

Request for Proposal Number: 23-24

Addendum 3

Date: March 14, 2023

---

### **Acknowledgment of Addenda**

The undersigned acknowledges receipt of the following addenda to the bidding document:

**THE COMPLETED ACKNOWLEDGEMENT OF ADDENDA FORM  
SHOULD BE RETURNED WITH BID RESPONSE PACKAGE: NOT  
SENT TO RIPTA SEPARATELY**

NOTE: Failure to acknowledge receipt of all addenda may cause the bid to be considered non-responsive to the solicitation. Acknowledged receipt of each addendum must be clearly established and included with the bid.

---

Name of Bidder

---

Street Address

---

City, State, Zip

---

Signature of Authorized Official

---

Date

**Request for Proposal Number: 23-24**

**Addendum 3**

**Date: March 14, 2023**

---

**CCRI Warwick Enhanced Bus Service Project – RFP No. 23-24**

**Addendum 3**

**Date: March 14, 2023**

**Notice to Prospective Bidders:**

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.

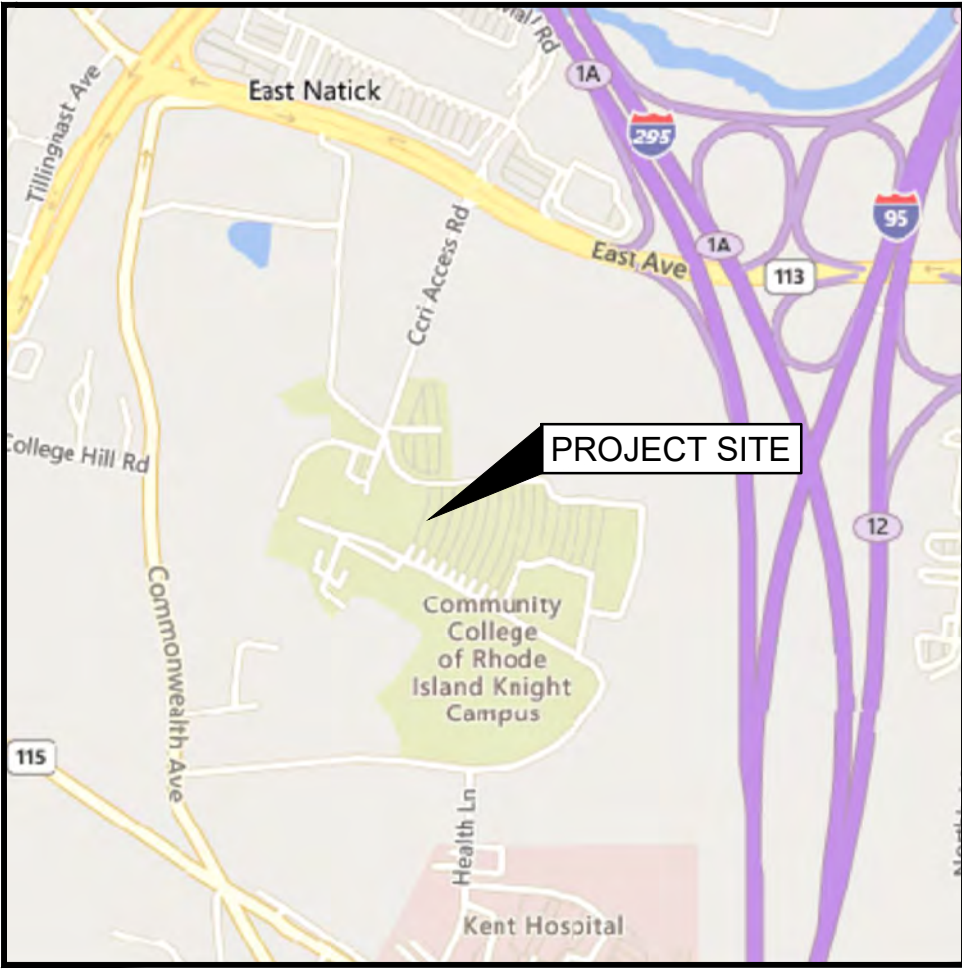
**Description of Changes:**

Addendum No. 3 includes the following:

1. Revision to Contract Plan Sheets
  - a. C-001 Civil Notes
  - b. C-021 Site Preparation Plan
  - c. C-101 Site Plan
  - d. C-111 Grading & Drainage Plan
  - e. C-121 Signing & Pavement Marking Plan
  - f. C-131 Location Plan
  - g. C-142 Landscape Plan
  - h. C-201 Construction Profile
  - i. C-301 Cross Sections
  - j. C-302 Cross Sections
  - k. C-303 Cross Sections
  - l. C-304 Cross Sections
  - m. C-501 Civil Details
2. Revision to Contract Specifications
  - a. N/A



INDEX OF DRAWINGS	
DRAWING NO.	DRAWING TITLE
G-001	COVER
C-001	CIVIL NOTES
C-002	CIVIL SYMBOLS, LEGEND, & ABBREVIATIONS
C-003	TYPICAL SECTIONS
C-004	BORING LOGS
C-011	EXISTING CONDITIONS PLAN
C-021	SITE PREPARATION PLAN
C-101	SITE PLAN
C-111	GRADING & DRAINAGE PLAN
C-121	SIGNING & PAVEMENT MARKING PLAN
C-131	LOCATION PLAN
C-141	LANDSCAPE PLAN
C-142	LANDSCAPE PLAN
C-201	PROFILE
C-301 - C-304	CROSS SECTIONS
C-401	BUS SHELTER PLAN & ELEVATION
C-402	SITE RAMP
C-501	CIVIL DETAILS
C-502	CIVIL DETAILS
C-503	CIVIL DETAILS
C-504	CIVIL DETAILS
C-505	CIVIL DETAILS
C-506	CIVIL DETAILS
C-511	LANDSCAPE DETAILS



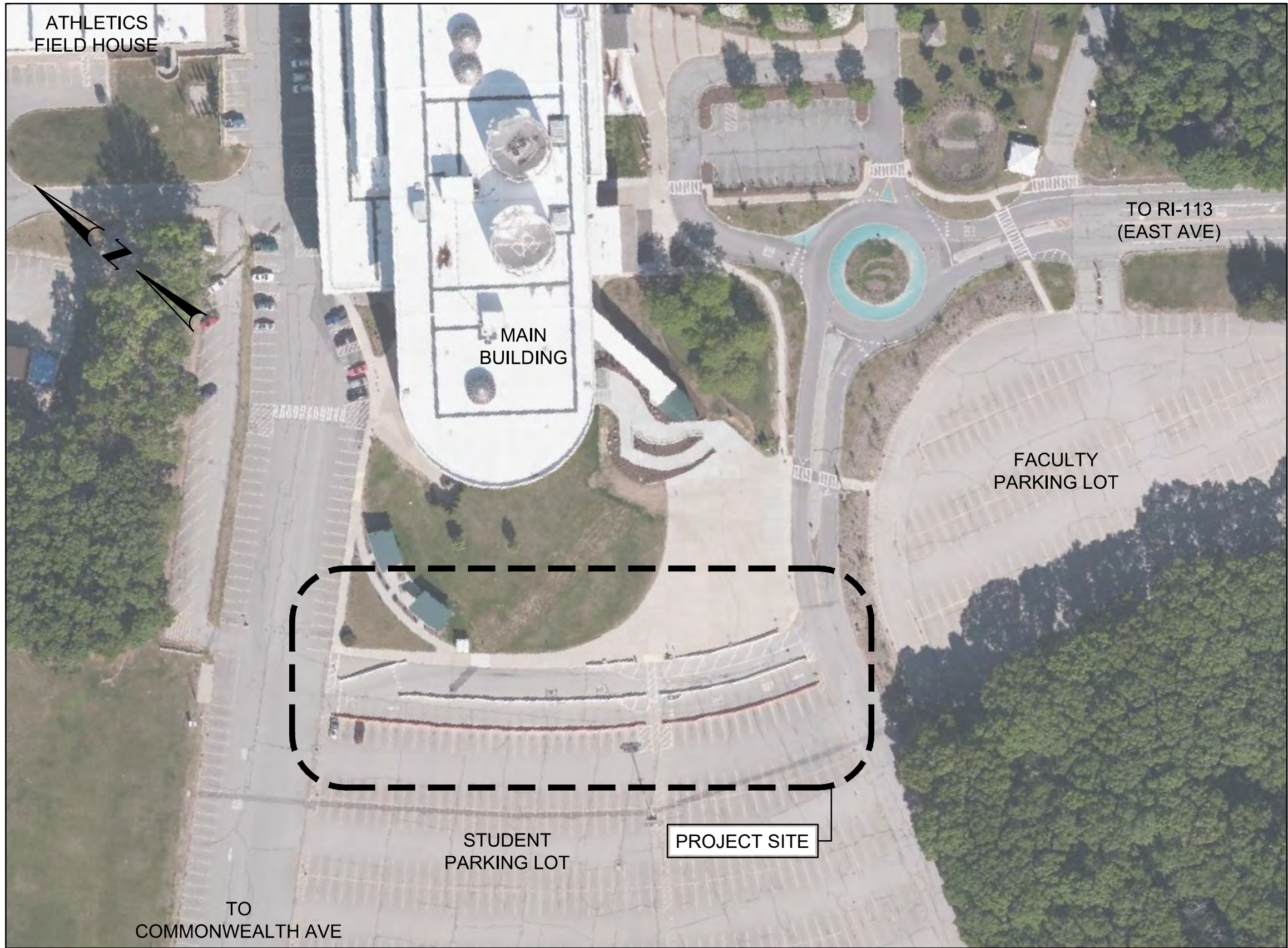
LOCATION MAP  
SCALE: 1" = 1000'

# RIPTA-CCRI ENHANCED BUS SERVICE PROJECT

## CCRI KNIGHTS CAMPUS

400 EAST AVENUE - WARWICK, RI 02886  
COUNTY OF KENT

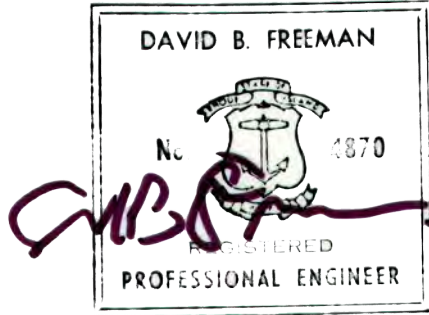
R.I. CONTRACT NO. 2022-XX-XXX      RIFAP NO. XXXXXXXXX



**Michael Baker**  
INTERNATIONAL

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM

Contract Number ###  
Number of Sheet 001  
Total Sheets 027



100% PLAN  
DOCUMENTS  
FEBRUARY 15, 2023



REFERENCES:

1. PLANS ENTITLED 'KNIGHT CAMPUS, CCRI RENEWAL-PHASE 1, 400 EAST AVENUE, WARWICK, R.I., PREPARED BY BREWSTER THORNTON GROUP AND PARE CORPORATION, DATED 10/20/2014.
2. PLANS ENTITLED 'TRAFFIC SAFETY UPGRADES – CCRI KNIGHT CAMPUS ENTRY RENEWAL, 400 EAST AVENUE, WARWICK, R.I., PREPARED BY BREWSTER THORNTON GROUP AND PARE CORPORATION, DATED 3/15/2017.
3. THE EXISTING CONDITIONS PLAN PREPARED FOR THIS DESIGN IS BASED ON A DATA ACCUMULATION SURVEY PERFORMED IN MARCH 2022; REVISED NOVEMBER 2022 BY MICHAEL BAKER INTERNATIONAL.
4. HORIZONTAL AND VERTICAL CONTROL DATUMS ARE BASED ON SURVEY CONTROL INFORMATION REFERENCED FROM THE ABOVE NOTED PLANS.

GENERAL NOTES:

1. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION AMENDED MARCH 2018, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. ALL WORK SHALL CONFORM TO RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE CONTRACT SPECIFICATIONS.
2. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND ARCHITECT AS REQUIRED.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ALL OPEN EXCAVATED AREAS IN ACCORDANCE WITH OSHA STANDARDS.
4. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR IS TO IMMEDIATELY CONTACT AND COORDINATE WITH THE ENGINEER AND OWNER.
5. ANY AREA OUTSIDE OF THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
6. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.
7. EXCAVATED ROCK SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF.
8. THE CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGE AND/OR DISTURBANCES TO ADJACENT PROPERTY BEYOND THE LIMIT OF WORK. ACTUAL DAMAGE TO THESE AREAS, CAUSED BY THE CONTRACTOR, SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO RIPTA OR CCRI.
9. THE CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGE AND/OR DISTURBANCE TO EXISTING TREES AND SHRUBS NOT OTHERWISE DESIGNATED FOR REMOVAL.
10. PLANTS DESIGNATED TO REMAIN SHALL BE PROTECTED BY THE PLACEMENT OF A TREE PROTECTION FENCE ENCLOSURE AROUND SHRUBS, OR AT THE DRIP LINE OF EACH TREE. PLACE TREE PROTECTION ADDITIONALLY AT ALL OTHER LOCATIONS WHERE TREES AND/OR SHRUBS MAY BE JEOPARDIZED BY CONSTRUCTION ACTIVITIES.
11. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED IN ACCORDANCE WITH DETAILS AS SHOWN.

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT AND CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED DRAWINGS.
2. ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. CONTRACTOR TO COORDINATE ALL UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH WORK.
3. THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICE DURING THE CONSTRUCTION OPERATION WITHOUT THE APPROVAL OF THE OWNER.
4. WATER, SEWER, DRAINAGE AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE UNTIL PROPOSED IMPROVEMENTS ARE CONSTRUCTED AND ONLINE. WHEN CONNECTING TO ACTIVE OR RELOCATED UTILITIES, SHUTDOWNS SHALL BE MINIMIZED AND COMPLETED OFF HOURS AND COORDINATED WITH THE OWNER.

CONSTRUCTION NOTES:

1. COORDINATION OF MAINTAINING TRAFFIC AND EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. PRIOR TO ANY WORK, THE CONTRACTOR SHALL SUBMIT A TRAFFIC PLAN TO RIPTA AND CCRI FOR REVIEW AND APPROVAL.
2. CONTRACTOR TO COORDINATE PEDESTRIAN ACCESS DURING CONSTRUCTION WITH RIPTA AND CCRI.

GRADING AND UTILITY NOTES:

1. UNDERGROUND UTILITIES EXIST WITHIN THE PROJECT LIMITS. BEFORE COMMENCING ANY SITE WORK ACTIVITIES CONTACT "DIG SAFE" AT 1-888-DIG-SAFE AND MARK LIBUTTI, CCRI KNIGHT CAMPUS COLLEGE PROJECT MANAGER AT (401) 825-2380 TO ASSIST IN THE LOCATION OF UNDERGROUND UTILITIES. CONTRACTOR SHALL PROVIDE AN UNDERGROUND UTILITY LOCATOR TO MARK THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMIT OF DISTURBANCE PRIOR TO COMMENCING WORK. CONTRACTOR SHALL PROVIDE A PLAN IN AUTOCAD FORMAT PREPARED BY A LAND SURVEYOR REGISTERED IN THE STATE OF RHODE ISLAND DEPICTING ALL EXISTING UTILITIES AND MARKINGS PROVIDED BY THE UNDERGROUND UTILITY LOCATOR IN RELATION TO PERMANENT SITE FEATURES.
2. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (TREE ROOTBALLS, PROPOSED CURBING OR LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK. EXCAVATION REQUIRED WITHIN PROXIMITY OF UTILITY LINES OR WITHIN DRIPLINES OF EXISTING TREES TO REMAIN SHALL BE DONE BY HAND, ANY DAMAGE AND INCURRED COSTS DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BOURNE BY THE CONTRACTOR.
2. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES AS SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE. NOTE THAT NOT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL RESPECTIVE UTILITY COMPANIES TO VERIFY AND LOCATE EXISTING UTILITIES.
8. ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS.
9. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
10. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE.
11. ALL DRAINAGE PIPES SHALL BE 12" CLASS III REINFORCED CONCRETE PIPE EXCEPT WHERE NOTED OTHERWISE.
12. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION.
13. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND TEL/DATA DUCT BANKS, ELECTRICAL DUCT BANKS, DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
14. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1/8" PER FOOT UNLESS SPECIFIED.
15. THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND RUNNING SLOPE OF 5% AS SHOWN ON CONSTRUCTION DETAILS AND GRADING PLAN.
16. ALL GRADING AT ACCESSIBLE ROUTES SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) OF 2010, LATEST EDITION.
17. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL ROCK AND BOULDERS UNCOVERED DURING UTILITY INSTALLATION. REFER TO EARTHWORK SPECIFICATION.

STORMWATER MANAGEMENT SYSTEM INSPECTION AND MAINTENANCE NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL EQUIPMENT, MATERIAL, AND LABOR REQUIRED TO CLEAN OUT EXISTING CATCH BASINS AND DRAINAGE LINES PRIOR TO COMMENCING WORK. ALL DEBRIS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND LEGALLY DISPOSED.
2. THE CONTRACTOR SHALL INSPECT ALL DRAINAGE STRUCTURES WEEKLY FOR ACCUMULATION OF TRASH, LITTER, SEDIMENT OR DEBRIS AND CLEAN STRUCTURES IF PRESENT.
3. THE CONTRACTOR SHALL REMOVE TRASH, LITTER, SEDIMENT AND DEBRIS FROM ALL CATCH BASINS, MANHOLES, WATER QUALITY STRUCTURES ON A ROUTINE BASIS, IMMEDIATELY FOLLOWING SITE STABILIZATION AND PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
4. ANY ACCUMULATION OF PONDING WATER IN AREAS WITHIN THE LIMITS OF DISTURBANCE, OTHER THAN DESIGNATED AREAS, SHALL BE REMOVED ACCORDINGLY AND PREVENTED IN THE FUTURE.
5. THE PORTION OF THE STUDENT PARKING LOT AFFECTED BY CONSTRUCTION AND ENTRY DRIVES SHALL BE SWEEPED BY THE CONTRACTOR PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
6. ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO ACCEPTANCE OF THE FINAL PROJECT.

MATERIALS NOTES:

1. PROVIDE EXPANSION JOINTS IN CONCRETE WALK AT 20'-0" ON CENTER AND CONTROL JOINTS AT MINIMUM 5'-0" ON CENTER AS PER SPECIFICATIONS UNLESS OTHERWISE NOTED ON PLANS.
2. CONTRACTOR TO INSTALL EXPANSION JOINTS WHERE CONCRETE MEETS A VERTICAL SURFACE SUCH AS BUILDING WALLS, RETAINING WALLS, CURBS, FOOTINGS, AND EXISTING PAVEMENT.

