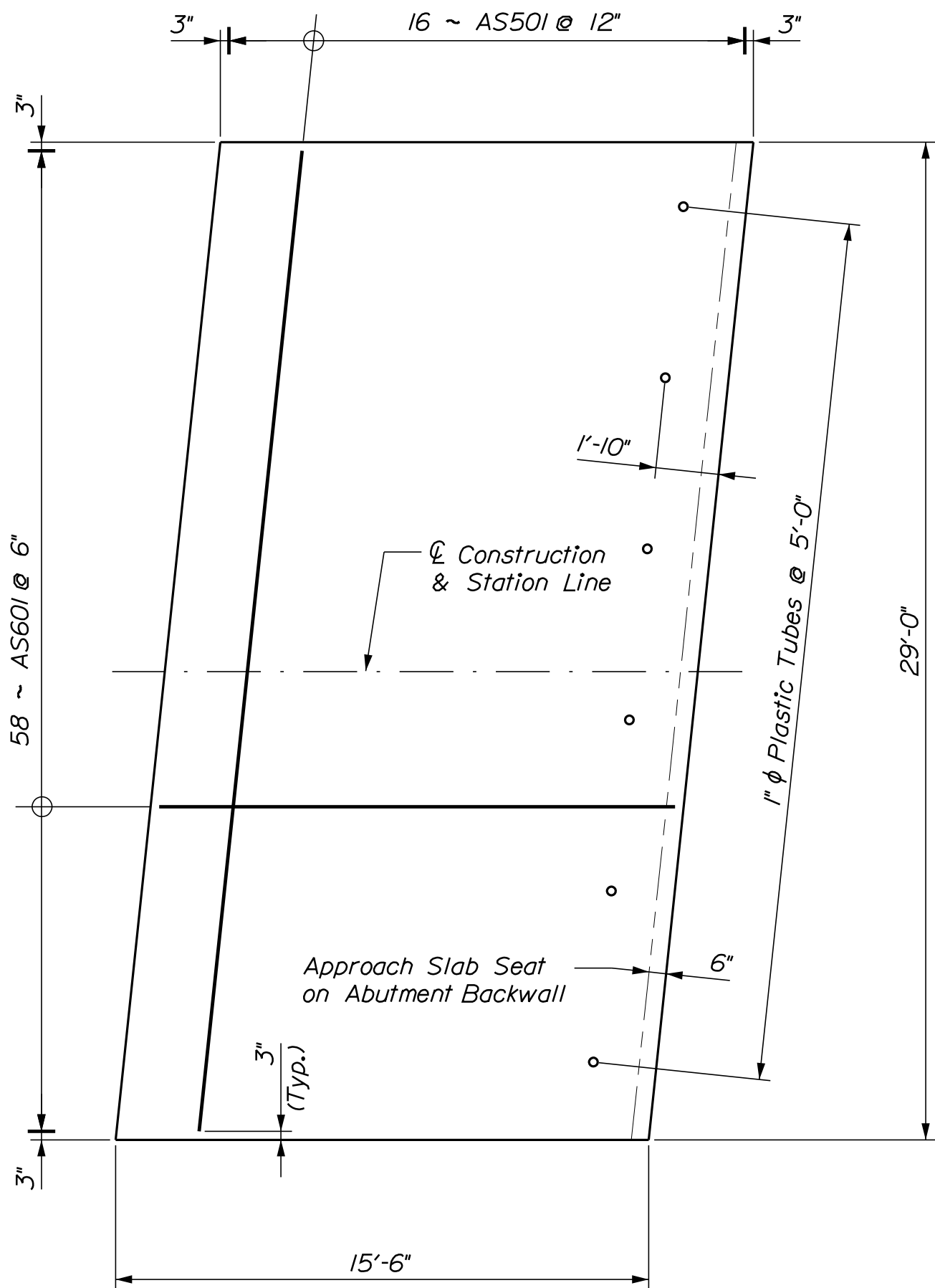


PARTIAL TRANSVERSE REINFORCING SECTION
Symmetrical about ϕ Construction

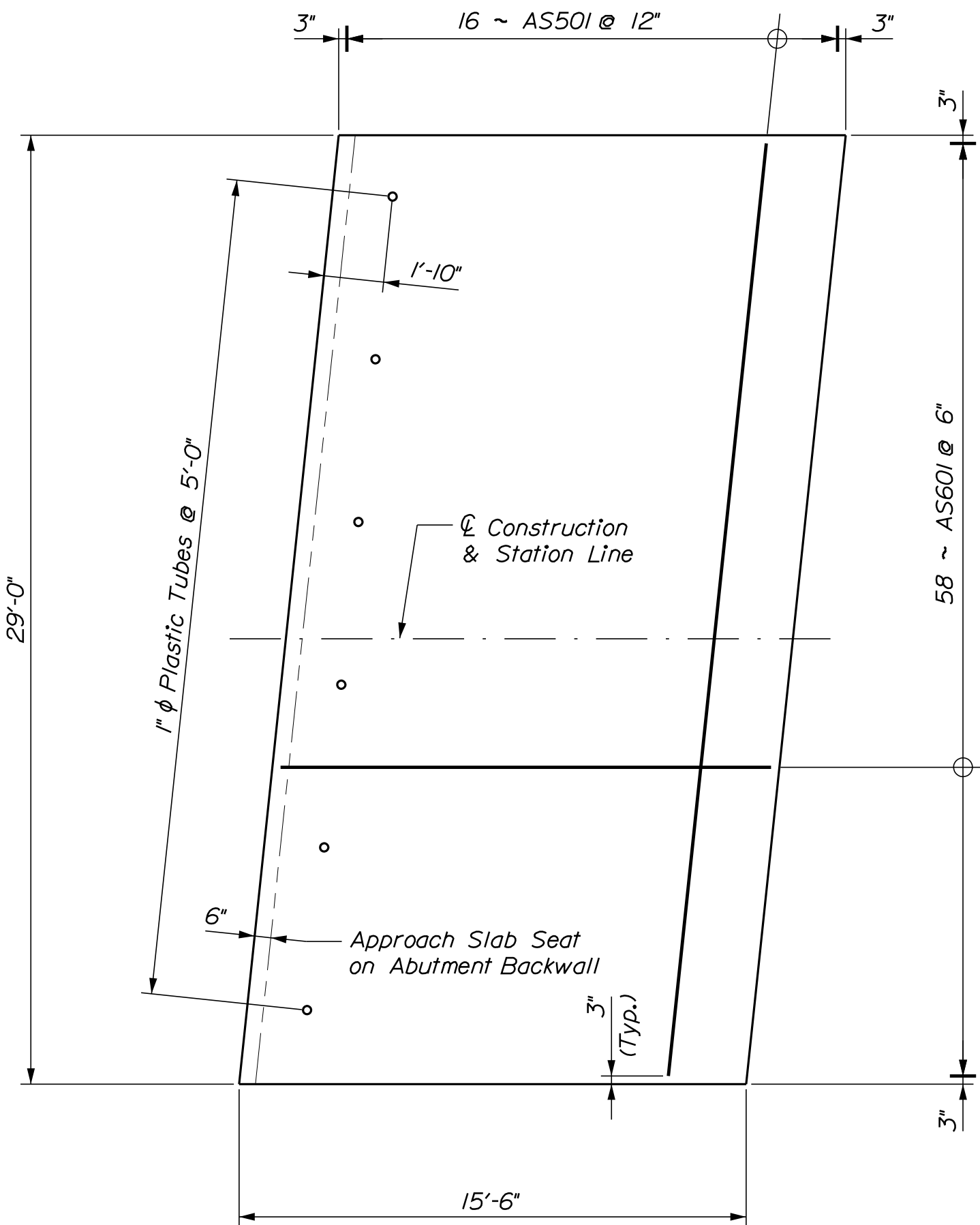


SECTION A-A
Note: Abutment reinforcing shown screened for clarity

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE		DATE
	P.E. NUMBER		DATE
	23104.00		23104.00
BRIDGE NO. 3265		BRIDGE PLANS	
ALDER STREAM BRIDGE		SHEET NUMBER	
ALDER STREAM		33	
JIM POND TWP		OF 41	
FRANKLIN COUNTY			
SUPERSTRUCTURE			
REINFORCING			

