

September 17, 2014

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION  
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7548970

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2014-CI-075

FEDERAL-AID PROJECT NO. FAP Nos: RI-04-0007, RI-05-0103, RI-55-0001

**Providence Station Enhancements**

GASPEE STREET, RAILROAD STREET, PARK ROW WEST - PROVIDENCE, RI

CITY/TOWN OF Providence

COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 2 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. Contract Documents**

1. Page CS-1

Delete page CS-1 in its entirety and insert the revised page CS-1 (R-1) attached to this ADDENDUM NO. 2. The reference to the appendix for the City of Providence Technical Specifications has changed.

**B. Specification Change/Addition**

1. Page JS-18

Delete page JS-18 in its entirety and insert the revised page JS-18 (R-1) attached to this ADDENDUM NO.2. The description has been revised.

2. Page JS-22

Delete page JS-22 in its entirety and insert the revised page JS-22 (R-1) attached to this ADDENDUM NO. 2. Item codes 201.9920 and 201.9923 have been removed from this contract.

3. Page JS-24 and Page JS-25

Delete pages JS-24 and JS-25 in their entirety and insert the revised pages JS-24 (R-1) and JS-25 (R-1) attached to this ADDENDUM NO.2. The specification has been updated to include pump capacity.

4. Pages JS-77 to JS-80

Delete pages JS-77, JS-78, JS-79, and JS-80 in their entirety and insert the revised pages JS-77 (R-1), JS-78 (R-1), JS-79 (R-1) and JS-80 (R-1) attached to this ADDENDUM NO.2. Color selection has been added to the specification.

5. Page JS-141

Delete page JS-141 and insert the revised page JS-141 (R-1) attached to this ADDENDUM NO.2. The specification for L15.9910 - Bollard with Chain has been revised.

**C. Drawings/Plans - Change/Addition**

1. Site Preparation Plan No. 1

Delete Site Preparation Plan No. 1 and insert the revised Site Preparation Plan No. 1 (R-1) attached to this ADDENDUM NO.2. Bollards with chains adjacent to the Gaspee Street widening are now called out to be removed and disposed.

2. Detail Sheet No. 3

Delete Detail Sheet No. 3 and insert the revised Detail Sheet No. 3 (R-1) attached to this ADDENDUM NO.2. Steel Bollard with Chain detail has been added.

3. Detail Sheet No. 4

Delete Detail Sheet No. 4 and insert the revised Detail Sheet No. 5 (R-1) attached to this ADDENDUM NO.2. Picket spacing has been added to the details for Ornamental Steel Fence - 24" High and 42" High.

**D. Distribution of Quantities**

1. Index Page 1

Delete Index Page 1 in its entirety and insert the revised Index Page 1 (R-1) attached to this ADDENDUM NO.2. Items 201.9901 and 201.9915 quantities have changed. Items 201.9920 and 201.9923 have been deleted.

2. Index Page 4

Delete Index Page 4 in its entirety and insert the revised Index Page 4 (R-1) attached to this ADDENDUM NO. 2. The quantity for item L15.9901 has been revised.

3. Page 8


Delete Page 8 in its entirety and insert the revised Page 8 (R-1) and new page 8a attached to this ADDENDUM NO.2. The quantity for item 201.9901 has been revised.

4. Pages 12 and 13

Delete Pages 12 and 13 in their entirety and insert the revised Pages 12 (R-1) and 13 (R-1) attached to this ADDENDUM NO. 2. The quantities for item 201.9915 have been revised. Items 201.9920 and 201.9923 have been removed from the contract.

5. Pages 47 and 48

Delete Pages 47 and 48 in their entirety and insert the revised Pages 47 (R-1) and 48 (R-1) attached to this ADDENDUM NO. 2. Quantities for item L15.9910 have been revised.

  
RI Department of Transportation  
Chief Engineer

## 1. BRIEF SCOPE OF WORK

RI Contract No. 2014-CI-075, RI Federal Aid Project No. RI-05-0103, RI-55-0001, RI-04-0007 is for the Providence Station Surface Improvements Project Contract 1 in the City of Providence, County of Providence, State of Rhode Island. The project will reconstruct the Station South Plaza and its surrounding roadways, Park Row West and Railroad Street, which are directly on top of the Metropark LTD Train Station Parking Garage structure. The project will construct temporary access to the Parking Garage lower level on the adjacent parcel A.P. 4 Lot 263 and remove said access at the conclusion of work impacting access into the garage. The project will also widen a portion of Gaspee Street between Francis Street and the Providence Amtrak Station to provide a taxi bay. All work under this contract is to be as shown on the Plans entitled “Providence Station Surface Improvements Project Contract 1” and per the project specifications.

The work includes, but is not limited to, erosion control, site preparation, selective demolition, sawcutting, removal of flexible pavement and sidewalks, excavation and embankment, trimming and fine grading, construction of gravel borrow subbase, hot mix asphalt pavement, integrally colored and stamped or scored cement concrete, concrete sidewalk, granite curbing, minor modifications to the drainage system, hydrants, garage roof structural concrete repairs, control/cove joint repairs, concrete stair repairs, expansion joint concrete repair and gland replacement, garage roof waterproofing membrane system, extruded polystyrene foam, acrylic waterproof coating system, yard drains, hubless cast iron pipe, painting existing railings, granite landscape planter walls, granite wall facing, granite wall caps, granite transition piers, granite compass rose, wall mounted ornamental steel fence, steel stair handrails, lightweight planting medium, landscaping, loaming, seeding, irrigation system, removable planters, bollards, trash receptacles, ash urn, benches, bike racks, bike shelter, RIPTA R-line bus shelter, wayfinding totem, decorative lighting systems, signs, pavement markings, imprint crosswalks, temporary chain link fence, temporary construction signs, field office, mobilization, dust control, flagpersons, maintenance and protection of traffic, and all other incidentals complete and accepted by the Engineer.

## 2. SPECIFICATIONS TO GOVERN

Specifications to govern this project are the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, with all revisions, all Compilations of Approved Specifications, the City of Providence “Technical Specifications” (contained in **Appendix “G”**), and the Special Provisions – Contract Specific. The Standard Details for this project are the Rhode Island Standard Details, 1998 Edition, with all revisions. All traffic control devices and signage are to be in accordance with the U.S. Department of Transportation Federal Highway Administration Manual on Uniform Traffic Control Devices (MUTCD), 2009 Edition, with all revisions.

Where conflicts arise between the Contract Documents, State and City Specifications, and Code requirements (building, electric, plumbing), the more stringent requirement shall be followed.

**JOB SPECIFIC**

**CODE 201.9915**

**REMOVE AND DISPOSE EXTRUDED POLYSTYRENE FOAM**

**DESCRIPTION:** This work shall consist of removing, loading, hauling and disposing at an approved facility the existing extruded polystyrene (EPS) foam fill from the South Plaza as indicated the Plans or as directed by the Engineer, all in accordance with these Specifications and Section 201 of the and Section 201 of the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, with all revisions.

**MATERIALS:** Not applicable.

**CONSTRUCTION METHODS:** After removing the Portland cement concrete pavements in the South Plaza, carefully remove and dispose the EPS foam while minimizing the impact to the Station Garage roof and surrounding areas. EPS foam shall be bagged prior to loading into the transport vehicle in order to prevent from becoming windblown during handling, hauling and disposal operations. Handle, haul, and dispose as solid waste the EPS foam at an Engineer approved facility.

**METHOD OF MEASUREMENT:** “Remove and Dispose Extruded Polystyrene Foam” will be measured for payment by the number of “Pounds” of such EPS foam actually removed and disposed in accordance with this specification, the Plans and/or as directed by the Engineer.

**BASIS OF PAYMENT:** The accepted quantity of “Remove and Dispose Extruded Polystyrene Foam” will be paid for at the contract unit price per “Pounds” as listed in the Proposal. The price so-stated shall constitute full and complete compensation for all labor, materials and equipment, including removal, bagging, handling, hauling, disposal fees, and all other incidentals required to finish the work.

**END OF SECTION**

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**JOB SPECIFIC****CODE 203.9901****DEWATERING**

**DESCRIPTION:** Standard catch basins and a connecting drainage pipe culvert will be constructed to collect surface runoff at the low point of the temporary access road. The Contractor shall provide dewatering as necessary of catch basin sumps along the temporary access road as shown on the plans. The work will include providing, installing, operating, maintaining, pumping, and releasing collected runoff and subsequently removing temporary dewatering systems that shall perform the following functions:

1. Divert surface water away from the temporary access road profile low point, the lower level of the parking garage and the railroad tracks.
2. Provide sedimentation control to reduce total suspended solids in effluent removed from the catch basin sumps prior to discharge.

The work under this item shall be in accordance with Section 203 of the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, with all revisions except as modified herein.

**SUBMITTALS:**

The Contractor shall submit the following information:

- A. The shop drawings shall include the arrangements, sizes and capacities, a complete description of equipment and materials to be used and the procedure to be followed in installation, operation, maintenance and removal in relation to the proposed sequence of excavation, the standby equipment and standby power supply, the design and details of the on-site sedimentation/dewatering basin and associated piping, and a schedule for cleaning and maintenance of all systems, basins and structures.
- B. Prior to any discharge of dewatering effluent, the Contractor shall provide a one-week advance notice to the Engineer.

**EXECUTION, DESIGN, AND PERFORMANCE CRITERIA:**

- A. The Contractor shall provide, install, maintain, and operate pumps, and related equipment of sufficient capacity to adequately dewater the catch basin sumps and a sedimentation/dewatering basin to capture, remove, and dispose of suspended solids until the temporary access road is removed and is no longer impacted, as approved by the Engineer.
- B. The dewatering system shall be operational immediately following completion of the temporary access road catch basins. The system shall remain in place until the catch basins and temporary access road are removed.
- C. The methods of controlling water are the option of the Contractor who shall be solely responsible for the design, operation, performance, location, arrangement, and depth of any system or systems selected to accomplish the work. Equipment shall be of suitable size, capacity and type to perform dewatering and to maintain dry and stable working surfaces, and to pump, store, manage, treat and

discharge the dewatering effluent. The Contractor shall provide pump(s) of sufficient size and capacity to remove collected runoff anticipated from a 2-year storm (approximately 635 gallons per minute) to a 10-year storm (approximately 1,025 gallons per minute).

