

April 17, 2020

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7602830

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2019-CB-094

FEDERAL-AID PROJECT NO. FAP Nos: BRO-0600(005), STPG-0600(006)

Bridge Group 49 - Henderson

South Angell Street (Providence) to Massasoit Avenue (East Providence)

CITY/TOWN OF East Providence, Providence

COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 3 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. General Provisions - Contract Specific

1. Specialty Items

Delete Page CS-7 in its entirety and replace it with Page CS-7 (R-1) attached to this Addendum No. 3. Section 5 – Specialty Items has been revised.

2. Project Quality Control Plan

Delete Page CS-9 in its entirety and replace it with Pages CS-9 (R-1) and CS-9a attached to this Addendum No. 3. Section 6 Subsection P – Project Quality Control Plan has been added.

B. Specification Change/Addition

1. Item 108.1000

Delete Page JS-3 in its entirety and replace it with Page JS-3 (R-1) attached to this Addendum No. 3. Specification for Item 108.1000 has been revised.

2. Item 501.9901

Delete Page JS-40 in its entirety and replace it with Page JS-40 (R-1) attached to this Addendum No. 3. Specification for Item 501.9901 has been revised.

3. Item 920.9901

Delete Page JS-168 in its entirety and replace it with Page JS-168 (R-1) attached to this Addendum No. 3. Specification for Item 920.9901 has been revised.

4. Item 920.9902

Delete Pages JS-169 and JS-170 in their entirety and replace them with Pages JS-169 (R-1) and JS-170 (R-1) attached to this Addendum No. 3. Specification for Item 920.9902 has been revised.

5. Item 937.1000

Delete Page JS-176 in its entirety and replace it with Page JS-176 (R-1) attached to this Addendum No. 3. Specification for Item 937.1000 has been revised.

C. Distribution of Quantities

1. Table of Contents – Distribution of Quantities

Delete Pages Index 1 (R-1) through Index 9 (R-1) in their entirety and replace them with revised Pages Index (R-2) through Index 9 (R-2) attached to this Addendum No. 3.

2. Item Codes 920.0060, 920.0135, and 920.0200

Delete Pages 109 and 110 in their entirety and replace them with Pages 109 (R-1), 109a, 110 (R-1), and 110a attached to this Addendum No. 3. Quantities have been revised.

3. Item Code 923.9901

Delete Page 114 in its entirety and replace with Page 114 (R-1) attached to this Addendum No. 3. Item description has been revised.

4. Item Code T01.9905

Delete Page 129 in its entirety and replace with Page 129 (R-1) attached to this Addendum No. 3. Item description has been revised.

5. Item Code T15.0100

Delete Pages 139 to 146 in their entirety and replace them with Pages 139 (R-1), 140 (R-1), 140a, 141 (R-1), 141a, 142 (R-1), 142a, 143 (R-1), 143a, 144 (R-1), 144a, 145 (R-1), 145a, and 146 (R-1) attached to this Addendum No. 3. Quantities have been revised and item has been flagged as Specialty Item.

6. Item Code T18.9901

Delete Page 148 in its entirety and replace it with Page 148 (R-1) attached to this Addendum No. 3. Quantity has been revised.

7. Specialty Items

Delete Pages 94, 97, 125-127, 147, 148, 151-153, 154 (R-1), 155 (R-1), 156, 157, 158 (R-1), 159-161 in their entirety and replace them with Pages 94 (R-1), 97 (R-1), 125 (R-1) - 127 (R-1), 147 (R-1), 148 (R-1), 148a, 151 (R-1) – 153 (R-1), 154 (R-2), 155 (R-2), 156 (R-1), 157 (R-1), 158 (R-2), 159 (R-1) – 161 (R-1) attached to this Addendum No. 3. Item Codes 901.0151, 903.0205, 903.0250, 903.0410, 903.0411, L02.0101, L02.0102, L02.0105, L05.0506, L06.0513, T15.1000, T15.2000, T15.9901, T16.0100, T16.0300, T18.0100, T20.2406, T20.2412, T20.2804, T20.2812, T20.3401, T20.3402, T20.3405, and T20.3410 have been flagged as Specialty Items.

D. Drawings/Plans - Change/Addition

1. Volume 1 – Signing & Striping Plan No. 2-7

Delete Sheets 150-155 in their entirety and replace them with Sheets 150 (R-1) through 155 (R-1) attached to this Addendum No. 3. The sheets have been revised.

2. Volume 1 – Signing & Striping Plan No. 11
Delete Sheet 159 in its entirety and replace it with Sheet 159 (R-1) attached to this Addendum No. 3. The sheet has been revised.
3. Volume 1 – Signing & Striping Plan No. 16-18
Delete Sheets 164-166 in their entirety and replace them with Sheets 164 (R-1) through 166 (R-1) attached to this Addendum No. 3. The sheets have been revised.
4. Volume 1 – Signing & Striping Typical Details No. 2-3
Delete Sheets 171-172 in their entirety and replace them with Sheets 171 (R-1) through 172 (R-1) attached to this Addendum No. 3. The sheets have been revised.
5. Volume 2 – West Abutment Return and Wingwall Details
Delete Sheet 49 in its entirety and replace it with Sheet 49 (R-1) attached to this Addendum No. 3. The sheet has been revised.
6. Volume 2 – Deck Plan 1
Delete Sheet 102 (R-1) in its entirety and replace it with Sheet 102 (R-2) attached to this Addendum No. 3. The sheet has been revised.
7. Volume 2 – Deck Plans 2 and 3
Delete Sheets 103-104 in their entirety and replace them with Sheets 103 (R-1) through 104 (R-1) attached to this Addendum No 3. The sheets have been revised.
8. Volume 2 – Deck Details 2 and 3
Delete Sheets 106-107 in their entirety and replace them with Sheets 106 (R-1) through 107 (R-1) attached to this Addendum No 3. The sheets have been revised.
9. Volume 2 – South Barrier Transition Details 1 and 2
Delete Sheets 116-117 in their entirety and replace them with Sheets 116 (R-1) through 117 (R-1) attached to this Addendum No 3. The sheets have been revised.
10. Volume 2 – Drainage Details 1-3
Delete Sheets 121-123 in their entirety and replace them with Sheets 121 (R-1) through 123 (R-1) attached to this Addendum No 3. The sheets have been revised.
11. Volume 2 – Retaining Wall No. 1 Plan and Elevation 1
Delete Sheet 125 in its entirety and replace it with Sheet 125 (R-1) attached to this Addendum No 3. The sheet has been revised.
12. Volume 2 – Retaining Wall Details 2
Delete Sheet 132 in its entirety and replace it with Sheet 132 (R-1) attached to this Addendum No 3. The sheet has been revised.
13. Volume 2 – Moment Slab Details 1 and 2
Delete Sheets 134-135 in their entirety and replace them with Sheets 134 (R-1) through 135 (R-1) attached to this Addendum No 3. The sheets have been revised.

14. Volume 2 – Miscellaneous Details

Delete Sheet 137 in its entirety and replace it with Sheet 137 (R-1) attached to this Addendum No. 3. The sheet has been revised.

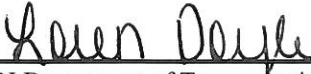
15. Volume 2 – Bridge No. 059501 Demolition Plan 1

Delete Sheet 142 in its entirety and replace it with Sheet 142 (R-1) attached to this Addendum No. 3. The sheet has been revised.

E. Existing Information

1. Existing Plans and Inspection Reports

Existing plans and inspection reports are provided separately with this Addendum No. 3.



RI Department of Transportation
for Manager, Division of Project Management

- d. If any gas facility is exposed or damaged, contact 877-304-1203 for an inspector to be dispatched to the site.
- e. For a gas leak, contact the gas leak line at 800-640-1595.

National Grid will purge the old gas main of gas, wipe test sample the inside of the pipe, cap the ends and abandon in place. If the wipe test results show PCB contamination and a section or sections need to be removed by the Contractor, then it will be the responsibility of and cost to the Contractor to hire Clean Harbors to provide and open top container to accept the removed sections of pipe, arrange to have the pipe cleaned to meet environmental requirements, and to dispose of the pipe sections as scrap metal. National Grid also requires that the open pipe ends of the abandoned pipe remaining in the ground be sealed or capped.

4. COORDINATION WITH OTHER CONTRACTS

It shall be the Contractor's responsibility to coordinate, cooperate and schedule his work and all segments thereof with the Engineer, other contractors, utility owners, and applicable local authorities, so as to minimize impacts to the construction schedule.

The Contractor is hereby notified that the construction contracts listed below will be ongoing simultaneously with his contract and he shall be responsible to coordinate his work efforts with those Contractors.

- R.I. Contract No. 2019-CB-047, F.A. Project No. 405-421-888 Henderson Bridge Fender System/Steel Repairs

5. SPECIALTY ITEMS

Specialty Items in this Contract are as follows:

- Directional, Regulatory, Warning, Delineators and Street Signs (Except temporary construction signs)
- Striping
- Landscape
- Guardrail
- Fencing/railing
- Traffic Signal Systems
- Lighting

6. NOTICE TO CONTRACTORS

A. Standard Specifications

The reference "Standard Specifications" as written in the General Provisions – Contract Specific and the Job Specific Specifications shall mean the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction 2004 Edition, Amended March 2018, including Compilation of Approved Specifications dated September 2018 and Compilation of Approved Specifications dated June 2019.

B. Use of Explosives

The Contractor is NOT allowed to use explosives on this project.

L. Railroad Entry Permit

The Contractor may need to access the Henderson Bridge in East Providence via G&W Property. The gate is located off Waterfront Drive. The Contractor will be required to obtain a railroad entry permit. G&W

Contact Person is as follows:

Donna Killingsworth
Real Estate Manager
G&W Railroad Services, Incorporated
13401 Sutton Park Drive, South, Suite 160
Jacksonville, FL 32224
Office: 904-900-6286
donna.killingsworth@gwrr.com

The cost of this permit (access) will be considered incidental to the Contractor's operations to construct the proposed improvements. The RIDOT will not reimburse the Contractor for this permit (access).

M. Navigation Channel

The Contractor shall maintain the navigational channel as directed in the United State Coast Guard permit.

The Contractor shall maintain the navigational lights at all times.

N. In-Water Work

The Contractor shall note RIDOT committed to the following construction methods:

- Use of wire-saws to remove piers columns underwater (instead of hoe-rams)
- The use of clamshell buckets for the sediment removal (anticipated to be less than 100 cy) to minimize turbidity compared to other technologies such as hydraulic dredging.

O. East River Street

The Contractor shall protect the surfaces East River Street during demolition and construction. Any damage to roadway, curbs and sidewalk shall be restored to the satisfaction of the Engineer at no additional cost of the State.

P. Project Quality Control Plan

In addition to the Contractor's Quality/Process Control requirements included in Sections 202, 300, 401, and 601 of the RI Standard Specifications, the Contractor shall submit for review and approval a comprehensive Quality Control Plan to address each item within the areas of work within the Project. The Contractor shall refer to the RI Standard Specifications including the Master Schedule for the Preparation of a Project Schedule for Sampling, Testing and Certification of Materials to identify the project specific requirements for hot mix asphalt, concrete, and soils.

7. SEQUENCE OF CONSTRUCTION AND SCHEDULE

General Stipulations: The Contractor shall adhere to the following requirements:

- a) The Contractor shall coordinate, cooperate and schedule his work and all segments thereof with the Engineer, other contractors, utility owners, and applicable local authorities, so as to minimize impacts to the construction schedule.

- b) Included as an appendix to these Contract Specific General Provisions is the Transportation Management Plan (TMP) for this project. The TMP lays out the set of coordinated transportation management strategies that will be used to manage the work zone safety and mobility impacts of this project. In the

108.1000
PROSECUTION AND PROGRESS

In accordance with **Subsection 108.08, Failure to Complete on Time, Para. a., Phased and Interim Completion** the following defines the Phase and Interim Completion Dates and Associated Liquidated Damages:

Substantial Completion: See Table Below

All Contract work shall be completed, as defined by Section 101.71.

Liquidated Damages: \$8,000.00 per calendar day.

Substantial Completion
December 1, 2023

Curing compound shall be applied in accordance with the manufacturer's instructions and also Subsection 601.03.8 of the Standard Specifications.

Once the concrete has attained a compressive strength of 3000 psi and a minimum of twenty-four (24) hours curing time, the surface of the concrete shall be carefully power washed to remove any debris without removing the release agent and thereafter sealed.

Repairs and Protection: Repair or replace broken or defective concrete as required. Protect concrete from damage until acceptance of work. Exclude traffic from pavement until the concrete has attained a compressive strength of 3000 psi and for at least 1 day after placement. Maintain pavement free of stain and other damage until accepted by the Engineer. Sweep concrete pavement and wash free of stains, discolorations, dirt, and other foreign material just prior to final inspection.

The Engineer shall determine when the concrete shall be opened to traffic.

METHOD OF MEASUREMENT: “Stamped Concrete for Truck Apron” shall be measured for payment by the number of “Square Yards” installed in accordance with the plans and accepted by the Engineer.

BASIS OF PAYMENT: “Stamped Concrete for Truck Apron” shall be paid for at the contract unit price per “Square Yard” as listed in the proposal. The price so stated constitutes full and complete compensation for all labor, material, equipment, tools, form work, reinforcing, applied finishes and colors and for all incidentals necessary required to finish the work, complete in place and accepted by the Engineer.

METHOD OF MEASUREMENT: “Geotextile Marine Scour Mattress System” will be measured for payment per “Square Foot” installed, complete, in-place and accepted in accordance with the Plans and/or as directed by the Engineer.

BASIS OF PAYMENT: The accepted quantities of “Geotextile Marine Scour Mattress System” will be paid for at the contract bid price per “Square Foot”, as listed in the Proposal. The prices so-stated constitute full and complete compensation for all labor, equipment, materials, transport, preparation, assembly, and installation; preparation and implementation of the Quality Assurance Plan; and all other incidentals required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

“Crushed stone furnished and installed at the subgrade prior to installing geotextile marine mattress system will be paid under Item Code 301.9901 Crushed Stone Fill for Scour Hole”.

CODE 920.9902
TEMPORARY RIPRAP ACCESS TO PIER 7

DESCRIPTION: This item shall consist of construction of temporary riprap access, including separation fabric and temporary fill and grading that the Contractor elects to use to access the work under the existing bridge and on the shoreline of the Seekonk River to access Existing Pier 6/ Proposed Pier 7, as shown on the plans and allowed by the Permits. The access shown on the plans is optional. The Contractor may adjust the details provided they are in conformance with the permits. Also included is the removal of all temporary access and separation fabric upon completion of the work.

The information shown on the plans pertaining to pier access and sequence of construction procedures conveys the assumptions made by the designer in designing the structure and is for information only. The Contractor shall be responsible for selecting the means and methods for construction, subject to environmental permit restrictions. The Contractor shall also design, construction schematics, construction sequences and procedures to the Engineer for review.

The information depicted on the plans has been permitted by the governing local and state agencies. The Contractor shall be responsible for obtaining any revised permits due to changes or modifications to the permitted plans which effects environmental impacts from all governing local and state agencies. The Contractor shall note that obtaining approvals from local and state agencies is an untimely process and should be taken into consideration when selecting the means and methods for construction.

MATERIALS: Materials shall be selected by the Contractor and shall be suitable and fit for the intended purpose of supporting contractor's equipment.

Separation fabric shall be a filter fabric material included on the Department's Approved Materials List. Temporary rip rap and temporary fill shall consist of sound, tough, durable particles of crushed or uncrushed stone and gravel, and shall be washed or well screened to eliminate fine particles.

CONSTRUCTION METHODS: When the Contractor's means and methods for construction meet all requirements established in the regulatory permits for the project, he shall, at least 30 calendar days prior to the start of construction of the temporary access, submit to the Engineer, for his review and approval, detailed final site access and methodology working drawings. The working drawings must be prepared, stamped and signed by a Professional Engineer licensed in the State of Rhode Island. These plans shall include limits of temporary rip rap and fill, details for temporary access platforms.

If the Contractor's means and methods for construction do not meet all requirements established in the regulatory permits for the project, he shall allot the time in his schedule to obtain revised permits and the Engineer's approval. The furnishing of such plans, methods shall not serve to relieve the Contractor of his responsibility for the safety of the work and the successful completion of the project. The Contractor's proposal must meet all requirements established in regulatory permits for the project.

METHOD OF MEASUREMENT: The accepted quantity of "Temporary Riprap Access to Pier 7" will be paid for at the contract unit price per "Ton" as listed in the Proposal. The price so stated constitutes full and complete compensation for all labor, materials and equipment, and all incidentals required to finish the work, complete and accepted by the Engineer.

BASIS OF PAYMENT: The accepted quantities of “Temporary Riprap Access to Pier 7” will be paid for at the contract unit price per “Ton” as listed in the Proposal. The price stated constitutes full and complete compensation for all labor, tools, materials and equipment, and all incidentals required to finish the work, complete in place and accepted by the Engineer.

937.1000
MAINTENANCE AND MOVEMENT OF TRAFFIC PROTECTIVE DEVICES

Description. Subsection 937.05.2; Failure to Comply, of the Standard Specifications, requires that daily charges be deducted from monies due the Contractor for failure to satisfactorily maintain traffic control devices or to remove and relocate traffic control devices in accordance with the provisions of the contract.

- a) **Maintenance.** If, in the judgment of the Engineer, the Contractor fails to adequately and safely maintain traffic control devices along any portion of the project, a charge will be assessed for each day the Contractor is determined to be in noncompliance.

The charge for this Contract will be \$ 1,000.00 per day.

- b) **Movement.** If the Contractor fails to remove and/or relocate traffic control devices for compliance with the traffic-related work restrictions included in the Transportation Management Plan or to otherwise meet changes in traffic conditions, construction operations, or other conditions affecting the safety and/or mobility of the traveling public, a charge will be assessed for each day the Contractor is determined to be in noncompliance.

The charge for this Contract will be \$ 1,000.00 per lane per hour.

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Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

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201.0320	CLEARING AND GRUBBING	1
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179	808.0120	CONCRETE SUBSTRUCTURE CLASS A	CY			
		3/4'' TREMIE				
		CONTRACT WIDE				
		CONTRACT WIDE		190.00	0011	01
		Item 808.0120 Total:		190.00		
180	826.9901	REMOVAL OF LEADED JOINT FILLER	LF			
		HENDERSON BRIDGE				
		EXISTING PIERS 1-6		1,077.00	0011	01
		Item 826.9901 Total:		1,077.00		
181	826.9902	MANAGEMENT OF LEADED JOINT FILLER	LBS			
		- RECYCLING				
		HENDERSON BRIDGE				
		PIERS 1-6		2,095.00	0011	01
		Item 826.9902 Total:		2,095.00		
S182	901.0151	TERMINAL END SECTION SINGLE FACE	EACH			
		STANDARD 34.3.2				
		HENDERSON PARKWAY				
		STA. 136+08 LT		1.00	0011	01
		WATERFRONT DRIVE SOUTH				
		STA. 303+78 LT		1.00	0011	01
		STA. 310+04 LT		1.00	0011	01
		STA. 311+67 LT		1.00	0011	01
		WATERMAN AVENUE				
		STA. 805+08 LT		1.00	0011	01
		Item 901.0151 Total:		5.00		
S183	901.9901	GUARDRAIL STEEL BEAM ANCHORAGE	EACH			
		TRAILING END SECTION (MASH TL-3)				
		HENDERSON PARKWAY				
		STA. 136+08 TO STA. 136+19 LT		1.00	0021	02

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190	902.9901	Cont.				
		Item 902.9901 Total:		2.00		
S191	903.0205	CHAIN LINK FENCE 5' STD 31.2.0	LF			
		HENDERSON PARKWAY				
		STA. 99+18 TO 104+13 RT		473.00	0011	01
		Item 903.0205 Total:		473.00		
S192	903.0250	SPLIT RAIL FENCE	LF			
		WATERFRONT DRIVE SOUTH				
		STA. 311+70 TO 317+93 LT		652.00	0011	01
		Item 903.0250 Total:		652.00		
S193	903.0410	TEMPORARY CHAIN LINK FENCE	LF			
		TEMPORARY TRAFFIC CONTROL				
		PROJECT WIDE		15,100.00	0011	01
		Item 903.0410 Total:		15,100.00		
S194	903.0411	TEMPORARY CHAIN LINK GATE	EACH			
		TEMPORARY TRAFFIC CONTROL				
		PHASE 1		2.00	0011	01
		PHASE 2		4.00	0011	01
		PHASE 3		4.00	0011	01
		PHASE 4		5.00	0011	01
		PHASE 5		2.00	0011	01
		Item 903.0411 Total:		17.00		
195	905.0110	PORTLAND CEMENT SIDEWALK	CY			
		MONOLITHIC STANDARD 43.1.0				
		CURTIS STREET				
		STA. 900+36 TO 900+62 RT		2.00	0011	01
		STA. 900+47 TO 900+65 LT		1.00	0011	01
		STA. 901+01 TO 901+15		1.00	0011	01
		HENDERSON PARKWAY				

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216	920.0055	PLACED STONE RIPRAP R-3, R-4, R-5	SY			
		STANDARD 8.3.0				
		HENDERSON PARKWAY				
		STA. 119+73		36.00	0011	01
		STA. 120+88		25.00	0011	01
		WATERFRONT DRIVE SOUTH				
		STA. 316+78		19.00	0011	01
Item 920.0055 Total:				80.00		
217	920.0060	PLACED STONE RIPRAP R-6, R-7, R-8	SY			
		HENDERSON PARKWAY STA.117+50 TO				
		STA. 118+50				
		EAST ABUTMENT AND RETAINING		730.00	0011	01
		WALLS				
		SPAN 8 SCUPPER OUTFALL		20.00	0011	01
Item 920.0060 Total:				750.00		
218	920.0135	BEDDING FOR RIPRAP FS-2 STANDARD	SY			
		8.3.0				
		HENDERSON PARKWAY				
		STA. 119+73		36.00	0011	01
		STA. 120+88		25.00	0011	01
		HENDERSON PARKWAY STA. 117+50				
		TO STA. 118+50				
		EAST ABUTMENT AND RETAINING		730.00	0011	01
		WALLS				
		SPAN 8 SCUPPER OUTFALL		20.00	0011	01
		WATERFRONT DRIVE SOUTH				
		STA. 316+78		19.00	0011	01
Item 920.0135 Total:				830.00		
219	920.0200	FILTER FABRIC FOR RIP-RAP	SY			
		HENDERSON PARKWAY				

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219	920.0200	Cont.				
		STA. 119+73		36.00	0011	01
		STA. 120+88		25.00	0011	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
219	920.0200 Cont.	TO STA. 118+50				
		HENDERSON PARKWAY STA. 117+50				
		EAST ABUTMENT AND RETAINING WALLS		730.00	0011	01
		SPAN 8 SCUPPER OUTFALLS		20.00	0011	01
		WATERFRONT DRIVE SOUTH				
		STA. 316+78		19.00	0011	01
Item 920.0200 Total:				830.00		
220	920.9901	GEOTEXTILE MARINE SCOUR	SF			
		MATTRESS SYSTEM				
		HENDERSON BRIDGE				
		PIERS 2-6		33,200.00	0011	01
Item 920.9901 Total:				33,200.00		
221	920.9902	TEMPORARY RIPRAP ACCESS TO PIER 7	TON			
		HENDERSON BRIDGE				
		CONTRACT WIDE		425.00	0011	01
Item 920.9902 Total:				425.00		
222	920.9903	REMOVE, STOCKPILE, AND REINSTALL	SY			
		RIPRAP				
		HENDERSON BRIDGE				
		EXISTING PIER 7 PLINTH AND TEMPORARY SUPPORT		60.00	0011	01
		EXISTING PIER6 (PROPOSED PIER 7)		330.00	0011	01
		EXISTING WEST PIER		30.00	0011	01
Item 920.9903 Total:				420.00		
223	920.9904	FURNISH AND INSTALL SUPPLEMENTAL	SY			
		RIPRAP				
		HENDERSON BRIDGE				

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
223	920.9904	Cont. EXISTING PIER 6 (REMOVED		20.00	0011	01

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FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
228	923.0200	FLUORESCENT TRAFFIC CONES STANDARD	EACH			
		26.1.0				
		TEMPORARY TRAFFIC CONTROL				
		PROJECT WIDE		300.00	0011	01
		Item 923.0200 Total:		300.00		
229	923.9901	LONGITUDINAL PEDESTRIAN	LF			
		CHANNELIZING DEVICE				
		TEMPORARY TRAFFIC CONTROL				
		PROJECT WIDE		2,040.00	0011	01
		Item 923.9901 Total:		2,040.00		
230	924.0113	ADVANCE WARNING ARROW PANEL	PDAY			
		TEMPORARY TRAFFIC CONTROL				
		PROJECT WIDE		1,260.00	0011	01
		Item 924.0113 Total:		1,260.00		
231	925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	PDAY			
		TEMPORARY TRAFFIC CONTROL				
		PROJECT WIDE		25,700.00	0011	01
		Item 925.0112 Total:		25,700.00		
232	926.9901	UNANCHORED BARRIER FOR TEMPORARY	LF			
		TRAFFIC CONTROL (MASH TL-3)				
		TEMPORARY TRAFFIC CONTROL				
		PROJECT WIDE		14,000.00	0021	02
		Item 926.9901 Total:		14,000.00		
233	926.9902	ANCHORED BARRIER FOR TEMPORARY	LF			
		TRAFFIC CONTROL (MASH TL-3)				
		TEMPORARY TRAFFIC CONTROL				
		PROJECT WIDE		450.00	0021	02
		Item 926.9902 Total:		450.00		

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 R.I. Contract No. - 2019-CB-094
 FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
253	L01.0102 Cont.	WATERFRONT DRIVE TO MASSASOIT AVENUE				
		WATERFRONT DRIVE TO MASSASOIT AVENUE		3,415.00	0011	01
		WILMARTH AVENUE				
		STA. 600+69 TO 601+38 LT		47.00	0011	01
		STA. 600+69 TO 601+51		380.00	0011	01
Item L01.0102 Total:				78,255.00		
S254	L01.9901	WETLAND MITIGATION	LS			
		WETLAND MITIGATION PLAN				
		WETLAND MITIGATION PLAN		1.00	0011	01
Item L01.9901 Total:				1.00		
S255	L02.0101	GENERAL HIGHWAY SEEDING (TYPE 1)	SY			
		HENDERSON PARKWAY				
		STA. 115+46 TO 124+52 RT		10,026.00	0011	01
		STA. 116+78 TO 123+13 LT		1,499.00	0011	01
		STA. 121+68 TO 124+69 RT		277.00	0011	01
		STA. 121+76 TO 125+67		292.00	0011	01
		STA. 121+93 TO 123+06 LT		109.00	0011	01
		STA. 123+07 TO 123+61 LT		108.00	0011	01
		STA. 124+16 TO 125+63 RT		730.00	0011	01
		STA. 127+34 TO 131+41		523.00	0011	01
		STA. 94+28 TO 101+14 LT		506.00	0011	01
		STA. 94+84 TO 101+88 RT		867.00	0011	01
		STA. 98+05 TO 104+75 RT		3,640.00	0011	01
		MASSASOIT AVENUE				
		STA. 500+00 TO 502+00 LT		545.00	0011	01
		STA. 510+89 TO 503+40		299.00	0011	01
		MASSASOIT AVENUE TO HENDERSON PARKWAY				
		MASSASOIT AVENUE TO HENDERSON PARKWAY		16,321.00	0011	01

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 R.I. Contract No. - 2019-CB-094
 FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S255	L02.0101	Cont.				
		HENDERSON PARKWAY				
		ROUNDABOUT				
		ROUNDABOUT		680.00	0011	01
		SOUTH ANGELL STREET				
		STA. 201+03 TO 205+23 RT		842.00	0011	01
		STA. 201+14 TO 207+65 LT		985.00	0011	01
		STA. 201+30 TO 206+44 RT		392.00	0011	01
		WATERFRONT DRIVE				
		STA. 300+50 TO 302+25 LT		119.00	0011	01
		STA. 300+50 TO 305+38 RT		1,247.00	0011	01
		STA. 302+68 TO 317+82 LT		21,364.00	0011	01
		STA. 305+36 TO 307+28 RT		490.00	0011	01
		STA. 305+64 TO 307+70 RT		254.00	0011	01
		STA. 307+34 TO 307+45 RT		9.00	0011	01
		STA. 307+61 TO 308+98 RT		386.00	0011	01
		STA. 311+84 TO 317+82 LT		308.00	0011	01
		STA. 319+17 TO 321+09		313.00	0011	01
		STA. 400+30 TO 400+71 LT		222.00	0011	01
		WATERFRONT DRIVE TO HENDERSON PARKWAY				
		WATERFRONT DRIVE TO HENDERSON PARKWAY		10,308.00	0011	01
		WATERFRONT DRIVE TO MASSASOIT				
		WATERFRONT DRIVE TO MASSASOIT		3,415.00	0011	01
		WILMARTH AVE				
		STA. 600+69 TO 601+38 LT		47.00	0011	01
		STA. 600+69 TO 601+51		380.00	0011	01
Item L02.0101 Total:				77,503.00		
S256	L02.0102	RESIDENTIAL SEEDING (TYPE 2)	SY			
		TEMPORARY TRAFFIC CONTROL				
		PHASE 1		1,140.00	0011	01
		SUPPLEMENTAL QTY		300.00	0011	01

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 FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S256	L02.0102	Cont. WATERFRONT DRIVE				
		STA. 304+68 TO 305+11 RT		6.00	0011	01
		STA. 305+54 TO 305+63 RT		2.00	0011	01
		STA. 307+45 TO 307+63 RT		4.00	0011	01
		STA. 307+85 TO 307+92 RT		3.00	0011	01
		STA. 310+17 TO 310+18 RT		1.00	0011	01
		STA. 313+43 TO 313+46 RT		1.00	0011	01
Item L02.0102 Total:				1,457.00		
S257	L02.0105	WETLAND SEED MIX (TYPE 5)	SY			
		PROJECT WIDE				
		PROJECT WIDE		1,270.00	0011	01
Item L02.0105 Total:				1,270.00		
S258	L05.0506	JUTE MESH	SY			
		PROJECT WIDE				
		PROJECT WIDE		7,900.00	0011	01
Item L05.0506 Total:				7,900.00		
S259	L06.0513	WOOD CHIPS FURNISH AND SPREAD 4''	SY			
		DEPTH				
		WATERFRONT DRIVE				
		STA. 309+57 TO STA. 309+74 RT		3.00	0011	01
Item L06.0513 Total:				3.00		
S260	T01.9901	DECORATIVE LIGHTING STANDARD TYPE	EACH			
		"A2"				
		HENDERSON BRIDGE				
		LIGHTING PLAN NO. 2		1.00	0011	01
		LIGHTING PLAN NO. 3		3.00	0011	01
		LIGHTING PLAN NO. 4		2.00	0011	01
		LIGHTING PLAN NO. 5		2.00	0011	01
Item T01.9901 Total:				8.00		

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R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S263	T01.9904	Cont.				
Item T01.9904 Total:				14.00		
S264	T01.9905	CENTER CHANNEL MARKER LIGHT LUMINAIRE TYPE "CCM" HENDERSON BRIDGE LIGHTING PLAN NO. 4	EACH	2.00	0011	01
Item T01.9905 Total:				2.00		
S265	T01.9906	UNDERPASS LIGHTING LUMINAIRE TYPE "C1" HENDERSON BRIDGE LIGHTING PLAN NO. 3	EACH	4.00	0011	01
Item T01.9906 Total:				4.00		
S266	T01.9907	TEMPORARY CENTER CHANNEL MARKER LIGHT TYPE "TCCM" HENDERSON BRIDGE LIGHTING PLAN NO. 2	EACH	2.00	0011	01
Item T01.9907 Total:				2.00		
S267	T01.9908	PULL BOX TYPE "W1" HENDERSON BRIDGE LIGHTING PLAN NO. 2 LIGHTING PLAN NO. 5	EACH	1.00	0011	01
Item T01.9908 Total:				2.00		
S268	T01.9909	DECORATIVE LIGHTING STANDARD TYPE "B21" HENDERSON BRIDGE LIGHTING PLAN NO. 3 LIGHTING PLAN NO. 4 LIGHTING PLAN NO. 5 LIGHTING PLAN NO. 6	EACH	3.00	0011	01
Item T01.9909 Total:				1.00	0011	01

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 R.I. Contract No. - 2019-CB-094
 FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S290	T08.0100	Cont.				
		LIGHTING PLAN NO. 7		10.00	0011	01
		LIGHTING PLAN NO. 8		5.00	0011	01
Item T08.0100 Total:				48.00		
S291	T09.1000	SERVICE PEDESTAL STANDARD 18.4.0	EACH			
		HENDERSON BRIDGE				
		LIGHTING PLAN NO. 19		1.00	0011	01
Item T09.1000 Total:				1.00		
S292	T12.9906	MAINTENANCE OF TEMPORARY TRAFFIC SIGNAL SYSTEMS	LS			
		PROJECT WIDE				
		AS NEEDED		1.00	0011	01
Item T12.9906 Total:				1.00		
S293	T15.0100	DIRECTIONAL REGULATORY AND WARNING SIGNS	SF			
		CURTIS STREET				
		STA. 900+99 RT R1-1 (30"x30")		6.25	0021	02
		STA. 900+99 RT R3-2 (24"x24")		4.00	0021	02
		STA. 901+06 LT R12-3 (24"x36")		6.00	0021	02
		STA. 901+07 RT R4-7 (24"x30")		5.00	0021	02
		HENDERSON PARKWAY				
		STA. 100+57 RT W11-15 (30"x30")		6.25	0021	02
		STA. 100+57 RT W16-9P (24"x12")		2.00	0021	02
		STA. 102+03 LT W11-15R (30"x30")		6.25	0021	02
		STA. 102+03 LT W16-7PR (24"x12")		2.00	0021	02
		STA. 102+04 RT R1-1 (24"x24")		4.00	0021	02

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FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.				
		STA. 102+04 RT W11-15L (30"x30")		6.25	0021	02
		STA. 102+04 RT W16-7PL (24"x12")		2.00	0021	02
		STA. 102+92 LT R4-7 (24"x30")		5.00	0021	02
		STA. 121+70 RT W13-1P (18"x18")		2.25	0021	02
		STA. 121+70 RT W2-6 (30"x30")		6.25	0021	02
		STA. 121+78 R4-7 (24"x30")		5.00	0021	02
		STA. 122+73 R6-1R (54"x18")		6.75	0021	02
		STA. 122+82 RT R3-8(MOD) (45"x30")		9.50	0021	02
		STA. 122+94 LT R1-1 (30"x30")		6.25	0021	02
		STA. 122+94 LT R3-2 (24"x24")		4.00	0021	02
		STA. 123+57 LT R4-7 (24"x30")		5.00	0021	02
		STA. 123+57 LT W12-1 (30"x30")		6.25	0021	02
		STA. 124+09 RT W12-1 (30"x30")		6.25	0021	02
		STA. 124+37 RT D1-1D(4) (78"x18")		9.75	0021	02
		STA. 124+37 RT M1-1 (30"x24")		5.00	0021	02
		STA. 124+37 RT M3-4 (24"x12")		2.00	0021	02
		STA. 124+37 RT M4-5 (24"x12")		2.00	0021	02
		STA. 124+37 RT M6-2R (21"x15")		2.25	0021	02
		STA. 125+17 R6-1R (54"x18")		6.75	0021	02
		STA. 125+36 LT R1-2 (36"x36"x36")		4.00	0021	02
		STA. 125+36 LT R3-2 (24"x24")		4.00	0021	02
		STA. 125+50 LT R1-2 (36"x36"x36")		4.00	0021	02
		STA. 125+54 RT R1-2		7.00	0021	02

Distribution of Quantities

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R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.				
		(48"x48"x48")				
		STA. 125+57 RT R1-2		7.00	0021	02
		(48"x48"x48")				
		STA. 125+62 LT D1-1D(3)		9.75	0021	02
		(78"x18")				
		STA. 125+64 RT D11-1		3.00	0021	02
		(24"X18")				
		STA. 125+64 RT M6-3 (21"X15")		2.25	0021	02
		STA. 126+10 RT R6-4b		10.00	0021	02

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FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.	(60"x24")			
		STA. 126+16 RT R1-2		7.00	0021	02
		(48"x48"x48")				
		STA. 126+45 LT R6-4b		10.00	0021	02
		(60"x24")				
		STA. 126+80 LT R6-4b		10.00	0021	02
		(60"x24")				
		STA. 126+82 RT R6-4b		10.00	0021	02
		(60"x24")				
		STA. 127+05 RT R1-2		7.00	0021	02
		(48"x48"x48")				
		STA. 127+33 LT R1-2		7.00	0021	02
		(48"x48"x48")				
		STA. 127+37 LT R1-2		7.00	0021	02
		(48"x48"x48")				
		STA. 127+41 RT D1-1D(1)		11.25	0021	02
		(90"x18")				
		STA. 128+48 LT R3-8(MOD)		6.25	0021	02
		(30"x30")				
		STA. 130+91 LT D11-1		3.00	0021	02
		(24"X18")				
		STA. 130+91 LT M6-2L		2.25	0021	02
		(21"X15")				
		STA. 131+71 LT W13-1P		2.25	0021	02
		(18"x18")				
		STA. 131+71 LT W2-6 (30"x30")		6.25	0021	02
		STA. 134+69 RT W19-1(MOD)		9.00	0021	02
		(54"x24")				
		STA. 136+45 RT W4-2L		9.00	0021	02
		(36"x36")				
		STA. 138+19 RT W19-5		7.50	0021	02
		(45"x24")				
		STA. 139+00 LT R2-1 (24"x30")		5.00	0021	02

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FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.				
		STA. 42+04 RT R9-7(MOD)		1.50	0021	02
		(12"x18")				
		STA. 45+02 LT R9-7(MOD)		1.50	0021	02
		(12"x18")				
		STA. 45+66 RT R9-7(MOD)		1.50	0021	02
		(12"x18")				
		STA. 94+96 RT R5-6 (24"x24")		4.00	0021	02
		STA. 97+92 RT R1-1 (24"x24")		4.00	0021	02
		STA. 97+95 RT W11-15L		6.25	0021	02

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FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.	(30"x30")			
		STA. 97+95 RT W16-7PL		2.00	0021	02
		(24"x12")				
		STA. 97+99 RT R5-3 (24"x24")		4.00	0021	02
		STA. 98+20 RT W11-15L		6.25	0021	02
		(30"x30")				
		STA. 98+20 RT W16-7PL		2.00	0021	02
		(24"x12")				
		MASSASOIT AVENUE				
		STA. 500+85 LT R1-2		7.00	0021	02
		(48"x48"x48")				
		STA. 500+88 LT R1-2		7.00	0021	02
		(48"x48"x48")				
		STA. 500+95 RT D1-1D(2)		9.75	0021	02
		(78"x18")				
		STA. 501+92 LT D1-1D(3)		9.75	0021	02
		(78"x18")				
		STA. 501+98 LT W12-1		6.25	0021	02
		(30"x30")				
		STA. 502+54 LT R3-8(MOD)		6.25	0021	02
		(30"x30")				
		STA. 503+23 R4-7 (24"x30")		5.00	0021	02
		STA. 504+00 LT D11-1		3.00	0021	02
		(24"x18")				
		STA. 504+00 LT M6-2L		2.25	0021	02
		(21"x15")				
		STA. 504+51 LT W13-1P		2.25	0021	02
		(18"x18")				
		STA. 504+51 LT W2-6 (30"x30")		6.25	0021	02
		STA. 508+44 R4-7 (24"x30")		5.00	0021	02
		STA. 509+75 R4-7 (24"x30")		5.00	0021	02
		SOUTH ANGELL STREET				
		STA. 201+12 RT R5-1 (36"x36")		9.00	0021	02

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FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont. STA. 201+12 RT R6-1L (54"x18")		6.75	0021	02

