

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



SANFORD
YORK COUNTY
WASHINGTON STREET BRIDGE
OVER
MOUSAM RIVER
BRIDGE #1359
WIN 022642.01

LIST OF DRAWINGS

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STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED		DATE
	COMMISSIONER:		
	CHIEF ENGINEER:		

PROJECT INFORMATION		SIGNATURE	P.E. NUMBER	DATE
PROGRAM	Bridge			
PROJECT MANAGER	E. MARTIN			
DESIGNER	K. BOUCHARD			
CONSULTANT	WHB			
PROJECT RESIDENT				
CONTRACTOR				
PROJECT COMPLETION DATE				

SANFORD DOWNTOWN IMPROVEMENTS	BRIDGE TITLE SHEET

SHEET NUMBER
160
OF 195

MATERIALS

Concrete:	
Precast.....	Class P
All Other.....	Class A1

BASIC DESIGN STRESSES

Concrete:	
Class A1.....	f 'c = 4,000 psi
Class P.....	f 'c = 5,000 psi

TRAFFIC DATA

Current (2026) AADT.....	7770
Future (2036) AADT.....	8550
DHV - % of AADT.....	9%
Design Hour Volume.....	770
Heavy Trucks (% of AADT).....	11%
Heavy Trucks (% of DHV).....	10%
18 kip Equivalent P 2.0.....	X
18 kip Equivalent P 2.5.....	X
Design Speed (mph).....	25

PROJECT LOCATION	Washington St. Bridge (#1359) over Mousam River Sanford, York County Lat./Long. 43° 26' 28.0" N 70° 46' 25.4"
PROGRAM AREA	Highway Program
OUTLINE OF WORK	Sidewalk Widening, Additional Beam Line, and Substructure Extension

GENERAL CONSTRUCTION NOTES

1. Project information referred to below may be accessed at the following MaineDOT web address:
<http://www.maine.gov/mdot/contractors/>
2. The existing bridge plans may be accessed at the MaineDOT web address. The plans are 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.
3. All dimensions, angles, and stationing shown on existing plans are taken from the year 2000 as-built construction drawings and are not guaranteed to be accurate. All information based on or relating to the existing bridge shall be verified in the field by the Contractor. Adjustments to the proposed work shown in these plans due to field verifications of existing geometry shall be submitted to the Resident for approval. The Resident shall be given 14 calendar days for review and approval prior to performing work.
4. Reinforcing bar lengths and quantities shown on the plans are based on existing dimensions per Note 3. Where field verified dimensions of existing conditions vary from the dimensions shown, the Contractor shall adjust reinforcing bar lengths and quantities accordingly, maintaining the bar size, spacing, and cover shown on the plans. Adjusted bar lengths and quantities shall be submitted to the Resident for review and approval 14 days prior to reinforcement fabrication.
5. Reinforcing steel shall have a minimum concrete cover of 2" unless otherwise noted.
6. All existing reinforcing steel that is to be exposed and reused shall be cleaned by a method approved by the Resident. Payment shall be incidental to the related Contract Items.
7. All dowel installation into concrete is incidental to related contract items.
8. Removal of retaining wall at Abutment 2 extension location shall be paid for under item 202.17 Removing Existing Structural Concrete (Retaining Wall).
9. All existing materials which are removed from the work area shall be removed from the site and properly disposed of by the Contractor. These existing materials include, but are not limited to: concrete, reinforcing steel, silt, drainage pipes and other debris on or attached to the structure within the work areas. The cost of removal and disposal shall be incidental to the cost of the work items for which these removals are required.
10. If the depth of deteriorated concrete is at/or below the reinforcing steel, then remove the concrete to a minimum depth of 1 inch below the reinforcing bars.
11. Protective Coating for Concrete Surfaces shall be applied to the following areas:

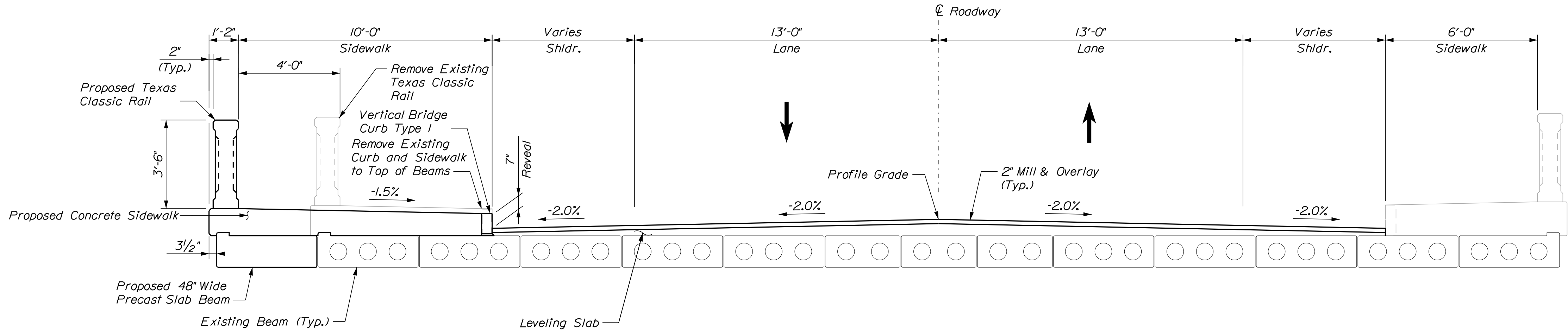
All exposed surfaces of concrete curbs and sidewalks,
Fascias down to the drip notch,
Concrete barrier railing,
Abutment and Backwall Concrete,
& Abutment Extension Wall.

SANFORD
WASHINGTON STREET BRIDGE
GENERAL CONSTRUCTION
NOTES

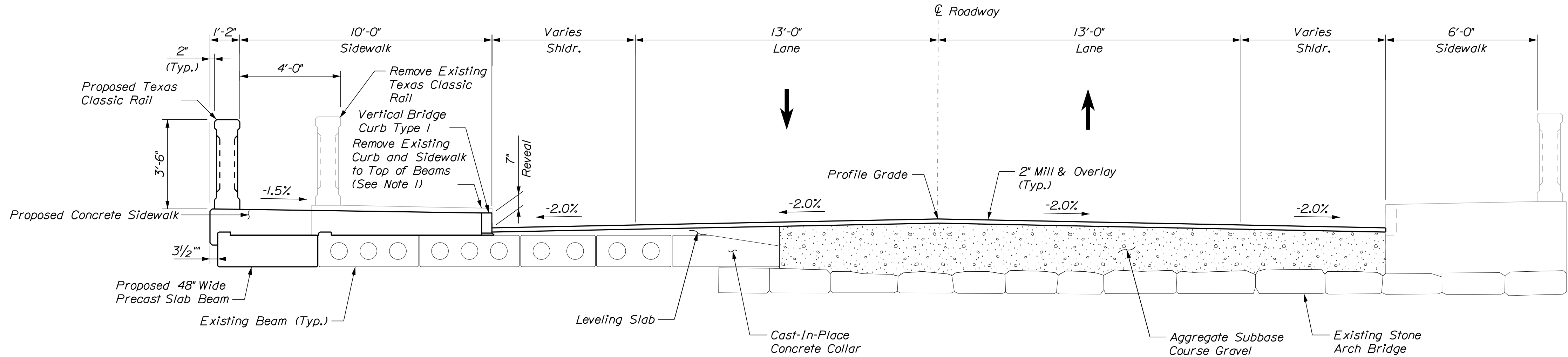
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DESIGN-DETAILED	KJB	MIC	8/27/2026
CHECKED-REVIEWED	KJB	CTA	8/27/2026
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



STATE OF MAINE DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
WIN 024395.01 HIGHWAY PLANS



SPAN 1 SUPERSTRUCTURE TYPICAL SECTION



SPAN 2 SUPERSTRUCTURE TYPICAL SECTION

SHEET NOTES:
1. Existing reinforcement projecting from top of beams shall be preserved. The Contractor shall take care to not damage existing beam reinforcement or the top of the beams. Any damage to the beam reinforcement or beams shall be repaired by the Contractor to the satisfaction of the Resident at no additional cost to the Department.

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 024395.01

HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	DATE
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DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
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FIELD CHANGES			

SANFORD WASHINGTON STREET BRIDGE

TYPICAL SECTIONS

SHEET NUMBER

163

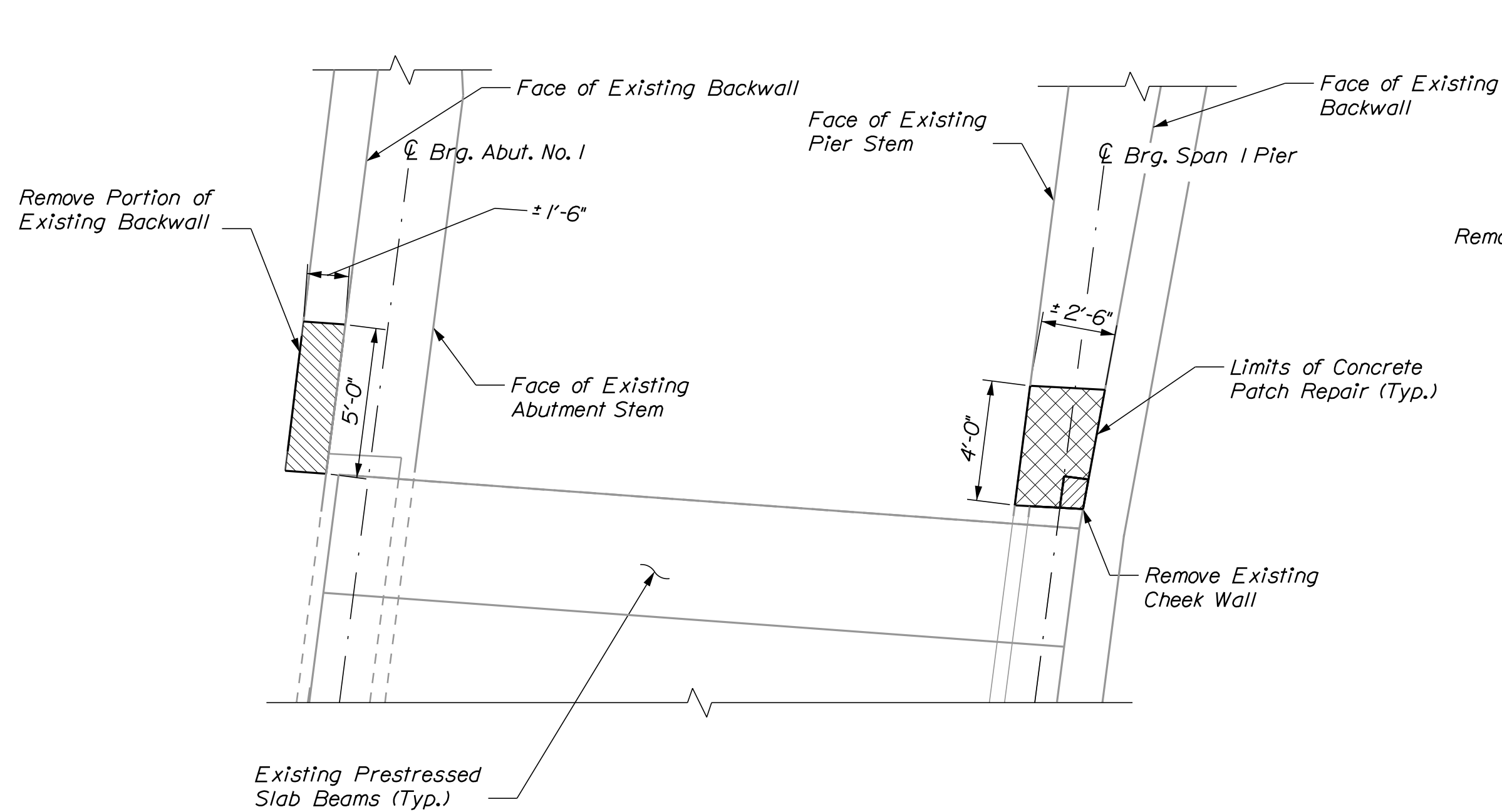
OF 195

Date:8/27/2026

Username: jomedavis

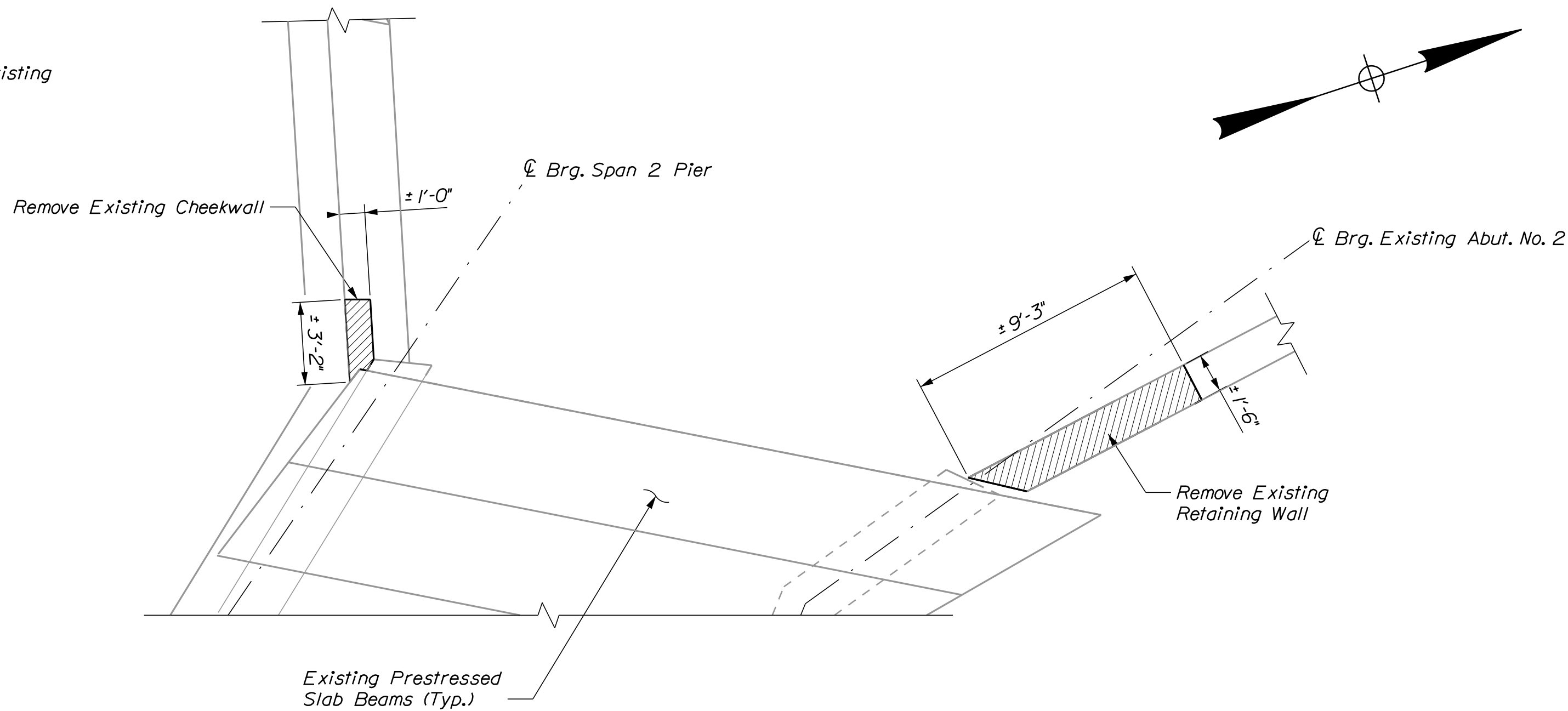
Division: HIGHWAY

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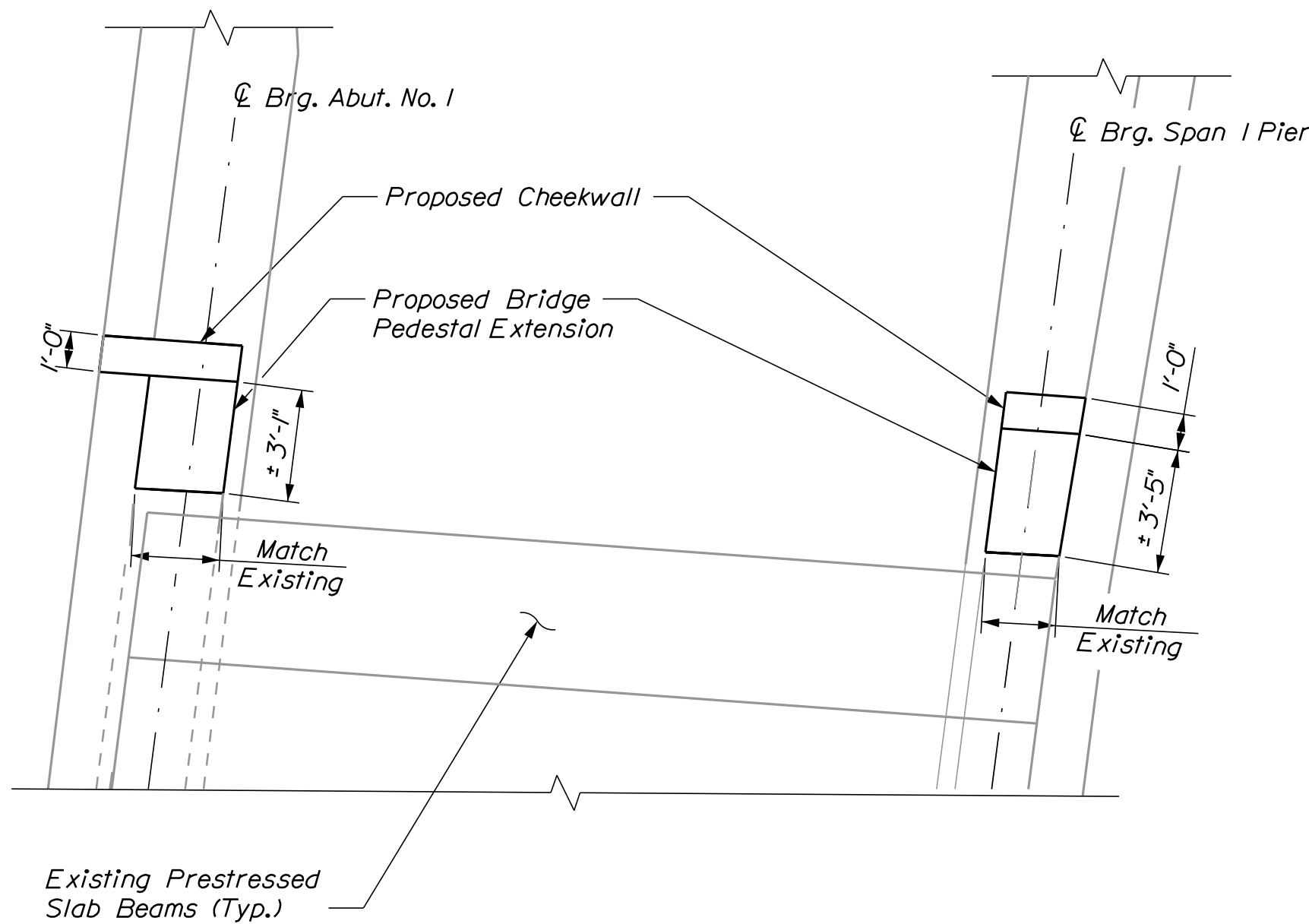
SPAN 1
SUBSTRUCTURE REMOVAL PLAN

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



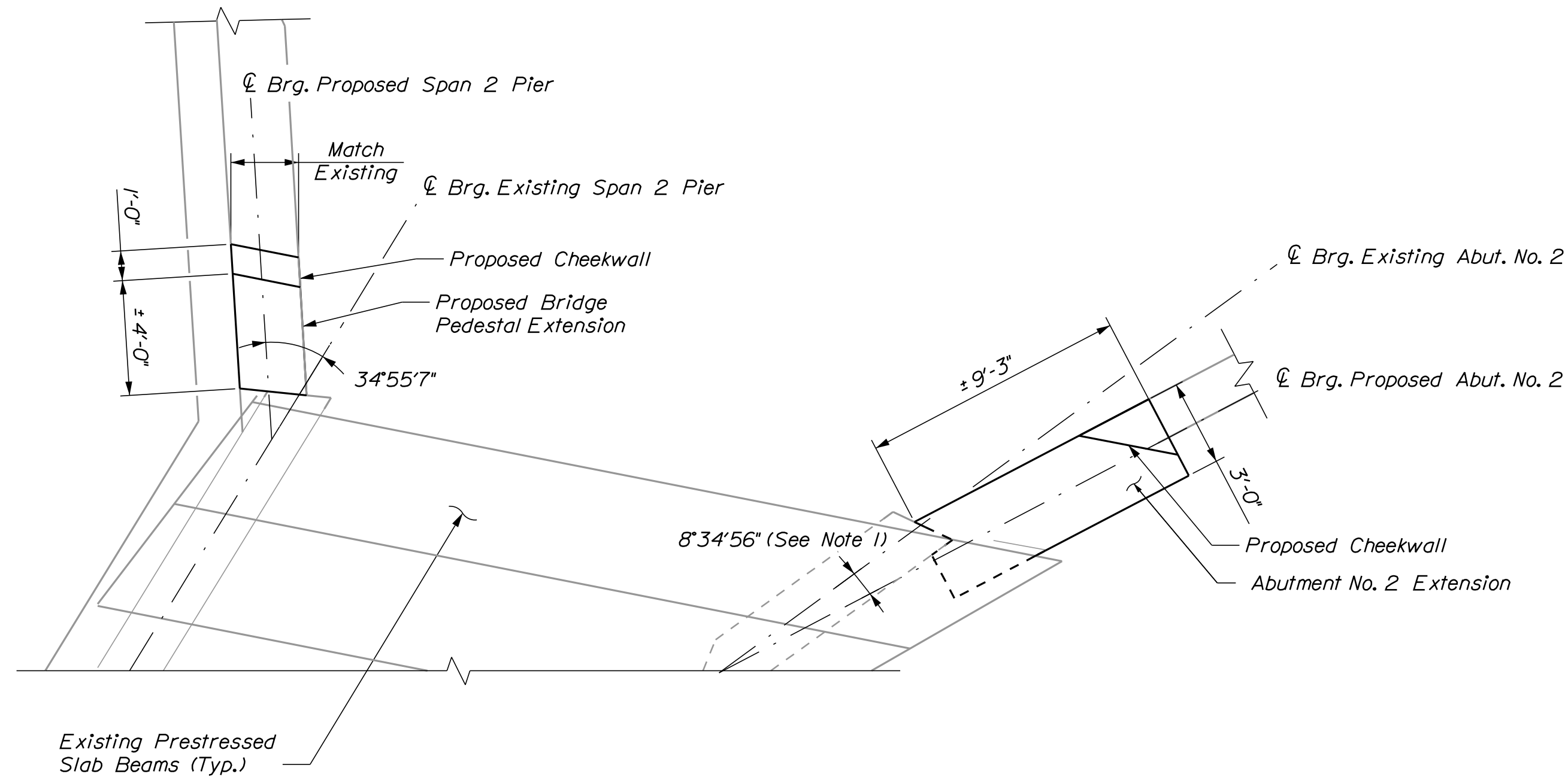
SPAN 2
SUBSTRUCTURE REMOVAL PLAN

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



SPAN 1
PROPOSED SUBSTRUCTURE PLAN

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

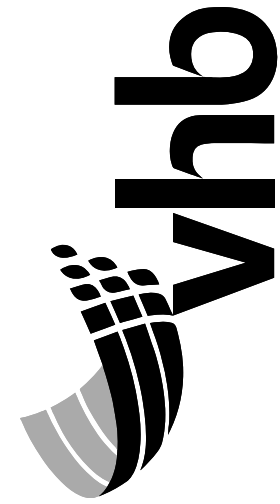


SPAN 2
PROPOSED SUBSTRUCTURE PLAN

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

SHEET NOTES:

1. The Contractor shall field verify skew angle dimensions of existing substructure.



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN

024395.01

HIGHWAY PLANS

SANFORD
WASHINGTON STREET BRIDGE

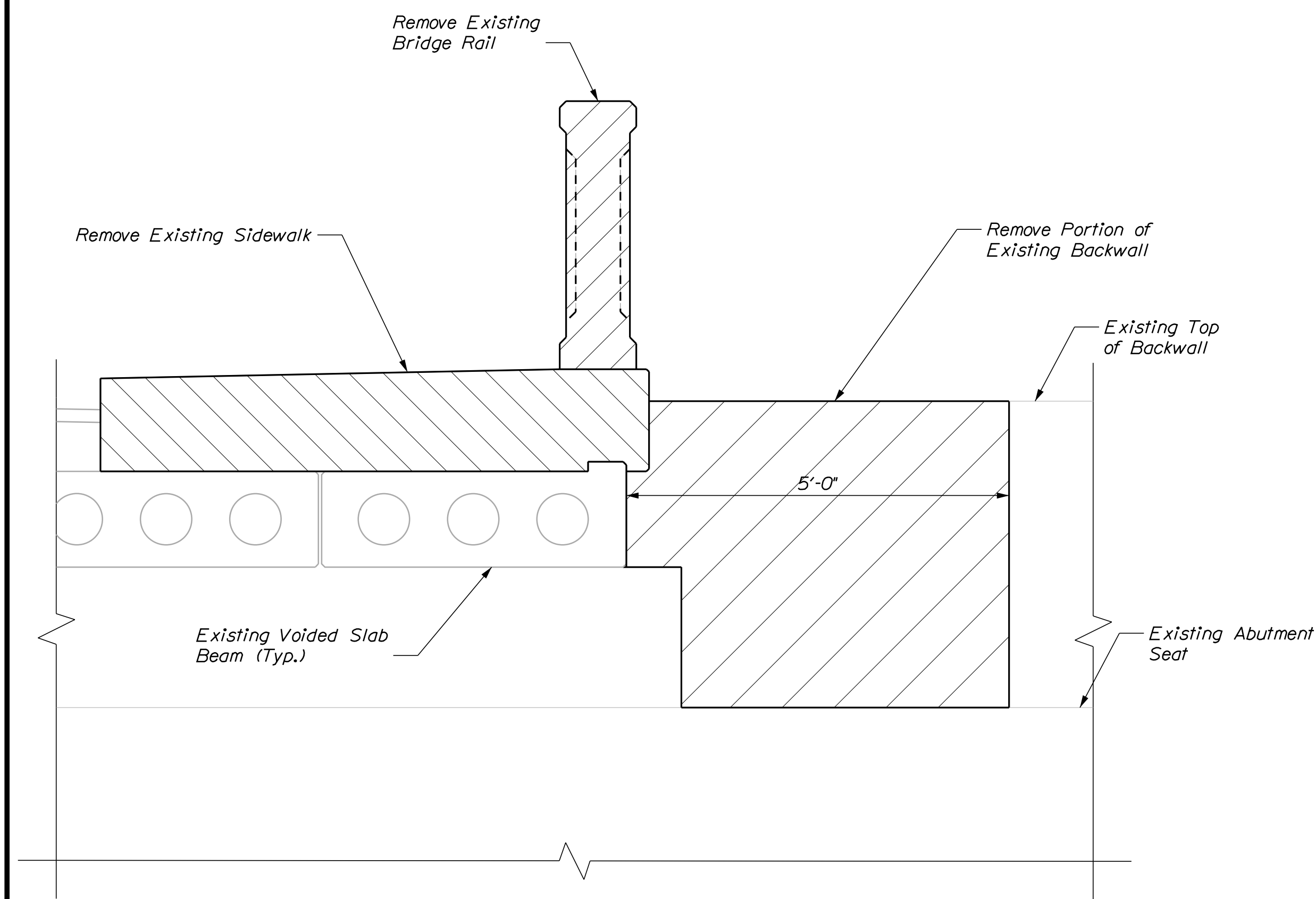
SUBSTRUCTURE PLAN

SHEET NUMBER

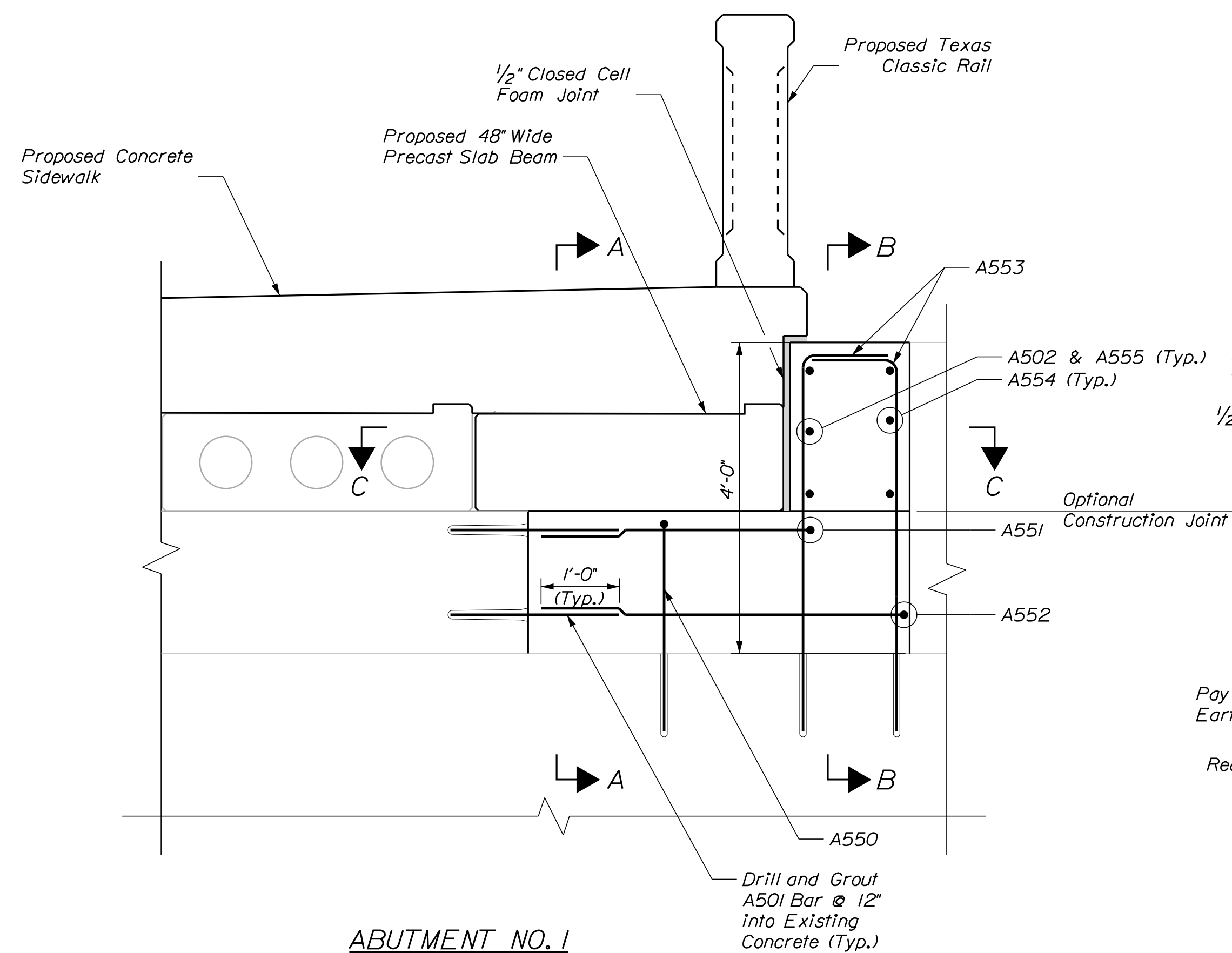
164

OF 195

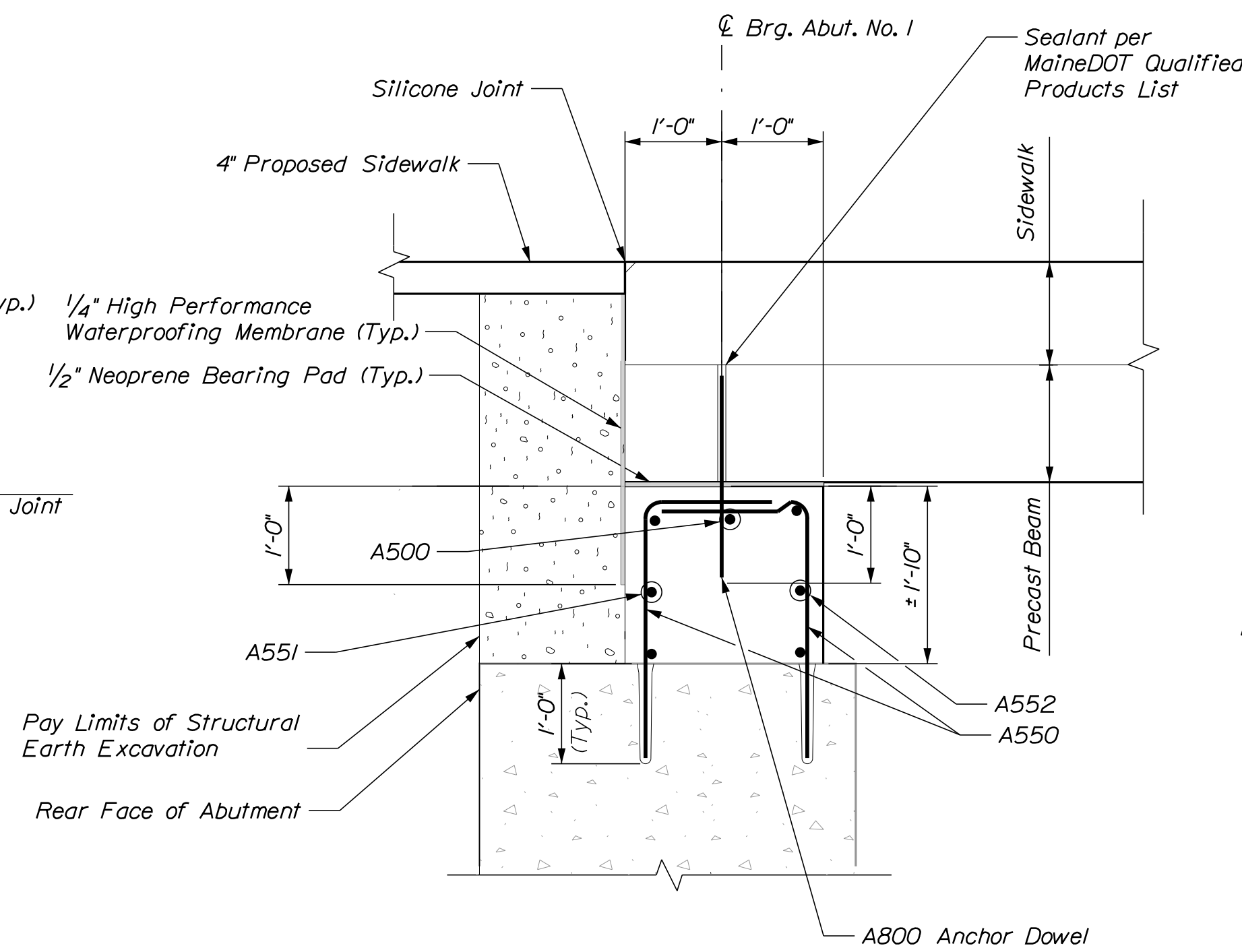
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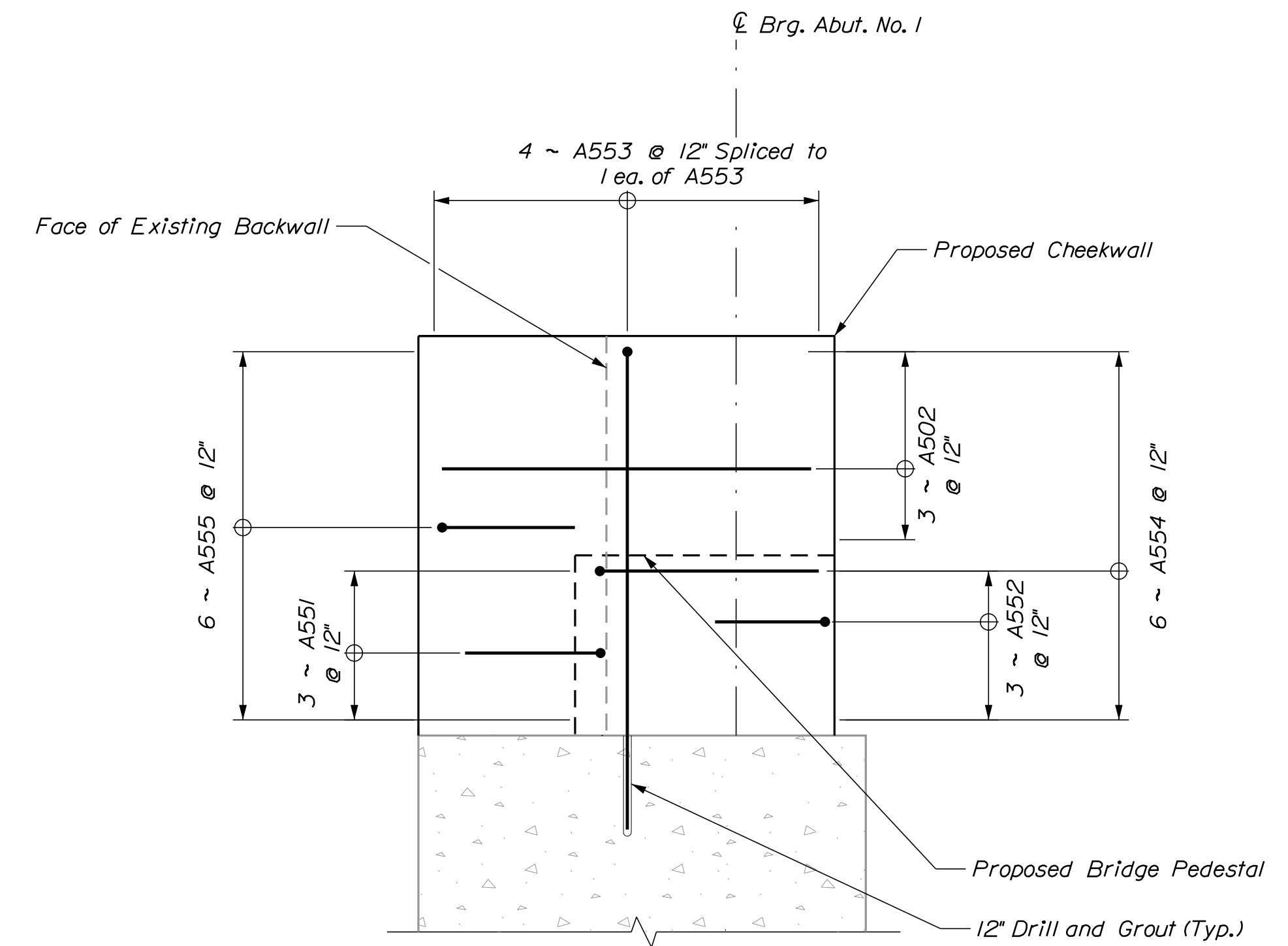
ABUTMENT NO. 1
REMOVAL ELEVATION