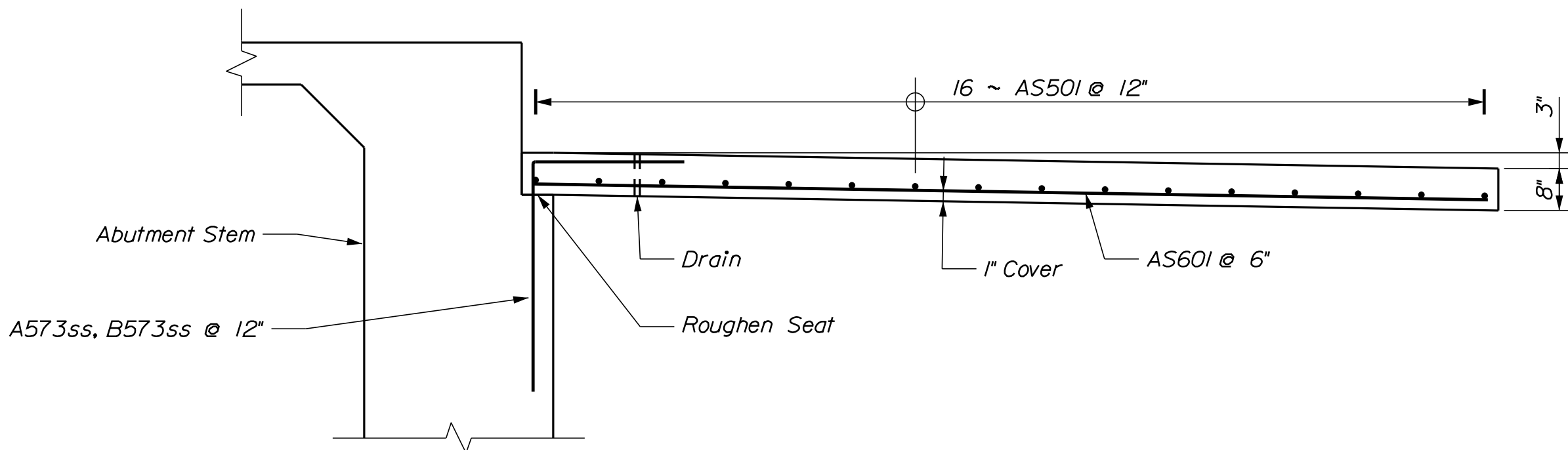


SOUTH APPROACH



NORTH APPROACH

APPROACH SLAB REINFORCEMENT PLAN

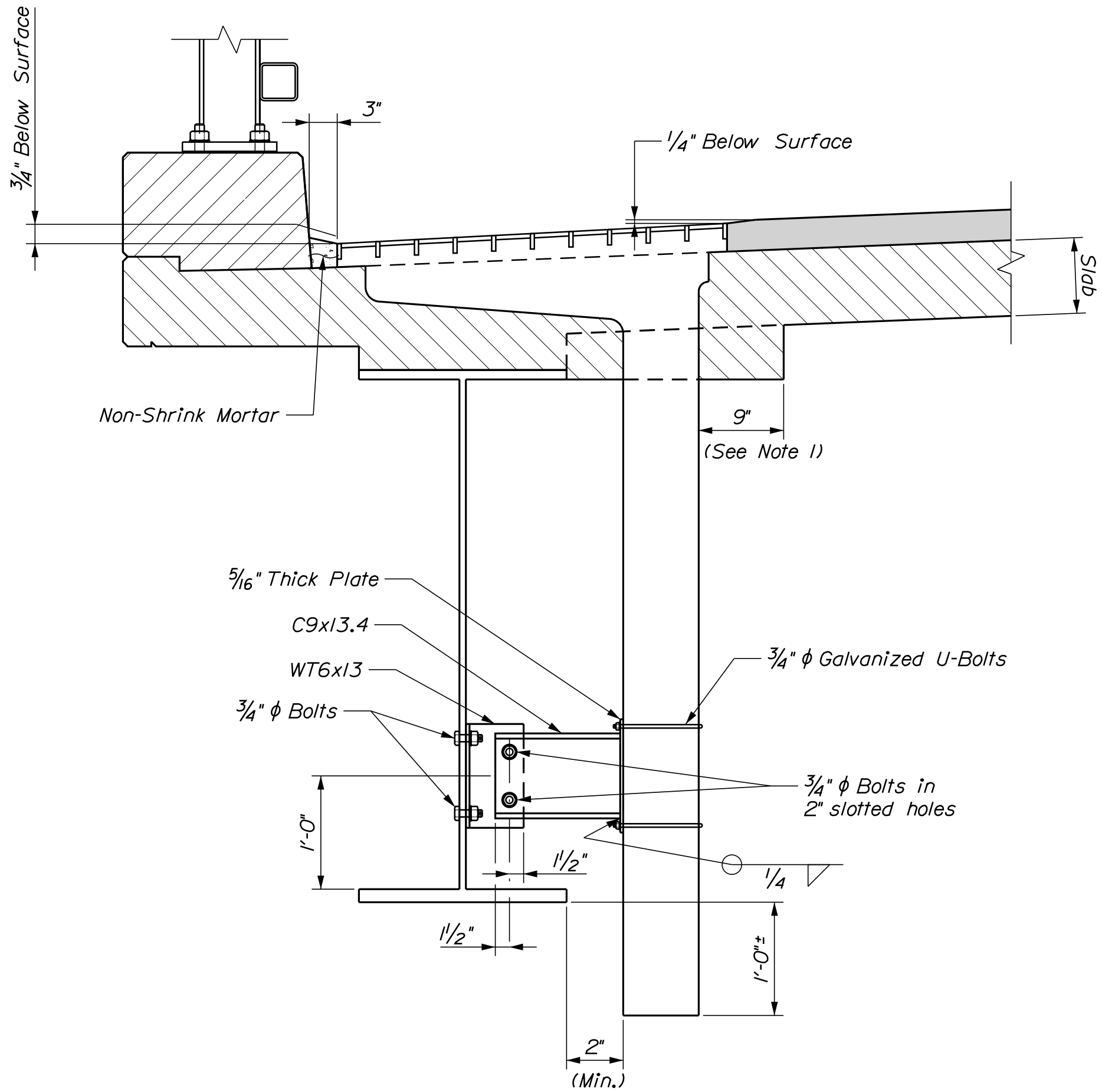


CONCRETE APPROACH SLAB SECTION



PROJ. MANAGER	MICHAEL WIGHT	BY	DATE
DESIGNED-DETAILED	LEE WYNG	TLARP	6/2021
CHECKED-REVIEWED	C. SCHAK	C. SCHAK	6/2021
DESIGNED-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