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FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.				
		STA. 201+12 RT R6-1R		6.75	0021	02
		(54"x18")				
		STA. 201+19 LT R3-1 (36"x36")		9.00	0021	02
		STA. 201+19 LT R5-1 (36"x36")		9.00	0021	02
		STA. 201+19 LT R6-1L		6.75	0021	02
		(54"x18")				
		STA. 201+19 LT R6-1R		6.75	0021	02
		(54"x18")				
		STA. 202+51 LT R5-1A		8.75	0021	02
		(42"x30")				
		STA. 202+51 RT R5-1A		8.75	0021	02
		(42"x30")				
		WATERFRONT DRIVE - SOUTH				
		STA. 302+40 LT R1-1 (30"x30")		6.25	0021	02
		STA. 305+36 RT W11-1L		6.25	0021	02
		(30"x30")				
		STA. 305+36 RT W16-7PL		2.00	0021	02
		(24"x12")				
		STA. 305+71 RT W11-1R		6.25	0021	02
		(30"x30")				
		STA. 305+71 RT W16-7PR		2.00	0021	02
		(24"x12")				
		STA. 305+90 RT W11-1R		6.25	0021	02
		(30"x30")				
		STA. 305+90 RT W16-7PR		2.00	0021	02
		(24"x12")				
		STA. 306+06 RT W11-1L		6.25	0021	02
		(30"x30")				
		STA. 306+06 RT W16-7PL		2.00	0021	02
		(24"x12")				
		STA. 306+73 LT M1-1 (30"x24")		5.00	0021	02
		STA. 306+73 LT M3-4 (24"x12")		2.00	0021	02
		STA. 306+73 LT M4-5 (24"x12")		2.00	0021	02

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R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.				
		STA. 306+73 LT M6-3 (21"x15")		2.25	0021	02
		STA. 307+63 RT R3-4 (24"x24")		4.00	0021	02
		STA. 307+83 LT R3-8 (30"x30")		6.25	0021	02
		STA. 308+69 RT R2-1 (30"x36")		7.50	0021	02
		STA. 310+10 RT R1-1 (30"x30")		6.25	0021	02
		STA. 311+04 RT R10-6 (24"x36")		6.00	0021	02
		STA. 311+51 RT D11-1 (24"x18")		3.00	0021	02
		STA. 311+51 RT M6-1L (21"x15")		2.25	0021	02
		STA. 311+51 RT R9-5 (12"x18")		1.50	0021	02
		STA. 311+69 LT R10-23 (24"x30")		5.00	0021	02
		STA. 311+69 RT R10-23 (24"x30")		5.00	0021	02

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.				
		STA. 311+80 RT R10-24(MOD)		1.50	0021	02
		(12"x18")				
		STA. 311+87 LT W11-15L		9.00	0021	02
		(36"x36")				
		STA. 311+87 LT W11-15R		9.00	0021	02
		(36"x36")				
		STA. 311+87 LT W16-7PL		2.00	0021	02
		(24"x12")				
		STA. 311+87 LT W16-7PR		2.00	0021	02
		(24"x12")				
		STA. 311+88 RT W11-15L		9.00	0021	02
		(36"x36")				
		STA. 311+88 RT W11-15R		9.00	0021	02
		(36"x36")				
		STA. 311+88 RT W16-7PL		2.00	0021	02
		(24"x12")				
		STA. 311+88 RT W16-7PR		2.00	0021	02
		(24"x12")				
		STA. 311+90 LT R5-3 (24"x24")		4.00	0021	02
		STA. 312+14 LT R9-7(MOD)		1.50	0021	02
		(12"x18")				
		STA. 312+25 LT R10-6		6.00	0021	02
		(24"x36")				
		STA. 312+62 LT D11-1		3.00	0021	02
		(24"x18")				
		STA. 312+62 LT M6-1R		2.25	0021	02
		(21"x15")				
		STA. 312+91 LT W16-9P		1.25	0021	02
		(18"x9")				
		STA. 312+91 LT W3-3 (18"x18")		2.25	0021	02
		STA. 313+41 RT R1-1 (30"x30")		6.25	0021	02
		STA. 315+44 LT R2-1 (30"x36")		7.50	0021	02
		STA. 316+60 RT R12-3		6.00	0021	02

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.	(24"x36")			
		STA. 316+68 RT W12-1		6.25	0021	02
		(30"x30")				
		STA. 316+93 LT R3-2 (36"x36")		9.00	0021	02
		STA. 317+68 RT R4-7 (24"x30")		5.00	0021	02

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.				
		STA. 317+88 RT R1-1 (30"x30")		6.25	0021	02
		STA. 317+88 RT R3-2 (24"x24")		4.00	0021	02
		STA. 318+12 RT W13-1P (18"x18")		2.25	0021	02
		STA. 318+12 RT W2-6 (30"x30")		6.25	0021	02
		STA. 319+19 R4-7 (24"x30")		5.00	0021	02
		STA. 319+83 LT R1-2 (36"x36"x36")		4.00	0021	02
		STA. 320+16 LT R1-2 (36"x36"x36")		4.00	0021	02
		STA. 320+21 RT R3-8(MOD) (30"x30")		6.25	0021	02
		STA. 321+03 LT D1-1D(4) (78"x18")		9.75	0021	02
		STA. 321+05 LT M1-1 (30"x24")		5.00	0021	02
		STA. 321+05 LT M3-4 (24"x12")		2.00	0021	02
		STA. 321+05 LT M4-5 (24"x12")		2.00	0021	02
		STA. 321+05 LT M6-2R (21"x15")		2.25	0021	02
		WATERMAN AVENUE				
		STA. 804+70 RT R12-3 (24"X36")		6.00	0021	02
		STA. 804+94 RT R1-1 (30"x30")		6.25	0021	02
		STA. 805+48 RT R4-7 (24"x30")		5.00	0021	02
		WATERMAN STREET				
		STA. 700+48 RT D11-1(MOD) (24"X18")		3.00	0021	02
		STA. 700+48 RT M6-3 (21"X15") (36"x24")		2.50	0021	02
		STA. 701+09 LT R5-1a		6.00	0021	02
		STA. 701+11 RT R5-1a (36"x24")		6.00	0021	02
		STA. 701+46 LT R6-1R		3.00	0021	02

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.				
		(36"x12")				
		STA. 702+16 RT R5-1 (30"x30")		6.25	0021	02
		STA. 702+16 RT R6-1L		3.00	0021	02
		(36"x12")				
		STA. 702+19 LT R5-1 (30"x30")		6.25	0021	02
		STA. 702+19 LT R6-1R		3.00	0021	02
		(36"x12")				
		STA. 702+78 LT R1-1 (30"x30")		6.50	0021	02
		STA. 703+55 LT R3-5R		7.50	0021	02
		(30"x36")				
		STA. 703+75 RT D11-1(MOD)		3.00	0021	02
		(24"X18")				
		STA. 703+75 RT M6-1L		2.50	0021	02
		(21"X15")				

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S293	T15.0100	Cont.				
Item T15.0100 Total:				828.00		
294	T15.0200	REMOVE AND RELOCATE DIRECTIONAL REGULATORY AND WARNING SIGN MASSASOIT AVENUE STA. 501+97 TO STA. 501+96 RT WATERFRONT DRIVE - SOUTH STA. 309+79 TO STA. 309+76 LT	EACH			
				1.00	0021	02
				1.00	0021	02
Item T15.0200 Total:				2.00		
S295	T15.1000	STREET SIGN ASSEMBLY STD. 24.6.1 CURTIS STREET STA. 900+81 RT (48"x12") STA. 900+81 RT (66"x12") HENDERSON PARKWAY STA. 123+34 LT (66"x12") MASSASOIT AVENUE STA. 505+85 LT (48"x12") STA. 505+85 LT (66"x12") WATERFRONT DRIVE - SOUTH STA. 302+37 LT (66"x12") STA. 309+69 RT (54"x12") STA. 309+69 RT (66"x12") STA. 313+01 RT (66"x12") WATERMAN AVE STA. 804+94 RT (60"x12") STA. 804+94 RT (66"x12") WILMARTH AVENUE STA. 601+47 LT (66"x12")	EACH			
				1.00	0021	02
				1.00	0021	02
				1.00	0021	02
				1.00	0021	02
				1.00	0021	02
				1.00	0021	02
				2.00	0021	02
				1.00	0021	02
				1.00	0021	02
				2.00	0021	02
				1.00	0021	02
				1.00	0021	02
				1.00	0021	02
Item T15.1000 Total:				14.00		
S296	T15.2000	PARKING SIGNS MASSASOIT AVENUE	SF			

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
2S96	T15.2000	Cont.				
		STA. 507+84 RT R7-1 (12"x18")		1.50	0021	02
		WATERFRONT DRIVE - SOUTH				
		STA. 303+85 RT R7-1 (12"x18")		1.50	0021	02
		STA. 303+86 LT R7-1 (12"x18")		1.50	0021	02
		WATERMAN STREET				
		STA. 702+16 LT R7-1L (12"x18")		1.50	0021	02
Item T15.2000 Total:				6.00		
S297	T15.9901	DYNAMIC SPEED FEEDBACK SIGN ASSEMBLY	EACH			
		HENDERSON PARKWAY				
		STA. 98+15 RT		1.00	0021	02
		SOUTH ANGELL STREET				
		STA. 205+89 LT		1.00	0021	02
Item T15.9901 Total:				2.00		
S298	T16.0100	GROUND MOUNTED PRIMARY DIRECTIONAL SIGN PANELS EXTRUDED ALUMINUM	SF			
		HENDERSON PARKWAY				
		STA. 122+27 RT D1-5A(1) (144"x72")		72.00	0021	02
		STA. 130+09 LT D1-5(1) (144"x72")		72.00	0021	02
		MASSASOIT AVENUE				
		STA. 503+49 LT D1-5A(2) (144"x72")		72.00	0021	02
		WATERFRONT DRIVE - SOUTH				
		STA. 319+16 RT D1-5(2) (138"x72")		69.00	0021	02
Item T16.0100 Total:				285.00		
S299	T16.0300	GROUND MOUNTED PRIMARY DIRECTIONAL	EACH			

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson
 Estimate Name - Addendum No. 3
 R.I. Contract No. - 2019-CB-094
 FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S299	T16.0300	Cont. SIGN POST-STEEL BREAKAWAY				
		HENDERSON PARKWAY				
		STA. 122+27 RT		2.00	0021	02
		STA. 130+09 LT		2.00	0021	02
		MASSASOIT AVENUE				
		STA. 503+49 LT		2.00	0021	02
		WATERFRONT DRIVE - SOUTH				
		STA. 319+16 RT		2.00	0021	02
Item T16.0300 Total:				8.00		
S300	T18.0100	FLEXIBLE DELINEATOR POST	EACH			
		PROJECT WIDE				
		PHASE 2		90.00	0021	02
Item T18.0100 Total:				90.00		
S301	T18.9901	GUARDRAIL END DELINEATOR - RED	EACH			
		WATERFRONT DRIVE - SOUTH				
		STA. 304+68 RT		1.00	0021	02
		STA. 305+14 RT		1.00	0021	02
		STA. 309+79 LT		1.00	0021	02
		STA. 311+29 LT		1.00	0021	02
		STA. 311+68 LT		1.00	0021	02
Item T18.9901 Total:				5.00		
S302	T18.9902	GUARDRAIL END DELINEATOR - GREEN	EACH			
		HENDERSON PARKWAY				
		STA. 136+08 LT		1.00	0021	02
		WATERFRONT DRIVE - SOUTH				
		STA. 303+77 LT		1.00	0021	02
		STA. 310+04 LT		1.00	0021	02
Item T18.9902 Total:				3.00		
303	T20.0706	6 INCH WHITE WATERBORNE PAINT	LF			

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
303	T20.0706	Cont. PAVEMENT MARKINGS				

PROJECT WIDE

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S311	T20.2406	6 INCH WHITE FINAL EPOXY RESIN	LF			
PAVEMENT MARKINGS						
HENDERSON PARKWAY						
		STA. 102+00 TO STA. 124+83 RT		2,323.00	0021	02
		STA. 104+18 TO STA. 122+51 LT		1,844.00	0021	02
		STA. 104+44 TO STA. 124+50 LT		510.00	0021	02
		STA. 120+43 TO STA. 123+28 RT		80.00	0021	02
		STA. 121+24 TO STA. 121+74 RT		18.00	0021	02
		STA. 121+78 TO STA. 125+58 RT		383.00	0021	02
		STA. 122+89 TO STA. 123+67 LT		74.00	0021	02
		STA. 123+62 TO STA. 125+69 RT		204.00	0021	02
		STA. 123+85 TO STA. 124+15 RT		32.00	0021	02
		STA. 123+91 TO STA. 125+33 LT		154.00	0021	02
		STA. 124+81 TO STA. 125+81 LT		107.00	0021	02
		STA. 124+96 TO STA. 125+69 RT		67.00	0021	02
		STA. 125+81 TO STA. 125+93		55.00	0021	02
		STA. 125+97 TO STA. 126+21 RT		27.00	0021	02
		STA. 125+99 TO STA. 126+76 RT		41.00	0021	02
		STA. 126+97 TO STA. 132+46 LT		550.00	0021	02
		STA. 127+13 TO STA. 127+16		60.00	0021	02
		STA. 127+23 TO STA. 127+96 LT		74.00	0021	02
		STA. 127+26 TO STA. 128+57 RT		138.00	0021	02
		STA. 127+27 TO STA. 128+48 LT		121.00	0021	02
		STA. 127+27 TO STA. 132+46 RT		545.00	0021	02
		STA. 127+32 TO STA. 127+33		41.00	0021	02
		STA. 128+73 TO STA. 132+11 LT		90.00	0021	02
		STA. 128+86 TO STA. 132+47 RT		100.00	0021	02
		STA. 136+96 TO STA. 139+00 LT		241.00	0021	02
		STA. 94+84 TO STA. 101+90 RT		721.00	0021	02
MASSASOIT AVENUE						
		STA. 500+00 TO STA. 500+64 LT		30.00	0021	02
		STA. 500+00 TO STA. 502+31 LT		282.00	0021	02
		STA. 500+00 TO STA. 505+79 LT		628.00	0021	02

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S311	T20.2406	Cont.				
		STA. 500+37 TO STA. 500+75	RT	16.00	0021	02
		STA. 500+66 TO STA. 500+68		56.00	0021	02
		STA. 500+74 TO STA. 501+52	LT	77.00	0021	02
		STA. 500+78 TO STA. 502+48	RT	174.00	0021	02
		STA. 500+79 TO STA. 502+96	LT	221.00	0021	02
		STA. 500+84 TO STA. 500+85		38.00	0021	02
		STA. 500+85 TO STA. 509+80	RT	896.00	0021	02
		STA. 502+04 TO STA. 502+31	LT	32.00	0021	02
		STA. 502+80 TO STA. 503+30	RT	20.00	0021	02
		STA. 503+26 TO STA. 505+76	LT	70.00	0021	02
		STA. 503+39 TO STA. 505+56	RT	74.00	0021	02
		STA. 506+39 TO STA. 508+17	LT	178.00	0021	02
		STA. 506+51 TO STA. 507+43	LT	30.00	0021	02
		SOUTH ANGELL STREET				
		STA. 202+31 TO STA. 207+61		140.00	0021	02
		STA. 202+31 TO STA. 207+65	LT	535.00	0021	02
		WATERFRONT DRIVE - NORTH				
		STA. 400+22 TO STA. 403+00	LT	331.00	0021	02
		STA. 400+51 TO STA. 403+00	RT	271.00	0021	02
		WATERFRONT DRIVE - SOUTH				
		STA. 300+49 TO STA. 302+24	LT	175.00	0021	02
		STA. 300+49 TO STA. 305+46	RT	501.00	0021	02
		STA. 302+97 TO STA. 311+71	LT	879.00	0021	02
		STA. 305+39 TO STA. 306+94	RT	165.00	0021	02
		STA. 305+85 TO STA. 308+67	RT	281.00	0021	02
		STA. 307+26 TO STA. 307+52	RT	26.00	0021	02
		STA. 307+73 TO STA. 308+67	RT	97.00	0021	02
		STA. 307+76 TO STA. 309+67	RT	197.00	0021	02
		STA. 308+85 TO STA. 310+14	RT	40.00	0021	02
		STA. 309+95 TO STA. 311+65	LT	50.00	0021	02
		STA. 310+15 TO STA. 311+71	RT	157.00	0021	02
		STA. 310+38 TO STA. 311+13	RT	75.00	0021	02
		STA. 311+85 TO STA. 312+98	RT	114.00	0021	02

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S311	T20.2406	Cont.				
		STA. 311+85 TO STA. 319+92	RT	210.00	0021	02
		STA. 311+85 TO STA. 319+97	LT	823.00	0021	02
		STA. 312+25 TO STA. 312+98	LT	74.00	0021	02
		STA. 313+41 TO STA. 319+48	LT	160.00	0021	02
		STA. 313+45 TO STA. 317+52	RT	409.00	0021	02
		STA. 316+39 TO STA. 317+76	RT	131.00	0021	02
		STA. 318+21 TO STA. 321+37	RT	506.00	0021	02
		STA. 319+78 TO STA. 321+21	LT	134.00	0021	02
		STA. 320+09 TO STA. 321+21	LT	119.00	0021	02
		STA. 320+19 TO STA. 321+16	RT	105.00	0021	02
		STA. 320+37 TO STA. 321+20	RT	60.00	0021	02
		STA. 321+21 TO STA. 321+49	LT	12.00	0021	02
		STA. 321+30 TO STA. 321+50	RT	18.00	0021	02
		STA. 321+52 TO STA. 321+87	LT	37.00	0021	02
		WATERMAN AVENUE				
		STA. 804+44 TO STA. 805+69	LT	104.00	0021	02
		STA. 804+45 TO STA. 804+64	RT	20.00	0021	02
		WATERMAN STREET				
		STA. 701+09 TO STA. 702+47	LT	146.00	0021	02
		STA. 701+63 TO STA. 703+00	RT	146.00	0021	02
				Item T20.2406 Total:	18,670.00	
S312	T20.2412	12 INCH WHITE FINAL EPOXY RESIN	LF			
		PAVEMENT MARKINGS				
		CURTIS STREET				
		STA. 900+49 TO STA. 900+62		83.00	0021	02
		STA. 901+02 TO STA. 901+14	RT	16.00	0021	02
		HENDERSON PARKWAY				
		STA. 101+90 TO STA. 102+00	RT	60.00	0021	02
		STA. 101+95 TO STA. 102+02	RT	6.00	0021	02
		STA. 122+95 TO STA. 123+06	LT	17.00	0021	02
		STA. 124+48 TO STA. 124+83	RT	93.00	0021	02
		STA. 125+25 TO STA. 125+66	RT	31.00	0021	02

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S312	T20.2412 Cont.	STA. 127+28 TO STA. 127+69	LT	27.00	0021	02
		STA. 97+93 TO STA. 97+99	RT	6.00	0021	02
		STA. 97+97 TO STA. 98+18	RT	132.00	0021	02
		MASSASOIT AVENUE				
		STA. 500+26 TO STA. 500+68	RT	30.00	0021	02
		STA. 500+50 TO STA. 500+84	LT	36.00	0021	02
		STA. 500+81 TO STA. 501+30	LT	40.00	0021	02
		STA. 505+94 TO STA. 506+14	LT	20.00	0021	02
		WATERFRONT DRIVE - SOUTH				
		STA. 302+41 TO STA. 302+56	LT	15.00	0021	02
		STA. 305+85 TO STA. 307+82	LT	200.00	0021	02
		STA. 307+91 TO STA. 309+64		45.00	0021	02
		LT 12DWL				
		STA. 309+72 TO STA. 310+09	RT	117.00	0021	02
		STA. 309+95 TO STA. 310+10	RT	16.00	0021	02
		STA. 311+13	RT	31.00	0021	02
		STA. 311+71 TO STA. 311+78	LT	7.00	0021	02
		STA. 311+71 TO STA. 311+85		263.00	0021	02
		STA. 312+25	LT	27.00	0021	02
		STA. 313+07 TO STA. 313+40	RT	95.00	0021	02
		STA. 313+25 TO STA. 313+39	RT	14.00	0021	02
		STA. 320+85 TO STA. 321+16	RT	28.00	0021	02
		STA. 321+13 TO STA. 321+35	RT	36.00	0021	02
		STA. 321+18 TO STA. 321+51	LT	24.00	0021	02
		WATERMAN AVENUE				
		STA. 804+73 TO STA. 804+91	RT	91.00	0021	02
		STA. 804+83 TO STA. 804+93	RT	15.00	0021	02
		WATERMAN STREET				
		STA. 702+27 TO STA. 702+63	LT	110.00	0021	02
		STA. 702+78	LT	13.00	0021	02
		WILMARTH AVENUE				
		STA. 601+15 TO STA. 601+45	RT	26.00	0021	02
Item T20.2412 Total:				1,770.00		

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
313	T20.2506	6 INCH WHITE INTERIM EPOXY RESIN	LF			
		PAVEMENT MARKINGS				
		TEMPORARY TRAFFIC CONTROL				
		PHASE 1		6,070.00	0011	01
		PHASE 1A		6,240.00	0011	01
		PHASE 2		4,600.00	0011	01
		PHASE 4		4,400.00	0011	01
		PHASE 5		1,100.00	0011	01
		SUPPLEMENTAL		1,090.00	0011	01
		Item T20.2506 Total:		**DELETED**		
314	T20.2512	12 INCH WHITE INTERIM EPOXY RESIN	LF			
		PAVEMENT MARKINGS				
		TEMPORARY TRAFFIC CONTROL				
		PHASE 1		1,030.00	0011	01
		PHASE 1A		200.00	0011	01
		PHASE 5		15.00	0011	01
		PHASE 5A		15.00	0011	01
		SUPPLEMENTAL QTY		175.00	0011	01
		Item T20.2512 Total:		1,435.00		
315	T20.2524	24 INCH WHITE INTERIM EPOXY RESIN	LF			
		PAVEMENT MARKINGS				
		TEMPORARY TRAFFIC CONTROL				
		PHASE 1		390.00	0011	01
		PHASE 1A		1,100.00	0011	01
		PHASE 2		600.00	0011	01
		PHASE 4		50.00	0011	01
		Item T20.2524 Total:		2,140.00		
S316	T20.2804	4 INCH YELLOW FINAL EPOXY RESIN	LF			
		PAVEMENT MARKINGS				
		CURTIS STREET				

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S316	T20.2804	Cont.				
		STA. 900+67 TO STA. 901+19	LT	58.00	0021	02
		STA. 900+67 TO STA. 901+19	RT	54.00	0021	02
		HENDERSON PARKWAY				
		STA. 101+59 TO STA. 101+89	RT	28.00	0021	02
		STA. 102+00 TO STA. 102+94	RT	94.00	0021	02
		STA. 102+02 TO STA. 102+27	RT	24.00	0021	02
		STA. 102+37 TO STA. 103+56	RT	30.00	0021	02
		STA. 102+94 TO STA. 121+78	RT	3,976.00	0021	02
		STA. 103+63 TO STA. 104+36	RT	91.00	0021	02
		STA. 104+41 TO STA. 117+57	RT	330.00	0021	02
		STA. 117+65 TO STA. 118+35	RT	91.00	0021	02
		STA. 118+38 TO STA. 120+80	RT	60.00	0021	02
		STA. 120+89 TO STA. 121+85	RT	99.00	0021	02
		STA. 121+78 TO STA. 125+67	RT	390.00	0021	02
		STA. 121+78 TO STA. 125+73	LT	398.00	0021	02
		STA. 121+93 TO STA. 123+35	RT	42.00	0021	02
		STA. 123+43 TO STA. 123+48	RT	256.00	0021	02
		STA. 124+15 TO STA. 125+02	RT	146.00	0021	02
		STA. 125+96 TO STA. 127+07		358.00	0021	02
		STA. 127+31 TO STA. 132+46	LT	515.00	0021	02
		STA. 127+32 TO STA. 132+46	RT	522.00	0021	02
		STA. 94+89 TO STA. 101+90	RT	701.00	0021	02
		STA. 97+99 TO STA. 98+58	RT	145.00	0021	02
		STA. 98+67 TO STA. 101+49	RT	72.00	0021	02
		MASSASOIT AVENUE				
		STA. 500+00 TO STA. 502+04	LT	244.00	0021	02
		STA. 500+84 TO STA. 503+80	LT	309.00	0021	02
		STA. 500+84 TO STA. 503+80	RT	298.00	0021	02
		STA. 503+80 TO STA. 505+92		424.00	0021	02
		STA. 506+13 TO STA. 506+15	LT	100.00	0021	02
		STA. 506+51 TO STA. 508+44		713.00	0021	02
		STA. 508+44 TO STA. 509+80	RT	136.00	0021	02
		SOUTH ANGELL STREET				

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S316	T20.2804	Cont.				
		STA. 202+31 TO STA. 206+40	RT	411.00	0021	02
		STA. 206+40 TO STA. 207+65	RT	226.00	0021	02
		WATERFRONT DRIVE - NORTH				
		STA. 400+22 TO STA. 403+00	LT	303.00	0021	02
		STA. 400+35 TO STA. 403+00	RT	270.00	0021	02
		WATERFRONT DRIVE - SOUTH				
		STA. 300+49 TO STA. 302+34		369.00	0021	02
		STA. 302+80 TO STA. 305+49		1,048.00	0021	02
		STA. 305+62 TO STA. 307+73	RT	214.00	0021	02
		STA. 305+85 TO STA. 309+64		758.00	0021	02
		STA. 309+95 TO STA. 310+21	RT	105.00	0021	02
		STA. 310+01 TO STA. 311+13		223.00	0021	02
		STA. 311+78 TO STA. 312+14	LT	40.00	0021	02
		STA. 312+23 TO STA. 318+52	LT	165.00	0021	02
		STA. 312+25 TO STA. 312+98		147.00	0021	02
		STA. 313+25 TO STA. 313+58	RT	122.00	0021	02
		STA. 313+30 TO STA. 318+77		1,092.00	0021	02
		STA. 318+76 TO STA. 321+13	RT	249.00	0021	02
		STA. 318+76 TO STA. 321+14	LT	237.00	0021	02
		WATERMAN AVENUE				
		STA. 804+44 TO STA. 804+63		38.00	0021	02
		STA. 804+83 TO STA. 804+88	RT	100.00	0021	02
		STA. 804+91 TO STA. 805+20		59.00	0021	02
		STA. 805+20 TO STA. 805+39	RT	20.00	0021	02
		STA. 805+20 TO STA. 805+89	LT	78.00	0021	02
		WATERMAN AVENUE - WEST				
		STA. 10000+46 TO STA.		69.00	0021	02
		10000+81				
		WATERMAN STREET				
		STA. 702+78 TO STA. 703+00		44.00	0021	02
		WILMARTH AVENUE				
		STA. 600+57 TO STA. 601+47	LT	148.00	0021	02
		STA. 600+57 TO STA. 601+54	RT	91.00	0021	02

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson
 Estimate Name - Addendum No. 3
 R.I. Contract No. - 2019-CB-094
 FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S316	T20.2804	Cont.				
Item T20.2804 Total:				17,330.00		
S317	T20.2812	12 INCH YELLOW FINAL EPOXY RESIN	LF			
PAVEMENT MARKINGS						
HENDERSON PARKWAY						
		STA. 102+99 TO STA. 103+80		55.00	0021	02
		STA. 120+70 TO STA. 121+74		35.00	0021	02
MASSASOIT AVENUE						
		STA. 506+80 TO STA. 508+38		75.00	0021	02
WATERFRONT DRIVE - SOUTH						
		STA. 303+24 TO STA. 305+40 LT		190.00	0021	02
Item T20.2812 Total:				355.00		
318	T20.2906	6 INCH YELLOW INTERIM EPOXY RESIN	LF			
PAVEMENT MARKINGS						
TEMPORARY TRAFFIC CONTROL						
		PHASE 1		10,740.00	0011	01
		PHASE 1A		7,440.00	0011	01
		PHASE 2		2,700.00	0011	01
		PHASE 4		3,500.00	0011	01
		PHASE 5		1,100.00	0011	01
		SUPPLEMENTAL		1,020.00	0011	01
Item T20.2906 Total:				**DELETED**		
319	T20.2912	12 INCH YELLOW INTERIM EPOXY RESIN	LF			
PAVEMENT MARKINGS						
TEMPORARY TRAFFIC CONTROL						
		PHASE 1A		1,600.00	0011	01
		PHASE 4		225.00	0011	01
		PHASE 5A		385.00	0011	01
Item T20.2912 Total:				2,210.00		
S320	T20.3401	FINAL EPOXY RESIN PAVEMENT MARKING	EACH			

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S320	T20.3401	Cont. SYMBOL - ARROW (STRAIGHT, LEFT, RIGHT OR COMBINED) STANDARD 20.1.0				
		HENDERSON PARKWAY				
		STA. 121+78 RT		1.00	0021	02
		STA. 122+59 RT		1.00	0021	02
		STA. 123+41 RT		1.00	0021	02
		STA. 125+78 LT		1.00	0021	02
		STA. 125+94 LT		1.00	0021	02
		STA. 127+06 RT		1.00	0021	02
		STA. 127+24 RT		1.00	0021	02
		MASSASOIT AVENUE				
		STA. 500+58 RT		1.00	0021	02
		STA. 500+76 RT		1.00	0021	02
		WATERFRONT DRIVE - SOUTH				
		STA. 306+10 LT		1.00	0021	02
		STA. 306+90 LT		1.00	0021	02
		STA. 307+69 LT		1.00	0021	02
		STA. 321+18 LT		1.00	0021	02
		STA. 321+32 LT		1.00	0021	02
		WATERMAN STREET				
		STA. 703+03 LT		1.00	0021	02
Item T20.3401 Total:				15.00		

S321 T20.3402 FINAL EPOXY RESIN PAVEMENT MARKING EACH
 SYMBOL - ROUNDABOUT APPROACH ARROW
 (STRAIGHT, LEFT, RIGHT OR
 COMBINED)

HENDERSON PARKWAY

STA. 125+02 RT 2.00 0021 02

STA. 127+94 LT 2.00 0021 02

MASSASOIT AVENUE

STA. 501+49 LT 2.00 0021 02

WATERFRONT DRIVE - SOUTH

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson

Estimate Name - Addendum No. 3

R.I. Contract No. - 2019-CB-094

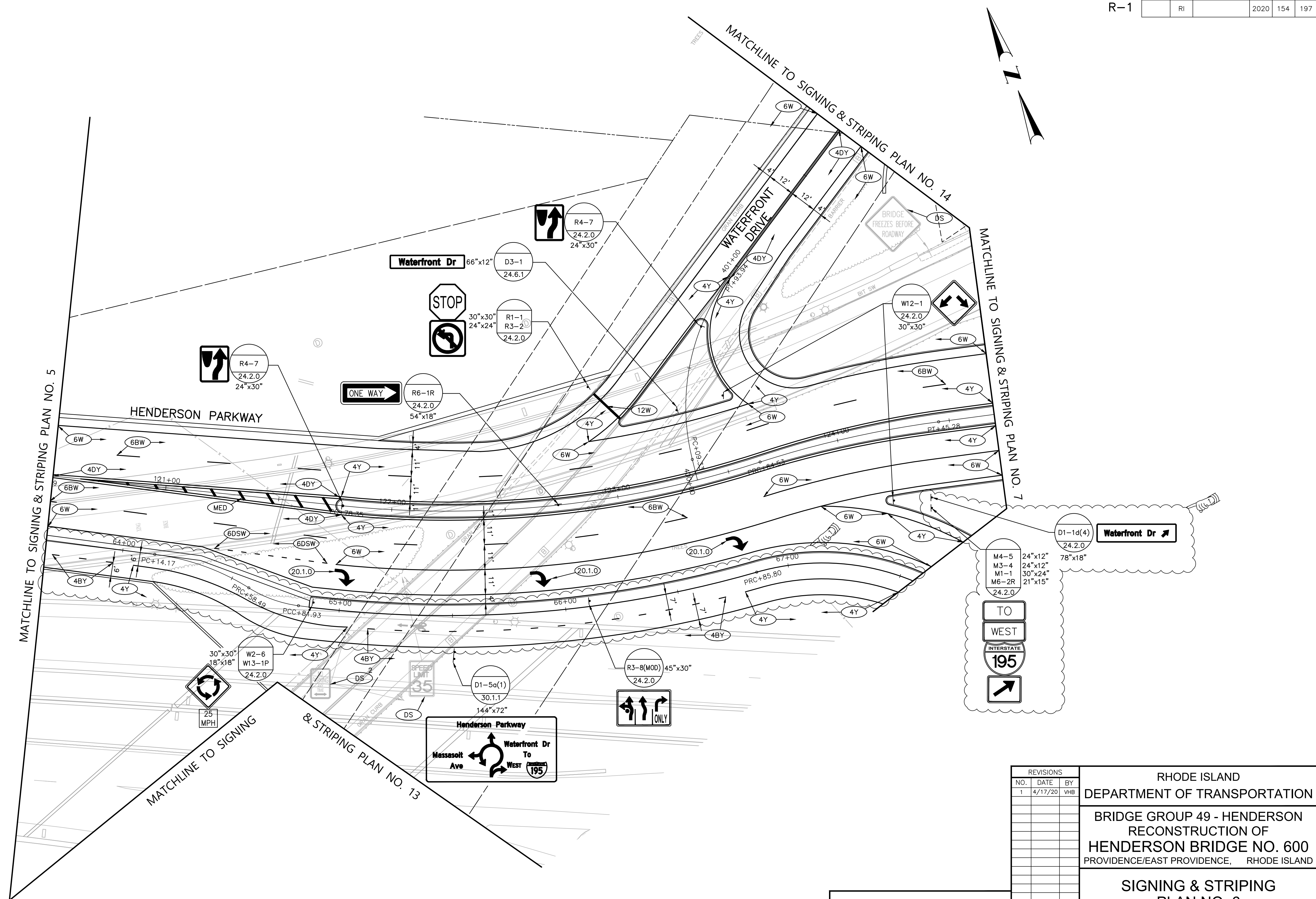
FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
321	T20.3402	Cont.	STA. 320+61 RT	2.00	0021	02
Item T20.3402 Total:				8.00		
S322	T20.3405	FINAL EPOXY RESIN PAVEMENT MARKING EACH SYMBOL - YIELD LINE TRIANGLE (ALL SIZES)				
		HENDERSON PARKWAY				
		STA. 124+84	RT	1.00	0021	02
		STA. 125+39	LT	1.00	0021	02
		STA. 125+55	RT	1.00	0021	02
		STA. 125+57	RT	1.00	0021	02
		STA. 127+27	LT	1.00	0021	02
		STA. 127+37	LT	1.00	0021	02
		MASSASOIT AVENUE				
		STA. 500+78	LT	1.00	0021	02
		STA. 500+87	LT	1.00	0021	02
		WATERFRONT DRIVE - SOUTH				
		STA. 321+02	RT	1.00	0021	02
		STA. 321+07	RT	1.00	0021	02
Item T20.3405 Total:				10.00		
S323	T20.3410	FINAL EPOXY RESIN PAVEMENT MARKING EACH WORD ("ONLY", "STOP", "YIELD", "AHEAD", "XING", "SCHOOL", OR OTHER) STANDARD 20.1.0				
		HENDERSON PARKWAY				
		STA. 125+44	LT	1.00	0021	02
		STA. 125+44	RT	1.00	0021	02
		STA. 125+45	RT	1.00	0021	02
		STA. 127+35	LT	1.00	0021	02
		STA. 127+46	LT	1.00	0021	02
		MASSASOIT AVENUE				
		STA. 500+86	LT	1.00	0021	02

Distribution of Quantities

Project Name - Bridge Group 49 - Henderson
 Estimate Name - Addendum No. 3
 R.I. Contract No. - 2019-CB-094
 FAP Nos: BRO-0600(005), STPG-0600(006)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S323	T20.3410	Cont.				
		STA. 500+96 LT		1.00	0021	02
		WATERFRONT DRIVE - SOUTH				
		STA. 306+50 LT		1.00	0021	02
		STA. 307+29 LT		1.00	0021	02
		STA. 320+03 LT		1.00	0021	02
		STA. 320+91 RT		1.00	0021	02
		STA. 320+97 RT		1.00	0021	02
		WATERMAN STREET				
		STA. 703+45 LT		1.00	0021	02
Item T20.3410 Total:				13.00		
324	T20.3501	INTERIM EPOXY RESIN PAVEMENT	EACH			
		MARKING SYMBOL - ARROW (STRAIGHT, LEFT, RIGHT OR COMBINED) STANDARD 20.1.0				
		TEMPORARY TRAFFIC CONTROL				
		PHASE 1		1.00	0011	01
		PHASE 1A		6.00	0011	01
Item T20.3501 Total:				7.00		
325	T20.3505	INTERIM EPOXY RESIN PAVEMENT	EACH			
		MARKING SYMBOL - YIELD LINE TRIANGLE (ALL SIZES)				
		TEMPORARY TRAFFIC CONTROL				
		PHASE 1		2.00	0011	01
		PHASE 1A		1.00	0011	01
		PHASE 4		3.00	0011	01
		PHASE 5		1.00	0011	01
Item T20.3505 Total:				7.00		
326	T20.3510	INTERIM EPOXY RESIN PAVEMENT	EACH			
		MARKING WORD ("ONLY", "STOP", "YIELD", "AHEAD", "XING",				



NOTES:
 1. SEE SIGNING & STRIPING TYPICAL DETAIL PLANS FOR ADDITIONAL DIMENSIONS OF STREET NAME AND GUIDE SIGNS.

ADDENDUM NO. 3



vhb
 1 Cedar Street
 Suite 400
 Providence, RI 02903
 401.272.8100

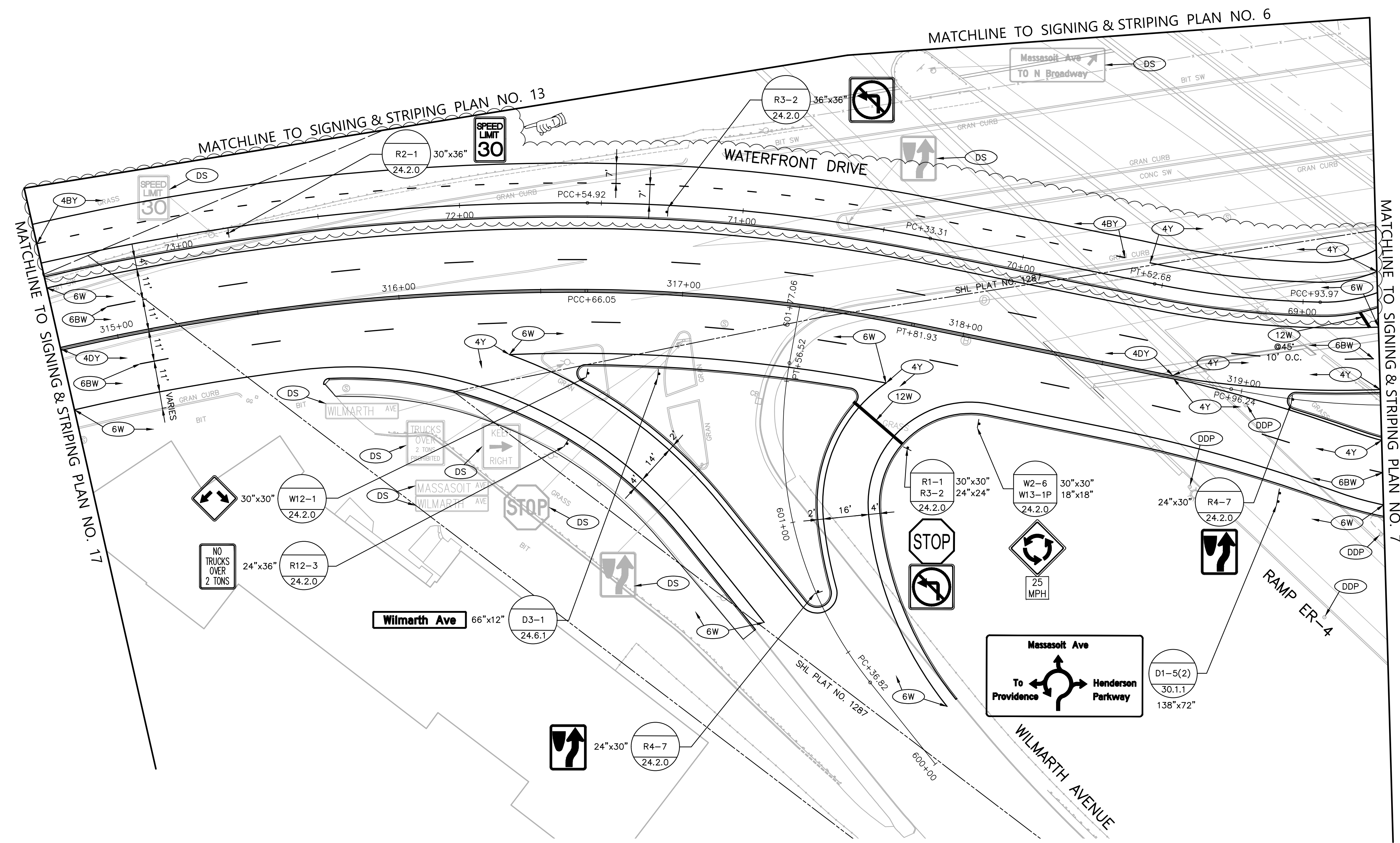
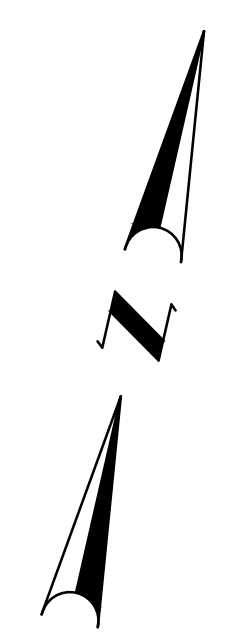
REVISIONS		
NO.	DATE	BY
1	4/17/20	VHB

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

BRIDGE GROUP 49 - HENDERSON
 RECONSTRUCTION OF
 HENDERSON BRIDGE NO. 600
 PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

**SIGNING & STRIPING
 PLAN NO. 6**

CHECKED BY _____ DATE _____ SCALE _____



NOTES:

- SEE SIGNING & STRIPING TYPICAL DETAIL PLANS FOR ADDITIONAL DIMENSIONS OF STREET NAME AND GUIDE SIGNS.