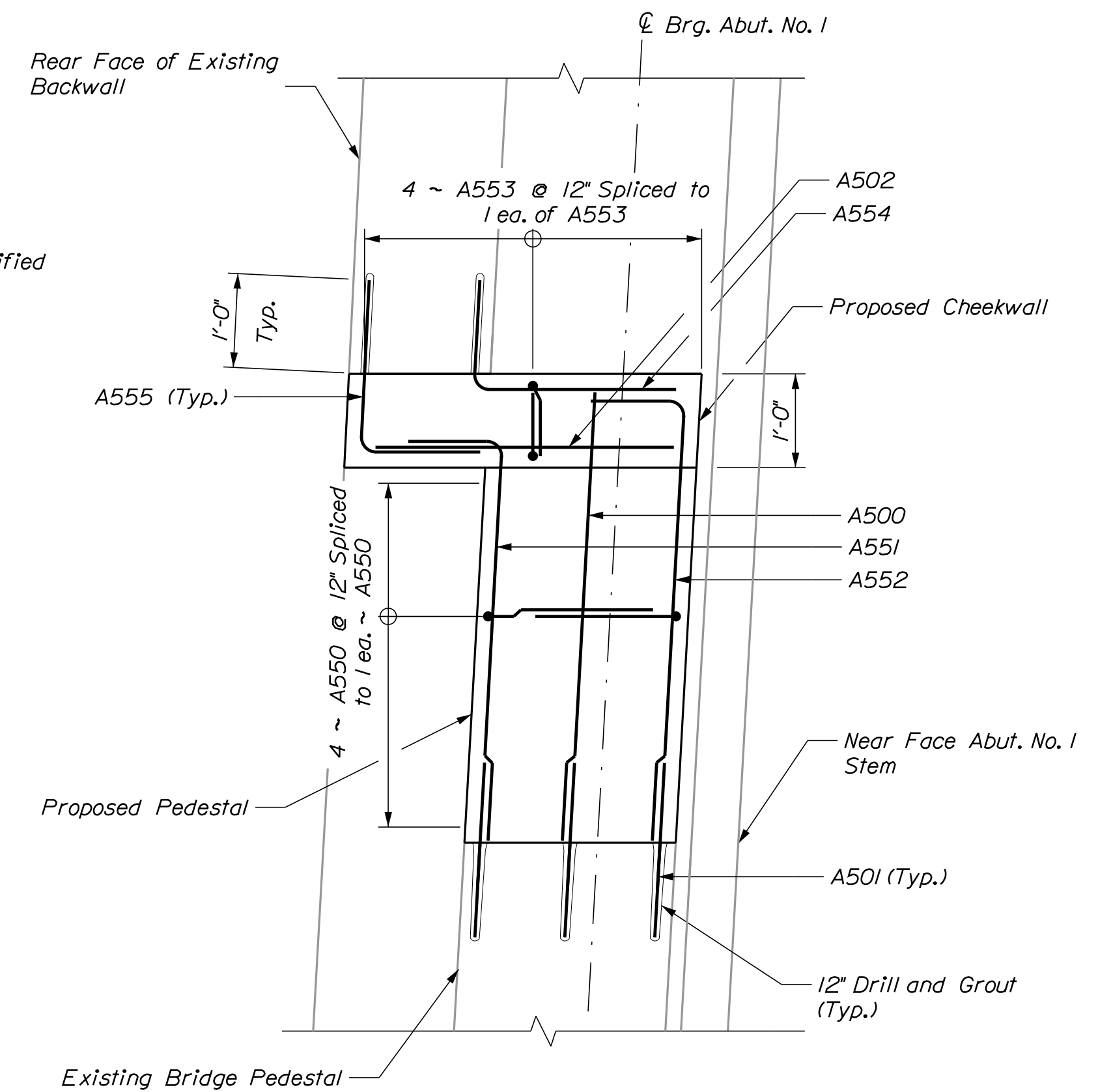
ABUTMENT NO. 1
PROPOSED ELEVATION



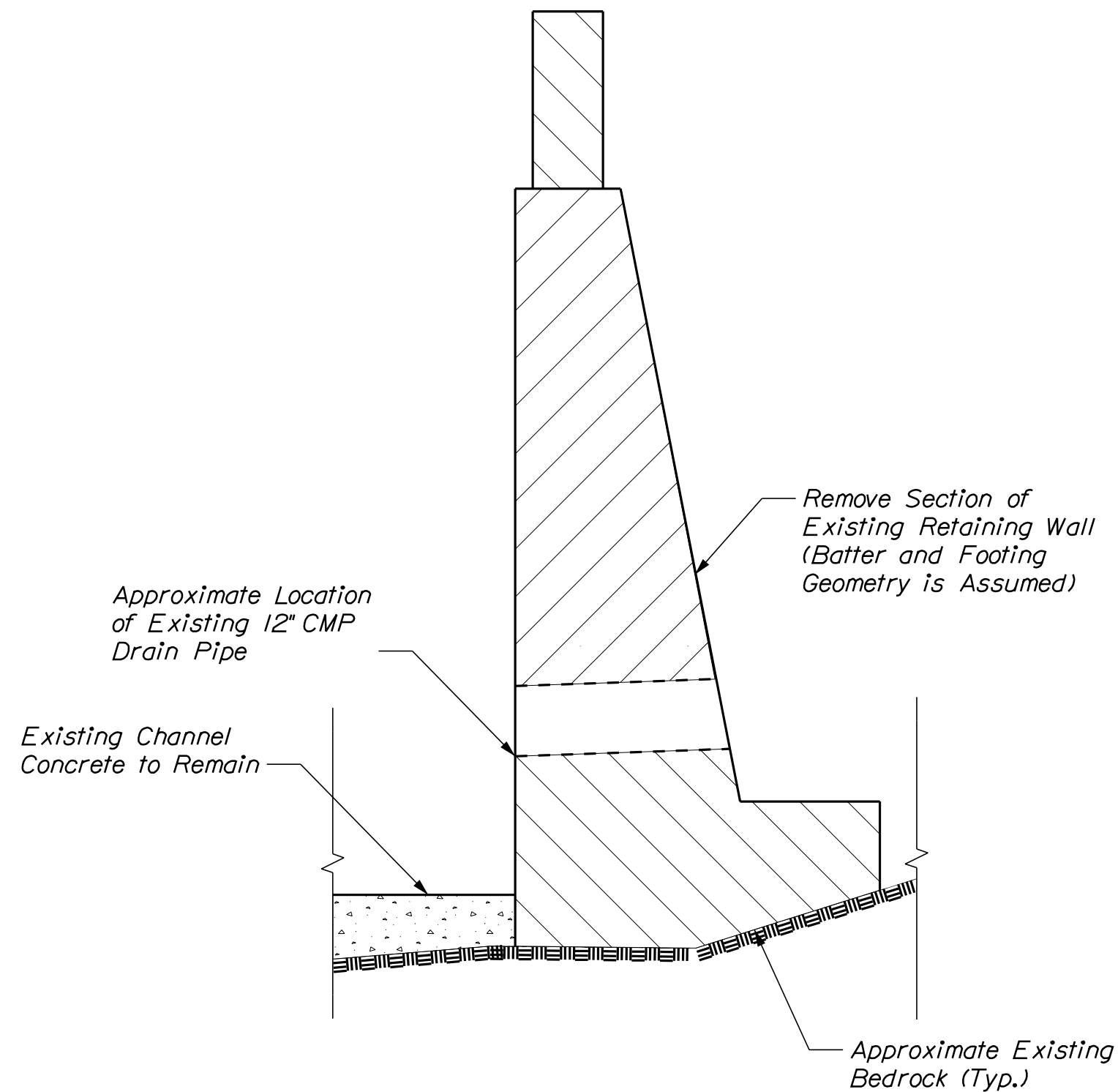
SECTION A-A



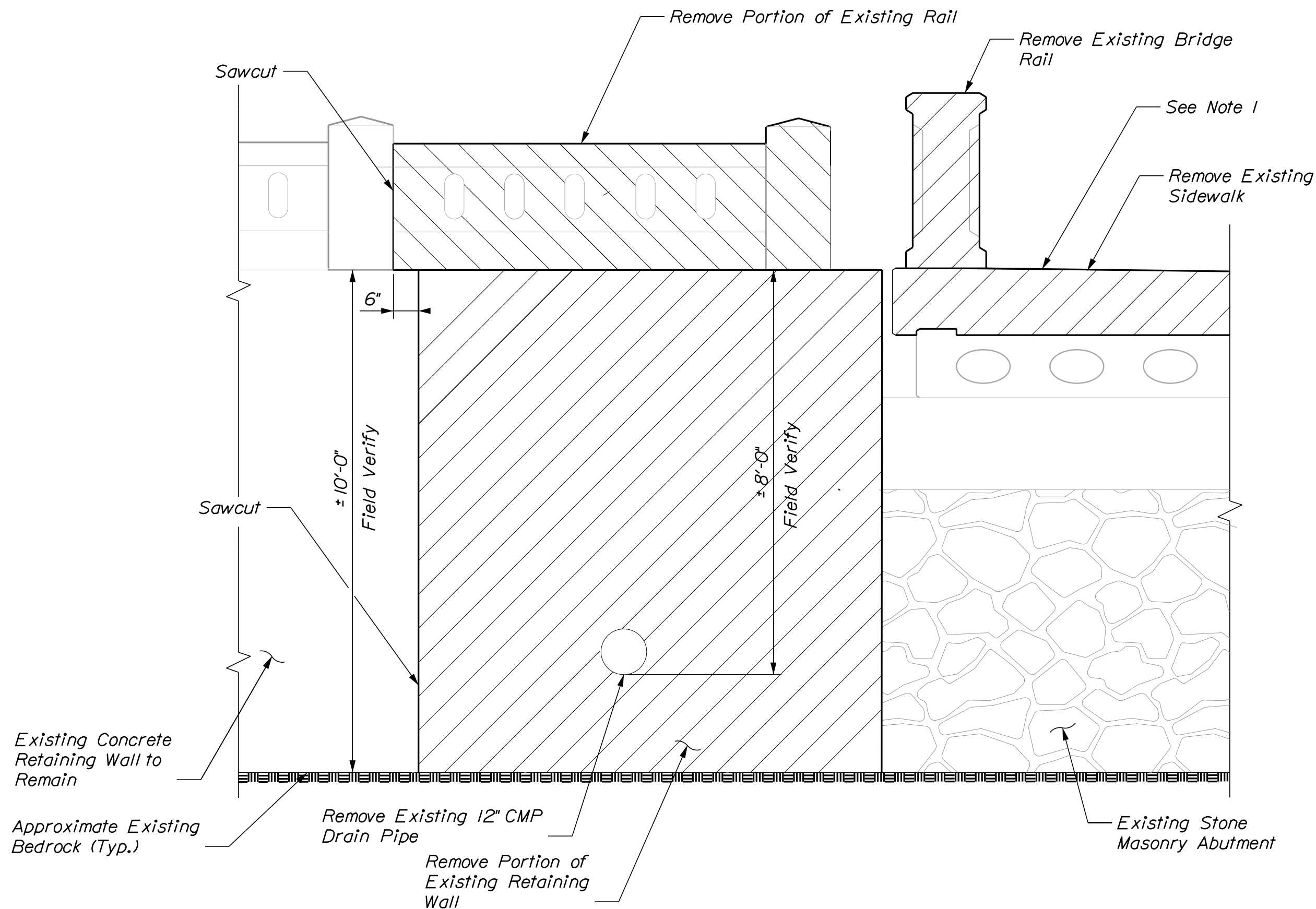
SECTION B-B



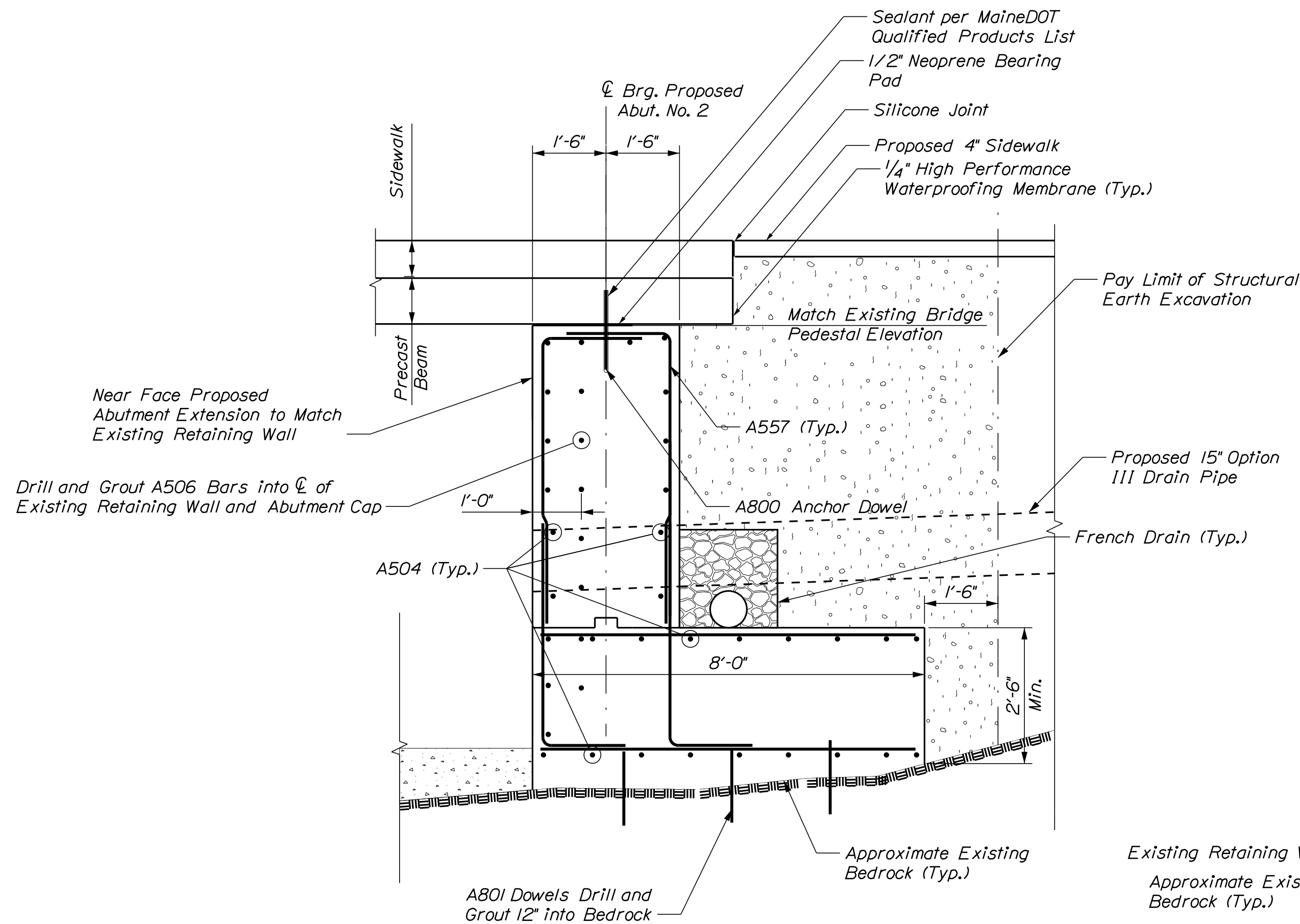
SECTION C-C



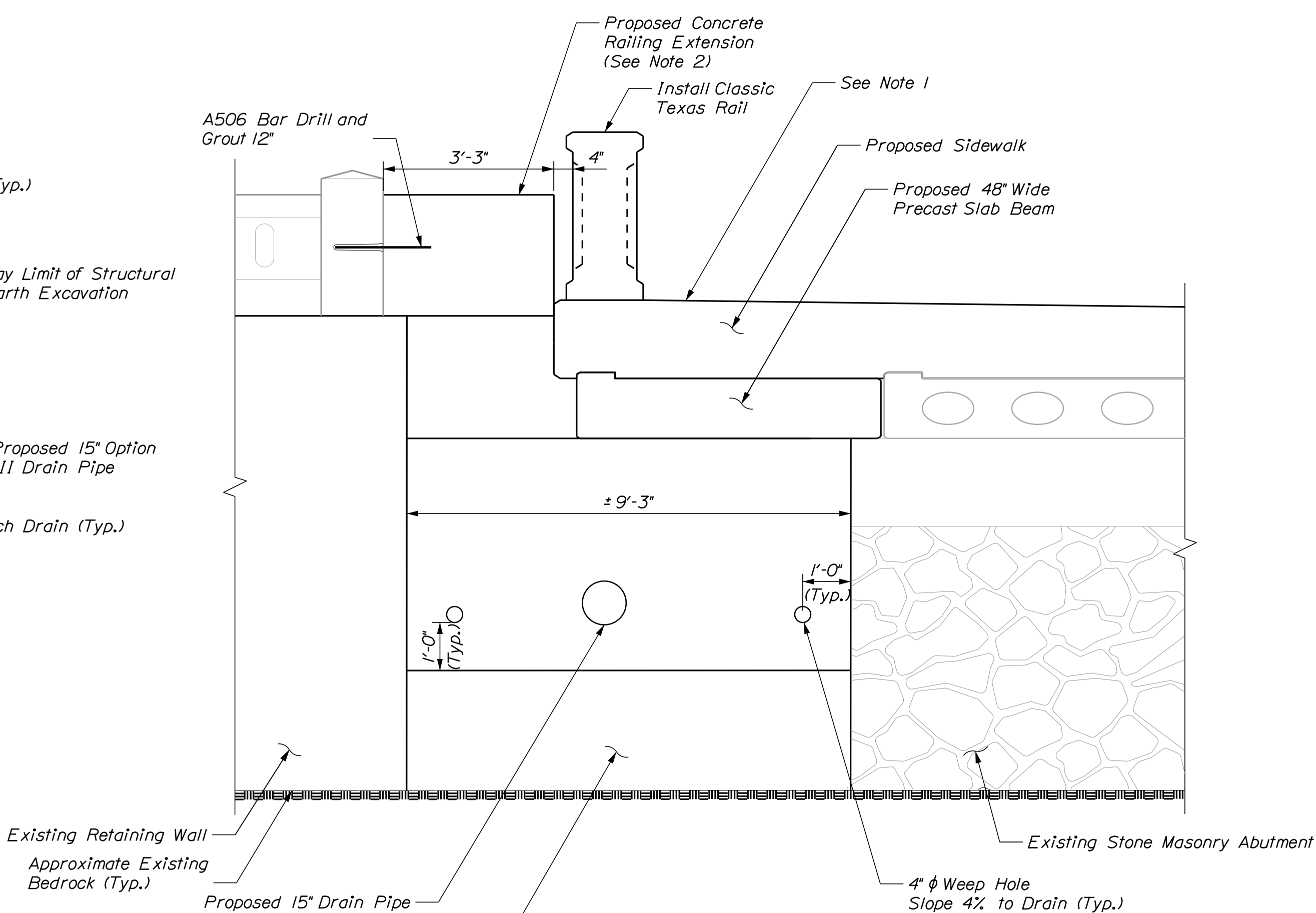
RETAINING WALL
EXISTING SECTION



RETAINING WALL EXISTING ELEVATION



ABUTMENT 2 EXTENSION
PROPOSED SECTION

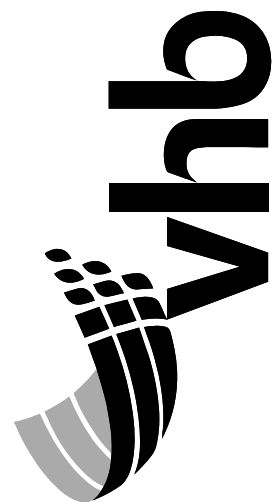


ABUTMENT 2 EXTENSION PROPOSED ELEVATION

Elevation View Normal to Wall, Bridge Skewed

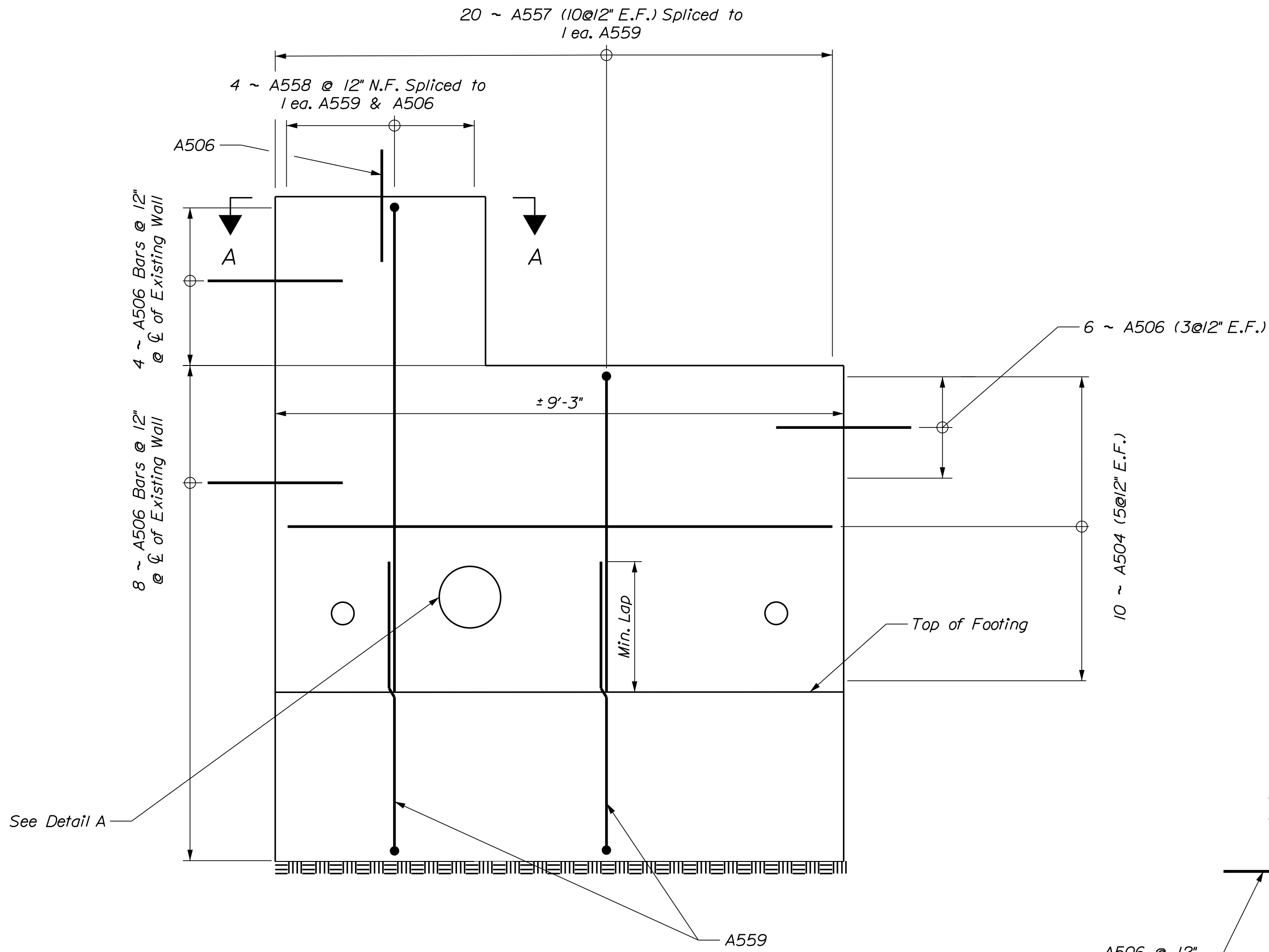
SHEET NOTES:

1. Superstructure and stone abutment shown skewed relative to retaining wall and abutment extension.
2. The Contractor shall provide #5 bars at 12" in every direction. The Contractor shall provide the Resident a reinforcement plan for review and approval 14 days prior to the reinforcement fabrication.

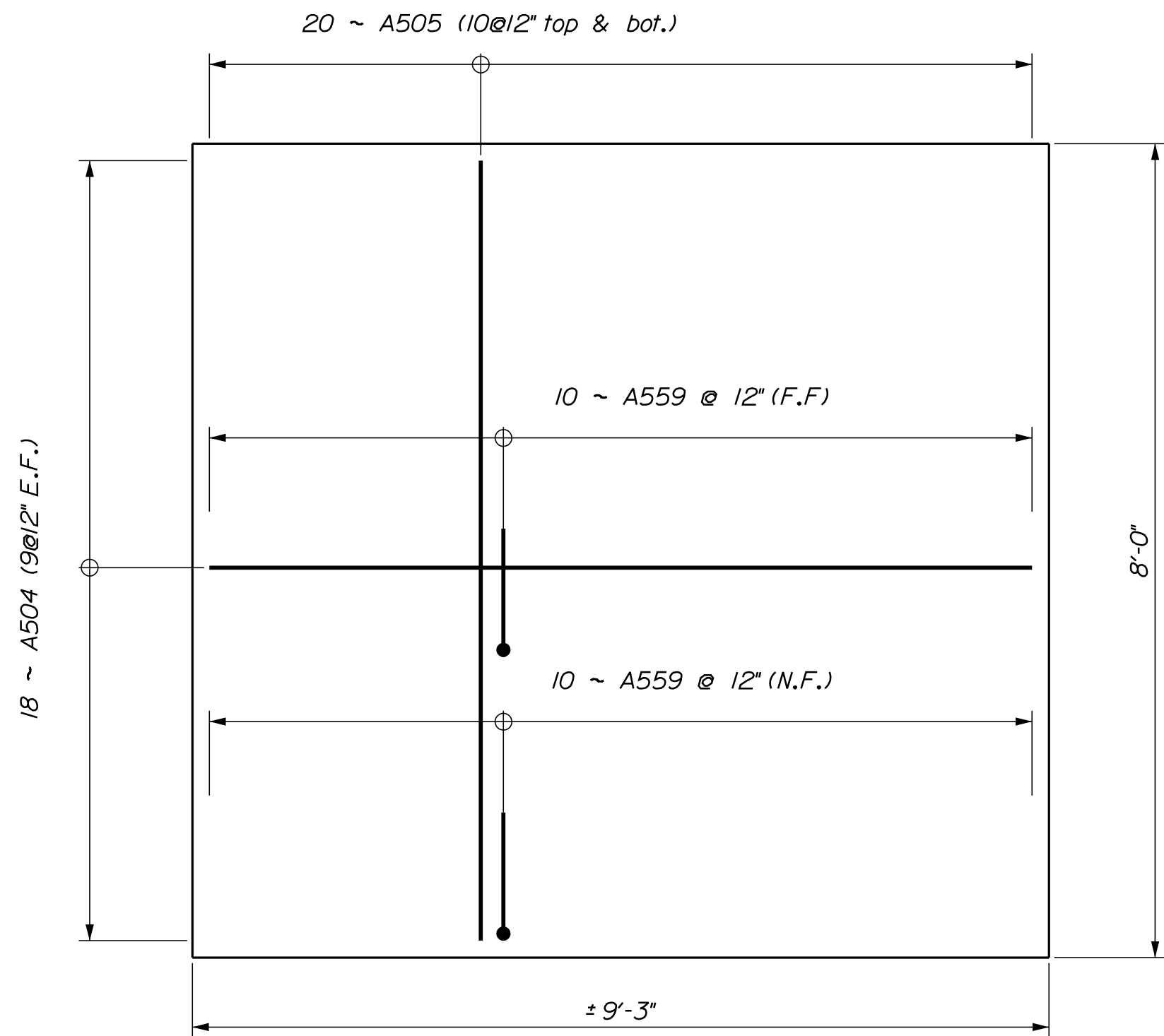


PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGNED-DETAILED	KJB	MIC	8/27/2026
CHECKED-REVIEWED	KJB	CTA	8/27/2026
DESIGNED-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

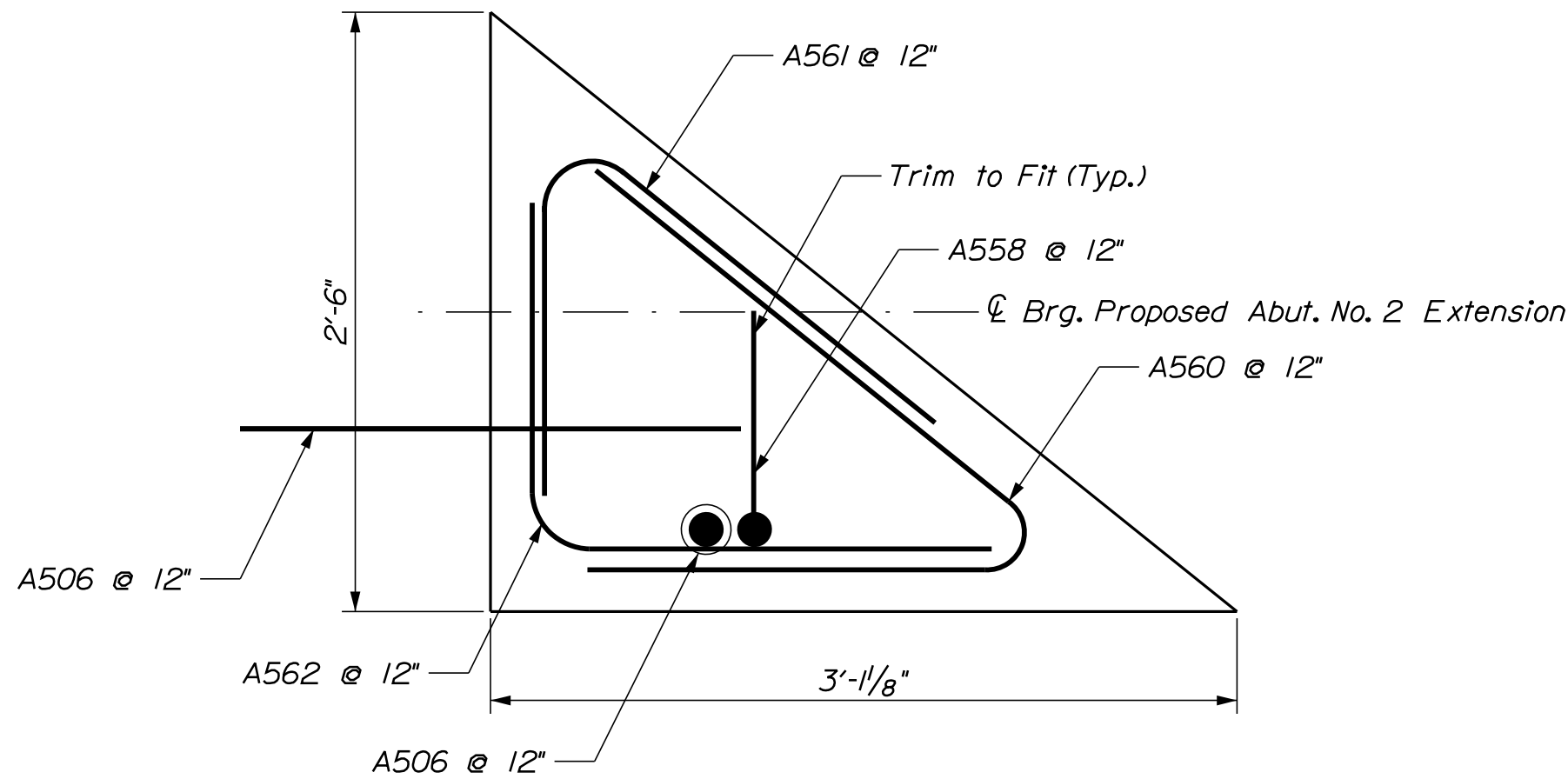
SANFORD
WASHINGTON STREET BRIDGE
ABUTMENT NO. 2 EXTENSION
(1 OF 2)