LAYOUT NOTES:

1. CONTRACTOR SHALL CONTRACT WITH A RHODE ISLAND REGISTERED LAND SURVEYOR TO PROVIDE CONSTRUCTION LAYOUT, AND TO PERFORM BENCHMARK FIELD LEVEL VERIFICATION AND COORDINATE LAYOUT CHECK PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT THE ENGINEER IF ANY DISCREPANCIES ARE FOUND.
2. ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
3. ALL DIMENSIONS FOR LIGHTS, BENCHES, AND TRASH RECEPTACLES ARE TO THE CENTERLINE OF THE OBJECT UNLESS OTHERWISE NOTED.
4. DIMENSIONS TO SITE OR BUILDING WALLS ARE TO THE OUTSIDE (OR EXPOSED) FACE OF WALL UNLESS OTHERWISE NOTED.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE RIPDES GENERAL PERMIT AND ALL OTHER PERMITS OBTAINED FOR THIS PROJECT. CONTRACTOR SHALL COMPLETE ALL RESPONSIBILITIES ASSOCIATED WITH THE SOIL EROSION AND SEDIMENT CONTROL PLAN PREPARED FOR THIS PROJECT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK 2014 REVISION (AS UPDATED).
3. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
4. REQUIRED PERMANENT CONTROL SHALL BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK. SUCH FACILITIES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.
5. CONSTRUCTION WILL BE PHASED TO LIMIT THE AREA OF EXPOSED SOIL AND THE DURATION OF EXPOSURE. ALL DISTURBED AREAS WILL BE TEMPORARILY AND/OR PERMANENTLY STABILIZED WITHIN 14 DAYS FOLLOWING COMPLETION OF GRADING ACTIVITIES.
6. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SPECIFIED IN THE GENERAL PERMIT AND SWPPP THROUGHOUT THE CONSTRUCTION PERIOD.
7. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH STORM EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT.
8. CLEAN AND MAINTAIN SEDIMENTATION CONTROL BARRIERS WHEN SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT OF THE BARRIER. MATERIAL COLLECTED FROM THE SEDIMENTATION BARRIER SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AND UPLAND AREA.
9. WEEKLY INSPECTION LOGS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE PROJECT ENGINEER.
10. THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT RESERVE OF VARIOUS EROSION CONTROL MATERIALS ONSITE AT ALL TIMES FOR EMERGENCY PURPOSES OR ROUTINE MAINTENANCE.
11. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS.
12. SOIL AND OTHER MATERIALS RESULTING FROM SITE CLEARING MAY BE RECYCLED AND/OR REUSED ON THE SITE AS APPROPRIATE. WASTES MATERIALS SHALL BE REMOVED FROM THE SITE.
13. ANTI-TRACKING PADS (RIDOT STD. 9.9.0) SHALL BE ESTABLISHED AT ALL POINTS OF INGRESS AND EGRESS.
14. TEMPORARY DIVERSION (TD) MAY CONSIST OF A DITCH OR SWALE, OR MAY BE ACHIEVED USING WOOD CHIP PILES, COIR LOGS, OR SIMILAR MATERIALS.
15. TEMPORARY SEDIMENT BASINS (TSB) AND TEMPORARY SWALES (TS) SHALL BE SIZED BY THE CONTRACTOR USING THE PARAMETERS CONTAINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL MANUAL.
16. TEMPORARY DIVERSIONS UTILIZED DURING ROADWAY CONSTRUCTION (TDC) MAY CONSIST OF SHALLOW DITCHES OR BARRIERS CONSISTING OF COIR LOGS OR LOW EARTH BERMS.
17. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
18. CATCH BASINS AND STORM DRAINS SHALL BE PROTECTED WITH COMPOST FILTER TUBES (CFT) OR SEDIMENT BAGS IN PAVED AREAS UNTIL CONTRIBUTING AREA IS PERMANENTLY STABILIZED.
19. DEWATERING WASTEWATER PUMPED FROM EXCAVATIONS WILL BE CONVEYED BY HOSE TO AN UPLAND AREA AND DISCHARGED INTO A DEWATERING BASIN (RIDOT STD 9.7.0), HAY BALE CORRALS, OR SEDIMENTATION BAGS. THE CONTRACTOR SHALL TEST THE DEWATERING WASTEWATER FOR CONTAMINANTS PRIOR TO DISCHARGING. THE CONTRACTOR IS RESPONSIBLE FOR ALL ENGINEERING, EQUIPMENT, MATERIAL, AND LABOR REQUIRED FOR THIS PROJECT PROPOSED SITE WATER REMOVAL DURING CONSTRUCTION.
20. CONSTRUCTION SITE WASTE MATERIALS WILL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE AT A LOCATION IN ACCORDANCE WITH THE LOCAL AND STATE REGULATIONS.
21. RIPRAP OR OTHER VELOCITY CONTROL DEVICES WILL BE USED WHERE NECESSARY TO CONTROL EROSION.
22. ANY EQUIPMENT THAT IS NOT READILY MOBILE (TRACK MACHINERY) SHALL BE PARKED WITHIN THE PROJECT LIMIT OF DISTURBANCE. LARGE AND/OR BULKY MATERIALS WILL BE STORED SUCH THAT THEY WILL NOT INTERFERE WITH THE ONGOING CONSTRUCTION ACTIVITY AND EROSION CONTROL MEASURES.
23. NEWLY VEGETATED AREAS SHALL BE REGULARLY INSPECTED AND MAINTAINED TO ENSURE THE ESTABLISHMENT OF STABLE VEGETATED SURFACES.
24. THE CONTRACTOR SHALL NOT REMOVE ANY EROSION CONTROLS UNTIL THE CONTRIBUTING AREA IS PERMANENTLY STABILIZED.

<div><div>Michael Baker</div><div>INTERNATIONAL</div></div> <div>56 Exchange Terrace 4th Floor, Suite 400 Providence, RI 02903 (401) 824-3600 MBAKERINTL.COM</div>	<div><div>RIPTA</div><div>RHODE ISLAND PUBLIC TRANSIT AUTHORITY</div></div>	DESIGNED BY: JC	SCALE: N/A	RIPTA-CCRI ENHANCED BUS SERVICE PROJECT	
		CHECKED BY: DF		WARWICK	
		DATE: 02/15/2023		DRAWING TITLE:	
		SHEET: 002		CIVIL NOTES	
		OF: 027			RHODE ISLAND
					DRAWING NO.
					C-001



REFERENCES:

1. PLANS ENTITLED 'KNIGHT CAMPUS, CCRI RENEWAL--PHASE 1, 400 EAST AVENUE, WARWICK, R.I., PREPARED BY BREWSTER THORNTON GROUP AND PARE CORPORATION, DATED 10/20/2014.
2. PLANS ENTITLED 'TRAFFIC SAFETY UPGRADES -- CCRI KNIGHT CAMPUS ENTRY RENEWAL, 400 EAST AVENUE, WARWICK, R.I., PREPARED BY BREWSTER THORNTON GROUP AND PARE CORPORATION, DATED 3/15/2017.
3. THE EXISTING CONDITIONS PLAN PREPARED FOR THIS DESIGN IS BASED ON A DATA ACCUMULATION SURVEY PERFORMED IN MARCH 2022; REVISED NOVEMBER 2022 BY MICHAEL BAKER INTERNATIONAL.
4. HORIZONTAL AND VERTICAL CONTROL DATUMS ARE BASED ON SURVEY CONTROL INFORMATION REFERENCED FROM THE ABOVE NOTED PLANS.

GENERAL NOTES:

1. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION AMENDED MARCH 2018, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. ALL WORK SHALL CONFORM TO RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE CONTRACT SPECIFICATIONS.
2. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND ARCHITECT AS REQUIRED.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ALL OPEN EXCAVATED AREAS IN ACCORDANCE WITH OSHA STANDARDS.
4. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR IS TO IMMEDIATELY CONTACT AND COORDINATE WITH THE ENGINEER AND OWNER.
5. ANY AREA OUTSIDE OF THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
6. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.
7. EXCAVATED ROCK, UNSUITABLE EXCAVATED MATERIALS, AND EXCESS MATERIAL SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF.
8. THE CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGE AND/OR DISTURBANCES TO ADJACENT PROPERTY BEYOND THE LIMIT OF WORK. ACTUAL DAMAGE TO THESE AREAS, CAUSED BY THE CONTRACTOR, SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO RIPTA OR CCRI.
9. THE CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGE AND/OR DISTURBANCE TO EXISTING TREES AND SHRUBS NOT OTHERWISE DESIGNATED FOR REMOVAL.
10. PLANTS DESIGNATED TO REMAIN SHALL BE PROTECTED BY THE PLACEMENT OF A TREE PROTECTION FENCE ENCLOSURE AROUND SHRUBS, OR AT THE DRIP LINE OF EACH TREE. PLACE TREE PROTECTION ADDITIONALLY AT ALL OTHER LOCATIONS WHERE TREES AND/OR SHRUBS MAY BE JEOPARDIZED BY CONSTRUCTION ACTIVITIES.
11. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED IN ACCORDANCE WITH DETAILS AS SHOWN.

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT AND CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED DRAWINGS.
2. ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. CONTRACTOR TO COORDINATE ALL UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH WORK.
3. THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICE DURING THE CONSTRUCTION OPERATION WITHOUT THE APPROVAL OF THE OWNER.
4. WATER, SEWER, DRAINAGE AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE UNTIL PROPOSED IMPROVEMENTS ARE CONSTRUCTED AND ONLINE. WHEN CONNECTING TO ACTIVE OR RELOCATED UTILITIES, SHUTDOWNS SHALL BE MINIMIZED AND COMPLETED OFF HOURS AND COORDINATED WITH THE OWNER.

CONSTRUCTION NOTES:

1. COORDINATION OF MAINTAINING TRAFFIC AND EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. PRIOR TO ANY WORK, THE CONTRACTOR SHALL SUBMIT A TRAFFIC PLAN TO RIPTA AND CCRI FOR REVIEW AND APPROVAL.
2. CONTRACTOR TO COORDINATE PEDESTRIAN ACCESS DURING CONSTRUCTION WITH RIPTA AND CCRI.

GRADING AND UTILITY NOTES:

1. UNDERGROUND UTILITIES EXIST WITHIN THE PROJECT LIMITS. BEFORE COMMENCING ANY SITE WORK ACTIVITIES CONTACT "DIG SAFE" AT 1-888-DIG-SAFE AND MARK LIBUTTI, CCRI KNIGHT CAMPUS COLLEGE PROJECT MANAGER AT (401) 825-2380 TO ASSIST IN THE LOCATION OF UNDERGROUND UTILITIES. CONTRACTOR SHALL PROVIDE AN UNDERGROUND UTILITY LOCATOR TO MARK THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMIT OF DISTURBANCE PRIOR TO COMMENCING WORK. CONTRACTOR SHALL PROVIDE A PLAN IN AUTOCAD FORMAT PREPARED BY A LAND SURVEYOR REGISTERED IN THE STATE OF RHODE ISLAND DEPICTING ALL EXISTING UTILITIES AND MARKINGS PROVIDED BY THE UNDERGROUND UTILITY LOCATOR IN RELATION TO PERMANENT SITE FEATURES.
2. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (TREE ROOTBALLS, PROPOSED CURBING OR LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK. EXCAVATION REQUIRED WITHIN PROXIMITY OF UTILITY LINES OR WITHIN DRIPLINES OF EXISTING TREES TO REMAIN SHALL BE DONE BY HAND, ANY DAMAGE AND INCURRED COSTS DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BOURNE BY THE CONTRACTOR.
3. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL COMPANIES AND CCRI ARE PROPERLY NOTIFIED IN ADVANCE. NOTE THAT NOT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL RESPECTIVE UTILITY COMPANIES AND CCRI TO VERIFY AND LOCATE EXISTING UTILITIES.
4. ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS.
5. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
6. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE.
7. ALL DRAINAGE PIPES SHALL BE 12" CLASS III REINFORCED CONCRETE PIPE EXCEPT WHERE NOTED OTHERWISE.
8. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION.
9. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND TEL/DATA DUCT BANKS, ELECTRICAL DUCT BANKS, DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
10. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1/8" PER FOOT UNLESS SPECIFIED.
11. A 1.75% TYPICAL CROSS-SLOPE HAS BEEN USED FOR PROPOSED WALKWAYS. FINAL CONSTRUCTED WALKWAYS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 2.00% AND RUNNING SLOPE OF 5.00%.
12. ALL GRADING AT ACCESSIBLE ROUTES SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) OF 2010, LATEST EDITION.
13. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL ROCK AND BOULDERS UNCOVERED DURING UTILITY INSTALLATION. REFER TO EARTHWORK SPECIFICATION.

STORMWATER MANAGEMENT SYSTEM INSPECTION AND MAINTENANCE NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL EQUIPMENT, MATERIAL, AND LABOR REQUIRED TO CLEAN OUT EXISTING CATCH BASINS AND DRAINAGE LINES PRIOR TO COMMENCING WORK. ALL DEBRIS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND LEGALLY DISPOSED.
2. THE CONTRACTOR SHALL INSPECT ALL DRAINAGE STRUCTURES WEEKLY AND AFTER STORM EVENTS FOR ACCUMULATION OF TRASH, LITTER, SEDIMENT OR DEBRIS AND CLEAN STRUCTURES IF PRESENT.
3. THE CONTRACTOR SHALL REMOVE TRASH, LITTER, SEDIMENT AND DEBRIS FROM ALL CATCH BASINS, MANHOLES, WATER QUALITY STRUCTURES ON A ROUTINE BASIS OR AS NEEDED, IMMEDIATELY FOLLOWING SITE STABILIZATION AND PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
4. ANY ACCUMULATION OF PONDING WATER IN AREAS WITHIN THE LIMITS OF DISTURBANCE, OTHER THAN DESIGNATED AREAS, SHALL BE REMOVED ACCORDINGLY AND PREVENTED IN THE FUTURE.
5. THE PORTION OF THE STUDENT PARKING LOT AFFECTED BY CONSTRUCTION AND ENTRY DRIVES SHALL BE SWEEPED BY THE CONTRACTOR PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
6. ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO ACCEPTANCE OF THE FINAL PROJECT.

MATERIALS NOTES:

1. PROVIDE EXPANSION JOINTS IN CONCRETE WALK AT 20'-0" ON CENTER AND CONTROL JOINTS AT MINIMUM 5'-0" ON CENTER AS PER SPECIFICATIONS UNLESS OTHERWISE NOTED ON PLANS.
2. CONTRACTOR TO INSTALL EXPANSION JOINTS WHERE CONCRETE MEETS A VERTICAL SURFACE SUCH AS BUILDING WALLS, RETAINING WALLS, CURBS, FOOTINGS, AND EXISTING PAVEMENT.

LAYOUT NOTES:

1. CONTRACTOR SHALL CONTRACT WITH A RHODE ISLAND REGISTERED LAND SURVEYOR TO PROVIDE CONSTRUCTION LAYOUT, AND TO PERFORM BENCHMARK FIELD LEVEL VERIFICATION AND COORDINATE LAYOUT CHECK PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT THE ENGINEER IF ANY DISCREPANCIES ARE FOUND.
2. ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
3. ALL DIMENSIONS FOR LIGHTS, BENCHES, AND TRASH RECEPTACLES ARE TO THE CENTERLINE OF THE OBJECT UNLESS OTHERWISE NOTED.
4. DIMENSIONS TO SITE OR BUILDING WALLS ARE TO THE OUTSIDE (OR EXPOSED) FACE OF WALL UNLESS OTHERWISE NOTED.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE RIPTA'S GENERAL PERMIT. CONTRACTOR SHALL COMPLETE ALL RESPONSIBILITIES ASSOCIATED WITH THE SITE PREPARATION PLAN PREPARED FOR THIS PROJECT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK 2014 REVISION (AS UPDATED).
3. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
4. REQUIRED PERMANENT CONTROL SHALL BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK. SUCH FACILITIES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.
5. CONSTRUCTION WILL BE PHASED TO LIMIT THE AREA OF EXPOSED SOIL AND THE DURATION OF EXPOSURE. ALL DISTURBED AREAS WILL BE TEMPORARILY AND/OR PERMANENTLY STABILIZED WITHIN 14 DAYS FOLLOWING COMPLETION OF GRADING ACTIVITIES.
6. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SPECIFIED IN THE SITE PREPARATION PLAN THROUGHOUT THE CONSTRUCTION PERIOD.
7. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH STORM EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT.
8. CLEAN AND MAINTAIN SEDIMENTATION CONTROL BARRIERS WHEN SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT OF THE BARRIER. MATERIAL COLLECTED FROM THE SEDIMENTATION BARRIER SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AND UPLAND AREA.
9. WEEKLY INSPECTION LOGS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE PROJECT ENGINEER.
10. THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT RESERVE OF VARIOUS EROSION CONTROL MATERIALS ONSITE AT ALL TIMES FOR EMERGENCY PURPOSES OR ROUTINE MAINTENANCE.
11. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS.
12. SOIL AND OTHER MATERIALS RESULTING FROM SITE CLEARING MAY BE RECYCLED AND/OR REUSED ON THE SITE AS APPROPRIATE. WASTES MATERIALS SHALL BE REMOVED FROM THE SITE.
13. ANTI--TRACKING PADS (RIDOT STD. 9.9.0) SHALL BE ESTABLISHED AT ALL POINTS OF INGRESS AND EGRESS.
14. TEMPORARY DIVERSION (TD) MAY CONSIST OF A DITCH OR SWALE, OR MAY BE ACHIEVED USING WOOD CHIP PILES, COIR LOGS, OR SIMILAR MATERIALS.
15. TEMPORARY SEDIMENT BASINS (TSB) AND TEMPORARY SWALES (TS) SHALL BE SIZED BY THE CONTRACTOR USING THE PARAMETERS CONTAINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL MANUAL.
16. TEMPORARY DIVERSIONS UTILIZED DURING ROADWAY CONSTRUCTION (TDC) MAY CONSIST OF SHALLOW DITCHES OR BARRIERS CONSISTING OF COIR LOGS OR LOW EARTH BERMS.
17. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
18. CATCH BASINS AND STORM DRAINS SHALL BE PROTECTED WITH SEDIMENT BAGS IN PAVED AREAS UNTIL CONTRIBUTING AREA IS PERMANENTLY STABILIZED. COMPOST FILTER TUBES (CFT) MAY BE ADDED BASED ON WORK, SITE CONDITIONS, AND WEATHER.
19. DEWATERING WASTEWATER PUMPED FROM EXCAVATIONS WILL BE CONVEYED BY HOSE TO AN UPLAND AREA AND DISCHARGED INTO A DEWATERING BASIN (RIDOT STD 9.7.0), HAY BALE CORRALS, OR SEDIMENTATION BAGS. THE CONTRACTOR SHALL TEST THE DEWATERING WASTEWATER FOR CONTAMINANTS PRIOR TO DISCHARGING. THE CONTRACTOR IS RESPONSIBLE FOR ALL ENGINEERING, EQUIPMENT, MATERIAL, AND LABOR REQUIRED FOR THIS PROJECT PROPOSED SITE WATER REMOVAL DURING CONSTRUCTION.
20. CONSTRUCTION SITE WASTE MATERIALS WILL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE AT A LOCATION IN ACCORDANCE WITH THE LOCAL AND STATE REGULATIONS.
21. RIPRAP OR OTHER VELOCITY CONTROL DEVICES WILL BE USED WHERE NECESSARY TO CONTROL EROSION.
22. ANY EQUIPMENT THAT IS NOT READILY MOBILE (TRACK MACHINERY) SHALL BE PARKED WITHIN THE PROJECT LIMIT OF DISTURBANCE. LARGE AND/OR BULKY MATERIALS WILL BE STORED SUCH THAT THEY WILL NOT INTERFERE WITH THE ONGOING CONSTRUCTION ACTIVITY AND EROSION CONTROL MEASURES.
23. NEWLY VEGETATED AREAS SHALL BE REGULARLY INSPECTED AND MAINTAINED TO ENSURE THE ESTABLISHMENT OF STABLE VEGETATED SURFACES.
24. THE CONTRACTOR SHALL NOT REMOVE ANY EROSION CONTROLS UNTIL THE CONTRIBUTING AREA IS PERMANENTLY STABILIZED.

ADDENDUM NO. 03

<div>Michael Baker INTERNATIONAL</div> <div>56 Exchange Terrace 4th Floor, Suite 400 Providence, RI 02903 (401) 824-3600 MBAKERINTL.COM</div>	<div>DAVID B. FREEMAN</div> <div></div> <div>REGISTERED PROFESSIONAL ENGINEER</div>	<div></div> <div>RHODE ISLAND PUBLIC TRANSIT AUTHORITY</div>	<div>DESIGNED BY: JC</div> <div>CHECKED BY: DF</div> <div>DATE: 02/15/2023</div> <div>SHEET: 002</div> <div>OF: 027</div>	SCALE: N/A	RIPTA-CCRI ENHANCED BUS SERVICE PROJECT																																					
					WARWICK	RHODE ISLAND																																				
				<table><tr><th colspan="4">REVISIONS</th><th colspan="4">REVISIONS</th></tr><tr><th>NO.</th><th>DATE</th><th>BY</th><th></th><th>NO.</th><th>DATE</th><th>BY</th><th></th></tr><tr><td>01</td><td>3/13/23</td><td>JC</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	REVISIONS				REVISIONS				NO.	DATE	BY		NO.	DATE	BY		01	3/13/23	JC																			
REVISIONS				REVISIONS																																						
NO.	DATE	BY		NO.	DATE	BY																																				
01	3/13/23	JC																																								
CIVIL NOTES							C-001																																			







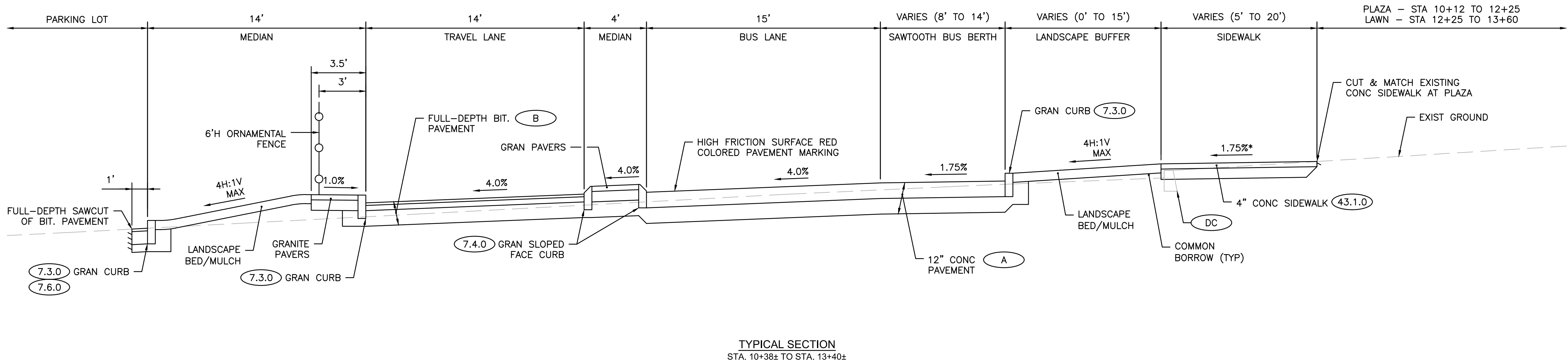
- NOTES:**
1. PAVEMENT DETAILS:

A

"CONCRETE PAVEMENT"  
(12") PORTLAND CEMENT CONCRETE PAVEMENT OVER  
(12") GRAVEL BORROW SUBBASE (TYPE 1A)

B

"FULL DEPTH BITUMINOUS PAVEMENT"  
(2") MODIFIED CLASS 9.5 HMA OVER  
(4") CLASS 19.0 HMA OVER  
(12") GRAVEL BORROW SUBBASE (TYPE 1A)
2. REFER TO GRADING & DRAINAGE PLAN DRAWING C-111 FOR ADDITIONAL SLOPE AND SPOT ELEVATIONS AT BUS/TRAVEL LANE ENTRY AND EXIT INTERSECTIONS.