1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

REVISIONS		
NO.	DATE	BY
1	4/17/20	VHB

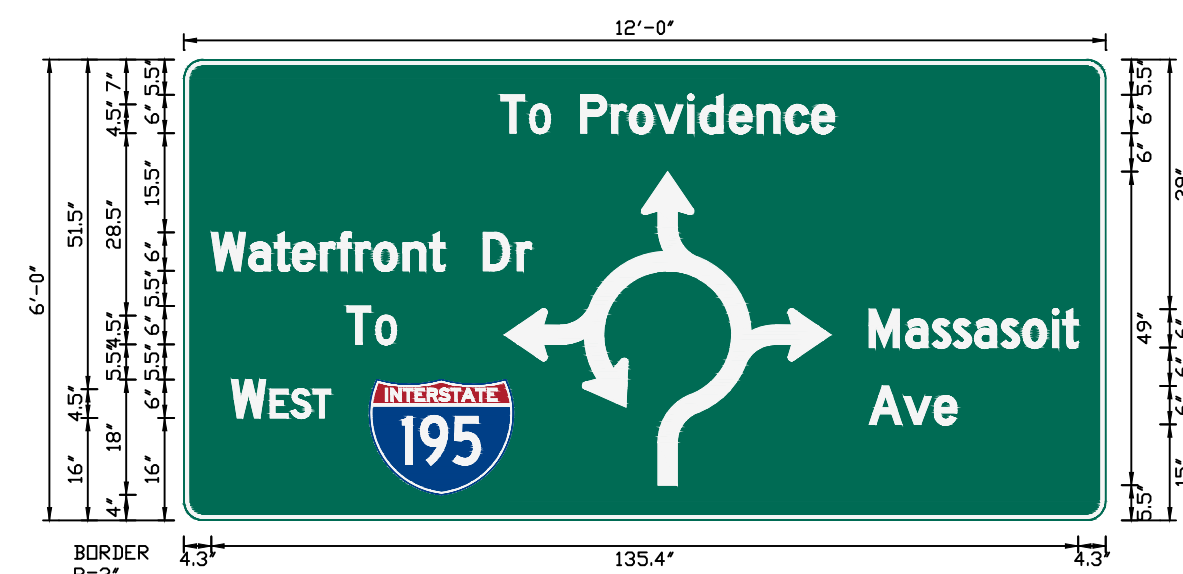
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

BRIDGE GROUP 49 - HENDERSON
RECONSTRUCTION OF
HENDERSON BRIDGE NO. 600
PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

**SIGNING & STRIPING
PLAN NO. 18**

CHECKED BY _____ DATE _____ SCALE _____

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI		2020	172	197



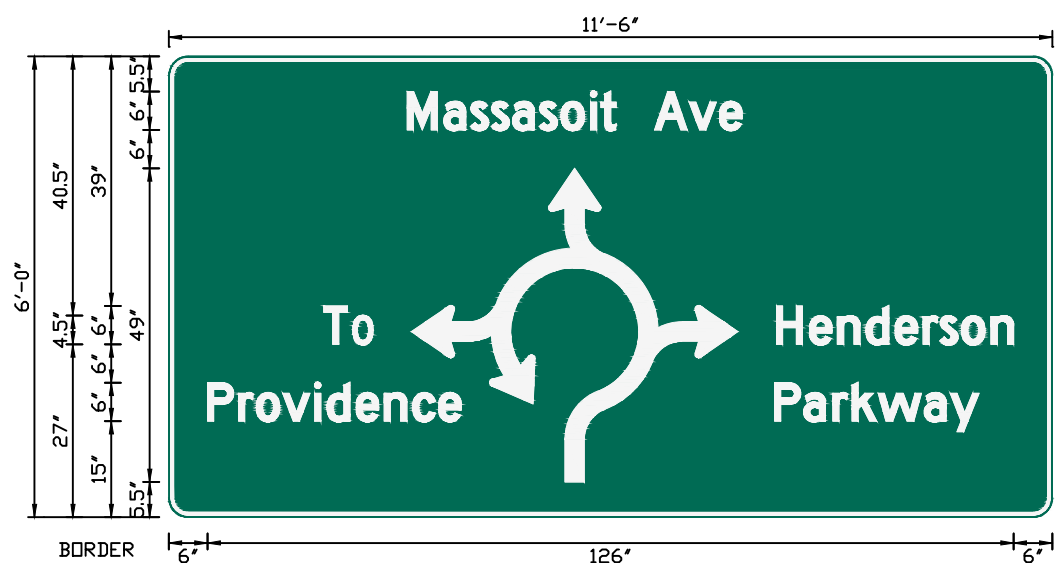
SIGN NUMBER	D1-5(1)
WIDTH x HGHT.	12'-0" x 6'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_ROUNDABOUT	0	50.1	5.5	49	51
M1_1	0	28.9	4	22.5	18

Panel Style: guide_con_circular.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
T	O										7.7	D 2000
49.5	54											6/4.5
P	r	o	v	i	d	e	n	c	e		39.7	D 2000
62	66.8	69.6	73.7	78.7	80.6	85.2	89.6	94	98.1			6/4.5
W	a	t	e	r	r	o	n	t		D r	50	D 2000
4.3	10.1	14.1	17	21.3	24	26.9	29.6	34.2	38.4	40.8	46.8	52.1
T	O										7.7	D 2000
25.5	30											6/4.5
M	a	s	s	a	s	o	i	t			32.6	D 2000
107.1	112.8	117	120.2	123.5	127.7	131.1	135.7	137.3				6/4.5
W	E	S	T								15.5	D 2000
7.4	13.5	16.7	20.2									6/4.5
A	v	e									13.7	D 2000
107.1	112.5	117.2										6/4.5

DESTINATION SIGN DETAIL (D1-5(1))
NOT TO SCALE



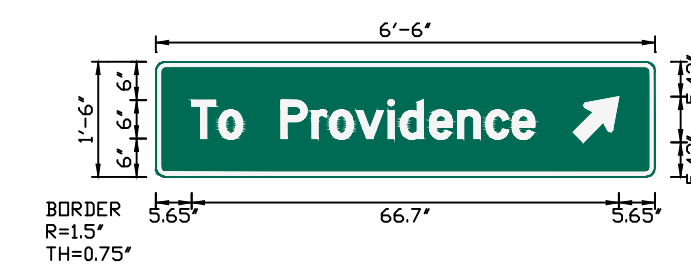
SIGN NUMBER	D1-5(2)
WIDTH x HGHT.	11'-6" x 6'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_ROUNDABOUT	0	37.9	5.5	49	51

Panel Style: guide_con_circular.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
M	a	s	s	a	s	o	i	t		A v e	52.3	D 2000
37.2	42.9	47.1	50.4	53.7	57.9	61.2	65.9	67.5	69.9	75.9	81.3	86
T	O										7.7	D 2000
24.2	28.7											6/4.5
H	e	n	d	e	r	s	o	n			37.1	D 2000
94.9	100.1	104.4	108.9	113.4	117.8	120.5	123.8	128.4				6/4.5
P	r	o	v	i	d	e	n	c	e		39.7	D 2000
6	10.9	13.6	17.8	22.8	24.7	29.2	33.6	38.1	42.1			6/4.5
P	a	r	k	w	a	y					32	D 2000
94.6	99.2	103.7	106.7	110.8	118	122.1						6/4.5

DESTINATION SIGN DETAIL (D1-5(2))
NOT TO SCALE



SIGN NUMBER	D1-1d(3)
WIDTH x HGHT.	6'-6" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	315	65.2	5.4	6	9

Panel Style: guide_con_destination.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
T	o										53.6	D 2000
5.6	9.9	13.6	19.6	24.4	27.2	31.3	36.3	38.2	42.8	47.2	51.6	55.7

DESTINATION SIGN DETAIL (D1-1D(3))
NOT TO SCALE



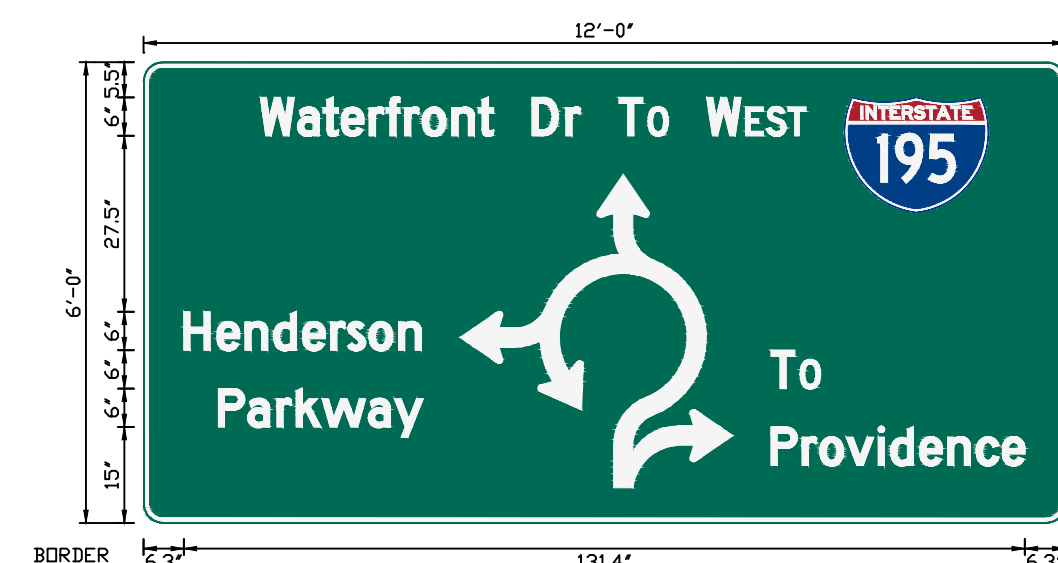
SIGN NUMBER	D1-5A(1)
WIDTH x HGHT.	12'-0" x 6'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_ROUNDABOUT	0	46.4	5.5	49	43
M1_1	0	110.8	4	22.5	18

Panel Style: guide_con_circular.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
H	e	n	d	e	r	s	o	n		P a r k w a y	75.1	D 2000
34.4	39.6	44	48.4	53	57.3	60	63.3	68	71.5	82.1	86.6	89.6
W	a	t	e	r	r	o	n	t		D r	50	D 2000
86.3	92.1	96.1	98.9	103.3	105.9	108.8	111.6	116.2	120.3	122.7	128.7	134
M	a	s	s	a	s	o	i	t			32.6	D 2000
7.7	13.4	17.6	20.8	24.1	28.3	31.7	36.3	37.9				6/4.5
T	O										7.7	D 2000
107.4	111.9											6/4.5
A	v	e									13.7	D 2000
26.7	32.1	36.8										6/4.5
W	E	S	T								15.5	D 2000
89.3	95.3	98.6	102									6/4.5

DESTINATION SIGN DETAIL (D1-5A(1))
NOT TO SCALE



SIGN NUMBER	D1-5A(2)
WIDTH x HGHT.	12'-0" x 6'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	109.5	48.5	22.5	18
AR_ROUNDABOUT	0	49.4	5.5	49	43

Panel Style: guide_con_circular.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
W	a	t	e	r	r	o	n	t		D r	50	D 2000
18.2	24	28.1	30.9	35.3	37.9	40.8	43.5	48.2	52.3	54.7	60.7	66
T	O										7.7	D 2000
74.3	78.8											6/4.5
W	E	S	T								15.5	D 2000
88	94	97.3	100.7									6/4.5
H	e	n	d	e	r	s	o	n			37.1	D 2000
6.3	11.5	15.8	20.3	24.8	29.2	31.9	35.2	39.8				6/4.5
T	O										7.7	D 2000
98	102.6											6/4.5
P	a	r	k	w	a	y					32	D 2000
11.7	16.3	20.8	23.8	27.9	35.1	39.2						6/4.5
P	r	o	v	i	d	e	n	c	e		39.7	D 2000
98	102.9	105.7	109.8	114.8	116.7	121.3	125.6	130.1	134.2			6/4.5

DESTINATION SIGN DETAIL (D1-5A(2))
NOT TO SCALE



SIGN NUMBER	D1-1d(4)
WIDTH x HGHT.	6'-6" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	315	63.4	4.8	6	9

Panel Style: guide_con_destination.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
W	a	t	e	r	r	o	n	t		D r	50	D 2000
7.4	13.2	17.2	20.1	24.4	27.1	30	32.7	37.3	41.5	43.9	49.9	55.2

DESTINATION SIGN DETAIL (D1-1D(4))
NOT TO SCALE

REVISIONS		
NO.	DATE	BY
1	4/17/20	VHB

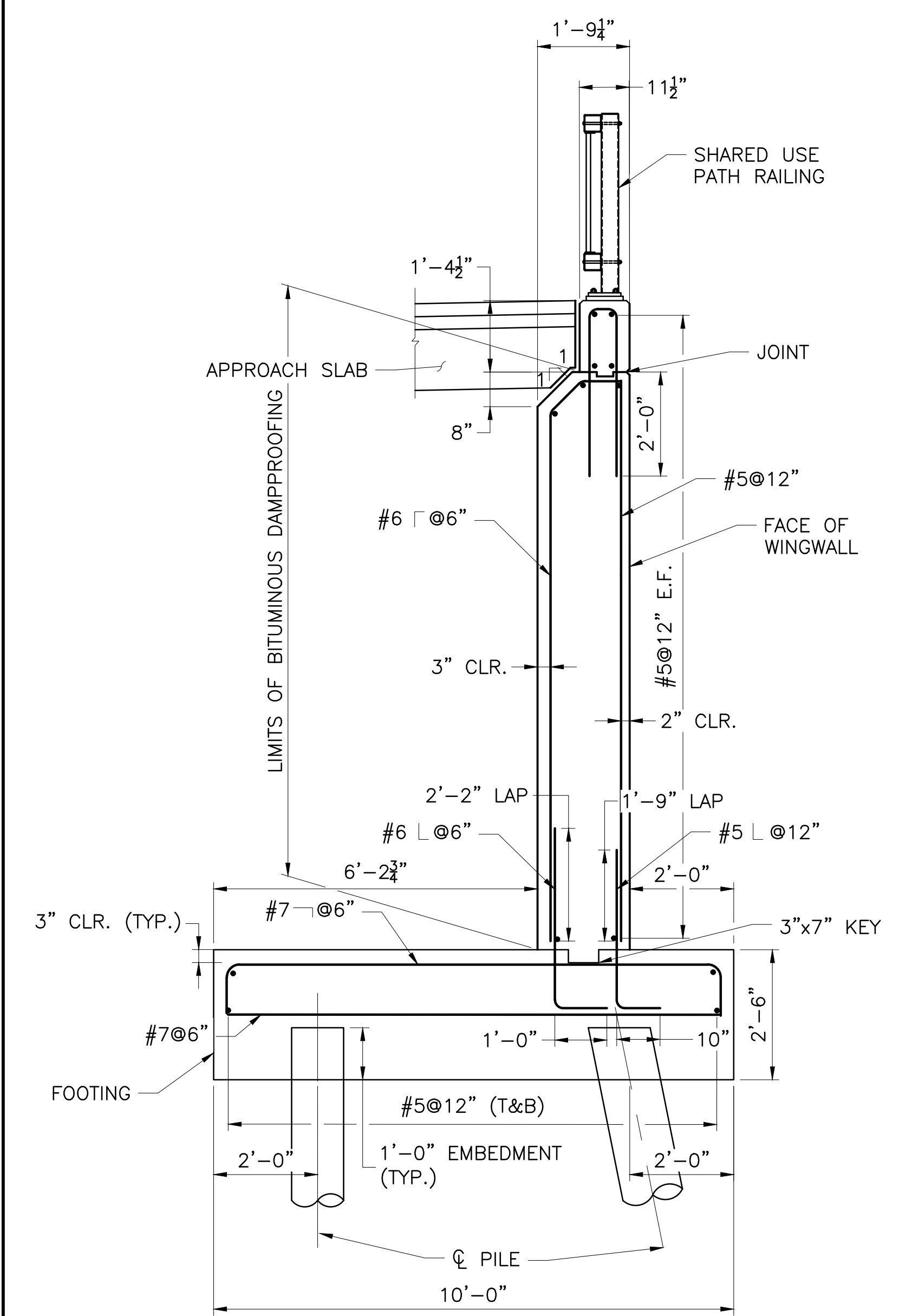
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

BRIDGE GROUP 49 - HENDERSON
RECONSTRUCTION OF
HENDERSON BRIDGE NO. 600
PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

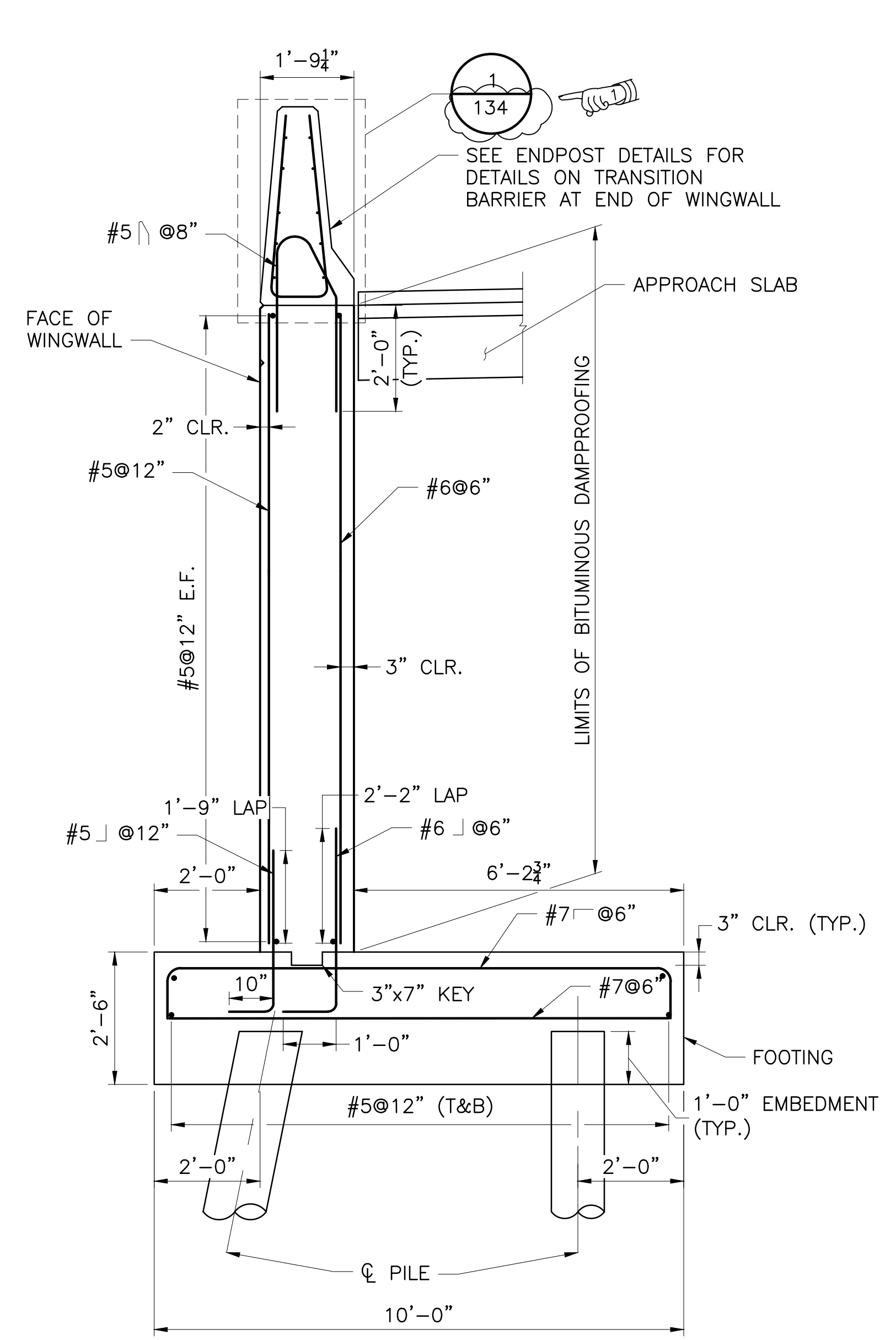
SIGNING & STRIPING
TYPICAL DETAILS NO. 3

CHECKED BY _____ DATE _____ SCALE _____

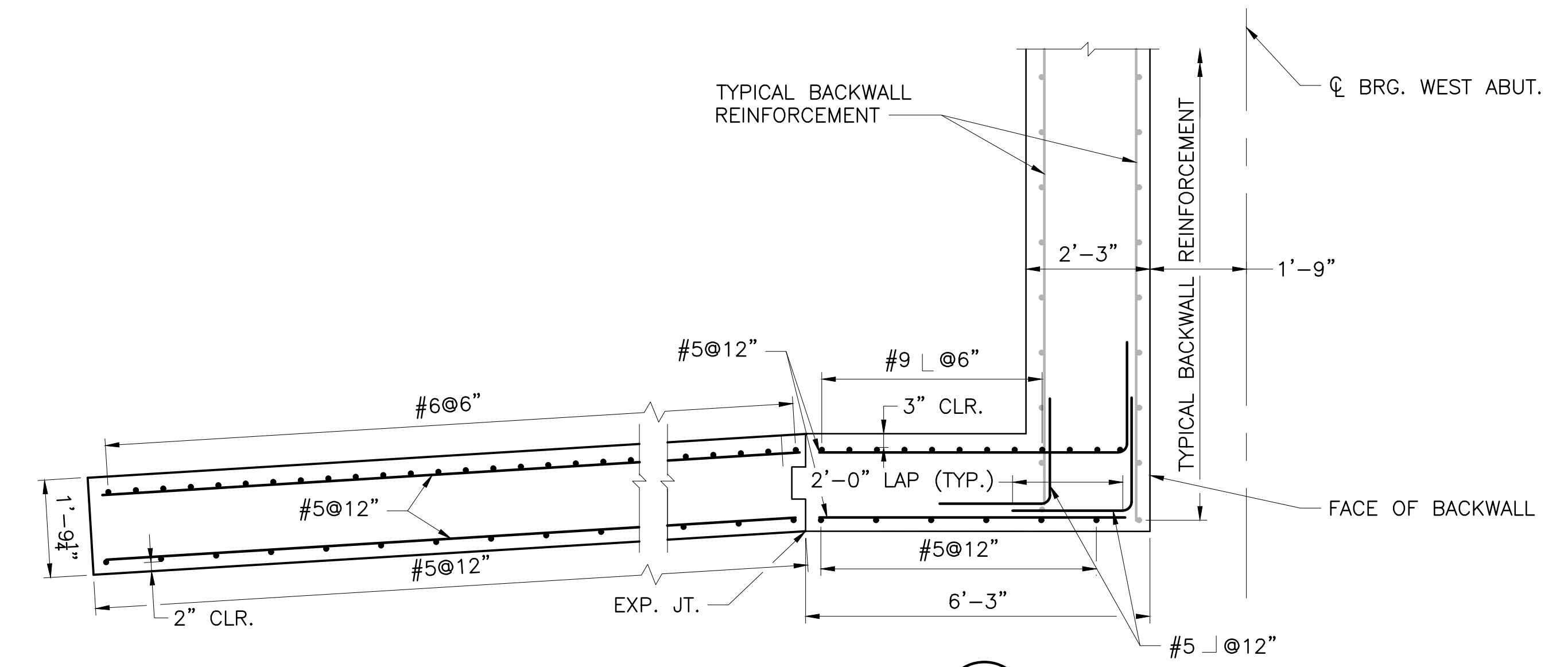




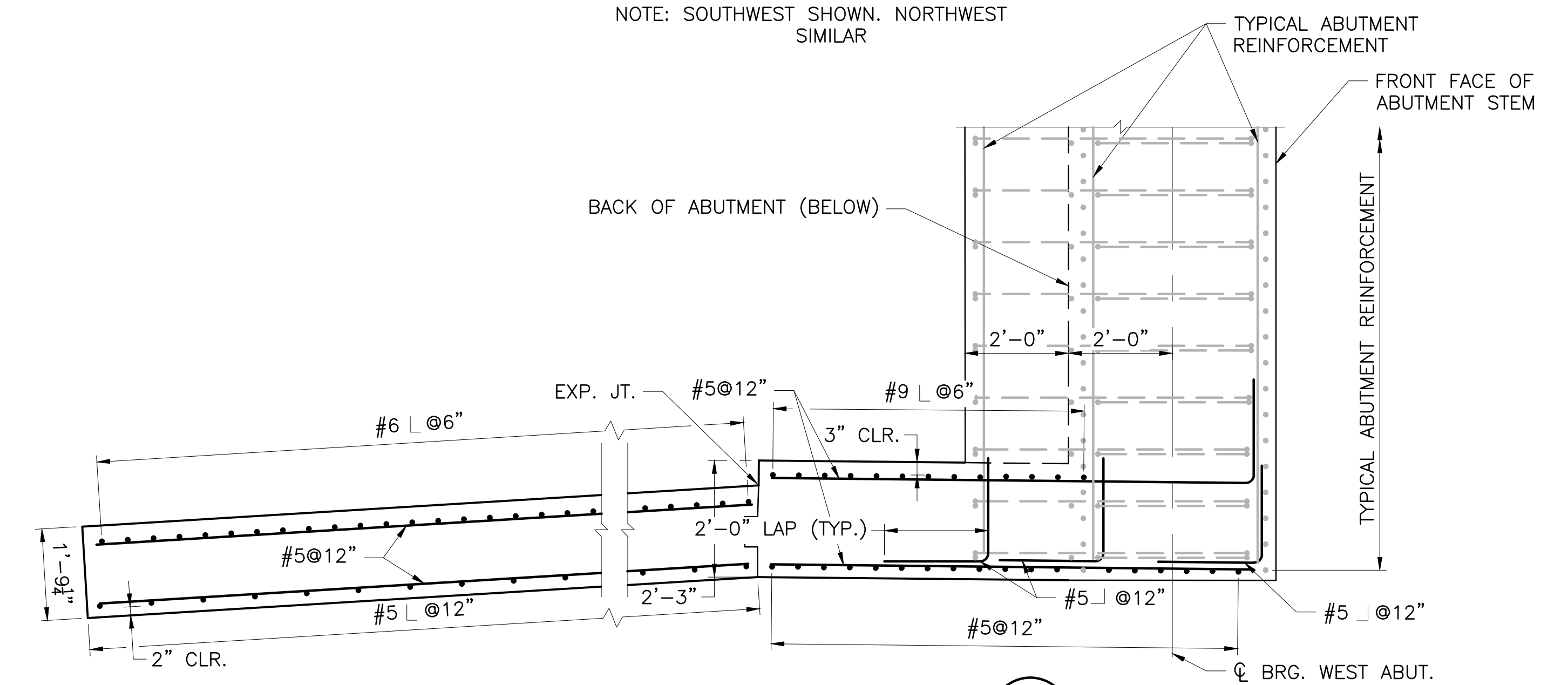
TYPICAL SOUTHWEST WINGWALL SECTION
 SCALE: 1/2"=1'-0"



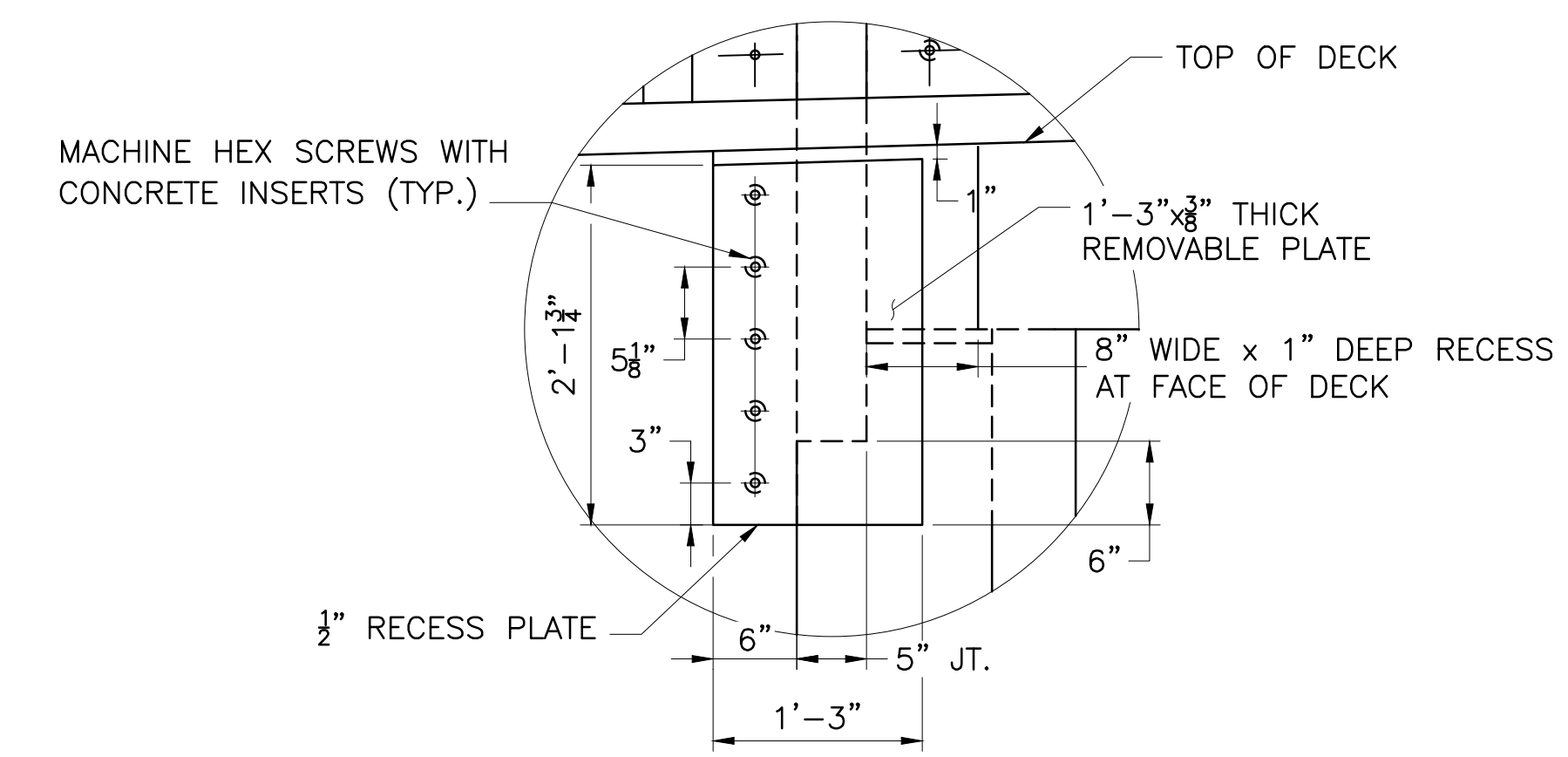
TYPICAL NORTHWEST WINGWALL SECTION
 SCALE: 1/2"=1'-0"



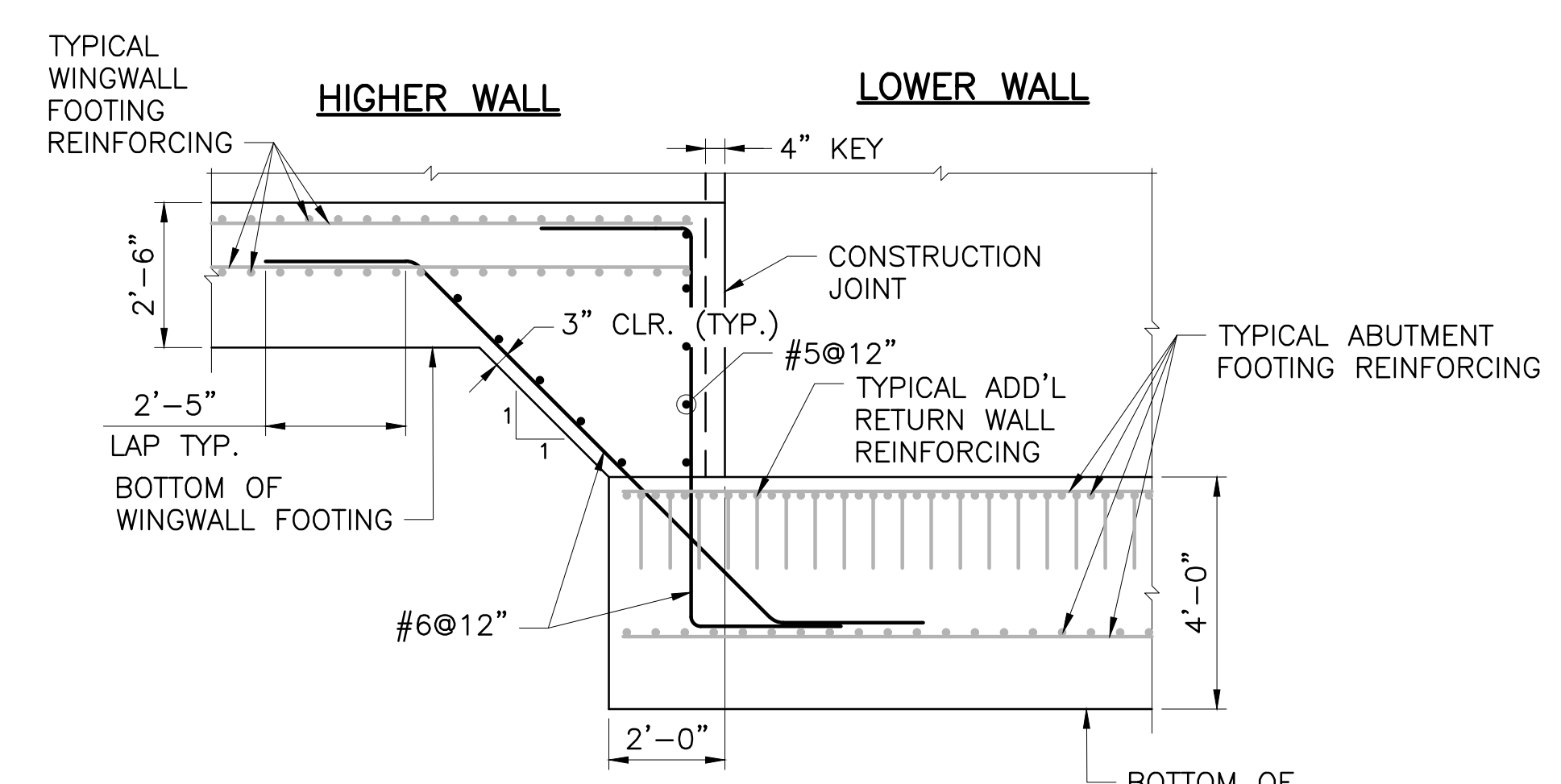
SECTION A
 SCALE: 1/2"=1'-0"



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



DETAIL 1
 SCALE: 1"=1'-0"



STEPPED-UP FOOTING DETAIL
 SCALE: 3/8"=1'-0"

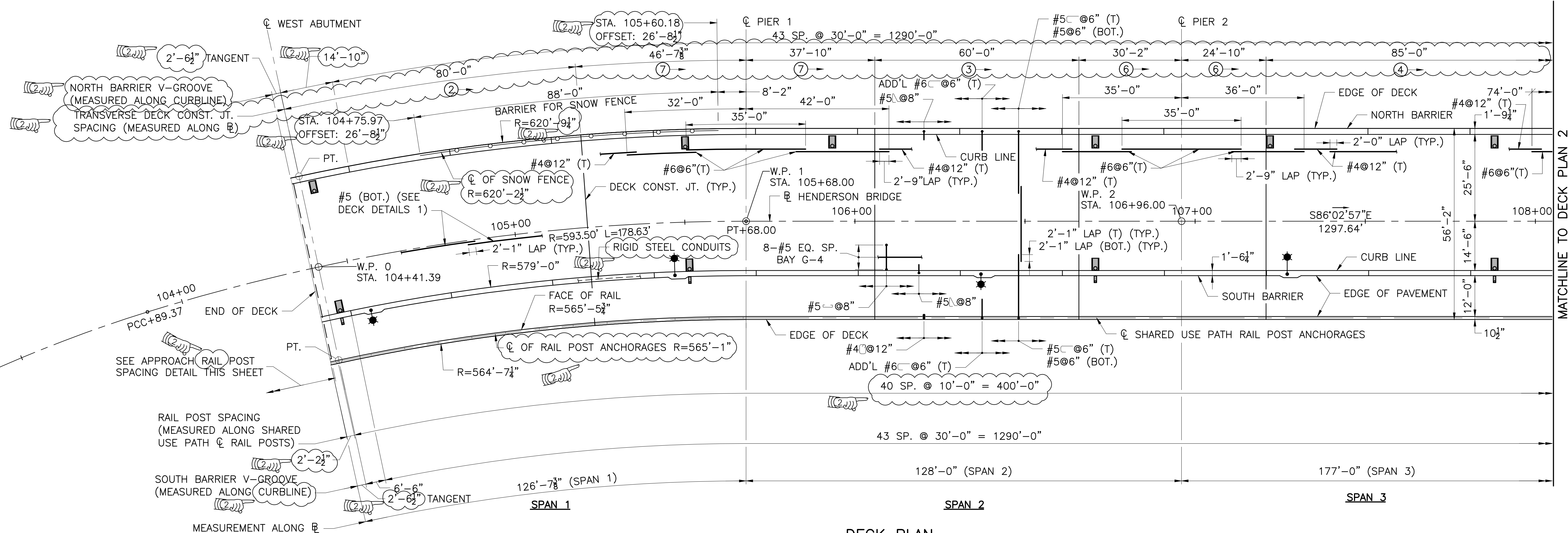
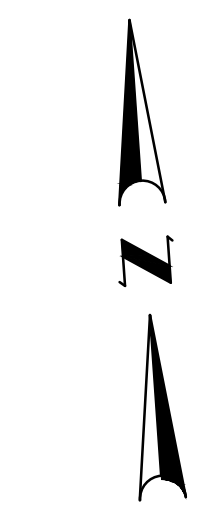
REVISIONS		
NO.	DATE	BY
1	4/17/20	VHB

**RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION**

**BRIDGE GROUP 49 - HENDERSON
 RECONSTRUCTION OF
 HENDERSON BRIDGE NO. 600
 PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND**

**WEST ABUTMENT RETURN
 AND WINGWALL DETAILS**

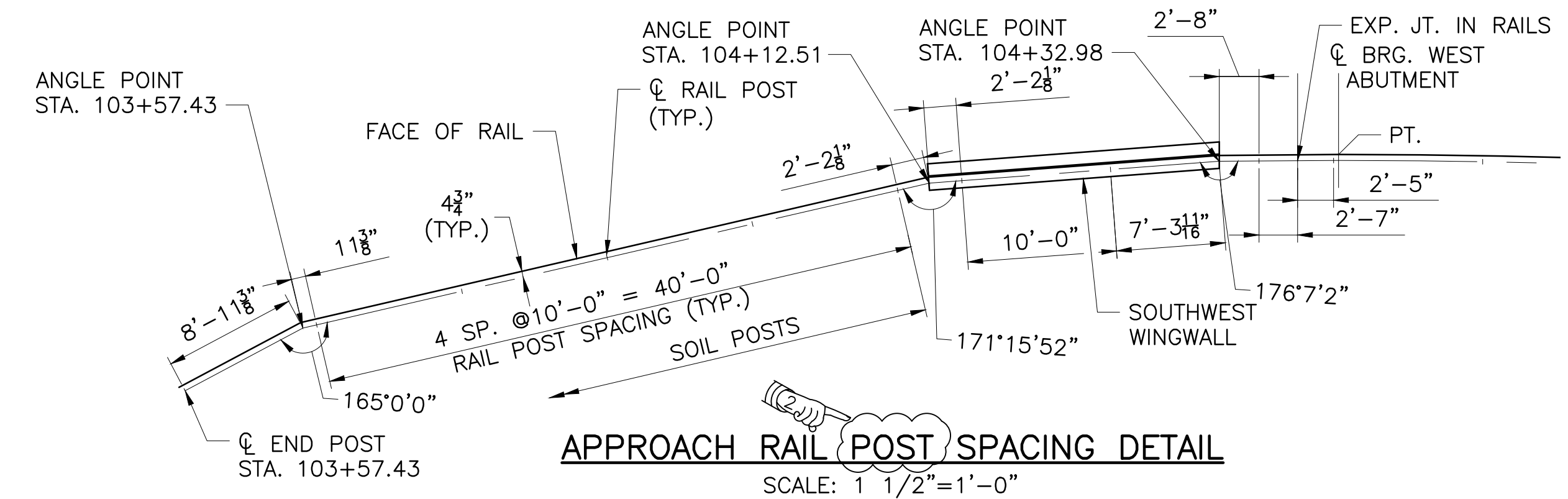
CHECKED BY _____ DATE _____ SCALE _____



DECK PLAN
 SCALE: 1/16"=1'-0"

NOTES

1. SEE DECK DETAILS FOR TYPICAL DECK REINFORCEMENT AND ADDITIONAL NOTES.
2. SEE DECK DETAILS 2 FOR END OF DECK REINFORCEMENT.
3. SEE DECK DETAILS 4 FOR ADDITIONAL REINFORCEMENT AT SCUPPERS.
4. DECK CONCRETE PLACEMENT SHALL BE IN ACCORDANCE WITH THE R.I. STANDARD SPECIFICATIONS.
5. PLACE CONCRETE IN LIKE NUMBERED SECTIONS PRIOR TO POURING THE NEXT SET OF LIKE-NUMBERED SEGMENTS. THE NEXT SET OF CONCRETE POURS SHALL NOT OCCUR UNTIL THE CONCRETE STRENGTH HAS ATTAINED 3.5 KSI AS INDICATED BY COMPRESSION TESTS OF FIELD CURED CYLINDERS.
6. ALTERNATE POURING SEQUENCE SHALL BE SUBMITTED FOR APPROVAL.
7. ALL CONCRETE SHALL BE PLASTIC (INITIAL SET SHALL NOT HAVE OCCURRED) UNTIL THE ENTIRE POUR HAS BEEN COMPLETED.
8. LONGITUDINAL REINFORCING STEEL LAP IS SHOWN SCHEMATICALLY ON THE DECK PLAN. REINFORCING STEEL FABRICATOR SHALL IDENTIFY ACTUAL LAP LOCATIONS ON THE SHOP DRAWING PLANS.
9. BARRIER LONGITUDINAL REINFORCING SHALL BE CONTINUOUS THROUGH THE V-GROOVE JOINTS.
10. STAGGER BAR SPLICE LOCATIONS WHERE POSSIBLE. THE SPLICE FOR ADDITIONAL BARS OVER PIERS SHALL BE GREATER THAN 10'-0" FROM CENTER LINE OF PIER.
11. BASELINE OFFSETS TO ϕ OF SCUPPER OUTFALL PIPES:
 NORTH SCUPPER = 22.10 FEET LEFT
 SOUTH SCUPPER = 13.83 FEET RIGHT
 SHARED USE PATH SCUPPER = 17.77 FEET RIGHT
12. SEE LIGHT STANDARD ANCHORAGES AND ELECTRICAL DETAILS FOR ADDITIONAL REINFORCEMENT AT LIGHT STANDARDS AND JUNCTION BOXES.