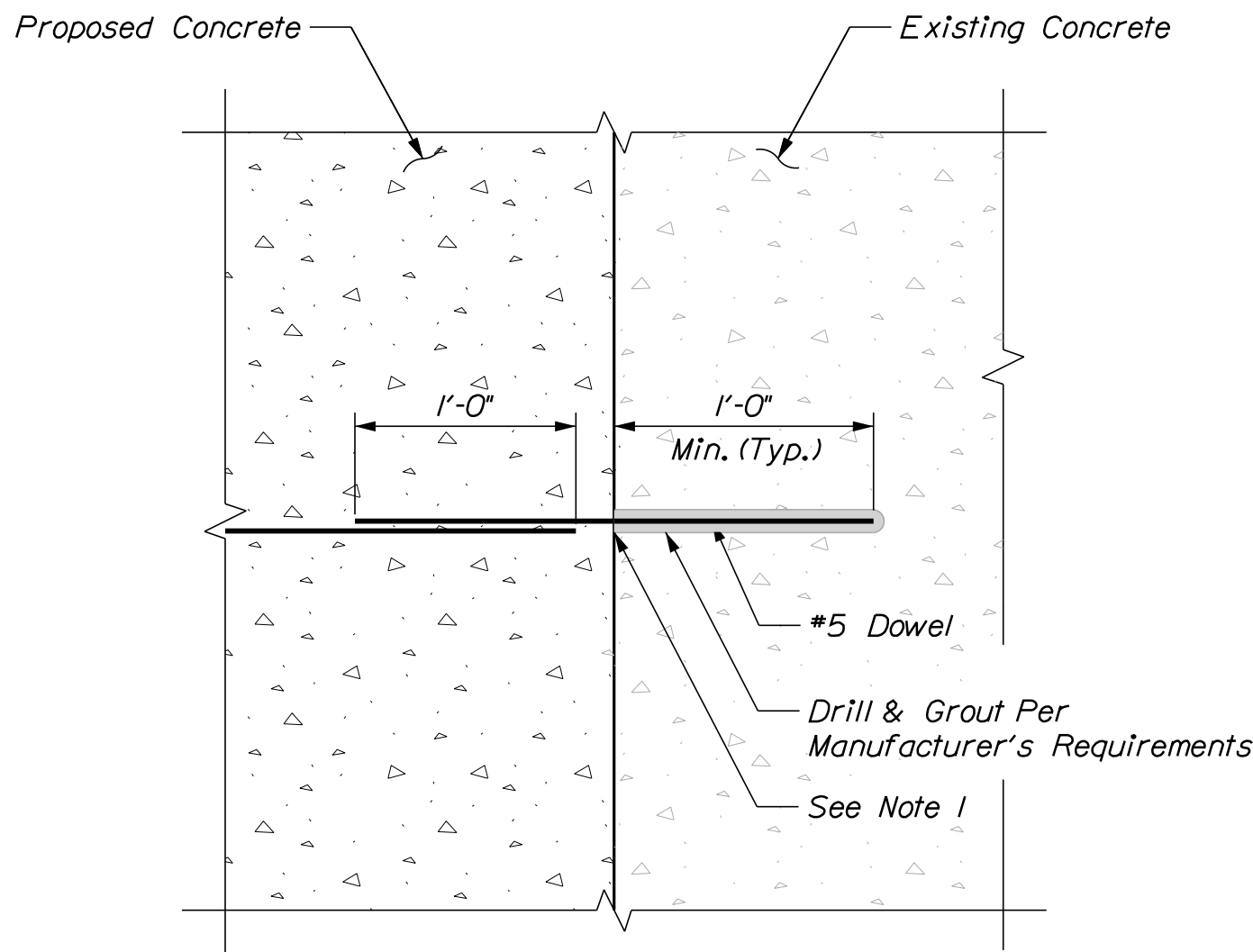
ABUTMENT NO. 2 EXTENSION
REINFORCEMENT ELEVATION



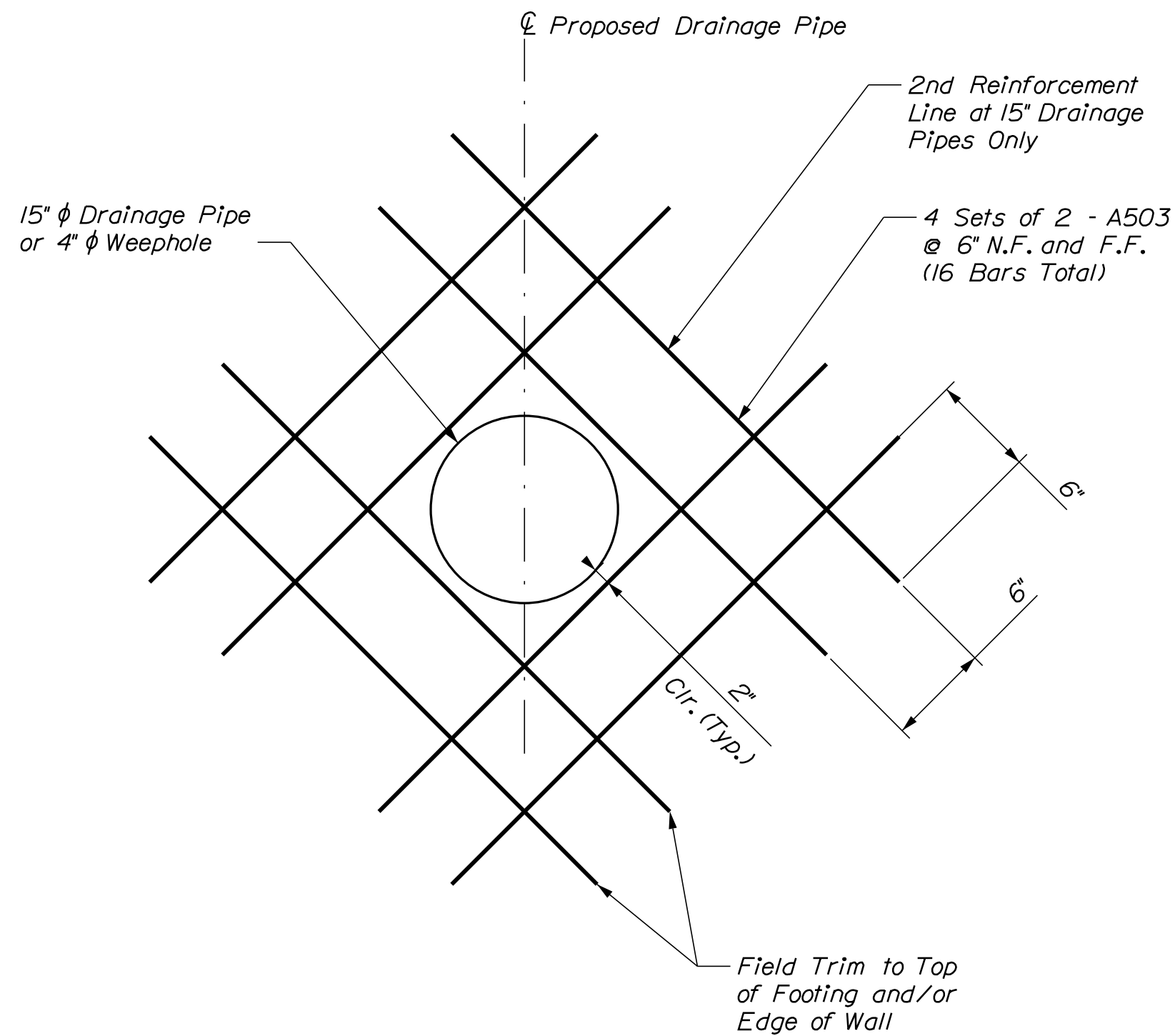
ABUTMENT NO. 2 EXTENSION
FOOTING PLAN



CHEEKWALL SECTION A-A



CONCRETE DOWEL DETAIL

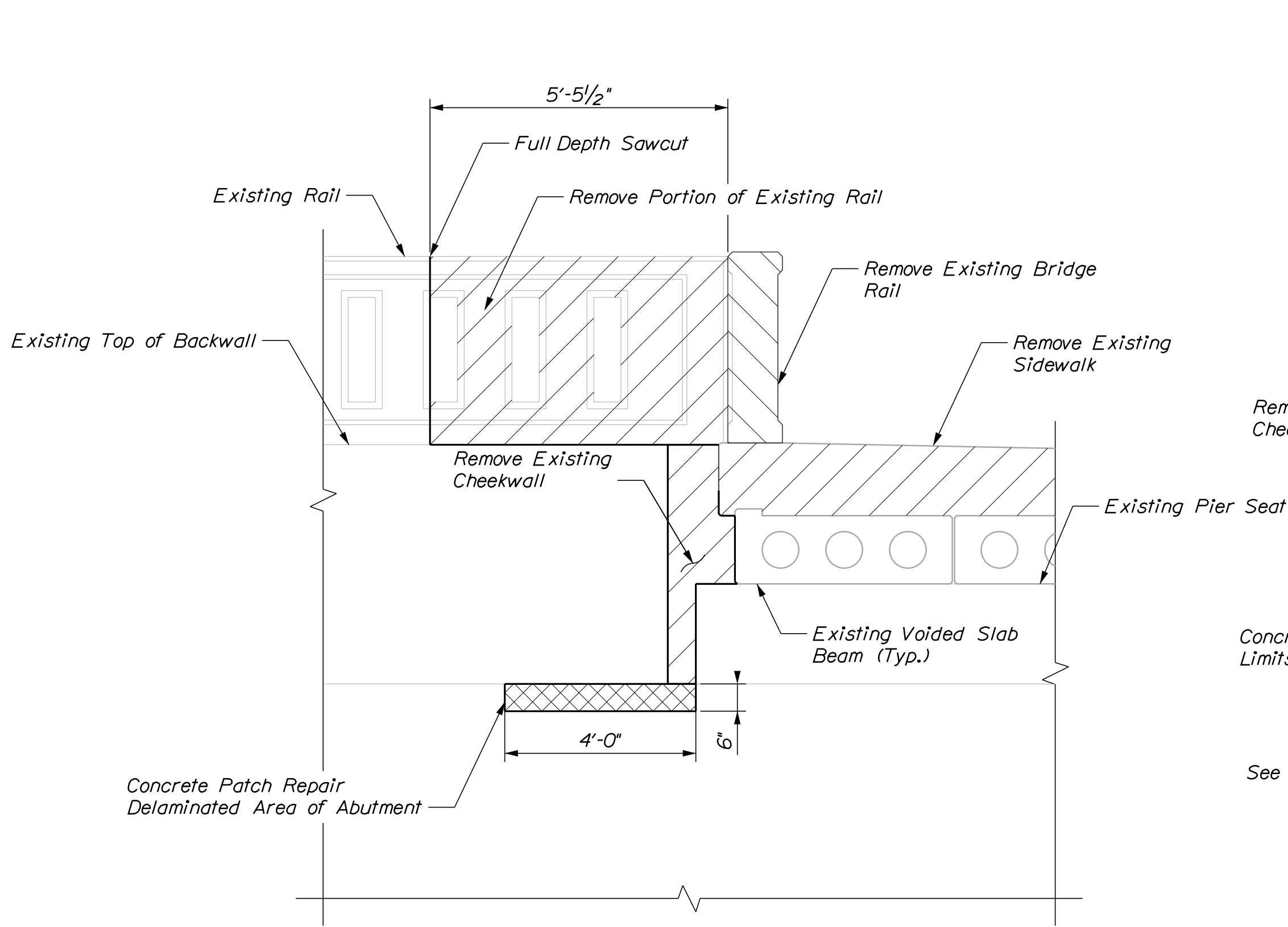


DETAIL A

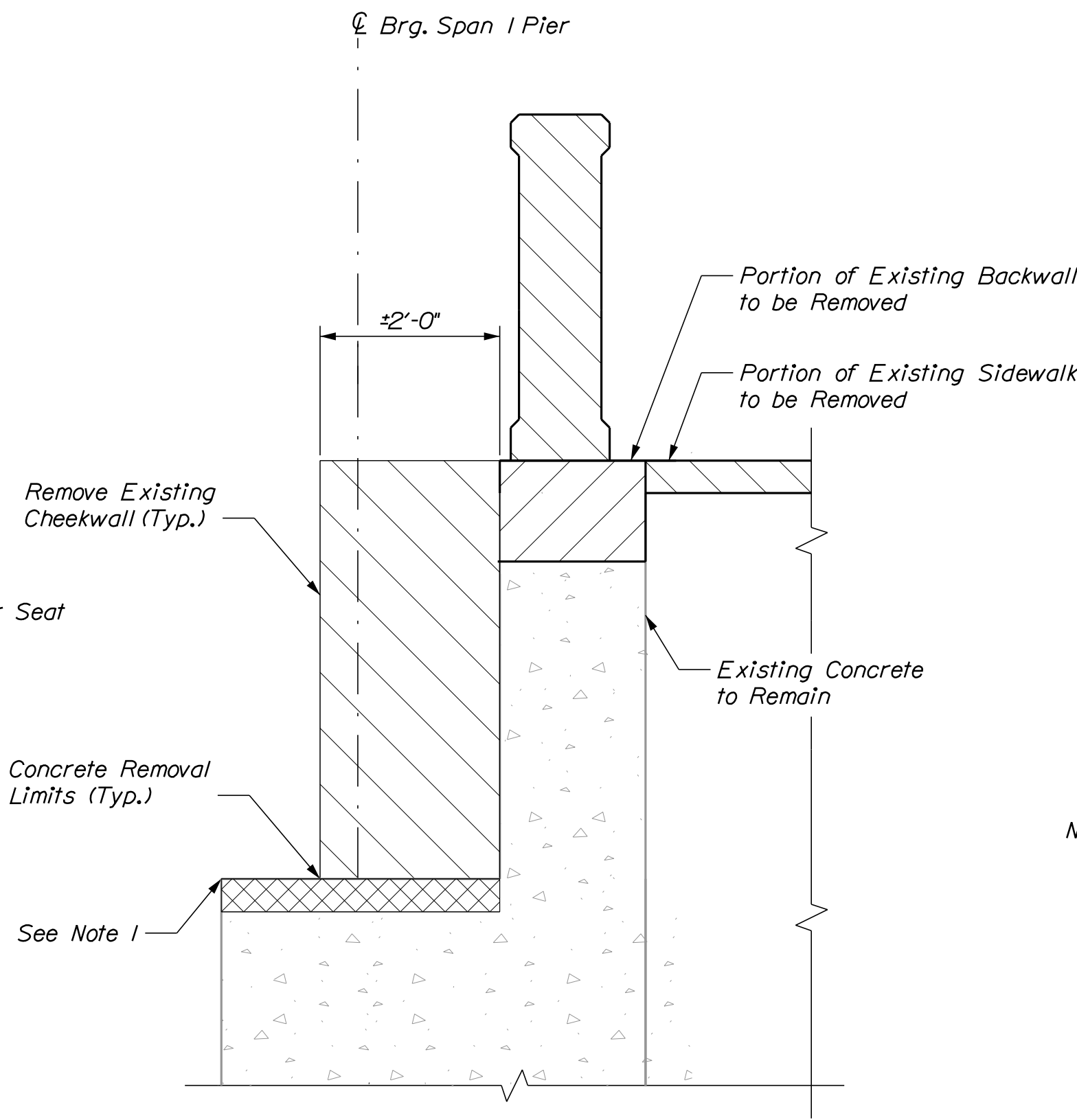
SHEET NOTES:

1. The anchoring material shall be one of the products listed on the Maine Department of Transportation List of Prequalified Type 3 Anchoring Materials. Installation shall be in conformance with the Manufacturer's recommendations.
2. Reinforcing bar lengths and quantities for the Abutment No. 2 Extension shall be field verified and adjusted in accordance with Note 4 on Sheet 16I.
3. The location, dimensions, and condition of the existing retaining wall, stone masonry abutment, and bedrock at the Abutment No. 2 Extension are based on incomplete as-built information and assumed existing conditions. Where excavation for the proposed extension reveals conditions differing from those shown, including but not limited to wall batter, wall thickness, bedrock elevation, or unsound or deteriorated existing concrete, masonry, or rock, the Contractor shall stop work in that location and notify the Resident prior to proceeding.
4. Drilled hole locations, embedment depths, and dowel lengths for all dowels drilled and grouted into the existing retaining wall, stone masonry abutment, abutment cap, and bedrock at the Abutment No. 2 Extension are based on incomplete as-built information and assumed existing conditions. Where existing reinforcing, anchors, or other obstructions are encountered during drilling, or where the material at dowel installation locations is found unsound, deteriorated, or otherwise unsuitable, the Contractor shall stop work at that location and notify the Resident prior to proceeding.

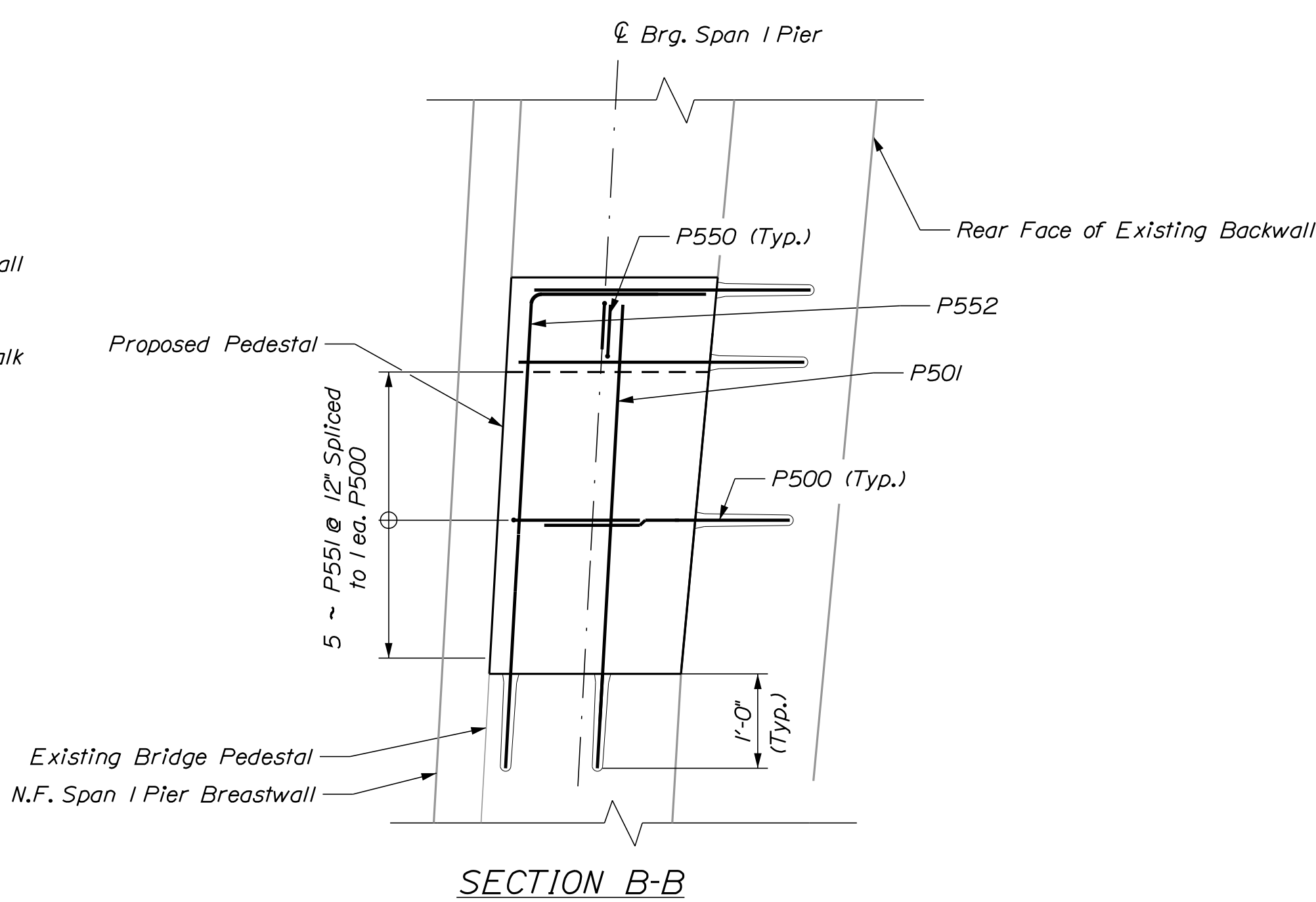
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	E. MARTIN	BY	DATE
	KJB	KJB		MJC	8/27/2026
				CTA	8/27/2026
	DESIGN-DETAILED				
	REVISIONS 1				
	REVISIONS 2				
	REVISIONS 3				
	REVISIONS 4				
	FIELD CHANGES				



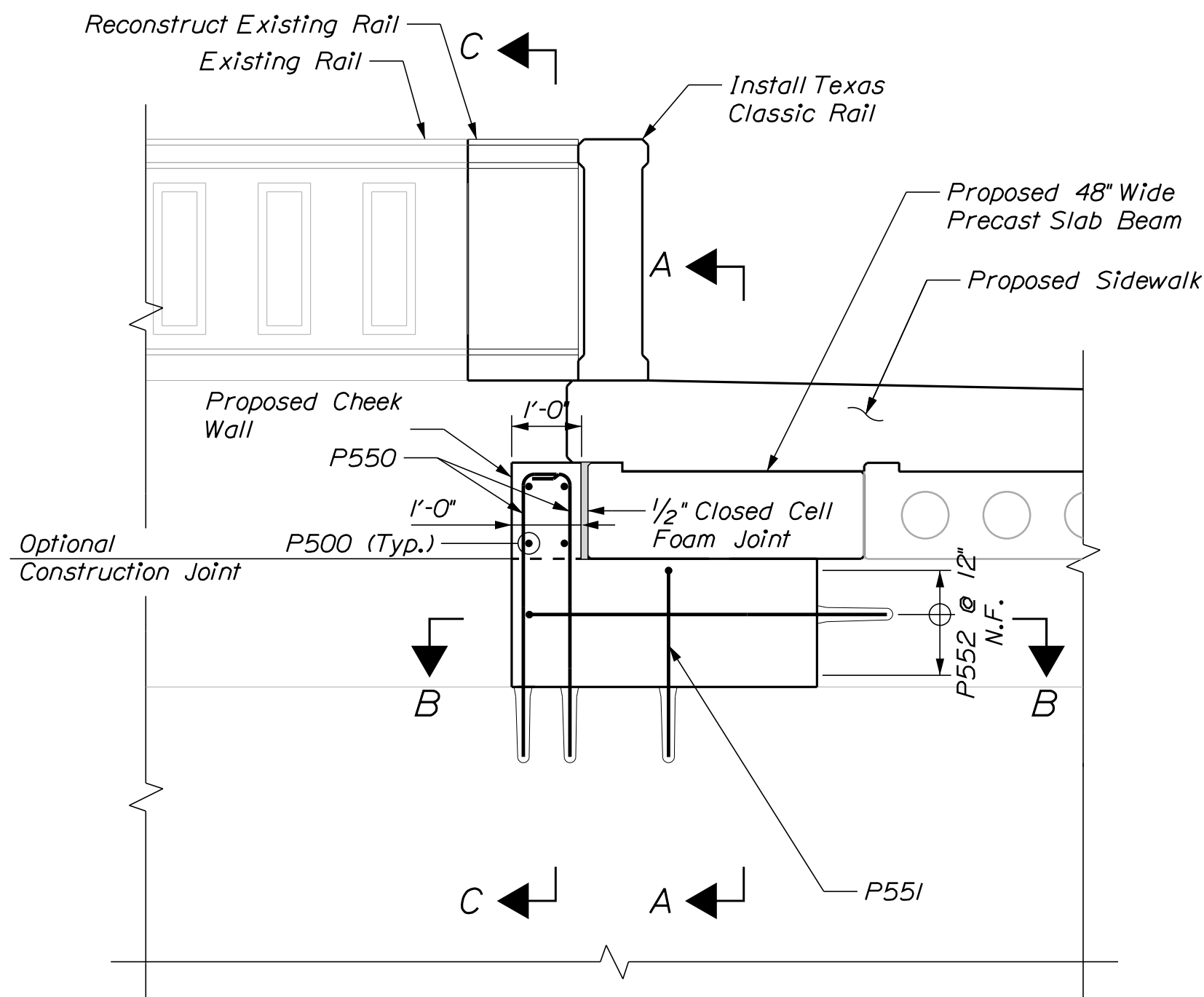
SPAN 1 PIER
REMOVAL ELEVATION



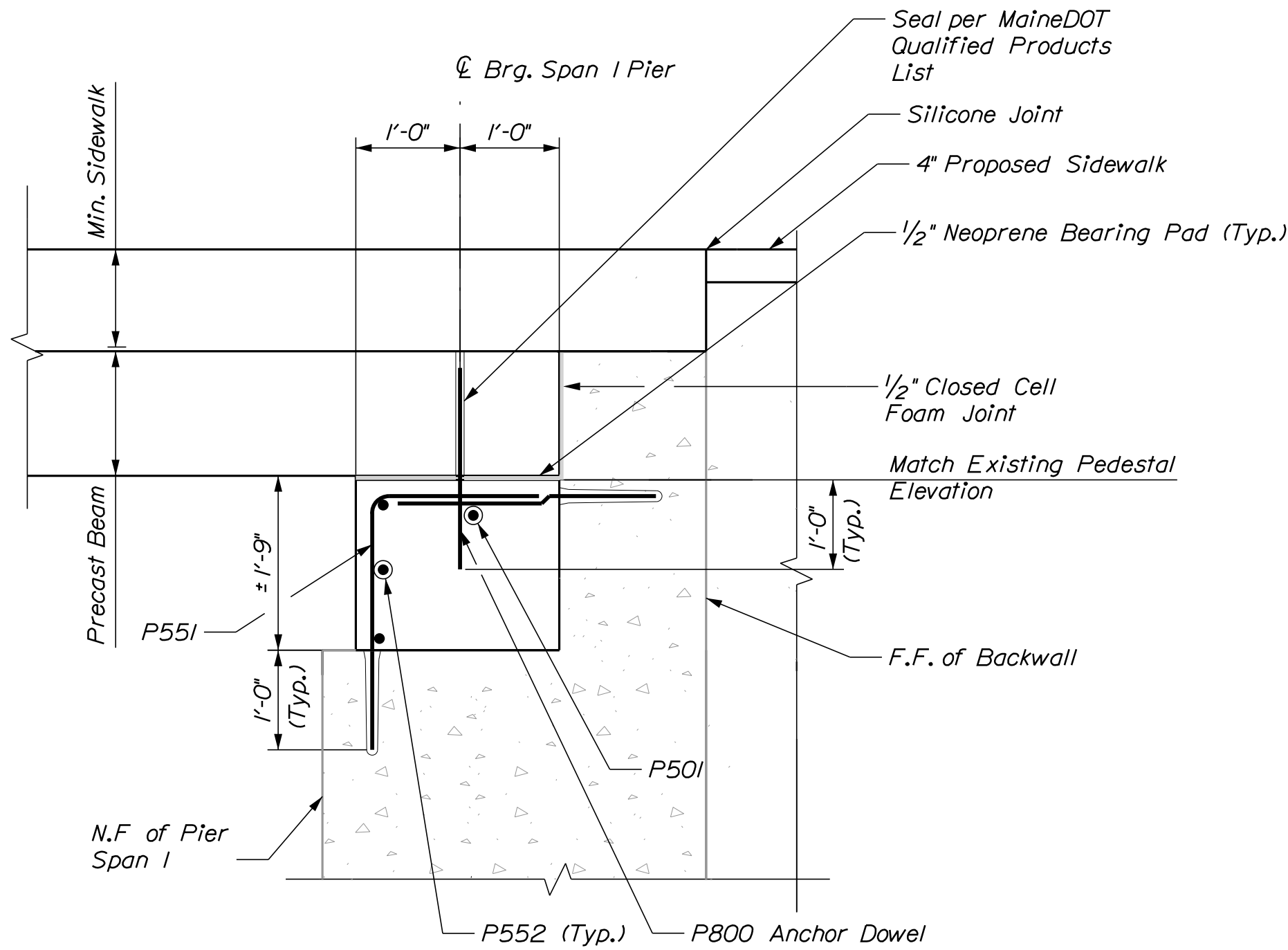
SPAN 1 PIER
EXISTING SECTION



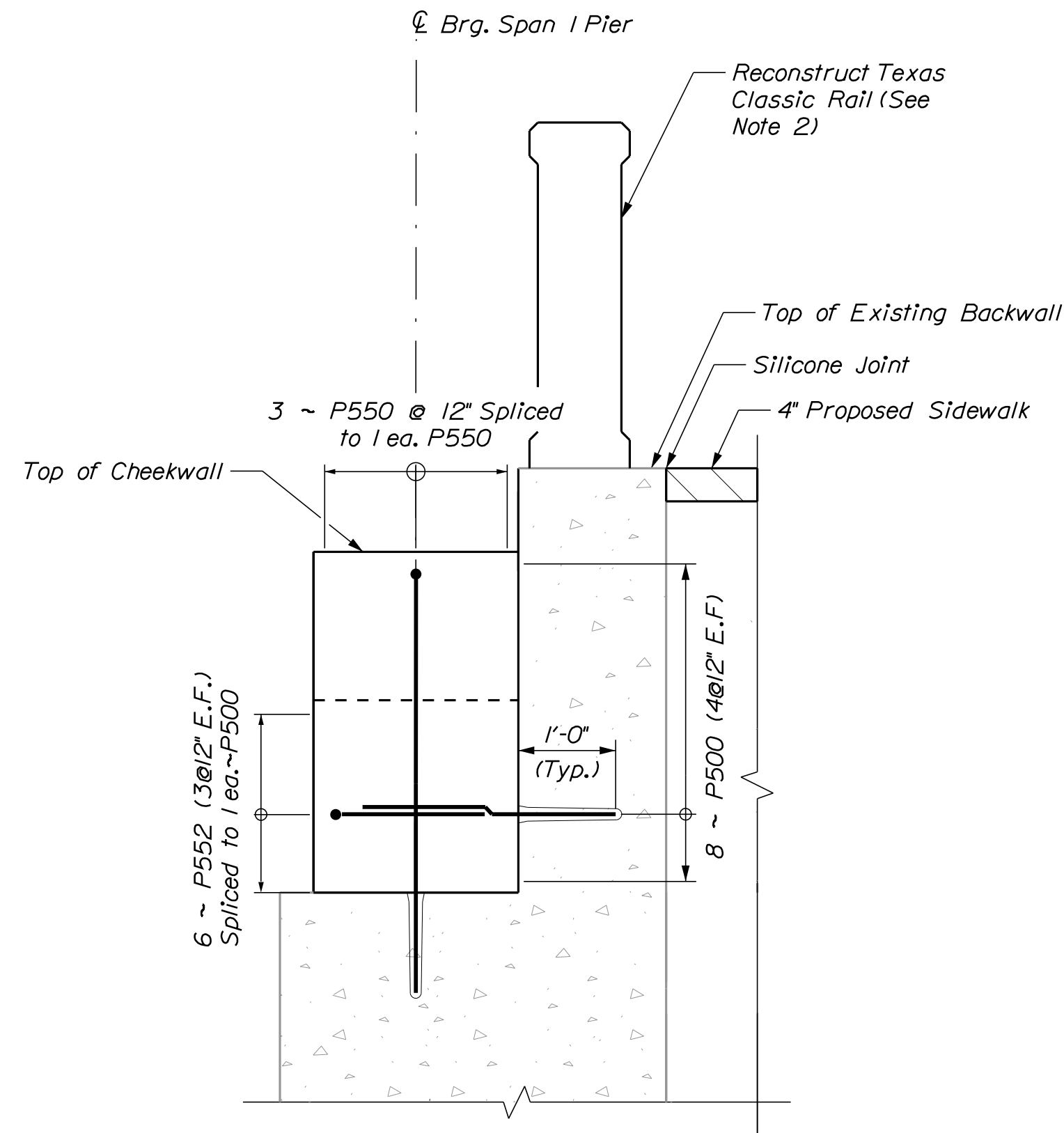
SECTION B-B



SPAN NO. 1 PIER
PROPOSED ELEVATION



SECTION A-A



SECTION C-C

SHEET NOTES:

1. Chip and remove all loose, unsound and deteriorated concrete from the bridge seat within the limits shown, to a depth of 3" minimum and 6" maximum.
2. See MaineDOT Standard Details 526(39) through 526(55) for Texas Classic Rail details.