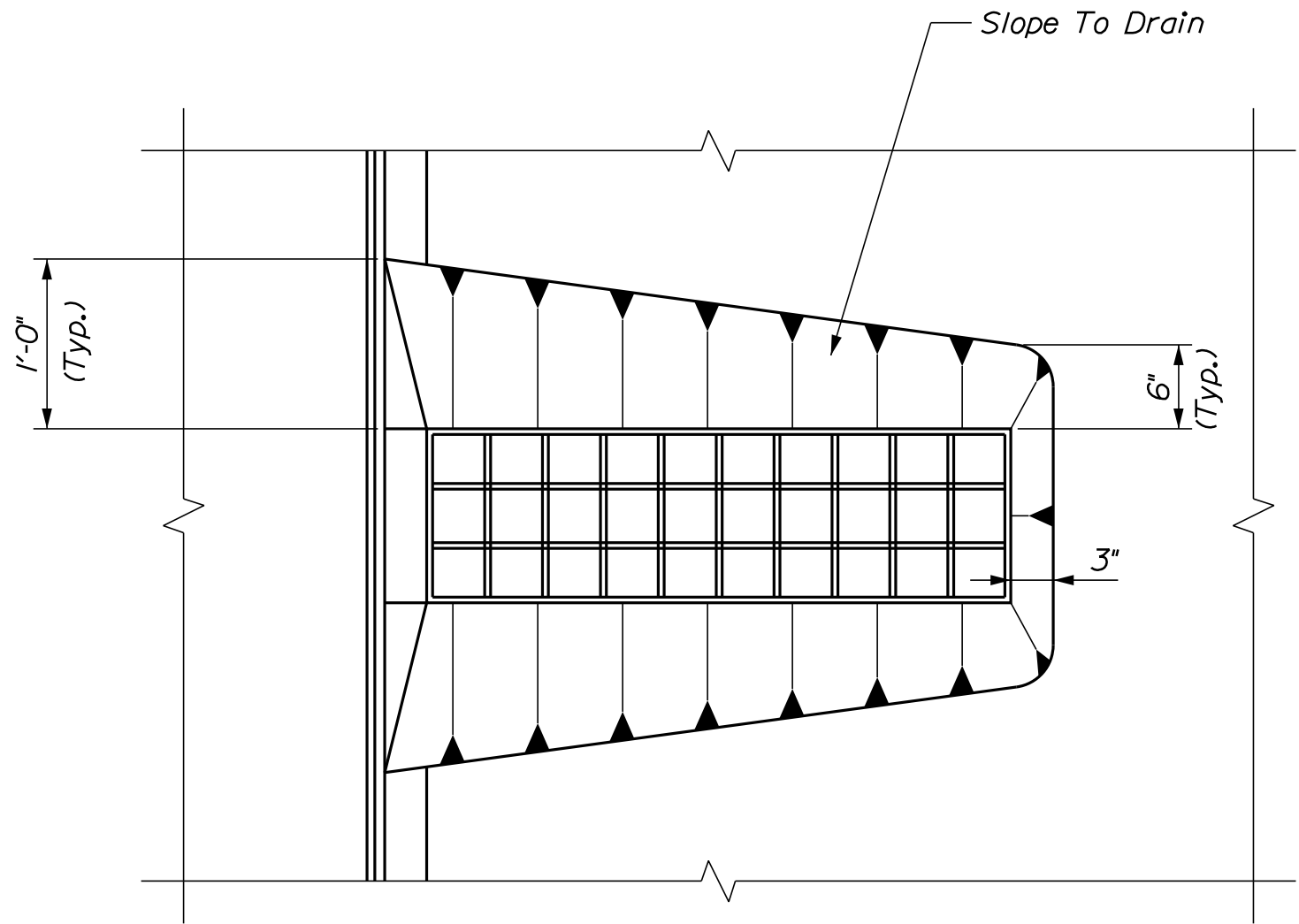
SIGNATURE	
P.E. NUMBER	
DATE	



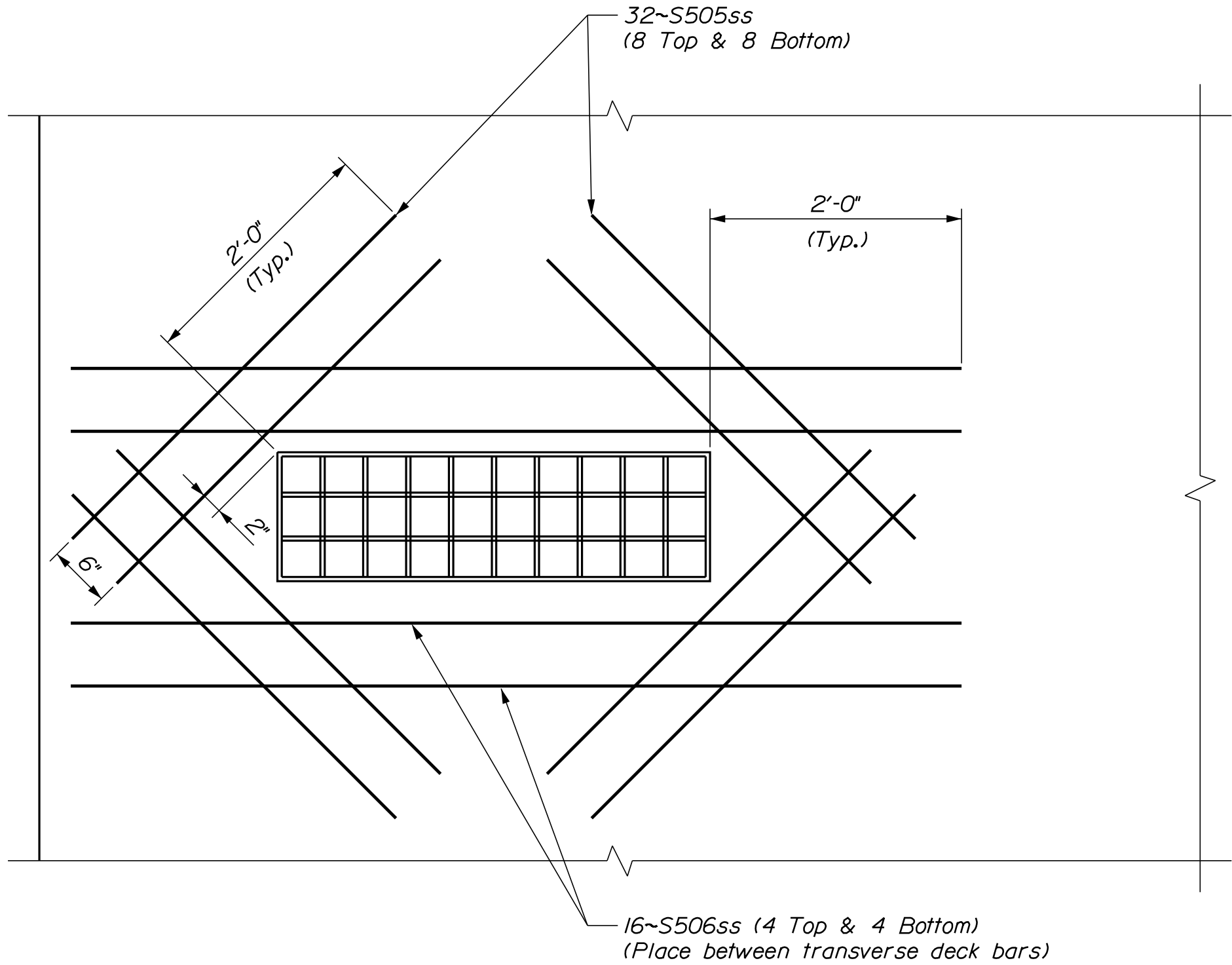
BRIDGE DRAIN - TYPE A2 - ELEVATION AT CURB

NOTE:

1. If the minimum thickness of concrete below the drain pan is 2 inches or less, the concrete shall be thickened as shown.



BRIDGE DRAIN - PLAN



DECK DRAIN REINFORCING PLAN

Deck reinforcement not shown for clarity

Note: Cut Longitudinal Bars and Transverse Bars as Necessary (Top & Bottom)



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
23104.00		23104.00	
BRIDGE NO. 3285		WIN	
23104.00		23104.00	
BRIDGE PLANS		BRIDGE PLANS	
ALDER STREAM BRIDGE		ALDER STREAM	
FRANKLIN COUNTY		FRANKLIN COUNTY	
JIM POND TWP		JIM POND TWP	
BRIDGE DRAIN DETAILS		BRIDGE DRAIN DETAILS	
SHEET NUMBER		35	
OF 41		OF 41	