APPROACH RAIL POST SPACING DETAIL
 SCALE: 1 1/2"=1'-0"

LIGHT POLE LOCATIONS	
ROADWAY LIGHTING	PEDESTRIAN LIGHTING
STA. 105+46.53	STA. 104+54.07
STA. 107+27.04	STA. 106+37.04

SCUPPER LOCATIONS	
ROADWAY SCUPPER AT NORTH BARRIER	ROADWAY AND SUP SCUPPERS AT SOUTH BARRIER
STA. 104+44.76	STA. 104+44.97
STA. 105+50.75	STA. 105+51.00
STA. 105+93.33	-
STA. 106+70.67	STA. 106+70.67
STA. 107+22.00	-
STA. 107+88.00	STA. 107+88.00

SEE NOTE 11

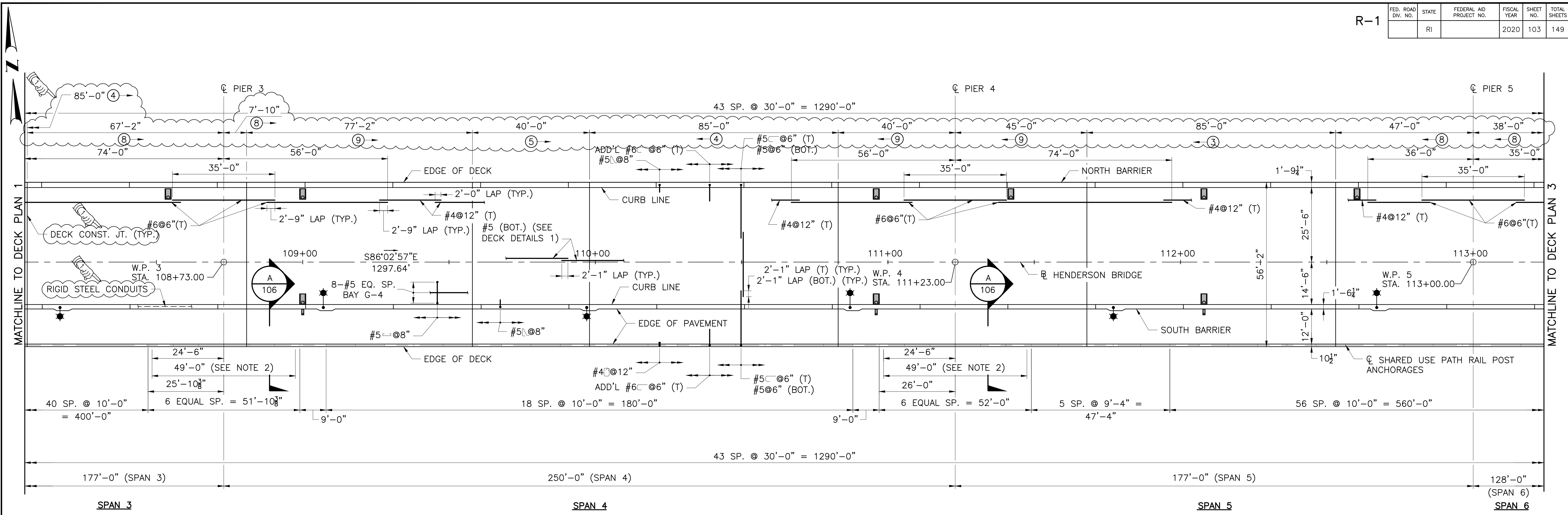
- LEGEND**
- - ROADWAY SCUPPER
 - - SHARED USE PATH SCUPPER
 - ★ - ROADWAY LIGHTING
 - ★ - PEDESTRIAN LIGHTING
 - ④ - POUR SEQUENCE

REVISIONS		
NO.	DATE	BY
1	3/24/20	VHB
2	4/17/20	VHB

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 BRIDGE GROUP 49 - HENDERSON
 RECONSTRUCTION OF
 HENDERSON BRIDGE NO. 600
 PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

DECK PLAN 1

CHECKED BY _____ DATE _____ SCALE _____



DECK PLAN
 SCALE: 1/16"=1'-0"

NOTES

- SEE DECK PLAN 1 FOR NOTES.
- LOCATION OF REINFORCING STEEL AND MECHANICAL COUPLER FOR FUTURE SHARED USE PATH OVERLOOK CONNECTION. SEE DECK DETAILS 2 FOR DETAILS.

LIGHT POLE LOCATIONS	
ROADWAY LIGHTING	PEDESTRIAN LIGHTING
STA. 109+07.04	STA. 108+17.04
STA. 110+87.04	STA. 109+97.04
STA. 112+67.04	STA. 111+77.04

SCUPPER LOCATIONS	
ROADWAY SCUPPER AT NORTH BARRIER	ROADWAY AND SUP SCUPPERS OF SOUTH BARRIER
STA. 108+54.00	-
STA. 109+00.00	STA. 109+00.00
STA. 110+96.00	STA. 110+96.00
STA. 111+42.00	-
STA. 112+08.00	STA. 112+08.00
STA. 112+60.30	-

SEE DECK PLAN 1 NOTE 11

LEGEND

- - ROADWAY SCUPPER
- - SHARED USE PATH SCUPPER
- ⬤ - ROADWAY LIGHTING
- ⬤ - PEDESTRIAN LIGHTING
- ⊕ - POUR SEQUENCE

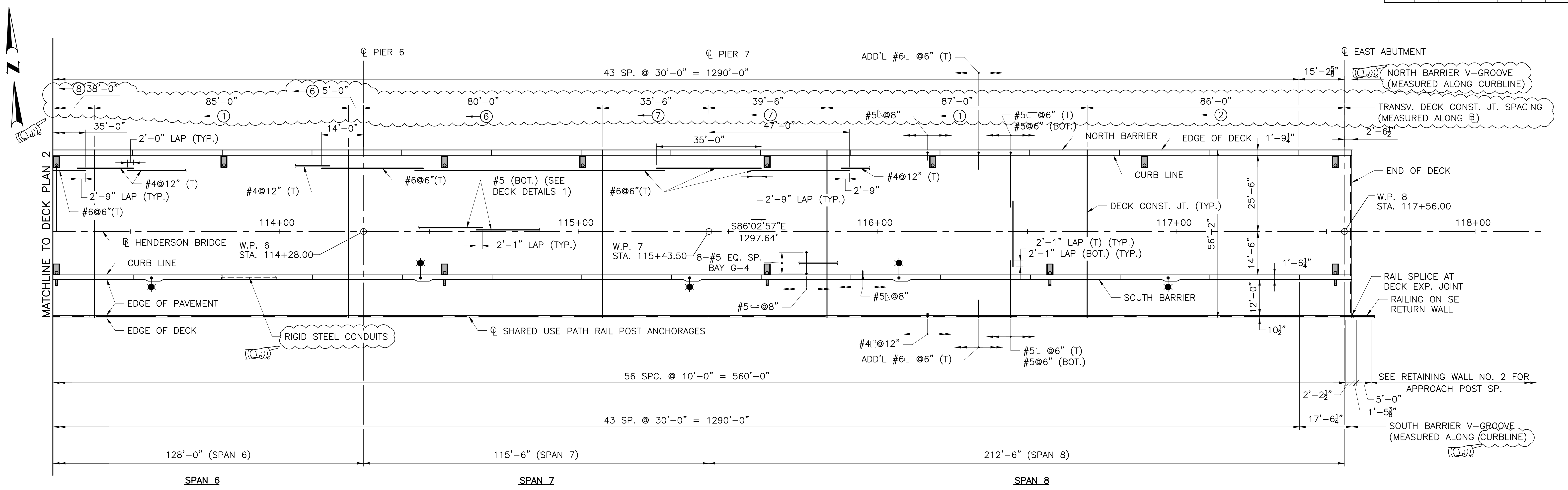
REVISIONS		
NO.	DATE	BY
1	4/17/20	VHB

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 BRIDGE GROUP 49 - HENDERSON
 RECONSTRUCTION OF
 HENDERSON BRIDGE NO. 600
 PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

DECK PLAN 2

CHECKED BY _____ DATE _____ SCALE _____





DECK PLAN
 SCALE: 1/16"=1'-0"

NOTES

1. SEE DECK PLAN 1 FOR NOTES.

LIGHT POLE LOCATIONS	
ROADWAY LIGHTING	PEDESTRIAN LIGHTING
STA. 114+47.04	STA. 113+57.04
STA. 116+07.04	STA. 115+37.04
	STA. 116+97.04

SCUPPER LOCATIONS	
ROADWAY SCUPPER AT NORTH BARRIER	ROADWAY AND SUP SCUPPERS OF SOUTH BARRIER
STA. 113+25.33	STA. 113+25.33
STA. 113+81.33	-
STA. 114+55.10	STA. 114+55.10
STA. 115+01.30	-
STA. 115+63.00	STA. 115+63.00
STA. 116+18.33	-
-	STA. 116+57.56
STA. 116+87.17	-
STA. 117+53.00	STA. 117+53.00

SEE DECK PLAN 1 NOTE 11

LEGEND

- - ROADWAY SCUPPER
- - SHARED USE PATH SCUPPER
- ★ - ROADWAY LIGHTING
- ★ - PEDESTRIAN LIGHTING
- ① - POUR SEQUENCE

REVISIONS		
NO.	DATE	BY
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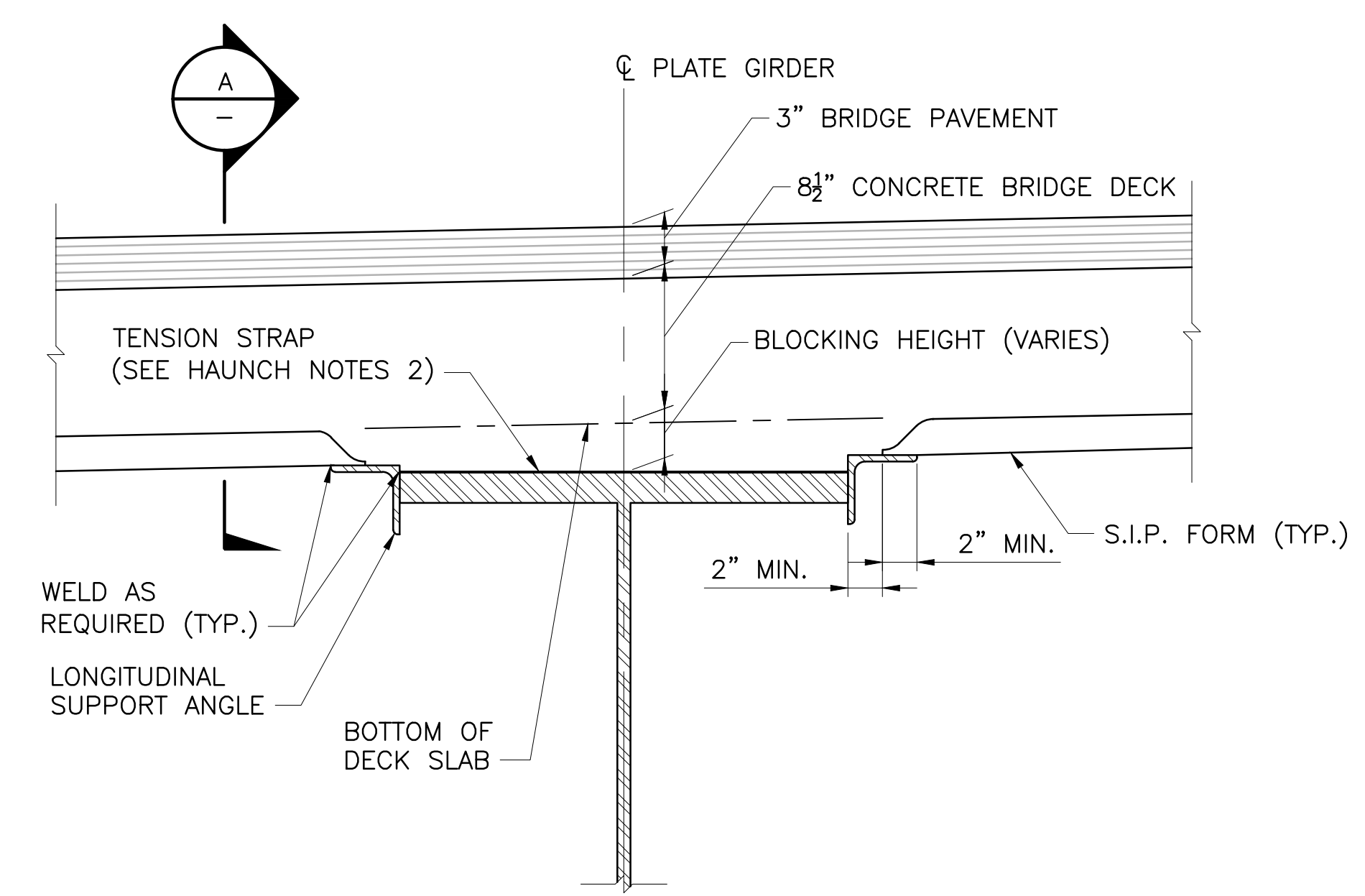
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 BRIDGE GROUP 49 - HENDERSON
 RECONSTRUCTION OF
 HENDERSON BRIDGE NO. 600
 PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

DECK PLAN 3

CHECKED BY _____ DATE _____ SCALE _____



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI		2020	107	149

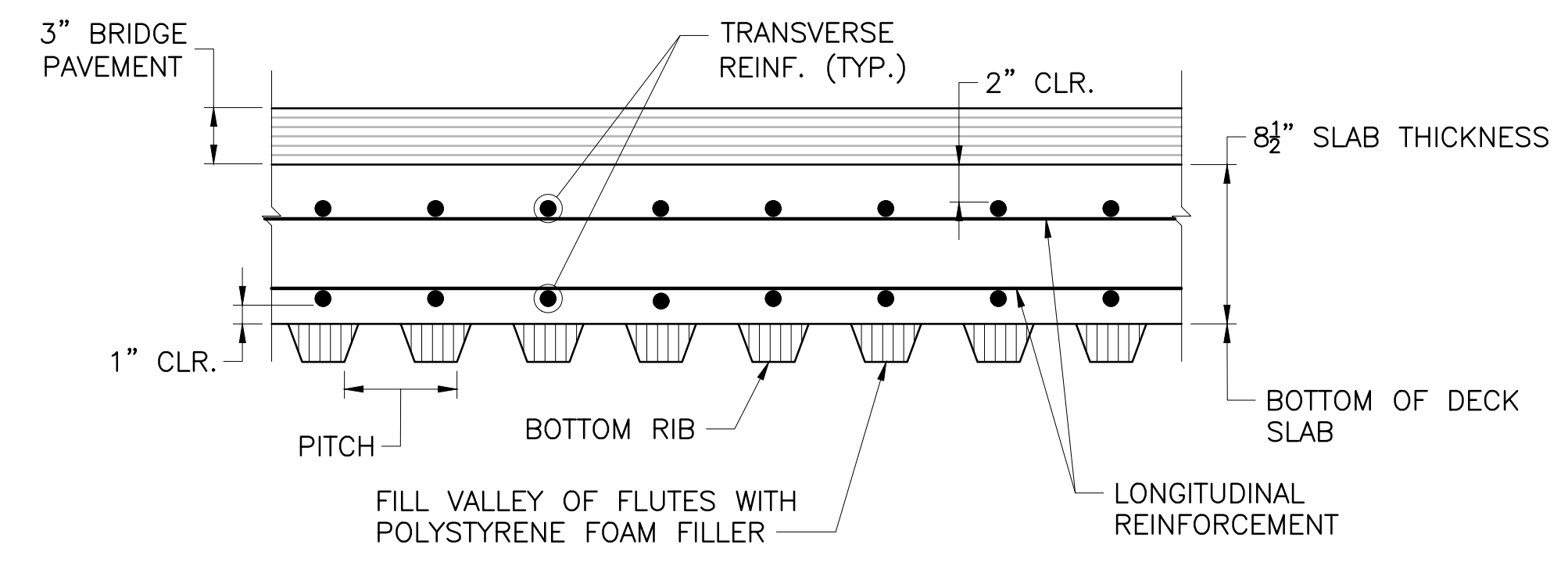


NOTES

1. AFTER THE GIRDERS ARE ERECTED, BUT BEFORE THE FORMS ARE BUILT, ELEVATIONS ON THE TOP OF FLANGE OF THE GIRDERS ARE TO BE OBTAINED AT THE POINTS INDICATED IN THE ELEVATION TABLE. THE DIFFERENCE BETWEEN THE ELEVATIONS OBTAINED AND THOSE SHOWN IN THE TABLE GIVES THE ACTUAL BLOCKING DISTANCE FROM THE TOP OF FLANGE TO THE BOTTOM OF SLAB AT CENTER LINE OF WEB.
2. LONGITUDINAL SUPPORT ANGLES SHALL NOT BE WELDED TO THE TOP FLANGE WITHIN THE TOP FLANGE TENSION REGION. REFER TO THE FRAMING PLAN AND GIRDER ELEVATION SHEETS.

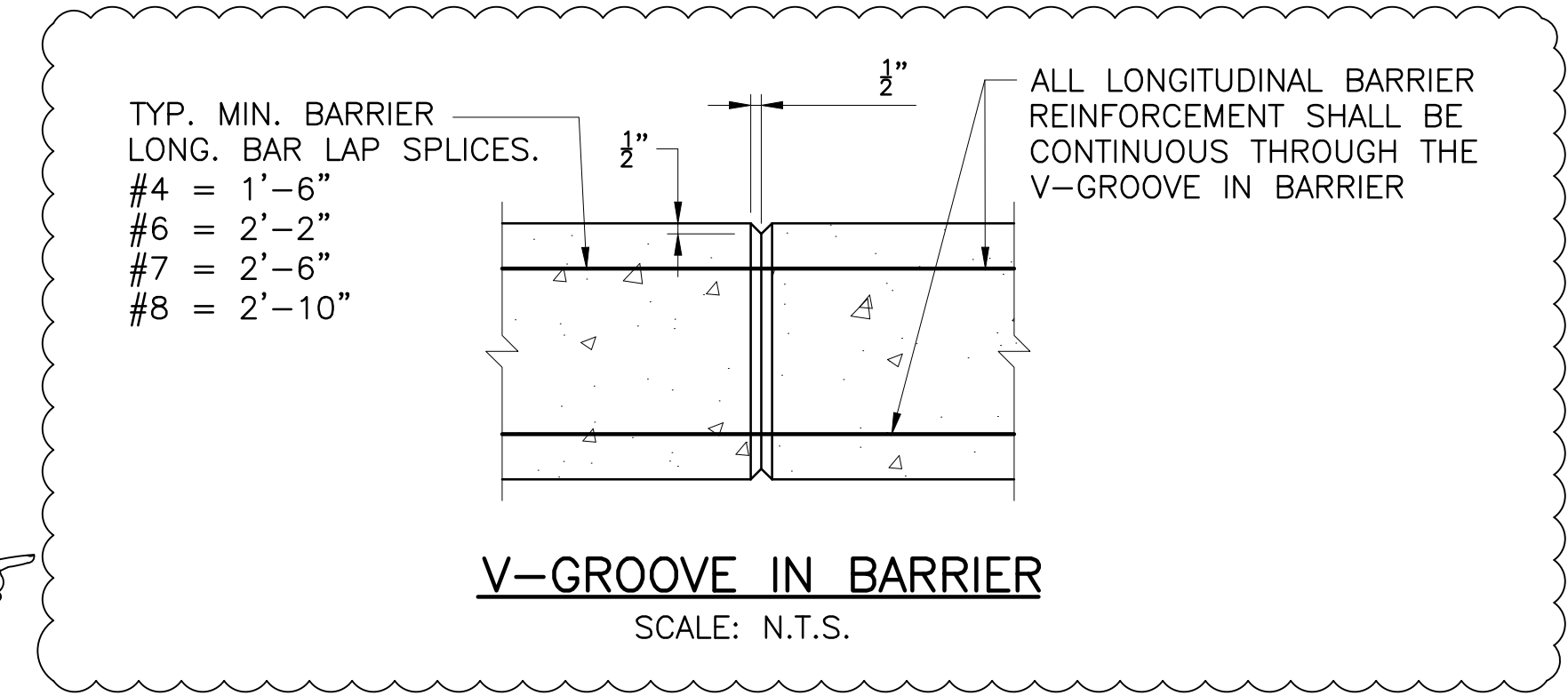
HAUNCH DETAIL - STEEL GIRDER

SCALE: N.T.S.



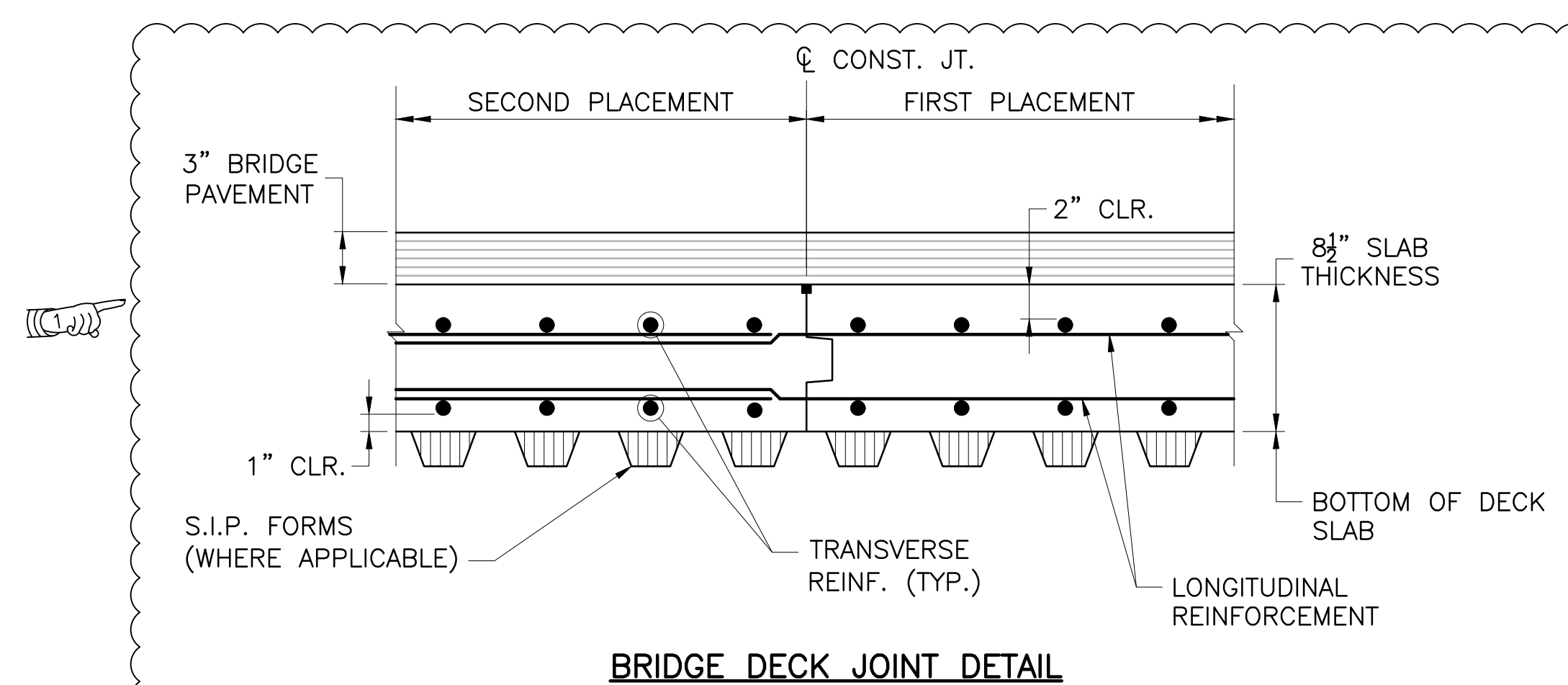
NOTES

1. FORM ENDS SHALL BE CRIMPED CLOSED IN A TAPERED MANNER. SEPARATE END CLOSURE PIECES WILL NOT BE ALLOWED.
2. SUPPORT ANGLES SHALL BE PLACED IN THE "LEG DOWN" POSITION WHERE POSSIBLE. HOWEVER, WHERE THE "LEG UP" POSITION IS NECESSARY, THE UPPER MOST PORTION OF THE ANGLE SHALL NOT PROJECT MORE THAN 1 INCH ABOVE THE TOP OF THE GIRDER. THE CONTRACTOR SHALL HAVE AN ASSORTMENT OF ANGLES OF VARIOUS SIZES AVAILABLE ON THE SITE TO CONFORM TO THIS REQUIREMENT.
3. S.I.P. FORMS SHALL BE DESIGNED FOR THE DEAD LOAD OF THE FORM AND THE CONCRETE PLUS A MINIMUM 50 POUNDS PER SQUARE FOOT FOR CONSTRUCTION LOADS.
4. MAXIMUM DEFLECTION UNDER THE WEIGHT OF FORMS, REINFORCEMENT AND CONCRETE, OR A MINIMUM OF 120 POUNDS PER SQUARE FOOT SHALL NOT EXCEED THE LESSER OF 1/180 OF THE FORM SPAN OR 1/2 INCH. THE DESIGN SPAN FOR FORMS SHALL BE THE CLEAR DISTANCE BETWEEN GIRDER FLANGES MEASURED PARALLEL TO THE FORM FLUTES MINUS 2 INCHES.

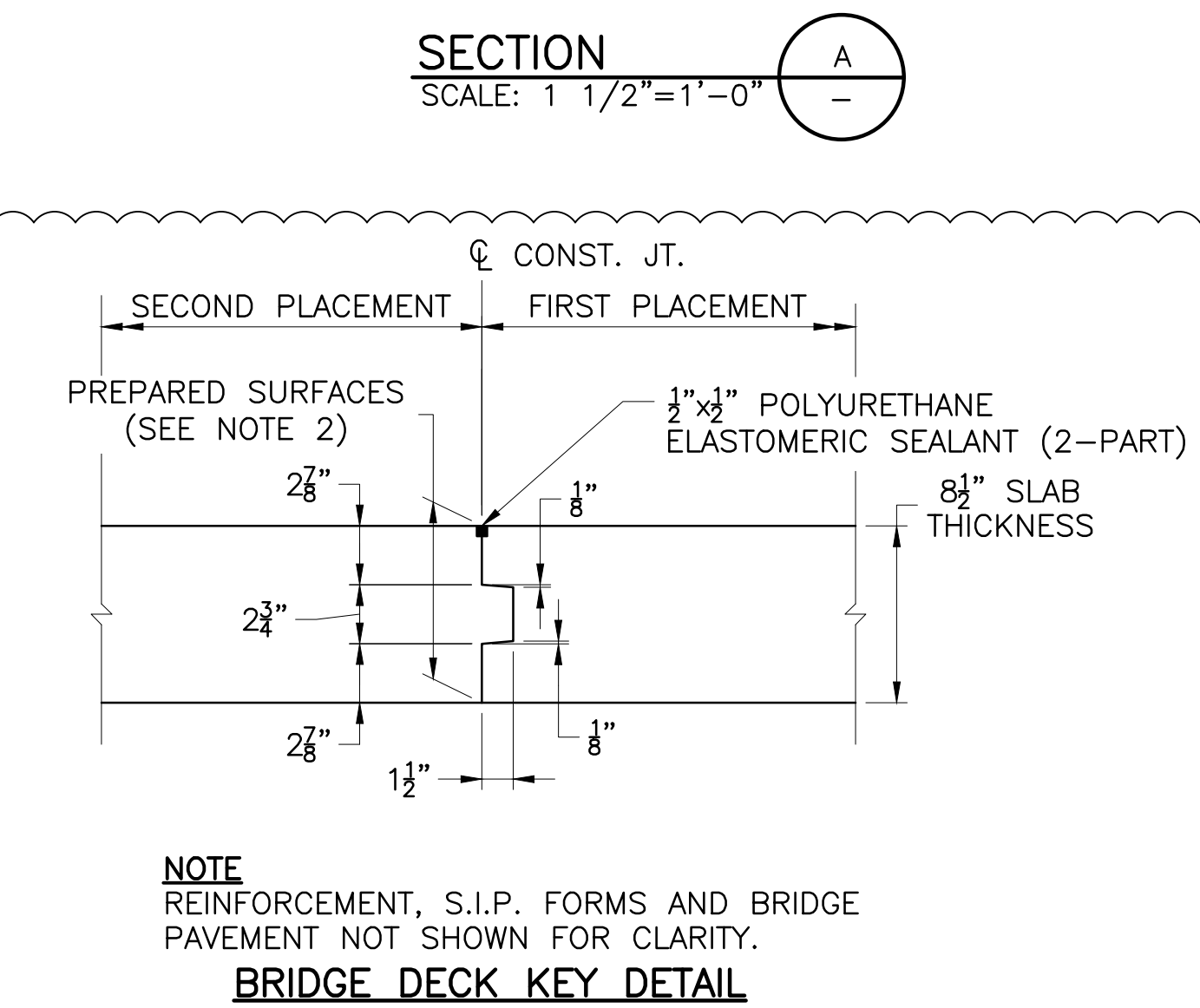


NOTES

1. BRIDGE DECK SHALL BE PLACED IN ACCORDANCE WITH PLACEMENT SEQUENCE SHOWN ON THE DECK PLANS.
2. THE SURFACE OF THE PREVIOUSLY CAST CONCRETE SHALL BE BLAST CLEANED, ROUGHENED, WETTED WITH CLEAN WATER, AND THEN FLUSHED WITH A MORTAR COMPOSED OF EQUAL PARTS CONCRETE, BEFORE NEW CONCRETE IS PLACED ADJACENT THERETO. NEW CONCRETE SHALL BE PLACED BEFORE MORTAR HAS TAKEN INITIAL SET.
3. TRANSVERSE REINFORCEMENT LISTED AS STRAIGHT SHALL BE SHOP OR FIELD BENT AS REQUIRED TO PROVIDE MINIMUM COVER.
4. REFER TO CONCRETE NOTES ON JOB SPECIFIC GENERAL NOTES 2 FOR REINFORCING COVER TOLERANCES AND ADDITIONAL INFORMATION.
5. CHAIRS SHALL BE SPACED TO PROVIDE THE REQUIRED CONCRETE COVER WITH THE SPECIFIED TOLERANCES. MAXIMUM SPACING OF CHAIRS SHALL BE 5'-0" ON CENTER, PREFERABLY LOCATED AT THE INTERSECTION OF REINFORCEMENT. CHAIRS SHALL HAVE APPROVED CORROSION PROTECTION.
6. ALL TRANSVERSE REINFORCING SHALL BE PLACED PARALLEL TO THE CENTERLINE OF SUPPORTS.
7. ALL LONGITUDINAL REINFORCING SHALL BE PLACED PARALLEL TO GIRDERS UNLESS NOTED OTHERWISE.
8. ALTERNATE SPLICES OF REINFORCEMENT WHERE POSSIBLE.
9. ALL REINFORCEMENT IN BRIDGE DECK AND BARRIERS SHALL BE GALVANIZED.
10. ANY ADDITIONAL HAUNCH REINFORCING OR CHANGES TO THE LENGTHS OF SHEAR STUDS THAT BECOME NECESSARY DUE TO DEVIATIONS IN THE AS BUILT CAMBER TO THE STRUCTURAL STEEL SHALL BE CONSIDERED AS INCIDENTAL TO THE APPROPRIATE BID ITEMS FOR REINFORCING STEEL AND/OR SHEAR STUDS. THE ADJUSTED LENGTHS OF SHEAR STUDS SHALL BE DETERMINED BY THE ENGINEER. THE REQUIREMENTS FOR REINFORCING FOR HAUNCHES GREATER THAN 4" HIGH SHALL BE AS SHOWN IN THE "SPECIAL HAUNCH REINFORCING & SHEAR STUD DETAIL" FOUND IN R.I. BRIDGE DESIGN STANDARD DETAIL DRAWING 8.10.



BRIDGE DECK JOINT DETAIL



NOTE
REINFORCEMENT, S.I.P. FORMS AND BRIDGE PAVEMENT NOT SHOWN FOR CLARITY.