- D. The Contractor shall maintain continuous and complete effectiveness of dewatering systems and surface water control 24 hours per day, 7 days per week at all times until the access roadway is removed. The Contractor shall maintain site grades to direct surface runoff to the catch basins and shall prevent surface water from running or collecting over the temporary access roadway, parking garage or above the rim elevation of the catch basins. The Contractor shall collect and discharge surface water, seepage, precipitation, groundwater and other water that enters work areas being dewatered. No standing water shall be allowed to accumulate in excavations or work areas being dewatered. The Contractor shall remove accumulated sediment from the sedimentation/dewatering basin as directed by the Engineer throughout the course of the project.
- E. The Contractor shall modify the system(s) at no additional cost to the State if, after installation and while in operation, it causes or threatens to cause damage to properties, buildings or structures, utilities, and all other existing or newly constructed work, or otherwise does not perform as required. The Contractor shall inform the Engineer in writing of any changes in the dewatering system that the Contractor wishes to make to accommodate field conditions prior to making the changes.
- F. The Contractor shall maintain and employ adequate back-up equipment, dewatering system components, and power in the case of equipment breakdown. The Contractor shall devise emergency procedures for maintaining continuous, uninterrupted dewatering operations as needed. The Contractor shall regularly check the back-up equipment for proper operation at the start of the work and every week thereafter.
- G. The Contractor shall remove and backfill dewatering elements when they are no longer required, using methods acceptable to the Engineer. The Contractor shall backfill any voids resulting from dewatering system removal with stockpiled material as directed by the Engineer to prevent potential loss of ground.

**METHOD OF MEASUREMENT:** “Dewatering” will be measured by the number of calendar months said dewatering system is used to prevent flooding under the Contract.

**SECTION 203.9901.05 BASIS OF PAYMENT:** “Dewatering” will be paid for at the contract unit price per month as listed in the Proposal. The price so-stated constitute full and complete compensation for furnishing, maintaining and subsequently removing the dewatering system, together with all associated costs of pumps, fuel, equipment and peripherals and supplies, including all costs associated with providing back-up equipment, and all other incidentals required to provide this service, complete and accepted by the Engineer.

**END OF SECTION**

**JOB SPECIFIC**

**CODE 905.9901**

**INTEGRALLY COLORED AND STAMPED CONCRETE SIDEWALK**

**CODE 905.9902**

**INTEGRALLY COLORED & 12 INCH GRID SCORED PORTLAND CEMENT CONCRETE  
SIDEWALK**

**CODE 905.9903**

**INTEGRALLY COLORED & 15 INCH GRID SCORED PORTLAND CEMENT CONCRETE  
SIDEWALK**

**CODE 905.9904**

**INTEGRALLY COLORED & 24 INCH GRID SCORED PORTLAND CEMENT CONCRETE  
SIDEWALK**

**DESCRIPTION:** This work shall consist of the installation of integrally colored and stamped or scored, Portland cement concrete pavement for sidewalks in the Station South Plaza, Railroad Street, and Park Row West, which are within the limits of the Providence Station garage structure, at the locations indicated on the Plans, as specified herein, and/or as directed by the Engineer.

**MATERIALS:** Materials shall meet the requirements of Part 600; Concrete, Section M.02; Portland Cement Concrete and of the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, with all revisions, and the following:

Concrete: Shall be as specified under Job Specific Code 601 Lightweight Concrete of these Specifications-Job Specific except for the concrete to be used for the integral sidewalk and Amtrak bollard foundation concrete, which shall be Class XX concrete meeting the requirements of Section 601 of the Standard Specifications of Road and Bridge Construction.

Color: The concrete shall be colored with an integral color dry mix added to concrete as it is mixed in the truck at the ratio specified by the manufacturer. Coloring agent shall meet the requirements of ASTM C 979.

Colored Admixture: Color Admixture for integrally colored concrete shall be a colored, water-reducing, admixture containing no calcium chloride with coloring agents that are lime proof and



UV resistant. Colored admixture shall conform to the requirements of ACI 303.1, ASTM C979, ASTM C494, and AASHTO M194.

a. Color to be selected by Engineer.

**Curing Compound for Integrally Colored Concrete:** Curing compound shall comply with ASTM C309, be suitable for exterior use and of same manufacturer as colored admixture, for use with integrally colored concrete.

**Hardener:** The dry-shake color hardener shall meet ASTM C 979 for color stability.

**Release Agent:** The release agent shall be a dry powdered, colored agent used to facilitate release of the imprinting tools from concrete surface, and to provide moderate color variations to the textured surface. The release agent shall meet ASTM C 979 for color stability.

**Pattern:** To be selected by the Engineer.

**Con-Shield and Sealer:** The Con-Shield and sealer shall be Bomanite Corporation or approved equal. Con-Shield will prevent deterioration and spalling from deicing salts used in freeze/thaw conditions.

**Powder Antiquing Release Agent:** As selected by Engineer from manufacturer's standard colors.

**Curing Compound:** Curing & sealing compound shall be as per the manufacturer's recommendations.

**CONSTRUCTION METHODS:** Construction methods shall meet the requirements of Section 501.03 Construction Methods of the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, with all revisions, and the following:

### **Performance History and Quality Control**

a) **Firm(s):** A minimum of three (3) years of recent experience of successfully completed stamped concrete in a pedestrian/plaza type area, similar to the scope of work defined above. List the completed projects in detail including addresses, scope of work performed, references and phone numbers. On-site visits will be coordinated at the State's discretion.

**Superintendent(s):** A minimum of three (3) years' experience managing the successful completion of a stamped concrete pedestrian/plaza area project similar to the scope of work defined above.

Provide resume(s) of the superintendent(s) who will provide on-site supervision for this contract.

b) **Pavement materials** selected for this project shall not vary in color, texture or quality. The contractor shall be solely responsible for guaranteeing that suppliers shall produce the materials in a timely manner and maintain quality consistency to the acceptance of the Engineer. Failure to comply with this requirement shall mean that the Engineer reserves the right to reject materials and source of supply at any time at no additional cost to the State.

**Submittals.** The Contractor shall submit the materials Certificate of Compliance, and the construction procedures outlining all the aspects necessary to complete the work, including the plastic concrete thickness verification method, the number of thickness measurements, and the corrective measure if the design thickness is not achieved.

The contractor shall fabricate in the field one sample of each of type and color of Portland cement concrete sidewalk, measuring 4' x 4' x 4" thick, for approval by the Engineer before ordering material(s). The sample shall demonstrate the final surface color, finish, texture, and pattern that will be provided uniformly throughout the project.

**Concrete mix design.** Minimum cement content shall be five (5) sacks per cubic yard of concrete. Slump of concrete shall be consistent throughout Project at 4-inches or less. At no time shall slump exceed 5-inches. If super plasticizers are allowed, slump shall not exceed 8-inches. Do not add calcium chloride to mix. Supplemental admixtures shall not be used unless approved by manufacturer.

**Color.** The color dry mix shall be added to Portland cement concrete as it is mixed in the truck at the ratio specified by the manufacturer. Add colored admixture to the mix according to manufacturer's written instructions in premeasured bags, not by weight of cement content.

**Concrete Placement.** The Contractor shall place the Portland cement concrete in one layer with the Vibratory Method. The Contractor shall verify the plastic concrete pavement thickness during the concrete strike-off operation. The Color Hardener and Release Agent shall be applied evenly to the troweled surface prior to imprinting.

**Imprinting.** While the concrete is still in its plastic stage of set, the imprinting tools shall be applied to the surface and then removed as per manufacturer's recommendations. Surfaces shall be uniformly stamped/imprinted, applying the pattern according to the tool manufacturer's instructions. Touch-up pattern and finish edges with hand tools only as necessary.

**Broom Finish:** A medium broom finish shall be applied to the surface of the grid scored concrete, with broom strokes alternating direction between squares in the grid.

**Scoring.** The Contractor shall score the uncured concrete to a width of 1/4" and depth of 1" in the 12" x 12", 15" x 15", or 24" x 24" grid pattern specified on the Plans using devices to assure straight edges and 1/4" joints. Joint tool to be used shall allow for limiting the resultant smooth finish adjacent to the joint to a maximum of 3/4" on either side of the joint to minimize visual impact. Scoring shall not be done by sawcutting.

**Curing and Sealing.** Apply curing and sealing compound for integrally colored concrete according to manufacturer's instructions using manufacturer's recommended application techniques. Apply curing and sealing compound at consistent time for each pour to maintain close color consistency. Curing compound shall be same color as the colored concrete and supplied by same manufacturer of the colored admixture.

Minor variations in appearance of colored concrete, which are similar to natural variations in color and appearance of uncolored concrete, are acceptable.

**Protection.** The Con-Shield shall be applied to the surface of the slab in accordance with the manufacturer's recommendations.

**METHOD OF MEASUREMENT.** "Integrally Colored and Stamped Portland Cement Concrete", "Integrally Colored And 12 Inch Grid Scored Portland Cement Concrete", "Integrally Colored And 15 Inch Grid Scored Portland Cement Concrete", "Integrally Colored and 24 Inch Grid Scored Portland Cement Concrete" will be measured for payment by the "Cubic Yard" actually provided in accordance with this specification, the Plans and/or as directed by the Engineer.

**BASIS OF PAYMENT:** The accepted quantity of "Integrally Colored and Stamped Portland Cement Concrete" "Integrally Colored And 12 Inch Grid Scored Portland Cement Concrete", "Integrally Colored And 15 Inch Grid Scored Portland Cement Concrete", "Integrally Colored and 24 Inch Grid Scored Portland Cement Concrete" will be paid for at the contract unit price bid per "Cubic Yard" which price will include all labor, materials and equipment, including but not limited to concrete, colored admixture, color hardener, release agent, sealer, joint filler, joint sealant, reinforcement, dowels, forms, contraction joints, construction joints, expansion joints, scoring, all samples and field trials, stamping of the concrete, removal and disposal of non-compliant concrete, protection of concrete during curing, concrete sand, cleaning and washing concrete, steel plating, and all other incidentals required to finish the work, complete in place in accordance with this specification and the Plans, and accepted by the Engineer.