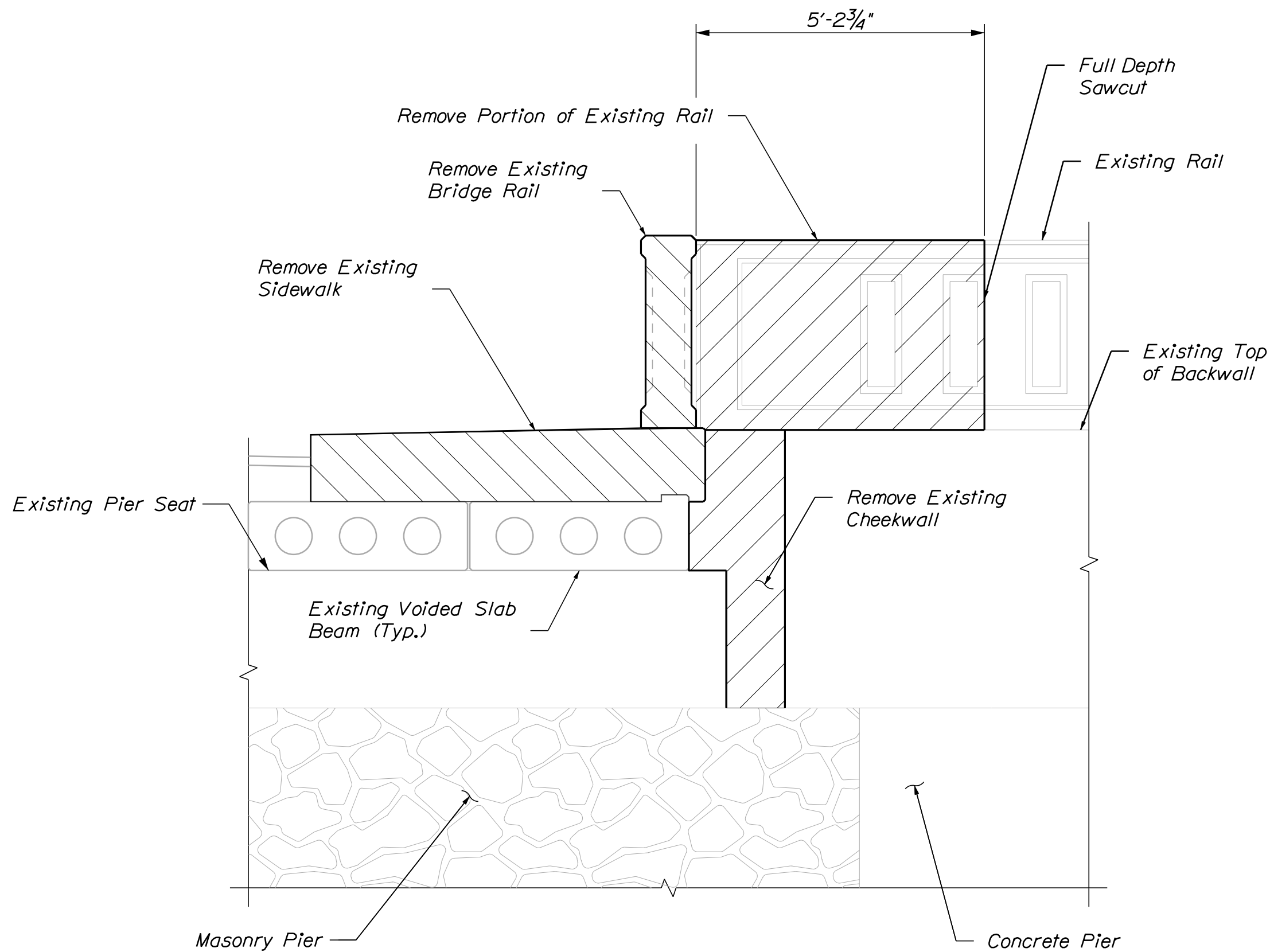
PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	MIC	8/27/2026
CHECKED-REVIEWED	KJB	8/27/2026
DESIGNED-DETAILED	CTA	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

Date: 8/27/2026

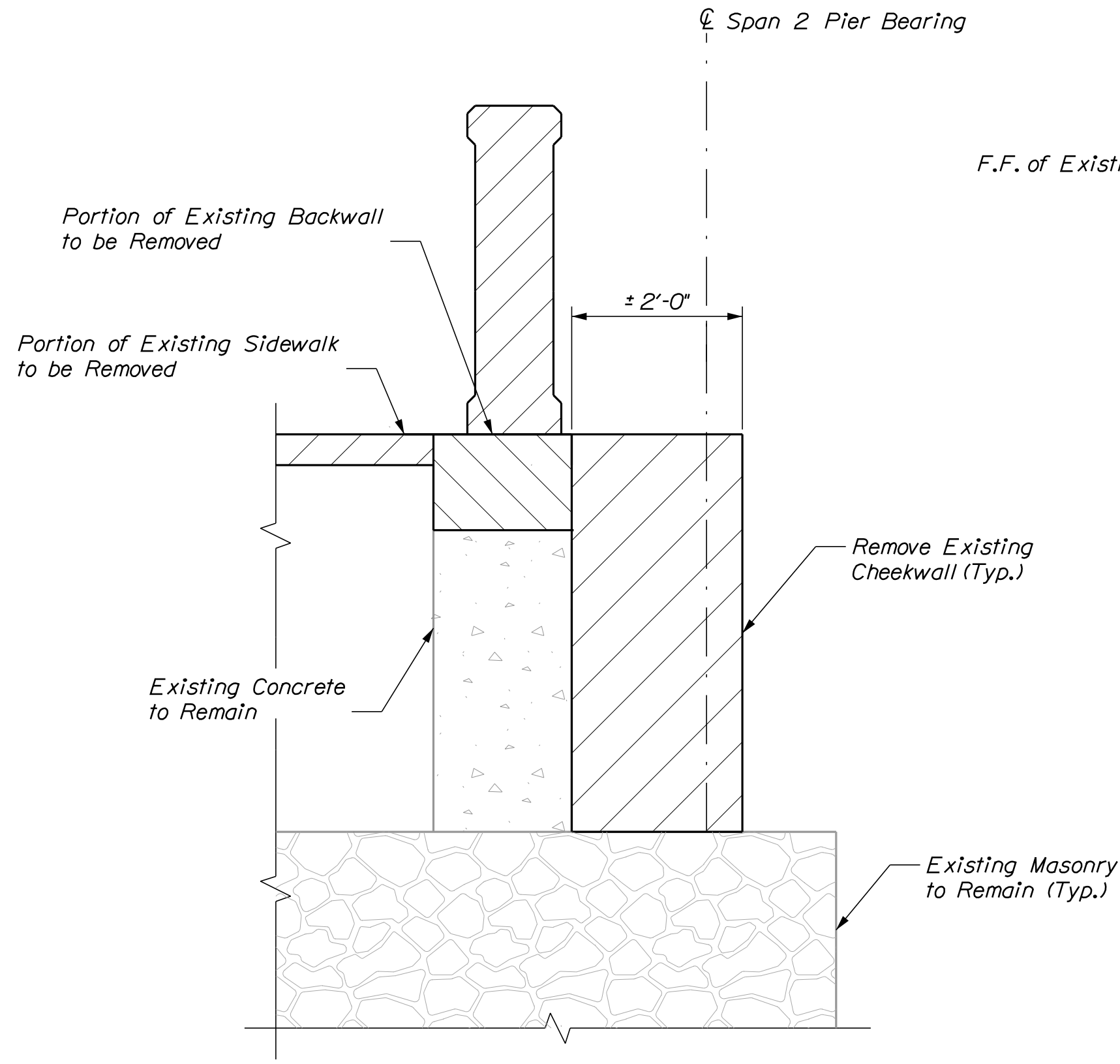
Username: jomedavis

Division: HIGHWAY

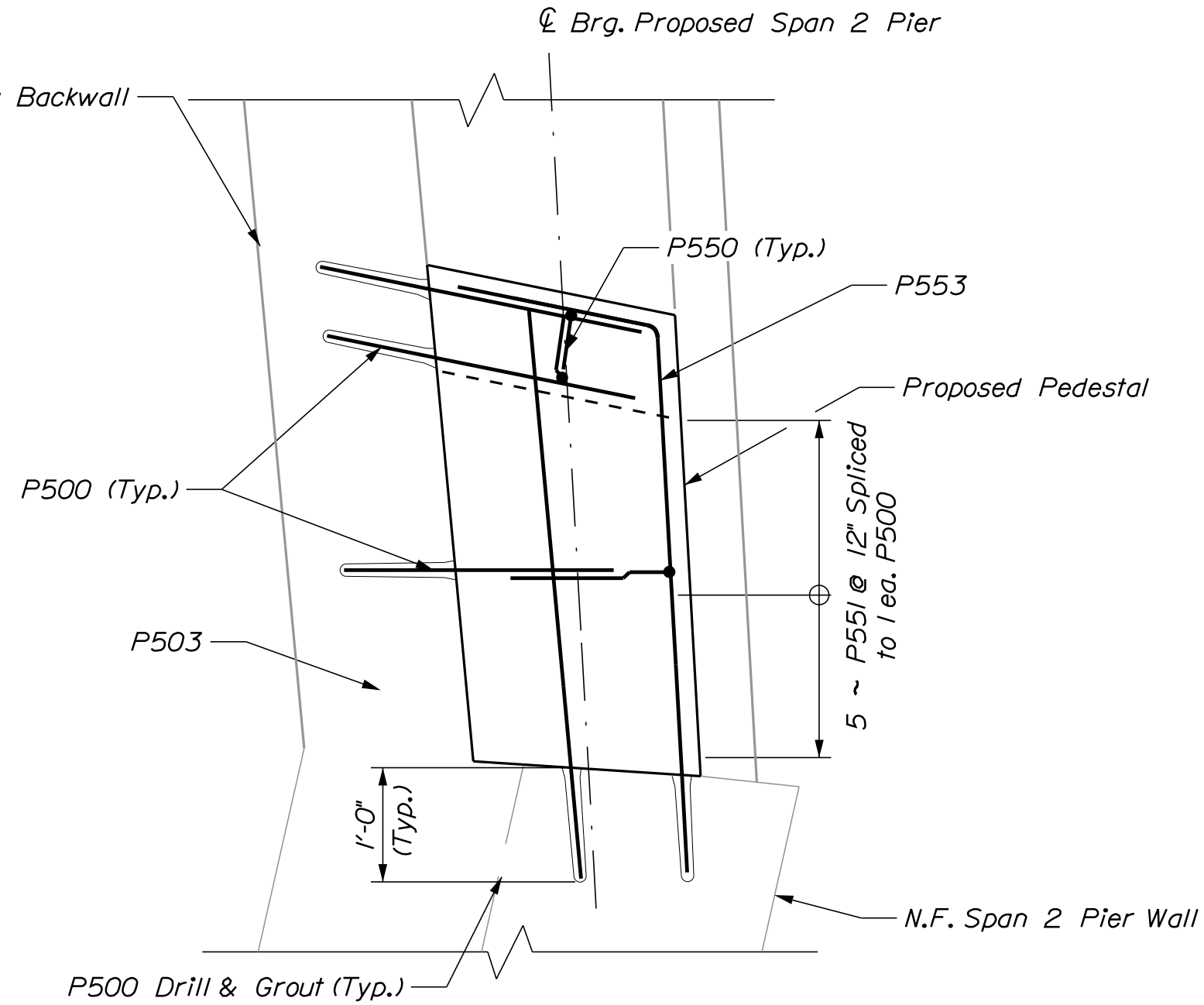
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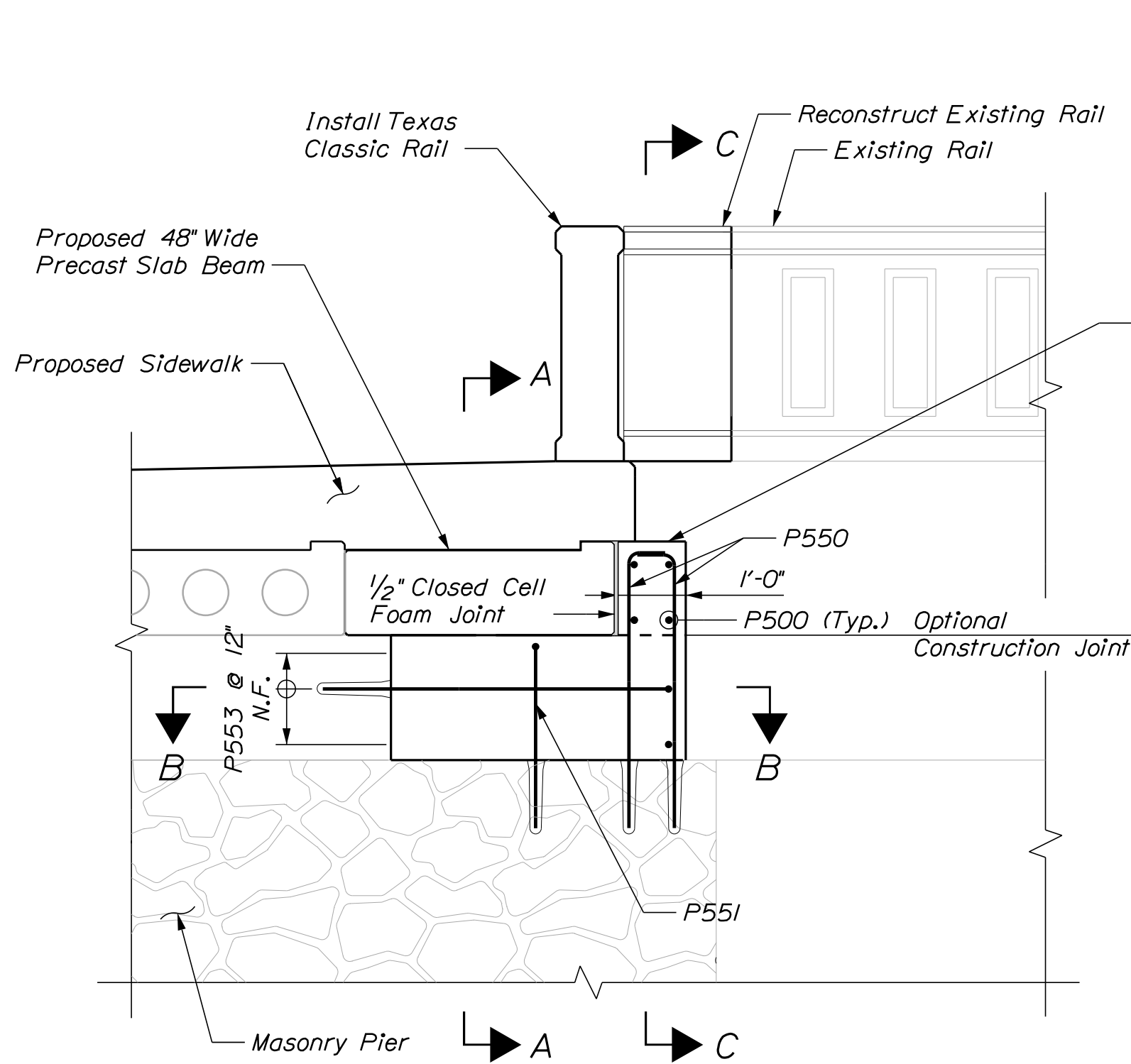
SPAN NO. 2 PIER
REMOVAL ELEVATION



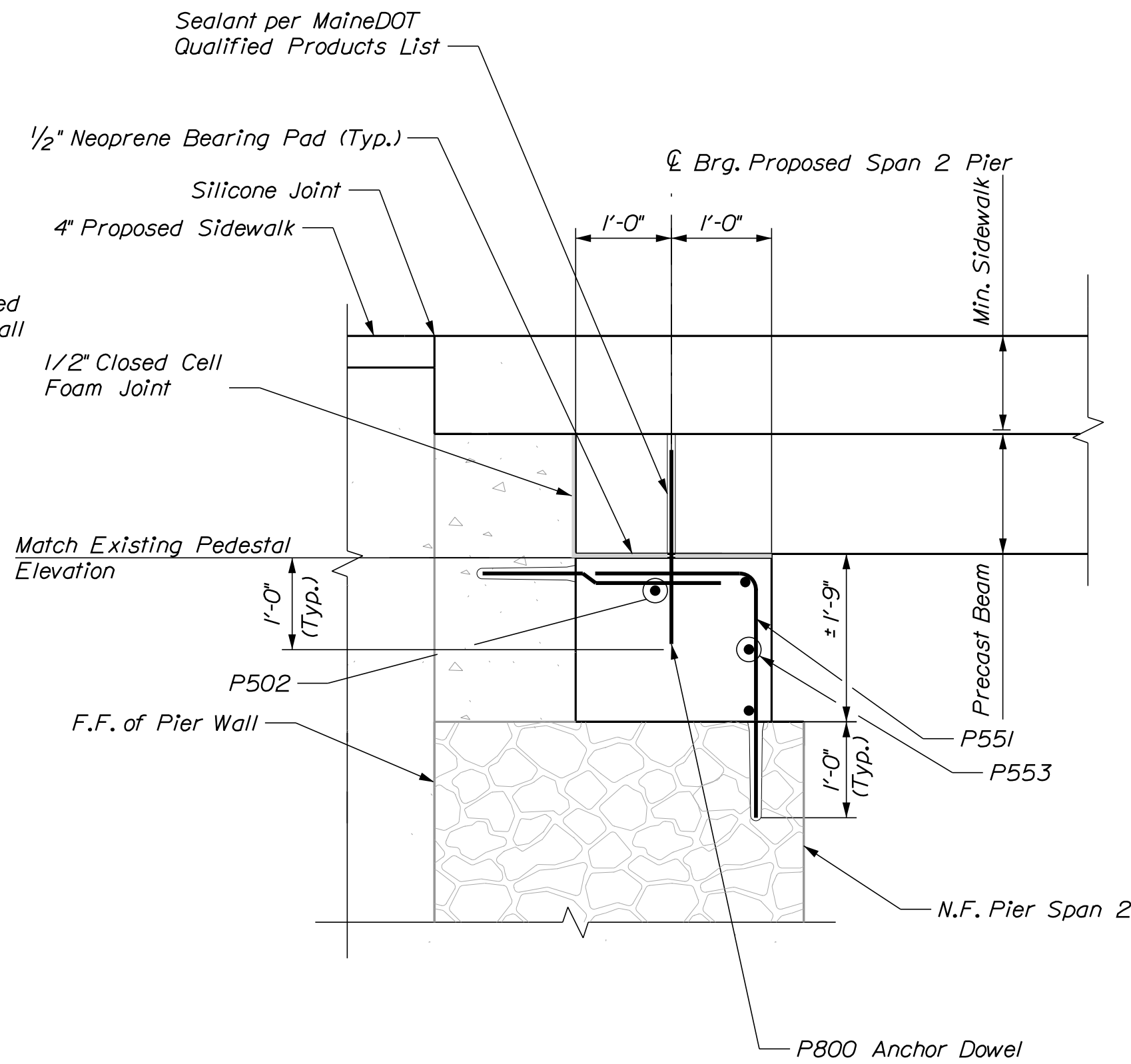
SPAN 2 PIER
EXISTING SECTION



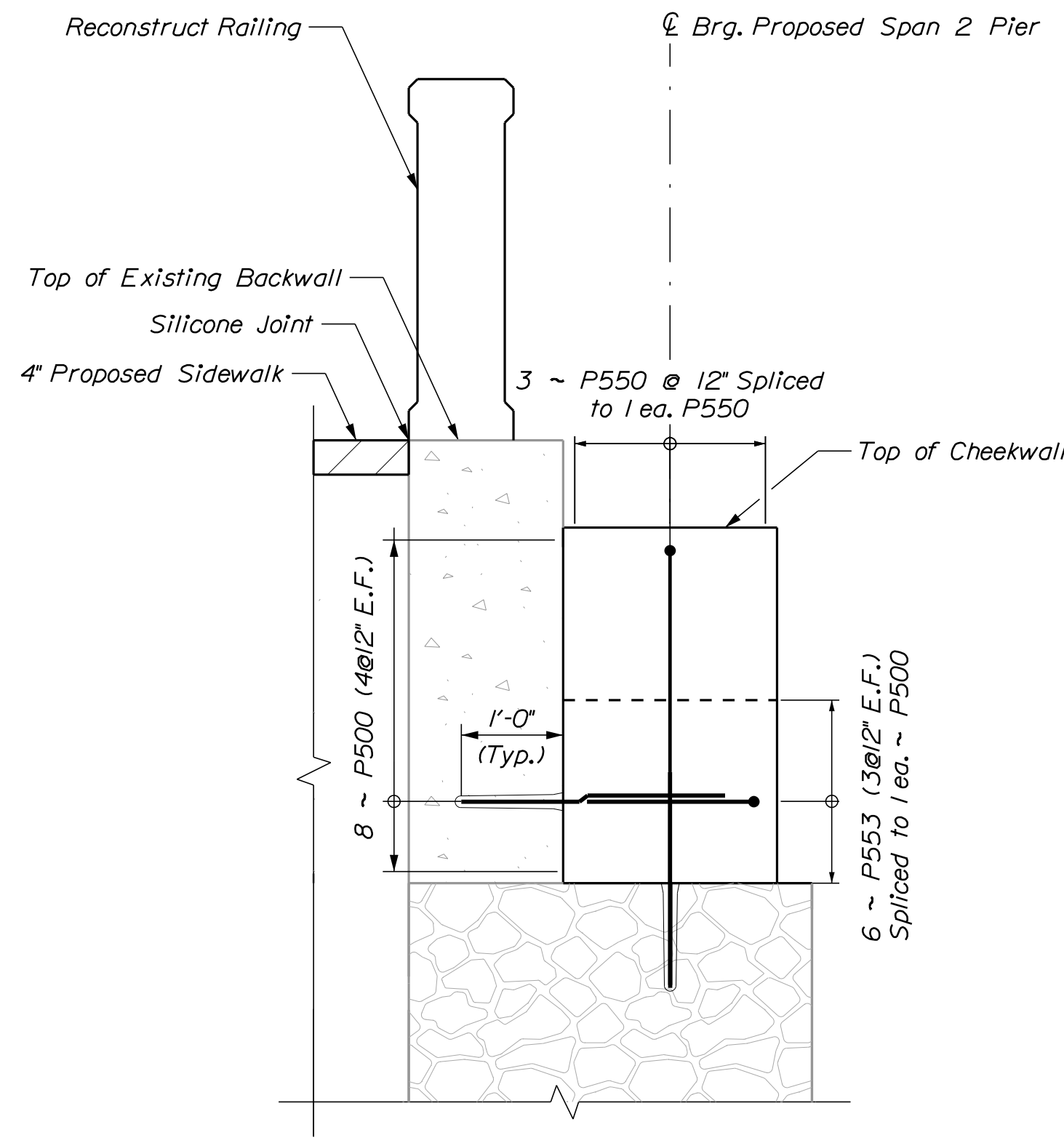
SECTION B-B



SPAN NO. 2 PIER
PROPOSED ELEVATION



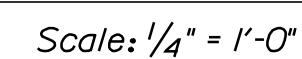
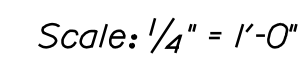
SECTION A-A



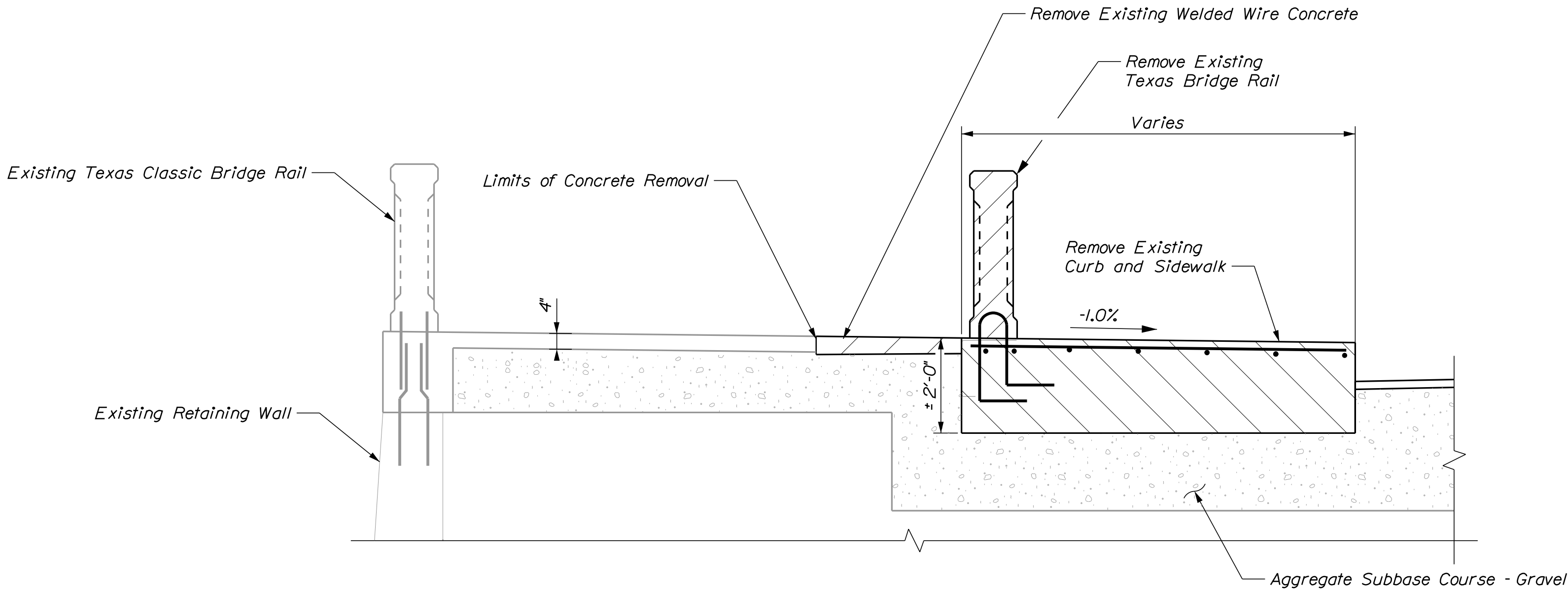
SECTION C-C



PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE
E. MARTIN	KJB	KJB	8/27/2026
	MIC	CTA	8/27/2026
	DESIGNS-DETAILED		
	DESIGNS-DETAILED		
	REVISIONS 1		
	REVISIONS 2		
	REVISIONS 3		
	REVISIONS 4		
	FIELD CHANGES		

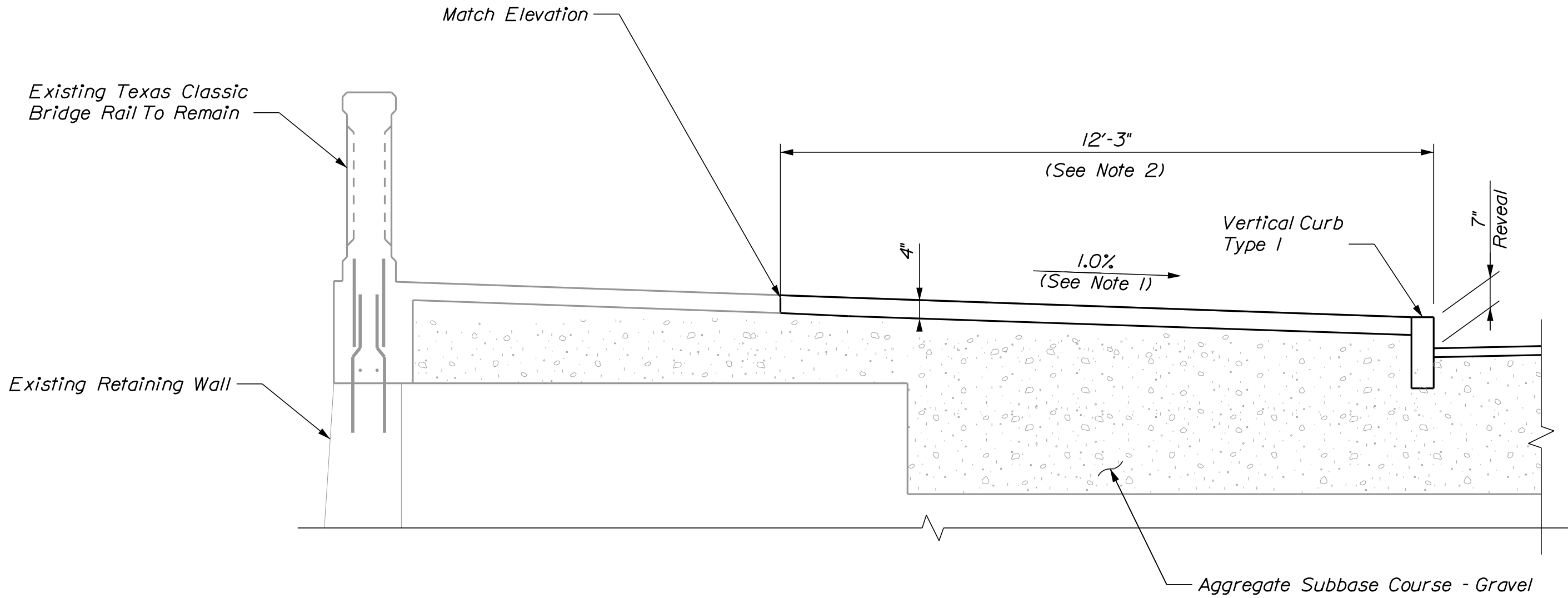


1. See MaineDOT Standard Detail 526(39) through 526(55) for Texas Classic Rail details.



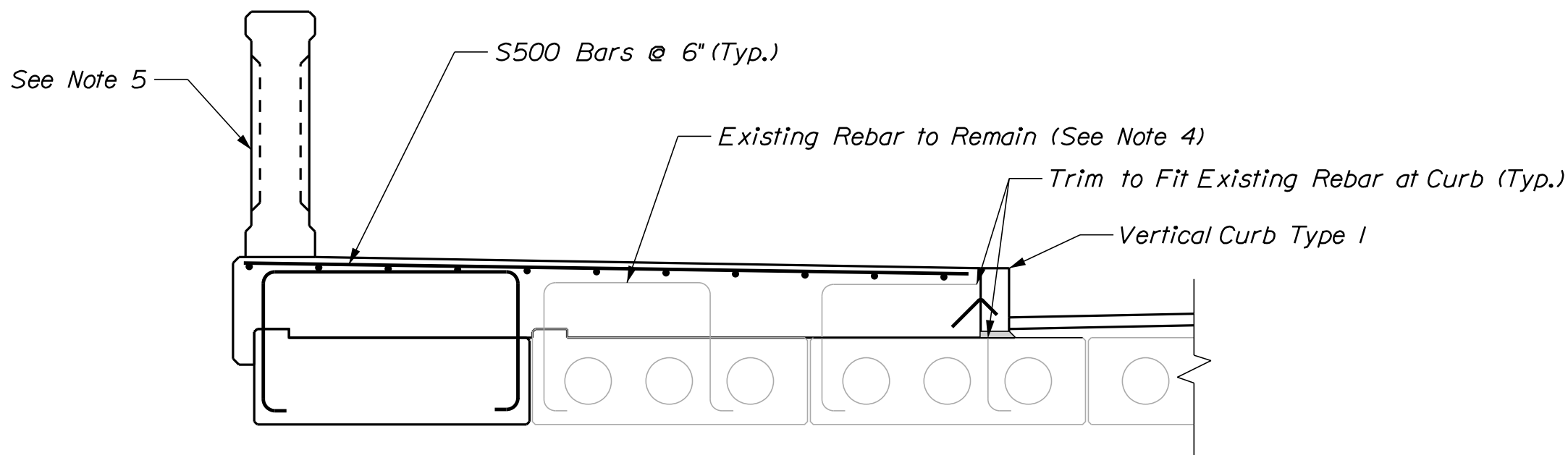
EXISTING SIDEWALK AT PIER

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



PROPOSED SIDEWALK AT PIER

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



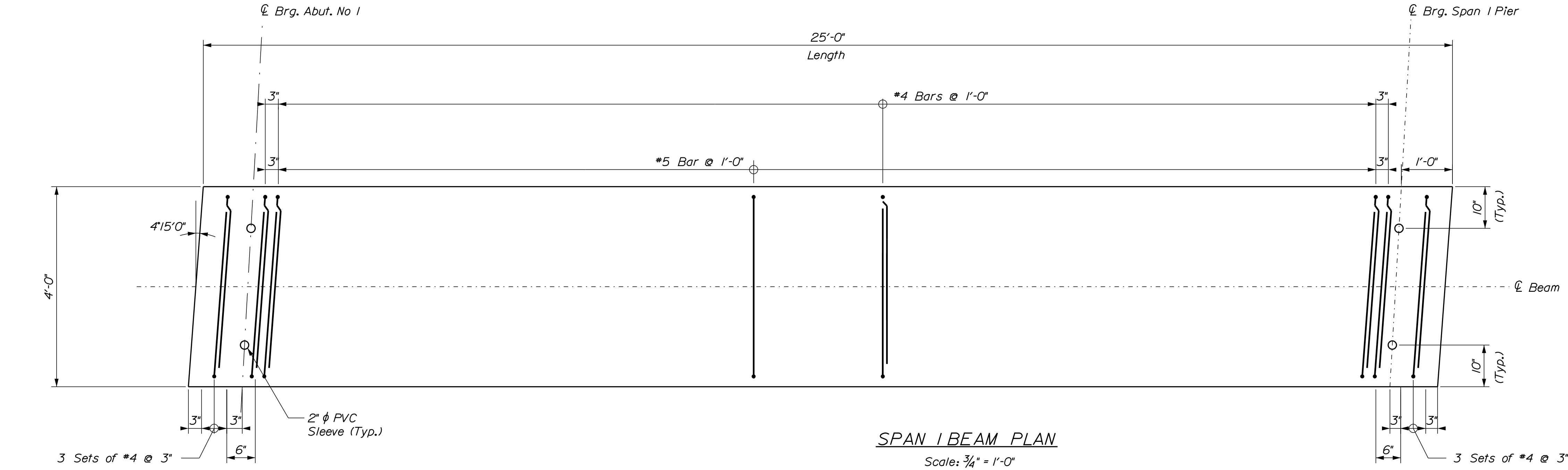
PROPOSED SIDEWALK AT SPANS 1 & 2

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

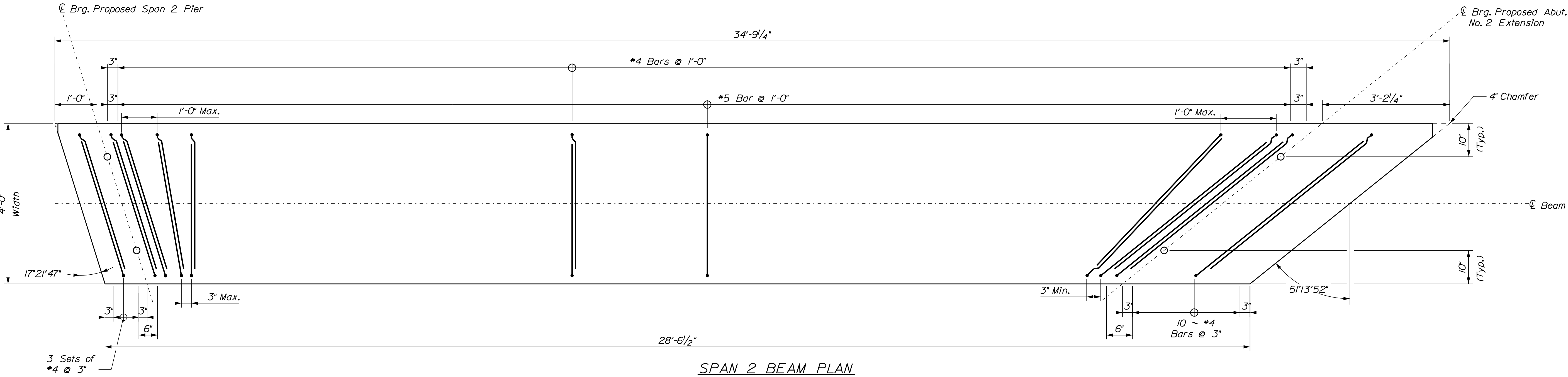
SHEET NOTES:

1. Warp to match existing island slab. Required minimum slope is 0.5%.
2. The Contractor shall verify the tie in location based on existing and proposed grades. The Contractor shall notify the Engineer if a change in tie in location is required in order to maintain a minimum 0.5% slope.
3. See Standard Detail 608(01) for sidewalk reinforcing.
4. The Contractor shall take care during demolition to preserve the integrity of existing reinforcement to remain. Any existing reinforcement to remain that is damaged to a degree deemed unusable by the Resident shall be repaired or replaced at no cost to the Town. Reinforcing steel that is to be exposed and reused shall be cleaned of loose debris by a method approved by the Resident. Payment shall be incidental related Contract Items.
5. See MaineDOT Standard Detail 526(39) through 526(55) for Texas Classic Rail details.