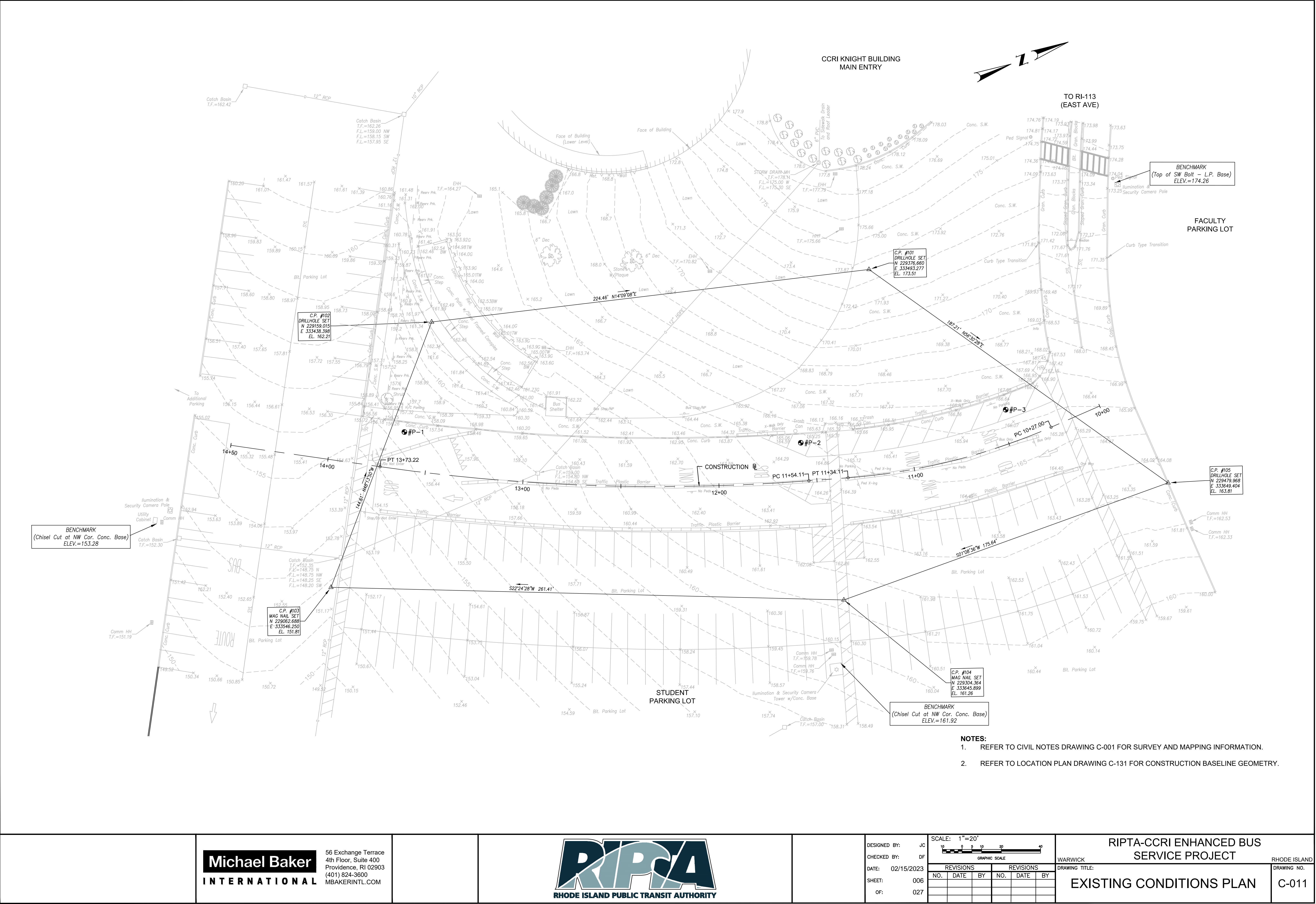


(603) 437-1610		New England Boring Contractors				Fax: (603) 437-0034			
		P.O. Box 165							
		Derry, NH 03038							
		E-Mail: nebc@neboring.com							
Boring # P-1		Project: RIPTA - CCRI				Project # 49587			
Project Address: URI		City: Warwick		State: RI		Zip: 02886			
Date Start: 11/14/2022		Date End: 11/14/2022		Location: See Plan					
Casing Type & size: HW 4"ID		Sampler: SS 1 3/8		Auger					
Hammer wt.: 300lb.		Hammer wt.: 140lb.		Size: 2.25"					
Hammer fall: 30".		Hammer fall: 30".							
GROUNDWATER OBSERVATION									
Date:	Depth: N/A		Casing:		Stabilization Period				
DP	S#	DEPTH	PEN	REC	BLOWS/6"	S/C	SAMPLE DESCRIPTION		
-		0' - 2'					Auger Probe, no sampling. Very dense brown, fine to medium SAND and GRAVEL.		
-		2' - 5.6'					Medium dense, brown, fine to medium SAND, some Gravel.		
-									
-									
5'0"							REFUSAL at 5'6"		
-							B.O.E. 5'6"		
-									
-									
-									
10'0"									
-									
-									
-									
-									
15'0"									
Driller: Chris Knight		Helpers: Jacob Sylvia		Inspector:					
Remarks: Rig type B-53									
S/#: Sample		PEN: Penetration		REC: Recovery		S/C: Strata Change			

(603) 437-1610		New England Boring Contractors				Fax: (603) 437-0034			
		P.O. Box 165							
		Derry, NH 03038							
		E-Mail: nebc@neboring.com							
Boring # P-2		Project: RIPTA - CCRI				Project # 49587			
Project Address: URI		City: Warwick		State: RI		Zip: 02886			
Date Start: 11/14/2022		Date End: 11/14/2022		Location: See Plan					
Casing Type & size: HW 4"ID		Sampler: SS 1 3/8		Auger					
Hammer wt.: 300lb.		Hammer wt.: 140lb.		Size: 2.25"					
Hammer fall: 30".		Hammer fall: 30".							
GROUNDWATER OBSERVATION									
Date:	Depth: N/A		Casing:		Stabilization Period				
DP	S#	DEPTH	PEN	REC	BLOWS/6"	S/C	SAMPLE DESCRIPTION		
-		0' - 2'					Auger Probe, no sampling. Very dense, brown, fine to medium SAND and GRAVEL.		
-		2' - 6'					Medium dense, brown, fine to medium SAND and SILT, some Gravel.		
-									
-									
5'0"							REFUSAL at 6'		
-							B.O.E. 6'		
-									
-									
-									
10'0"									
-									
-									
-									
-									
15'0"									
Driller: Chris Knight		Helpers: Jacob Sylvia		Inspector:					
Remarks: Rig type B-53									
S/#: Sample		PEN: Penetration		REC: Recovery		S/C: Strata Change			

(603) 437-1610		New England Boring Contractors				Fax: (603) 437-0034			
		P.O. Box 165							
		Derry, NH 03038							
		E-Mail: nebc@neboring.com							
Boring # P-3		Project: RIPTA - CCRI				Project # 49587			
Project Address: URI		City: Warwick		State: RI		Zip: 02886			
Date Start: 11/14/2022		Date End: 11/14/2022		Location: See Plan					
Casing Type & size: HW 4"ID		Sampler: SS 1 3/8		Auger					
Hammer wt.: 300lb.		Hammer wt.: 140lb.		Size: 2.25"					
Hammer fall: 30".		Hammer fall: 30".							
GROUNDWATER OBSERVATION									
Date:	Depth: N/A		Casing:		Stabilization Period				
DP	S#	DEPTH	PEN	REC	BLOWS/6"	S/C	SAMPLE DESCRIPTION		
-		0' - 2'					Auger Probe, no sampling. Very dense, brown, fine to medium SAND and GRAVEL.		
-		2' - 14'					Brown, fine to medium SAND and SILT, some fine GRAVEL		
-									
-									
5'0"							REFUSAL at 14'		
-							B.O.E. 14'		
-									
15'0"									
Driller: Chris Knight		Helpers: Jacob Sylvia		Inspector:					
Remarks: Rig type B-53									
S/#: Sample		PEN: Penetration		REC: Recovery		S/C: Strata Change			





- NOTES:
1. REFER TO CIVIL NOTES DRAWING C-001 FOR SURVEY AND MAPPING INFORMATION.
  2. REFER TO LOCATION PLAN DRAWING C-131 FOR CONSTRUCTION BASELINE GEOMETRY.

**Michael Baker**  
**INTERNATIONAL**

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 006  
OF: 027

REVISIONS				REVISIONS			
NO.	DATE	BY		NO.	DATE	BY	

RIPTA-CCRI ENHANCED BUS  
SERVICE PROJECT

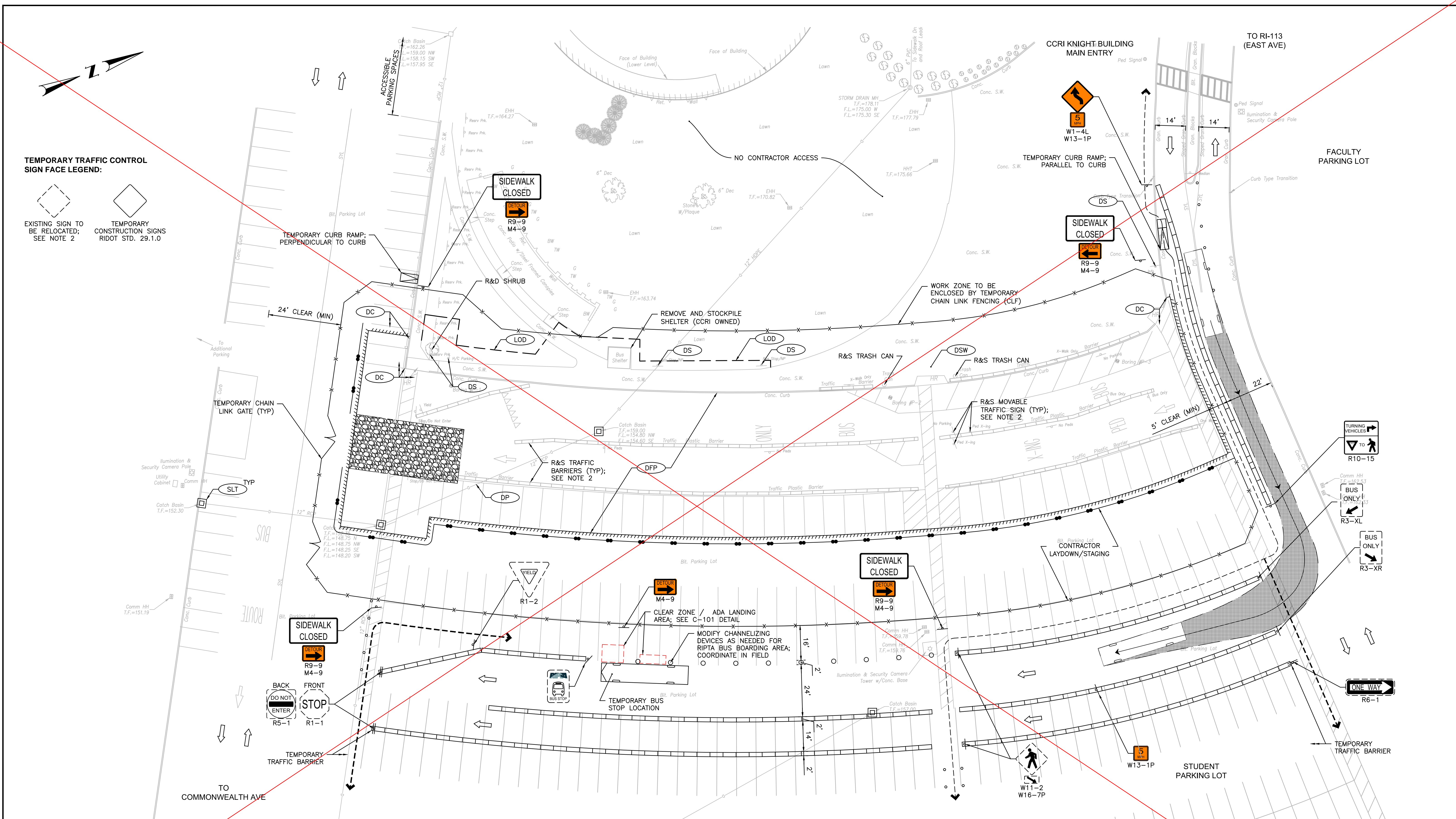
DRAWING TITLE:

EXISTING CONDITIONS PLAN

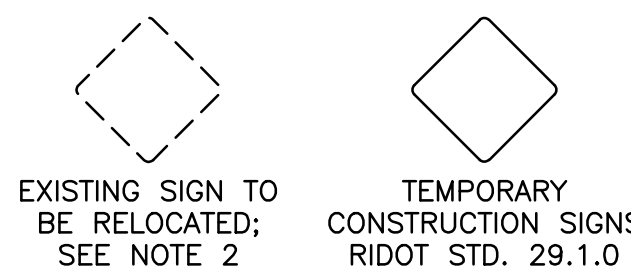
DRAWING NO.

C-011





**TEMPORARY TRAFFIC CONTROL SIGN FACE LEGEND:**



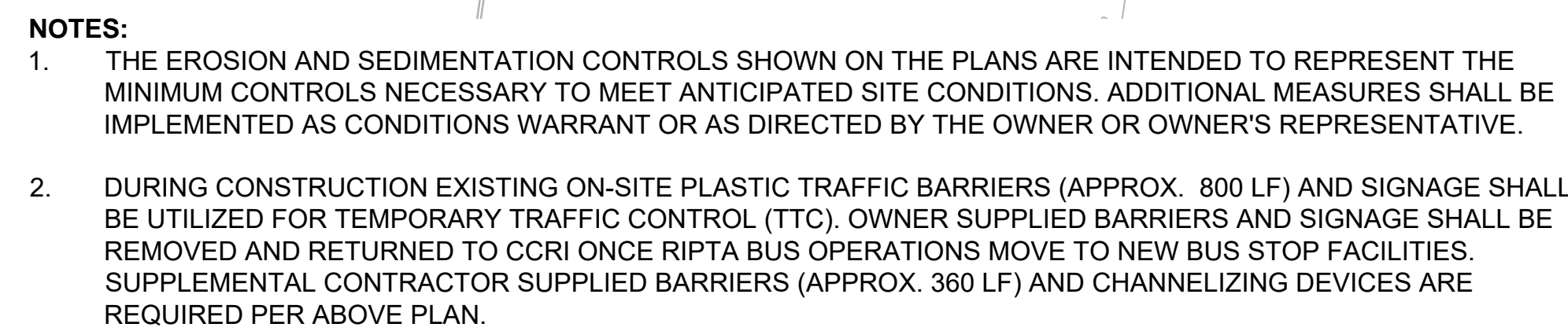
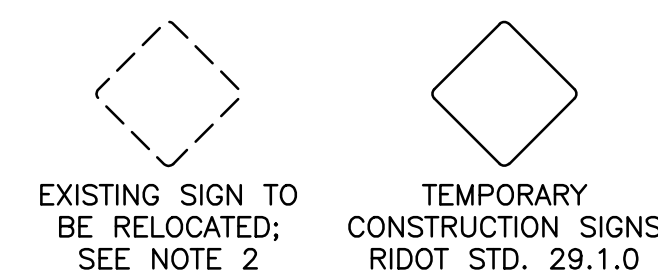
- NOTES:**
1. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
  2. DURING CONSTRUCTION EXISTING ON-SITE PLASTIC TRAFFIC BARRIERS (APPROX. 800 LF) AND SIGNAGE SHALL BE UTILIZED FOR TEMPORARY TRAFFIC CONTROL (TTC). OWNER SUPPLIED BARRIERS AND SIGNAGE SHALL BE REMOVED AND RETURNED TO CCRI ONCE RIPTA BUS OPERATIONS MOVE TO NEW BUS STOP FACILITIES. SUPPLEMENTAL CONTRACTOR SUPPLIED BARRIERS (APPROX. 360 LF) AND CHANNELIZING DEVICES ARE REQUIRED PER ABOVE PLAN.

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN TRAFFIC THROUGHOUT THE CONSTRUCTION PROCESS. THERE WILL BE NO TRAFFIC INTERRUPTIONS ALLOWED WITHOUT PRE-APPROVAL BY THE OWNER.
4. REFER TO SIGNING AND PAVEMENT MARKING DWG C-121 FOR PERMANENT SIGN LOCATIONS AND TYPES.
5. CONSTRUCTION VEHICLES SHALL UTILIZE COMMONWEALTH AVENUE AS PRIMARY ACCESS ROAD ENTERING AND LEAVING THE PROPERTY UNLESS DIRECTED OTHERWISE BY THE OWNER.
6. WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED OR RELOCATED DURING CONSTRUCTION, THE TEMPORARY FACILITIES SHALL BE DETECTABLE AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.












- LEGEND:**
- |  |                                      |  |                               |
|--|--------------------------------------|--|-------------------------------|
|  | CONSTRUCTION ACCESS / ANTI-TRACK PAD |  | SILT SACK                     |
|  | COMPOST FILTER SOCK                  |  | DRUM BARRICADE / TRAFFIC CONE |
|  | TEMPORARY CHAIN LINK FENCE           |  | TEMPORARY CONSTRUCTION SIGN   |
|  | PEDESTRIAN PATH                      |  | TRAFFIC FLOW DIRECTION        |

<b>Michael Baker INTERNATIONAL</b> 56 Exchange Terrace 4th Floor, Suite 400 Providence, RI 02903 (401) 824-3600 MBAKERINTL.COM		DESIGNED BY: JC	SCALE: 1"=20'	RIPTA-CCRI ENHANCED BUS SERVICE PROJECT		WARWICK
		CHECKED BY: DF	GRAPHIC SCALE	DRAWING TITLE:		DRAWING NO.
		DATE: 02/15/2023	REVISIONS	C-021		
SHEET: 007	NO. DATE BY	NO. DATE BY				
OF: 027						



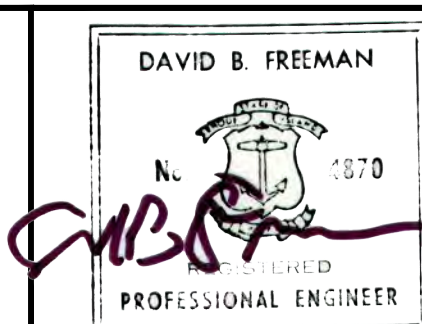


3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN TRAFFIC THROUGHOUT THE CONSTRUCTION PROCESS. THERE WILL BE NO TRAFFIC INTERRUPTIONS ALLOWED WITHOUT PRE-APPROVAL BY THE OWNER.
4. REFER TO SIGNING AND PAVEMENT MARKING DWG C-121 FOR PERMANENT SIGN LOCATIONS AND TYPES.
5. CONSTRUCTION VEHICLES SHALL UTILIZE COMMONWEALTH AVENUE AS PRIMARY ACCESS ROAD ENTERING AND LEAVING THE PROPERTY UNLESS DIRECTED OTHERWISE BY THE OWNER.
6. WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED OR RELOCATED DURING CONSTRUCTION, THE TEMPORARY FACILITIES SHALL BE DETECTABLE AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.