TRANSVERSE CONSTRUCTION JOINT DETAIL IN BRIDGE DECK

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

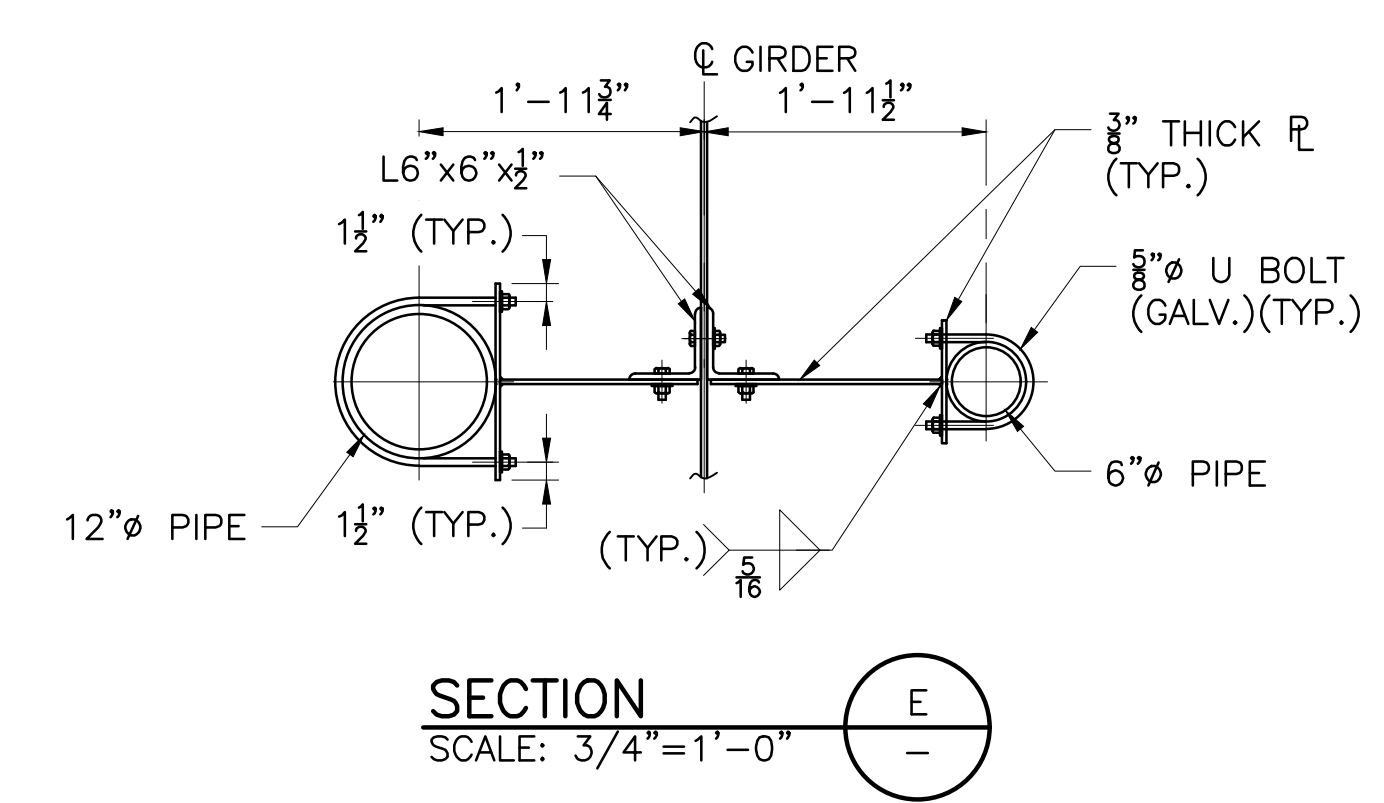
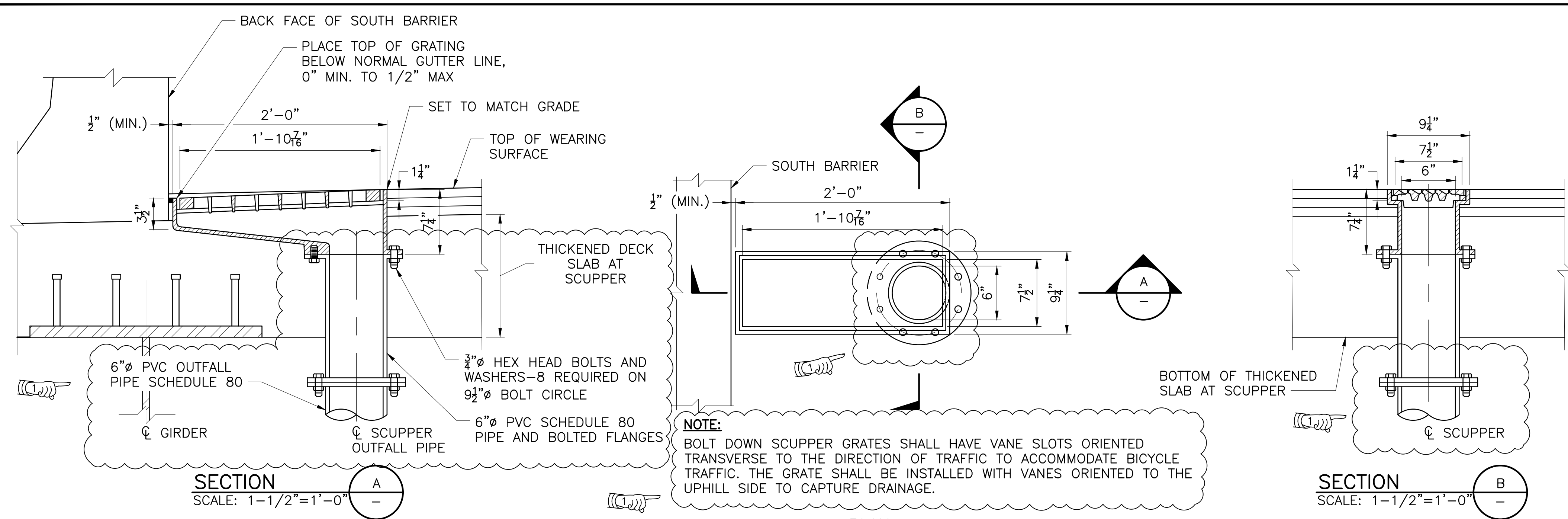
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1	4/17/20				

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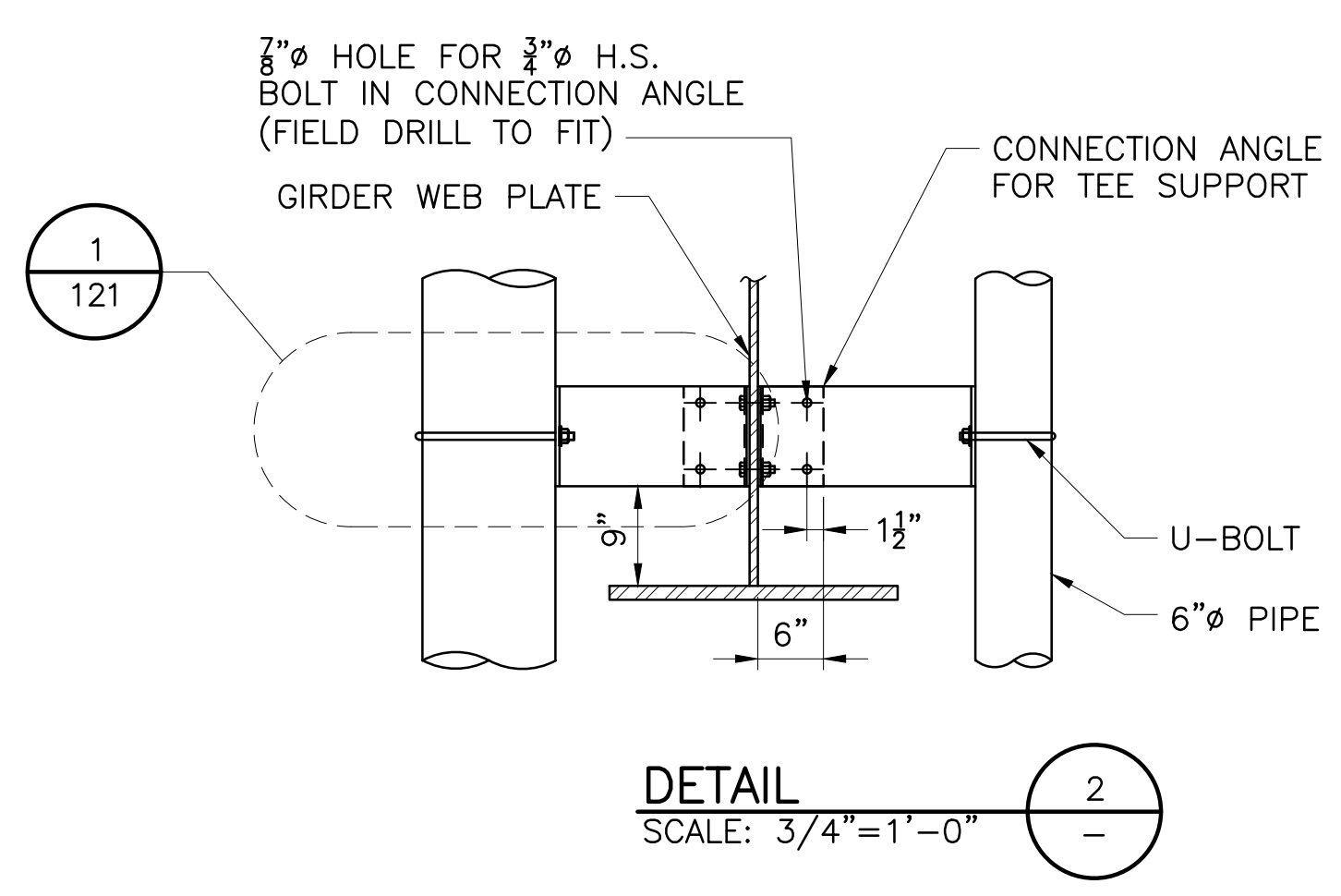
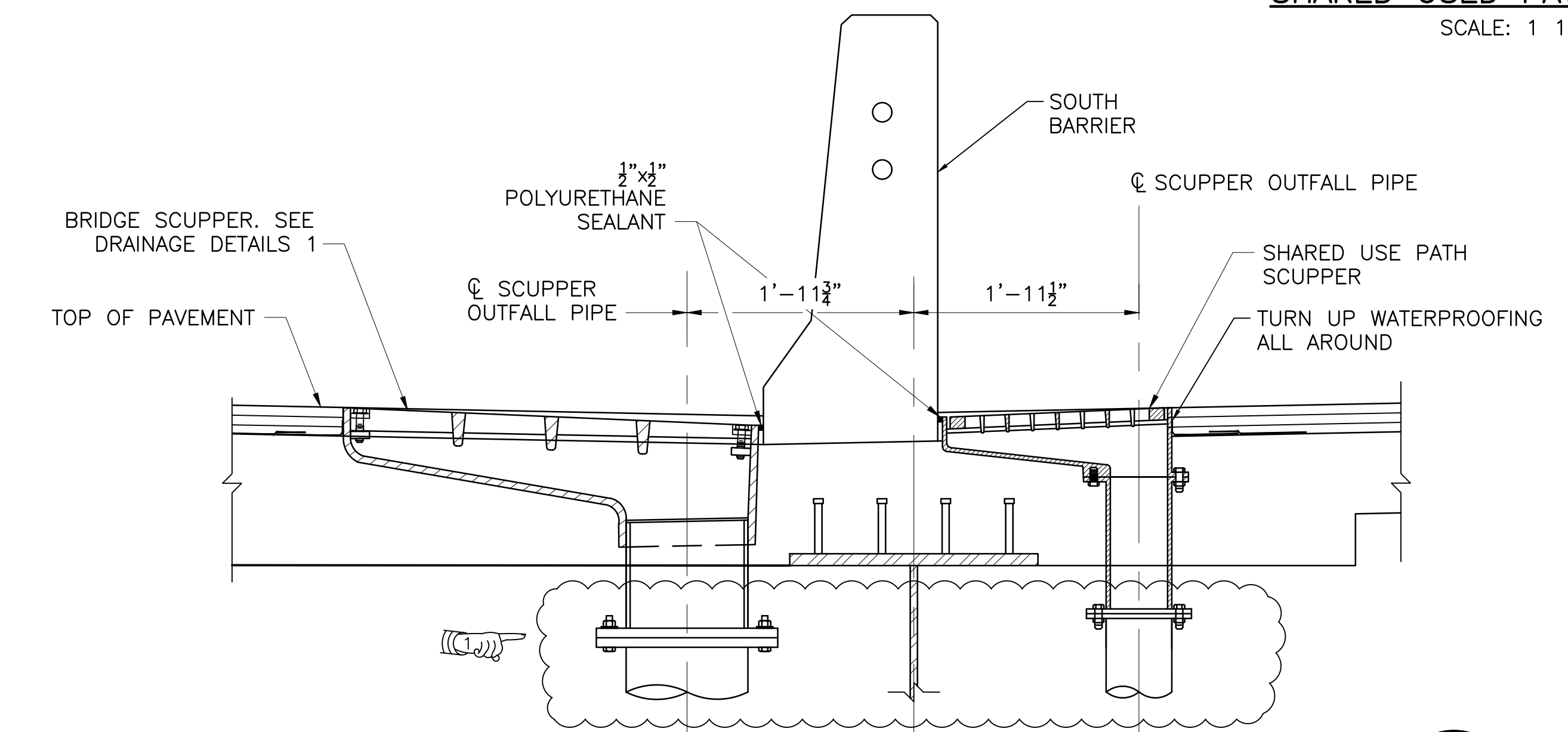
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RECONSTRUCTION OF
HENDERSON BRIDGE NO. 600
PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

DECK DETAILS 3

CHECKED BY _____ DATE _____ SCALE _____



SHARED USED PATH SCUPPER DETAILS
SCALE: 1 1/2"=1'-0"



- NOTES**
- FOR PIPE SUPPORT NOTES AND DRAINAGE NOTES, SEE DRAINAGE DETAILS 1.
 - FOR SCUPPER LOCATIONS, SEE DECK PLANS.
 - THE SHARED USE PATH SCUPPERS SHOWN ON THIS SHEET ARE BASED ON NEENAH MODEL R-4014-TL2. AN ALTERNATE DETAIL OF SIMILAR DIMENSIONS AND EQUAL CAPACITY MAY BE SUBMITTED FOR APPROVAL OF THE ENGINEER.

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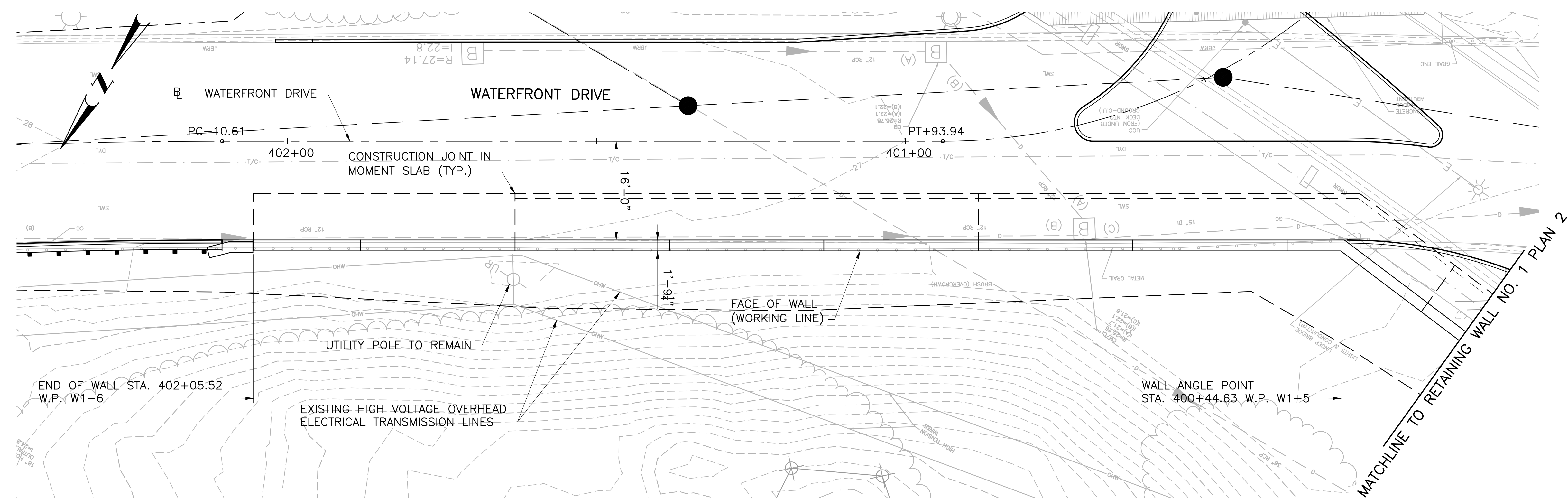
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DEPARTMENT OF TRANSPORTATION

BRIDGE GROUP 49 - HENDERSON
RECONSTRUCTION OF
HENDERSON BRIDGE NO. 600
PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

DRAINAGE DETAILS 2

CHECKED BY _____ DATE _____ SCALE _____

RETAINING WALL NO. 1		
WORKING POINT	NORTHING	EASTING
W1-1	271818.9468	362087.9881
W1-2	271812.1258	362186.7528
W1-3	271769.2420	362354.6120
W1-4	271701.0825	362502.2044
W1-5	271692.6987	362605.4143
W1-6	271787.2768	362755.8507

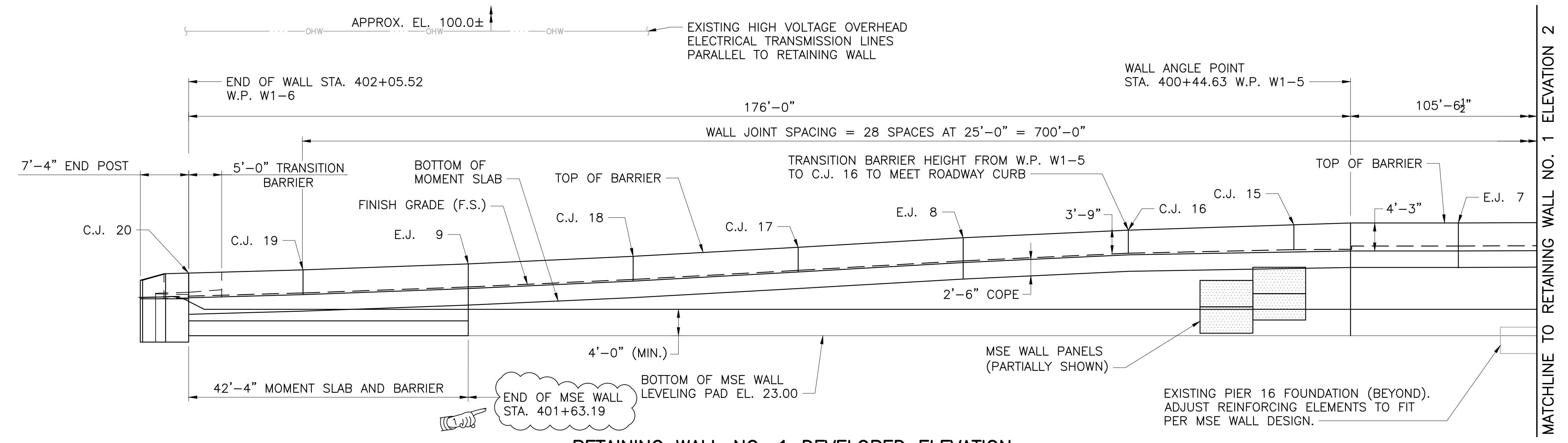


RETAINING WALL NO. 1 PLAN
 SCALE: 1"=1'-0"

WALL ELEVATIONS			WALL ELEVATIONS		
LOCATION	TOP OF WALL BARRIER	BOTTOM OF MOMENT SLAB	LOCATION	TOP OF WALL BARRIER	BOTTOM OF MOMENT SLAB
W1-1	37.01	29.04 *	C.J. 12	36.95	31.05
C.J. 1	36.30	30.05	W1-4	37.22	30.97
C.J. 2	35.61	29.36	E.J. 6	38.20	30.45
E.J. 1	35.02	28.77	C.J. 13	39.20	31.45
W1-2	34.53	28.28	C.J. 14	40.20	32.45
C.J. 3	34.54	28.29	E.J. 7	40.10	32.35
C.J. 4	34.44	28.19	W1-5	40.43	32.68
E.J. 2	34.18	27.93	C.J. 15	39.55	33.67
C.J. 5	34.01	23.43 *	C.J. 16	39.01	32.76
C.J. 6	33.93	23.43 *	E.J. 8	37.89	31.64
E.J. 3	33.96	23.43 *	C.J. 17	36.40	30.15
C.J. 7	34.08	23.43 *	C.J. 18	35.03	28.78
W1-3	34.17	27.92	E.J. 9	33.89	27.64
C.J. 8	34.28	28.03	C.J. 19	32.98	23.00
E.J. 4	34.34	28.09	W1-6	32.48	23.00
C.J. 9	34.76	24.26 *			
C.J. 10	35.27	24.26 *			
E.J. 5	35.83	29.58			
C.J. 11	36.39	30.14			

NOTES

- REFER TO HIGHWAY PLANS (VOLUME 1) FOR COMPLETE GEOMETRY AND CURVE DATA FOR ROADWAY.
- REFER TO VOLUME 1 FOR ADDITIONAL DRAINAGE, LIGHTING, SIGNING, AND STRIPING INFORMATION.
- WALL CORNER ANGLE POINT AT W.P. W1-5 @ WATERFRONT DRIVE STA. 400+44.63 OFFSET= 34.88' LT. EQUALS @ HENDERSON BRIDGE STA. 123+06.16 OFFSET= 55.63' LT.
- FORMLINER FINISH: FITZGERALD ASHLAR PATTERN 16986 OR EQUIVALENT.
- CONSTRUCTION JOINT IN MOMENT SLAB FOOTING TO BE LOCATED AT EXPANSION JOINTS IN BARRIER AND STEM.
- BOTTOM OF FOOTING LEVEL AT APPROACH SLAB AND AT DRAINAGE STRUCTURES. SEE RETAINING WALL DETAIL SHEETS.
- TRANSITION HEIGHT OF BARRIER FROM C.J. 11 TO W.P. W1-4 TO MEET ROADWAY CURB. TRANSITION BARRIER HEIGHT FROM W.P. 5 TO C.J. 16 TO MEET ROADWAY CURB. SEE RETAINING WALL DETAILS 2.
- EXPANSION AND CONTRACTION JOINT SPACING DIMENSIONS ARE MEASURED AT THE FACE OF WALL.



RETAINING WALL NO. 1 DEVELOPED ELEVATION
 SCALE: 1"=1'-0"

LEGEND

- C.J. - CONTRACTION JOINT
- E.J. - EXPANSION JOINT
- ⊗ - BORING

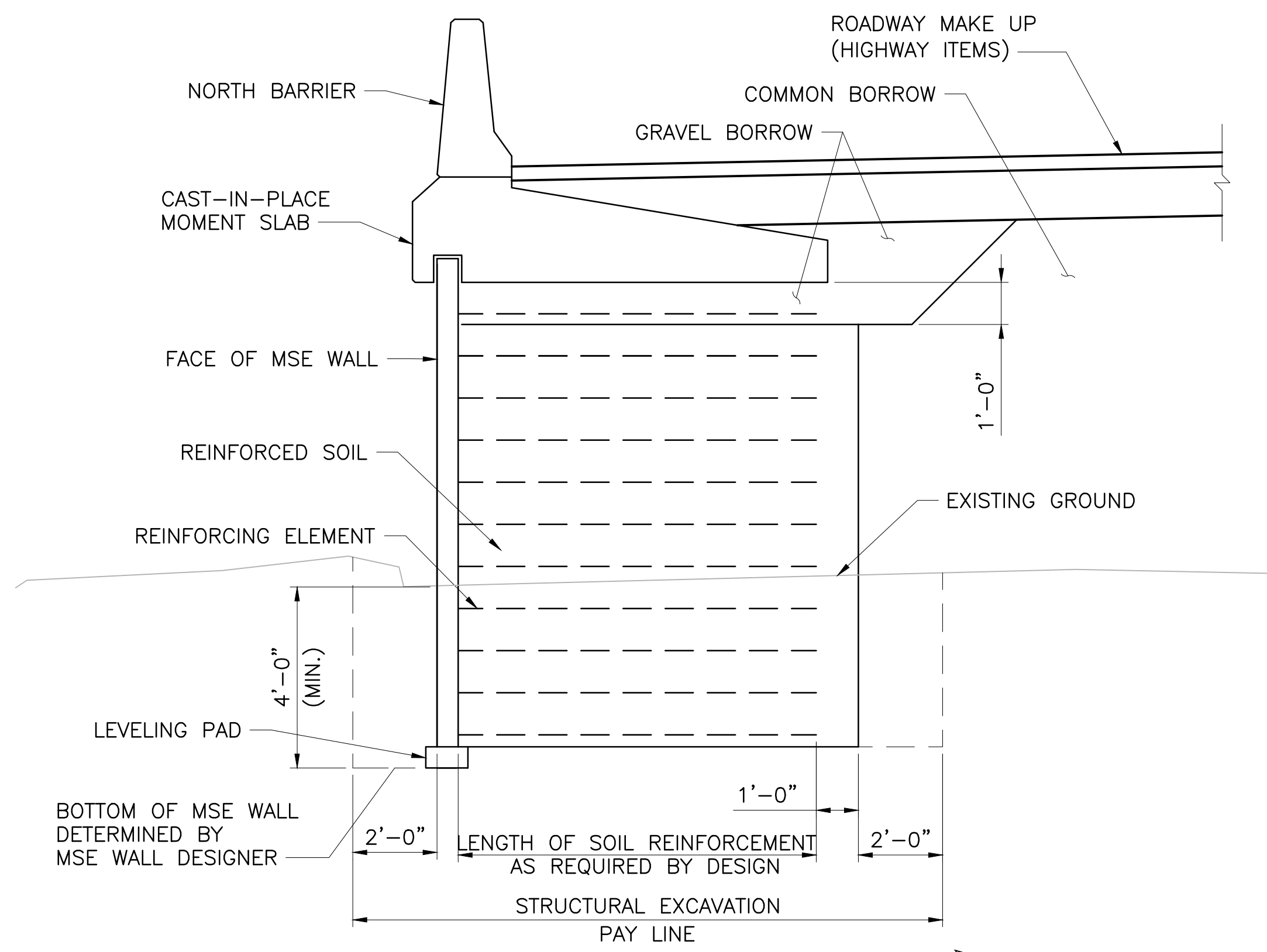
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 RECONSTRUCTION OF
 HENDERSON BRIDGE NO. 600
 PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

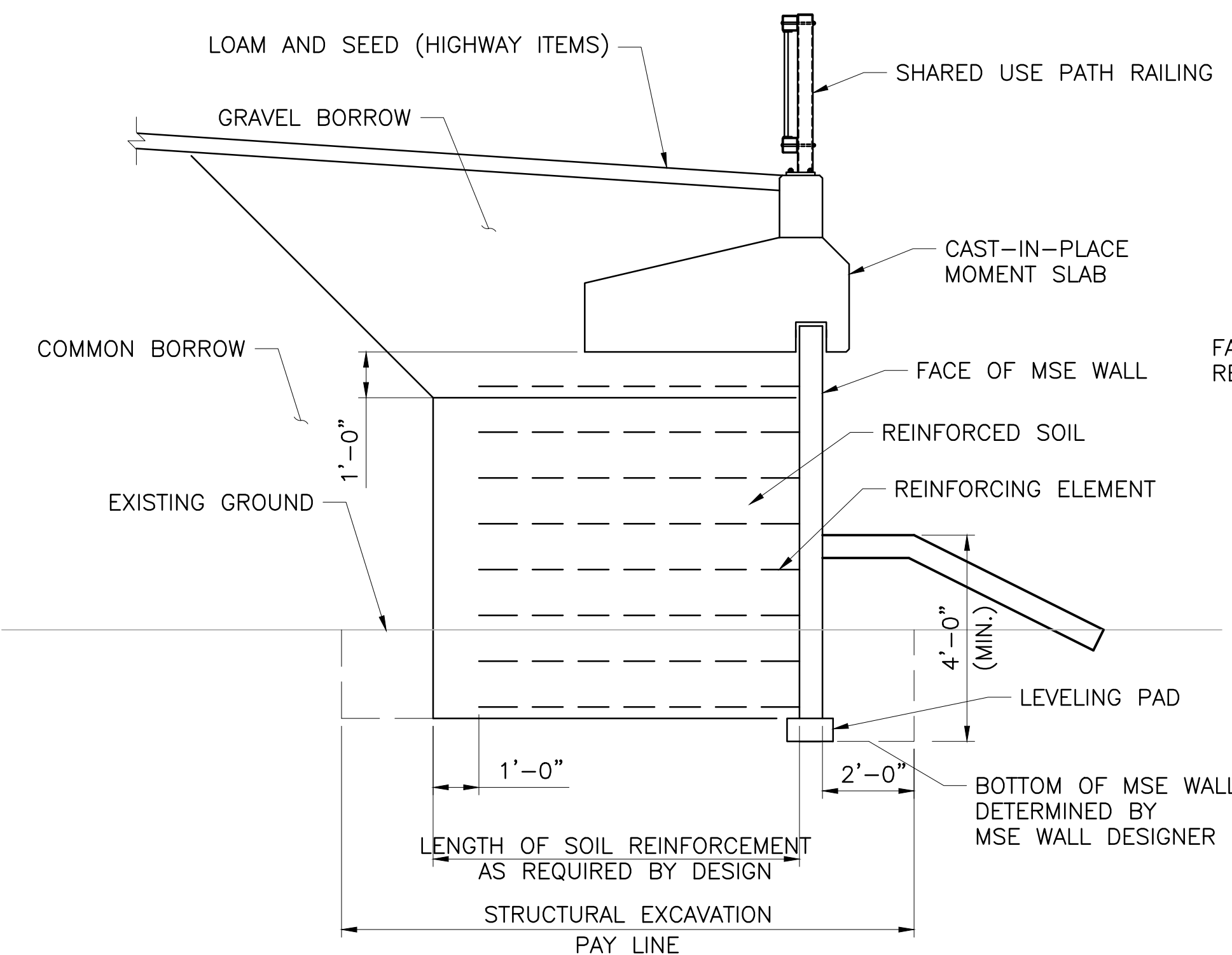
**RETAINING WALL NO. 1
 PLAN AND ELEVATION 1**

CHECKED BY _____ DATE _____ SCALE _____

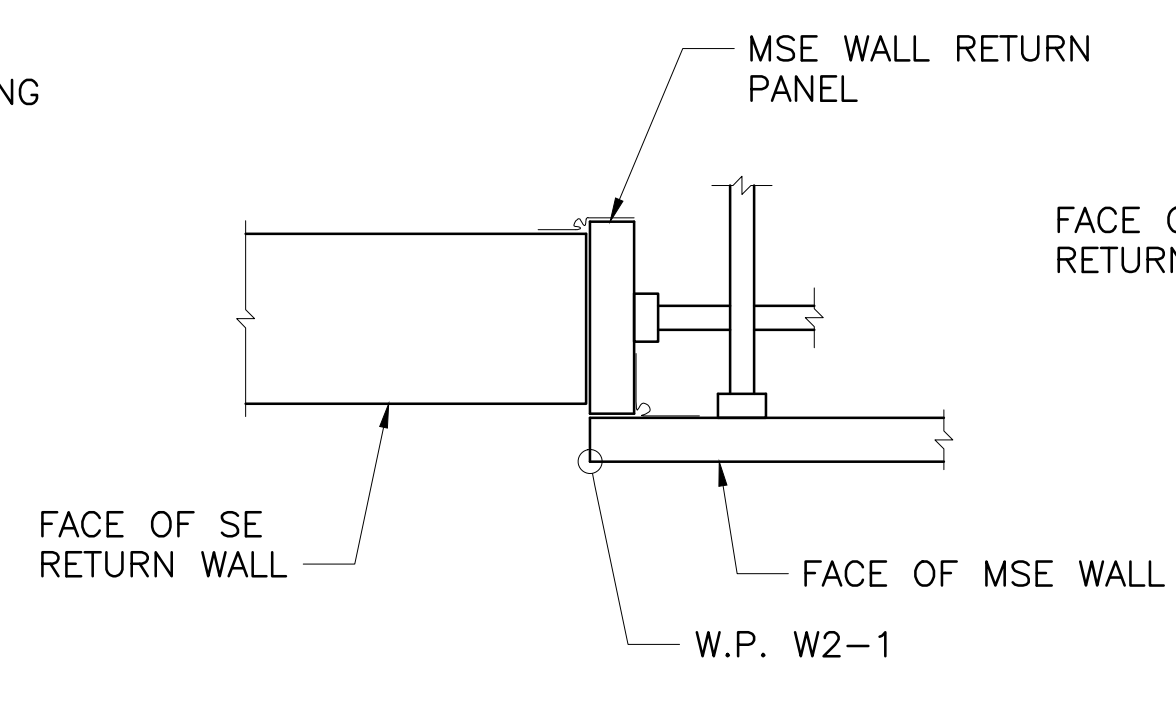




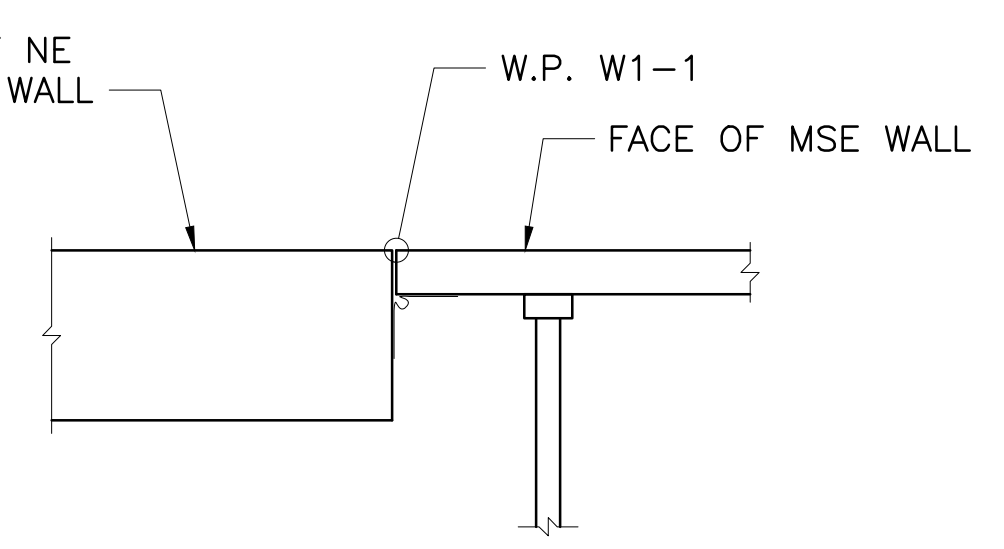
RETAINING WALL NO. 1 SECTION
HENDERSON BRIDGE STA. 121+91.93 TO WATERFRONT DRIVE STA. 401+63.19
 SCALE: 3/8"=1'-0"



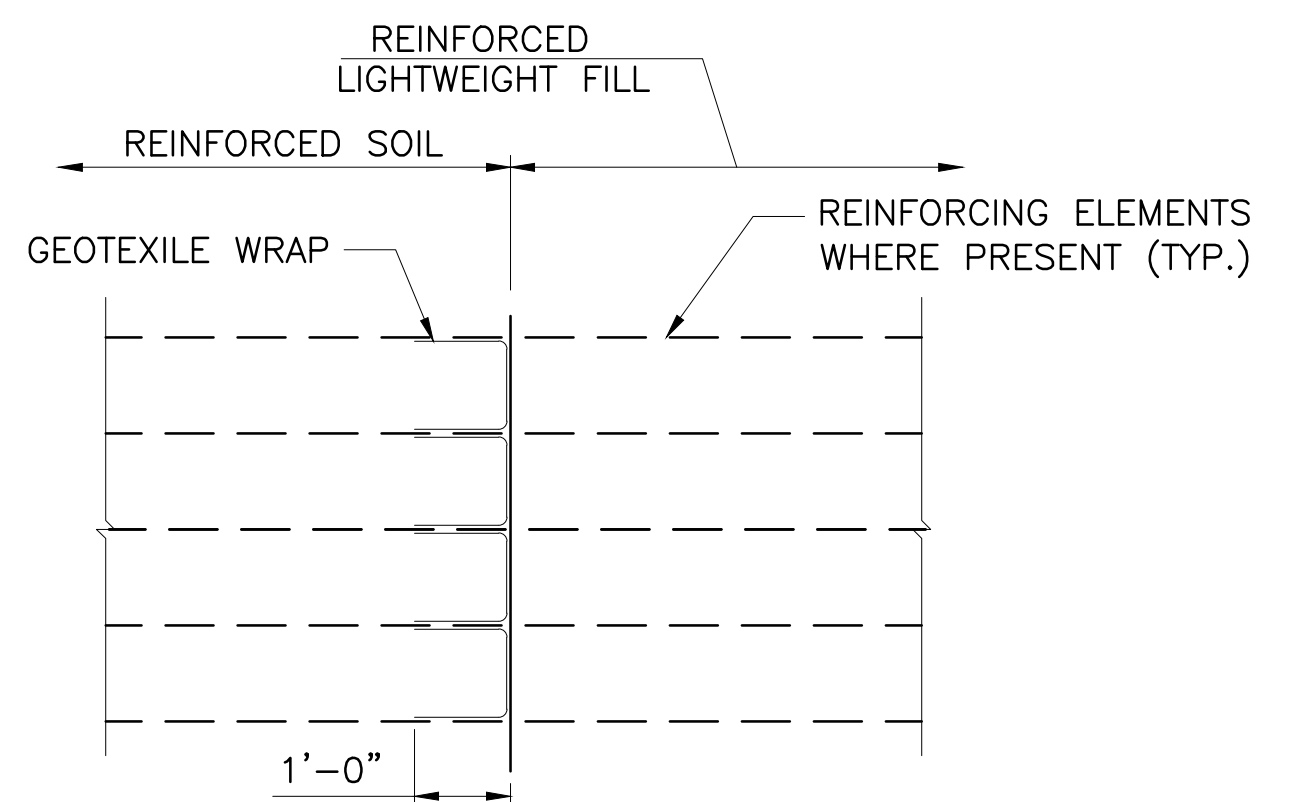
RETAINING WALL NO. 2 SECTION
STA. 120+98.26 TO STA. 121+55.43
 SCALE: 3/8"=1'-0"



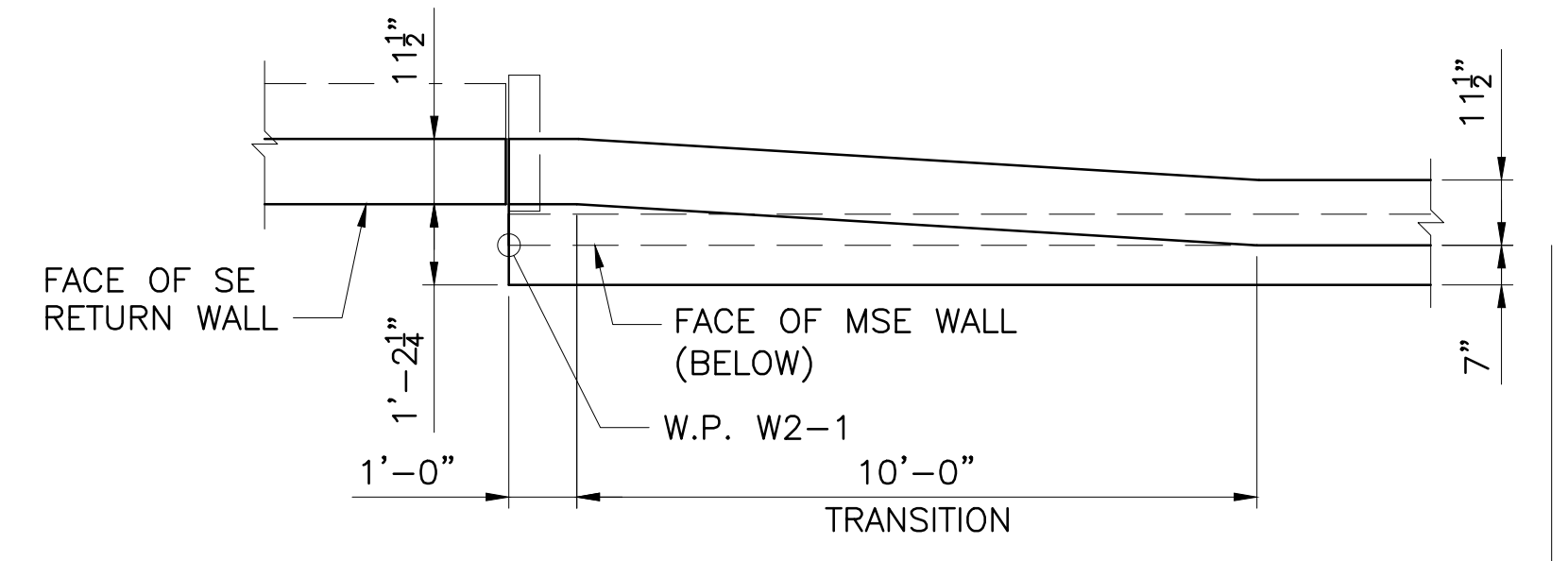
MSE WALL TREATMENT AT SE RETURN WALL
 SCALE: 1/2"=1'-0"



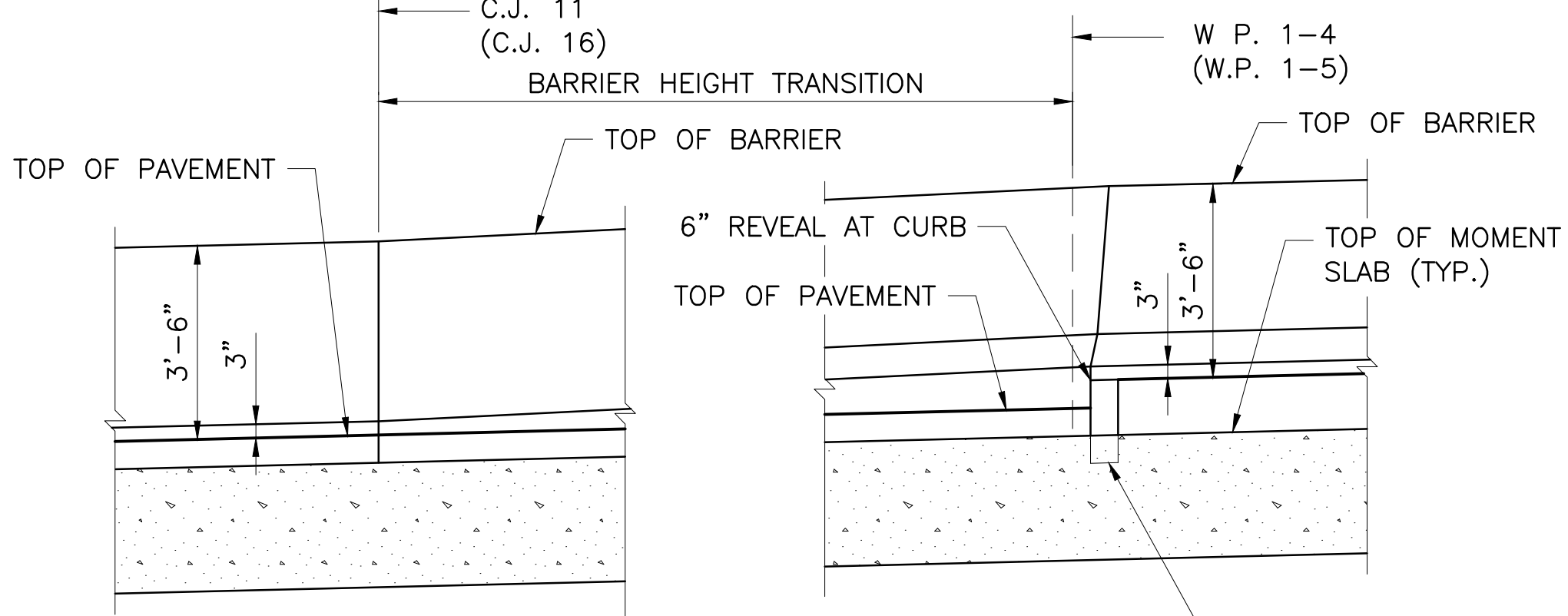
MSE WALL TREATMENT AT NE RETURN WALL
 SCALE: 1/2"=1'-0"