**END OF SECTION**

**JOB SPECIFIC****CODE L15.9910****BOLLARD WITH CHAIN**

**DESCRIPTION:** This work shall consist of the furnishing and installing steel bollards with chains including hardware and appurtenances at the locations shown on the plans and as directed by the Engineer.

**MATERIALS:** Steel bollards shall be 3 1/2" Schedule 40 pipe (4" outside diameter) meeting ANSI/ASME B36.10M-1995. Steel bollards shall be concrete filled with Class A Portland Cement Concrete. Bollard caps to be 4" inside diameter with 1" domed tops conforming to the drawings. Eyebolts shall be 1/2" shank diameter, 1" shank length, 1 1/4" inside eye diameter, 2 1/4" outside eye diameter welded to the bollard pipe in the locations indicated on the drawings. Connecting chains between bollards to be hot-dipped galvanized Grade 30 proof coil 3/8" chain.

Completed bollard post, cap and eyebolt assemblies to be hot dip galvanized. Galvanized bollard post, cap, eyebolt assemblies and chain to be cleaned and prepared for painting in accordance with ASTM D6386, followed by a single coat application of Pro Industrial Pro-Cryl Universal Acrylic Primer and a single coat application of Pro-Cryl Universal Acrylic Paint, both as manufactured by the Sherwin-Williams Company, Cleveland, Ohio, or an approved equal. Color of finish coat of paint to be light gray to match existing adjacent bollards and chain on the perimeter of Station Park to the satisfaction of the Engineer.

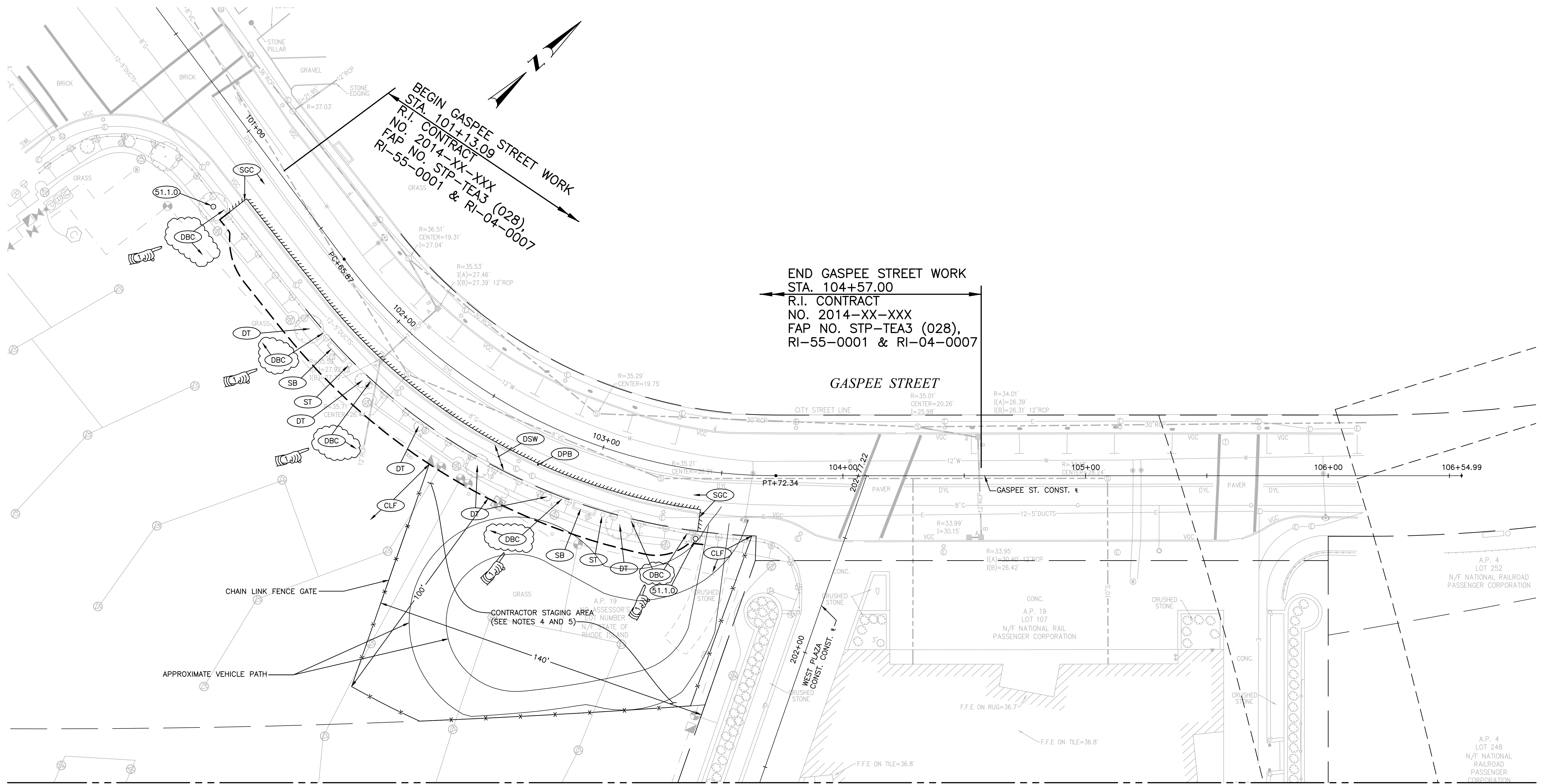
Chain lengths shall match adjacent existing bollards that are spaced 6' on center (Contractor to field verify) approximately 5'-5" length including 2.5" (inside measurement) terminal links for attachment to eyebolts. Chain lengths shall be sufficient to match the sag of existing chains between bollards (approximately 6", Contractor to field verify).

**CONSTRUCTION METHODS:** Method of Construction shall conform to Section 903 of the Rhode Island Standard Specifications for Road and Bridge Construction. Bollards shall be spaced at 6' on center in accordance with the plans.

**METHOD OF MEASUREMENT:** "Bollard with Chain" will be measured for payment by "Each" such bollard unit actually furnished and installed, in accordance with this specification, the Plans and/or as directed by the Engineer.

**BASIS OF PAYMENT:** The accepted quantity of "Bollard with Chain" will be paid for at its respective contract unit price per "Each" bollard unit as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools and equipment, excavation, concrete foundation, steel post and cap, eyebolt assemblies, chains to span between adjacent bollards, painting, cleaning, 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.

**END OF SECTION**



BEGIN GASPEE STREET WORK  
 STA. 101+13.09  
 R.I. CONTRACT NO. 2014-XX-XXX  
 FAP NO. STP-TEA3 (028)  
 RI-55-0001 & RI-04-0007

END GASPEE STREET WORK  
 STA. 104+57.00  
 R.I. CONTRACT NO. 2014-XX-XXX  
 FAP NO. STP-TEA3 (028),  
 RI-55-0001 & RI-04-0007

**GASPEE STREET**

MATCHLINE TO SITE PREPARATION PLAN NO. 2

**NOTES:**

- SEE ELECTRICAL SITE LIGHTING PLAN NO. 1 FOR MODIFICATIONS TO THE LIGHTING SYSTEM.
- SEE IRRIGATION PLAN NO. 1 FOR MODIFICATIONS TO THE IRRIGATION SYSTEM.
- CONTRACTOR SHALL REMOVE AND STOCKPILE ALL SPRINKLER HEADS FROM STAGING AREA, AND PROTECT IRRIGATION VALVE BOXES, PRIOR TO USE OF STAGING AREA.
- CONTRACTOR SHALL PLACE 6" OF CRUSHED STONE ON FILTER FABRIC OVER ENTIRE CONSTRUCTION STAGING AREA.
- UPON COMPLETION OF THE WORK, CONTRACTOR SHALL RESTORE STAGING AREA INCLUDING IRRIGATION SYSTEM TO EXISTING CONDITIONS. CONTRACTOR SHALL REMOVE ALL MATERIALS USED FOR STAGING AND PLACE 4" OF LOAM AND SEED THE STAGING AREA.
- REFER TO TRAFFIC CONTROL TYPICAL DETAILS AND TRAFFIC CONTROL PLANS FOR PEDESTRIAN DETOURS AND VEHICLE TRAFFIC MANAGEMENT.



**VHB** VANASSE HANGEN BRUSTLIN, INC.  
 TRANSPORTATION LAND DEVELOPMENT  
 ENVIRONMENTAL SERVICES  
 PROVIDENCE, RHODE ISLAND