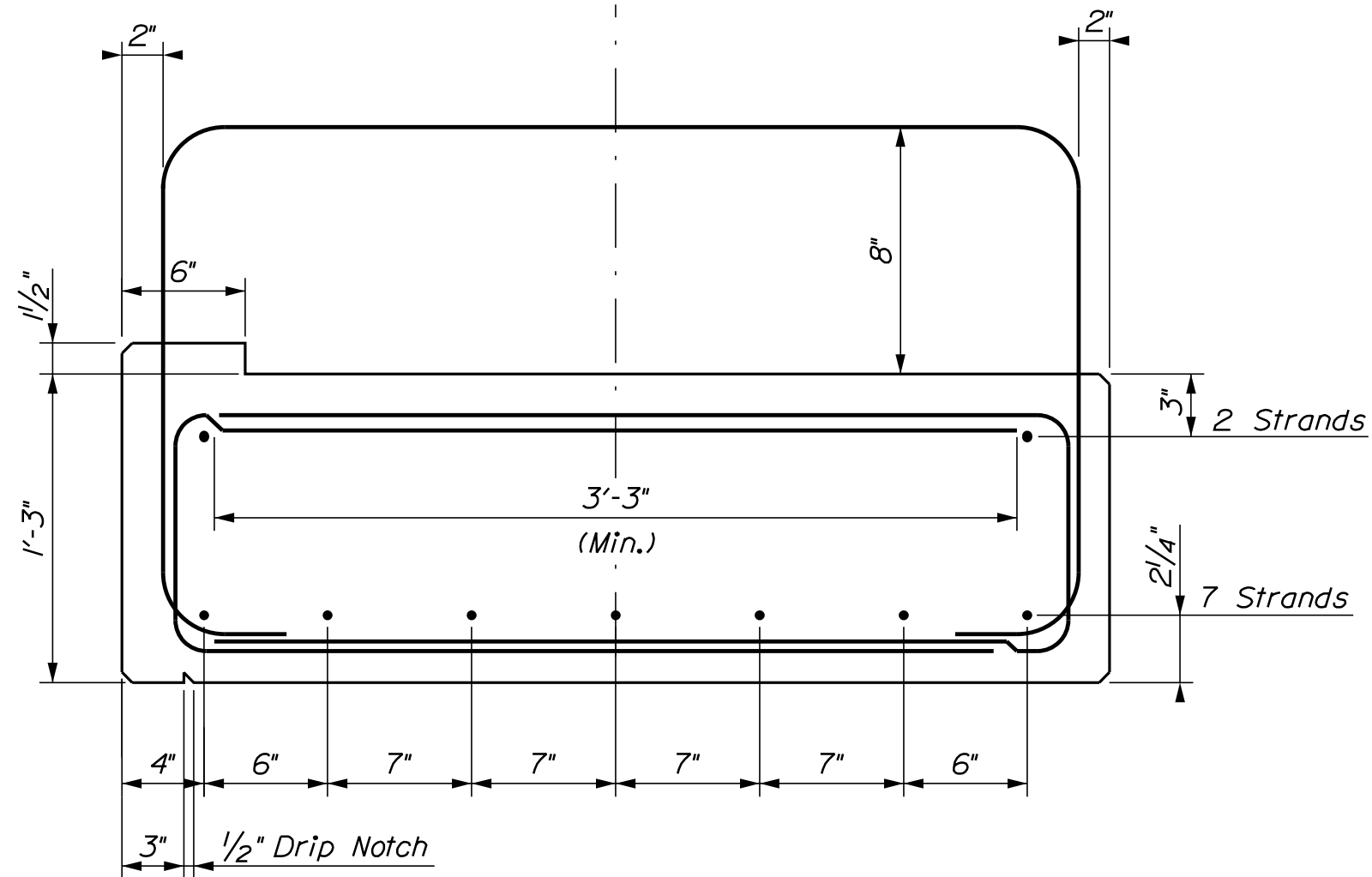
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	CAPITAL PROJECTS		WIN 024395.01	HIGHWAY PLANS
				
PROJ. MANAGER	E. MARTIN	BY	DATE	
DESIGN-DETAILED	KJB	MJC	8/27/2026	
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DESIGN-DETAILED				
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REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				
SANFORD WASHINGTON STREET BRIDGE				
BRIDGE SIDEWALK SECTIONS				
SHEET NUMBER				
171				
OF 195				



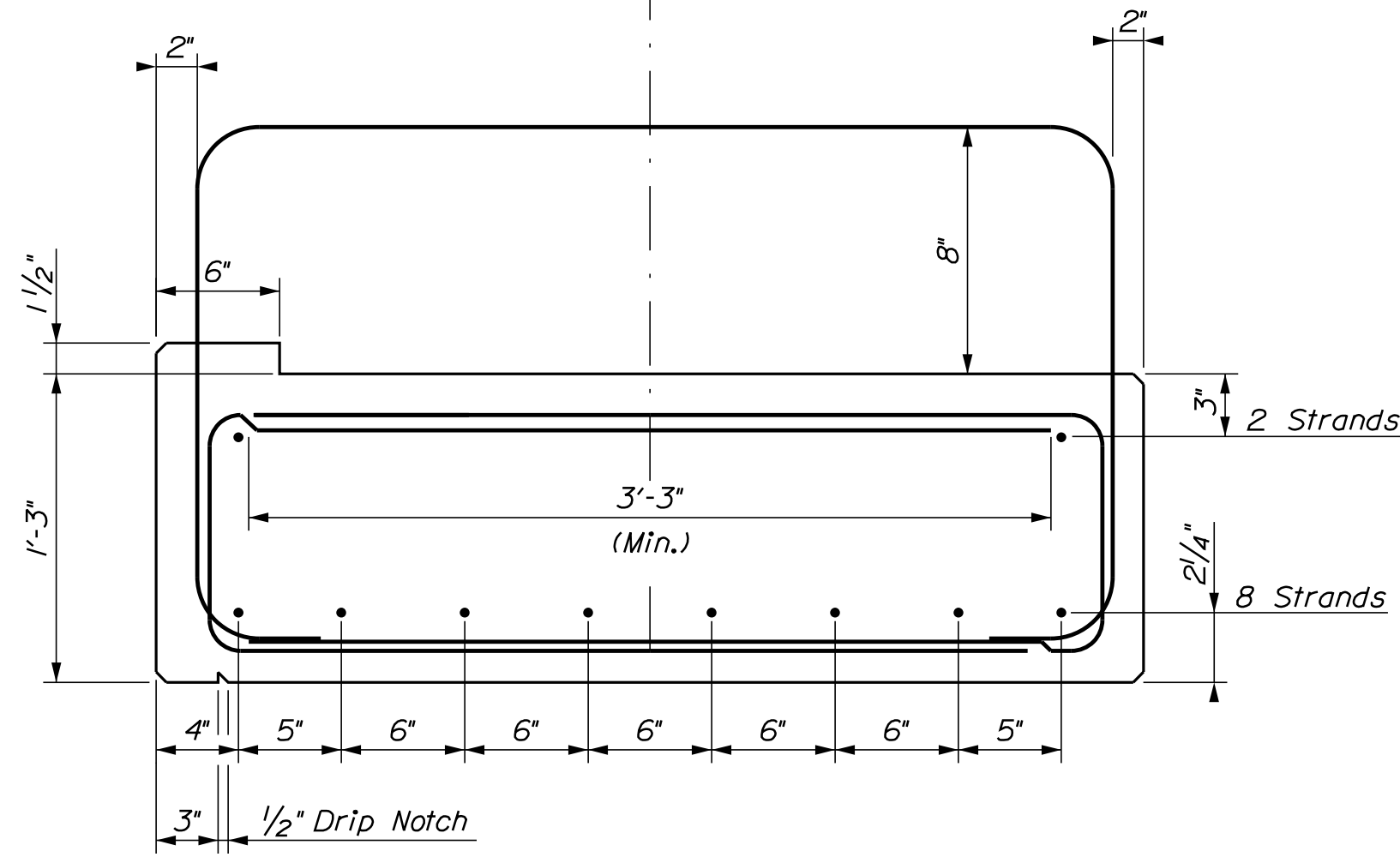
SPAN 1 BEAM PLAN
Scale: 3/4" = 1'-0"



SPAN 2 BEAM PLAN
Scale: 3/4" = 1'-0"



SPAN 1 REINFORCING SECTION



SPAN 2 REINFORCING SECTION

- PRECAST CONCRETE BEAM NOTES:**
1. Prestressing strands shall be 0.6 inch diameter. The tensioning force is 47 kips per prestressing strand.
 2. The top surface of the prestressed beams shall be raked to a surface roughness of $\pm 1/4$ ".
 3. Do not drill holes or use powder actuated tools on the prestressed beams without the approval of the Fabrication Engineer.
 4. Reinforcing steel shall have a minimum concrete cover of 2" unless otherwise noted.
 5. Transverse post-tensioning is not required.
 6. All dimensions and details shall meet slab type S48-I5 per Standard Detail Section 535 unless otherwise noted.
 7. Lifting loops shall be a maximum of 2'-0" from beam end.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
024395.01
HIGHWAY PLANS

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE	BY
E. MARTIN	KJB	KJB	8/27/2026	BIM
			8/27/2026	CTA
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	REVISIONS 3			
	REVISIONS 4			
	FIELD CHANGES			

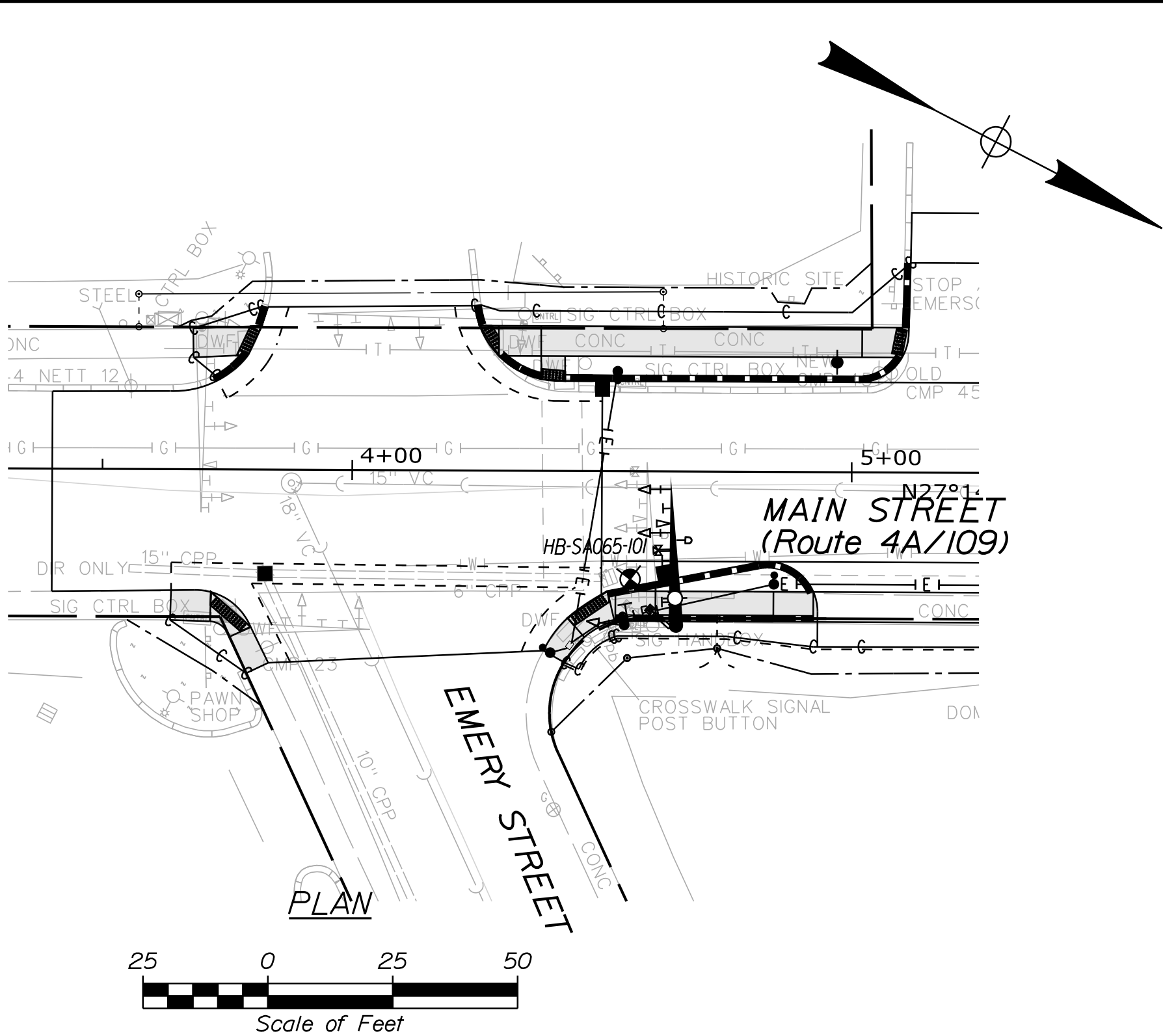
SANFORD
WASHINGTON STREET BRIDGE

BEAM DETAILS

SHEET NUMBER

172

OF 195



 BB-SA065-101 *Approximate location and designation of cased wash borings by MaineDOT*

1. All reinforcing steel is to be grade 60 and conform to MaineDOT Standard Specification requirements along with any project specific Supplementals or Special Provisions.
2. All rebar shall have 6" cover unless otherwise noted.
3. Should there be a discrepancy between these Details and actual observed field conditions report it to the Resident immediately.
4. Do not proceed with dependent work until any such discrepancy is resolved to the satisfaction of the Resident.
5. Concrete to be Class LP with $f'c = 5,000$ PSI.

6. Foundation sizes are designed based on estimated loading conditions and are subject to change based on the design of the above-ground components and the actual loading conditions at the top of each foundation submitted by the Contractor in accordance with Standard Specification Section 626.44. Any increase in foundation size based on the submitted loading conditions shall be paid for at the unit price bid by the Contractor. Any reduction in foundation size shall be to the benefit of the Department at the unit price bid by the Contractor.

Maine Department of Transportation				Project: Sanford Intersection Signals		Boring No.: HB-SA065-101						
Soil/Rock Exploration Log US CUSTOMARY UNITS				Location: Sanford, Maine		WIN: 24301.00						
Driller: MaineDOT		Elevation (ft.)		Auger ID/OD: 5" Dia.								
Operator: Daggett/Aaron/Niles		Datum: NAVD88		Sampler: Standard Split Spoon								
Logged By: B. Wilder		Rig Type: CME 45C		Hammer Wt./Fall: 140#/30"								
Date Start/Finish: 10/8/2019; 14:15-15:00		Drilling Method: Solid Stem Auger		Core Barrel: N/A								
Boring Location: TBD		Casing ID/OD: N/A		Water Level*: None Observed								
Hammer Efficiency Factor: 0.886				Hammer Type: Automatic ☒ Hydraulic ☐		Rope & Cathed ☐						
Definitions: D = Split Spoon Sample MD = Unsuccessful Split Spoon Sample Attempt U = Thin Wall Tube Sample MU = Unsuccessful Thin Wall Tube Sample Attempt V = Field Vane Shear Test, PP = Pocket Penetrometer MV = Unsuccessful Field Vane Shear Test Attempt				R = Rock Core Sample SSA = Solid Stem Auger HSA = Hollow Stem Auger RC = Roller Cone WCH = Weight of 140lb. Hammer WORUC = Weight of Rods or Casing WOLP = Weight of One Person		S_p = Peak/Remotized Field Vane Undrained Shear Strength (psf) S_{u(Lab)} = Lab Vane Undrained Shear Strength (psf) S_c = Uncorrected Compressive Strength (ksf) N = Uncorrected = Raw Field SPT N-value Hammer Efficiency Factor = Rip Specific Annual Calibration Value N_{gp} = SPT N uncorrected Corrected for Hammer Efficiency N_{gp} = Hammer Efficiency Factor(80%/N)uncorrected						
T_v = Pocket Torvane Shear Strength (psf) WC = Water Content, percent LL = Liquid Limit P_L = Plastic Limit PI = Plasticity Index G = Grain Size Analysis C = Consolidation Test												
Depth (ft.)	Sample No.	Pen/Rec. (in.)	Sample Depth (ft.)	Blows (6 ft. in.) Shear Strength or ROD (%)	N-uncorrected	N _{gp}	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.	
0	1D	24/16	1.00 - 3.00	3/4:4/3	8	12	SSA	-0.5		4" HMA. Brown, moist, loose, fine to coarse SAND, trace gravel, trace silt.	0.3	
5	2D	24/8	5.00 - 7.00	2/2:4/8	6	9		-8.5		Similar to above.	8.5	
10	3D	24/18	10.00 - 12.00	13/14:18/19	32	47		-12.0		Bottom of Exploration at 12.0 feet below ground surface. NO REFUSAL	12.0	
15												
20												
25												
Remarks:												
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.												
										Page 1 of 1		
Boring No.: HB-SA065-101												

		Drilled Shaft Dimensions				Reinforcing Steel			Spiral Bar Spacing		
		X _{ob}	X _{rs}	L _{ob}	L _{rs}	R1	R2	S1	D1 (in)	D2 (in)	D3 (in)
		Diameter Overburden (feet)	Diameter Rock Socket (feet)	Length Overburden (feet)	Length Rock Socket (feet)	Longitudinal Rebars Quantity	Longitudinal Rebars Size	Spiral Rebars Size	0 to 3 ft	3 ft to 2L/3 ft	2L/3 ft to tip
Mast Arm	Location										
C-M1	Emery Street and Main Street	3.0	N/A	15.0	N/A	12	#9	#5	4	4	12

Date: 05/15/2026

Username: mwelsh

Division: HIGHWAY

Filename: 55303.02-LI.dwg

LIGHTING LEGEND:

CONDUIT LABEL

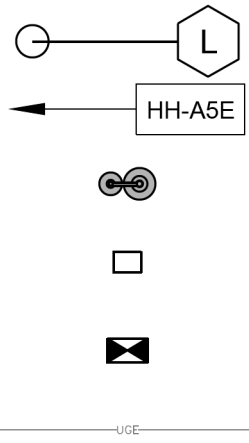
HANDHOLE LABEL

NEW POLE AND LUMINAIRE

NEW HANDHOLE (Junction Box)

SERVICE PEDESTAL

UNDERGROUND ELECTRIC



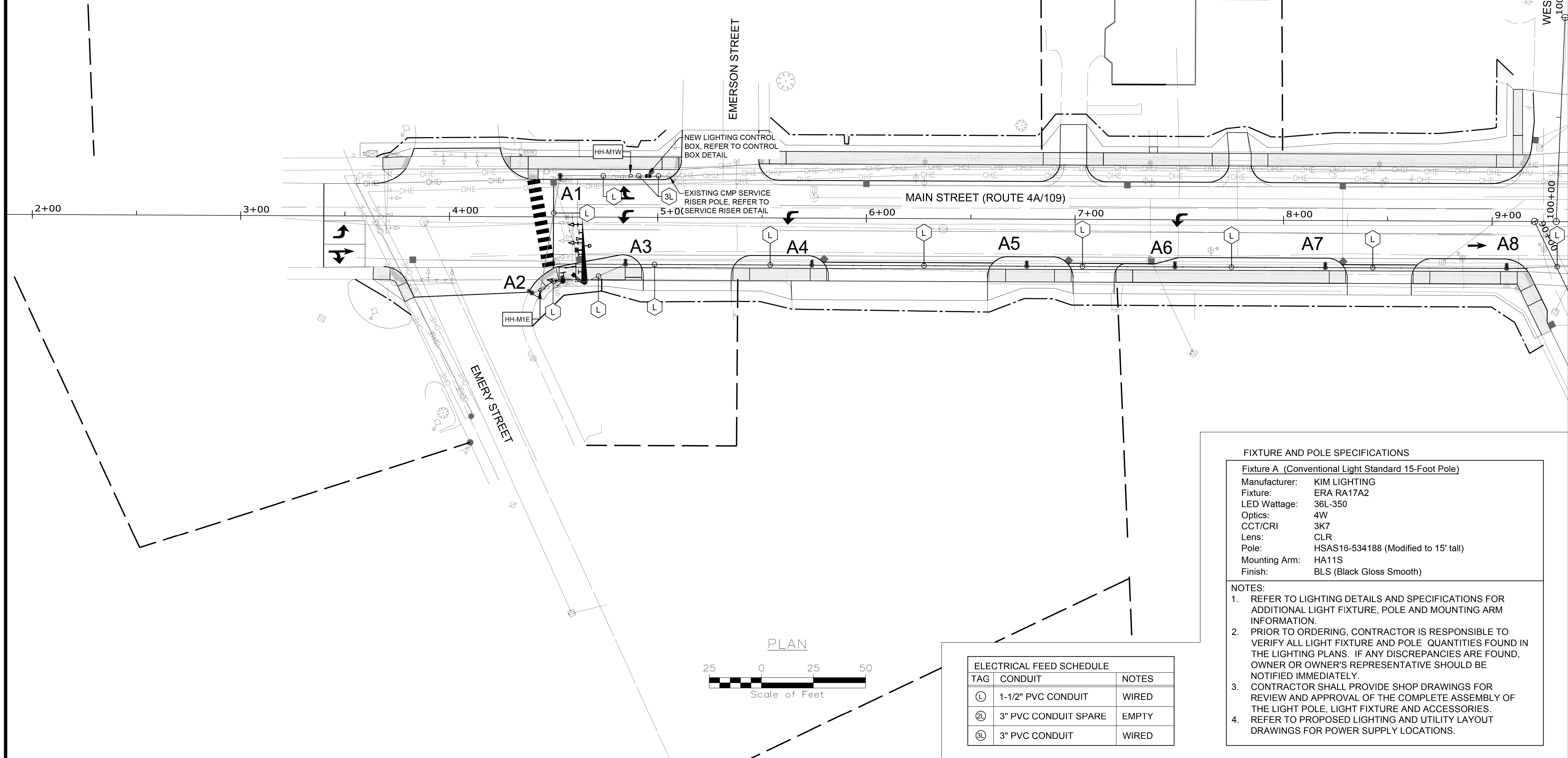
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CCT/CRI: 3K7
Lens: CLR
Pole: HSAS16-534188 (Modified to 15' tall)
Mounting Arm: HA11S
Finish: BLS (Black Gloss Smooth)

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PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	MJW	AC	7/29/2026
CHECKED-REVIEWED	ECF		
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

Date: 05/15/2026

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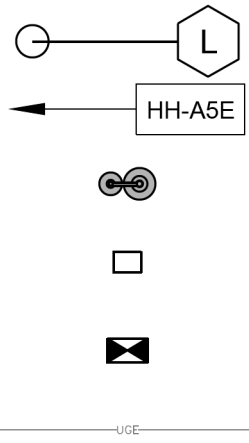
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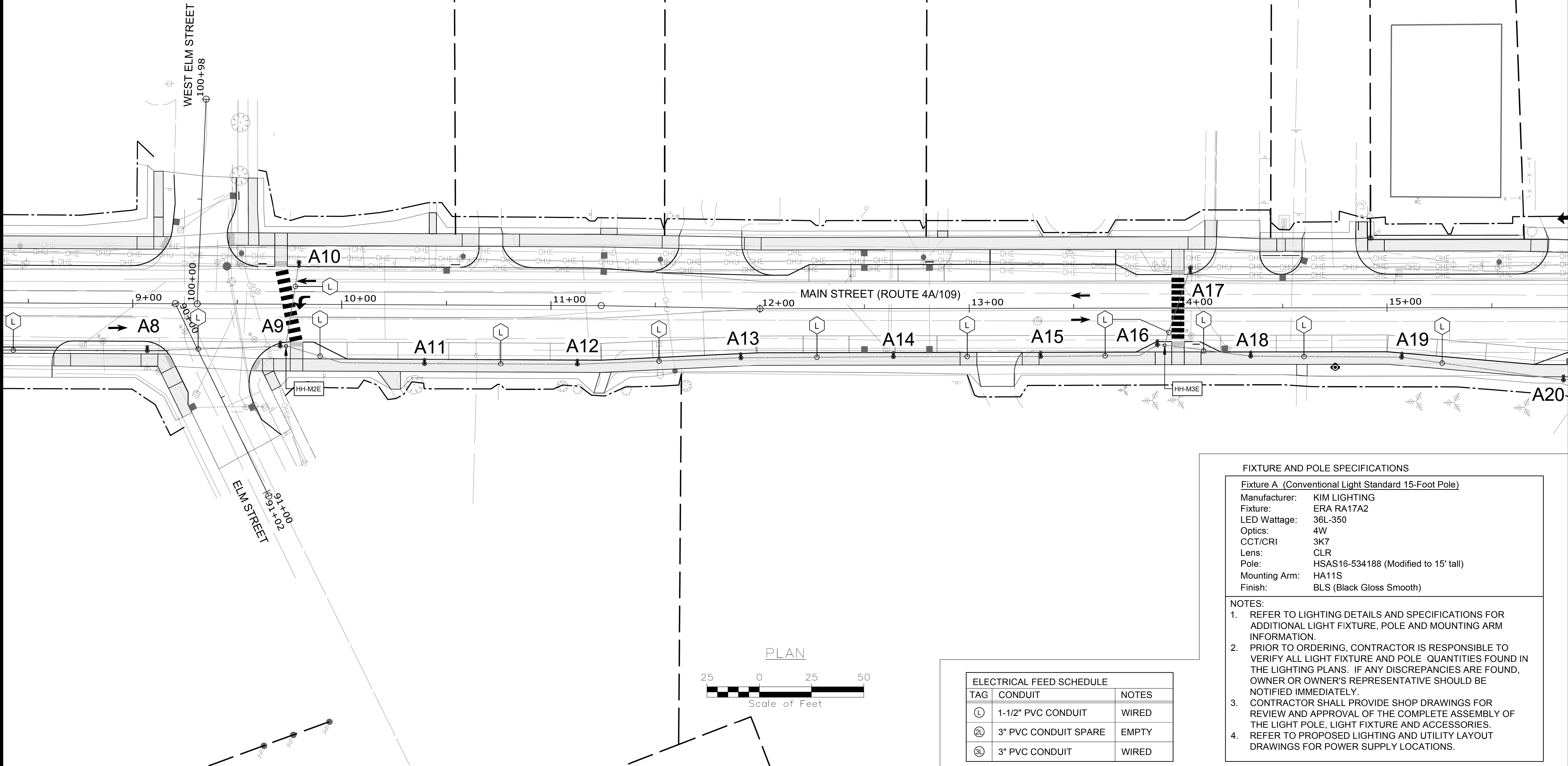
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
WIN
024395.01
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	MJW	MKW	7/29/2026
CHECKED-REVIEWED	ECF	AG	
DESIGN-DETAILED2			
DESIGN-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SANFORD
DOWNTOWN IMPROVEMENTS
LIGHTING PLANS

SHEET NUMBER
178
OF 195

Date: 05/15/2026

Username: mwelsh

Division: HIGHWAY

Filename: 55303.02-LI.dwg

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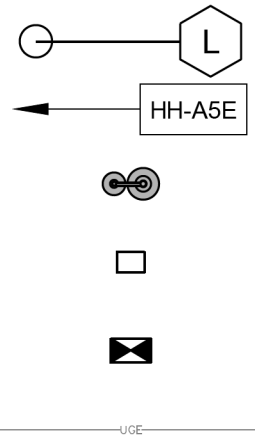
HANDHOLE LABEL

NEW POLE AND LUMINAIRE

NEW HANDHOLE (Junction Box)

SERVICE PEDESTAL

UNDERGROUND ELECTRIC

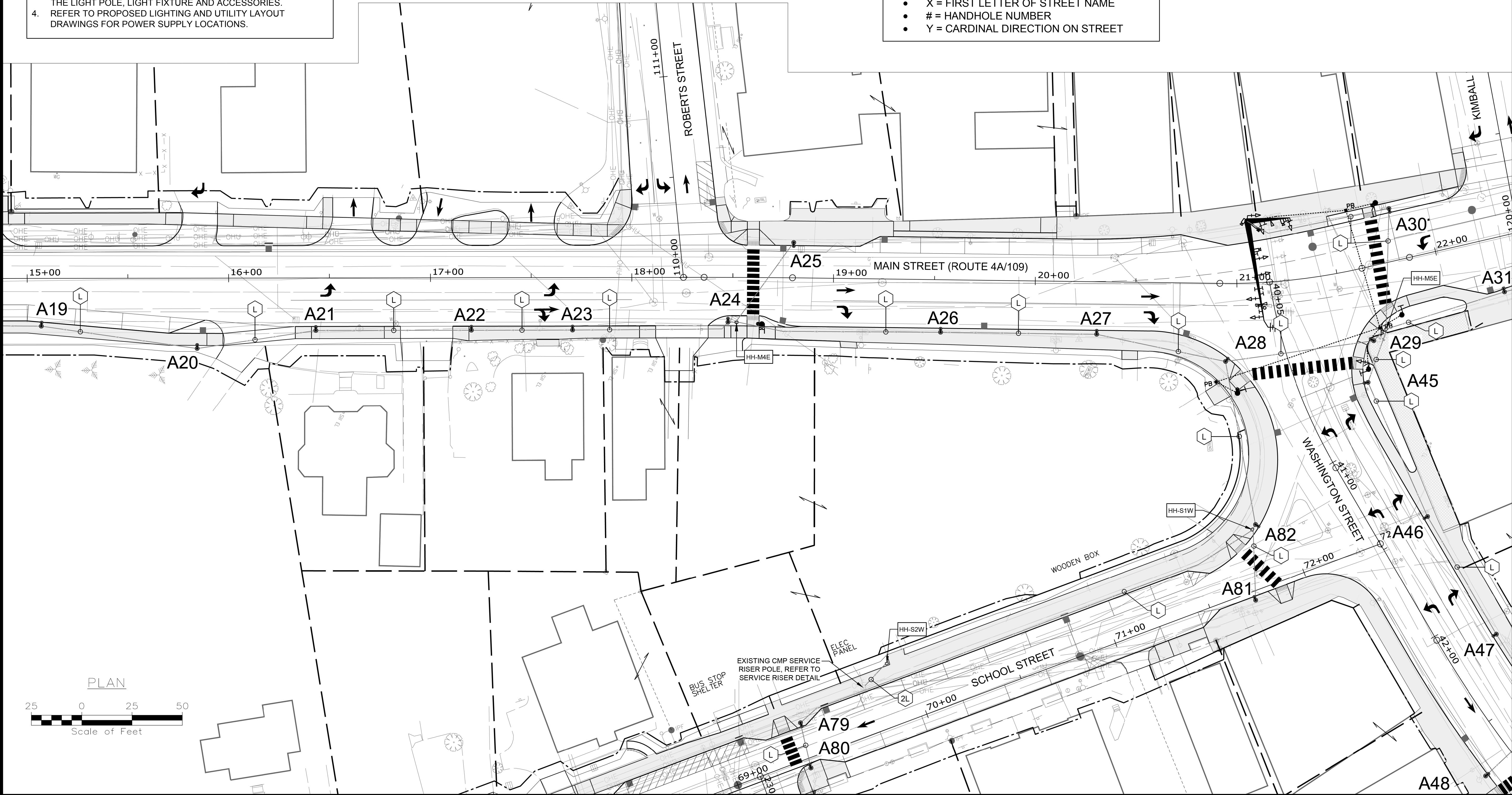
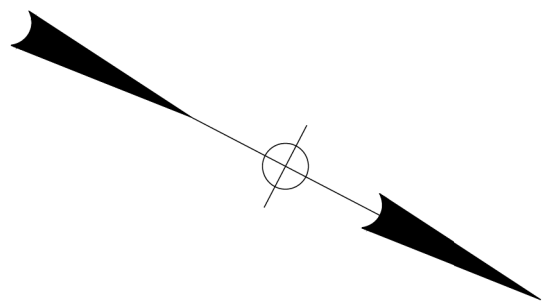


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PROJ. MANAGER	E. MARTIN	BY	DATE
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DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
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FIELD CHANGES			

Date: 05/15/2026

Username: mwelsh

Division: HIGHWAY

Filename: 55303.02-LI.dwg

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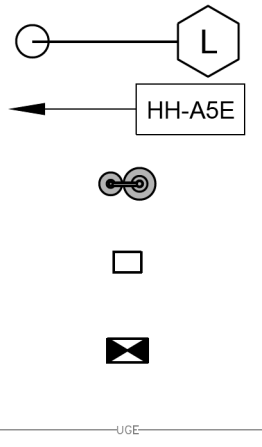
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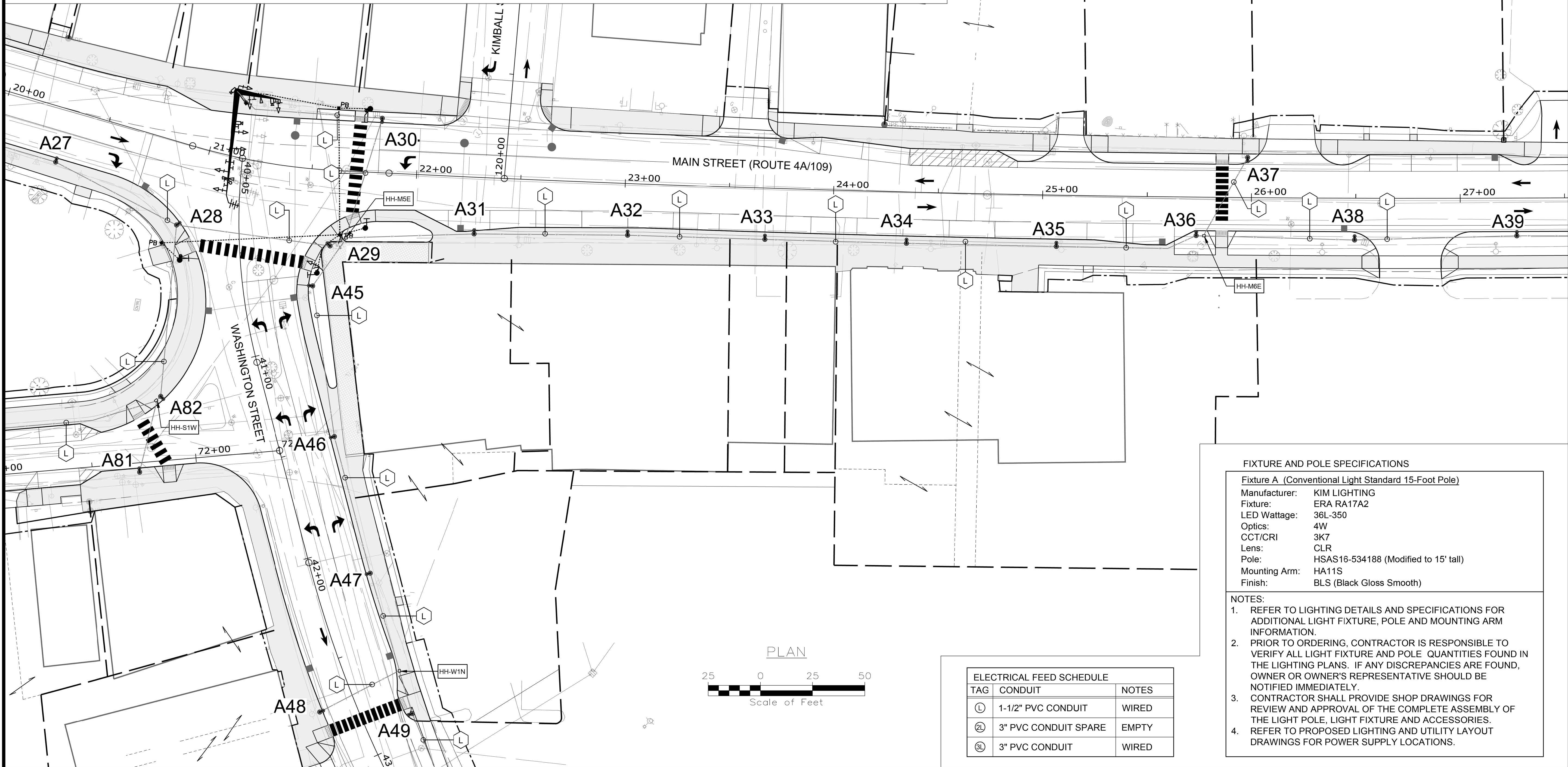
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FIELD CHANGES			

SANFORD
DOWNTOWN IMPROVEMENTS
LIGHTING PLANS

SHEET NUMBER

180

OF 195

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
WIN
024395.01
HIGHWAY PLANS

Date: 05/15/2026

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LIGHTING LEGEND:

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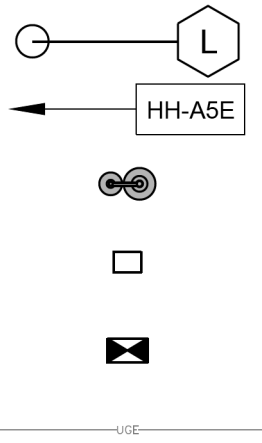
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NEW POLE AND LUMINAIRE

NEW HANDHOLE (Junction Box)

SERVICE PEDESTAL

UNDERGROUND ELECTRIC



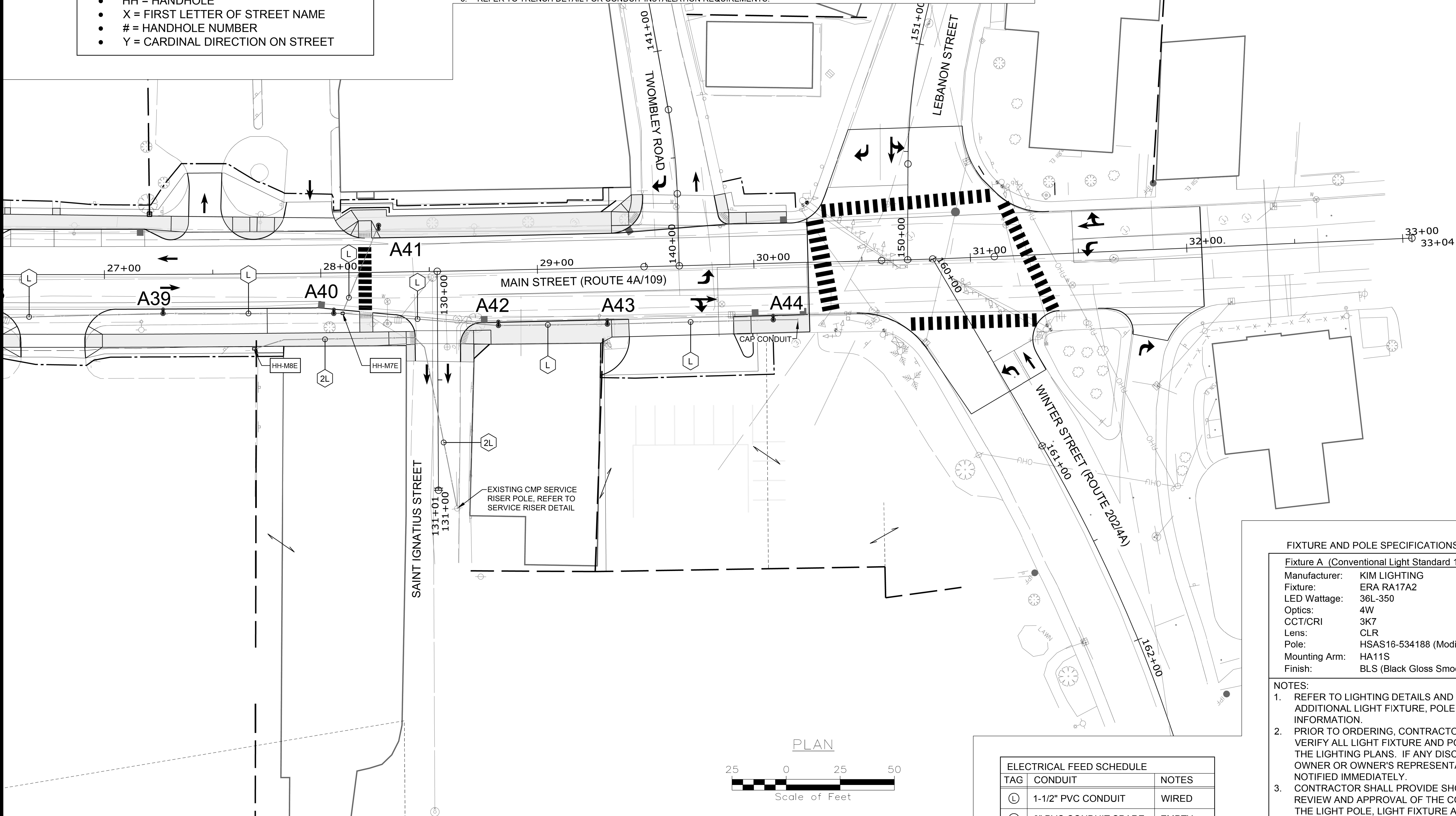
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SANFORD
DOWNTOWN IMPROVEMENTS