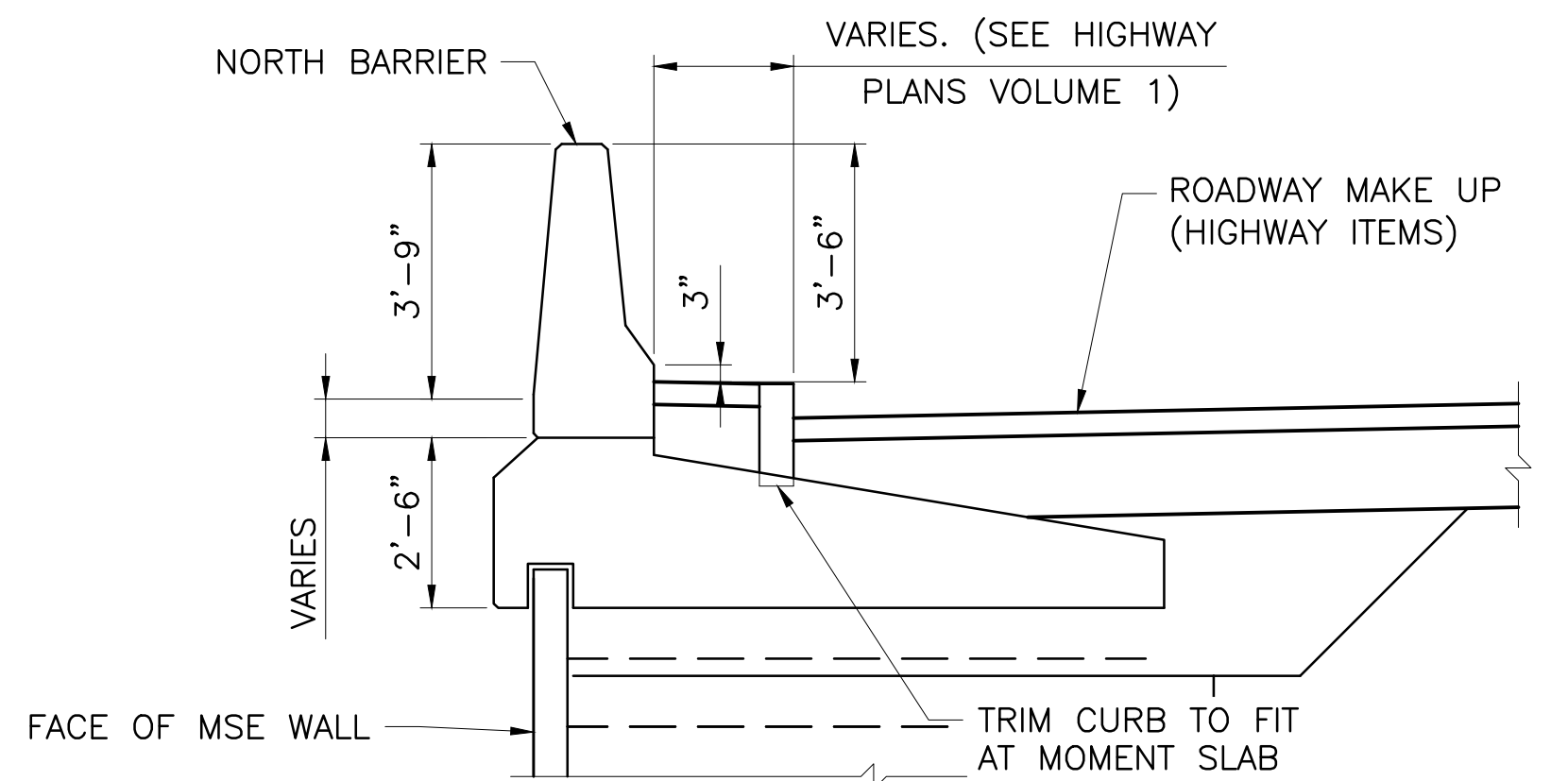
LIGHTWEIGHT FILL/REINFORCED SOIL TRANSITION DETAIL
 SCALE: 1/2"=1'-0"



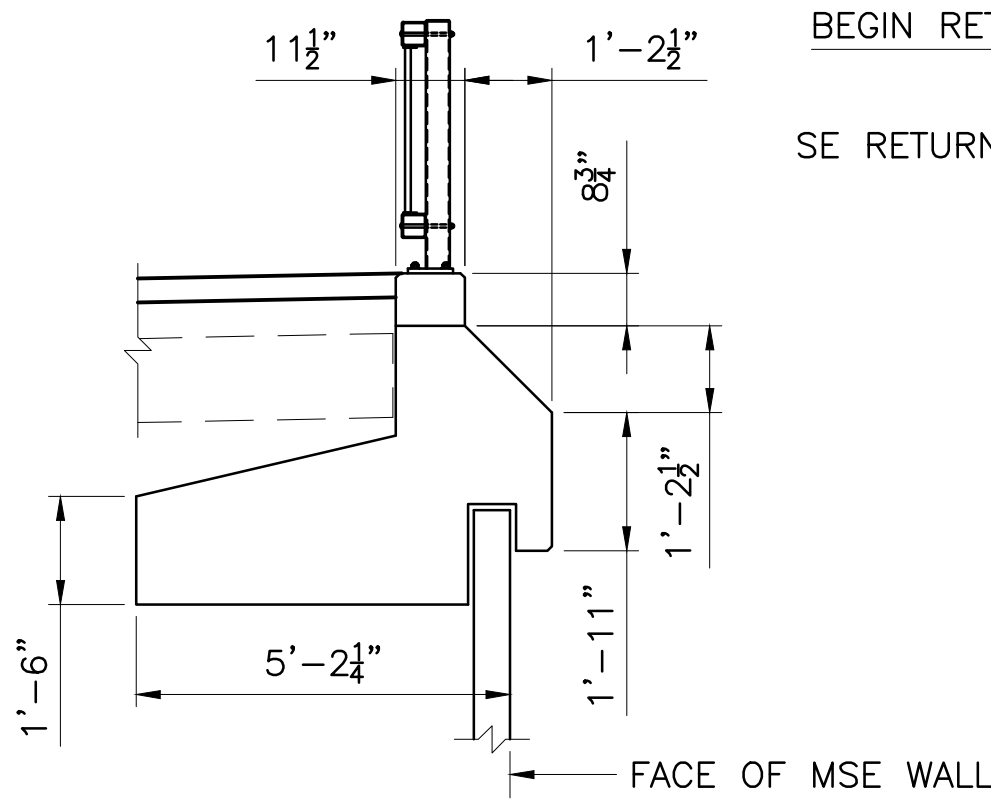
RETAINING WALL NO. 1 TRANSITION TO W.P. W1-4 & W.P. W1-5 DETAIL
 SCALE: 3/8"=1'-0"



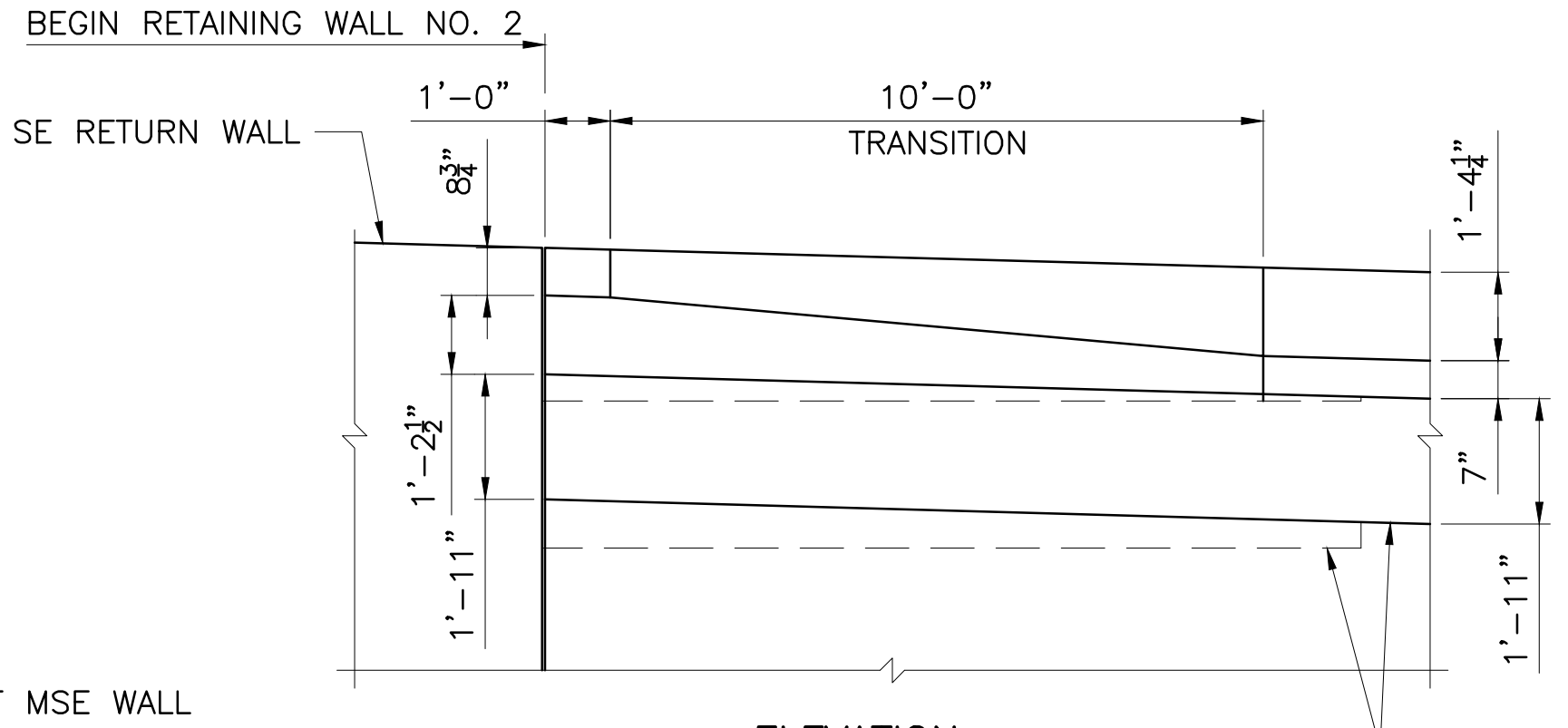
NOTE: TRANSITION AT W.P. W1-4 SHOWN. TRANSITION AT W.P.1-5 SIMILAR



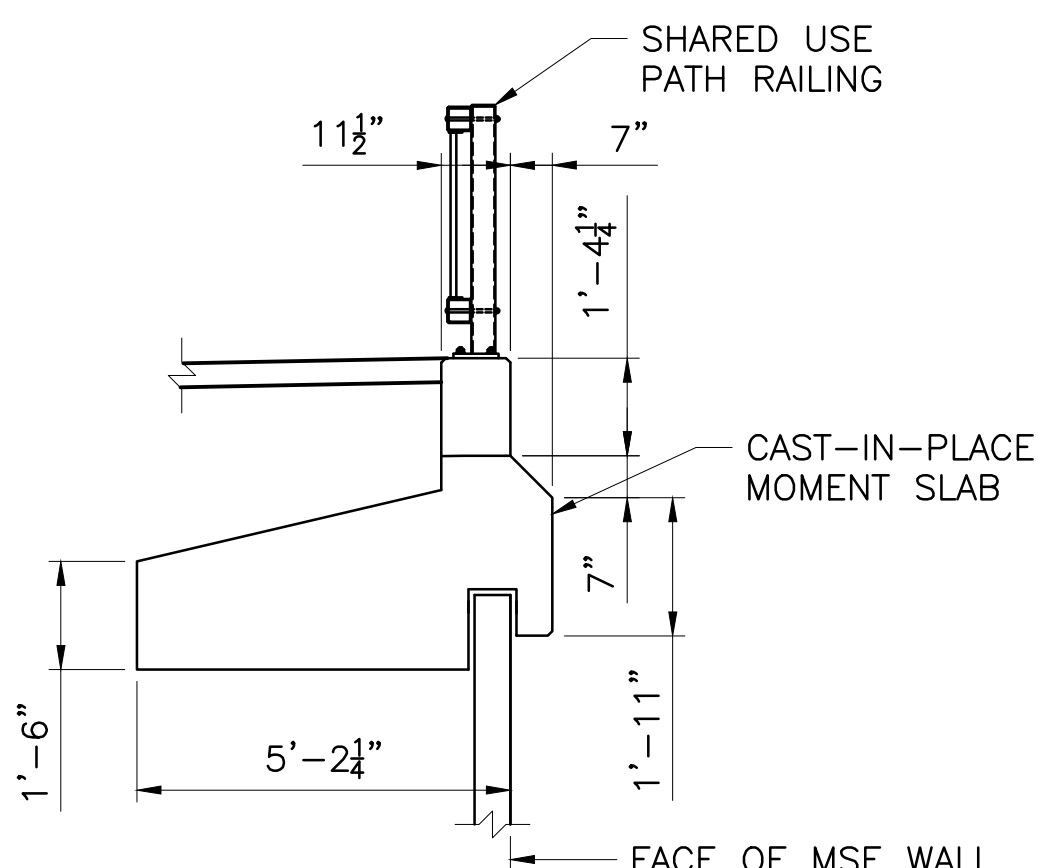
RETAINING WALL NO. 1 SECTION W.P. W1-5 TO W.P. W1-6
 SCALE: 3/8"=1'-0"



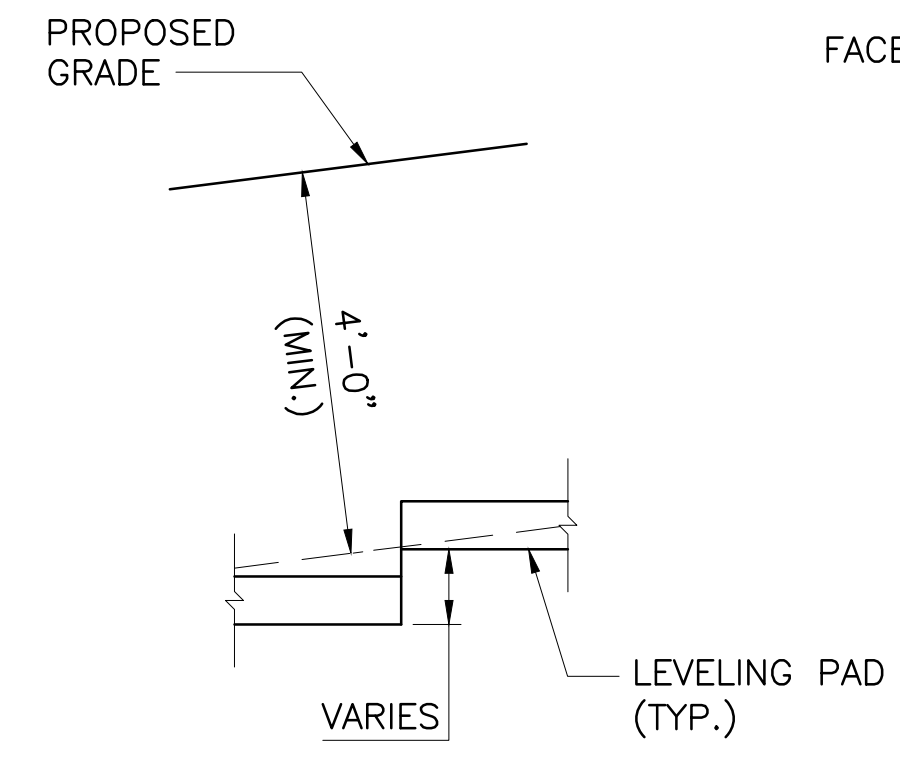
BEGIN SECTION



RETAINING WALL NO. 2 MOMENT SLAB AND WALL STEM TRANSITION
 SCALE: 3/8"=1'-0"



END SECTION



STEP IN LEVELING PAD DETAIL
 SCALE: 1/2"=1'-0"

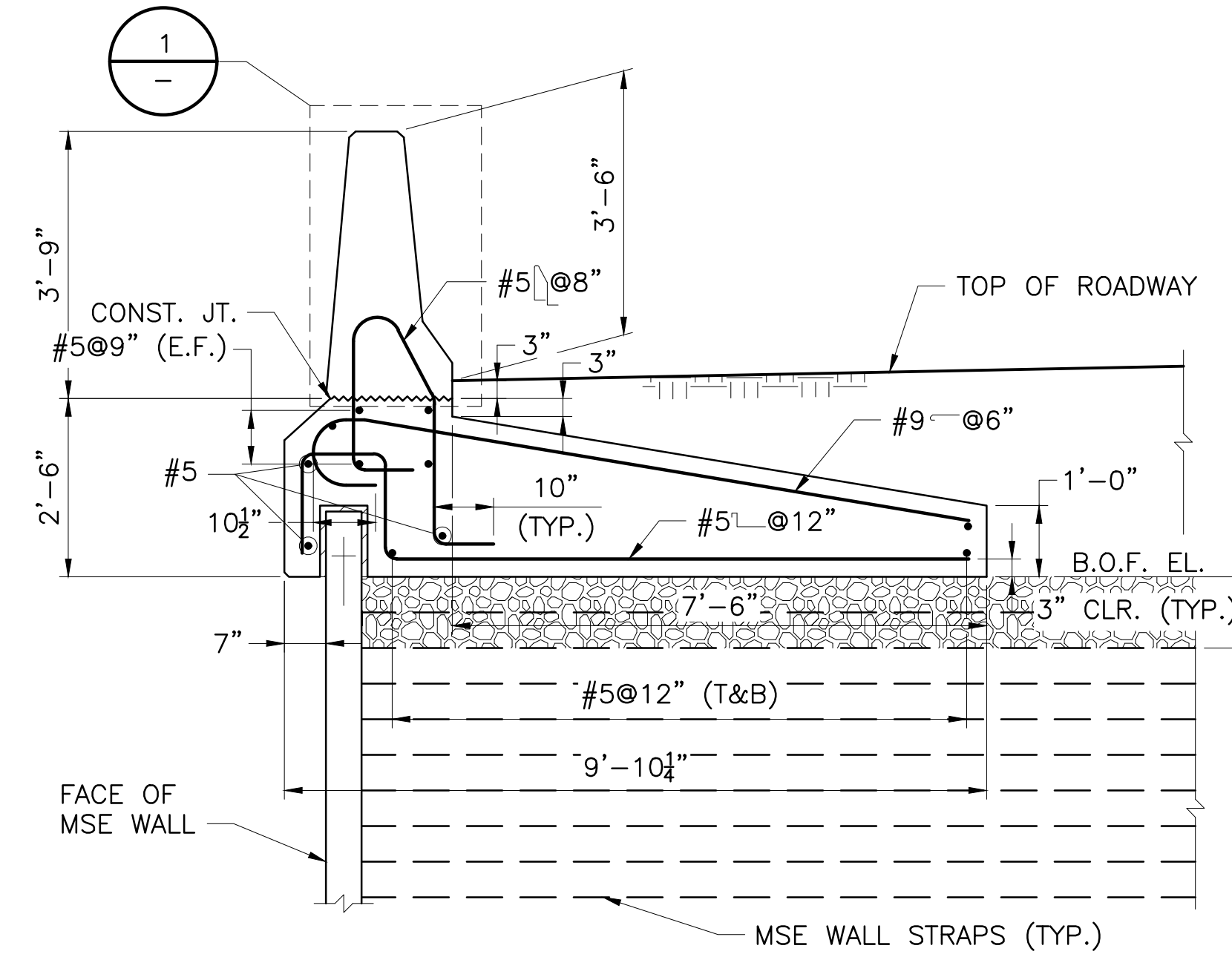
REVISIONS		
NO.	DATE	BY
1	4/17/20	VHB

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

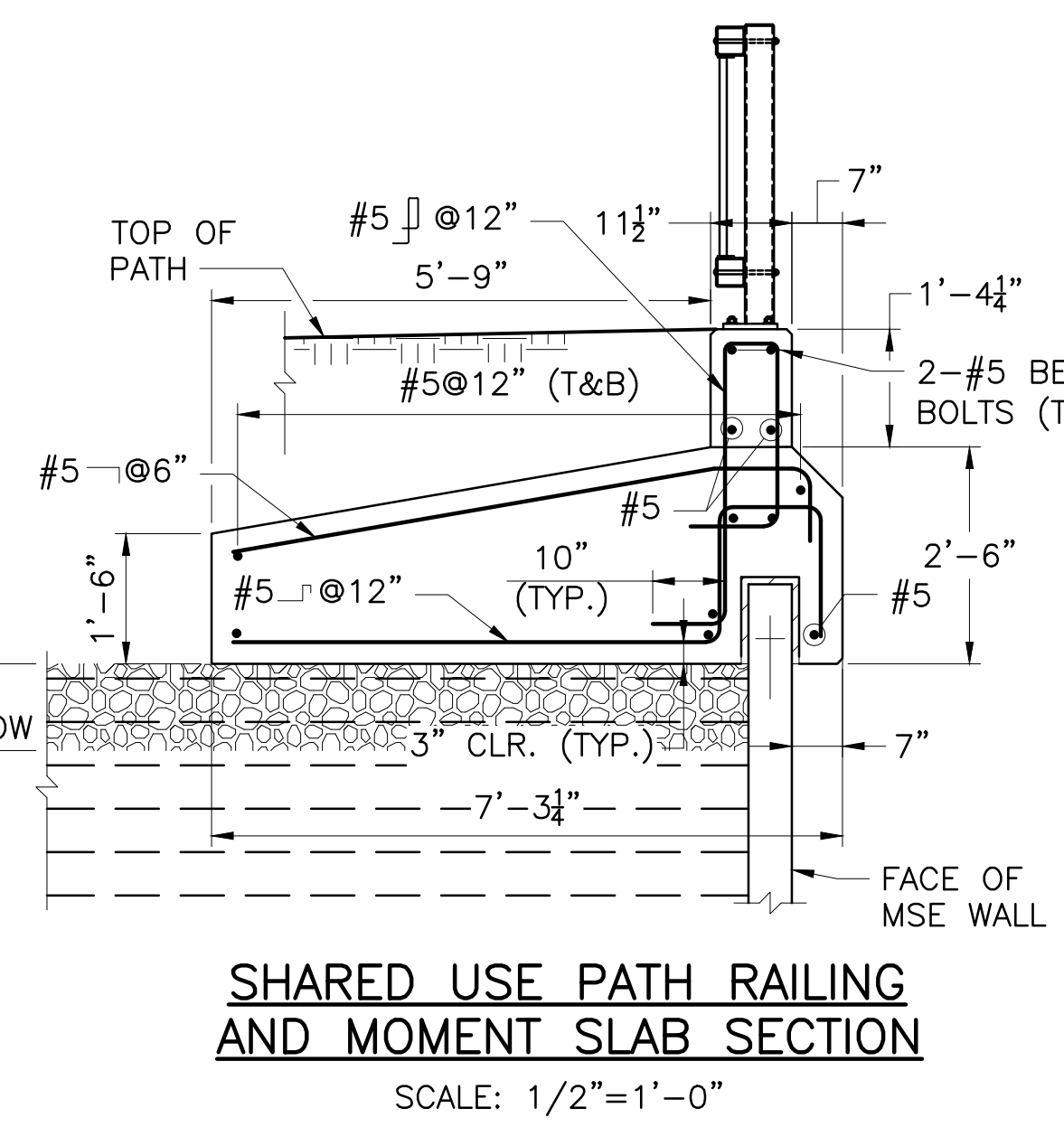
BRIDGE GROUP 49 - HENDERSON RECONSTRUCTION OF HENDERSON BRIDGE NO. 600
 PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

RETAINING WALL DETAILS 2

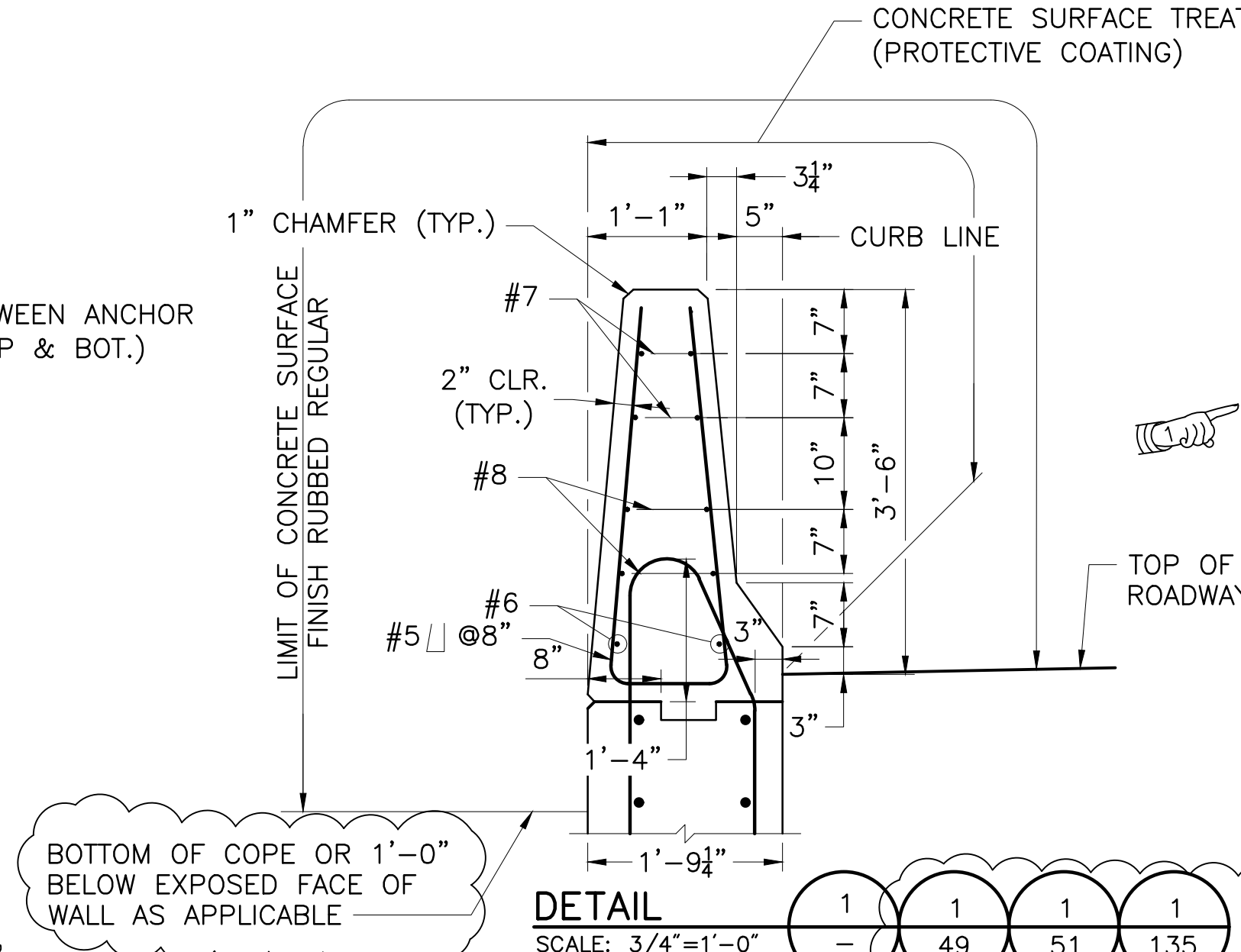
CHECKED BY _____ DATE _____ SCALE _____



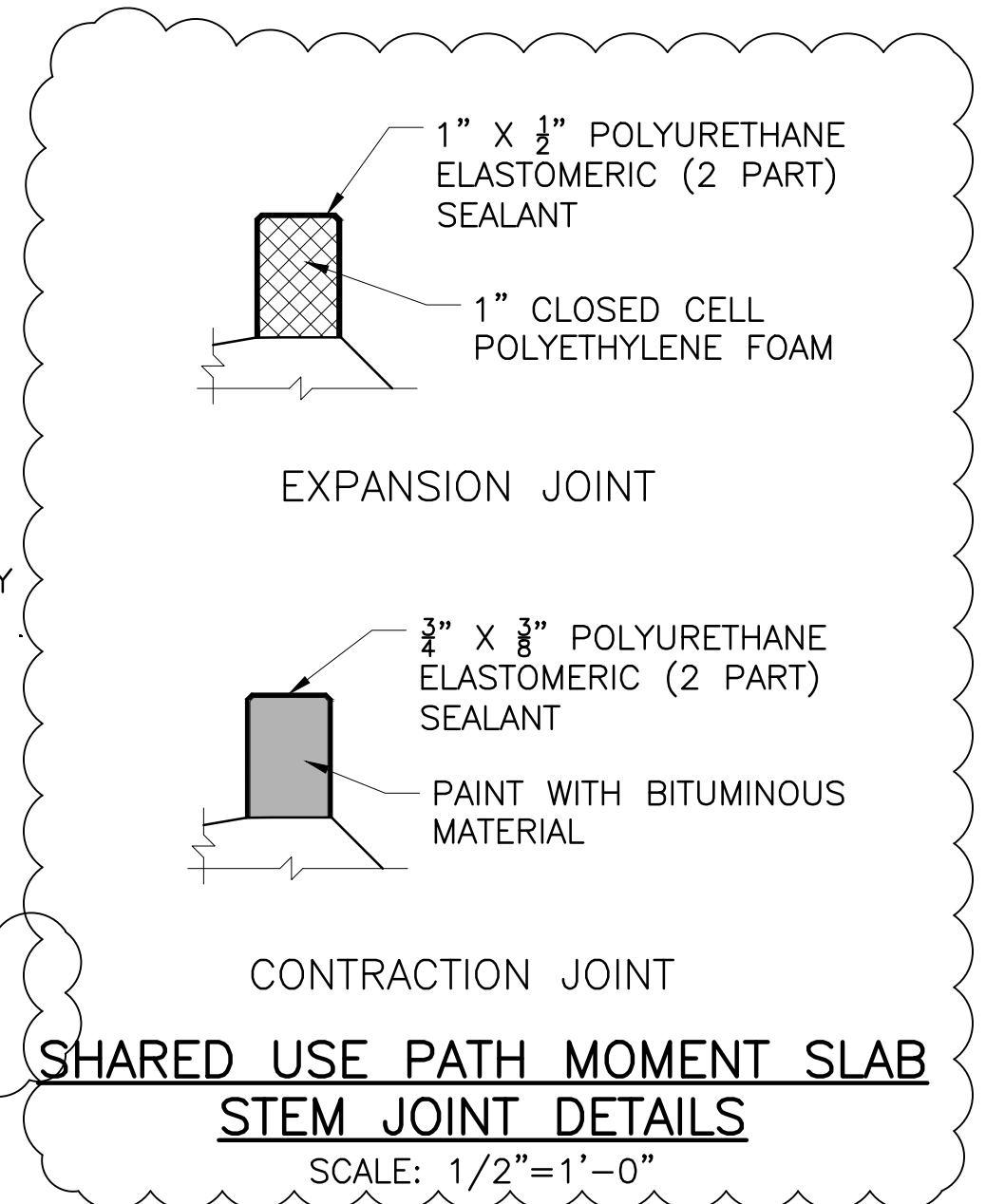
BARRIER AND MOMENT SLAB SECTION
SCALE: 1/2"=1'-0"



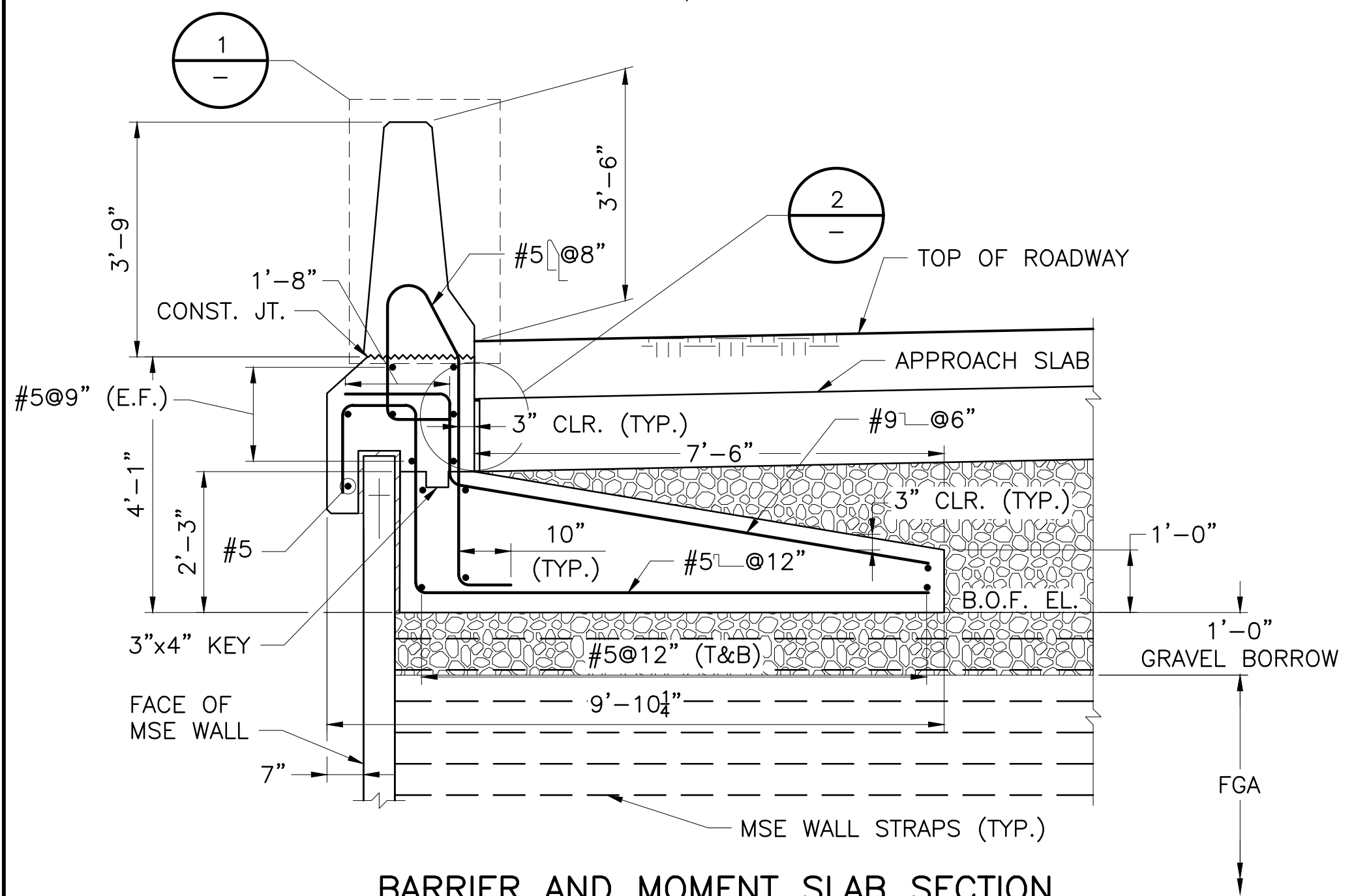
SHARED USE PATH RAILING AND MOMENT SLAB SECTION
SCALE: 1/2"=1'-0"



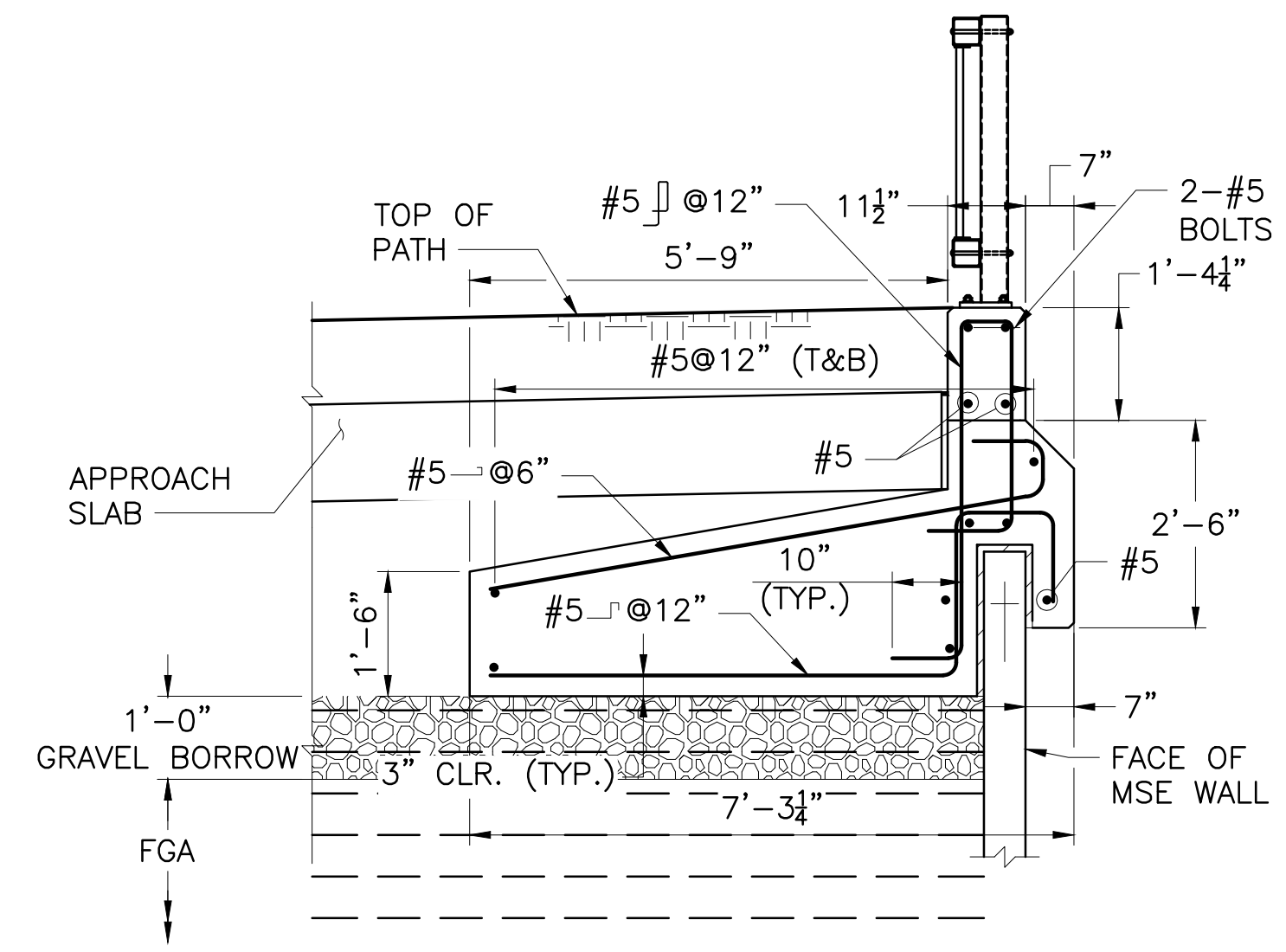
DETAIL
SCALE: 3/4"=1'-0"