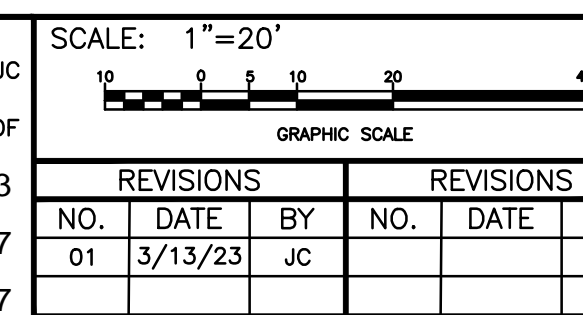
	CONSTRUCTION ACCESS / ANTI-TRACK PAD			SILT SACK	
	COMPOST FILTER SOCK			DRUM BARRICADE / TRAFFIC CONE	
	TEMPORARY CHAIN LINK FENCE			TEMPORARY CONSTRUCTION SIGN	
	PEDESTRIAN PATH			TRAFFIC FLOW DIRECTION	

**Michael Baker**  
INTERNATIONAL

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



DESIGNED BY: J  
CHECKED BY: D  
DATE: 02/15/2023  
SHEET: 007  
OF: 027



WARWICK
DRAWING TITLE:

RIPTA-CCRI ENHANCED BUS  
SERVICE PROJECT

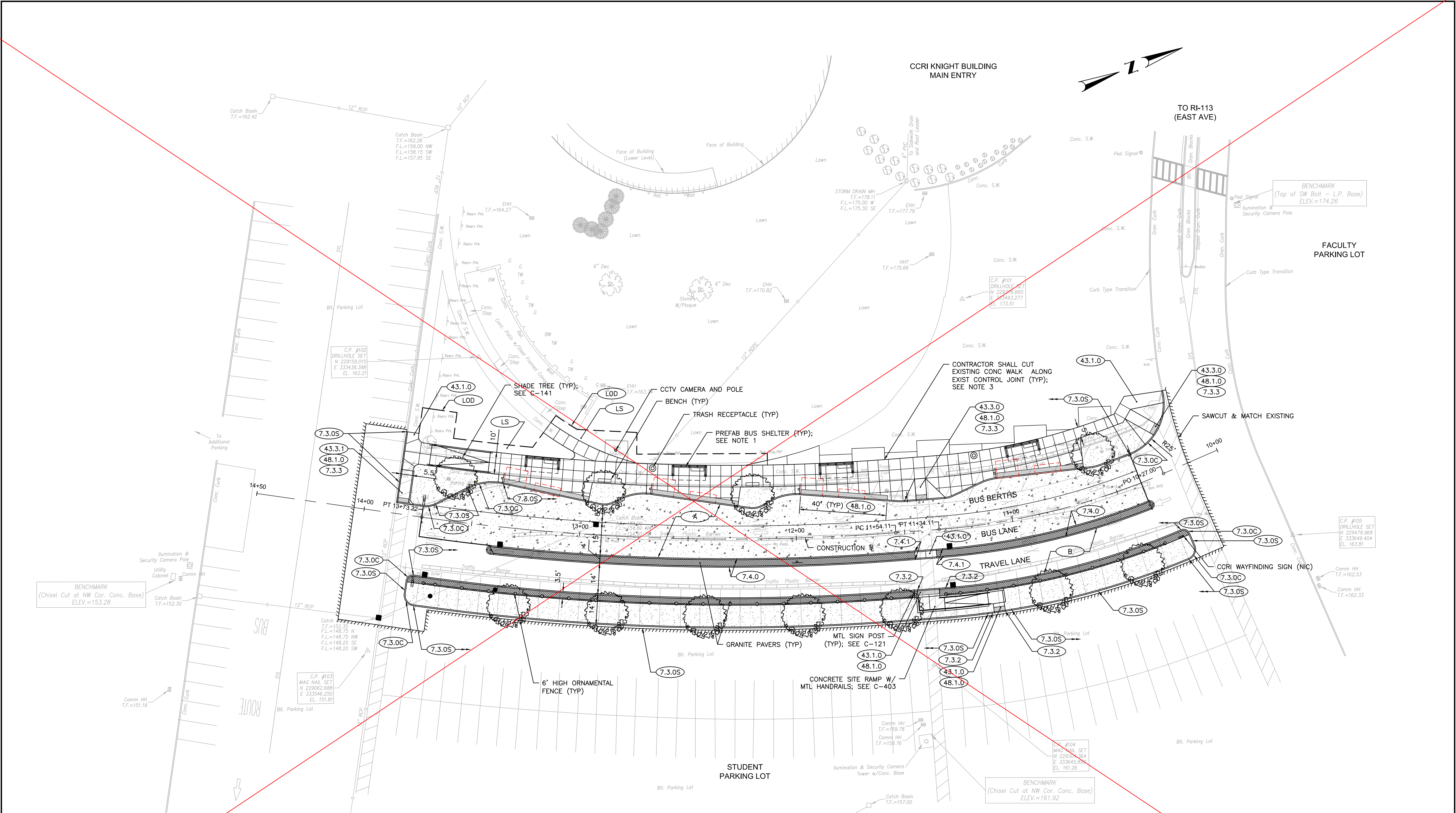
RHODE ISLAND

## SITE PREPARATION PLAN

DRAWING NO.

C-021





- NOTES:**
- SEE DRAWING C-401 FOR BUS SHELTER PLAN AND ELEVATION.
  - INCREASE CONCRETE SIDEWALK THICKNESS AT SHELTERS AND BENCHES TO 6".
  - EXISTING CONCRETE PLAZA JOINT LINES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL SAWCUT AT EXISTING CONTROL JOINT(S) AND INSTALL EXPANSION JOINT.

**LEGEND:**

	CONCRETE PAVEMENT	A
	DETECTABLE WARNING PANEL	48.1.0
	GRANITE PAVERS	
	LANDSCAPE BED/MULCH	

18.5'

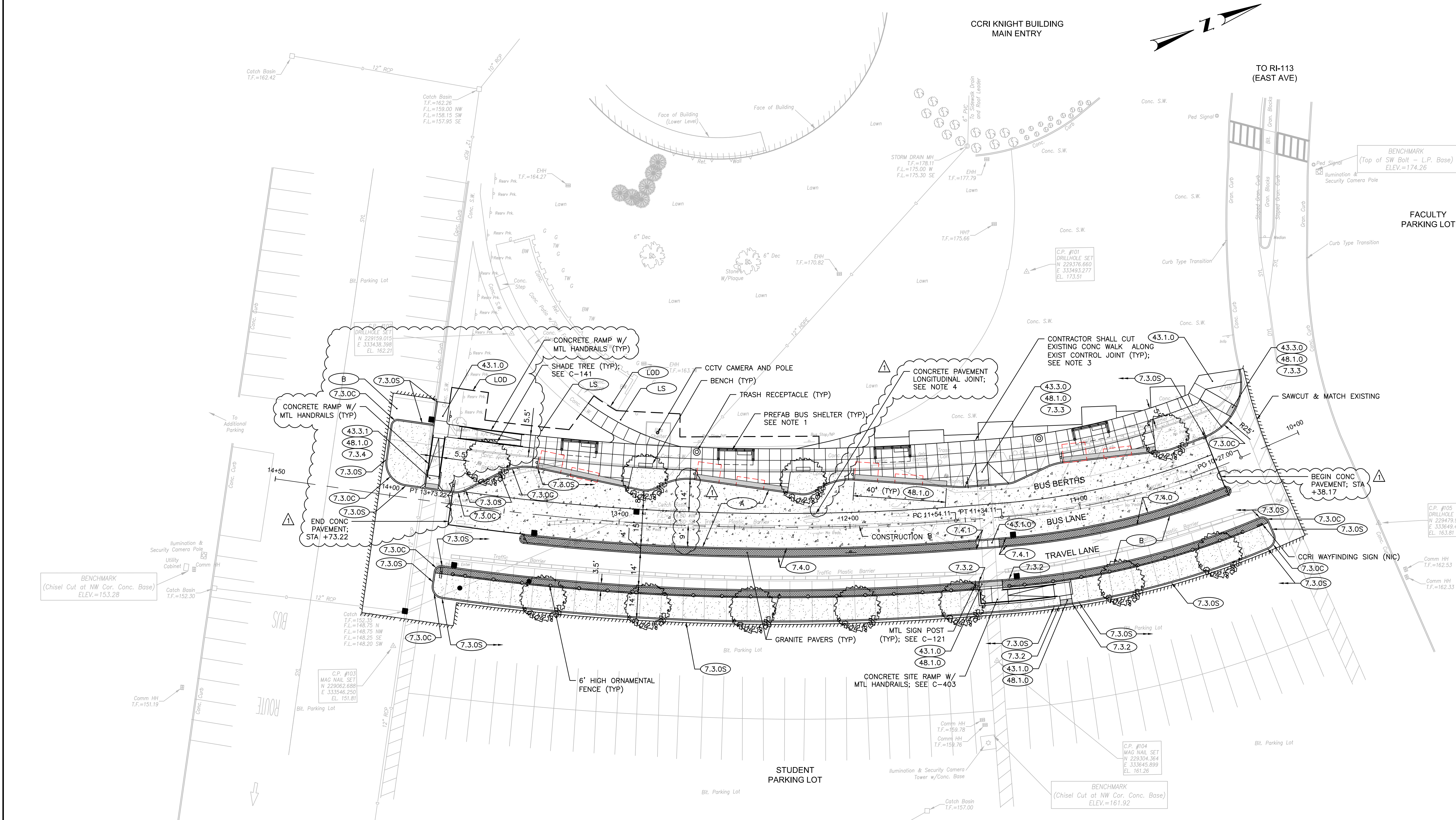
10'x8' 12'x4'

**CLEAR ZONE / ADA LANDING AREA\***

\* BUS STOP ADA LANDING AREA SHOWN BASED ON 2017 RHODE ISLAND BUS STOP DESIGN GUIDE WHICH REQUIRES A 10-FOOT WIDE BY 8-FOOT DEEP LANDING AREA AT THE VEHICLE FRONT DOOR IN ORDER TO PROVIDE SUFFICIENT BOARDING AND ALIGHTING SPACE.

 56 Exchange Terrace 4th Floor, Suite 400 Providence, RI 02903 (401) 824-3600 MBAKERINTL.COM		<table><tr><td>DESIGNED BY:</td><td>JC</td></tr><tr><td>CHECKED BY:</td><td>DF</td></tr><tr><td>DATE:</td><td>02/15/2023</td></tr><tr><td>SHEET:</td><td>008</td></tr><tr><td>OF:</td><td>027</td></tr></table>	DESIGNED BY:	JC	CHECKED BY:	DF	DATE:	02/15/2023	SHEET:	008	OF:	027	<table><tr><td colspan="4">SCALE: 1"=20'</td></tr><tr><td colspan="4"></td></tr><tr><td colspan="2">NO. DATE BY</td><td colspan="2">NO. DATE BY</td></tr><tr><td colspan="2"></td><td colspan="2"></td></tr></table>	SCALE: 1"=20'								NO. DATE BY		NO. DATE BY						<table><tr><td colspan="2">RIPTA-CCRI ENHANCED BUS SERVICE PROJECT</td><td colspan="2">RHODE ISLAND</td></tr><tr><td colspan="2">DRAWING TITLE:</td><td colspan="2">DRAWING NO.</td></tr><tr><td colspan="2">SITE PLAN</td><td colspan="2">C-101</td></tr></table>	RIPTA-CCRI ENHANCED BUS SERVICE PROJECT		RHODE ISLAND		DRAWING TITLE:		DRAWING NO.		SITE PLAN		C-101	
DESIGNED BY:	JC																																									
CHECKED BY:	DF																																									
DATE:	02/15/2023																																									
SHEET:	008																																									
OF:	027																																									
SCALE: 1"=20'																																										
NO. DATE BY		NO. DATE BY																																								
RIPTA-CCRI ENHANCED BUS SERVICE PROJECT		RHODE ISLAND																																								
DRAWING TITLE:		DRAWING NO.																																								
SITE PLAN		C-101																																								





- NOTES:**
- SEE DRAWING C-401 FOR BUS SHELTER PLAN AND ELEVATION.
  - INCREASE CONCRETE SIDEWALK THICKNESS AT SHELTERS AND BENCHES TO 6".
  - EXISTING CONCRETE PLAZA JOINT LINES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL SAWCUT AT EXISTING CONTROL JOINT(S) AND INSTALL EXPANSION JOINT.
  - PROPOSED CONCRETE SIDEWALK AND PAVEMENT JOINT LINES ARE SHOWN FOR PLANNING PURPOSES; REFER TO APPLICABLE SPECIFICATION AND CONSTRUCTION DETAILS FOR PROPER JOINT SPACING AND LAYOUT REQUIREMENTS.
- ADDENDUM NO. 03**

**LEGEND:**

	CONCRETE PAVEMENT	A
	DETECTABLE WARNING PANEL	48.1.0
	GRANITE PAVERS	
	LANDSCAPE BED/MULCH	

18.5'

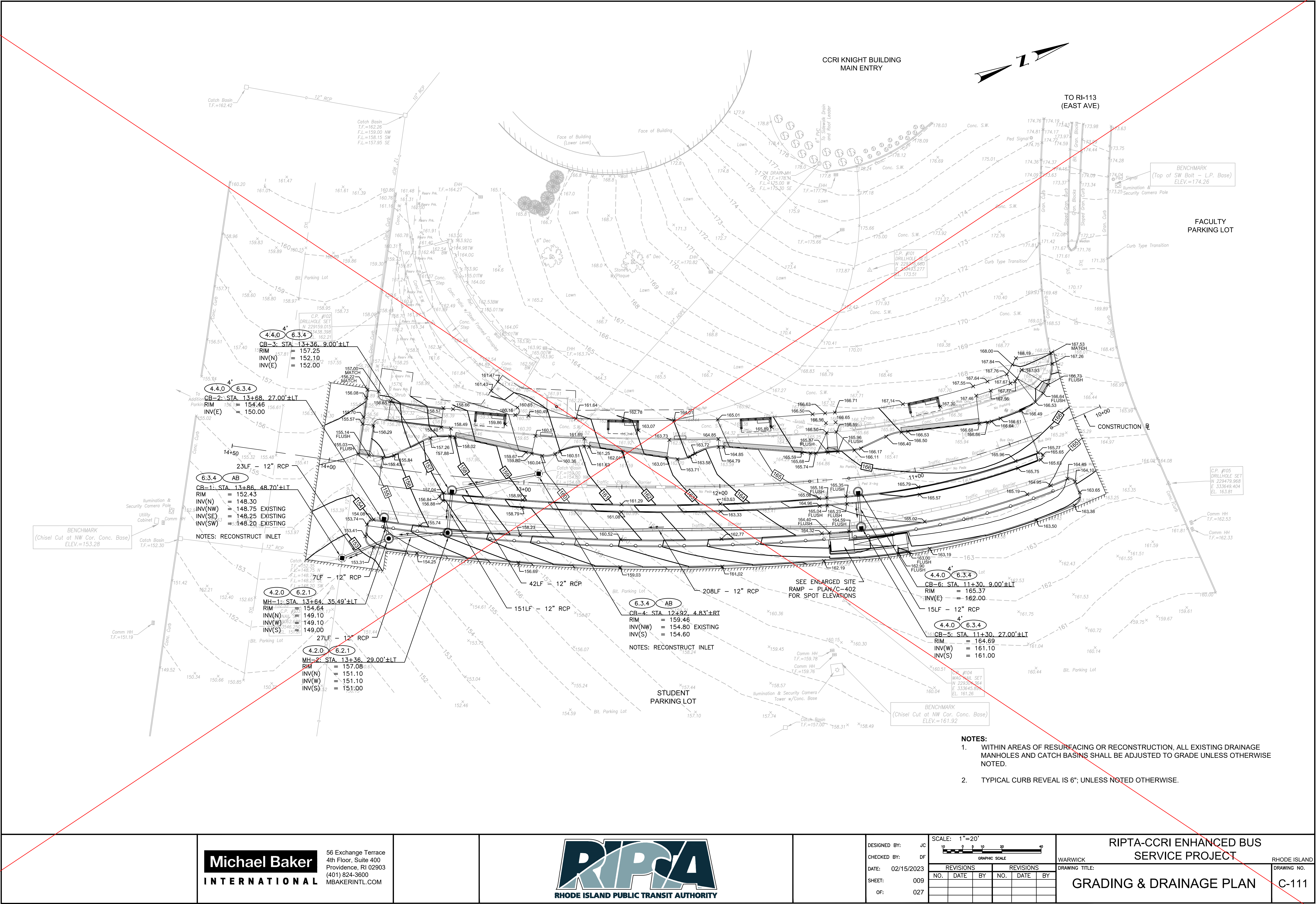
10'x8' 12'x4'

**CLEAR ZONE / ADA LANDING AREA\***

\* BUS STOP ADA LANDING AREA SHOWN BASED ON 2017 RHODE ISLAND BUS STOP DESIGN GUIDE WHICH REQUIRES A 10-FOOT WIDE BY 8-FOOT DEEP LANDING AREA AT THE VEHICLE FRONT DOOR IN ORDER TO PROVIDE SUFFICIENT BOARDING AND ALIGHTING SPACE.

<div><b>Michael Baker International</b> 56 Exchange Terrace 4th Floor, Suite 400 Providence, RI 02903 (401) 824-3600 MBAKERINTL.COM</div> <div><b>DAVID B. FREEMAN</b> N.E.C. 1970 P.E. 00000000 PROFESSIONAL ENGINEER</div>	<div><b>RIPA</b> RHODE ISLAND PUBLIC TRANSIT AUTHORITY</div>	<table><tr><td>DESIGNED BY:</td><td>JC</td></tr><tr><td>CHECKED BY:</td><td>DF</td></tr><tr><td>DATE:</td><td>02/15/2023</td></tr><tr><td>SHEET:</td><td>008</td></tr><tr><td>OF:</td><td>027</td></tr></table> <div><p>SCALE: 1"=20'</p><p>GRAPHIC SCALE</p><table><tr><th colspan="3">REVISIONS</th><th colspan="3">REVISIONS</th></tr><tr><td>NO.</td><td>DATE</td><td>BY</td><td>NO.</td><td>DATE</td><td>BY</td></tr><tr><td>01</td><td>3/13/23</td><td>JC</td><td></td><td></td><td></td></tr></table></div>	DESIGNED BY:	JC	CHECKED BY:	DF	DATE:	02/15/2023	SHEET:	008	OF:	027	REVISIONS			REVISIONS			NO.	DATE	BY	NO.	DATE	BY	01	3/13/23	JC				<div><b>RIPTA-CCRI ENHANCED BUS SERVICE PROJECT</b></div> <div><b>SITE PLAN</b></div> <div><b>C-101</b></div>
DESIGNED BY:	JC																														
CHECKED BY:	DF																														
DATE:	02/15/2023																														
SHEET:	008																														
OF:	027																														
REVISIONS			REVISIONS																												
NO.	DATE	BY	NO.	DATE	BY																										
01	3/13/23	JC																													