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 BAR				ABUTMENT NO. 2 - PLAIN BAR				ABUTMENT NO. 1 - PLAIN BAR																	
A501	12	27'-5"	Abutment Horiz.	B501	12	27'-5"	Abutment Horiz.	A851	6	5'-6"	S	0'-0"	1'-6"	2'-6"	1'-6"	0'-0"	-		-	-	-	Ends of Wingwall			
A502	12	27'-4"	Abutment Horiz.	B502	12	27'-4"	Abutment Horiz.																		
								ABUTMENT NO. 1 - STAINLESS STEEL																	
A1101	12	20'-9"	Abutment Horiz.	B1101	12	20'-9"	Abutment Horiz.	A551ss	3	14'-2"	R	9'-3"	1'-2"	3'-9"	-	-	-	-	4'-6"	-	-	Parapet			
A1102	12	21'-1"	Abutment Horiz.	B1102	12	21'-1"	Abutment Horiz.	A552ss	3	14'-5"	R	9'-6"	1'-2"	3'-9"	-	-	-	-	4'-7"	-	-	Parapet			
								A553ss	3	14'-11"	L	12'-5"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
ABUTMENT NO. 1 - STAINLESS STEEL				ABUTMENT NO. 2 - STAINLESS STEEL				A554ss	3	15'-3"	L	12'-9"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
A503ss	7	27'-4"	Abutment Horiz.	B503ss	7	27'-4"	Abutment Horiz.	A555ss	2	13'-3"	L	10'-9"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
A504ss	20	6'-4"	Between Girders	B504ss	20	6'-4"	Between Girders	A556ss	2	11'-5"	L	8'-11"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A557ss	2	9'-8"	L	7'-2"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
A1103ss	6	29'-8"	Abutment	B1103ss	6	29'-8"	Abutment	A558ss	2	7'-11"	L	5'-5"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A559ss	30	10'-8"	L	8'-2"	2'-6"	-	-	-	-	-	-	-	-	Abutment			
SUPERSTRUCTURE - STAINLESS STEEL								A560ss	30	12'-4"	L	9'-10"	2'-6"	-	-	-	-	-	-	-	-	Abutment			
S500ss	550	33'-0"	Transverse Deck					A561ss	4	12'-0"	S	0'-0"	2'-6"	7'-0"	2'-6"	-	-	0'-0"	-	-	-	Wingwall			
S501ss	81	20'-8"	Longitudinal Deck					A562ss	46	9'-6"	L	7'-0"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
S502ss	162	60'-0"	Longitudinal Deck					A563ss	4	4'-11"	L	2'-5"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
S503ss	6	20'-8"	Longitudinal Curb					A564ss	4	5'-6"	L	3'-0"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
S504ss	12	60'-0"	Longitudinal Curb					A565ss	4	6'-1"	L	3'-7"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
S505ss	32	3'-0"	Bridge Drain					A566ss	4	6'-7"	L	4'-1"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
S506ss	16	7'-0"	Bridge Drain					A567ss	4	7'-2"	L	4'-8"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A568ss	4	7'-9"	L	5'-3"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
APPROACH SLAB - PLAIN BAR								A569ss	4	8'-3"	L	5'-9"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
AS501	32	28'-8"	Approach Slab					A570ss	8	9'-1"	L	6'-7"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A571ss	10	8'-6"	L	6'-0"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
AS601	116	15'-2"	Approach Slab					A572ss	30	4'-2"	L	2'-0"	2'-2"	-	-	-	-	-	-	-	-	Abut. To Approach Slab			
								A651ss	30	5'-7"	L	3'-5"	2'-2"	-	-	-	-	-	-	-	-	Abutment			
								A652ss	30	5'-6"	L	3'-6"	2'-0"	-	-	-	-	-	-	-	-	Abutment			
								A653ss	34	7'-2"	V	-	-	-	3'-0"	4'-2"	-	-	3'-0"	-	-	Angle @ Abut. To Deck			
								A852ss	59	8'-2"	L	5'-2"	3'-0"	-	-	-	-	-	-	-	-	Abutment to Deck			
								A1151ss	5	23'-3"	L	20'-9"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A1152ss	5	23'-7"	L	21'-1"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A1153ss	2	22'-5"	L	19'-11"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A1154ss	2	21'-6"	L	19'-0"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A1155ss	1	11'-4"	L	8'-10"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A1156ss	1	10'-6"	L	8'-0"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A1157ss	1	9'-7"	L	7'-1"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A1158ss	1	8'-9"	L	6'-3"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A1159ss	1	7'-10"	L	5'-4"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								A1160ss	1	6'-11"	L	4'-5"	2'-6"	-	-	-	-	-	-	-	-	Wingwall			
								SUPERSTRUCTURE - STAINLESS STEEL																	
								S550ss	390	5'-8"	S	0'-10"	1'-4"	1'-4"	1'-4"	-	-	0'-10"	-	-	-	-	Curb Stirrup		
								S650ss	276	6'-11"	C	0'-8"	6'-3"	0'-0"	-	-	-	-	-	-	-	-	Deck Overhang		

TYPE - BENDING DIAGRAMS

All dimensions are out-to-out of bar.

Bending details and hooks shall conform to the recommendations of the current revision of ACI Standard 315 and ACI Standard 318.