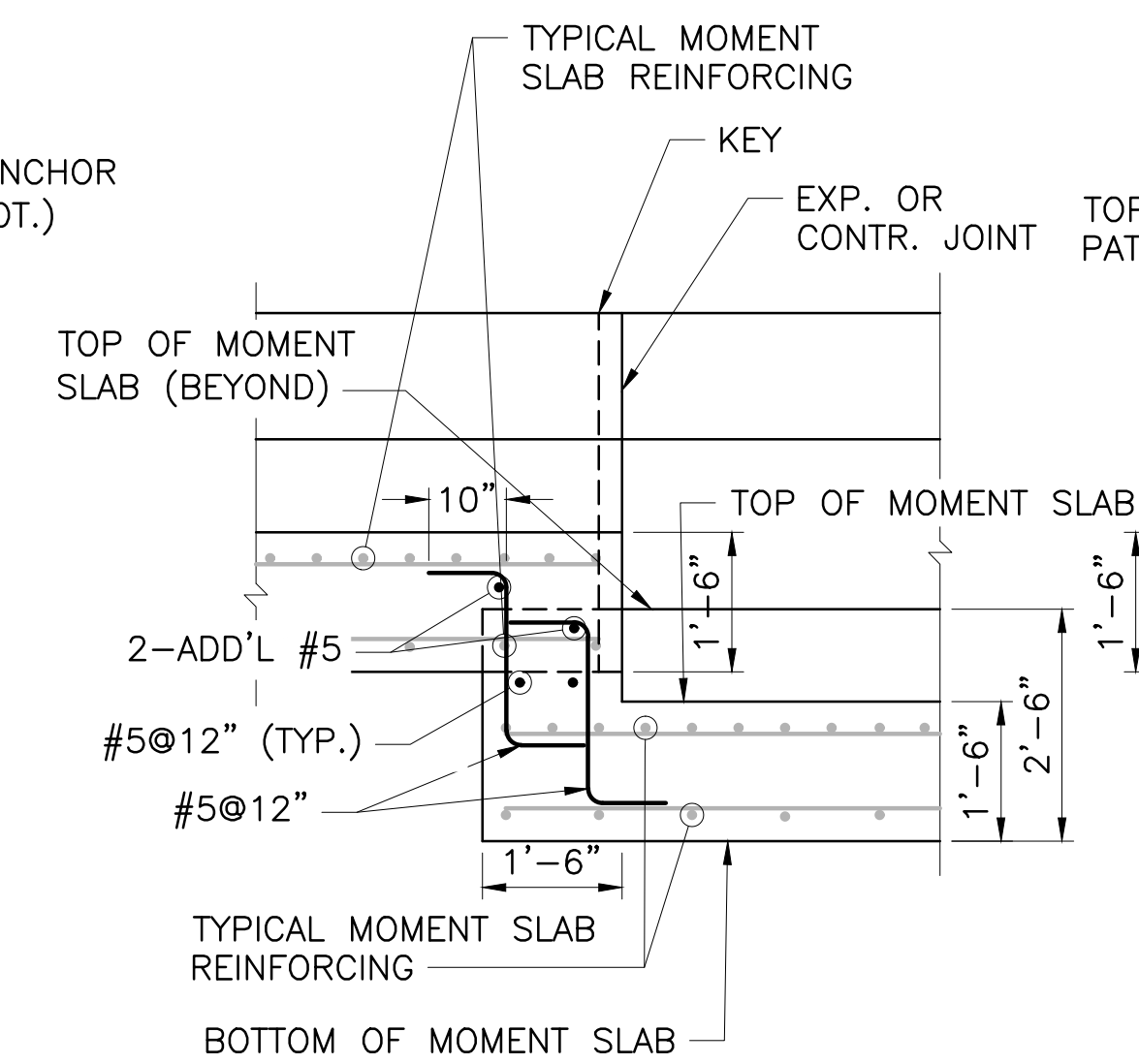
SHARED USE PATH MOMENT SLAB STEM JOINT DETAILS
SCALE: 1/2"=1'-0"



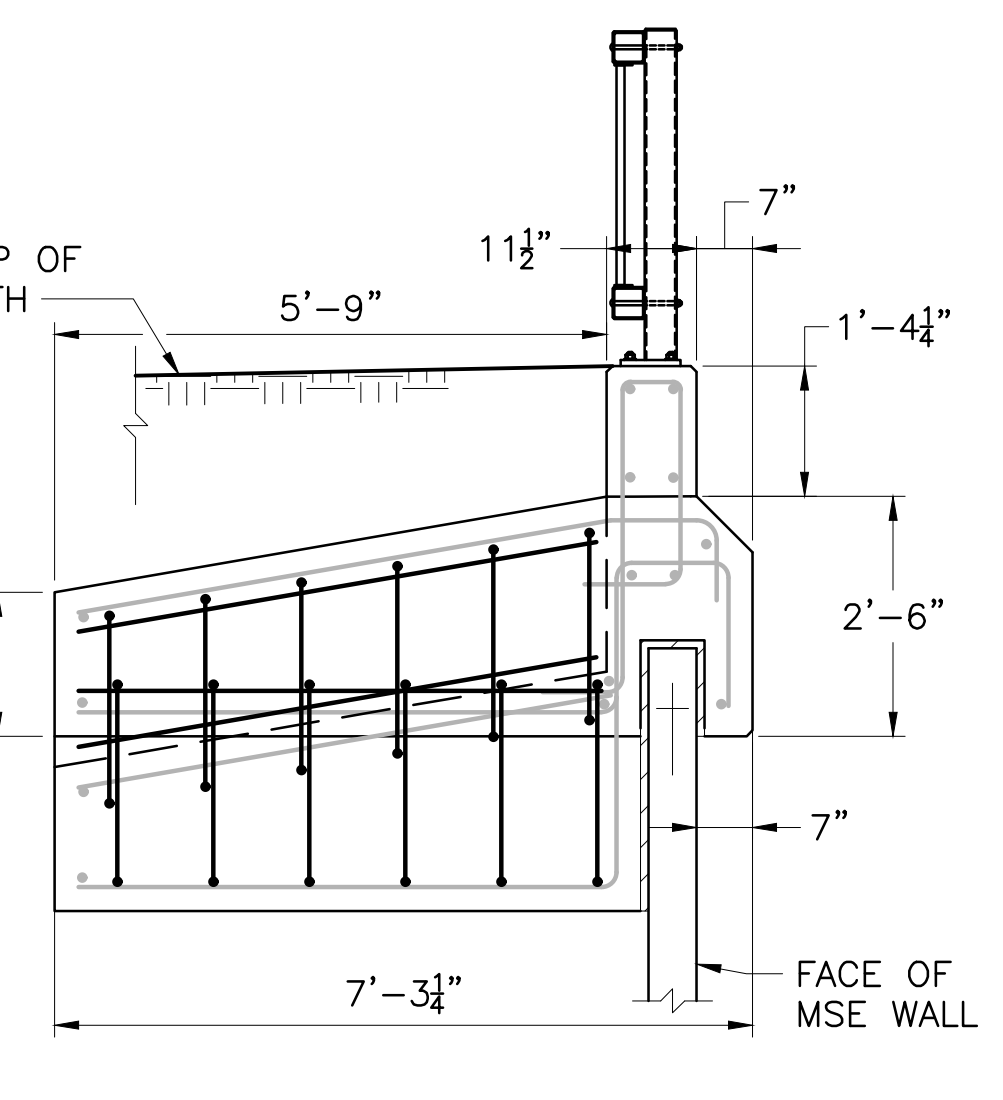
BARRIER AND MOMENT SLAB SECTION (AT APPROACH SLAB)
SCALE: 1/2"=1'-0"



SHARED USE PATH RAILING MOMENT SLAB SECTION (AT APPROACH SLAB)
SCALE: 1/2"=1'-0"



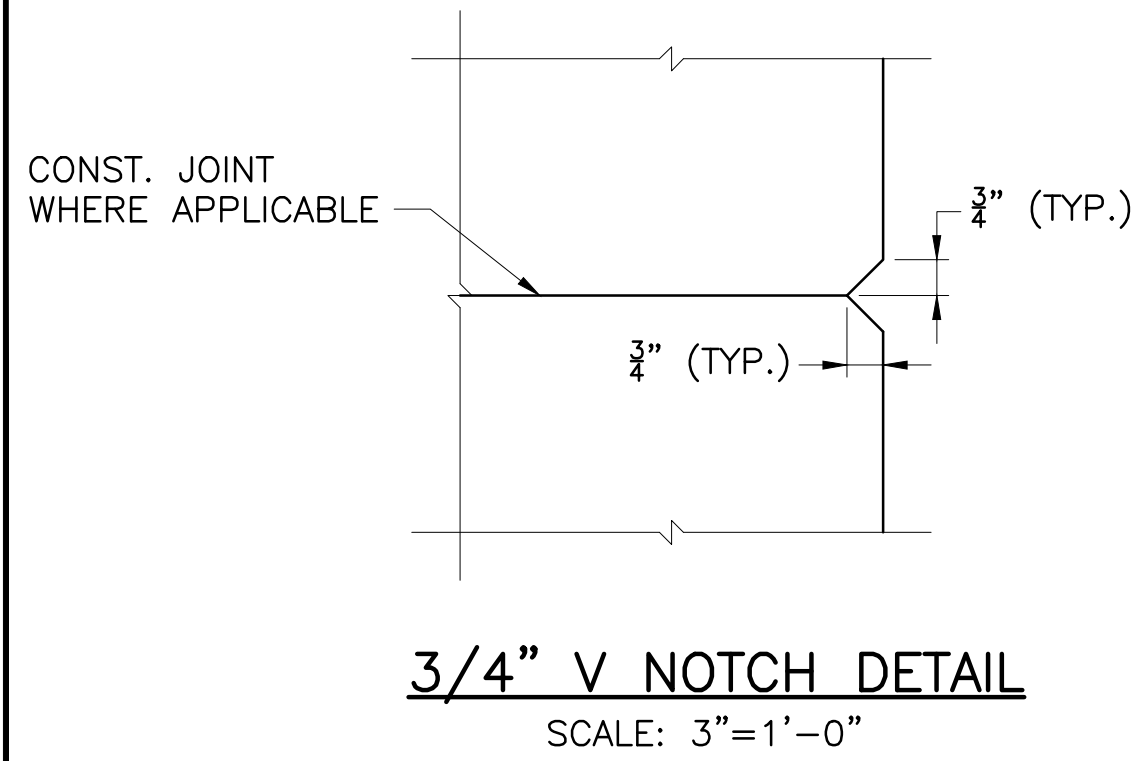
SHARED USE PATH RAILING MOMENT SLAB STEP DETAIL
SCALE: 1/2"=1'-0"



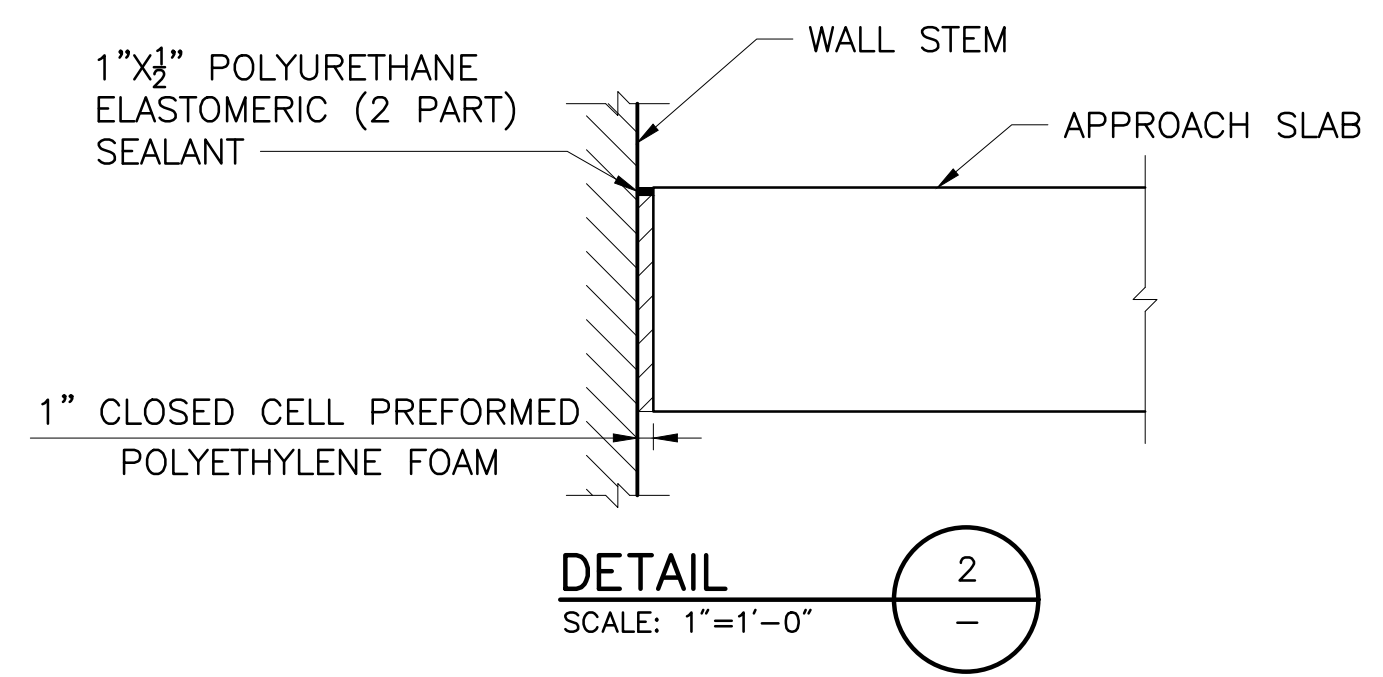
SHARED USE PATH RAILING MOMENT SLAB STEP SECTION
SCALE: 1/2"=1'-0"

NOTE

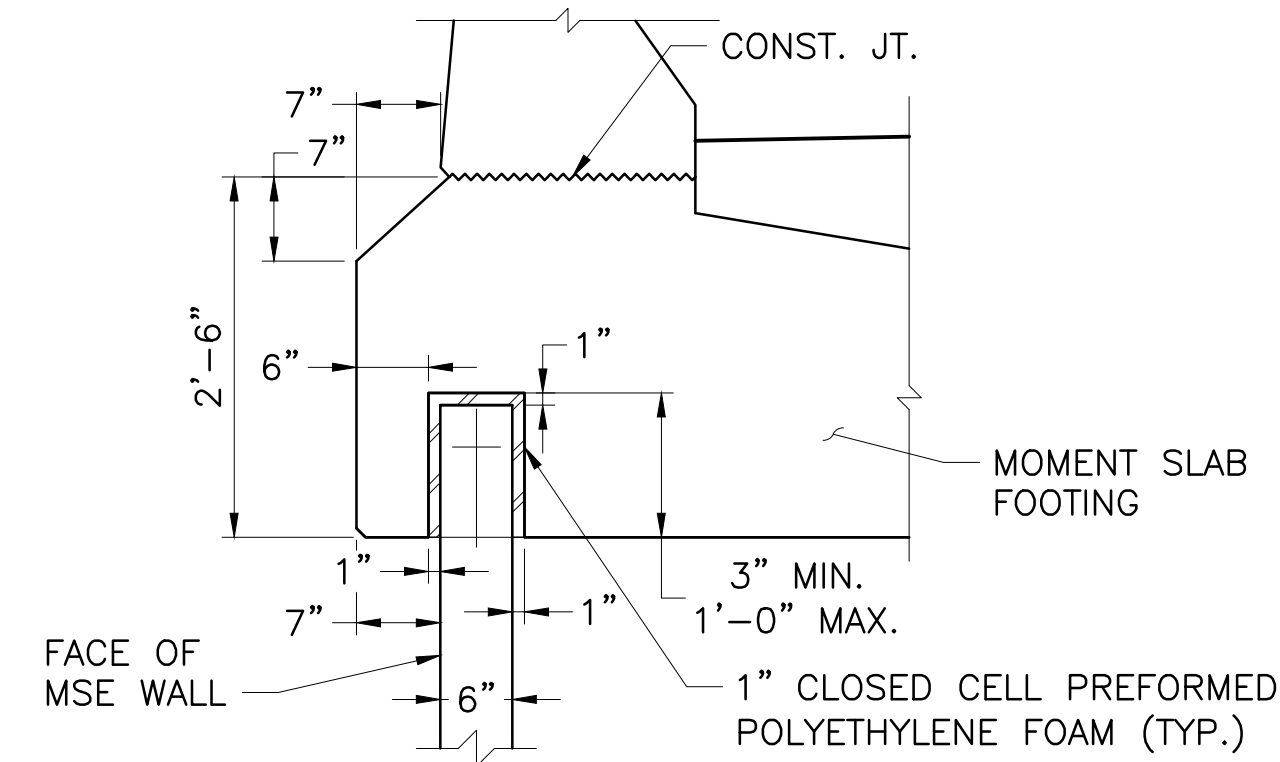
1. GEOTEXTILE WRAP NOT SHOWN. SEE NOTES ON RETAINING WALL DETAILS 2 SHEETS.



3/4" V NOTCH DETAIL
SCALE: 3"=1'-0"



DETAIL
SCALE: 1"=1'-0"



MOMENT SLAB AT MSE PANELS
SCALE: 3/4"=1'-0"

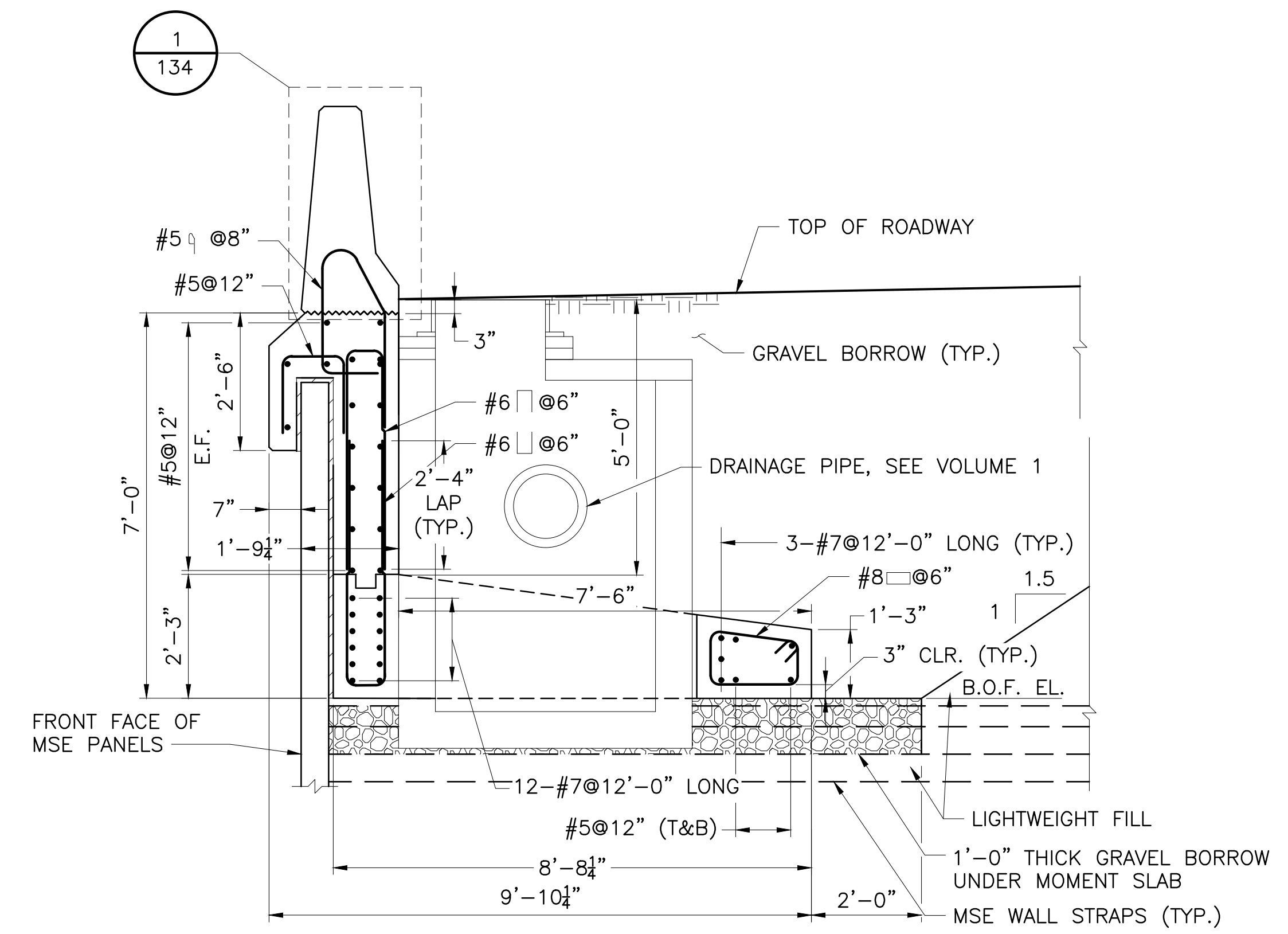
REVISIONS		
NO.	DATE	BY
1	4/17/20	VHB

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

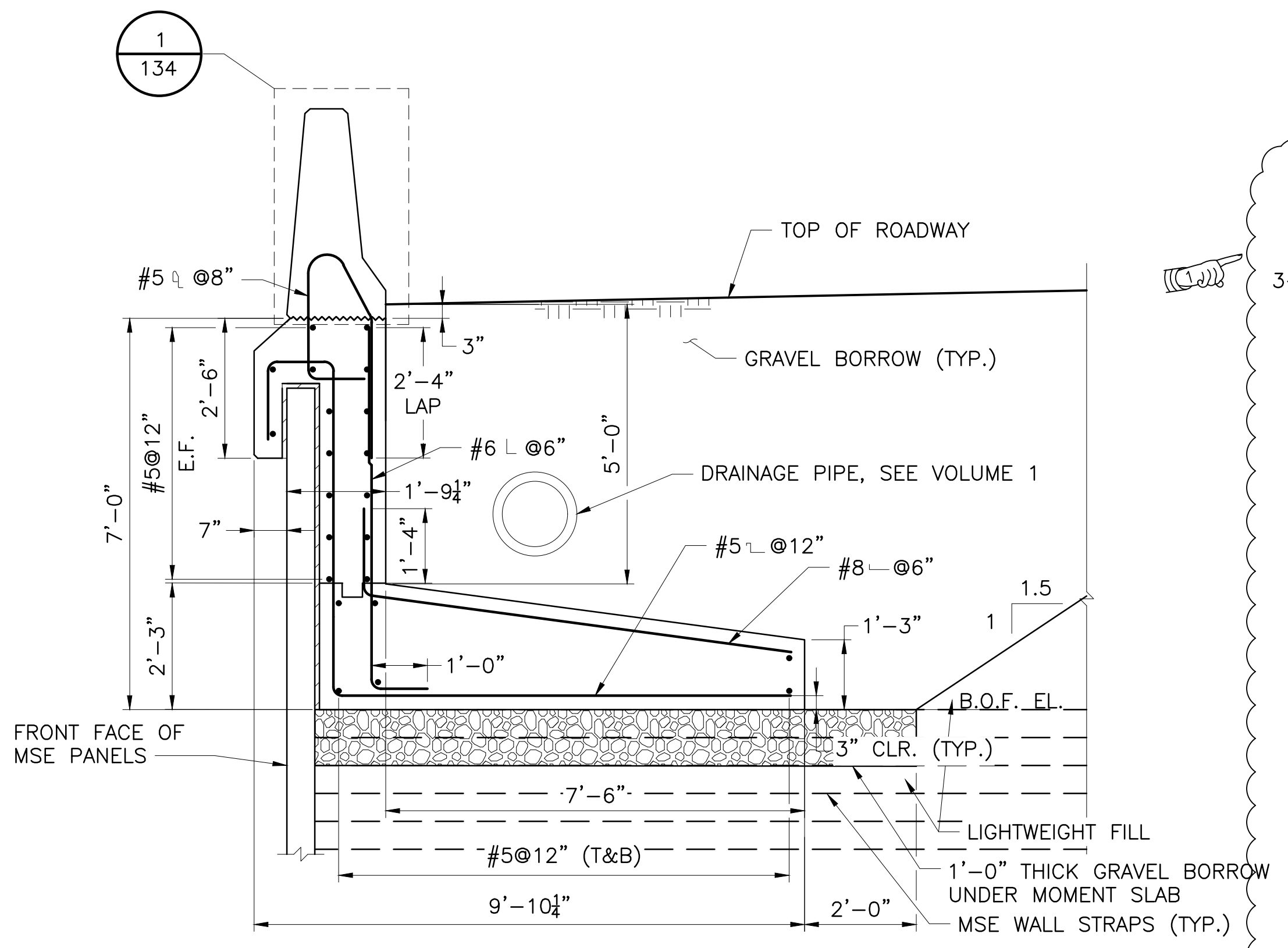
BRIDGE GROUP 49 - HENDERSON
RECONSTRUCTION OF
HENDERSON BRIDGE NO. 600
PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

**MOMENT SLAB
DETAILS 1**

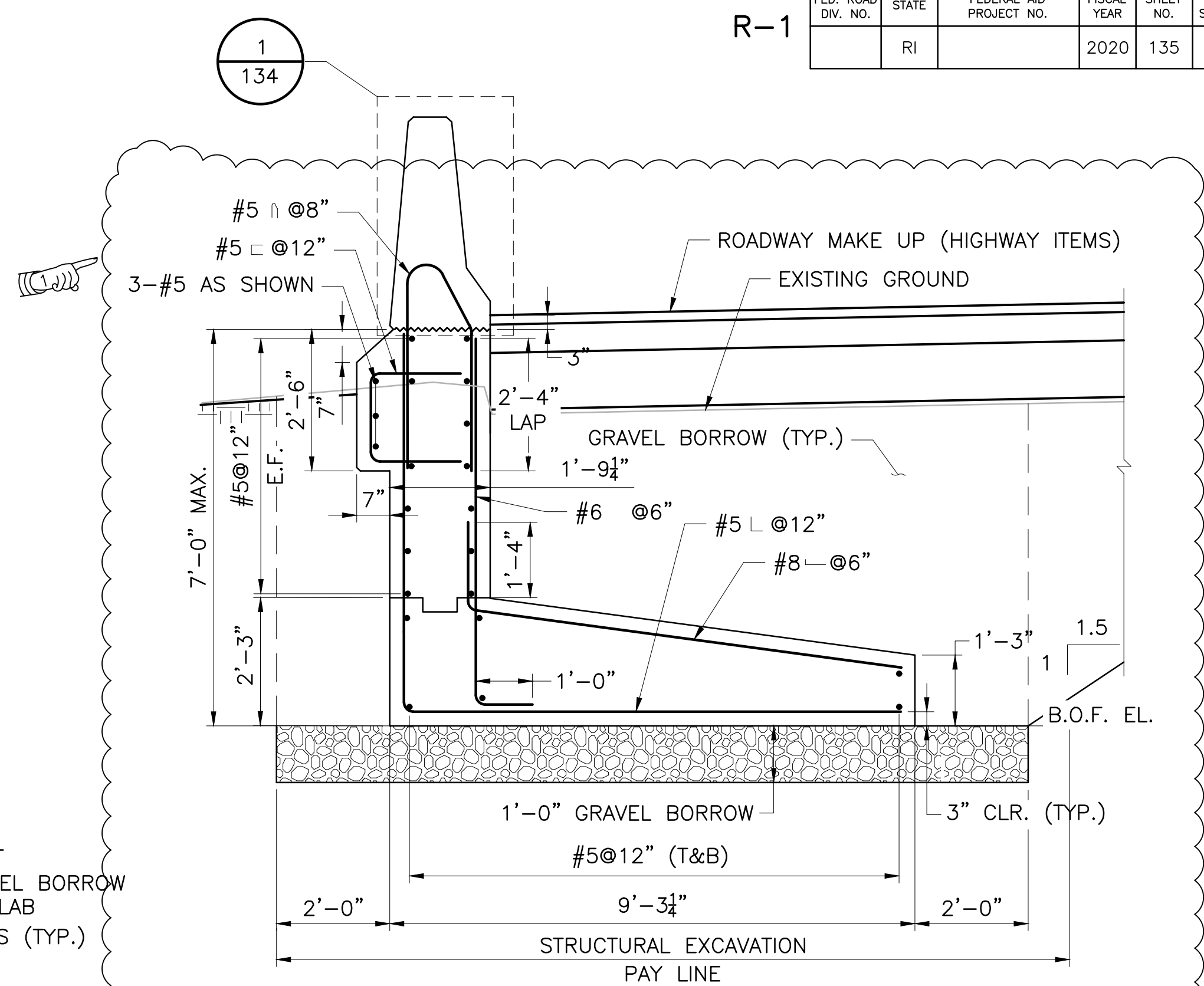
CHECKED BY _____ DATE _____ SCALE _____



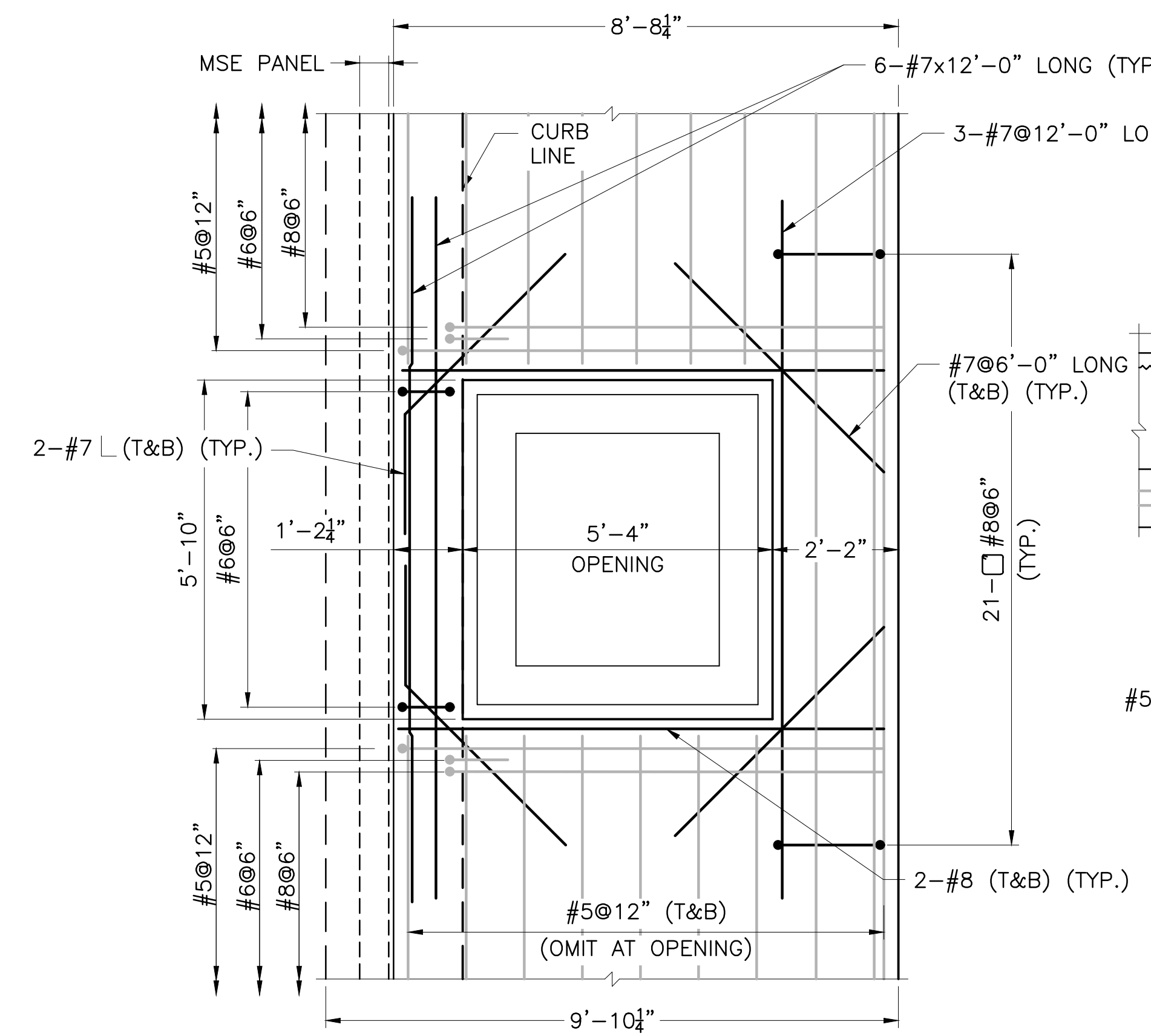
MOMENT SLAB AT NORTH BARRIER CATCH BASIN SECTION
 SCALE: 1/2"=1'-0"



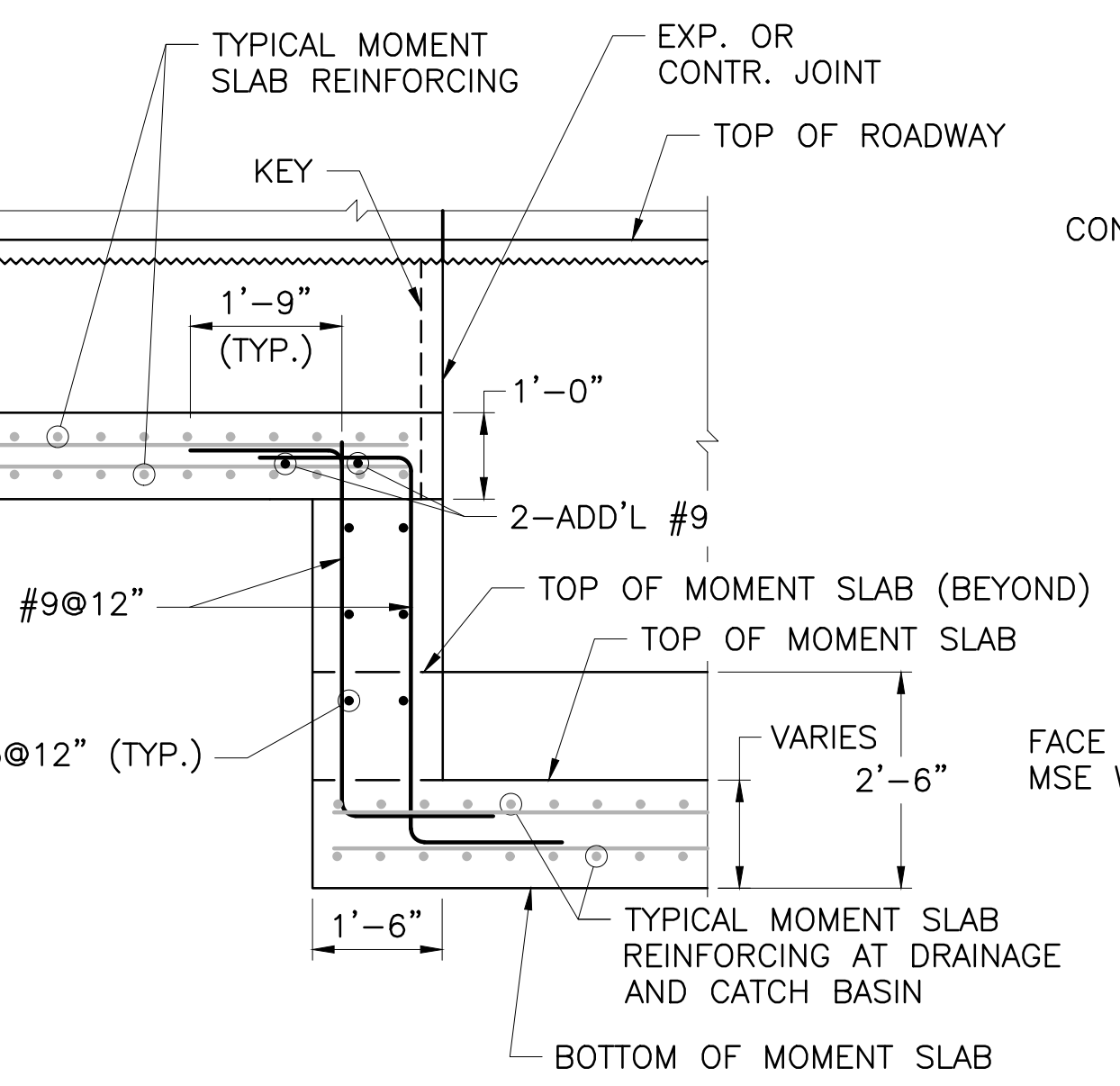
MOMENT SLAB AT NORTH BARRIER DRAINAGE SECTION
 SCALE: 1/2"=1'-0"



RETAINING WALL NO. 1 SECTION
 STA. 401+63.19 TO STA. 402+05.52
 SCALE: 1/2"=1'-0"



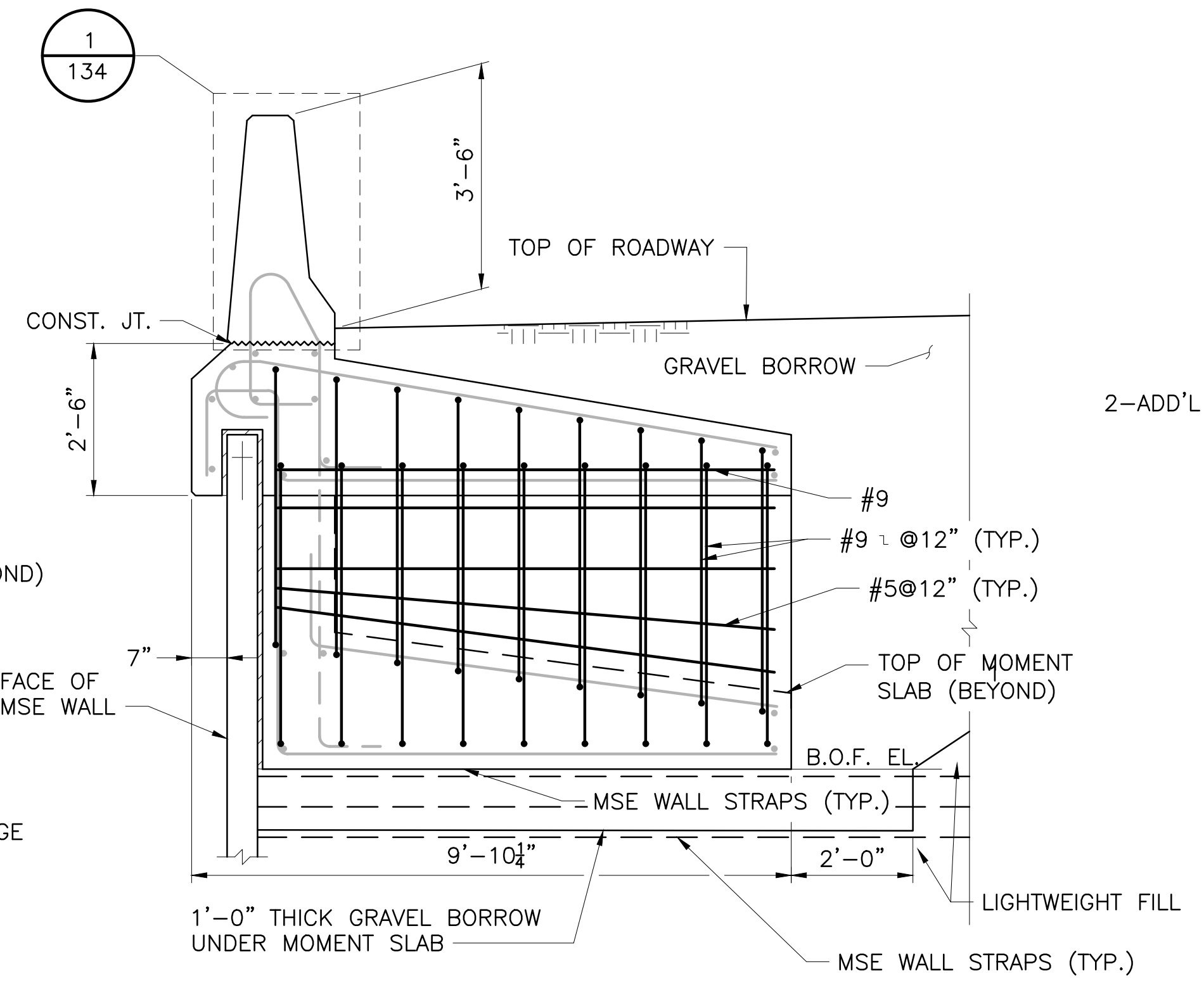
MOMENT SLAB AT CATCH BASIN PLAN
 SCALE: 1/2"=1'-0"



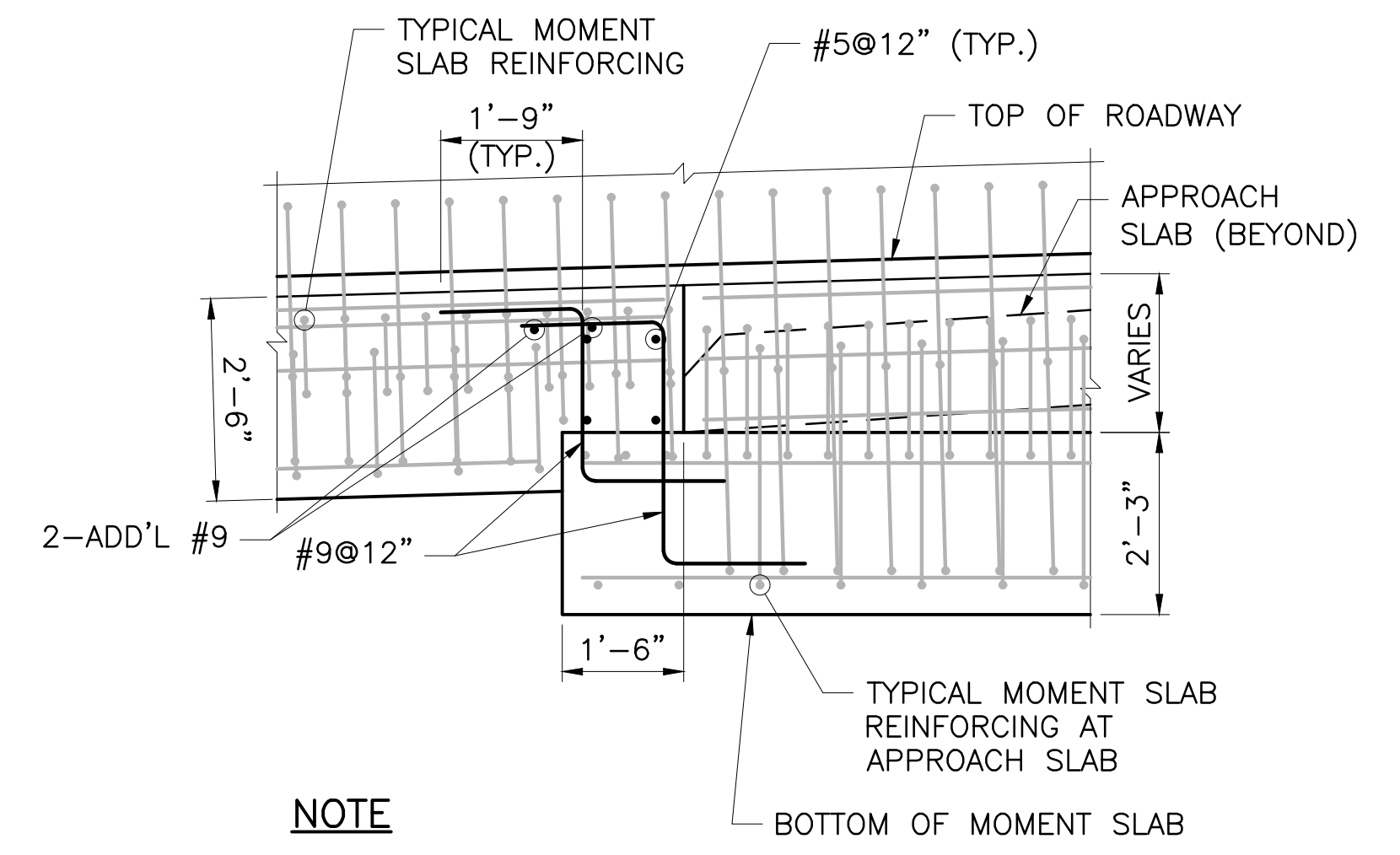
MOMENT SLAB STEP DETAIL
 SCALE: 1/2"=1'-0"

NOTE

1. FOR EXPANSION AND CONTRACTION JOINT DETAILS, SEE MISCELLANEOUS DETAILS SHEET.
2. GEOTEXTILE WRAP NOT SHOWN. SEE NOTES ON RETAINING WALL DETAILS 1 SHEET.