**Michael Baker**  
INTERNATIONAL

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM

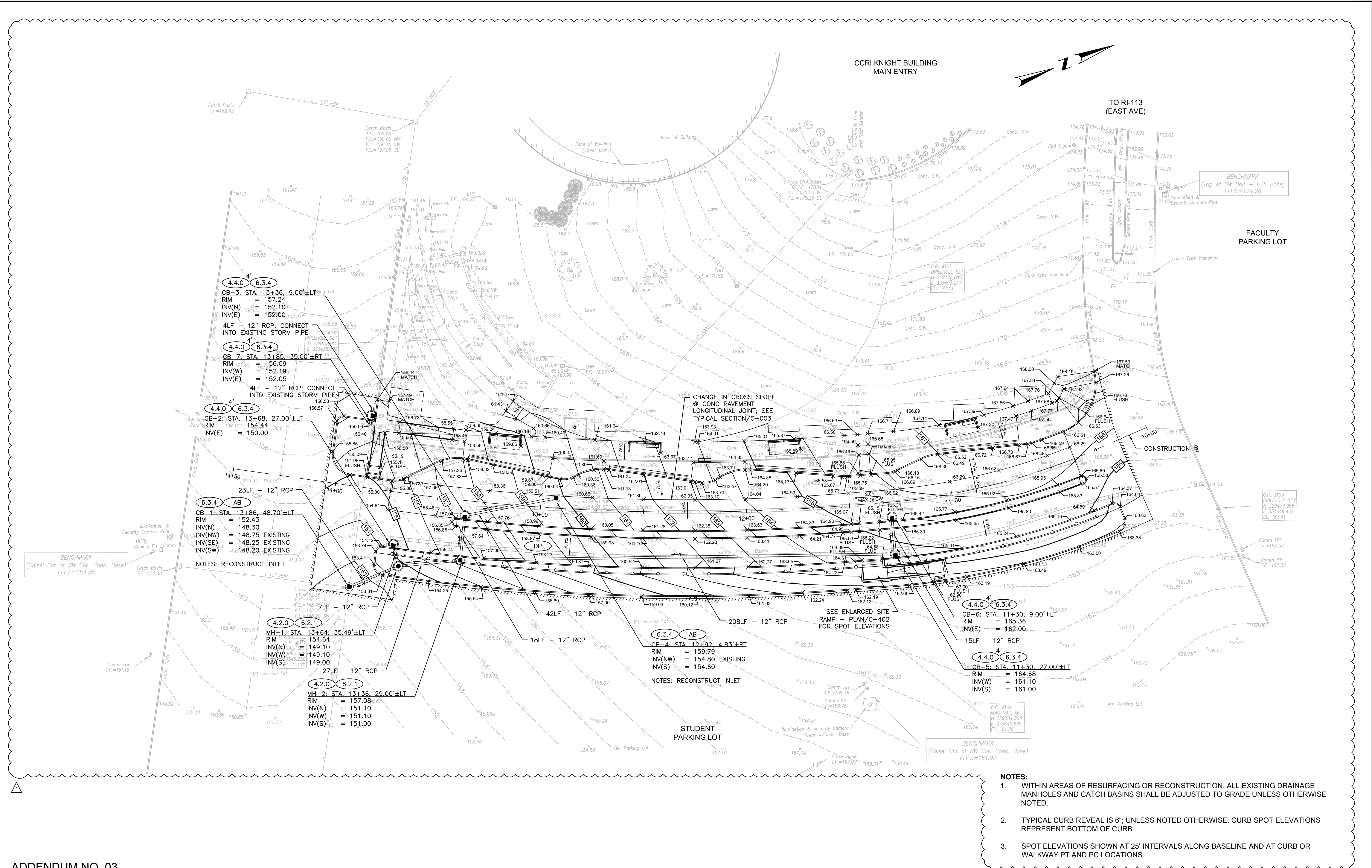


DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 009  
OF: 027

SCALE: 1"=20'			
GRAPHIC SCALE			
REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

RIPTA-CCRI ENHANCED BUS SERVICE PROJECT		RHODE ISLAND	
DRAWING TITLE:		DRAWING NO.	
GRADING & DRAINAGE PLAN		C-111	





ADDENDUM NO. 03

**Michael Baker**  
INTERNATIONAL

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM

DAVID B. FREEMAN  
N. 1970  
P.E.  
PROFESSIONAL ENGINEER

**RIPTA**  
RHODE ISLAND PUBLIC TRANSIT AUTHORITY

DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 009  
OF: 027

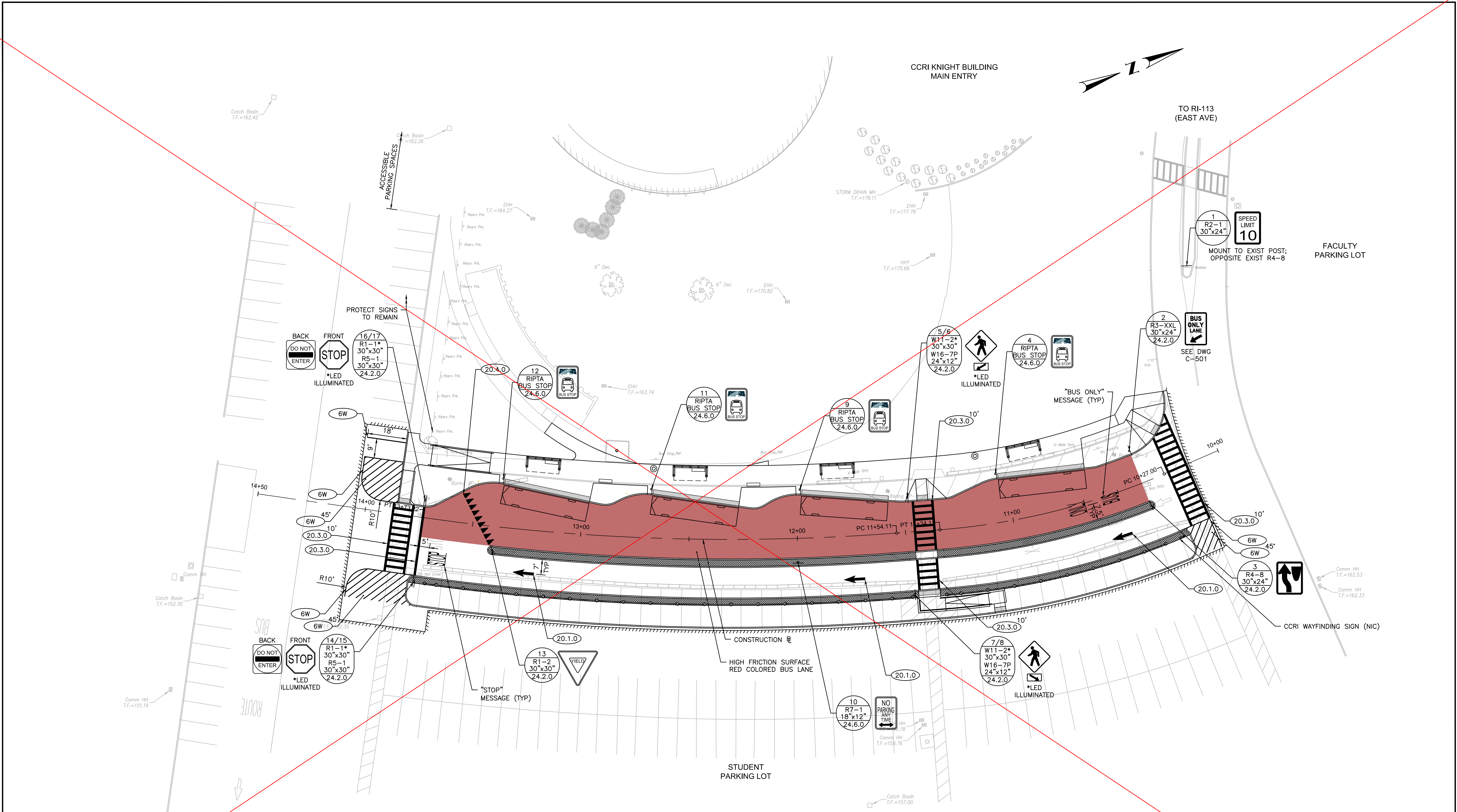
SCALE: 1"=20'  
GRAPHIC SCALE  
REVISIONS  
NO. DATE BY  
01 3/13/23 JC

RIPTA-CCRI ENHANCED BUS  
SERVICE PROJECT

WARWICK  
DRAWING TITLE:  
**GRADING & DRAINAGE PLAN**

RHODE ISLAND  
DRAWING NO.  
**C-111**





NOTES:

1.

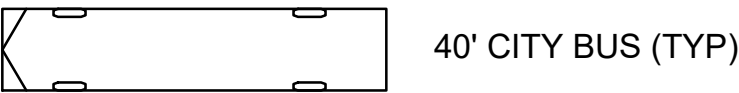
ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST EDITION.
2.

REMOVE AND STOCKPILE ALL PORTABLE TRAFFIC SIGNS WITHIN PROJECT LIMITS. SEE SITE PREPARATION PLAN FOR ALL OTHER SIGNS TO BE REMOVED OR RELOCATED.
3.

FUTURE STUDENT PARKING LOT RE-STRIPING LAYOUT NOT SHOWN. WORK IS NOT IN CONTRACT (NIC) AND IS TO BE COORDINATED BY CCRI.
4.

ALL ALUMINUM TRAFFIC SIGN PANELS SHALL BE 0.08" THICK UNLESS NOTED OTHERWISE.

LEGEND:



Michael Baker  
INTERNATIONAL

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



RHODE ISLAND PUBLIC TRANSIT AUTHORITY

DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 010  
OF: 027

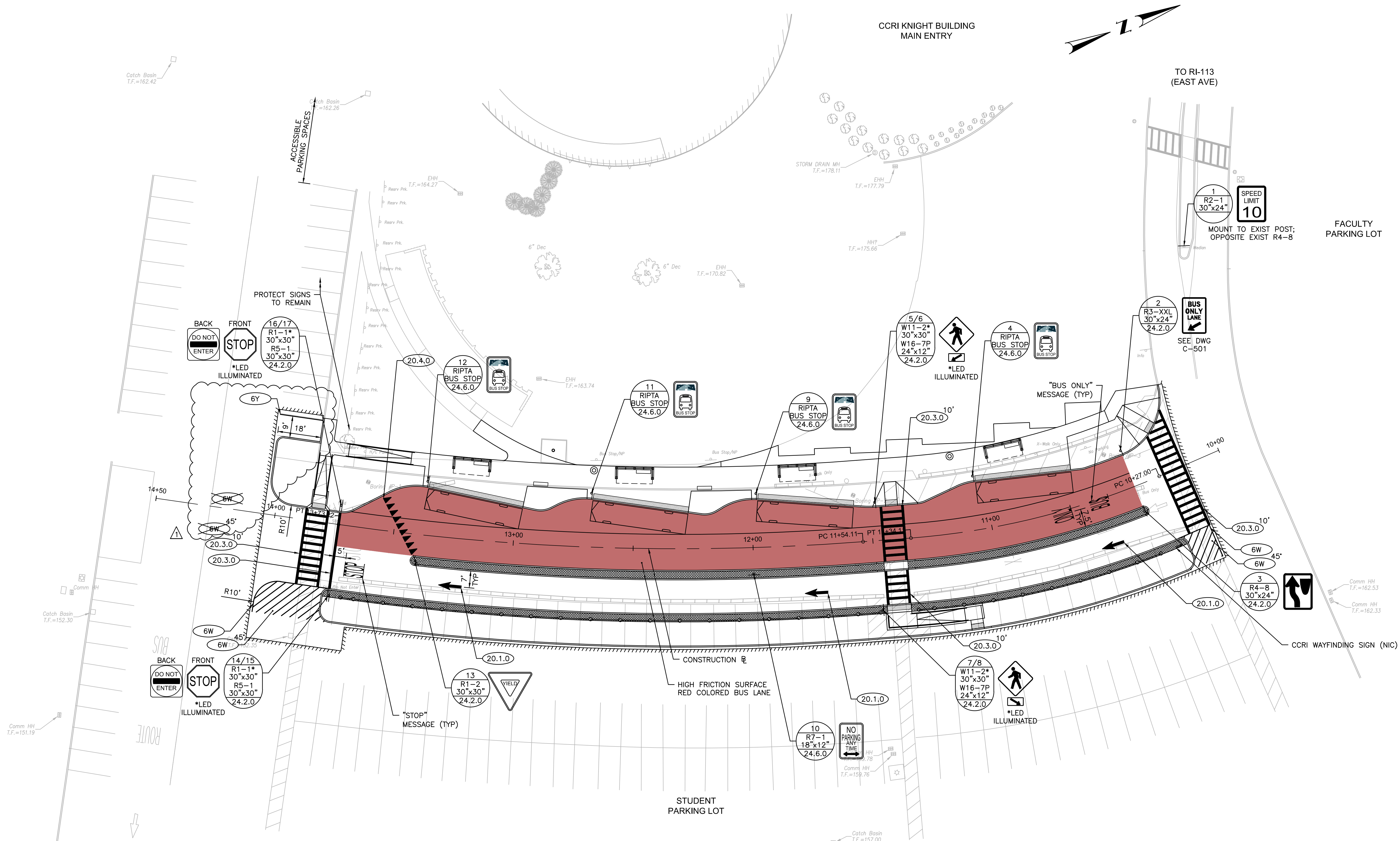
SCALE: 1"=20'  
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

WARWICK  
DRAWING TITLE:  
SIGNING & PAVEMENT  
MARKING PLAN

RHODE ISLAND  
DRAWING NO.  
C-121





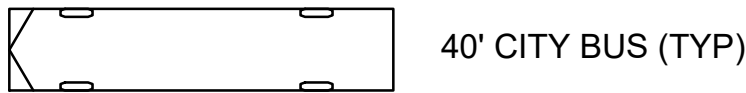
NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST EDITION.

2. REMOVE AND STOCKPILE ALL PORTABLE TRAFFIC SIGNS WITHIN PROJECT LIMITS. SEE SITE PREPARATION PLAN FOR ALL OTHER SIGNS TO BE REMOVED OR RELOCATED.

3. FUTURE STUDENT PARKING LOT RE-STRIPING LAYOUT NOT SHOWN. WORK IS NOT IN CONTRACT (NIC) AND IS TO BE COORDINATED BY CCRI.
4. ALL ALUMINUM TRAFFIC SIGN PANELS SHALL BE 0.08" THICK UNLESS NOTED OTHERWISE.

LEGEND:



ADDENDUM NO. 03

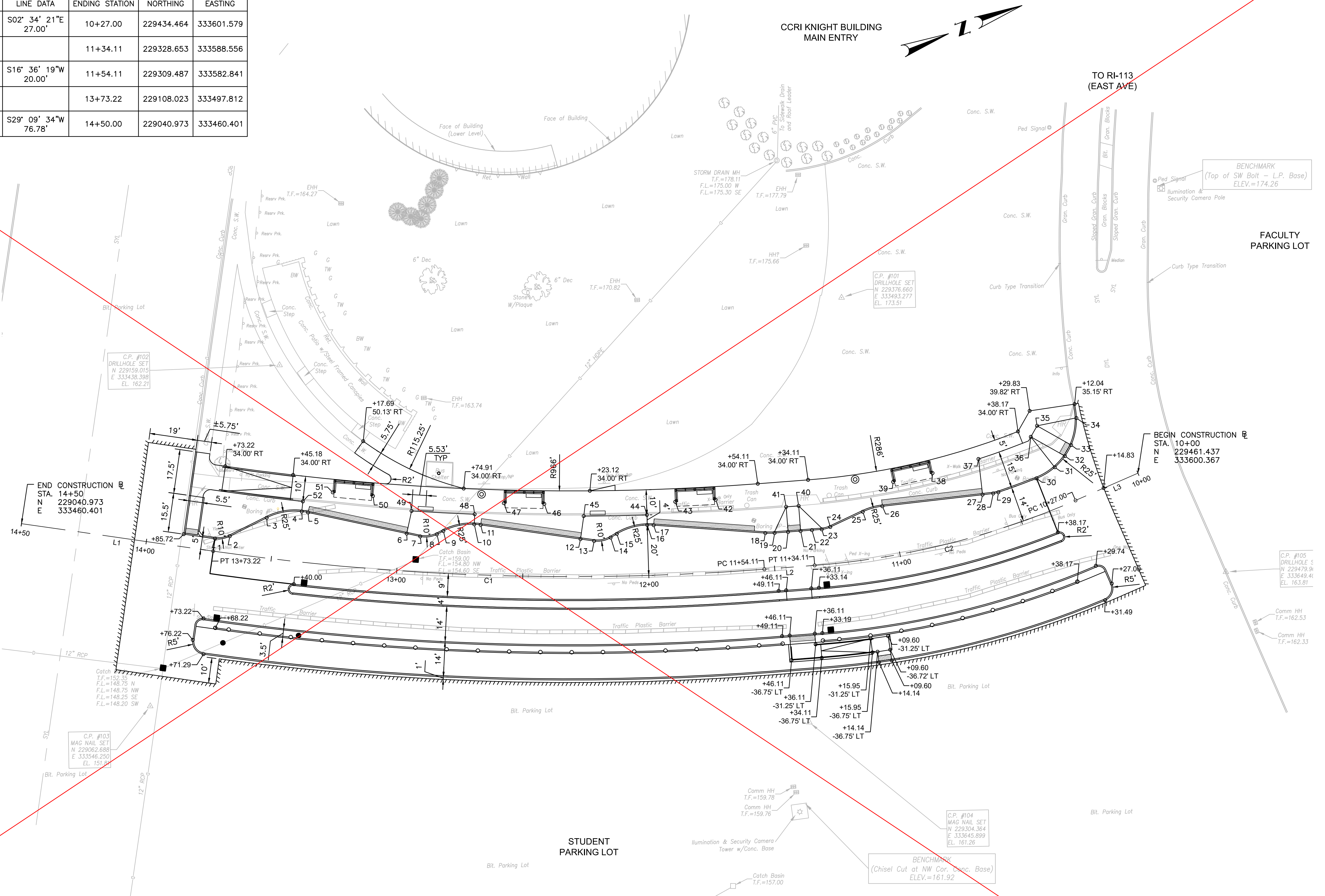
<div><div>Michael Baker</div><div>INTERNATIONAL</div></div> <div>56 Exchange Terrace 4th Floor, Suite 400 Providence, RI 02903 (401) 824-3600 MBAKERINTL.COM</div>	<div>DAVID B. FREEMAN</div> <div></div> <div>PROFESSIONAL ENGINEER</div>	<div></div>	<div>DESIGNED BY: JC</div> <div>CHECKED BY: DF</div> <div>DATE: 02/15/2023</div> <div>SHEET: 010</div> <div>OF: 027</div>	<div>SCALE: 1"=20'</div> <div></div> <table><thead><tr><th colspan="3">REVISIONS</th><th colspan="3">REVISIONS</th></tr><tr><th>NO.</th><th>DATE</th><th>BY</th><th>NO.</th><th>DATE</th><th>BY</th></tr></thead><tbody><tr><td>01</td><td>3/13/23</td><td>JC</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	REVISIONS			REVISIONS			NO.	DATE	BY	NO.	DATE	BY	01	3/13/23	JC																<div>WARWICK</div> <div>DRAWING TITLE: RIPTA-CCRI ENHANCED BUS SERVICE PROJECT</div> <div>SIGNING &amp; PAVEMENT MARKING PLAN</div> <div>DRAWING NO. C-121</div>
REVISIONS			REVISIONS																																
NO.	DATE	BY	NO.	DATE	BY																														
01	3/13/23	JC																																	



CONSTRUCTION								
NUMBER	STARTING STATION	NORTHING	EASTNG	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L3	10+00.00	229461.437	333600.367		S02° 34' 21"E 27.00'	10+27.00	229434.464	333601.579
C2	10+27.00	229434.464	333601.579	R=320.00 Δ=19°10'40" L=107.11 T=54.06		11+34.11	229328.653	333588.556
L2	11+34.11	229328.653	333588.556		S16° 36' 19"W 20.00'	11+54.11	229309.487	333582.841
C1	11+54.11	229309.487	333582.841	R=1000.00 Δ=12°33'15" L=219.11 T=110.00		13+73.22	229108.023	333497.812
L1	13+73.22	229108.023	333497.812		S29° 09' 34"W 76.78'	14+50.00	229040.973	333460.401

POINT TABLE		
POINT NO.	NORTHING	EASTING
1	229110.459	333493.445
2	229116.304	333494.665
3	229132.576	333493.076
4	229146.455	333495.733
5	229148.645	333497.006
6	229182.168	333518.828
7	229186.754	333521.813
8	229193.221	333523.382
9	229196.093	333523.090
10	229208.488	333524.991
11	229210.761	333526.107
12	229245.728	333545.531
13	229250.512	333548.189
14	229257.072	333549.300
15	229259.918	333548.808
16	229272.415	333549.838
17	229274.761	333550.792
18	229315.007	333569.595
19	229318.444	333570.902
20	229323.550	333572.425
21	229328.342	333573.854
22	229332.654	333575.140
23	229336.426	333576.239
24	229339.885	333576.594
25	229354.090	333575.563
26	229362.130	333576.286

POINT TABLE (CONTINUED)		
POINT NO.	NORTHING	EASTING
27	229400.868	333586.253
28	229405.003	333587.317
29	229407.069	333587.624
30	229423.157	333587.886
31	229431.499	333586.365
32	229436.833	333583.649
33	229440.686	333580.463
34	229446.480	333571.214
35	229430.807	333568.517
36	229426.954	333571.703
37	229404.412	333572.478
38	229385.439	333571.150
39	229369.590	333568.807
40	229331.199	333564.271
41	229326.408	333562.842
42	229301.324	333550.207
43	229286.095	333545.233
44	229273.733	333546.061
45	229250.187	333537.505
46	229237.300	333527.381
47	229222.456	333521.354
48	229210.067	333521.316
49	229187.177	333511.134
50	229175.030	333500.133
51	229160.644	333493.082
52	229148.287	333492.177



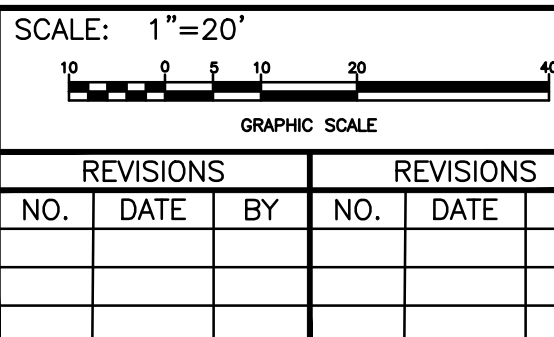
NOTES:  
1. ALL CURB RADII ARE 3-FT UNLESS NOTED OTHERWISE.