STATE OF MAINE
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CAPITAL PROJECTS

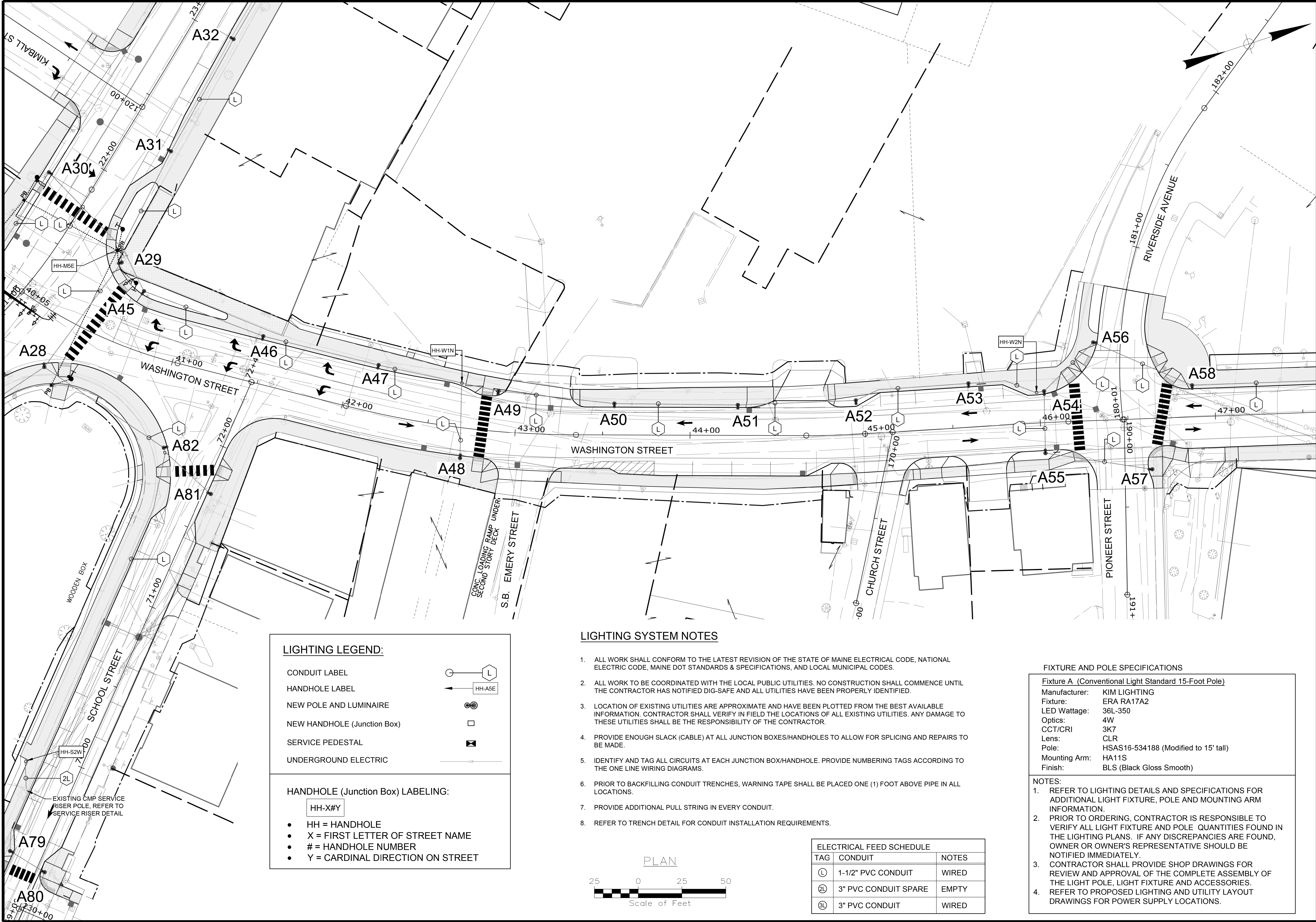
LIGHTING PLANS

SHEET NUMBER

181

OF 195

WIN
024395.01
HIGHWAY PLANS



LIGHTING LEGEND:

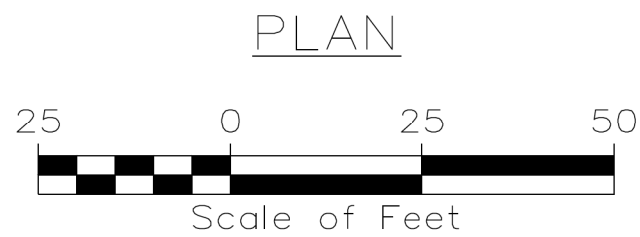
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FIXTURE AND POLE SPECIFICATIONS

Fixture A (Conventional Light Standard 15-Foot Pole)

Manufacturer: KIM LIGHTING
Fixture: ERA RA17A2
LED Wattage: 36L-350
Optics: 4W
CCT/CRI: 3K7
Lens: CLR
Pole: HSAS16-534188 (Modified to 15' tall)
Mounting Arm: HA11S
Finish: BLS (Black Gloss Smooth)

NOTES:

- REFER TO LIGHTING DETAILS AND SPECIFICATIONS FOR ADDITIONAL LIGHT FIXTURE, POLE AND MOUNTING ARM INFORMATION.
- PRIOR TO ORDERING, CONTRACTOR IS RESPONSIBLE TO VERIFY ALL LIGHT FIXTURE AND POLE QUANTITIES FOUND IN THE LIGHTING PLANS. IF ANY DISCREPANCIES ARE FOUND, OWNER OR OWNER'S REPRESENTATIVE SHOULD BE NOTIFIED IMMEDIATELY.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL OF THE COMPLETE ASSEMBLY OF THE LIGHT POLE, LIGHT FIXTURE AND ACCESSORIES.
- REFER TO PROPOSED LIGHTING AND UTILITY LAYOUT DRAWINGS FOR POWER SUPPLY LOCATIONS.



Date: 05/15/2026

Username: mwelsh

Division: HIGHWAY

Filename: 55303.02-LI.dwg

LIGHTING LEGEND:

CONDUIT LABEL

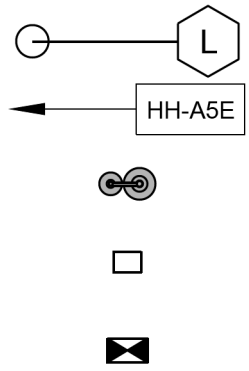
HANDHOLE LABEL

NEW POLE AND LUMINAIRE

NEW HANDHOLE (Junction Box)

SERVICE PEDESTAL

UNDERGROUND ELECTRIC



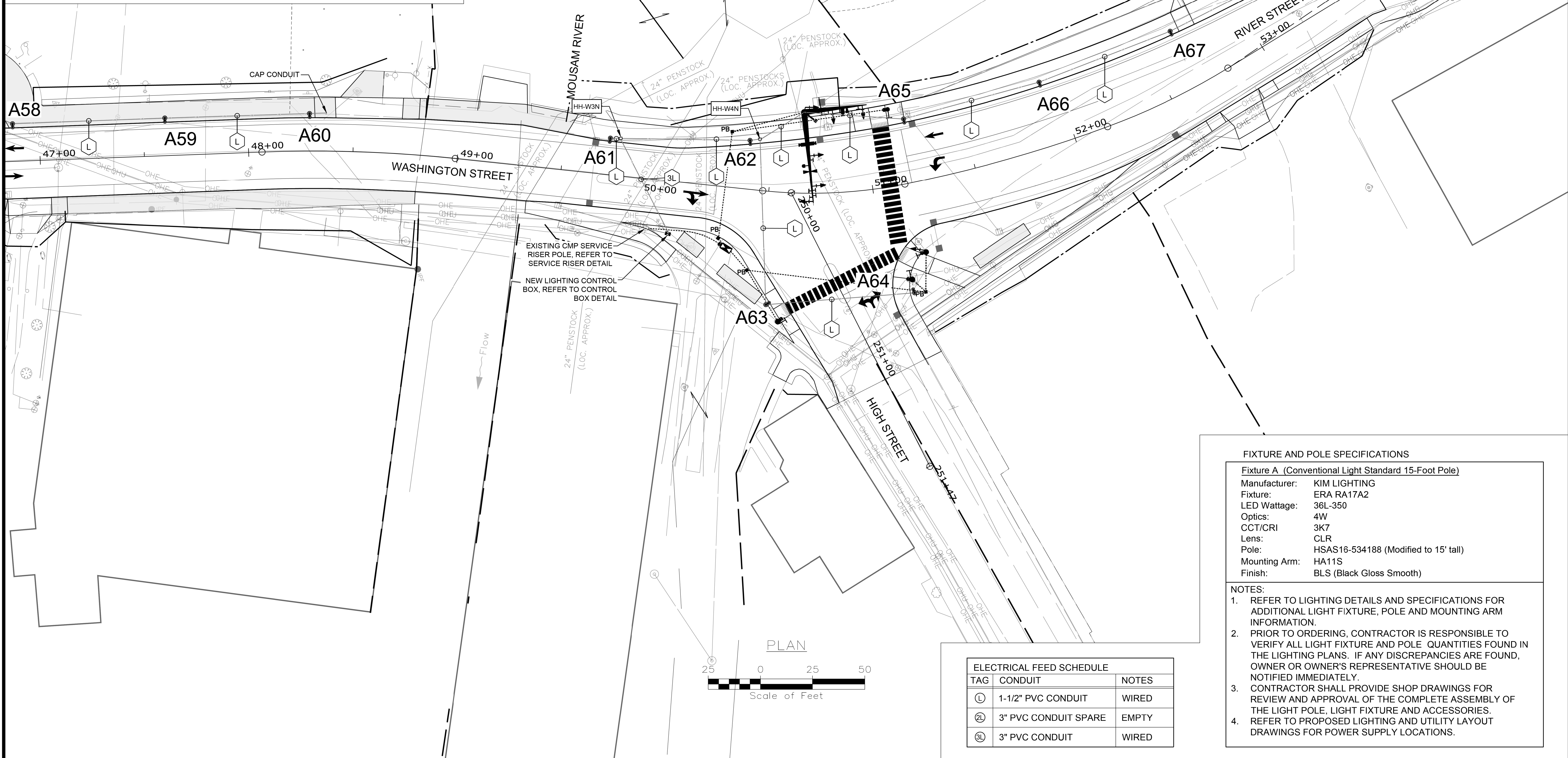
HANDHOLE (Junction Box) LABELING:

HH-X#Y

- HH = HANDHOLE
- X = FIRST LETTER OF STREET NAME
- # = HANDHOLE NUMBER
- Y = CARDINAL DIRECTION ON STREET

LIGHTING SYSTEM NOTES

- ALL WORK SHALL CONFORM TO THE LATEST REVISION OF THE STATE OF MAINE ELECTRICAL CODE, NATIONAL ELECTRIC CODE, MAINE DOT STANDARDS & SPECIFICATIONS, AND LOCAL MUNICIPAL CODES.
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- PROVIDE ADDITIONAL PULL STRING IN EVERY CONDUIT.
- REFER TO TRENCH DETAIL FOR CONDUIT INSTALLATION REQUIREMENTS.



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CCT/CRI: 3K7
Lens: CLR
Pole: HSAS16-534188 (Modified to 15' tall)
Mounting Arm: HA11S
Finish: BLS (Black Gloss Smooth)

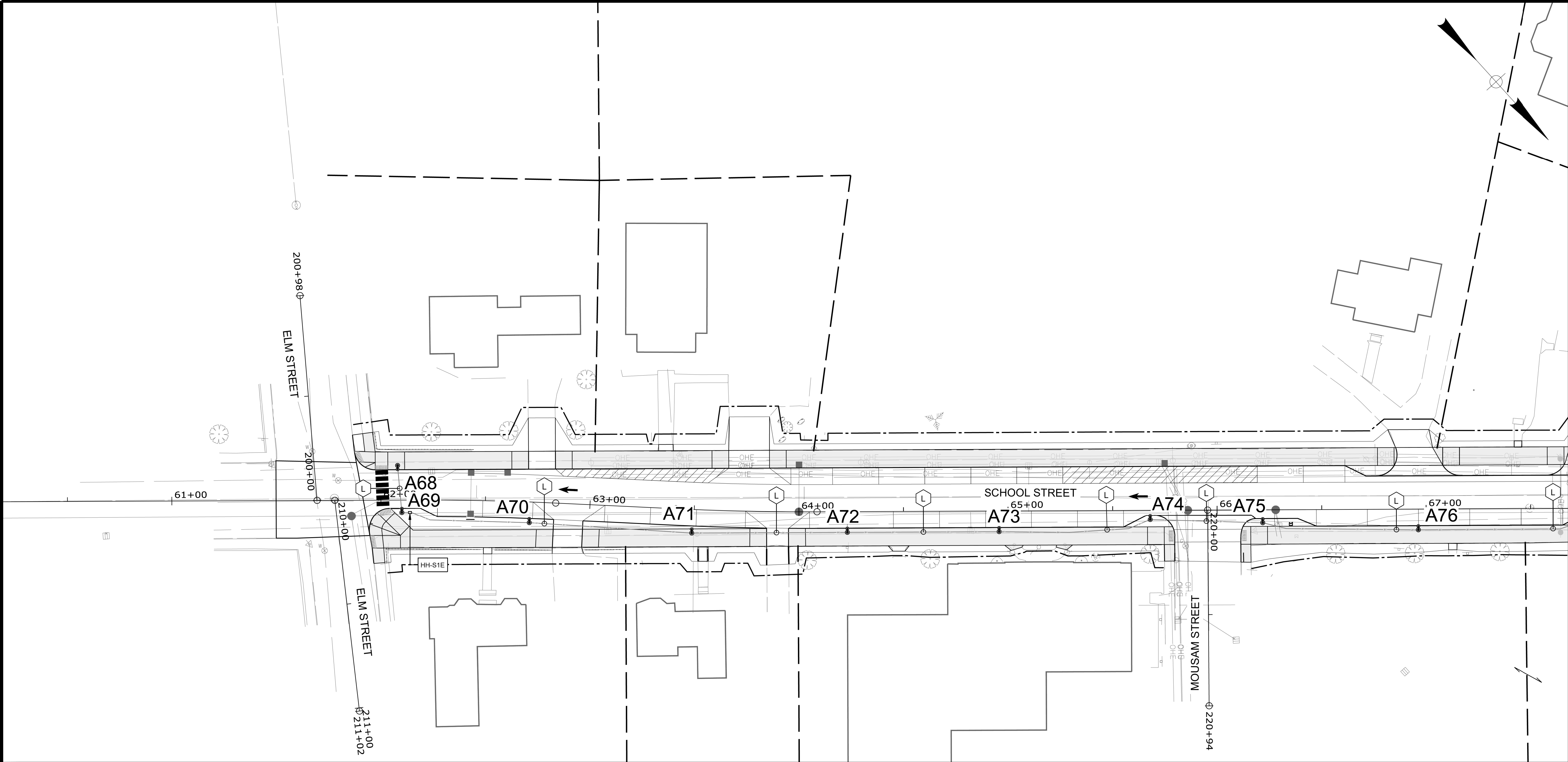
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ELECTRICAL FEED SCHEDULE		
TAG	CONDUIT	NOTES
①	1-1/2" PVC CONDUIT	WIRED
②	3" PVC CONDUIT SPARE	EMPTY
③	3" PVC CONDUIT	WIRED



PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	M.W.	AC	7/29/2026
CHECKED-REVIEWED	ECF		
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



LIGHTING LEGEND:

CONDUIT LABEL

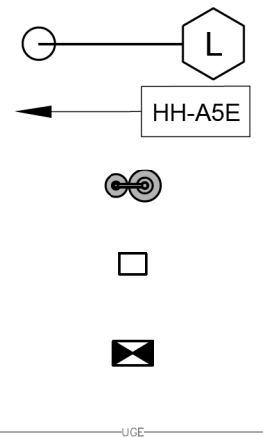
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NEW POLE AND LUMINAIRE

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PLAN



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SANFORD
DOWNTOWN IMPROVEMENTS

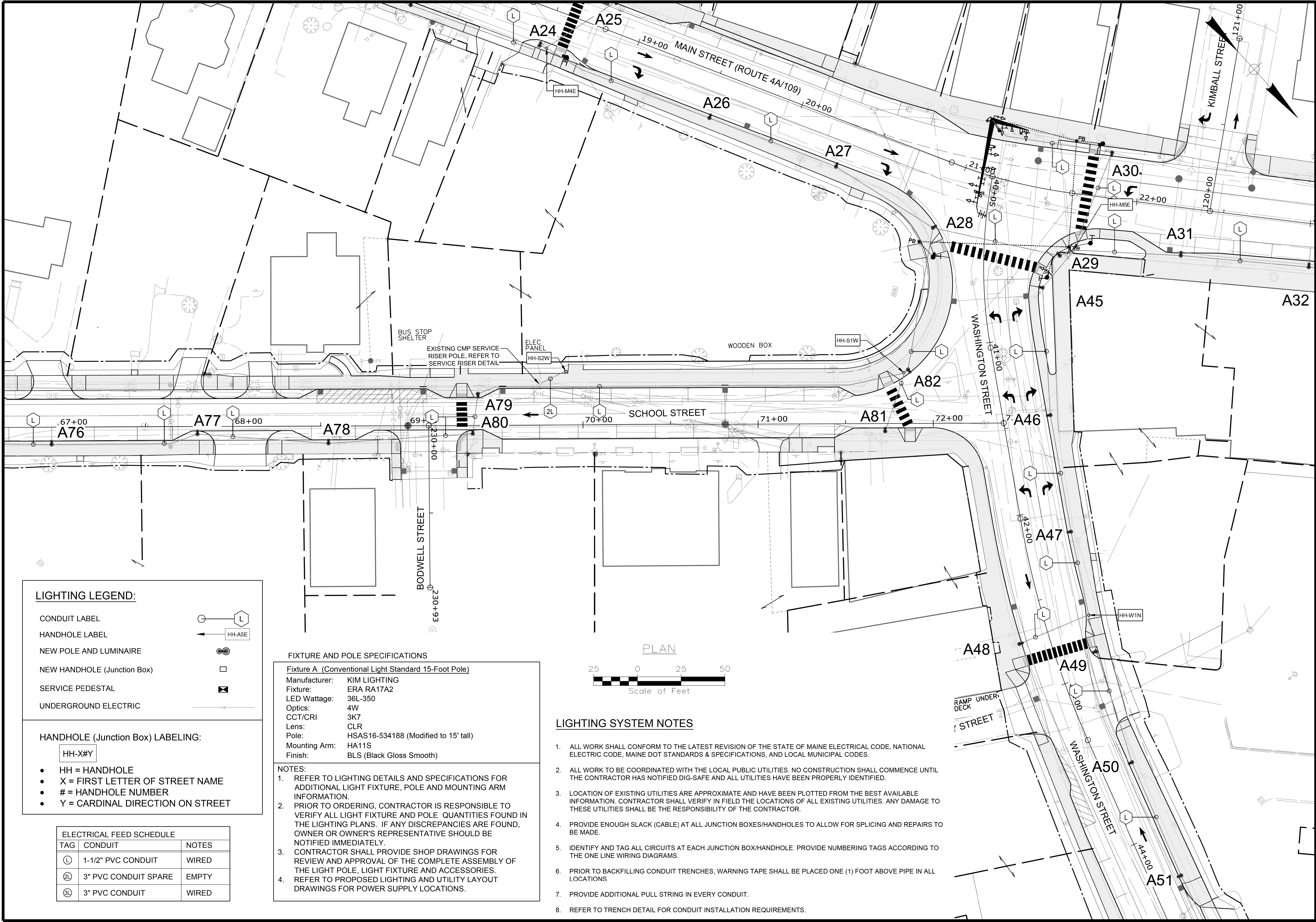
SHEET NUMBER

184

OF 195



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
WIN
024395.01
HIGHWAY PLANS



LIGHTING LEGEND:

CONDUIT LABEL

HANDHOLE LABEL

NEW POLE AND LUMINAIRE

NEW HANDHOLE (Junction Box)

SERVICE PEDESTAL

UNDERGROUND ELECTRIC

HANDHOLE (Junction Box) LABELING:

HH-X#Y

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Lens: CLR

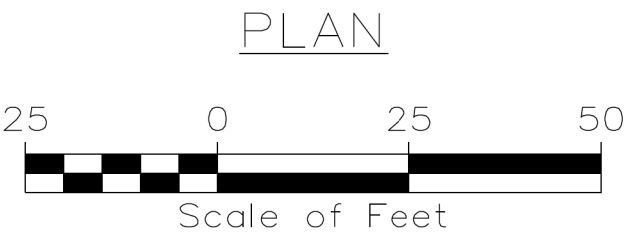
Pole: HSAS16-534188 (Modified to 15' tall)

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LIGHTING SYSTEM NOTES

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PROJ. MANAGER	E. MARTIN	BY	DATE
CHECKED-REVIEWED	MJW	AC	7/29/2026
DESIGN-DETAILED			
DESIGN-REVIEWED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SANFORD
DOWNTOWN IMPROVEMENTS
LIGHTING PLANS

LIGHTING DETAIL AND SPECIFICATION NOTES

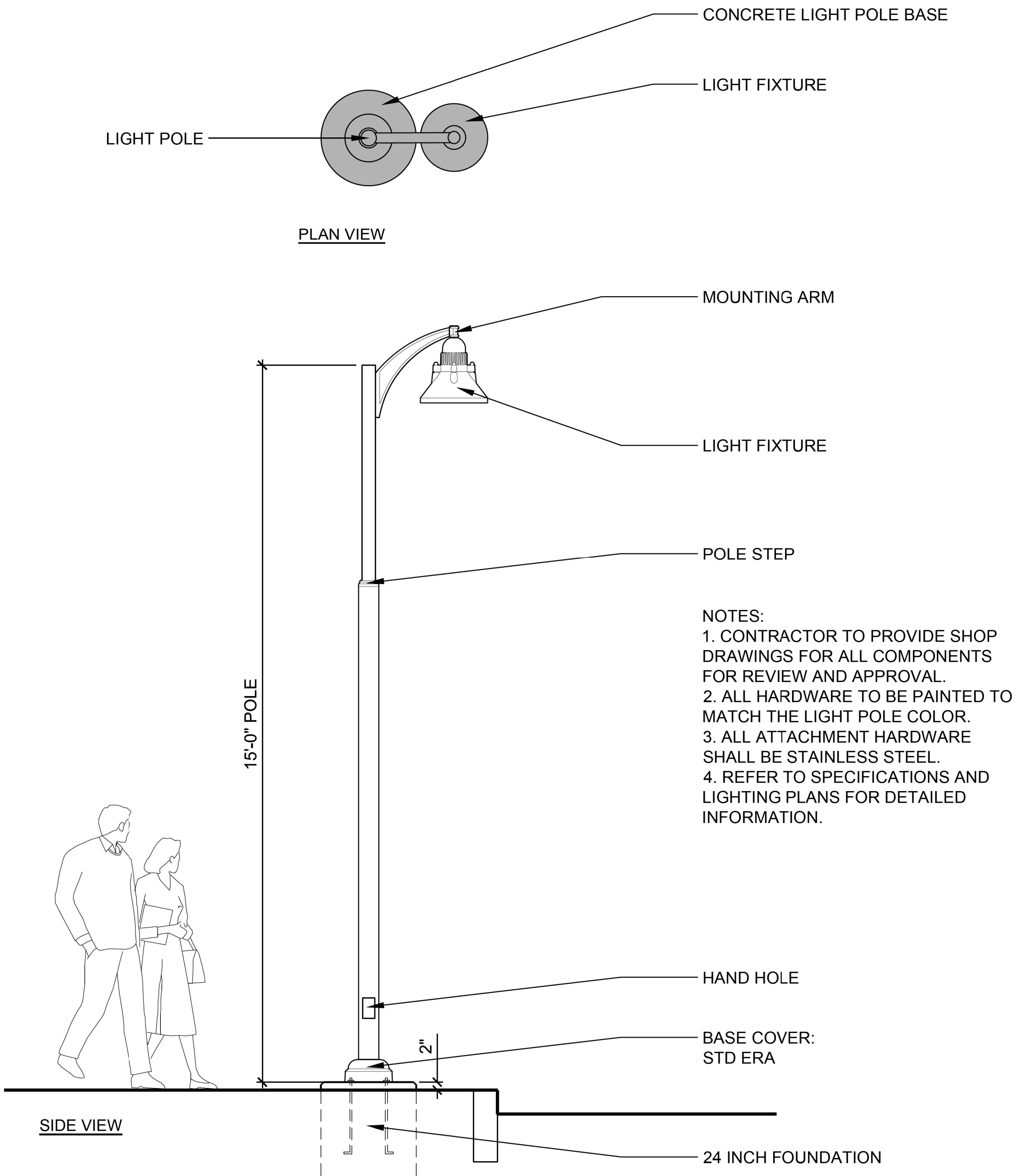
1. REFER TO THE MAINE DOT STANDARD DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION; March 2020.
2. LIGHT POLES FOUNDATIONS: REFER TO MAINE DOT DETAIL 626(02) March 2020
3. JUNCTION BOX/HAND HOLE: REFER TO MAINE DOT DETAIL 626(02) March 2020
4. LIGHTING SERVICE POLE: REFER TO MAINE DOT DETAIL 634(01) March 2020 (If applicable)

Date: 05/15/2026

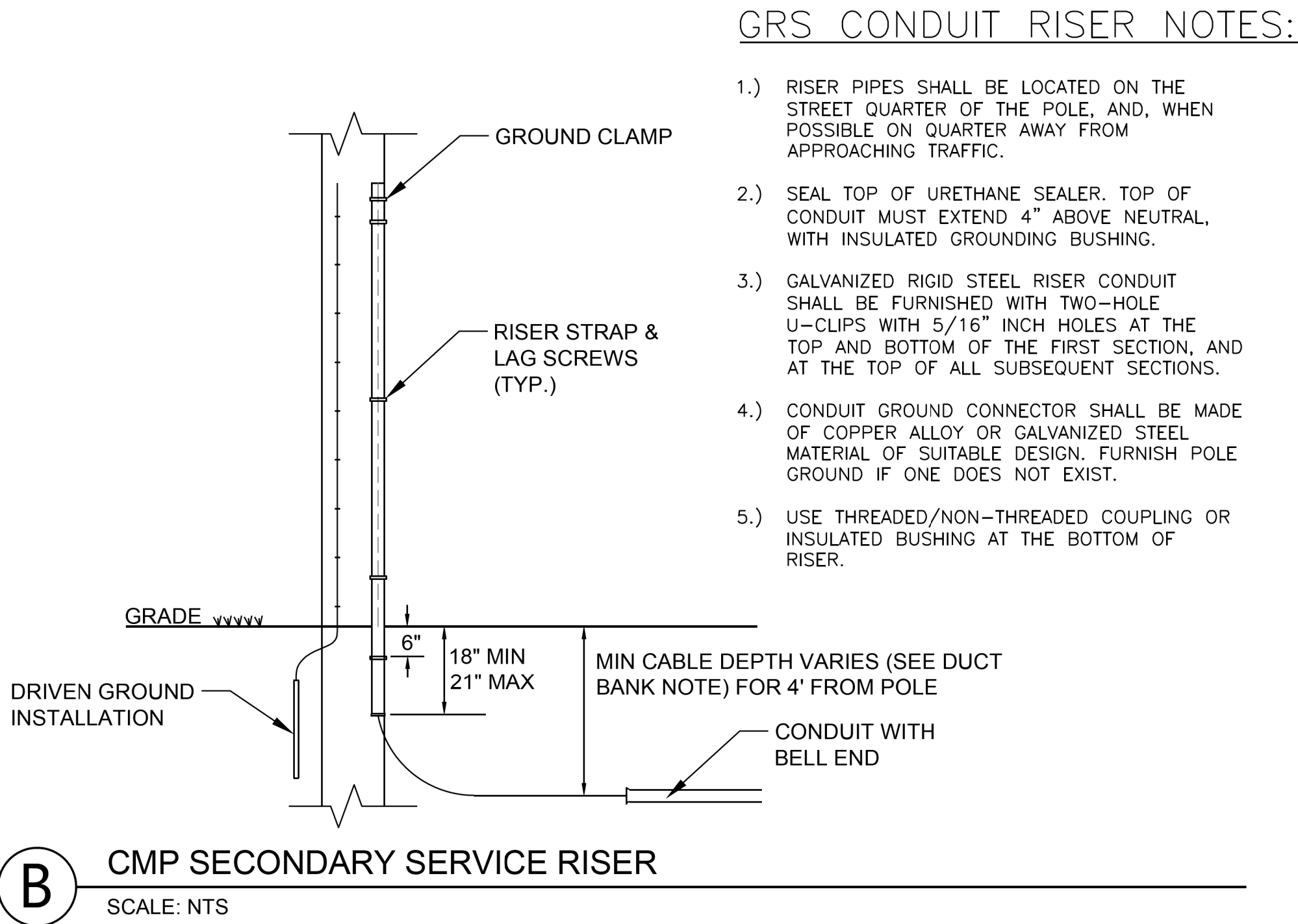
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Division: HIGHWAY

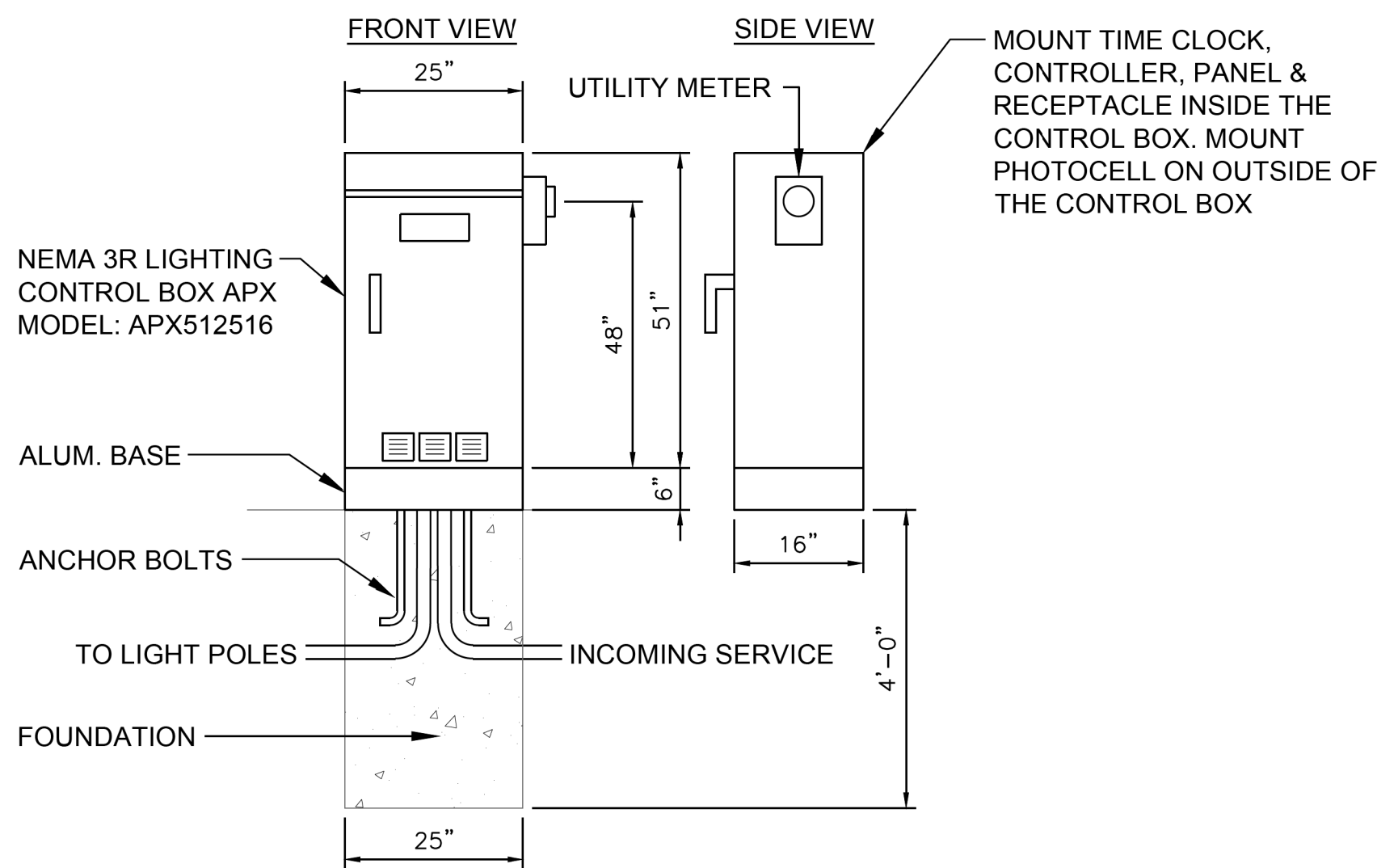
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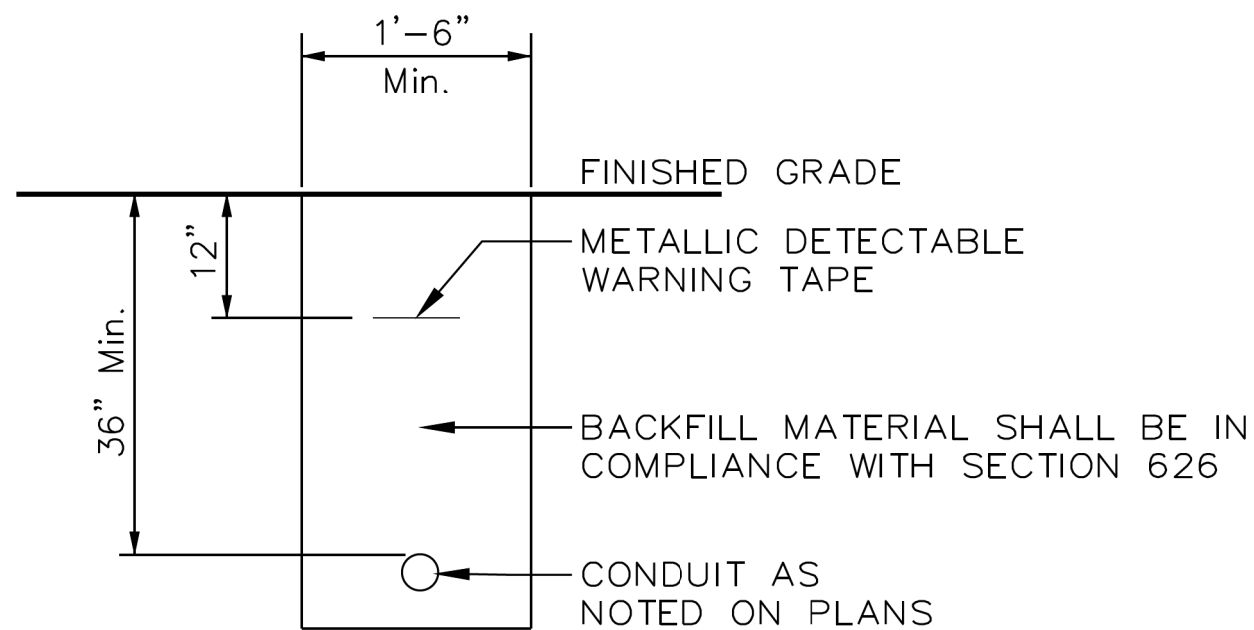
A FIXTURE A - (Conventional Light Standard 15-Foot Pole)
SCALE 1/2" = 1'-0"



B CMP SECONDARY SERVICE RISER
SCALE: NTS



C LIGHTING CONTROL BOX DETAIL
SCALE: NTS



D TRENCH CROSS SECTION
SCALE: NTS



PROJ. MANAGER	E. MARTIN	BY	DATE
CHECKED-REVIEWED	M.W.	M.W.	7/29/2026
DESIGN-REVIEWED	E.C.	AC	
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SANFORD
DOWNTOWN IMPROVEMENTS
LIGHTING PLANS

Current  currentlighting.com/kimlighting Page 2 of 10
Rev 02/18/26
ki_RA77A2_spec_R05

Current  currentlighting.com/kimlighting Page 10
 © 2022 HJ Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions. Rev 04 kl_hssas_spec

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.