Reinforcing Bar: ASTM A 955, Grade 75

GENERAL NOTES

1. The first two digits following the letter(s) of the mark indicate the size of the bar:

Mark "A502" = bar size #5
Mark "P805" = bar size #8
Mark "S650" = bar size #6

2. Each crank bar, Type B, may be replaced by two (2) straight bars (one top and one bottom) of the same bar size as the crank bar. Payment in either case will be based on crank bars as scheduled on the plans.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

23104.00

WIN
23104.00

BRIDGE NO. 3265
BRIDGE PLANS

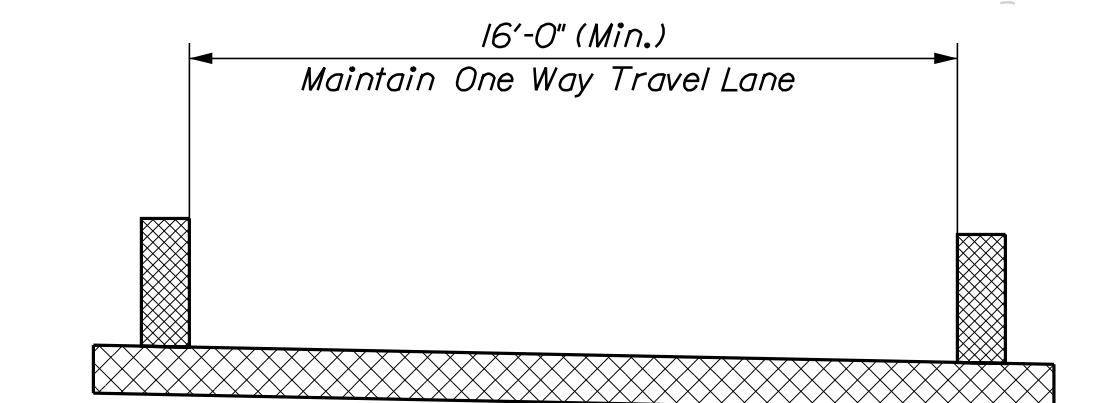
ALDER STREAM BRIDGE
ALDER STREAM
JIM POND TWP FRANKLIN COUNTY

REINFORCING SCHEDULE
(1 of 2)