**Michael Baker**  
**INTERNATIONAL**

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 011  
OF: 027



REVISIONS				REVISIONS			
NO.	DATE	BY		NO.	DATE	BY	

RIPTA-CCRI ENHANCED BUS SERVICE PROJECT

DRAWING NO. C-131



CONSTRUCTION								
NUMBER	STARTING STATION	NORTHING	EASTNG	CURVE DATA	ENDING STATION	NORTHING	EASTING	
L3	10+00.00	229461.437	333600.367		10+27.00	229434.464	333601.579	
C2	10+27.00	229434.464	333601.579	R=320.00 Δ=19°10'40" L=107.11 T=54.06	11+34.11	229328.653	333588.556	
L2	11+34.11	229328.653	333588.556		11+54.11	229309.487	333582.841	
C1	11+54.11	229309.487	333582.841	R=1000.00 Δ=12°33'15" L=219.11 T=110.00	13+73.22	229108.023	333497.812	
L1	13+73.22	229108.023	333497.812		14+50.00	229040.973	333460.401	

POINT TABLE		
POINT NO.	NORTHING	EASTING
1	229110.459	333493.445
2	229116.304	333494.665
3	229132.576	333493.076
4	229146.455	333495.733
5	229148.645	333497.006
6	229182.168	333518.828
7	229186.754	333521.813
8	229193.221	333523.382
9	229196.093	333523.090
10	229208.488	333524.991
11	229210.761	333526.107
12	229245.728	333545.531
13	229250.512	333548.189
14	229257.072	333549.300
15	229259.918	333548.808
16	229272.415	333549.838
17	229274.761	333550.792
18	229315.007	333569.595
19	229318.444	333570.902
20	229323.550	333572.425
21	229328.342	333573.854
22	229332.654	333575.140
23	229336.426	333576.239
24	229339.885	333576.594
25	229354.090	333575.563
26	229362.130	333576.286

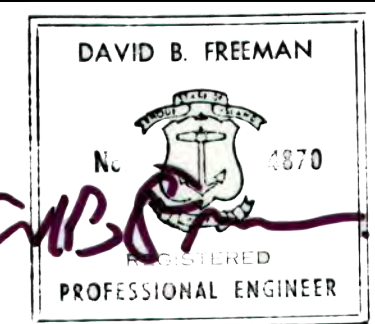
POINT TABLE (CONTINUED)		
POINT NO.	NORTHING	EASTING
27	229400.868	333586.253
28	229405.003	333587.317
29	229407.069	333587.624
30	229423.157	333587.886
31	229431.499	333586.365
32	229436.833	333583.649
33	229440.686	333580.463
34	229446.480	333571.214
35	229430.807	333568.517
36	229426.954	333571.703
37	229404.412	333572.478
38	229385.439	333571.150
39	229369.590	333568.807
40	229331.199	333564.271
41	229326.408	333562.842
42	229301.324	333550.207
43	229286.095	333545.233
44	229273.733	333546.061
45	229250.187	333537.505
46	229237.300	333527.381
47	229222.456	333521.354
48	229210.067	333521.316
49	229187.177	333511.134
50	229175.030	333500.133
51	229160.644	333493.082
52	229150.348	333488.177

NOTES:  
1. ALL CURB RADII ARE 3-FT UNLESS NOTED OTHERWISE.

ADDENDUM NO. 03

Michael Baker  
INTERNATIONAL

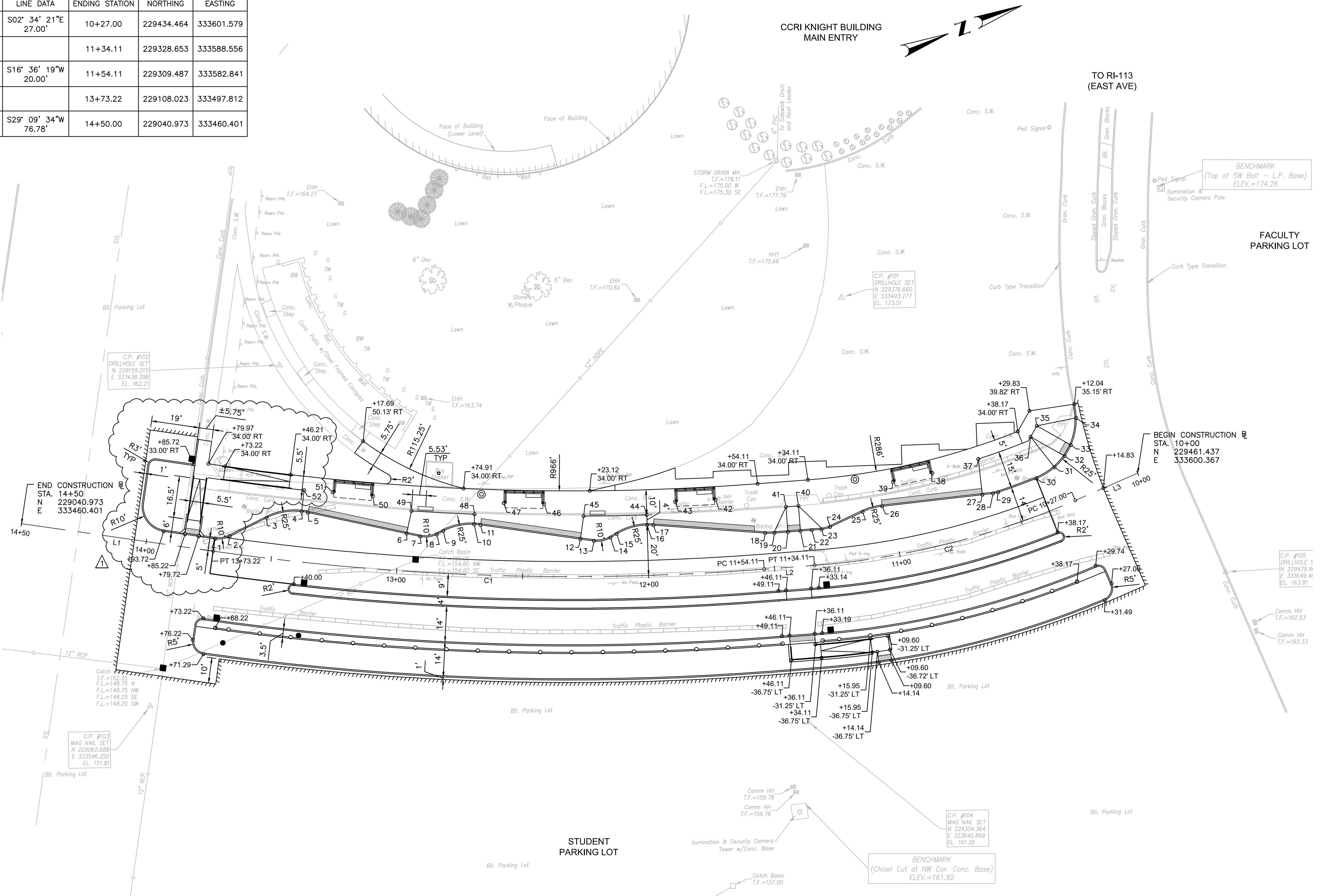
56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



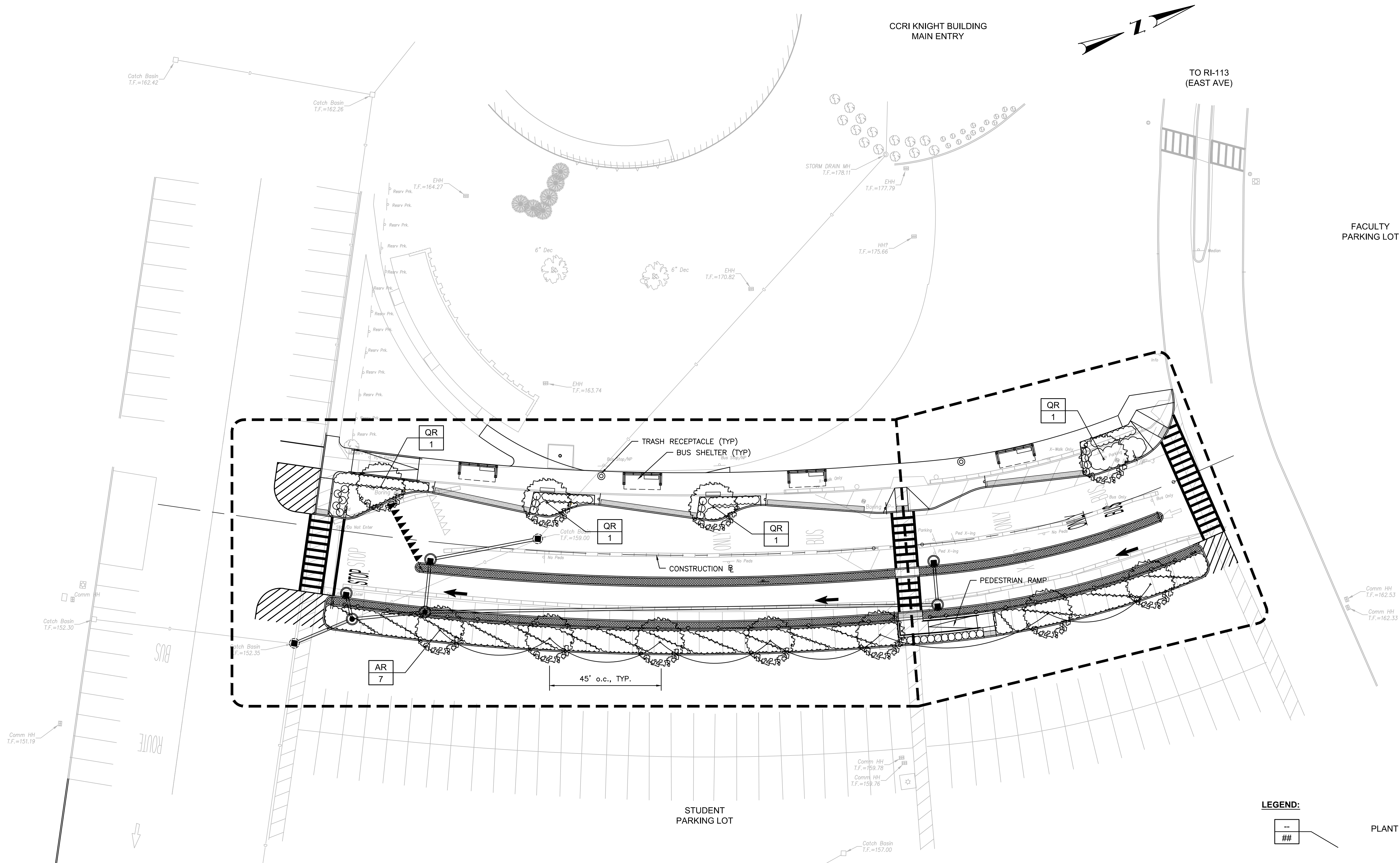
DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 011  
OF: 027

SCALE: 1"=20'					
GRAPHIC SCALE					
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
01	3/13/23	JC			

WARWICK  
DRAWING TITLE:  
RIPITA-CCRI ENHANCED BUS  
SERVICE PROJECT  
LOCATION PLAN  
DRAWING NO.  
C-131







**LEGEND:**

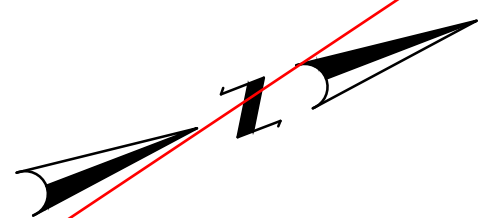
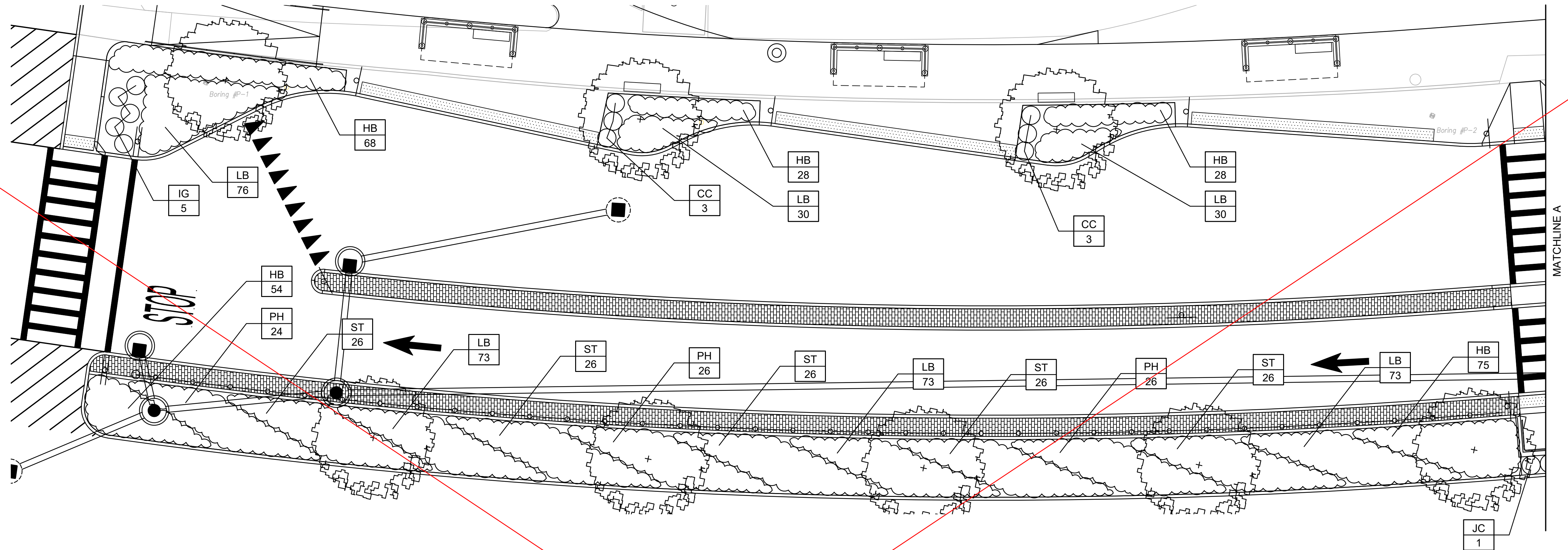
--  
##

PLANT KEY SYMBOL

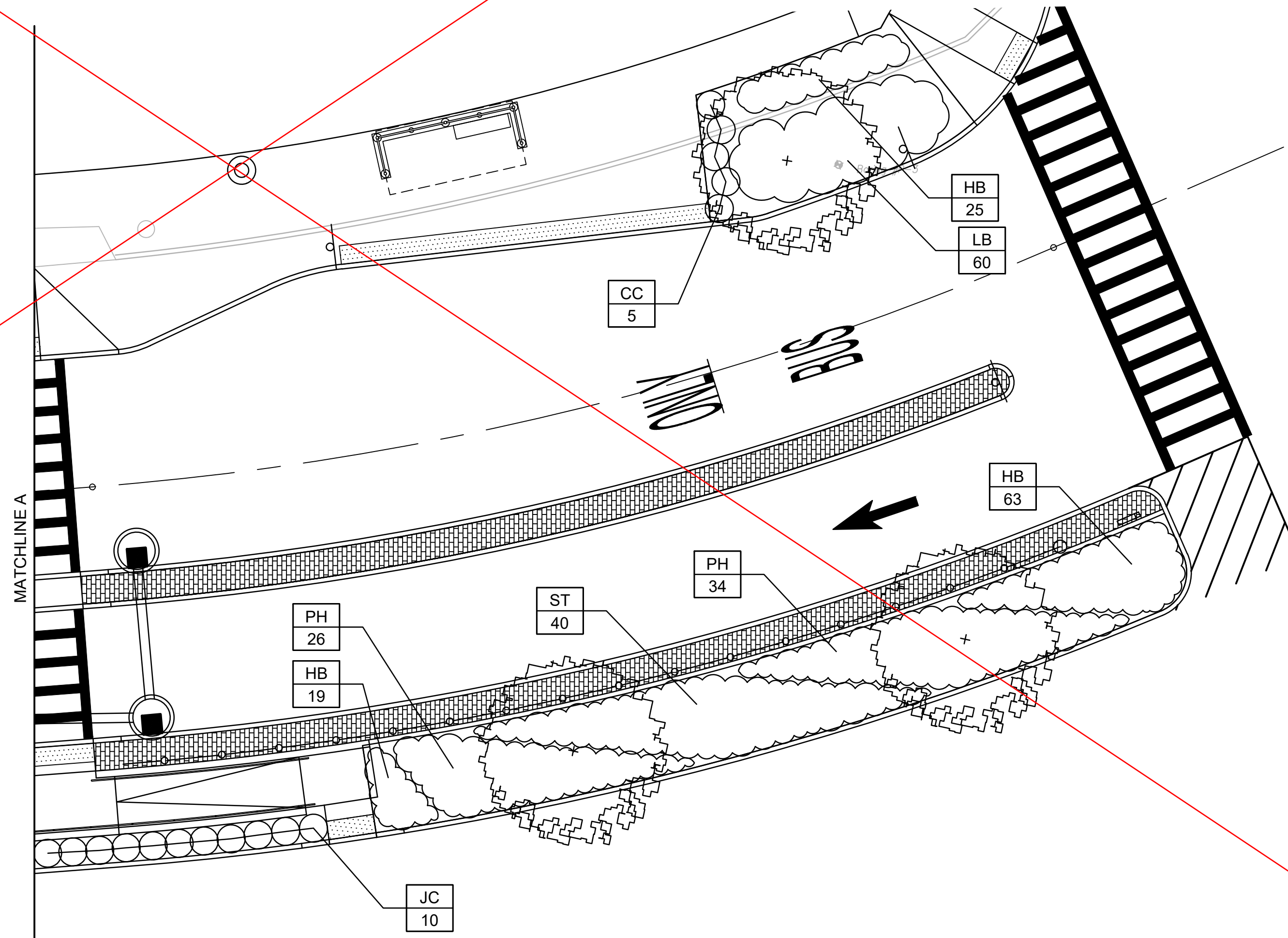
- NOTES:**
- THIS PLAN IS INTENDED FOR PLANTING LOCATION PURPOSES ONLY. REFER TO SITE PLAN FOR SITE FURNISHINGS (BENCHES, TRASH RECEPTACLES, ETC.) AND PAVING MATERIAL.
  - SEE SHEET C-142 FOR ENLARGEMENT PLANTING PLANS
  - SEE SHEET C-142 FOR PLANT SCHEDULE

<div><div>Michael Baker</div><div>INTERNATIONAL</div></div> <div>56 Exchange Terrace 4th Floor, Suite 400 Providence, RI 02903 (401) 824-3600 MBAKERINTL.COM</div>	<div><div>RIPTA</div><div>RHODE ISLAND PUBLIC TRANSIT AUTHORITY</div></div>	DESIGNED BY:	<div>SCALE: 1"=20'</div> <div>GRAPHIC SCALE</div> <div><div>100'0"0"</div><div>0'0"0"</div><div>10'0"0"</div><div>20'0"0"</div><div>30'0"0"</div></div>	RIPTA-CCRI ENHANCED BUS SERVICE PROJECT				RHODE ISLAND
		CHECKED BY:		DRAWING TITLE:				DRAWING NO.
		DATE: 02/15/2023		LANDSCAPE PLAN				C-141
SHEET: 012								
OF: 027								





PLANT SCHEDULE					
QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
<b>TREES</b>					
7	AR	Acer rubrum 'Armstrong'	Red Maple	3.5" Cal	As Shown
4	QR	Quercus rubra	Red Oak	3.5" Cal	As Shown
<b>SHRUBS</b>					
11	CC	Clethra alnifolia 'Compacta'	Compact Summersweet	24"-30" B&B	36" o.c.
5	IG	ilex glabra	Inkberry Holly	5 Gal.	36" o.c.
11	JC	Juniperus conferta 'Compacta'	Shore Juniper	3 Gal.	36" o.c.
<b>GROUNDCOVER</b>					
360	HB	Hemerocallis x 'Bitsy'	Yellow Daylily	4" Pot	18" o.c.
415	LB	Liriope muscari 'Big Blue'	Big Blue Lilyturf	4" Pot	18" o.c.
136	PH	Pennisetum alopecuroides 'Hameln'	Hameln Dwarf Fountain Grass	1 Gal.	30" o.c.
170	ST	Schizachyrium scoparium 'The Blues'	Little Bluestem	1 Gal.	30" o.c.