Scale of Feet

25 0 25 50 75 100

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY _____
RECEIVED _____,
at _____h _____m _____M and
recorded in Plan Bk _____,Pg. _____
Attest: _____
REGISTER

PLAN LEGEND

Existing Proposed

Sanitary Sewer Telephone Line Electric Line Water Line Underdrain Line Gas Line Guardrail Culvert

Traveled Way Ditch Catch Basin Manhole Sewer Manhole Utility Pole Fire Hydrant Curbing

Cut Line Stonewall Baseline Monument Iron Rod Found Replacement Pin Set

Fill Line Retaining Wall Traverse Point Pipe Found

10+00 11+00 12+00

10 11 12

25 0 25 50 75 100

Scale of Feet

Obsidian ML 7, LLC
Parcel No. (2)
Temp. Const. Rights = 1,135± S.F. (1)
Total Lot Area = 1.68± AC. (City)

ST. George's Episcopal Church
Parcel No. (5)
Temp. Const. Rights = 899± S.F. (1)
Total Lot Area = 0.66± AC. (City)

Caring Unlimited Corporation
Parcel No. (6)
Temp. Const. Rights = 1,102± S.F. (1)
Total Lot Area = 0.59± AC. (City)

Caring Unlimited Corporation
Parcel No. (8)
Temp. Const. Rights = 1,214± S.F. (1)
Total Lot Area = 0.44± AC. (City)

955 Main Street, LLC
Parcel No. (9)
Temp. Const. Rights = 1,088± S.F. (1)
Total Lot Area = 0.66± AC. (City)

TEJAY A. Smith
Parcel No. (1)
Temp. Const. Rights = 149± S.F. (1)
Total Lot Area = 0.47± AC. (City)

Michael J. Mullen
Susan A. Mullen
Parcel No. (3)
Signal System Easement = 271± S.F. (1)
Temp. Const. Rights = 596± AC. (1)
Total Lot Area = 0.18± AC. (City)

CITY OF Sanford
Parcel No. (4)
Temp. Const. Rights = 1,796± S.F. (1)
Total Lot Area = 0.92± AC. (City)

Mary-ellen Normand
Parcel No. (7)
Temp. Const. Rights = 1,838± S.F. (1)
Total Lot Area = 1.14± AC. (City)

CITY OF Sanford
Parcel No. (10)
Temp. Const. Rights = 1,433± S.F. (1)
Total Lot Area = 0.70± AC. (City)

STATE HIGHWAY "7" / ROUTES 4A & 109 / MAIN STREET

EMERSON STREET

WEST ELM STREET

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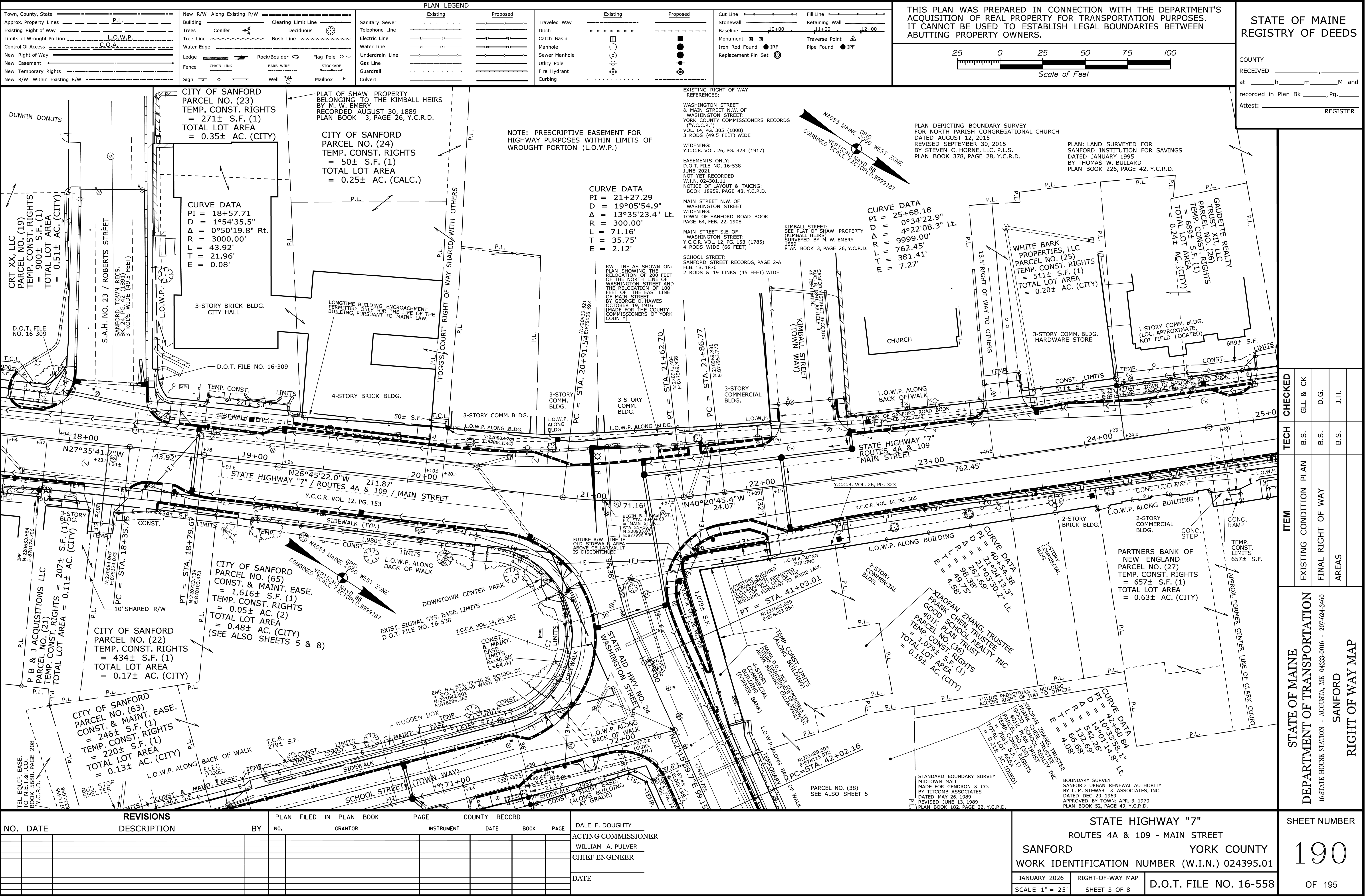
Sanford Street Records, Page 221

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This figure is a detailed engineering plan for State Highway 7, showing the proposed right-of-way (R/W) and easements for the acquisition of real property for transportation purposes. The plan includes property lines, easements, and various engineering notes.

PLAN LEGEND

Existing	Proposed
Sanitary Sewer	Sanitary Sewer
Telephone Line	Telephone Line
Electric Line	Electric Line
Water Line	Water Line
Underdrain Line	Underdrain Line
Gas Line	Gas Line
Guardrail	Guardrail
Culvert	Culvert

PLAN LEGEND (Continued)

Existing	Proposed
Travelled Way	Travelled Way
Ditch	Ditch
Catch Basin	Catch Basin
Manhole	Manhole
Sewer Manhole	Sewer Manhole
Utility Pole	Utility Pole
Fire Hydrant	Fire Hydrant
Curbing	Curbing

PLAN LEGEND (Continued)

Existing	Proposed
Cut Line	Cut Line
Stonewall	Stonewall
Baseline	Baseline
Monument	Monument
Iron Rod Found	Iron Rod Found
Replacement Pin Set	Replacement Pin Set

PLAN LEGEND (Continued)

Existing	Proposed
Fill Line	Fill Line
Retaining Wall	Retaining Wall
Traverse Point	Traverse Point
Pipe Found	Pipe Found

PLAN LEGEND (Continued)

Existing	Proposed
New R/W	New R/W
Along Existing R/W	Along Existing R/W
Clearing Limit Line	Clearing Limit Line
Trees	Trees
Conifer	Conifer
Deciduous	Deciduous
Tree Line	Tree Line
Water Edge	Water Edge
Ledge	Ledge
Fence	Fence
Sign	Sign
Rock/Boulder	Rock/Boulder
Flag Pole	Flag Pole
Barb Wire	Barb Wire
Stockade	Stockade
Well	Well
Mailbox	Mailbox

PLAN LEGEND (Continued)

Existing	Proposed
Sanitary Sewer	Sanitary Sewer
Telephone Line	Telephone Line
Electric Line	Electric Line
Water Line	Water Line
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PLAN LEGEND (Continued)

Existing	Proposed
Travelled Way	Travelled Way
Ditch	Ditch
Catch Basin	Catch Basin
Manhole	Manhole
Sewer Manhole	Sewer Manhole
Utility Pole	Utility Pole
Fire Hydrant	Fire Hydrant
Curbing	Curbing

PLAN LEGEND (Continued)

Existing	Proposed
Cut Line	Cut Line
Stonewall	Stonewall
Baseline	Baseline
Monument	Monument
Iron Rod Found	Iron Rod Found
Replacement Pin Set	Replacement Pin Set

PLAN LEGEND (Continued)

Existing	Proposed
Fill Line	Fill Line
Retaining Wall	Retaining Wall
Traverse Point	Traverse Point
Pipe Found	Pipe Found

PLAN LEGEND (Continued)

Existing	Proposed
New R/W	New R/W
Along Existing R/W	Along Existing R/W
Clearing Limit Line	Clearing Limit Line
Trees	Trees
Conifer	Conifer
Deciduous	Deciduous
Tree Line	Tree Line
Water Edge	Water Edge
Ledge	Ledge
Fence	Fence
Sign	Sign
Rock/Boulder	Rock/Boulder
Flag Pole	Flag Pole
Barb Wire	Barb Wire
Stockade	Stockade
Well	Well
Mailbox	Mailbox

PLAN LEGEND (Continued)

Existing	Proposed
Sanitary Sewer	Sanitary Sewer
Telephone Line	Telephone Line
Electric Line	Electric Line
Water Line	Water Line
Underdrain Line	Underdrain Line
Gas Line	Gas Line
Guardrail	Guardrail
Culvert	Culvert

PLAN LEGEND (Continued)

Existing	Proposed
Travelled Way	Travelled Way
Ditch	Ditch
Catch Basin	Catch Basin
Manhole	Manhole
Sewer Manhole	Sewer Manhole
Utility Pole	Utility Pole
Fire Hydrant	Fire Hydrant
Curbing	Curbing

PLAN LEGEND (Continued)

Existing	Proposed
Cut Line	Cut Line
Stonewall	Stonewall
Baseline	Baseline
Monument	Monument
Iron Rod Found	Iron Rod Found
Replacement Pin Set	Replacement Pin Set

PLAN LEGEND (Continued)

Existing	Proposed
Fill Line	Fill Line
Retaining Wall	Retaining Wall
Traverse Point	Traverse Point
Pipe Found	Pipe Found

PLAN LEGEND (Continued)

Existing	Proposed
New R/W	New R/W
Along Existing R/W	Along Existing R/W
Clearing Limit Line	Clearing Limit Line
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Water Edge	Water Edge
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Rock/Boulder	Rock/Boulder
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PLAN LEGEND (Continued)

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Sanitary Sewer	Sanitary Sewer
Telephone Line	Telephone Line
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PLAN LEGEND (Continued)

Existing	Proposed
Travelled Way	Travelled Way
Ditch	Ditch
Catch Basin	Catch Basin
Manhole	Manhole
Sewer Manhole	Sewer Manhole
Utility Pole	Utility Pole
Fire Hydrant	Fire Hydrant
Curbing	Curbing

PLAN LEGEND (Continued)

Existing	Proposed
Cut Line	Cut Line
Stonewall	Stonewall
Baseline	Baseline
Monument	Monument
Iron Rod Found	Iron Rod Found
Replacement Pin Set	Replacement Pin Set

PLAN LEGEND (Continued)

Existing	Proposed
Fill Line	Fill Line
Retaining Wall	Retaining Wall
Traverse Point	Traverse Point
Pipe Found	Pipe Found

PLAN LEGEND (Continued)

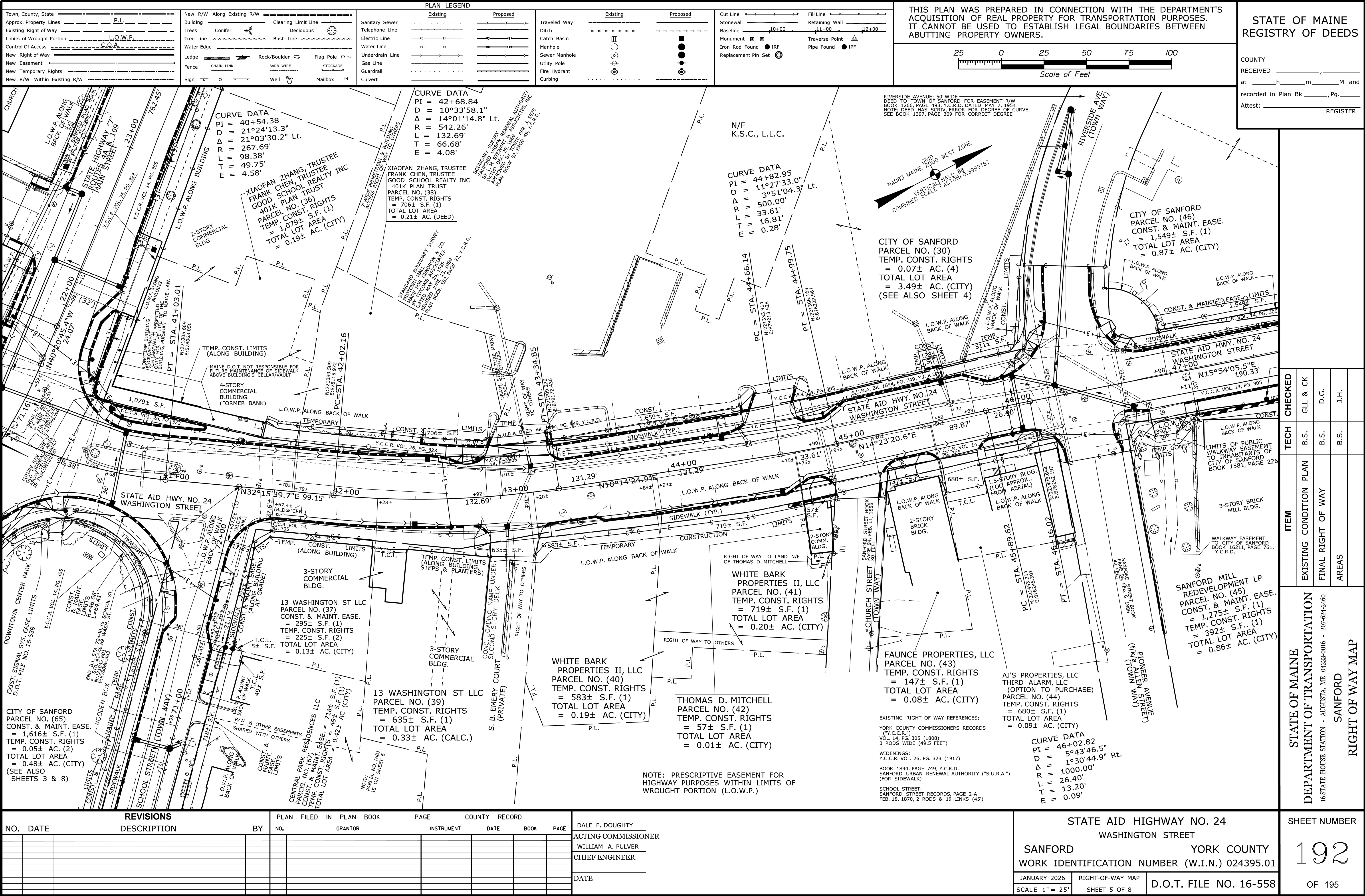
Existing	Proposed
New R/W	New R/W
Along Existing R/W	Along Existing R/W
Clearing Limit Line	Clearing Limit Line
Trees	Trees
Conifer	Conifer
Deciduous	Deciduous
Tree Line	Tree Line
Water Edge	Water Edge
Ledge	Ledge
Fence	Fence</

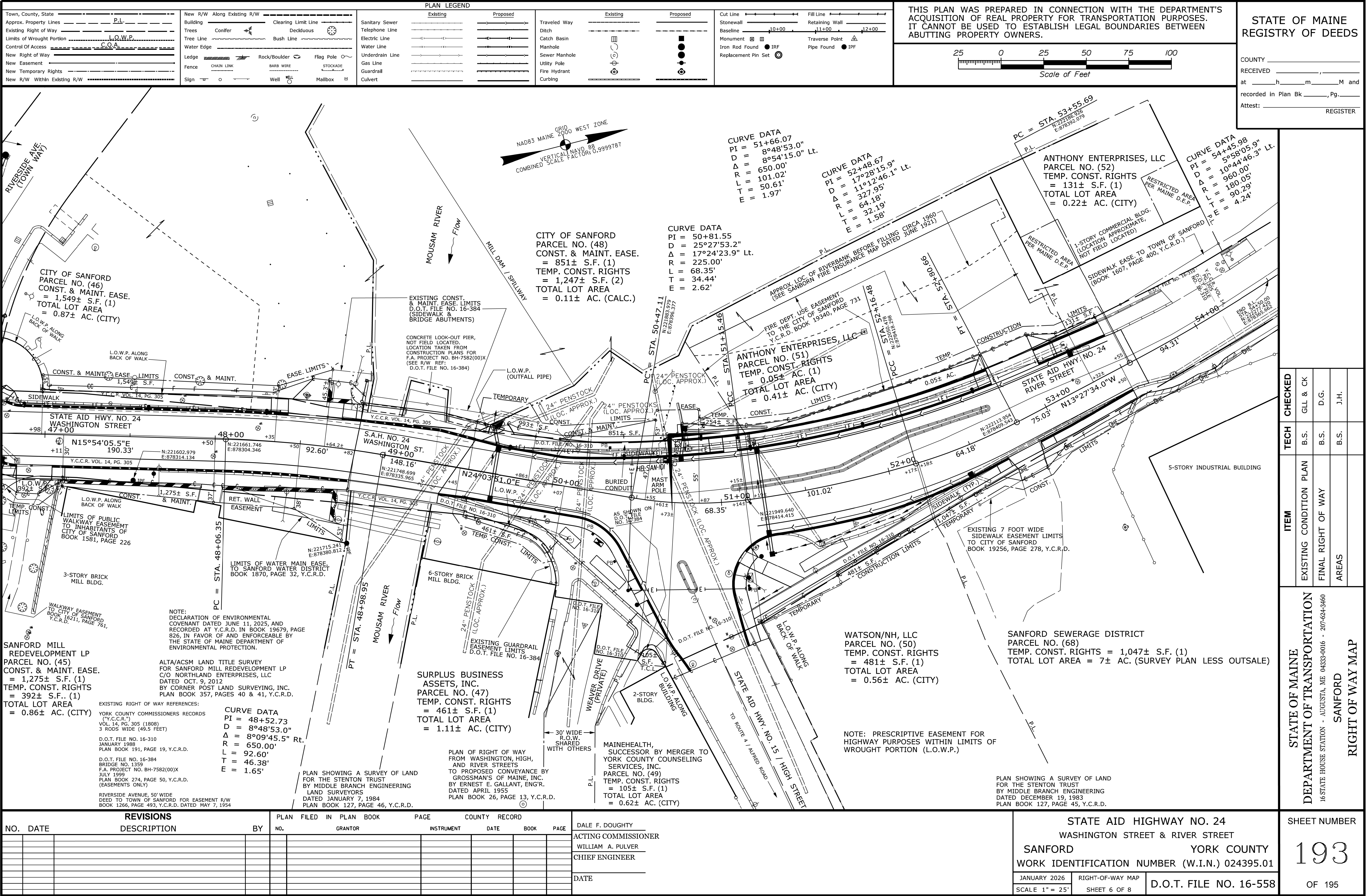
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Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$





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.

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY _____
RECEIVED _____,
at _____ h _____ m _____ M and
recorded in Plan Bk _____, Pg. _____
Attest: _____ REGISTER

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

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

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

Cut Line Stone Wall Retaining Wall Baseline Monument Iron Rod Found Replacement Pin Set
Fill Line Retaining Wall Traverse Point Pipe Found

Scale of Feet
25 0 25 50 75 100

CURVE DATA
PI = 63+74.98
D = 4°24'26.5"
Δ = 2°58'32.3" Lt.
R = 1300.00'
L = 67.51'
T = 33.77'
E = 0.44'

NAD83 MAINE GRID 200 WEST ZONE
COMBINED SCALE FACTOR 0.9999787

WINDSOR CONSTRUCTION, LLC
PARCEL NO. (13)
TEMP. CONST. RIGHTS
= 0.11± AC. (2)
TOTAL LOT AREA
= 3.10± AC. (CALC.)
(SEE ALSO SHEETS 2 & 8)

NOTE:
THERE SHALL BE NO REMOVAL OF ANY TREES OR SUBSTANTIAL SHRUBBERY FROM THIS PROPERTY AS NOTED IN A DEED OF PRESERVATION AND CONSERVATION EASEMENT TO THE NATIONAL TRUST FOR HISTORIC PRESERVATION IN THE UNITED STATES, DATED APRIL 6, 2001, RECORDED IN BOOK 10548, PAGE 20, Y.C.R.D.

PHILIP D. BOISCLAIR
LINDA S. BOISCLAIR
PARCEL NO. (53)
TEMP. CONST. RIGHTS = 1,229± S.F. (1)
TOTAL LOT AREA = 0.34± AC. (CITY)

CHRISTIAN SCIENCE SOCIETY, SANFORD, MAINE
PARCEL NO. (55)
TEMP. CONST. RIGHTS = 1,202± S.F. (1)
TOTAL LOT AREA = 0.33± AC. (CITY)

RICHARD SEAMON
PARCEL NO. (59)
TEMP. CONST. RIGHTS
= 773± S.F. (1)
TOTAL LOT AREA
= 0.23± AC. (CITY)

MELISSA J. KELLER
JAY B. KELLER
PARCEL NO. (18)
TEMP. CONST. RIGHTS
= 571± S.F. (1)
TOTAL LOT AREA
= 0.19± AC. (CITY)

RICHARD SEAMON
PARCEL NO. (20)
TEMP. CONST. RIGHTS
= 208± S.F. (2)
TOTAL LOT AREA
= 0.27± AC. (CITY)

SANFORD HOUSING AUTHORITY
PARCEL NO. (61)
TEMP. CONST. RIGHTS
= 890± S.F. (1)
TOTAL LOT AREA
= 0.21± AC. (CITY)

1-STOREY BRICK CHURCH
PC = STA. 63+41.22
PT = STA. 64+08.73

1-STOREY BRICK POST OFFICE

UNITED STATES POSTAL SERVICE
PARCEL NO. (57)
OMITTED

CITY OF SANFORD
PARCEL NO. (58)
TEMP. CONST. RIGHTS = 881± S.F. (1)
TOTAL LOT AREA = 0.70± AC. (CITY)

CITY OF SANFORD
PARCEL NO. (60)
TEMP. CONST. RIGHTS = 672± S.F. (1)
TOTAL LOT AREA = 0.35± AC. (CITY)

16 SCHOOL STREET LLC
PARCEL NO. (62)
TEMP. CONST. RIGHTS
= 159± S.F. (1)
TOTAL LOT AREA
= 0.10± AC. (CITY)

THeresa M. HANSEN
MIA ROSE GONZALO
MAXWELL RALPH BLATCHFORD
PARCEL NO. (54)
TEMP. CONST. RIGHTS
= 936± S.F. (1)
TOTAL LOT AREA
= 0.28± AC. (CITY)

CYNTHIA EATON RANKIN
f/k/a CYNTHIA EATON
PARCEL NO. (56)
TEMP. CONST. RIGHTS
= 855± S.F. (1)
TOTAL LOT AREA
= 0.36± AC. (CITY)

CURVE DATA
PI = 62+49.83
D = 4°24'26.5"
Δ = 2°58'27.1" Rt.
R = 1300.00'
L = 67.48'
T = 33.75'
E = 0.44'

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

EXISTING RIGHT OF WAY REFERENCES:
SCHOOL STREET:
SANFORD STREET RECORDS, PAGE 2-A
FEB. 18, 1870, 2 RODS & 19 LINKS (45 FEET) WIDE
WASHINGTON STREET
& MAIN STREET N.W. OF WASHINGTON STREET:
YORK COUNTY COMMISSIONERS RECORDS
("Y.C.C.R.")
VOL. 14, PG. 305 (1808)
3 RODS WIDE (49.5 FEET)
WIDENING:
Y.C.C.R. VOL. 26, PG. 323 (1917)
EASEMENTS ONLY:
D.O.T. FILE NO. 16-538
JUNE 2021
NOT YET RECORDED
W.I.N. 024301.11
NOTICE OF LAYOUT & TAKING:
BOOK 18959, PAGE 48, Y.C.R.D.
MAIN STREET N.W. OF WASHINGTON STREET WIDENING:
TOWN OF SANFORD ROAD BOOK
PAGE 64, FEB. 22, 1908
MAIN STREET S.E. OF WASHINGTON STREET:
Y.C.C.R. VOL. 12, PG. 153 (1785)
4 RODS WIDE (66 FEET)

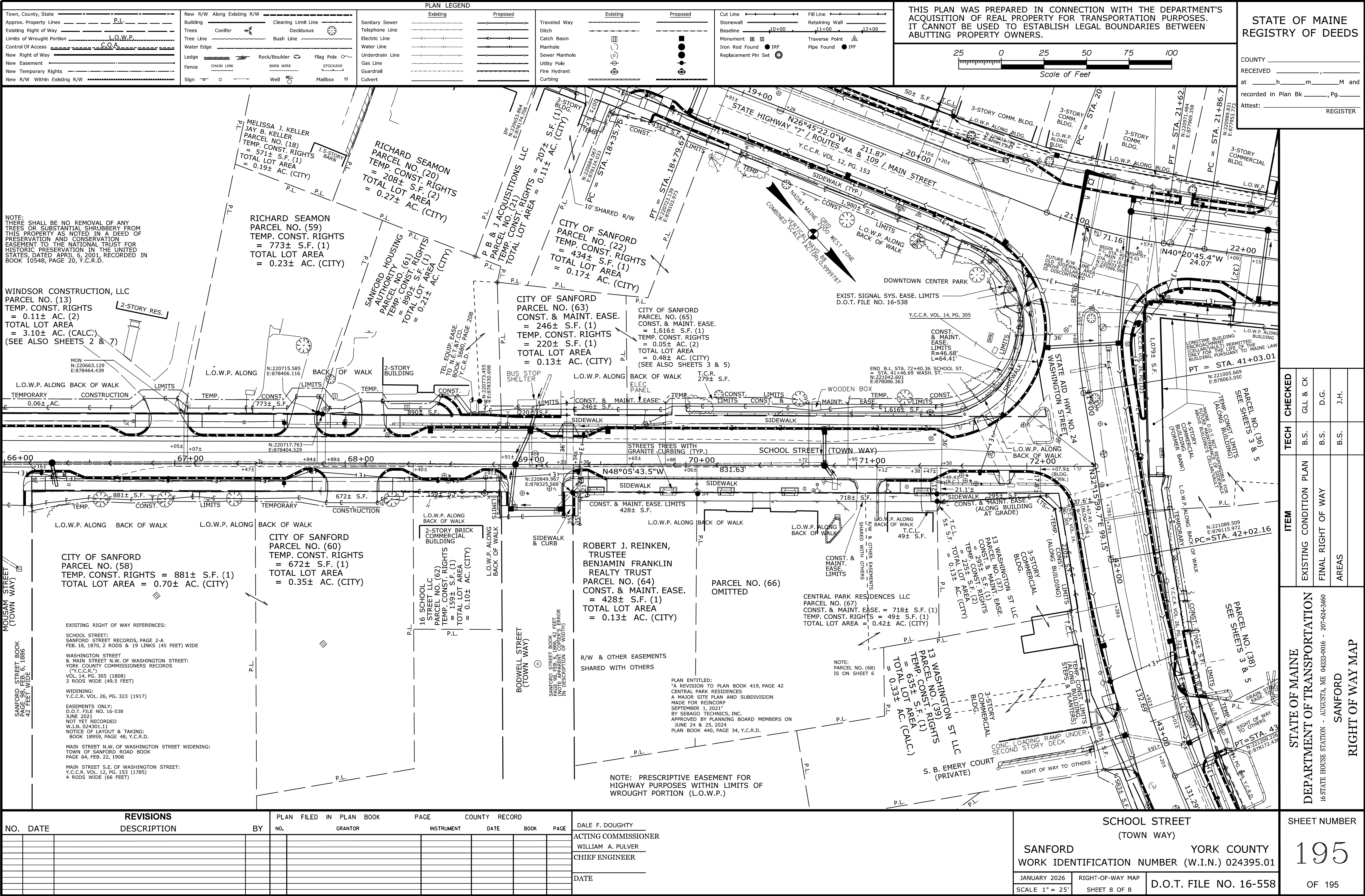
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460
SANFORD
RIGHT OF WAY MAP

TECH CHECKED
ITEM EXISTING CONDITION PLAN
FINAL RIGHT OF WAY AREAS
GLL & CK
D.G.
J.H.

NO. DATE DESCRIPTION BY
PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD
NO. GRANTOR INSTRUMENT DATE BOOK PAGE
DALE F. DOUGHTY
ACTING COMMISSIONER
WILLIAM A. PULVER
CHIEF ENGINEER
DATE

SCHOOL STREET
(TOWN WAY)
SANFORD YORK COUNTY
WORK IDENTIFICATION NUMBER (W.I.N.) 024395.01
JANUARY 2026 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 7 OF 8
D.O.T. FILE NO. 16-558

SHEET NUMBER
194
OF 195



Date:8/19/2026

Username: bbarrah

Division: HIGHWAY

Filename: ...\\001_Title_Conduit.dgn



600 Southborough Drive, Suite 100
South Portland, Maine 04106

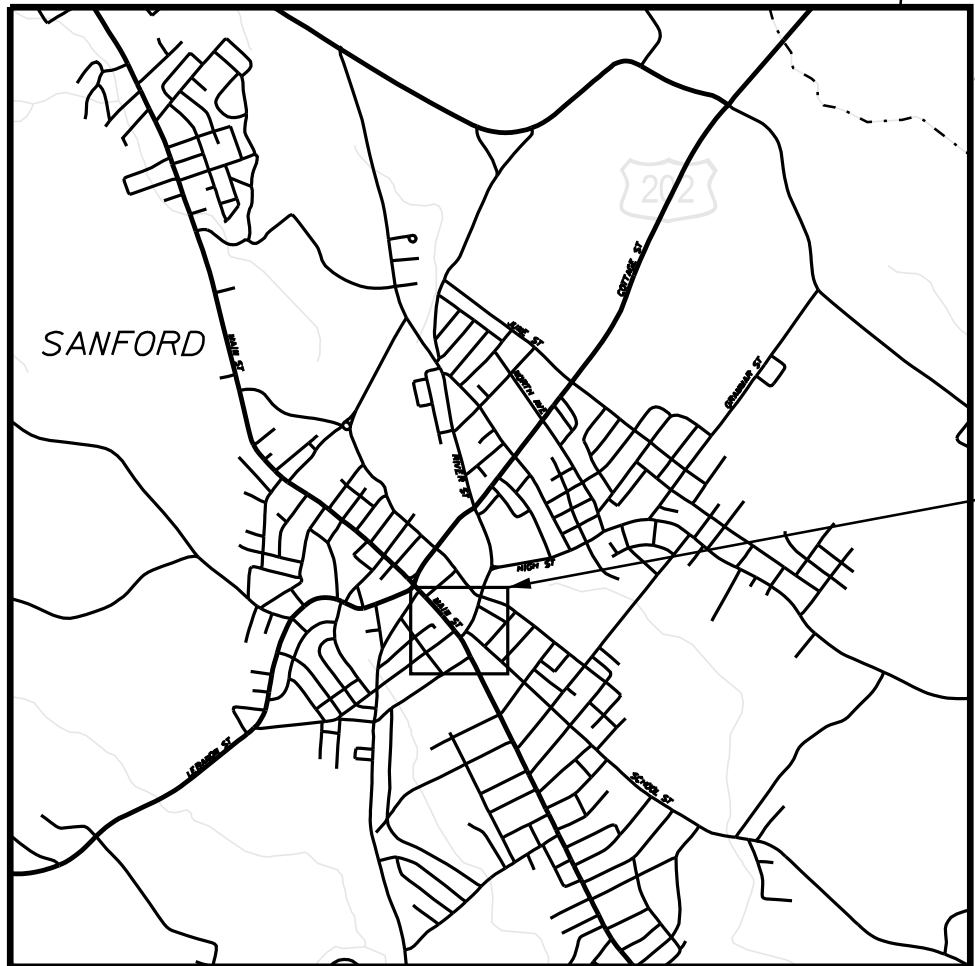
CITY OF SANFORD

SANFORDNET FIBER UNDERGROUND CONDUIT

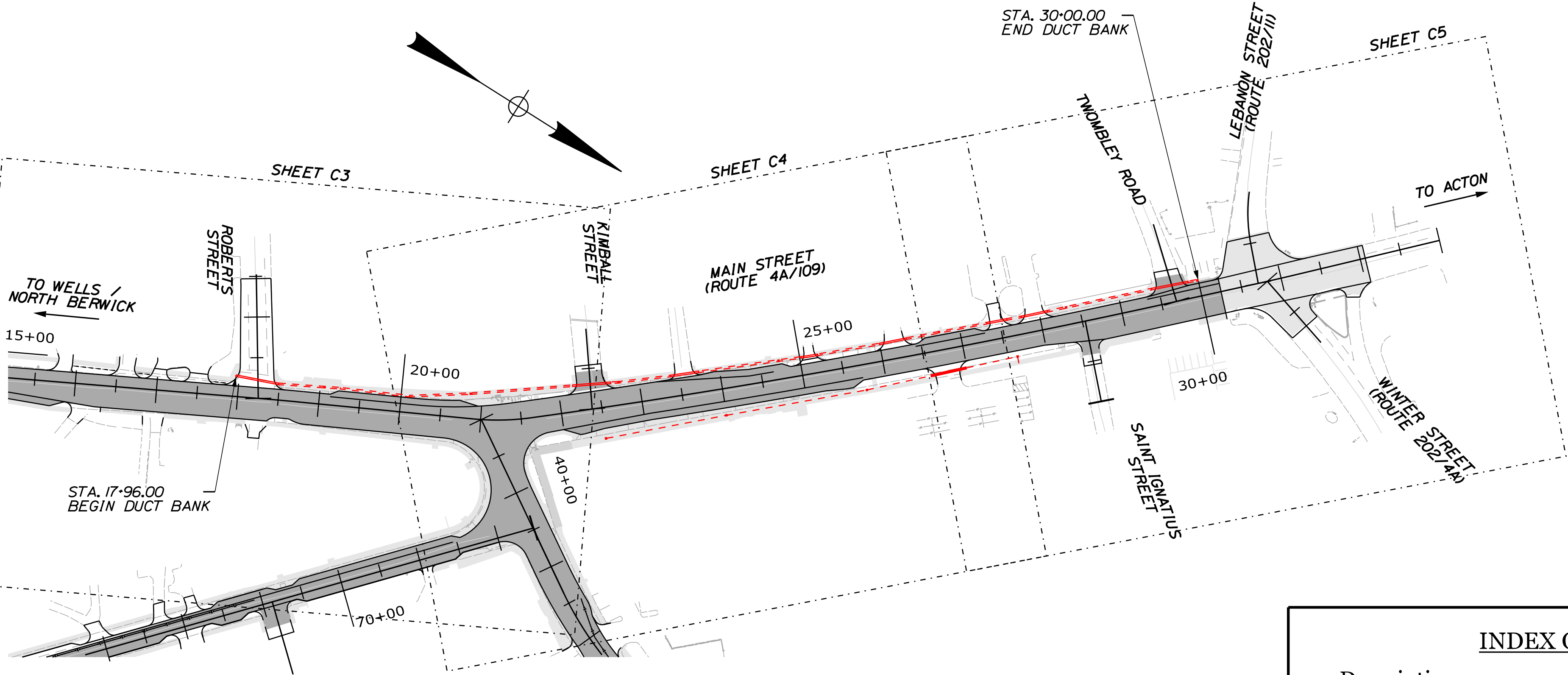
MAY 20, 2026

PLAN LEGEND

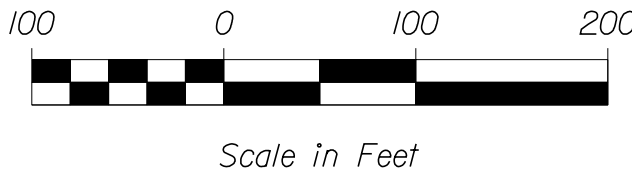
Town, County, State	_____
Property Lines	_____
R/W Lines-Existing	_____
Project Baseline	_____10+00
Culvert-Existing	=====
Culvert Proposed	=====
Curbing-Existing	=====
Type 1	=====
Type 3	=====
Type 5	=====
Outline of Bodies of Water	=====
Existing Travelway	=====
Existing Ditch	=====
Catch Basins	Existing Proposed
Manholes	Existing Proposed
Existing San. Sewer Manhole	
Existing Utility Poles	
Existing Fire Hydrants	
Existing Water Line	=====
Existing San. Sewer	=====
Proposed San. Sewer	=====
Existing Gas Line	=====
Guardrail-Existing	=====
Guardrail-Cable, Other	=====
Buildings	=====
Trees	Conifer Deciduous
Tree Line	=====