REVISIONS		
NO.	DATE	BY
1	9/12/14	VHB

**RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION**

**PROVIDENCE STATION  
 SURFACE IMPROVEMENTS PROJECT  
 CONTRACT 1**

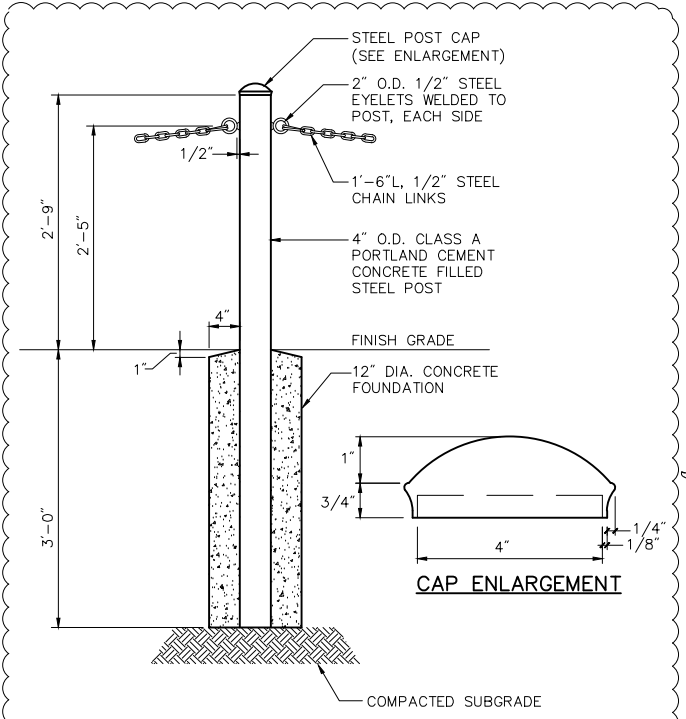
PROVIDENCE, RHODE ISLAND

**SITE PREPARATION PLAN NO. 1**

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE \_\_\_\_\_

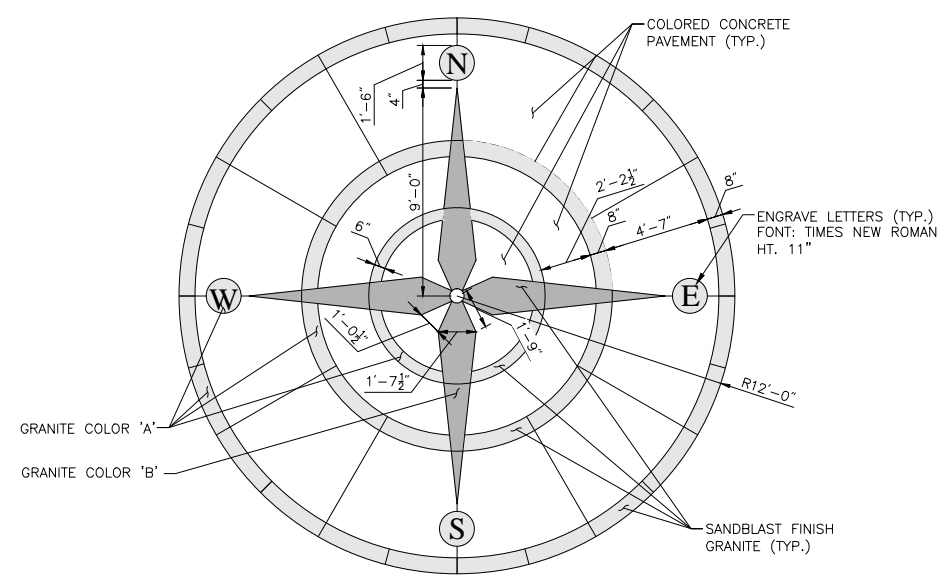
ADDENDUM NO. 2

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI			22	75



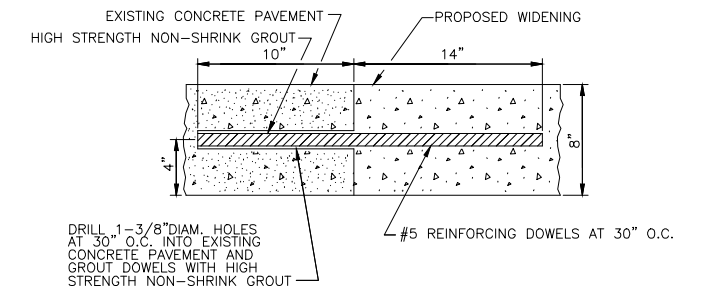
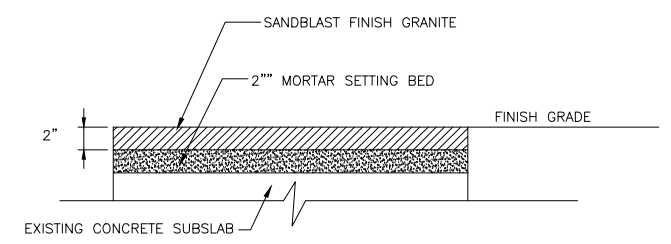
- NOTES:**
1. PRIME AND PAINT BOLLARD POST AND CAP WITH APPROVED EXTERIOR METAL EPOXY BASED ACRYLIC PAINT.
  2. COLOR TO BE GRAY TO MATCH EXISTING SURROUNDING POST BOLLARDS.

**STEEL BOLLARD WITH CHAIN**  
NOT TO SCALE

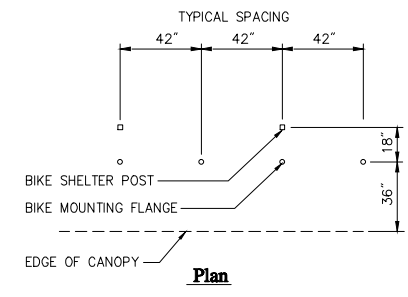


- NOTES:**
1. SET MEDALLION ORIENTED TO TRUE NORTH.

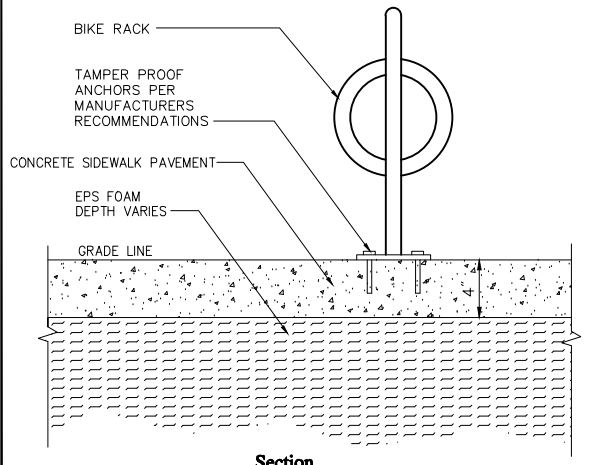
**COMPASS ROSE DETAIL**  
NOT TO SCALE



**WIDENING CONCRETE PAVEMENT**  
NOT TO SCALE

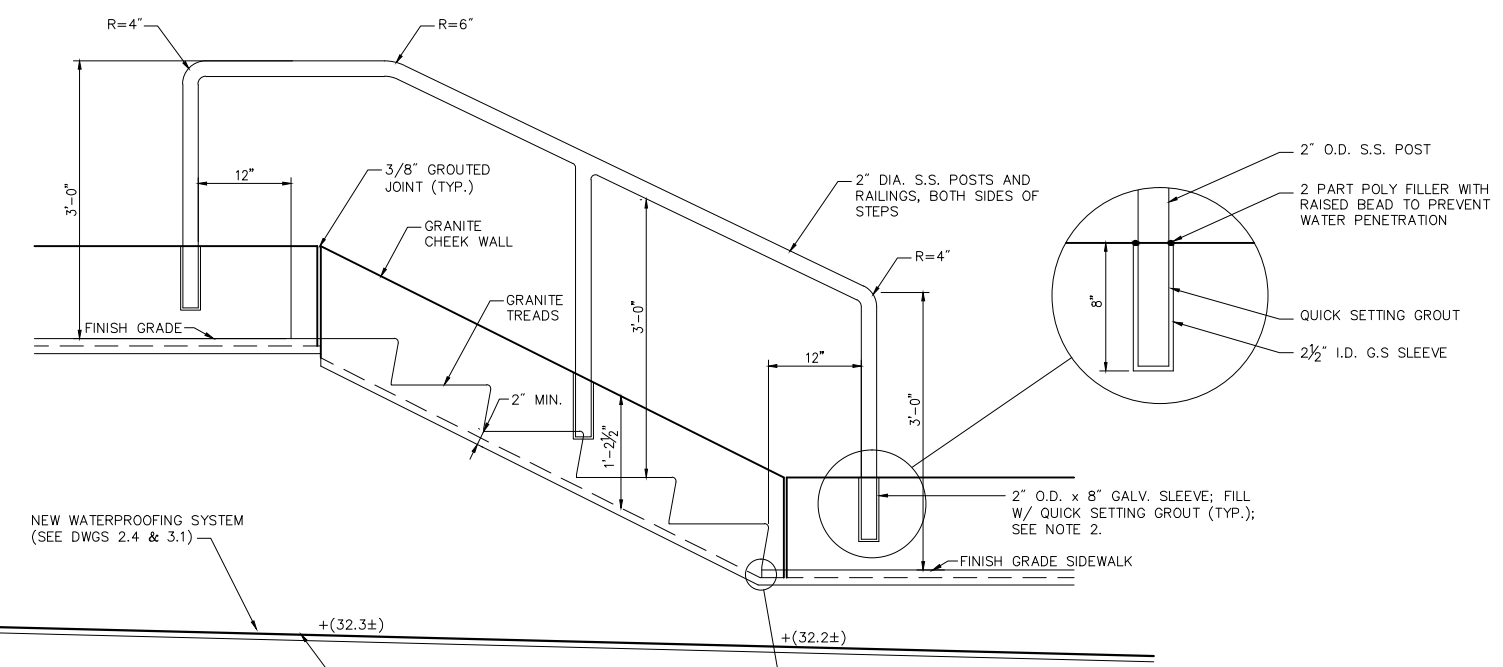


- NOTES:**
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



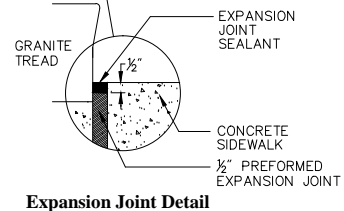
**BIKE RACK - SURFACE MOUNTED**  
NOT TO SCALE

ADDENDUM NO. 2

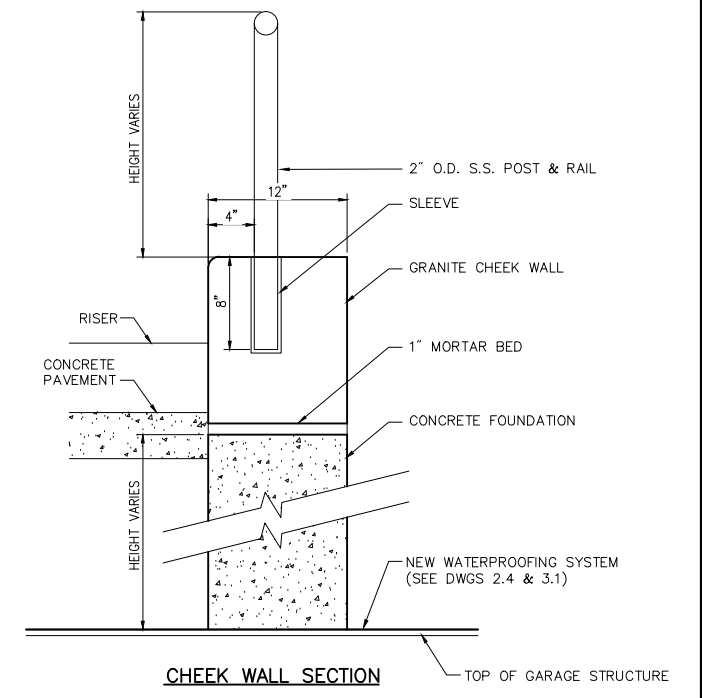


- Notes:**
1. SPACE & HEIGHT OF STAIRS VARY. SEE PLANS FOR SPOT ELEVATIONS @ STAIRS & LANDING LENGTHS. SEE PLANS CONCRETE REPAIR DETAIL, SHEET R-2.2.
  2. CONTINUOUS RAILING (POSTS @ 5' O.C. MAX.) SHALL BE USED ON BOTH SIDES OF STAIRS.
  3. WIDTH OF STEPS SHALL BE AS INDICATED ON THE PLANS AS MEASURED BETWEEN INSIDE FACE OF CHEEK WALLS.