SHEET NUMBER

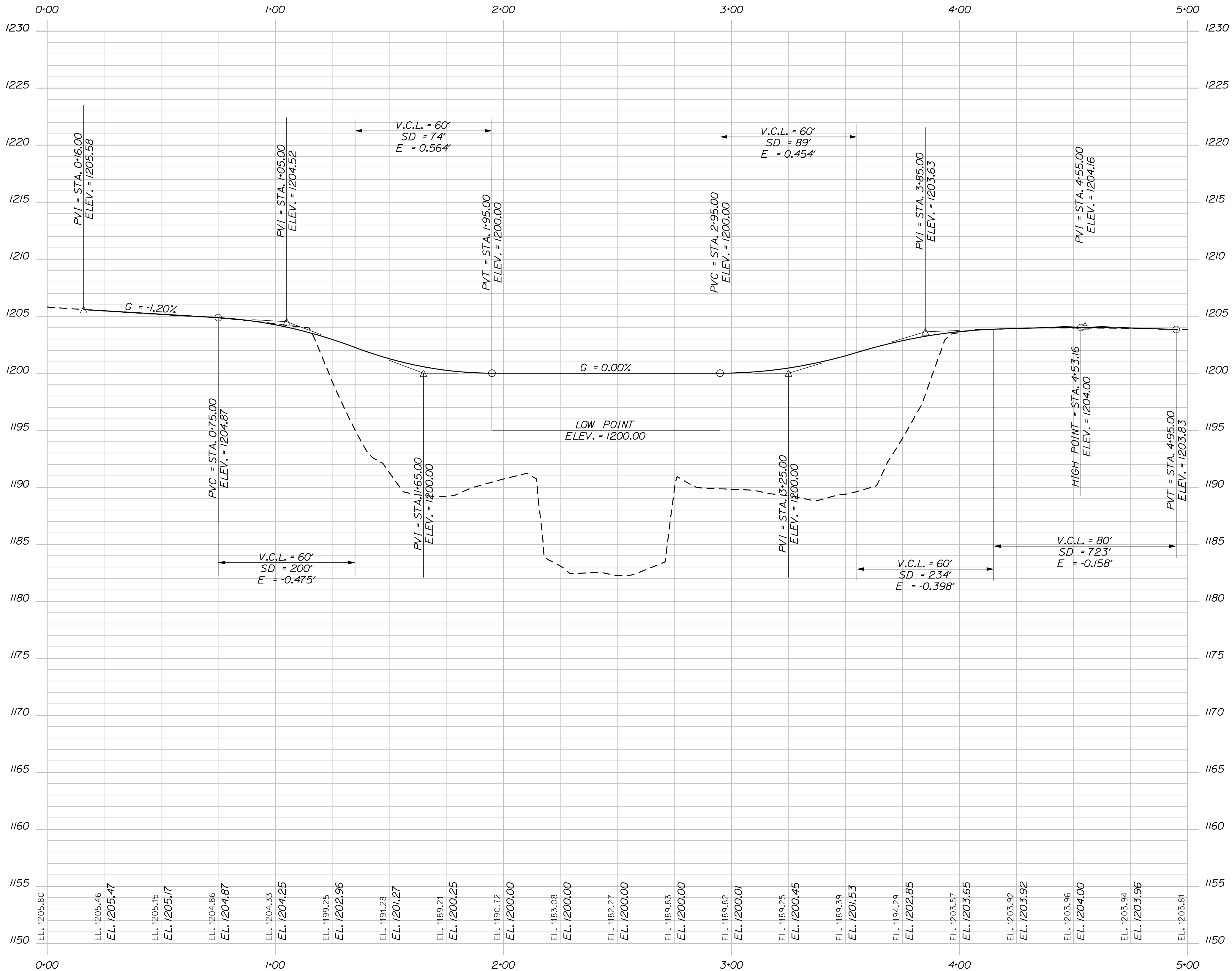
36

OF 41



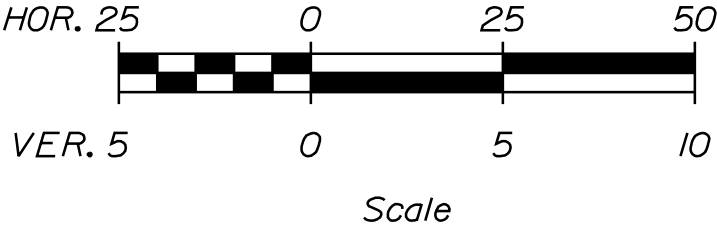
NOTE:
The intent of this drawing is to show a conceptual layout for the placement of the temporary detour features. Actual location for placement of the various features shall be determined by the Contractor and be in conformance with MaineDOT requirements.

ERDMAN
ANTHONY



PROFILE

NOTE:
The intent of this drawing is to show a conceptual layout for the placement of the temporary detour features. Actual location for placement of the various features shall be determined by the Contractor and be in conformance with MaineDOT requirements.



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
JIM POND TWP		FRANKLIN COUNTY	
ALDER STREAM BRIDGE		DETOUR PROFILE	
SHEET NUMBER		23104.00	
39		OF 41	
BRIDGE NO. 3265		WIN	
23104.00		HIGHWAY PLANS	

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 style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> New R/W Along Existing R/W Building _____ Trees Conifer _____ Deciduous _____ Tree Line _____ Water Edge _____ Ledge _____ Fence _____ Sign _____ </td> <td style="width:50%; vertical-align: top;"> Clearing Limit Line _____ Bush Line _____ Rock/Boulder _____ BARB WIRE _____ Well _____ Flag Pole _____ STOCKADE _____ Mailbox _____ </td> </tr> </table>	New R/W Along Existing R/W Building _____ Trees Conifer _____ Deciduous _____ Tree Line _____ Water Edge _____ Ledge _____ Fence _____ Sign _____	Clearing Limit Line _____ Bush Line _____ Rock/Boulder _____ BARB WIRE _____ Well _____ Flag Pole _____ STOCKADE _____ Mailbox _____	Existing Proposed <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> Sanitary Sewer _____ Telephone Line _____ Electric Line _____ Water Line _____ Underdrain Line _____ Gas Line _____ Guardrail _____ Culvert _____ </td> <td style="width:50%; vertical-align: top;"> _____ _____ _____ _____ _____ _____ _____ </td> </tr> </table>	Sanitary Sewer _____ Telephone Line _____ Electric Line _____ Water Line _____ Underdrain Line _____ Gas Line _____ Guardrail _____ Culvert _____	_____ _____ _____ _____ _____ _____ _____	Existing Proposed <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____ </td> <td style="width:50%; vertical-align: top;"> _____ _____ _____ _____ _____ _____ _____ </td> </tr> </table>	Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____	_____ _____ _____ _____ _____ _____ _____	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> Cut Line _____ Stonewall _____ Baseline _____ Monument _____ Iron Rod Found _____ Replacement Pin Set _____ </td> <td style="width:50%; vertical-align: top;"> Fill Line _____ Retaining Wall _____ Traverse Point _____ Pipe Found _____ </td> </tr> </table>	Cut Line _____ Stonewall _____ Baseline _____ Monument _____ Iron Rod Found _____ Replacement Pin Set _____	Fill Line _____ Retaining Wall _____ Traverse Point _____ Pipe Found _____	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. <div style="text-align: center;"> Scale of Feet </div>	<div style="text-align: center;"> STATE OF MAINE REGISTRY OF DEEDS </div> COUNTY _____ RECEIVED _____, at _____ h _____ m _____ M and recorded in Plan Bk _____, Pg. _____ Attest: _____ REGISTER
New R/W Along Existing R/W Building _____ Trees Conifer _____ Deciduous _____ Tree Line _____ Water Edge _____ Ledge _____ Fence _____ Sign _____	Clearing Limit Line _____ Bush Line _____ Rock/Boulder _____ BARB WIRE _____ Well _____ Flag Pole _____ STOCKADE _____ Mailbox _____													
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 _____	_____ _____ _____ _____ _____ _____ _____													
Cut Line _____ Stonewall _____ Baseline _____ Monument _____ Iron Rod Found _____ Replacement Pin Set _____	Fill Line _____ Retaining Wall _____ Traverse Point _____ Pipe Found _____													