BARRIER AND MOMENT SLAB STEP SECTION
 SCALE: 1/2"=1'-0"



NOTE

S.U.P. MOMENT SLAB STEP DETAIL SIMILAR.

MOMENT SLAB STEP AT APPROACH SLAB DETAIL
 SCALE: 1/2"=1'-0"

REVISIONS		
NO.	DATE	BY
1	4/17/20	VHB

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 BRIDGE GROUP 49 - HENDERSON
 RECONSTRUCTION OF
 HENDERSON BRIDGE NO. 600
 PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

MOMENT SLAB DETAILS 2

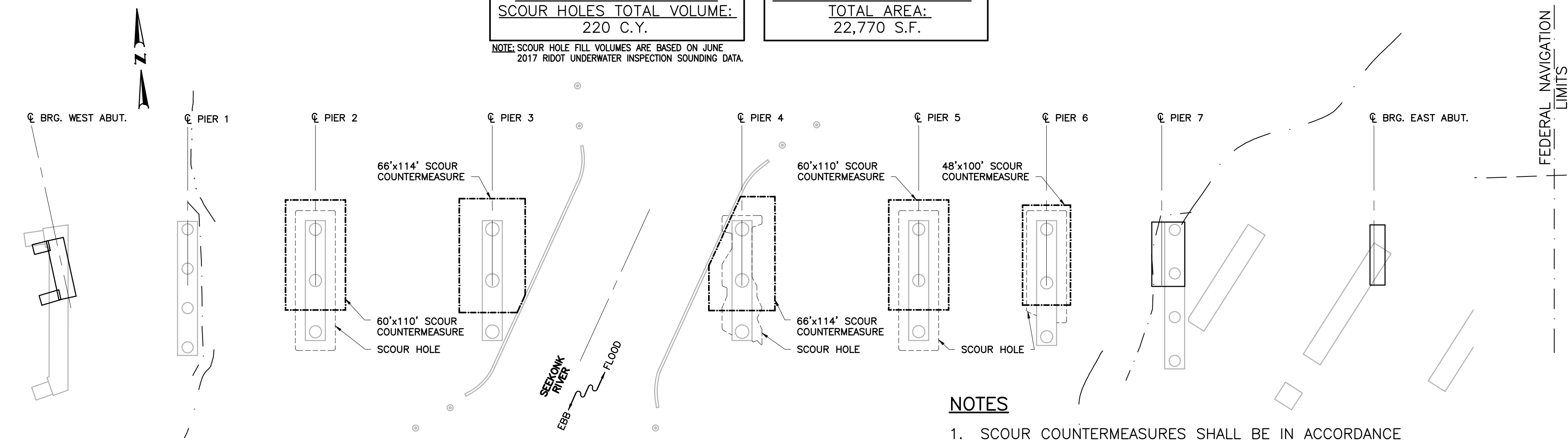
CHECKED BY _____ DATE _____ SCALE _____



ESTIMATED SUMMARY TABLES

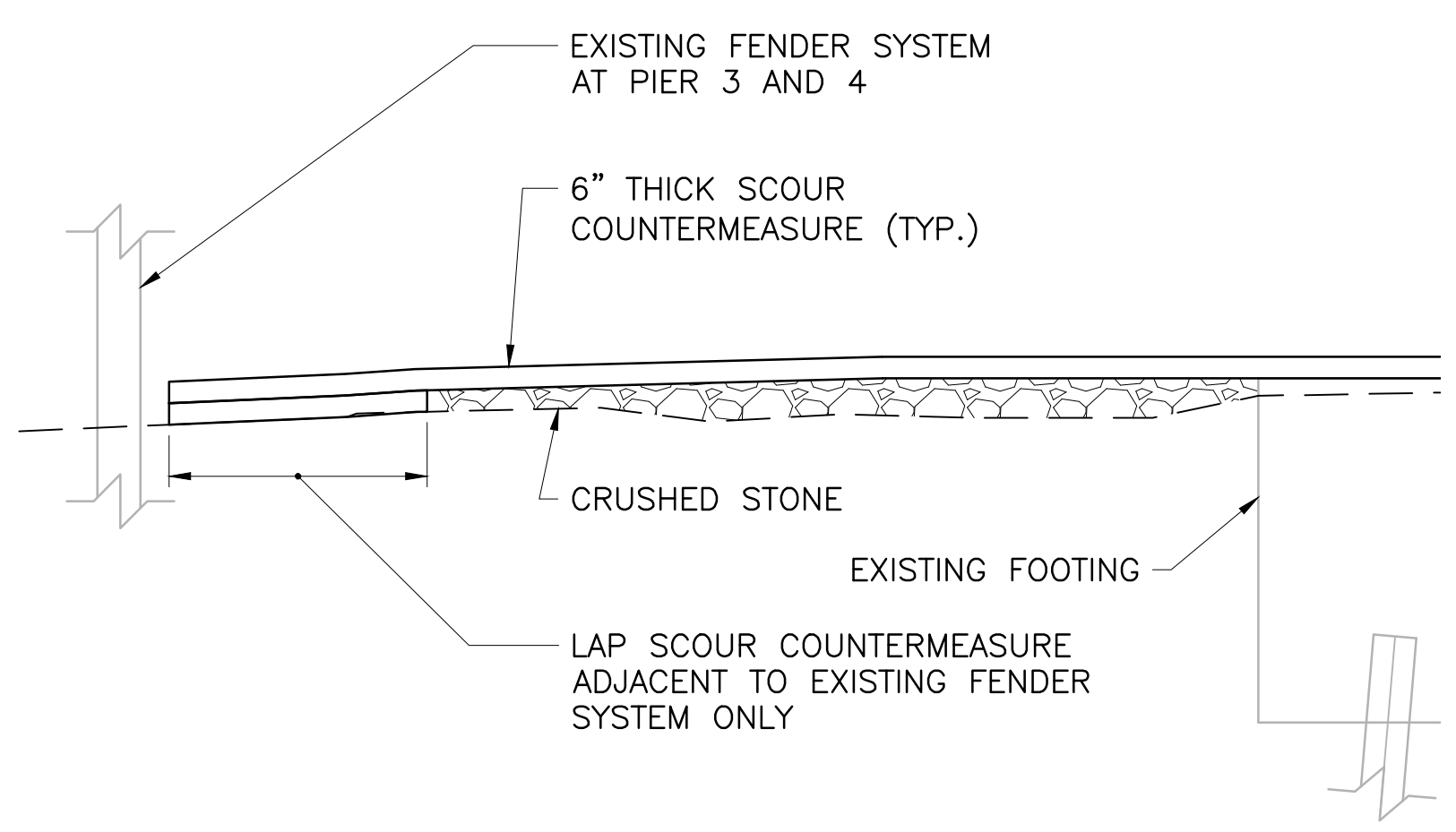
CRUSHED STONE FILL FOR SCOUR HOLES TOTAL VOLUME: 220 C.Y.	SCOUR COUNTERMEASURE TOTAL AREA: 22,770 S.F.
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NOTE: SCOUR HOLE FILL VOLUMES ARE BASED ON JUNE 2017 RIDOT UNDERWATER INSPECTION SOUNDING DATA.

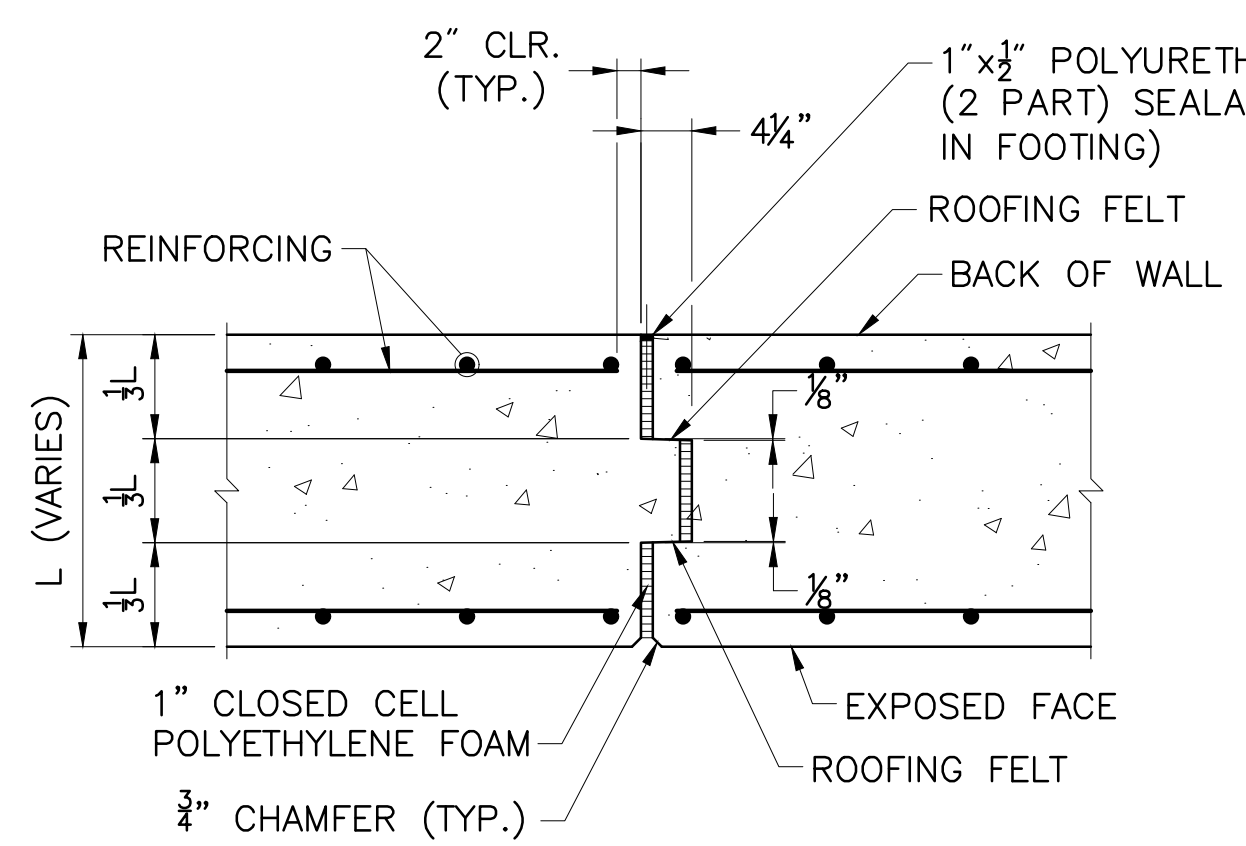


SCOUR COUNTERMEASURE PLAN
SCALE: 1"=80'

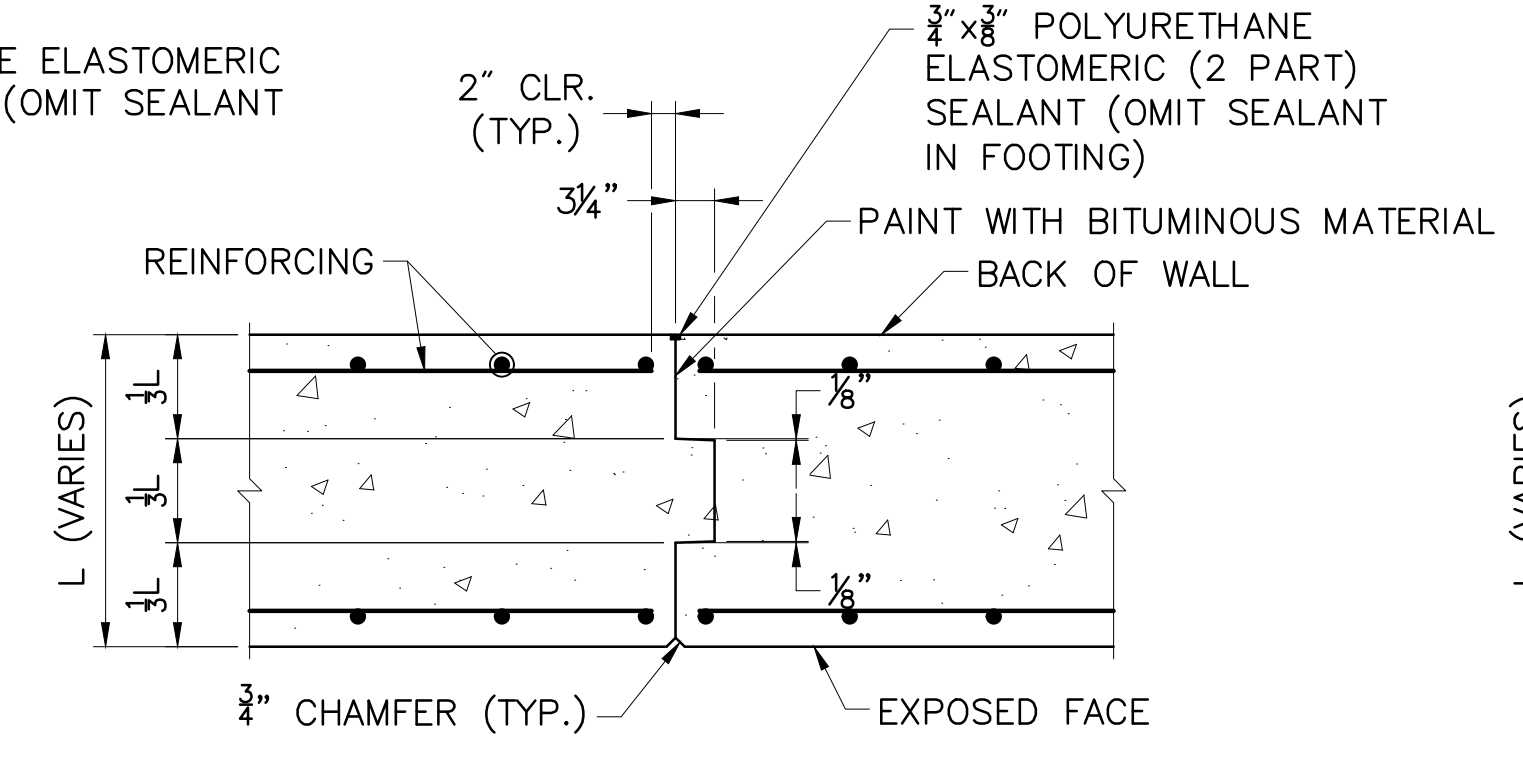
- NOTES**
- SCOUR COUNTERMEASURES SHALL BE IN ACCORDANCE WITH ITEM CODE 920.9901 "GEOTEXTILE MARINE SCOUR MATTRESS SYSTEM".
 - CRUSHED STONE UNDER SCOUR COUNTERMEASURES SHALL BE IN ACCORDANCE WITH ITEM CODE 301.9901 "CRUSHED STONE FILL FOR SCOUR HOLES".



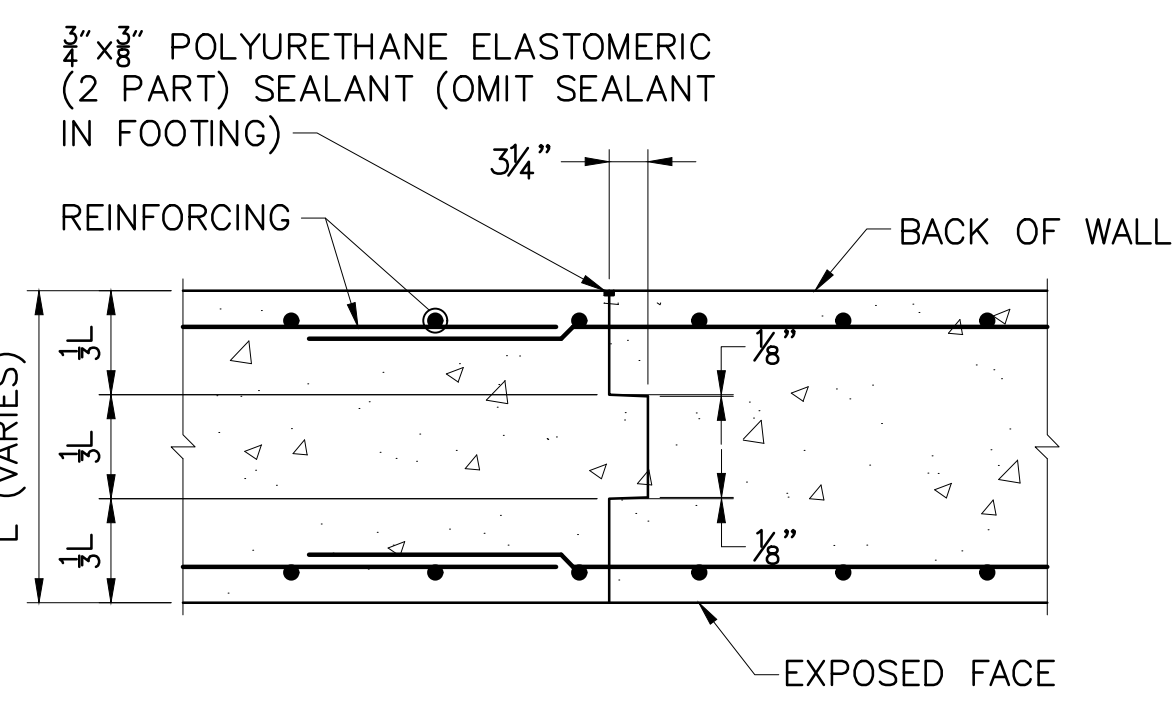
SCOUR HOLE FILL DETAIL
SCALE: 1"=4'



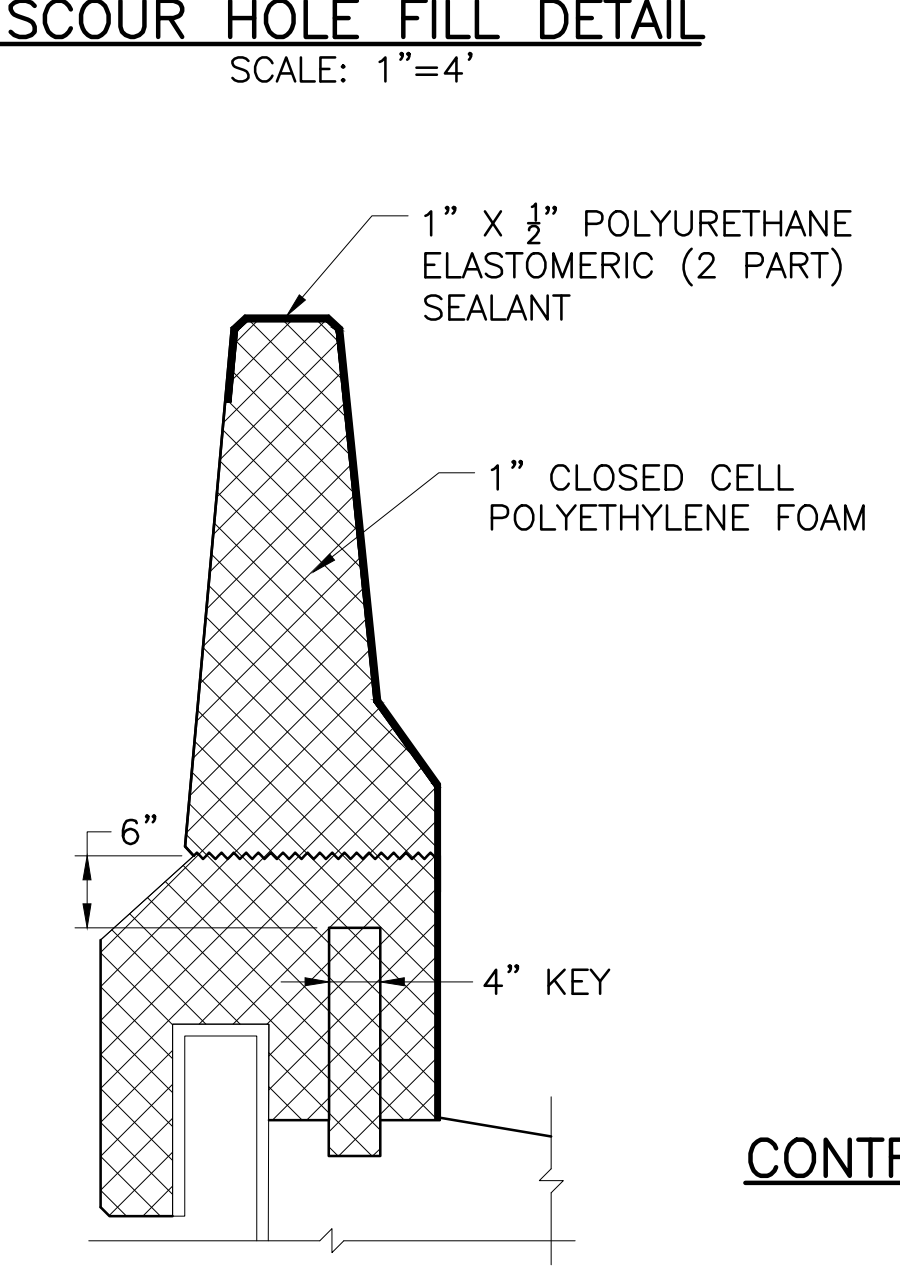
EXPANSION JOINT IN WALLS
SCALE: 3/4"=1'-0"



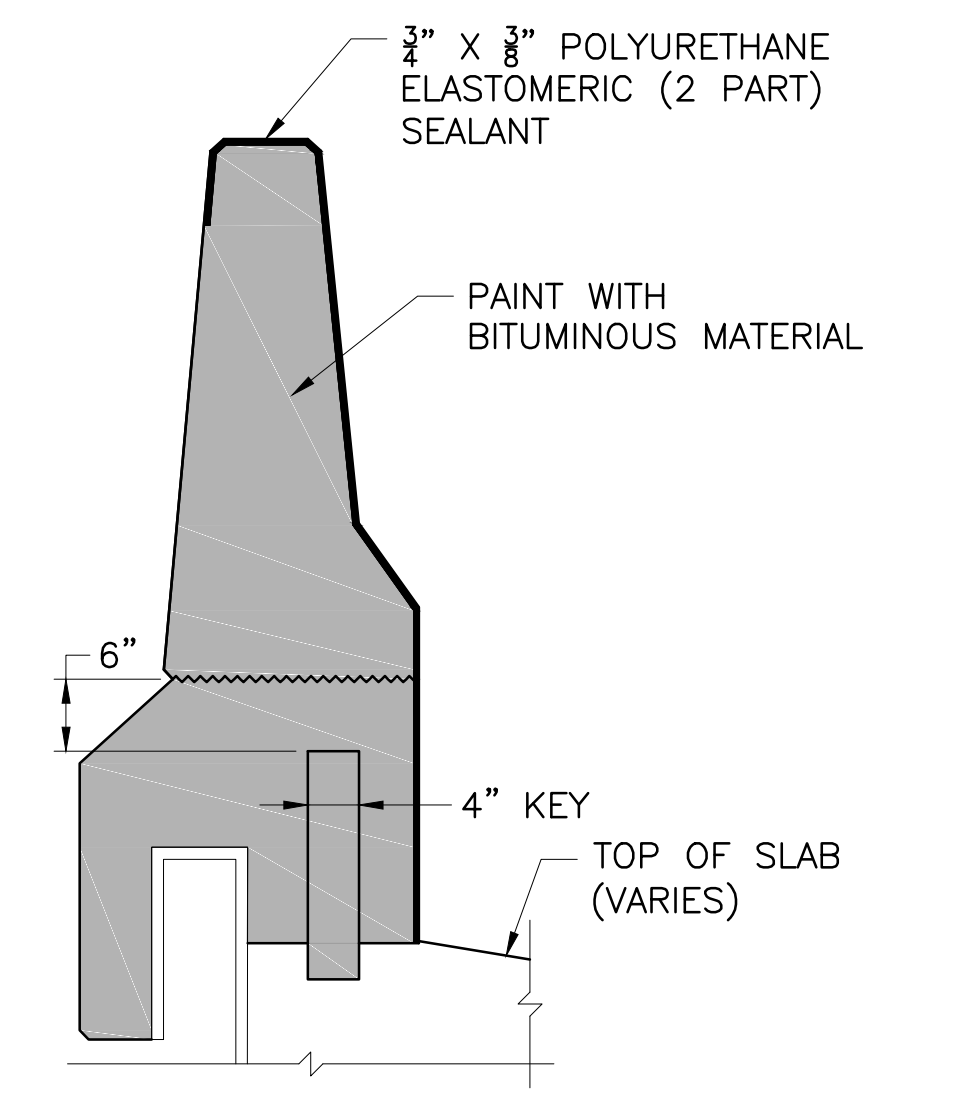
CONTRACTION JOINT IN WALLS
SCALE: 3/4"=1'-0"



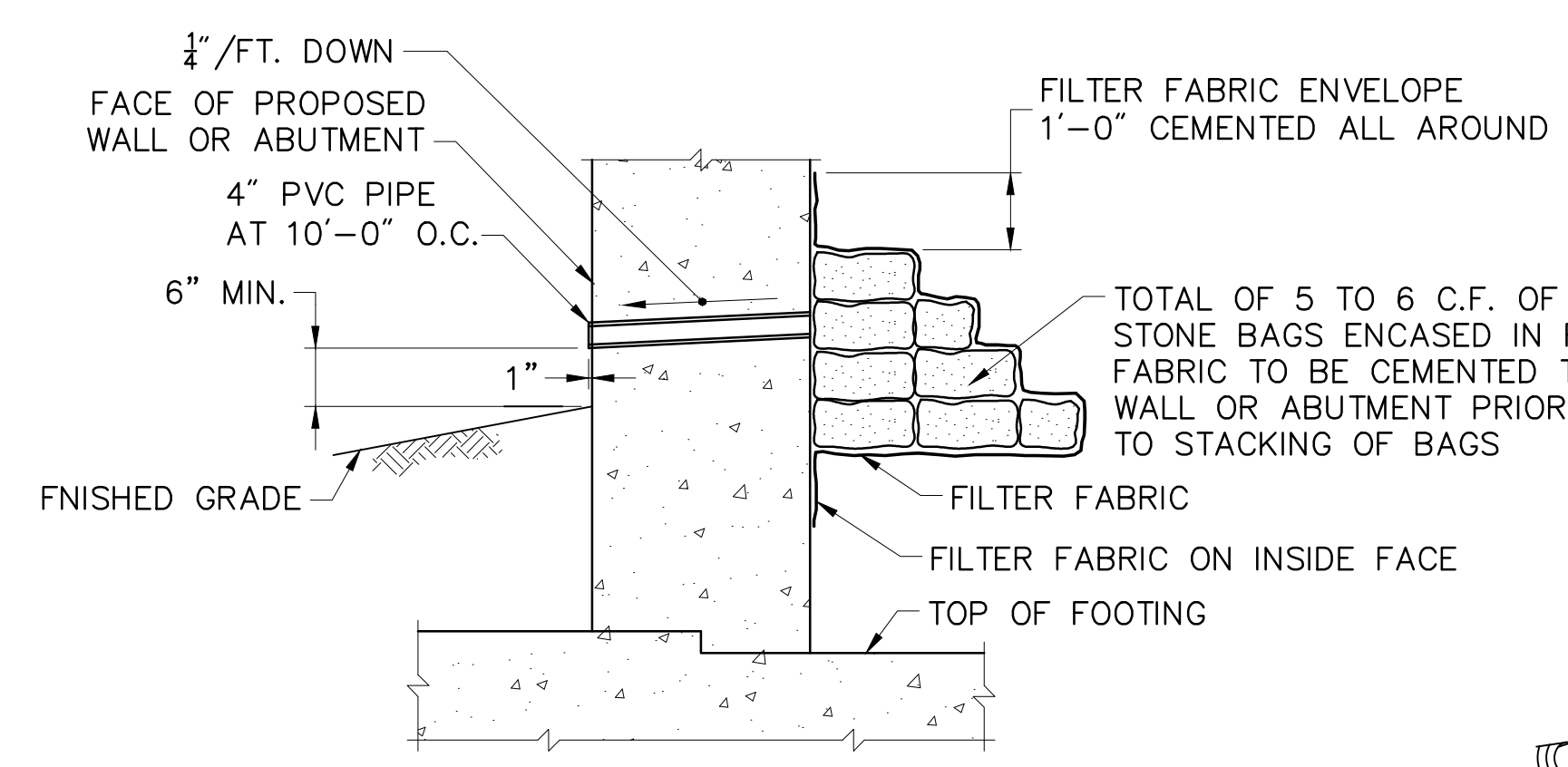
CONSTRUCTION JOINT IN WALLS AND ABUTMENT
SCALE: 3/4"=1'-0"



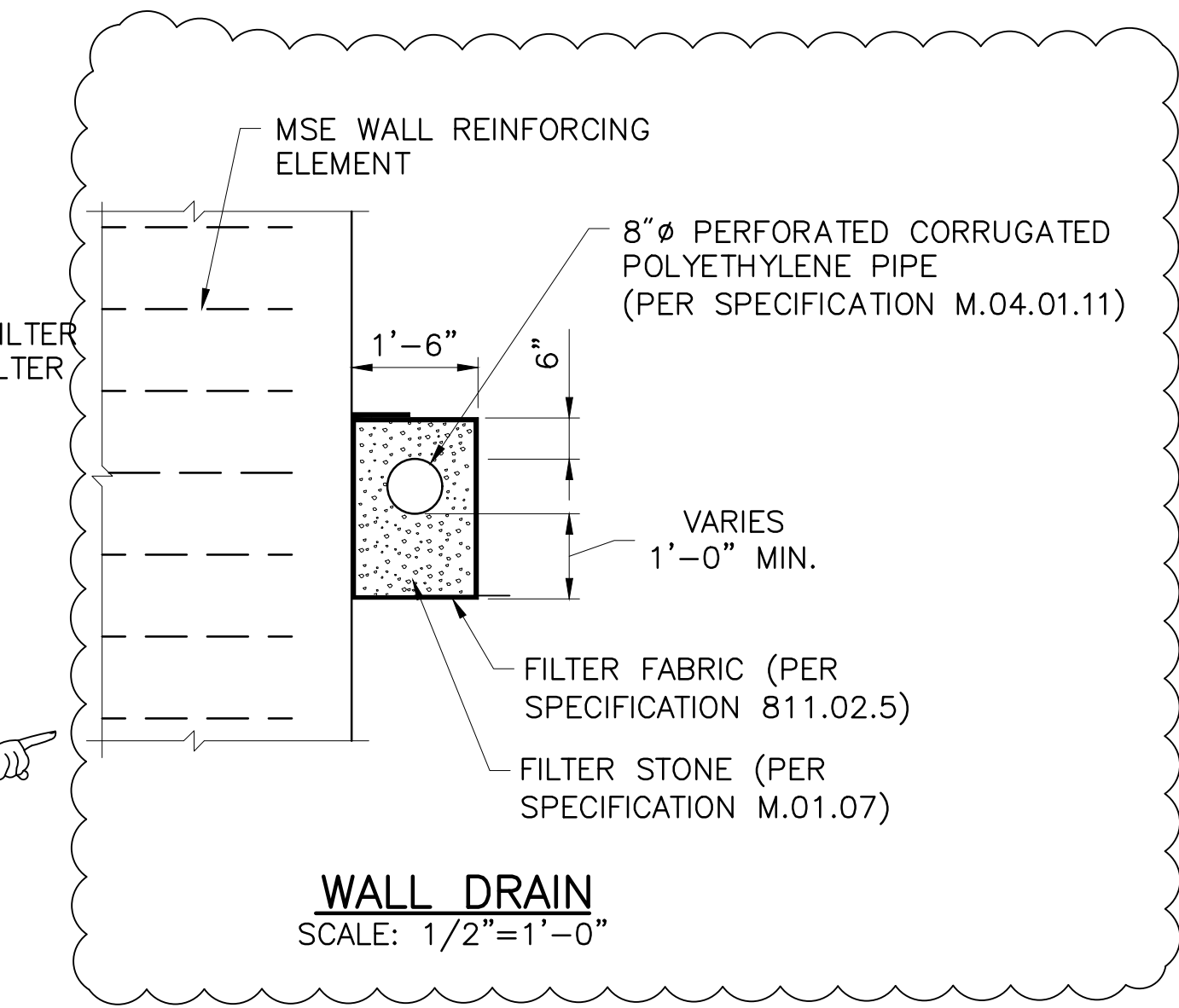
EXPANSION JOINT DETAIL AT NORTH BARRIER
SCALE: 3/4"=1'-0"



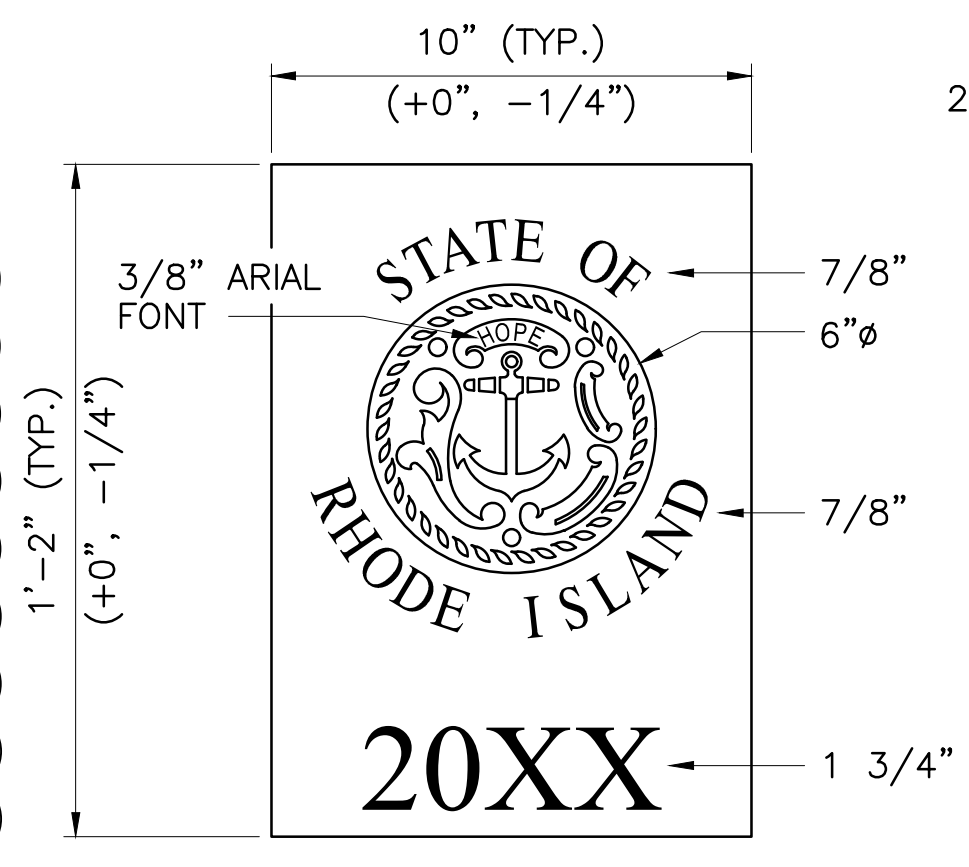
CONTRACTION JOINT DETAIL AT NORTH BARRIER
SCALE: 3/4"=1'-0"



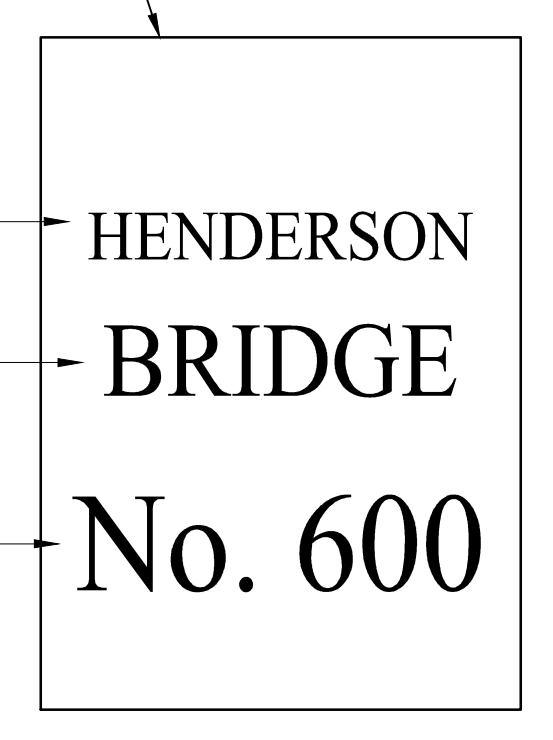
WEEP DRAIN DETAIL
NOT TO SCALE



WALL DRAIN
SCALE: 1/2"=1'-0"



STATE SEAL TABLET



BRIDGE NAME TABLET

GRANITE IDENTIFICATION TABLETS (NAME PLATES)
SCALE: 3"=1'-0"

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
1	4/17/20	VHB	BRIDGE GROUP 49 - HENDERSON RECONSTRUCTION OF HENDERSON BRIDGE NO. 600 PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND	
			MISCELLANEOUS DETAILS	
			CHECKED BY	DATE
			SCALE	