**STAIR WITH HANDRAIL**  
NOT TO SCALE



**Expansion Joint Detail**



**CHEEK WALL SECTION**

REVISIONS		
NO.	DATE	BY
1	9/12/14	VHB

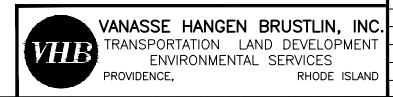
**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

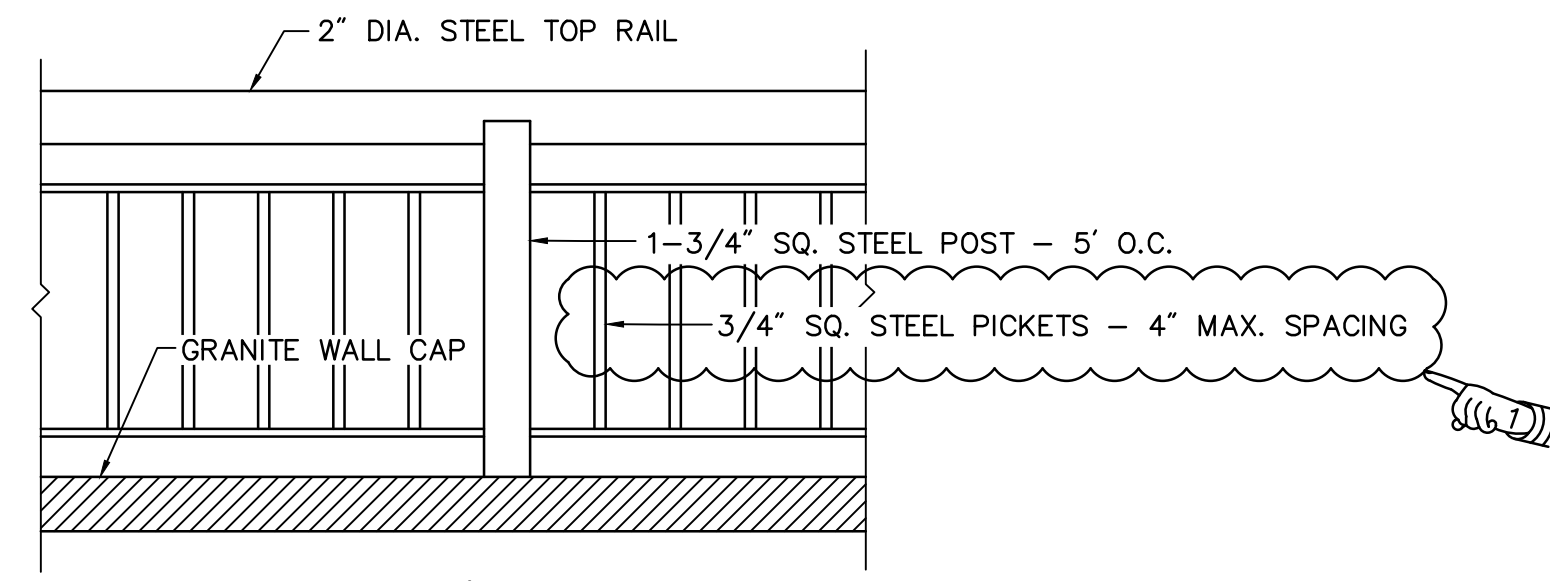
**PROVIDENCE STATION**  
**SURFACE IMPROVEMENTS PROJECT**  
**CONTRACT 1**

PROVIDENCE, RHODE ISLAND

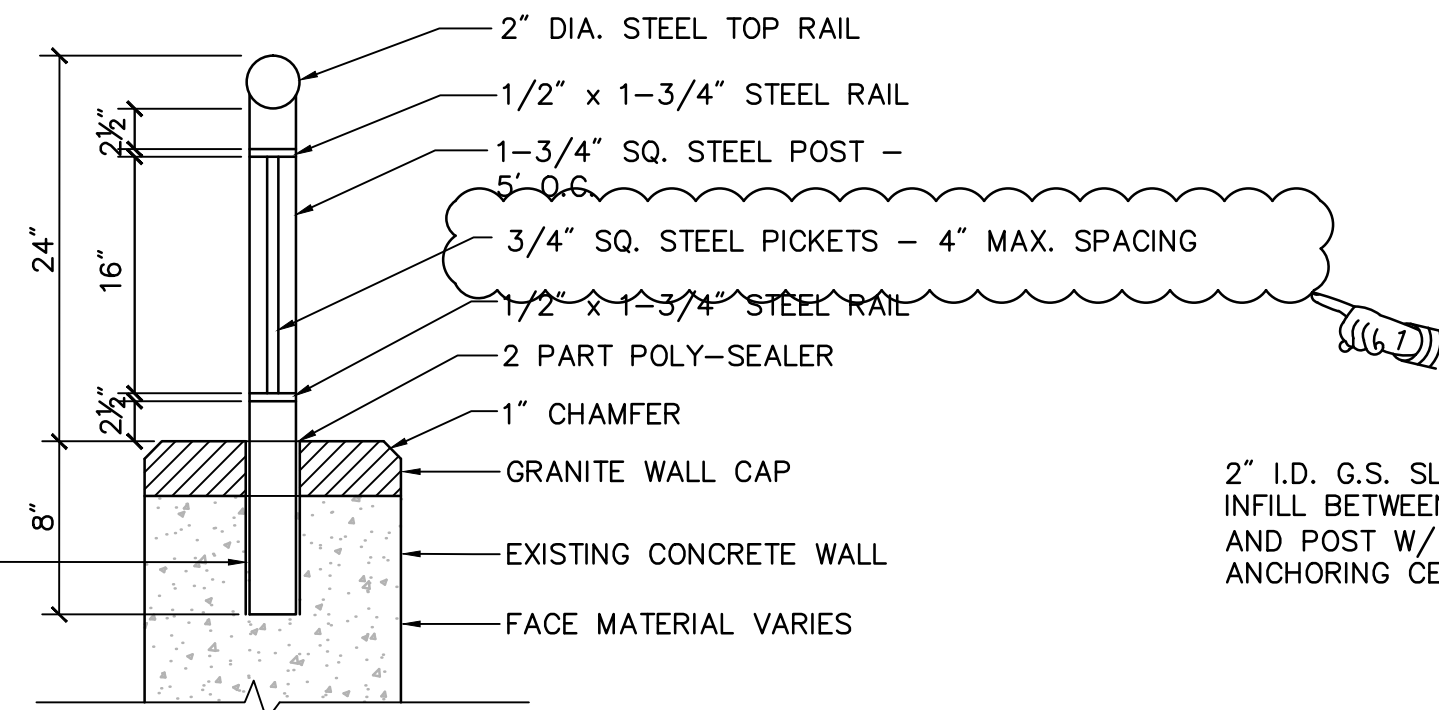
**SITE DETAILS NO. 3**

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE \_\_\_\_\_



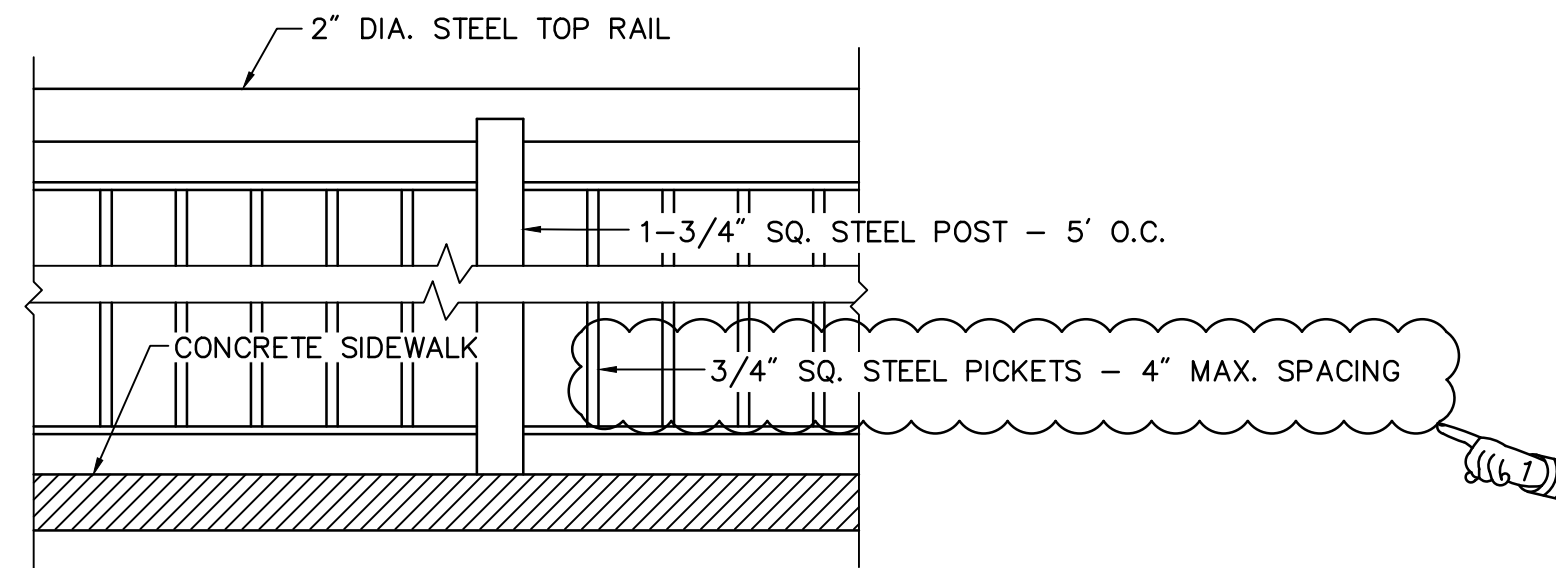


Elevation

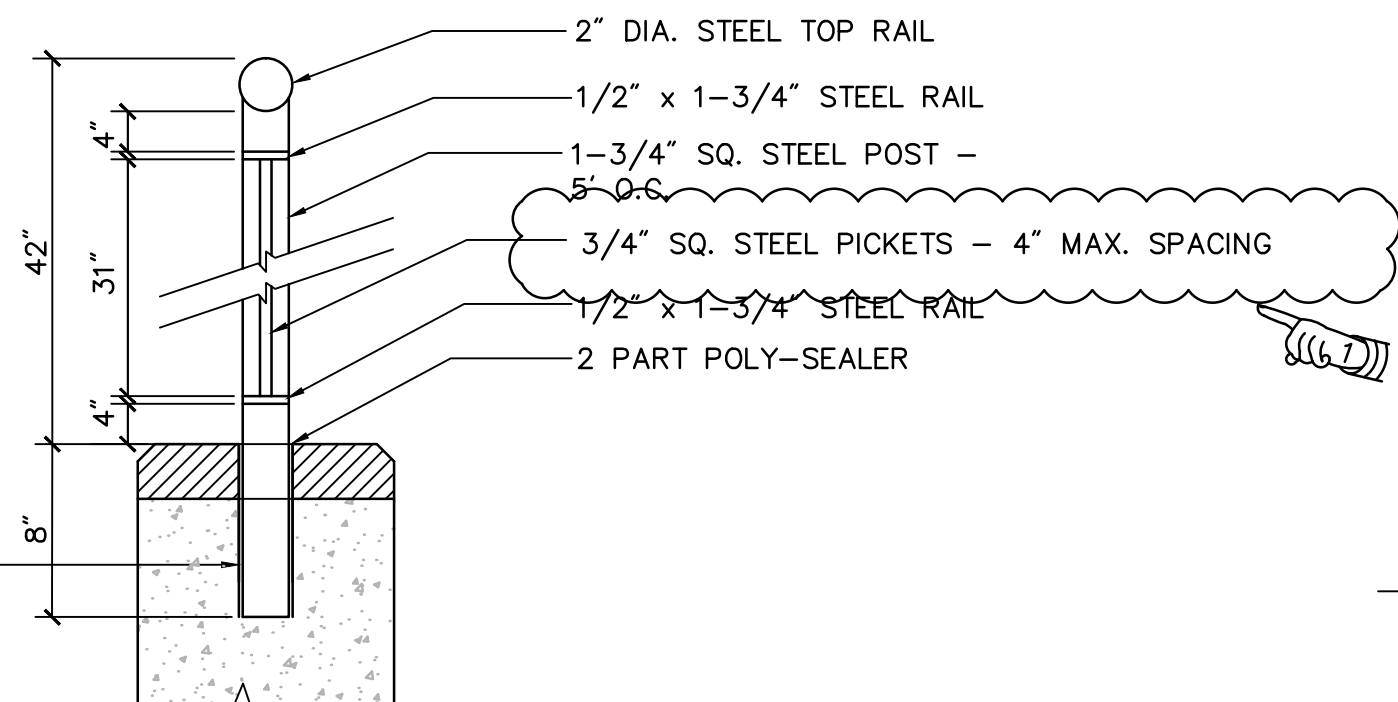