0 1/2 1
Scale in Miles
LOCATION MAP



LAYOUT SCALE



INDEX OF SHEETS

Description	Sheet No.
Title Sheet	C1
Typicals	C2
General Plans	C3-C5

PROJECT LOCATION:

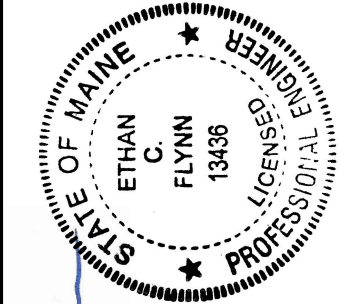
BEGINNING AT THE INTERSECTION WITH ROBERTS STREET
AND EXTENDING 0.23 MILES TO THE INTERSECTION WITH
LEBANON STREET

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

DATE

APPROVED

SUPERINTENDENT:



Ethan C. Flynn
SIGNATURE
P.E. NUMBER 13436
DATE 7/30/2026

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	MATTHEW HILL
DESIGNER	E. FLYNN
CONSULTANT	VHB
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

SANFORD
SANFORDNET FIBER UNDERGROUND CONDUIT

TITLE SHEET

SHEET NUMBER

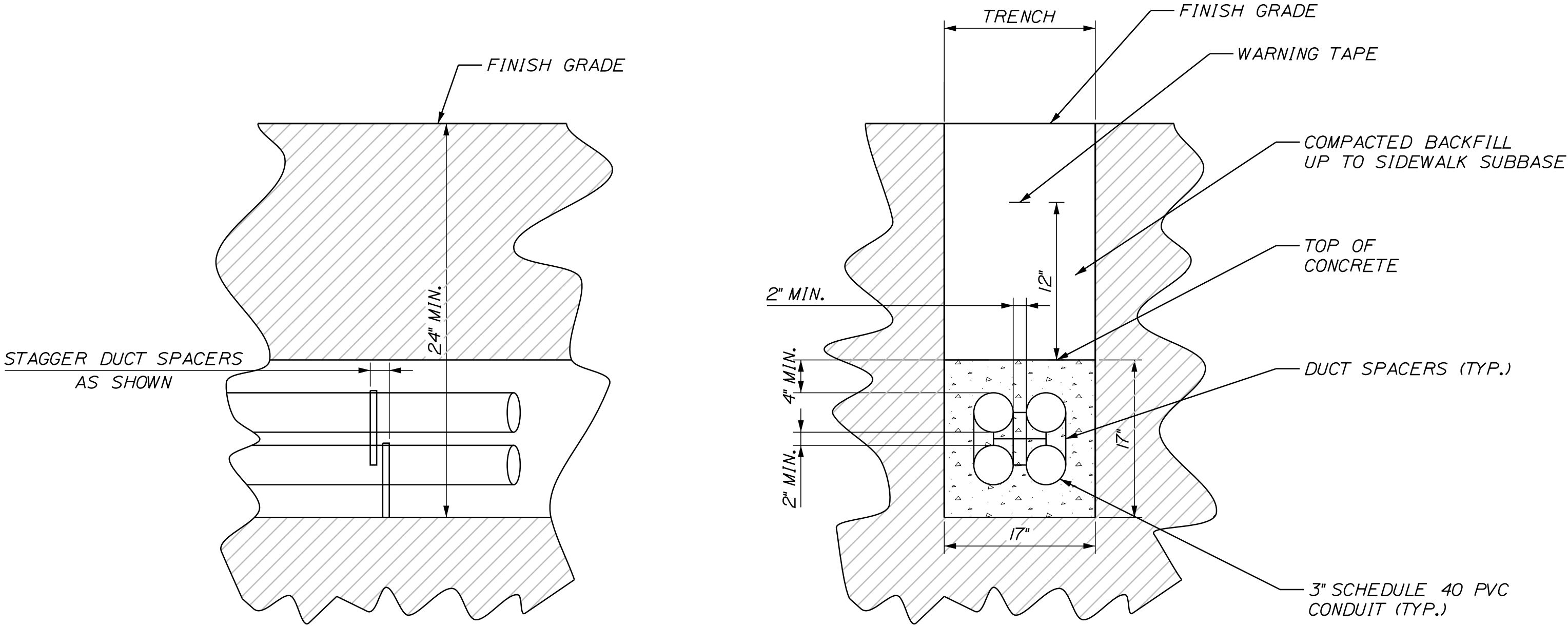
C1

OF 5

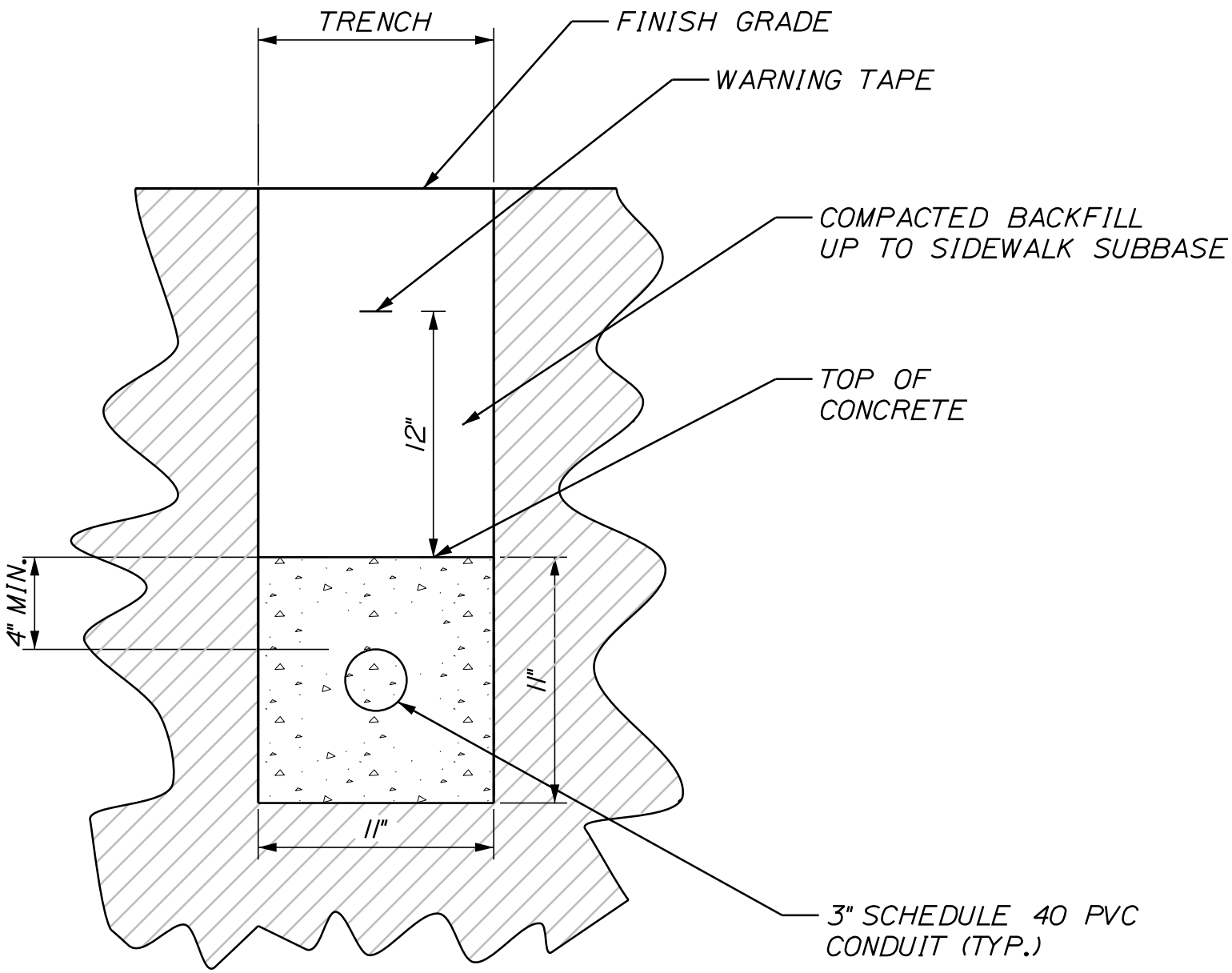
NOTES:

1. DUCT BANKS SHALL BE CONCRETE ENCASED ONLY WHEN CROSSING UNDER THE ROADWAY AND CURBING. SECONDARY SERVICE ARE NOT PART OF CONCRETE ENCASED DUCT BANKS.
2. CONCRETE ENCASED DUCT BANK SHALL HAVE AT LEAST FOUR INCHES OF CONCRETE AT THE TOP, FOUR INCHES AT THE BOTTOM, AND FOUR INCHES ON EACH SIDE AS COVER.
3. INTERIOR SPACING BETWEEN ALL CONDUITS SHALL BE AT LEAST TWO INCHES.
4. A HORIZONTAL AND VERTICAL SEPARATION BETWEEN THE DUCTS OF TWO INCHES SHALL BE MAINTAINED BY INSTALLING UNDERGROUND DEVICES HIGH IMPACT POLYSTYRENE SPACERS. SPACERS SHALL BE INTERLOCKED HORIZONTALLY ONLY. ALONG THE DUCT RUN SPACERS SHALL BE STAGGERED VERTICALLY AND SHALL BE PLACED AT AN INTERVAL OF FOUR SPACERS PER 20 FEET (5 FEET APART).
5. DUCT BANK SHALL BE CENTERED UNDER SIDEWALK WHERE POSSIBLE.
6. THE DUCT BANK SHOULD BE OF MONOLITHIC CONSTRUCTION.
7. WHEN PLACING CONCRETE AROUND CONDUITS ADJUST THE DELIVERY CHUTE SO THE FALL OF THE CONCRETE INTO THE TRENCH IS MINIMAL. POUR THE CONCRETE SLOWLY AND DISTRIBUTE IT EVENLY SO AS NOT TO DISLodge THE SPACERS.
8. CONDUIT SHALL BE SCHEDULE 40 ELECTRICAL CONDUIT (NEMA TC-3 STANDARD) AND INCLUDE A PRE-INSTALLED PULL TAPE WITH A MINIMUM TENSILE STENGTH OF 210 LBS.
9. WHERE NECESSARY, 45 DEGREE LONG RADIUS ELBOWS SHALL BE USED AT CORNERS.
10. SLACK LOOPS SHALL BE PLACED IN PULL BOXES, SPACED NO FURTHER THAN 600 FEET APART.
11. CONDUITS MUST HAVE A PULL STRING OR TAPE INSTALLED WITH A TENSILE STRENGTH BETWEEN 210 TO 250 LBS. THE PULL STRING SHALL EXTEND AT LEAST 2 FEET BEYOND EACH END OF THE CONDUIT.
12. CONDUIT ENDS SHALL BE CAPPED AFTER INSTALLATION.
13. PLACE WARNING MARKER TAPE ABOVE THE CONDUIT WHEN BACKFILLING. THE TAPE SHOULD INCLUDE TRACEABLE WIRE OR LOCATING TAPE THAT CAN BE DETECTED BY A CABLE LOCATOR. ENSURE THAT THE BACKFILL IS DONE CAREFULLY AROUND THE MARKER TAPE AND CONDUIT, AND THAT THE TRACEABLE WIRE IS KEPT INTACT TO ALLOW FUTURE DETECTION OF THE CONDUIT WITHOUT EXCAVATION.

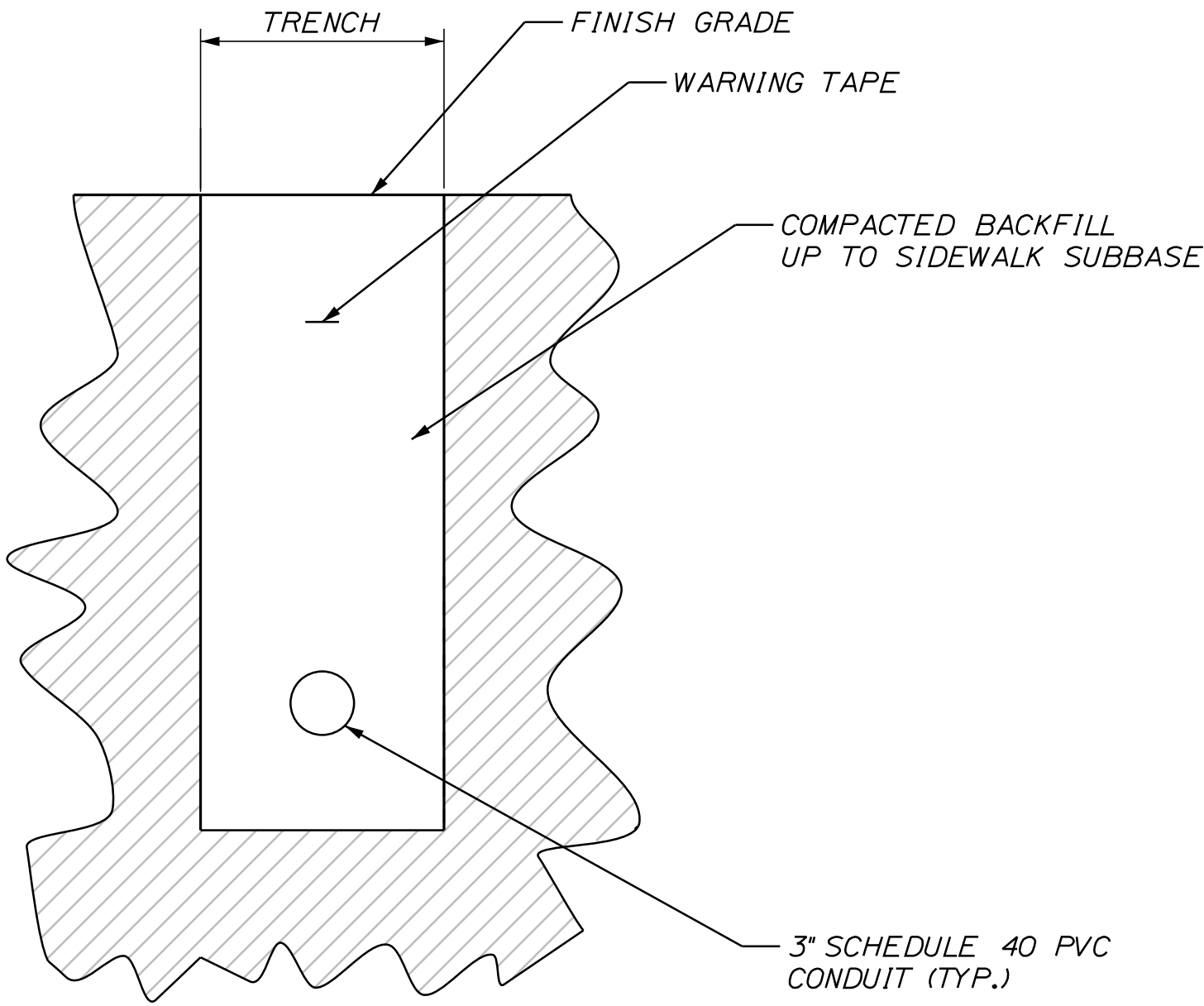
ESTIMATED QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	EA	11
626.22	NON-METALLIC CONDUIT	LF	1,400
626.221	NON-METALLIC CONDUIT, CONCRETE ENCASED	LF	340
652.33	DRUM	EA	40
652.34	CONE	EA	70
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	CD	21
652.38	FLAGGER	HR	300
659.10	MOBILIZATION	LS	1



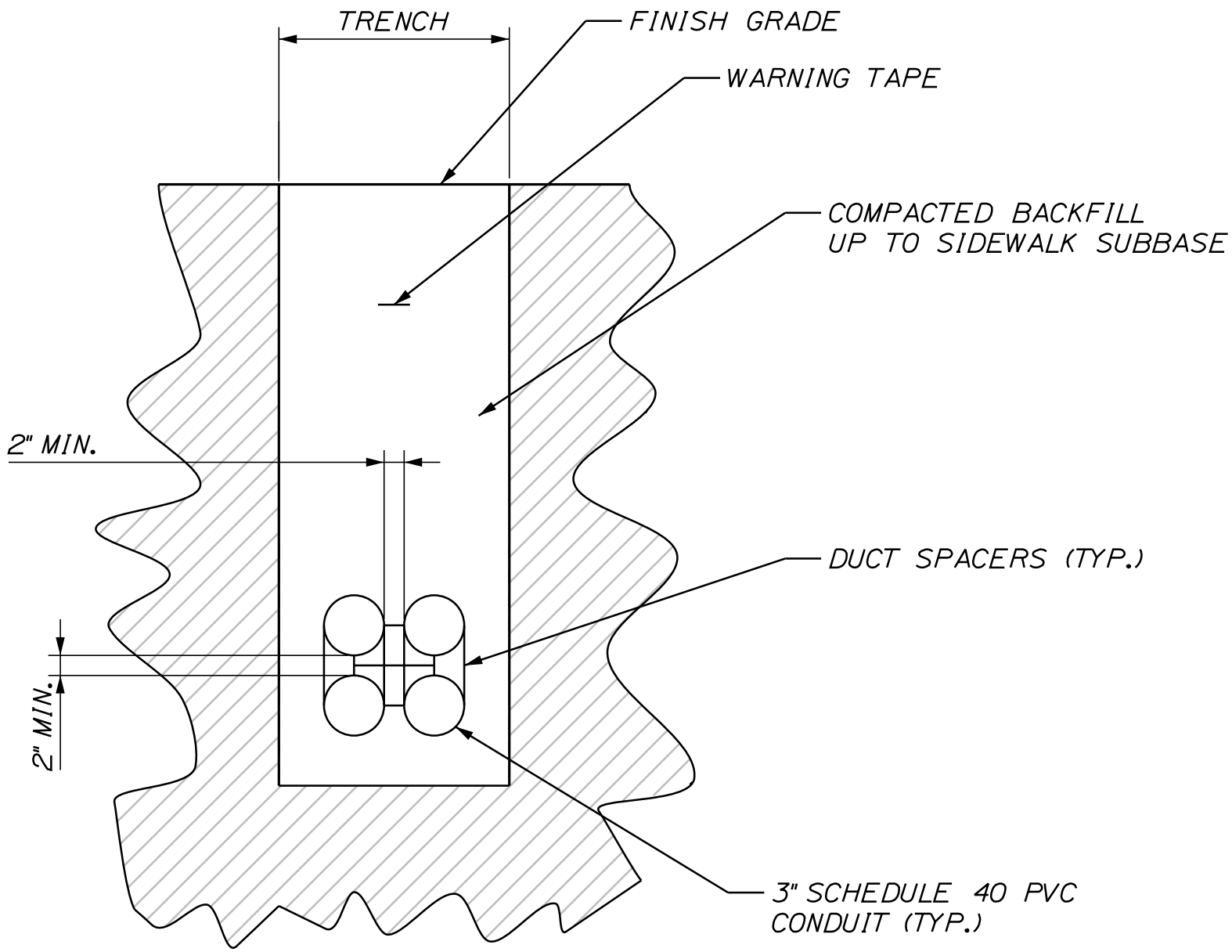
TYPICAL SECTION - CONCRETE ENCASED DUCT BANK (2X2)
NOT TO SCALE



TYPICAL SECTION - CONCRETE ENCASED SINGLE 3" CONDUIT
NOT TO SCALE



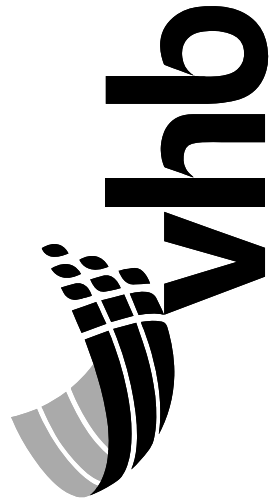
TYPICAL SECTION - SINGLE 3" CONDUIT
NOT TO SCALE



TYPICAL SECTION - DUCT BANK (2X2)
NOT TO SCALE

NOT TO SCALE

CITY OF SANFORD
SANFORDNET FIBER



SANFORD
SANFORDNET FIBER UNDERGROUND CONDUIT

TYPICALS

SHEET NUMBER

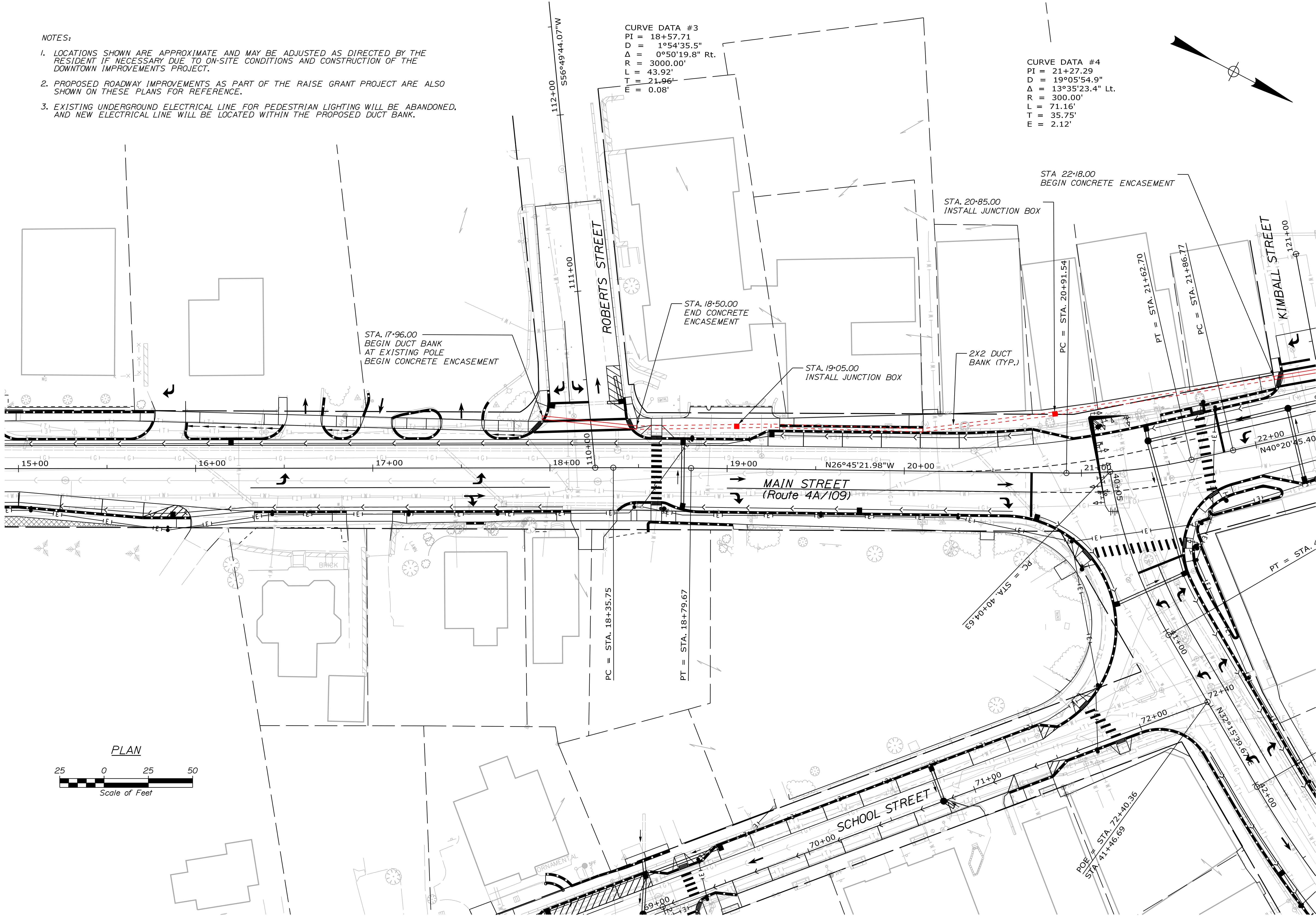
C2

OF 5

- NOTES:
1. LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED AS DIRECTED BY THE RESIDENT IF NECESSARY DUE TO ON-SITE CONDITIONS AND CONSTRUCTION OF THE DOWNTOWN IMPROVEMENTS PROJECT.
 2. PROPOSED ROADWAY IMPROVEMENTS AS PART OF THE RAISE GRANT PROJECT ARE ALSO SHOWN ON THESE PLANS FOR REFERENCE.
 3. EXISTING UNDERGROUND ELECTRICAL LINE FOR PEDESTRIAN LIGHTING WILL BE ABANDONED, AND NEW ELECTRICAL LINE WILL BE LOCATED WITHIN THE PROPOSED DUCT BANK.

CURVE DATA #3
PI = 18+57.71
D = 1°54'35.5"
Δ = 0°50'19.8" Rt.
R = 3000.00'
L = 43.92'
T = 21.96'
E = 0.08'

CURVE DATA #4
PI = 21+27.29
D = 19°05'54.9"
Δ = 13°35'23.4" Lt.
R = 300.00'
L = 71.16'
T = 35.75'
E = 2.12'



CITY OF SANFORD
SANFORDNET FIBER

PROJ. MANAGER	M. HILL	DATE
CHECKED-REVIEWED	END	8/19/2026
DESIGNED-DETAILED	DMP	8/19/2026
DESIGNED-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

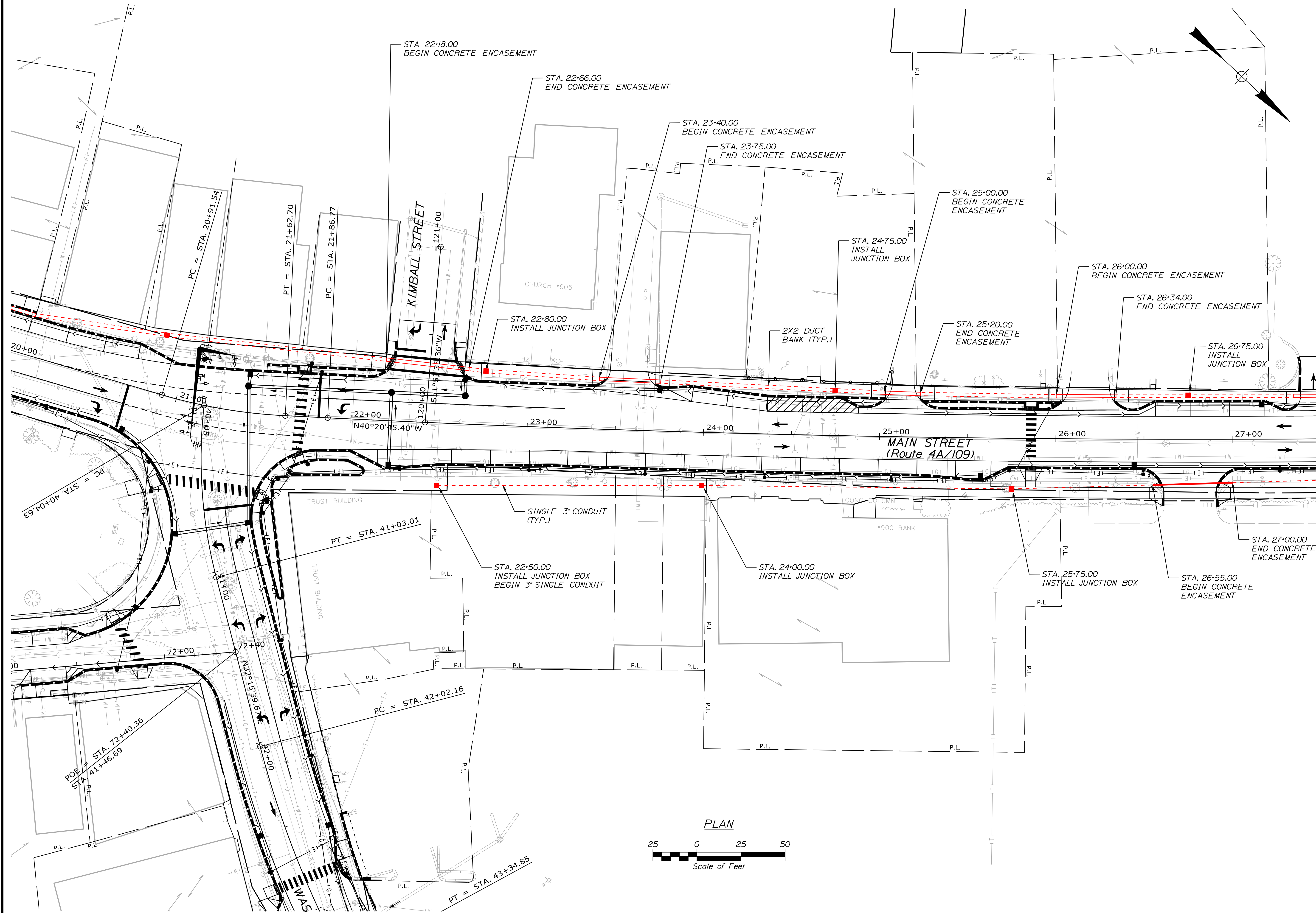
SANFORD
SANFORDNET FIBER UNDERGROUND CONDUIT

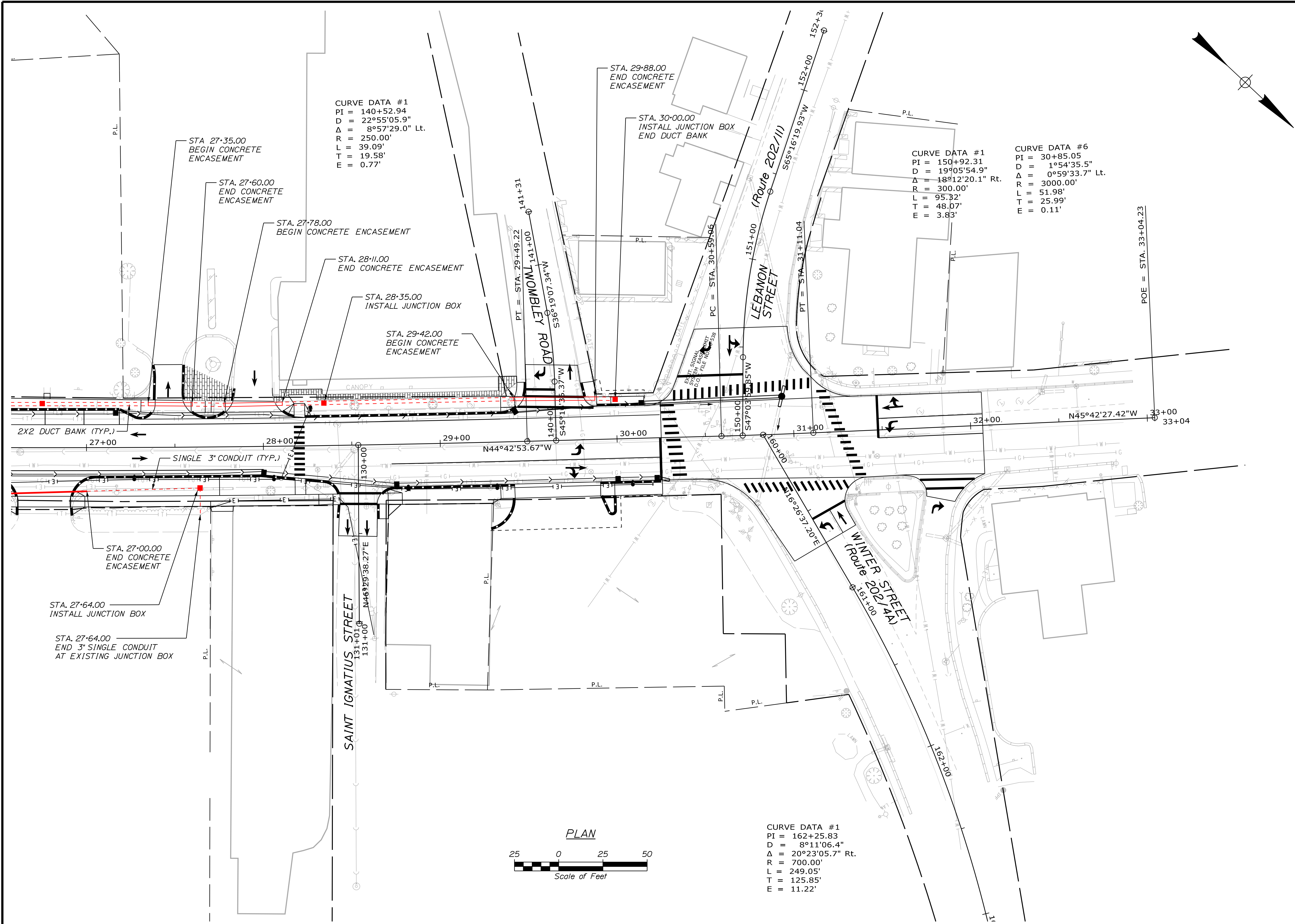
GENERAL PLANS

SHEET NUMBER

C3

OF 5





CITY OF SANFORD SANFORDNET FIBER	
SANFORD SANFORDNET FIBER UNDERGROUND CONDUIT	
GENERAL PLANS	
SHEET NUMBER C5 OF 5	

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	END	CPN	8/19/2026
CHECKED-REVIEWED	DMP	ECF	8/19/2026
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			