Section

**TYPE A**  
**WALL MOUNTED ORNAMENTAL STEEL FENCE—24" HIGH**  
NOT TO SCALE

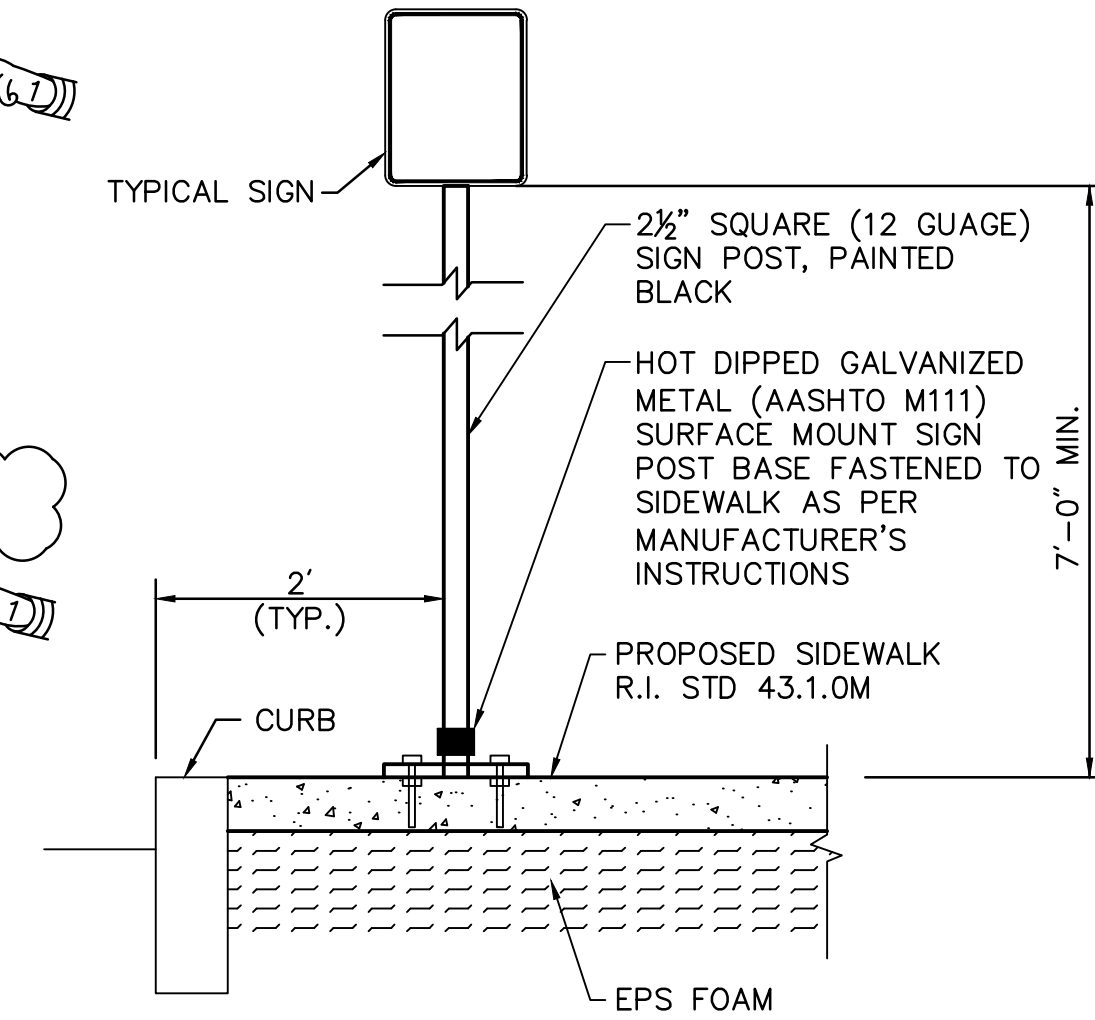


Elevation

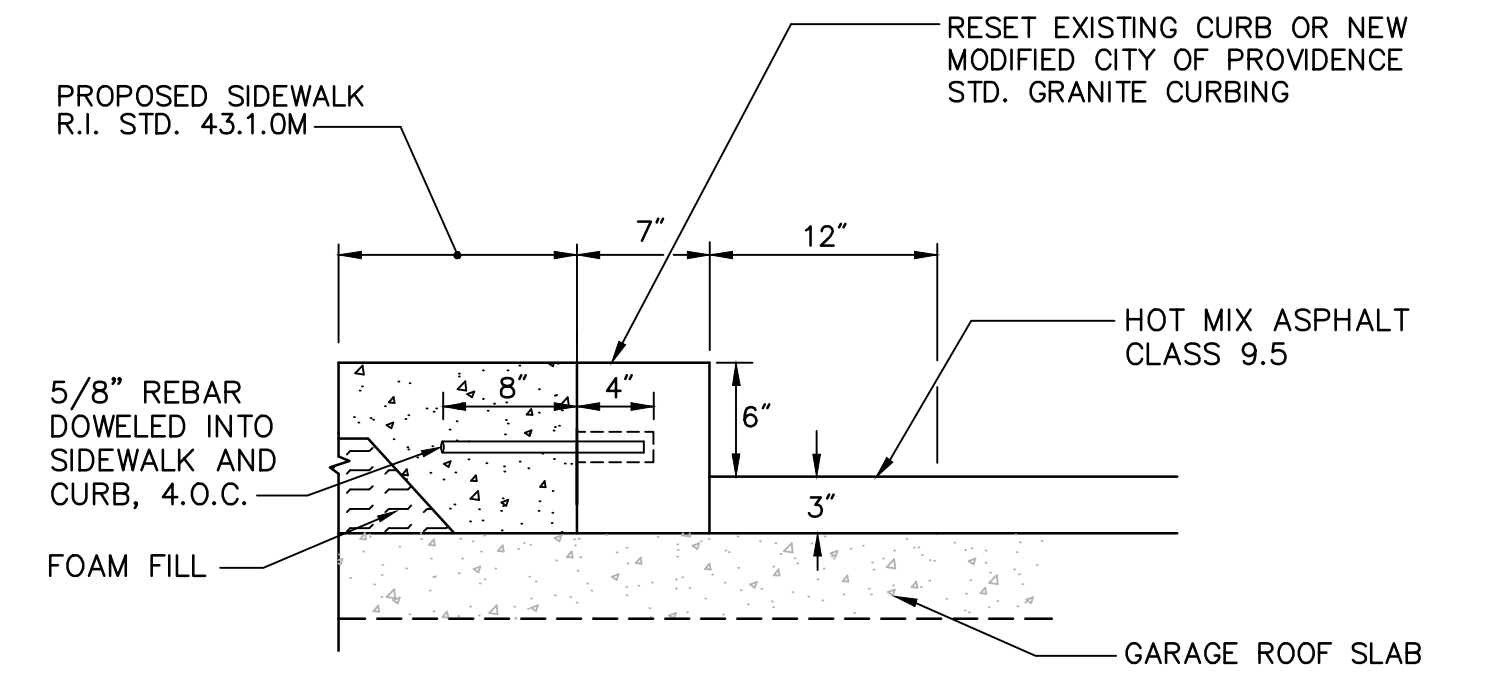


Section

**TYPE B**  
**WALL MOUNTED ORNAMENTAL STEEL FENCE — 42" HIGH**  
NOT TO SCALE

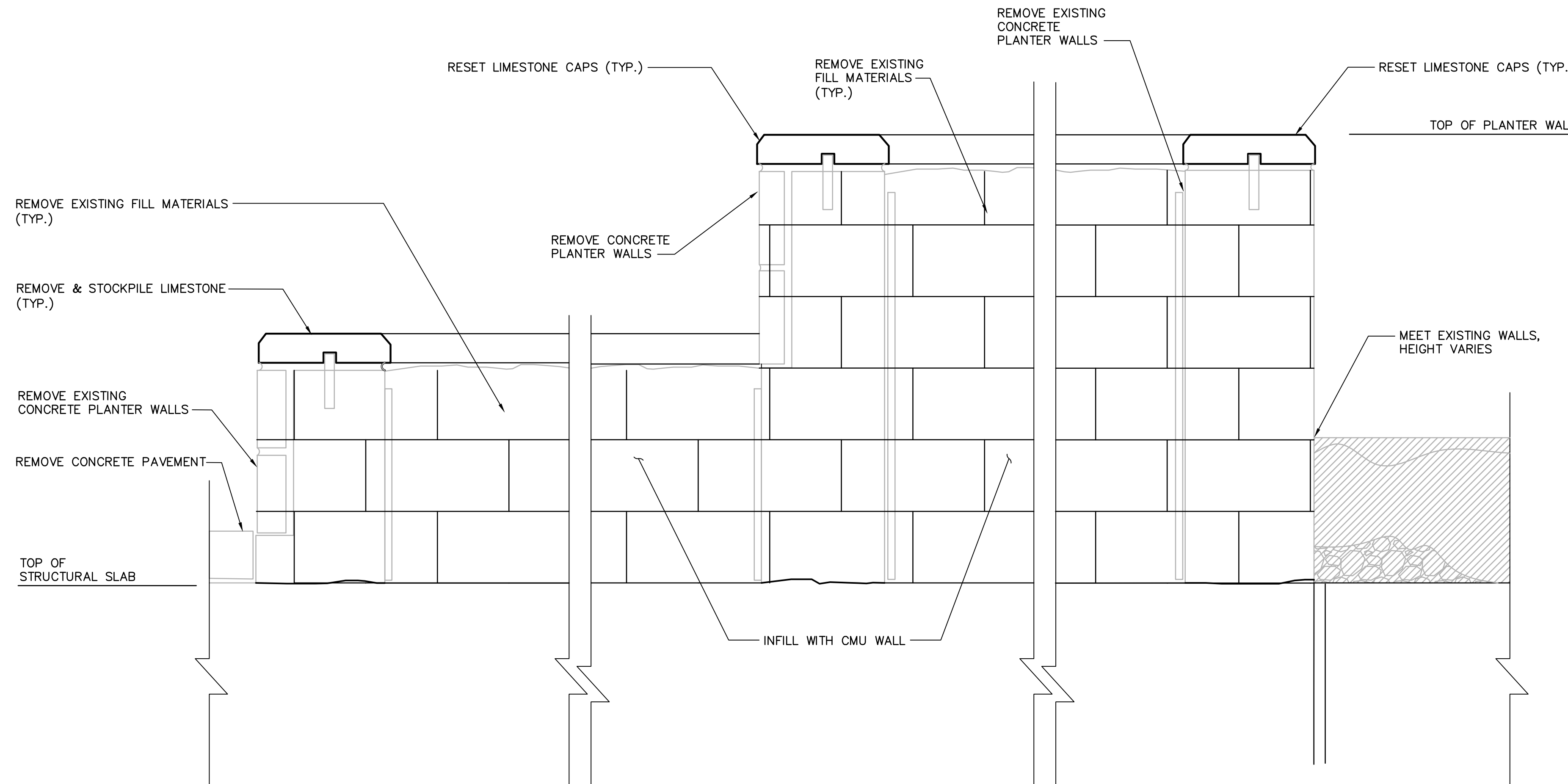


**SURFACE MOUNTED SIGN POST**  
24.2.0 M, 24.4.0 M, 24.6.0 M, 24.6.1 M  
NOT TO SCALE

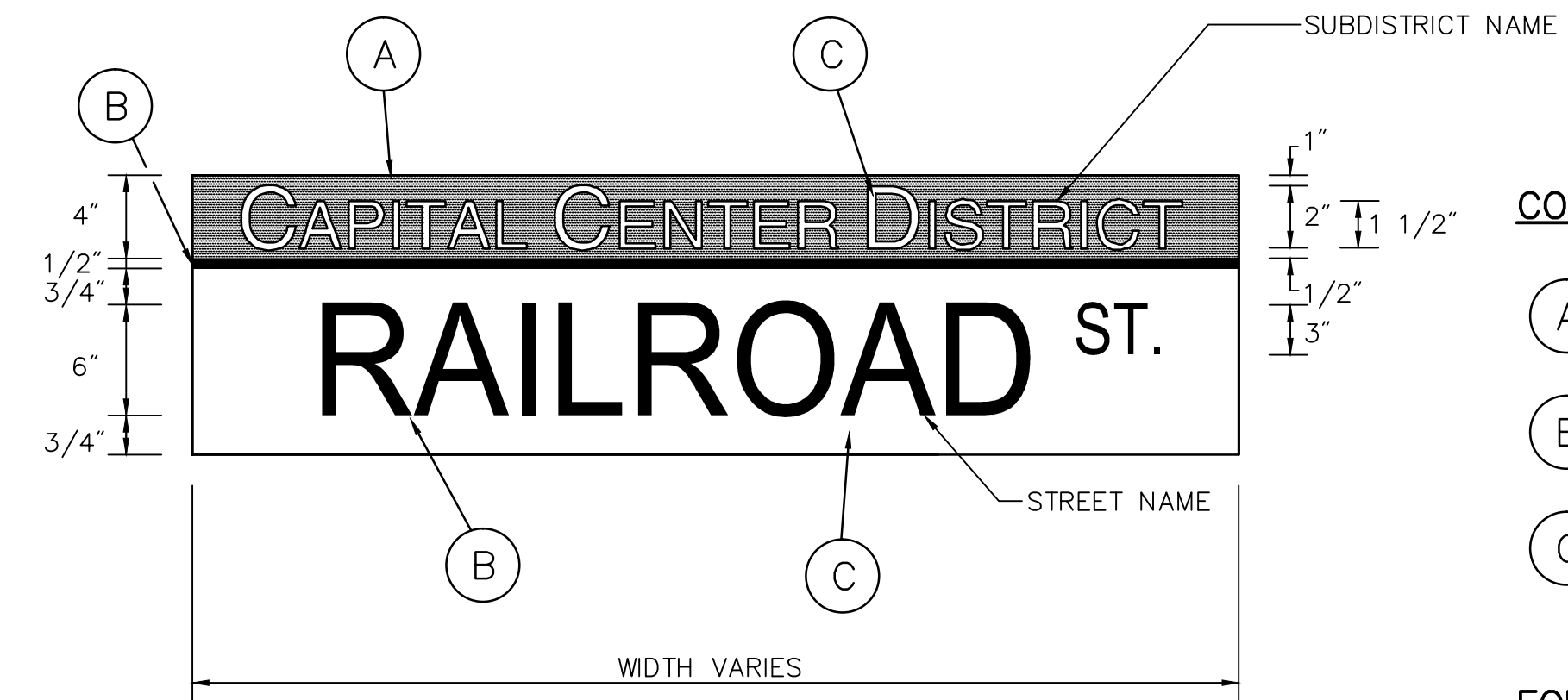


**NOTE:**  
SEE CONCRETE REPAIR DETAILS AND SECTIONS FOR SIDEWALK REINFORCING AND MEMBRANE DETAILS.

**INSTALLATION OF CURBING (7.3.0) MP**  
**RAILROAD STREET & PARK ROW WEST**  
NOT TO SCALE



**TEMPORARY CMU WALL (CMU)**  
NOT TO SCALE



**COLOR SCHEME**

- (A) = TO BE PROVIDED BY THE CITY
- (B) = PMS BLACK
- (C) = 3M SCOTCHLITE DIAMOND GRADE REFLECTIVE SHEETING, #980-10, WHITE

**FONTS**

SUBDISTRICT NAME = CG TRIUMVIRATE BOLD (75%)  
STREET NAME = ARIAL NARROW

**NOTES:**

- STREET NAME SIGNS TO BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS.
- SEE SIGNING & STRIPING PLANS FOR STREET NAME LEGENDS.
- STREET NAME SIGNS SHALL BE SUPPORTED BY A BRACKET ON THE BOTTOM OF THE SIGN WITH A MINIMUM LENGTH OF 3/4 OF THE LENGTH OF THE SIGN PANEL.

**STREET NAME SIGN DETAIL**  
NOT TO SCALE

REVISIONS		
NO.	DATE	BY
1	9/12/14	VHB

RHODE ISLAND	
DEPARTMENT OF TRANSPORTATION	
PROVIDENCE STATION	
SURFACE IMPROVEMENTS PROJECT	
CONTRACT 1	
PROVIDENCE,	RHODE ISLAND
<b>SITE DETAILS NO. 4</b>	
CHECKED BY _____	DATE _____ SCALE _____

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201.0401	REMOVE AND DISPOSE GRANITE CURB	1
201.0403	REMOVE AND DISPOSE SIDEWALKS	2
201.0405	REMOVE AND DISPOSE MASONRY	2
201.0407	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE	2
201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	3
201.0410	REMOVE AND DISPOSE CATCH BASINS	3
201.0414	REMOVE AND DISPOSE PIPE - ALL SIZES	3
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201.0422	REMOVE AND DISPOSE DROP INLET	5
201.0424	REMOVE AND DISPOSE RETAINING WALL	5
201.0428	REMOVE AND DISPOSE FRAME AND GRATE OR FRAME AND COVER	5
201.0433	REMOVE AND DISPOSE BOLLARD	6
201.0450	REMOVE AND STOCKPILE ON SITE GRANITE CURB	6
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<b>201.9901</b>	<b>REMOVE AND DISPOSE BOLLARD AND CHAIN</b>	<b>8</b>
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201.9904	REMOVE AND DISPOSE STAINLESS STEEL RAILING SYSTEM	9
201.9905	REMOVE AND DISPOSE HANDRAILS	9
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201.9909	REMOVE AND DISPOSE PAVERS (ALL TYPES)	10
201.9912	REMOVE AND DISPOSE PLAZA PLANTERS IRRIGATION SYSTEM	10
201.9913	REMOVE AND DISPOSE WEST PLAZA PLANTERS IRRIGATION SYSTEM	10
201.9914	REMOVE AND DISPOSE YARD DRAIN & CAP PIPE	10
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018	201.0610 Cont.	RAILROAD STREET				
		STA 304+75 LT		2.00	0023	02
		STA 304+92 LT		1.00	0023	02
		STA 305+43 LT		1.00	0023	02
<b>Item 201.0610 Total:</b>				<b>6.00</b>		
019	201.0617	REMOVE AND DISPOSE CONDUIT - ALL SIZES	LF			
		RAILROAD STREET				
		STA 300+33 LT TO RT		30.00	0023	02
		STA 300+33 TO ST 301+75 LT		164.00	0023	02
		STA 304+20 TO STA 305+45 LT		164.00	0023	02
		STA 305+45 LT TO RT		28.00	0023	02
		SOUTH PLAZA				
		PLAZA TOTAL		912.00	0023	02
<b>Item 201.0617 Total:</b>				<b>1,298.00</b>		
020	201.9901	REMOVE AND DISPOSE BOLLARD AND CHAIN	LF			
		GASPEE STREET				
		STA. 101+20 TO STA. 101+83 RT		10.00		
		STA. 102+08 TO STA. 102+92 RT		14.00		
		STA. 103+18 TO STA. 103+40 RT		5.00		
		SOUTH PLAZA				
		STA. 302+64 TO STA. 302+98 RT		21.00	0023	02
<b>Item 201.9901 Total:</b>				<b>50.00</b>		
021	201.9902	REMOVE AND DISPOSE LIMESTONE WALL CAP	LF			
		RAILROAD STREET				
		STA. 304+20 TO STA 304+75 LT		100.00	0023	02
		STA. 304+70 LT		6.00	0023	02
		SOUTH PLAZA				

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021	201.9902 Cont.	STA. 301+35 TO STA. 302+56 RT		216.00	0023	02
		STA. 303+20 TO STA. 304+15 RT		200.00	0023	02
		STA. 303+29 TO STA. 303+51 RT		54.00	0023	02
<b>Item 201.9902 Total:</b>				<b>576.00</b>		

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
030	201.9914	Cont.				
Item 201.9914 Total:				39.00		
031	201.9915	REMOVE AND DISPOSE EXTRUDED POLYSTRENE FOAM SOUTH PLAZA PROJECT WIDE	LBS			
				4,050.00	0006	01
Item 201.9915 Total:				4,050.00		
032	201.9916	REMOVE AND SALVAGE LIGHT POLES AND LUMINAIRES PROJECT WIDE PROJECT WIDE	EACH			
				20.00	0023	02
Item 201.9916 Total:				20.00		
033	201.9918	REMOVE AND STOCKPILE BENCH GASPEE STREET STA. 101+92 RT STA. 103+01 RT	EACH			
				1.00	0006	01
				1.00	0006	01
Item 201.9918 Total:				2.00		
034	201.9919	REMOVE AND STOCKPILE TRASH RECEPTACLE GASPEE STREET STA. 101+98 RT STA. 103+08 RT	EACH			
				1.00	0006	01
				1.00	0006	01
Item 201.9919 Total:				2.00		
035	201.9920	REMOVE AND DISPOSE CHAINED BOLLARD GASPEE STREET STA. 101+20 TO STA. 101+83 RT STA. 102+08 TO STA. 102+92 RT STA. 103+18 TO STA. 103+40 RT	EACH			
					0006	01
					0006	01
					0006	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
035	201.9920 Cont.	TEMP ACCESS RAMP				
		STA. 701+98 TO STA. 704+50 LT			0006	01
		STA. 701+98 TO STA. 704+50			0006	01
		LT (SITE RESTORATION)				
Item 201.9920 Total:					**DELETED**	
036	201.9921	RESET TRASH RECEPTACLE FROM STOCKPILE	EACH			
		GASPEE STREET				
		STA. 102+05 RT		1.00	0006	01
		STA. 102+62 RT		1.00	0006	01
Item 201.9921 Total:				2.00		
037	201.9922	RESET BENCH FROM STOCKPILE	EACH			
		GASPEE STREET				
		STA. 101+98 RT		1.00	0006	01
		STA. 102+56 RT		1.00	0006	01
Item 201.9922 Total:				2.00		
038	201.9923	RESET BOLLARD WITH CHAIN FROM STOCKPILE	EACH			
		GASPEE STREET				
		FROM ITEM 201.9920			0006	01
Item 201.9923 Total:					**DELETED**	
039	201.9924	REMOVE AND RELOCATE BOULDER	EACH			
		TEMPORARY ACCESS ROAD				
		STA. 701+98 TO STA. 704+50 LT		22.00	0006	01
		STA. 701+98 TO STA. 704+50		22.00	0006	01
		LT (SITE RESTORATION)				
Item 201.9924 Total:				44.00		
040	202.0100	EARTH EXCAVATION	CY			

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167	L15.9906	<b>TRASH RECEPTACLE</b>	<b>EACH</b>			
		SOUTH PLAZA				
		STA. 401+40 LT		1.00	0006	01
		STA. 401+50 LT		1.00	0006	01
		STA. 402+45 LT		1.00	0006	01
		STA. 402+95 LT		1.00	0006	01
<b>Item L15.9906 Total:</b>				<b>4.00</b>		
168	L15.9907	<b>CIGARETTE ASH URN</b>	<b>EACH</b>			
		SOUTH PLAZA				
		STA. 401+70 LT		1.00	0006	01
		STA. 402+65 LT		1.00	0006	01
<b>Item L15.9907 Total:</b>				<b>2.00</b>		
169	L15.9908	<b>BIKE SHELTER</b>	<b>EACH</b>			
		RAILROAD STREET				
		STA 304+37 LT		1.00	0006	01
		STA 304+50 LT		1.00	0006	01
<b>Item L15.9908 Total:</b>				<b>2.00</b>		
170	L15.9909	<b>PRECAST CONCRETE REMOVABLE PLANTER</b>	<b>EACH</b>			
		SOUTH PLAZA				
		STA. 400+90 LT		1.00	0006	01
		STA. 403+50 LT		1.00	0006	01
<b>Item L15.9909 Total:</b>				<b>2.00</b>		
171	L15.9910	<b>BOLLARD WITH CHAIN</b>	<b>EACH</b>			
		GASPEE STREET				
		LESS ITEM 201.9920			0006	01
		STA. 101+22 TO STA. 101+74 RT		10.00	0006	01
		STA. 101+78 TO STA. 101+93 RT		4.00	0006	01
		STA. 102+08 TO STA. 102+34 RT		6.00	0006	01
		STA. 102+38 TO STA. 102+51 RT		3.00	0006	01

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171	L15.9910 Cont.	STA. 102+68 TO STA. 103+01 RT		7.00	0006	01
		STA. 103+06 TO STA. 103+29 RT		5.00	0006	01
		STA. 103+34 TO STA. 103+40 RT		2.00	0006	01
<b>Item L15.9910 Total:</b>				<b>37.00</b>		
S172	L15.9911	<b>SOUTH PLAZA IRRIGATION SYSTEM</b>	<b>LS</b>			
		SOUTH PLAZA				
		AREA WIDE		1.00	0006	01
<b>Item L15.9911 Total:</b>				<b>1.00</b>		
S173	L15.9912	<b>MODIFICATIONS TO STATION PARK</b>	<b>LS</b>			
		<b>IRRIGATION SYSTEM</b>				
		GASPEE STREET				
		AS SHOWN ON PLAN		1.00	0006	01
<b>Item L15.9912 Total:</b>				<b>1.00</b>		
S174	T04.6902	<b>'2' STRANDED COPPER CONDUCTOR 600V</b>	<b>LF</b>			
		<b>INSULATION</b>				
		GASPEE STREET				
		STA. 101+45 TO STA. 102+85		420.00	0023	02
		SOUTH PLAZA				
		GARAGE		3,000.00	0023	02
		STATION		900.00	0023	02
<b>Item T04.6902 Total:</b>				<b>4,320.00</b>		
S175	T04.6906	<b>'6' STRANDED COPPER CONDUCTOR 600V</b>	<b>LF</b>			
		<b>INSULATION</b>				
		GASPEE STREET				
		GASPEE STREET		160.00	0023	02
		STA. 101+45 TO STA. 102+85		1,000.00	0023	02
		SOUTH PLAZA				
		STATION		300.00	0023	02
<b>Item T04.6906 Total:</b>				<b>1,460.00</b>		