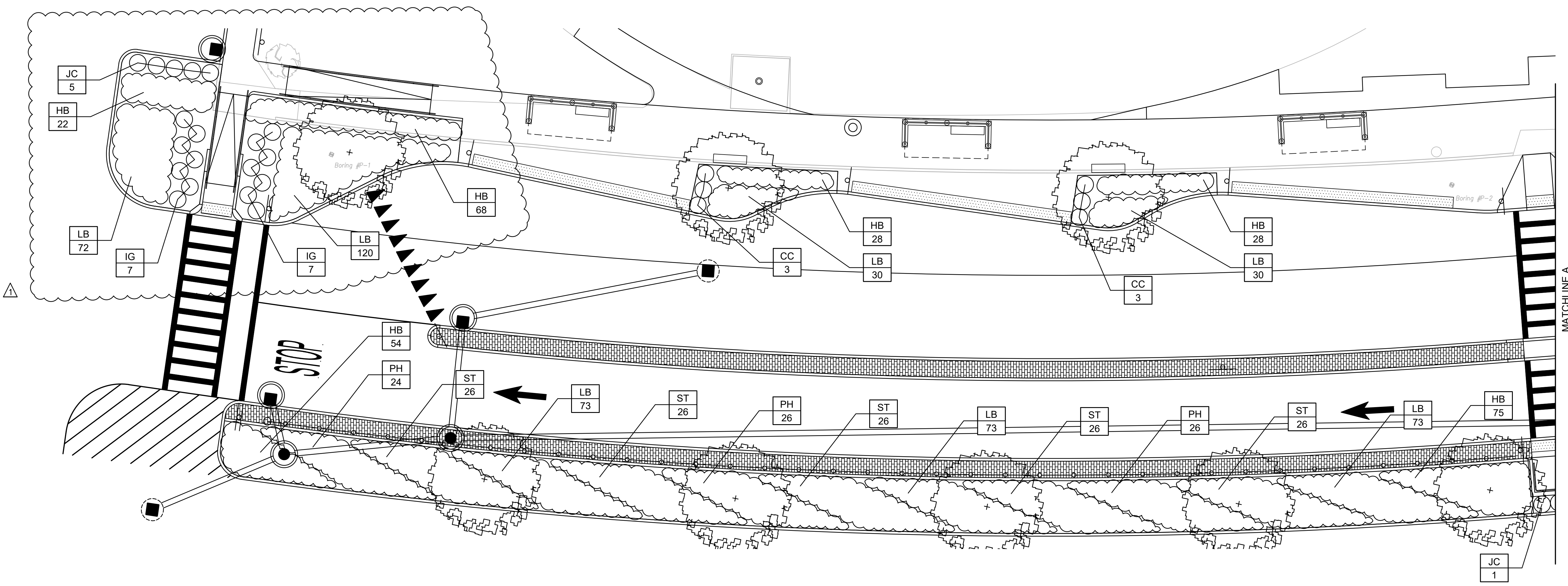
**LEGEND:**

--  
##

PLANT KEY SYMBOL

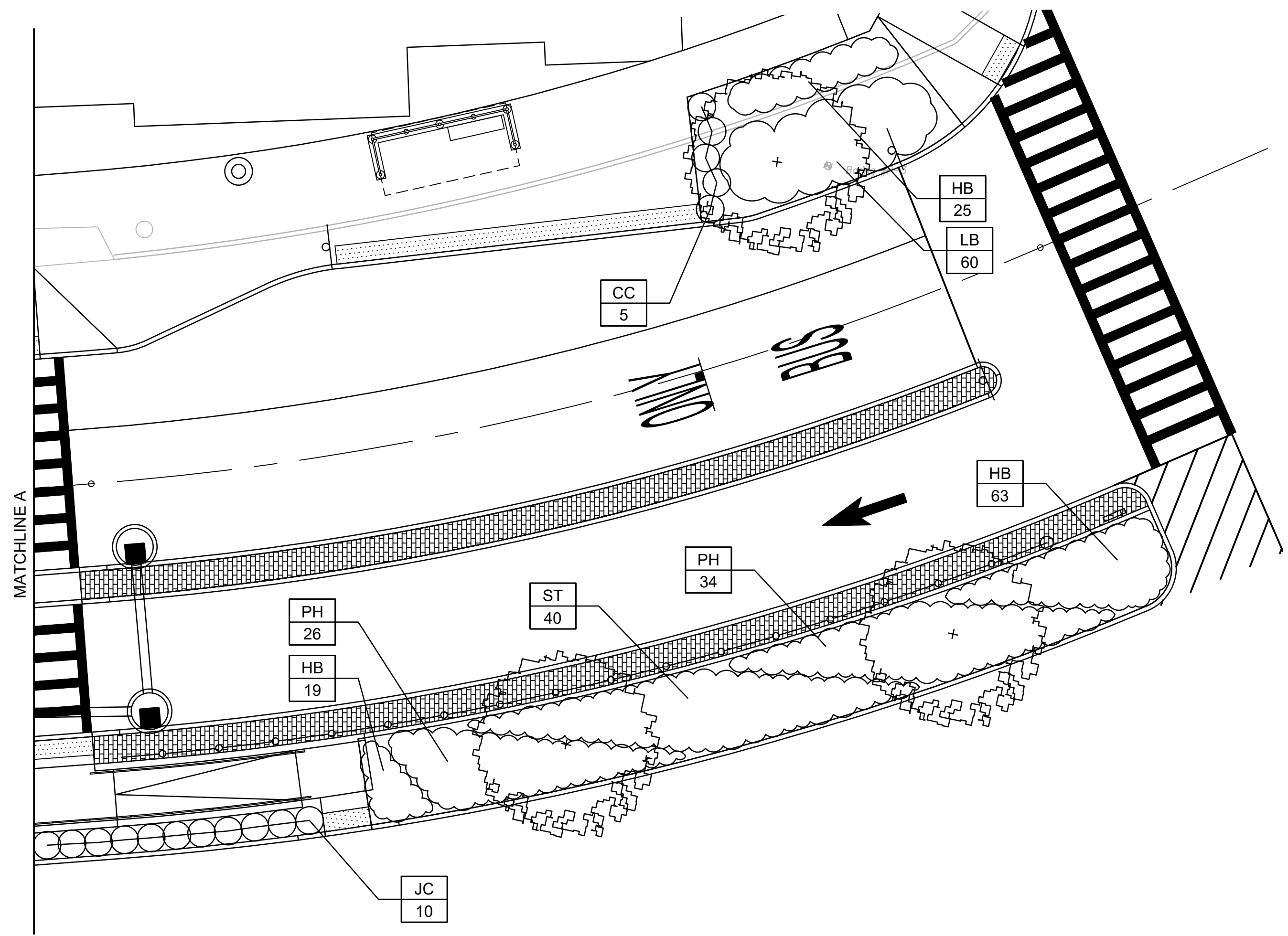
- NOTES:**
- THIS PLAN IS INTENDED FOR PLANTING LOCATION PURPOSES ONLY. REFER TO SITE PLAN FOR SITE FURNISHINGS (BENCHES, TRASH RECEPTACLES, ETC.) AND PAVING MATERIAL.
  - SEE SHEET C-141 FOR TREE PLANTING LAYOUT





PLANT SCHEDULE

QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
<b>TREES</b>					
7	AR	Acer rubrum 'Armstrong'	Red Maple	3.5" Cal	As Shown
4	QR	Quercus rubra	Red Oak	3.5" Cal	As Shown
<b>SHRUBS</b>					
11	CC	Clethra alnifolia 'Compacta'	Compact Summersweet	24"-30" B&B	36" o.c.
14	IG	ilex glabra	Inkberry Holly	5 Gal.	36" o.c.
16	JC	Juniperus conferta 'Compacta'	Shore Juniper	3 Gal.	36" o.c.
<b>GROUND COVER</b>					
382	HB	Hemerocallis x 'Bitsy'	Yellow Daylily	4" Pot	18" o.c.
563	LB	Liriope muscari 'Big Blue'	Big Blue Lilyturf	4" Pot	18" o.c.
136	PH	Pennisetum alopecuroides 'Hameln'	Hameln Dwarf Fountain Grass	1 Gal.	30" o.c.
170	ST	Schizachyrium scoparium 'The Blues'	Little Bluestem	1 Gal.	30" o.c.



LEGEND:

--  
##

PLANT KEY SYMBOL

NOTES:

- THIS PLAN IS INTENDED FOR PLANTING LOCATION PURPOSES ONLY. REFER TO SITE PLAN FOR SITE FURNISHINGS (BENCHES, TRASH RECEPTACLES, ETC.) AND PAVING MATERIAL.
- SEE SHEET C-141 FOR TREE PLANTING LAYOUT

ADDENDUM NO. 03

**Michael Baker**  
**INTERNATIONAL**

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM

DAVID B. FREEMAN  
N.E.  
1970  
PROFESSIONAL ENGINEER

**RIPA**  
RHODE ISLAND PUBLIC TRANSIT AUTHORITY

DESIGNED BY:  
CHECKED BY:  
DATE: 02/15/2023  
SHEET: 013  
OF: 027

SCALE: 1"=10'  
GRAPHIC SCALE  
REVISIONS  
NO. DATE BY NO. DATE BY

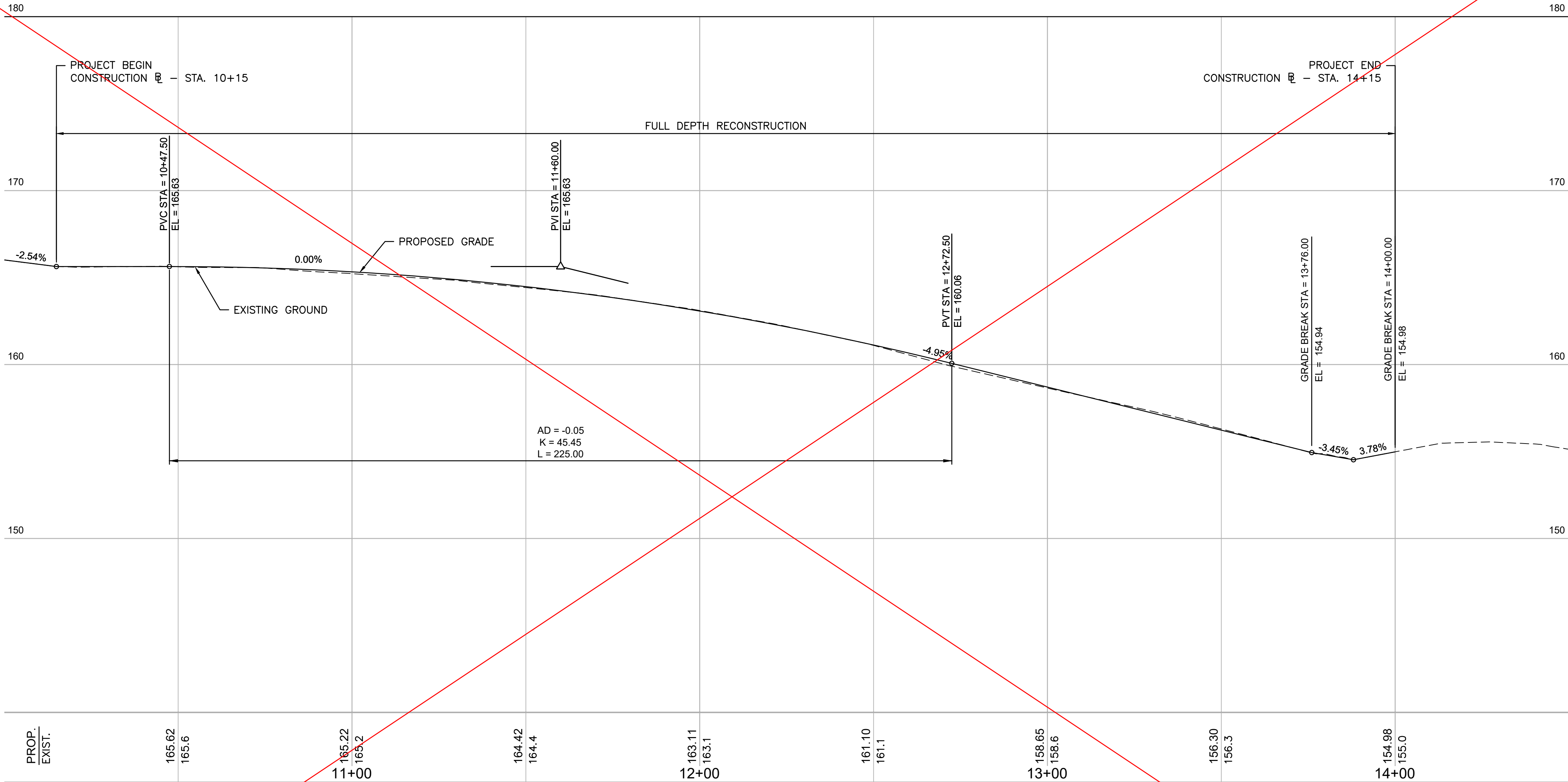
WARWICK  
DRAWING TITLE:

RIPTA-CCRI ENHANCED BUS  
SERVICE PROJECT

LANDSCAPE PLAN

RHODE ISLAND  
DRAWING NO.  
C-142





56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM

DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 014  
OF: 027

SCALE: 1"=20'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

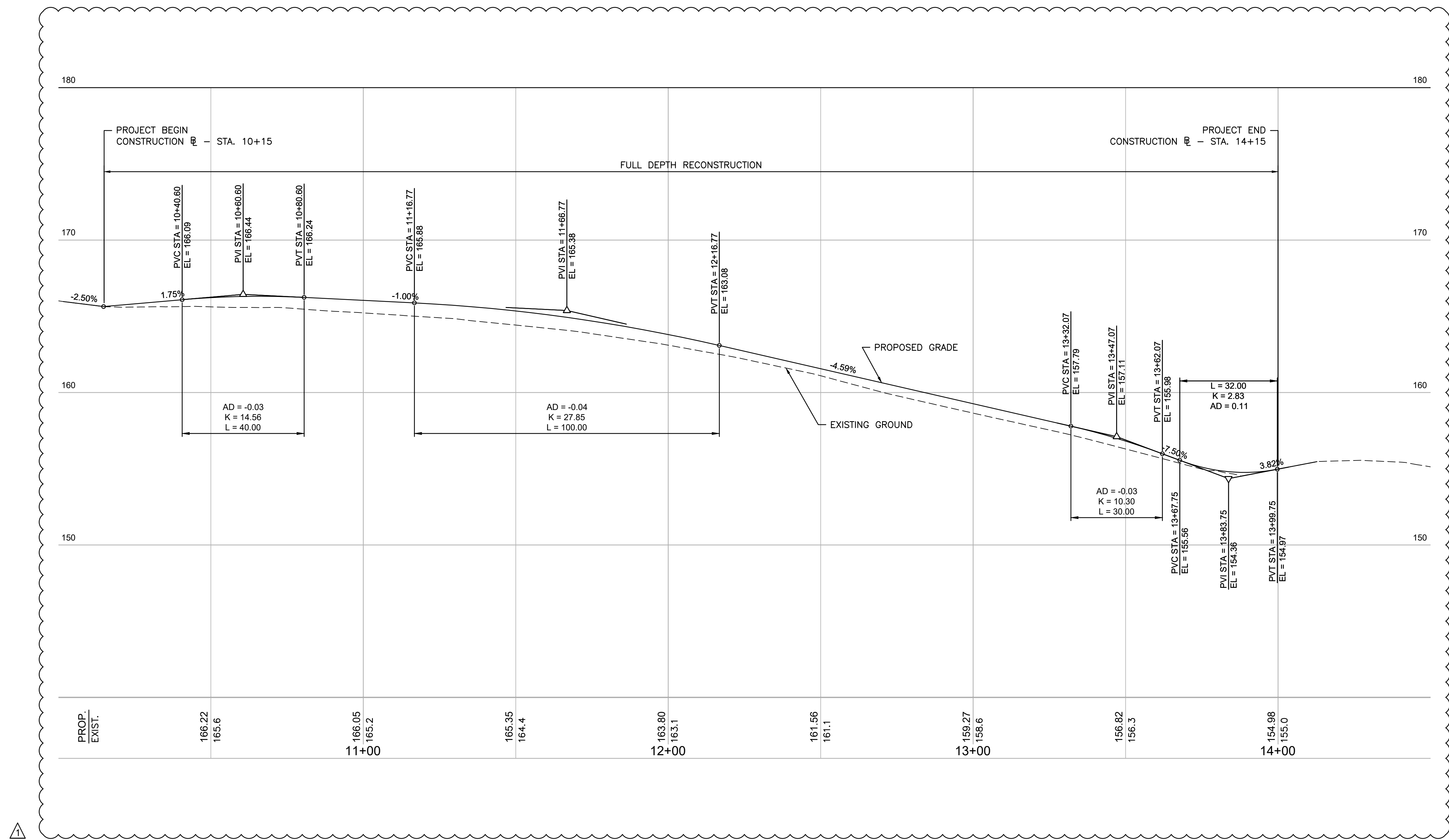
WARWICK

DRAWING TITLE:  
**CONSTRUCTION PROFILE**

DRAWING NO.  
**C-201**

H:\RIPTA\005 - ASSIGNMENT 6 - CCRI TRANSIT CENTER\8.0 CADD\SHEETS\C-201\_PROFILE.DWG

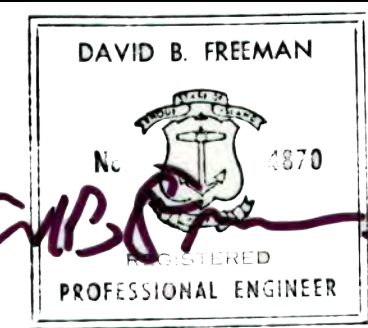




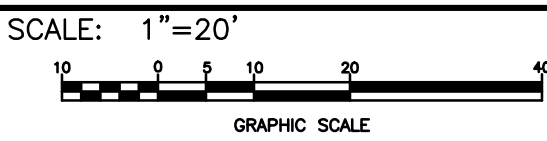
ADDENDUM NO. 03

**Michael Baker**  
INTERNATIONAL

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 014  
OF: 027



REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
01	3/13/23	JC			

WARWICK

DRAWING TITLE:

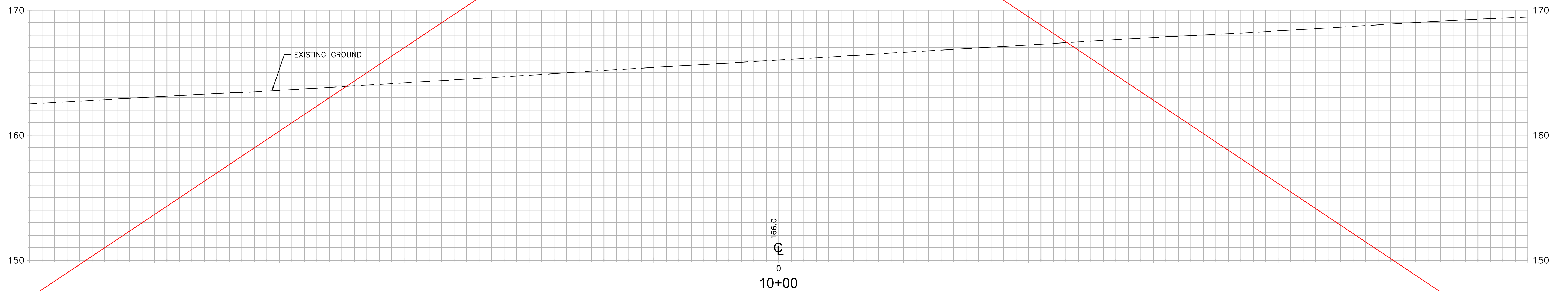
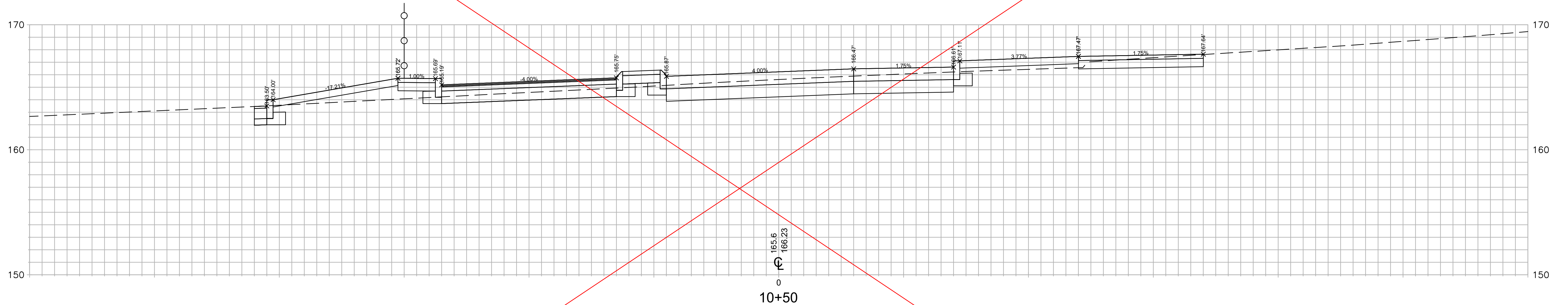
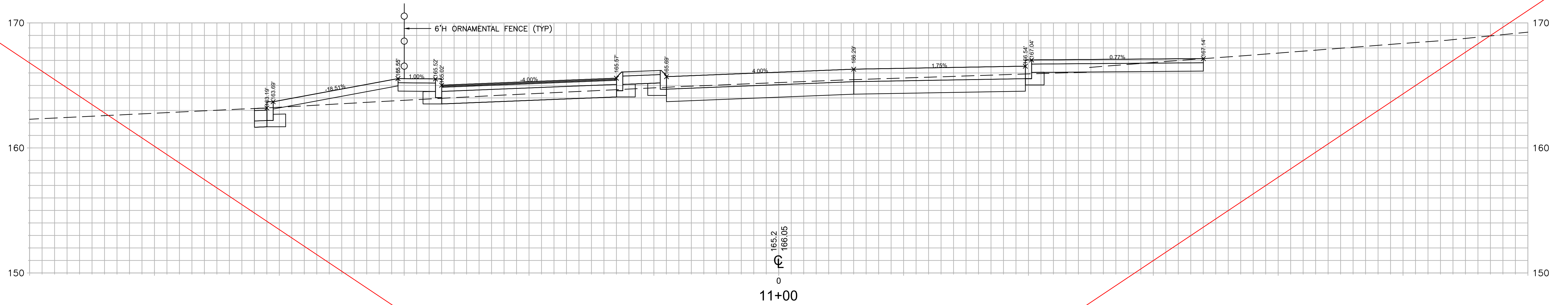
CONSTRUCTION PROFILE

RHODE ISLAND

DRAWING NO.

C-201



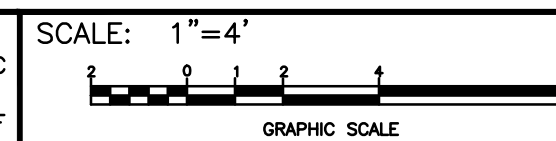


**Michael Baker**  
**INTERNATIONAL**

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 015  
OF: 027



WARWICK  
DRAWING TITLE:

**RIPTA-CCRI ENHANCED BUS  
SERVICE PROJECT**

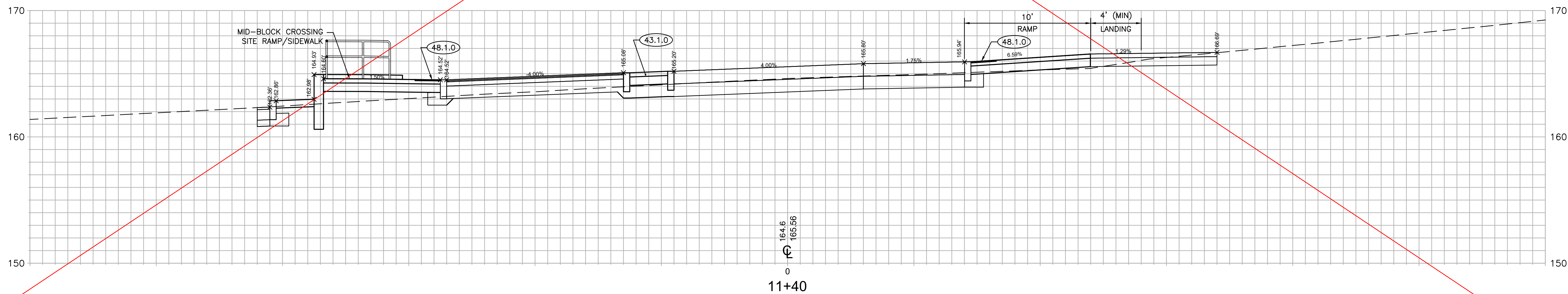
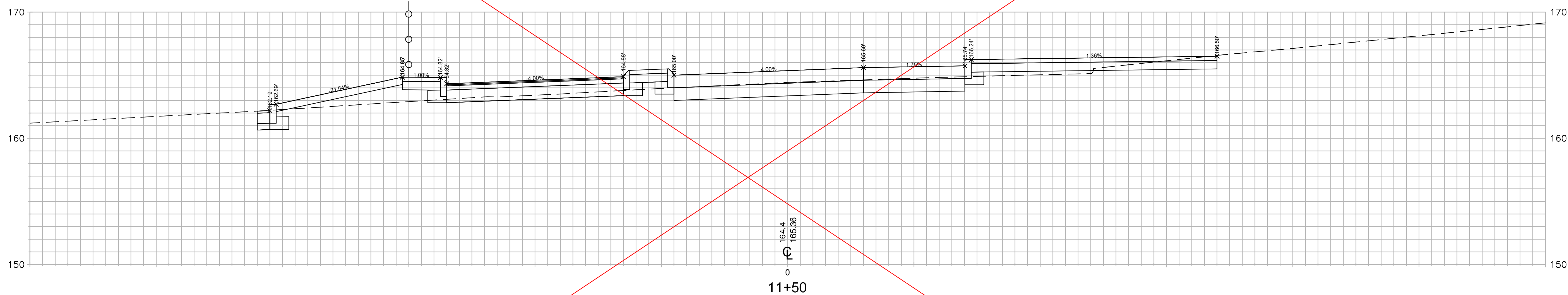
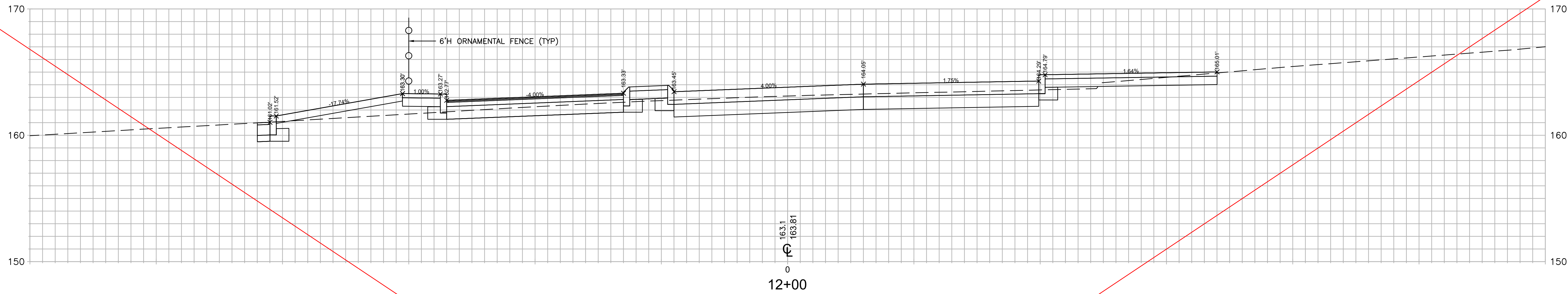
**CROSS SECTIONS**

RHODE ISLAND  
DRAWING NO.  
**C-301**







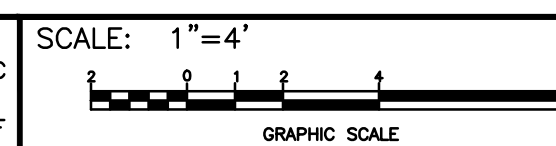


**Michael Baker**  
**INTERNATIONAL**

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 016  
OF: 027



WARWICK  
DRAWING TITLE:

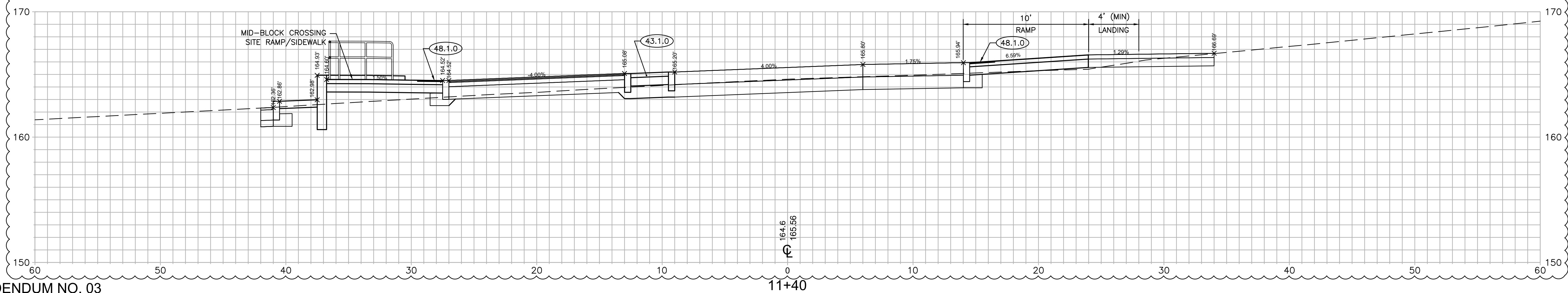
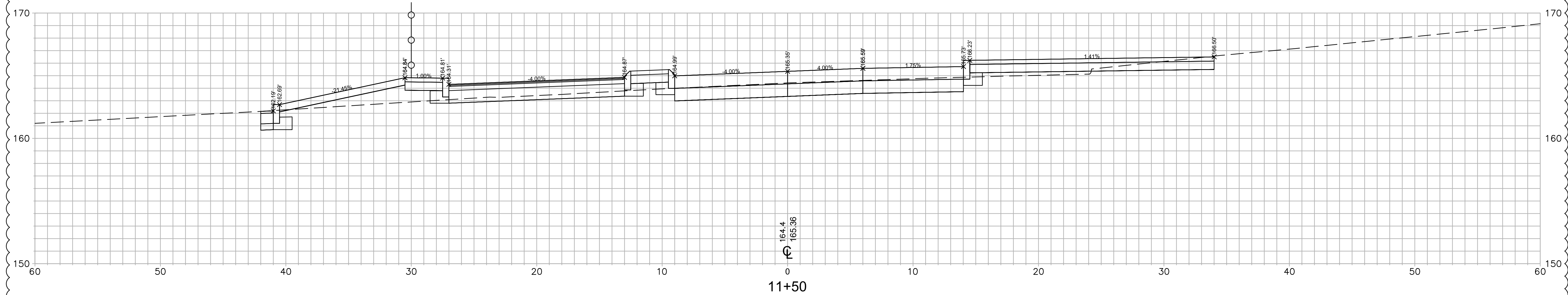
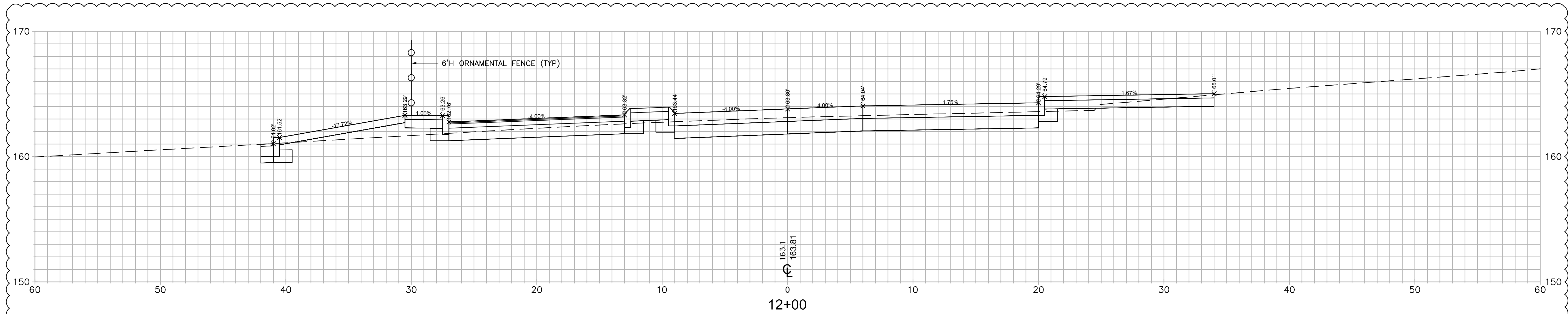
**RIPTA-CCRI ENHANCED BUS  
SERVICE PROJECT**

RHODE ISLAND  
DRAWING NO.

**CROSS SECTIONS**

**C-302**

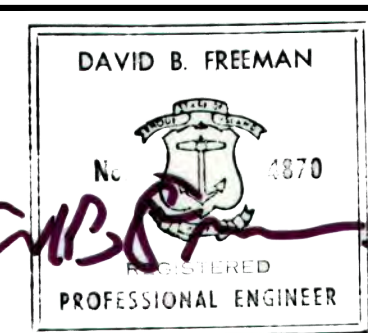




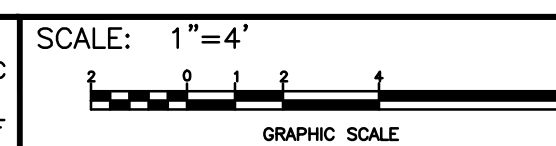
ADDENDUM NO. 03

**Michael Baker**  
**INTERNATIONAL**

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 016  
OF: 027



REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
01	3/13/23	JC			

WARWICK  
DRAWING TITLE:

**RIPTA-CCRI ENHANCED BUS  
SERVICE PROJECT**

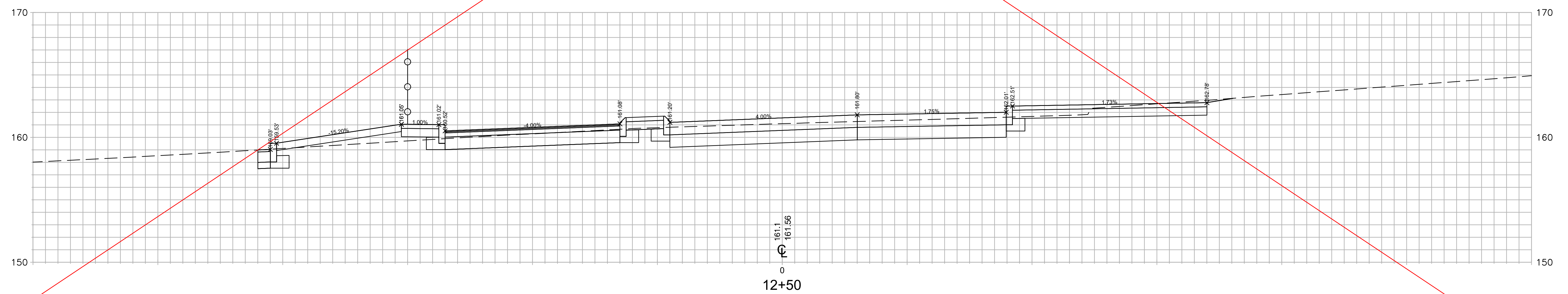
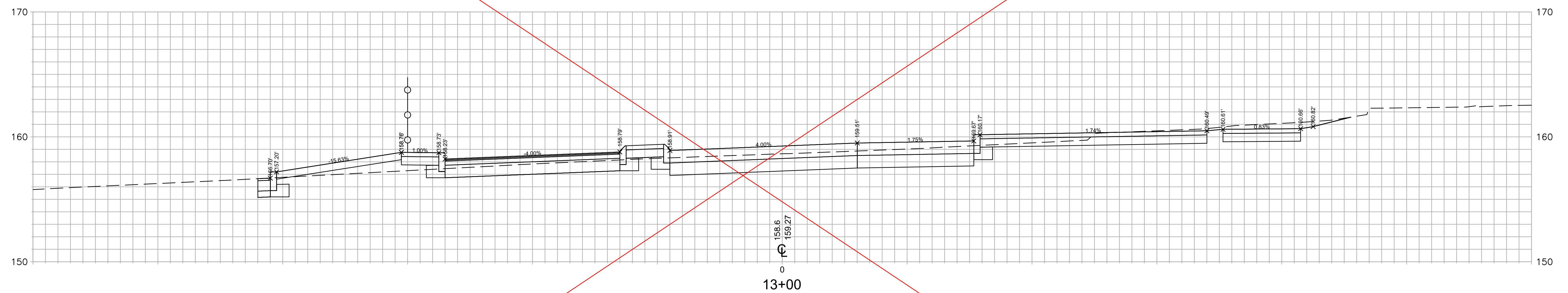
**CROSS SECTIONS**

RHODE ISLAND

DRAWING NO.

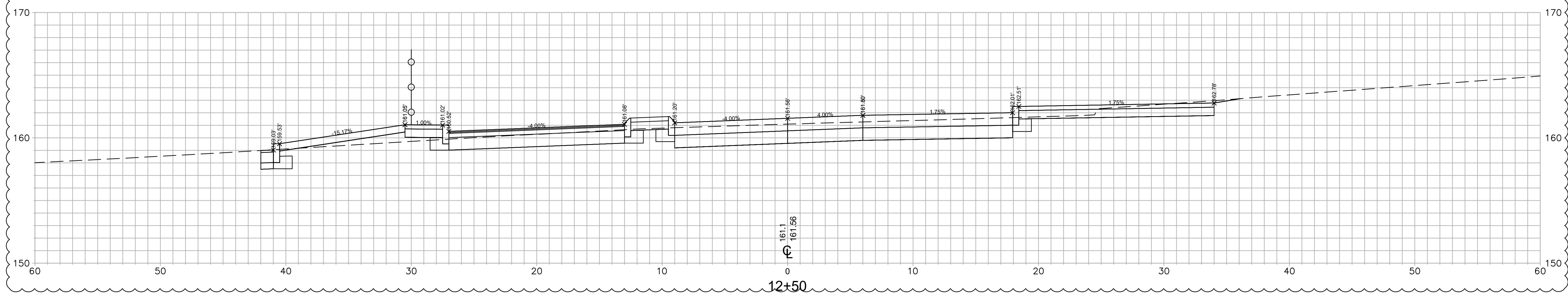
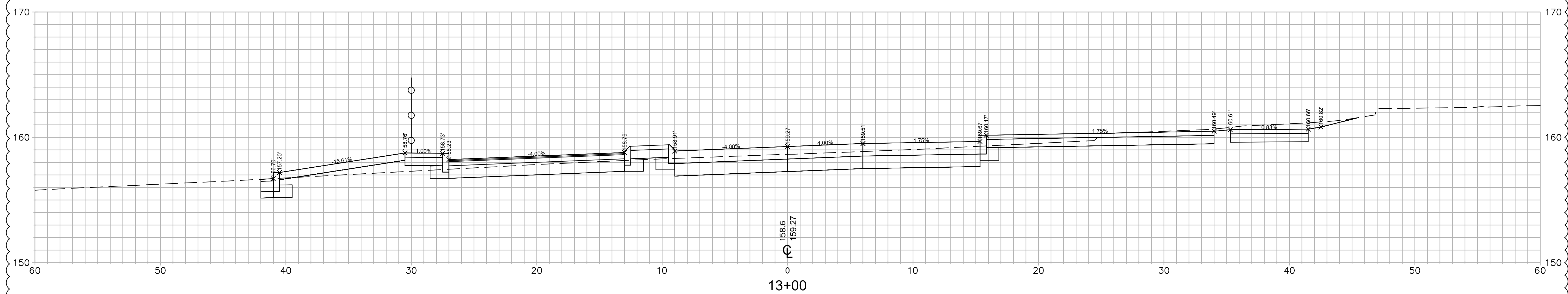
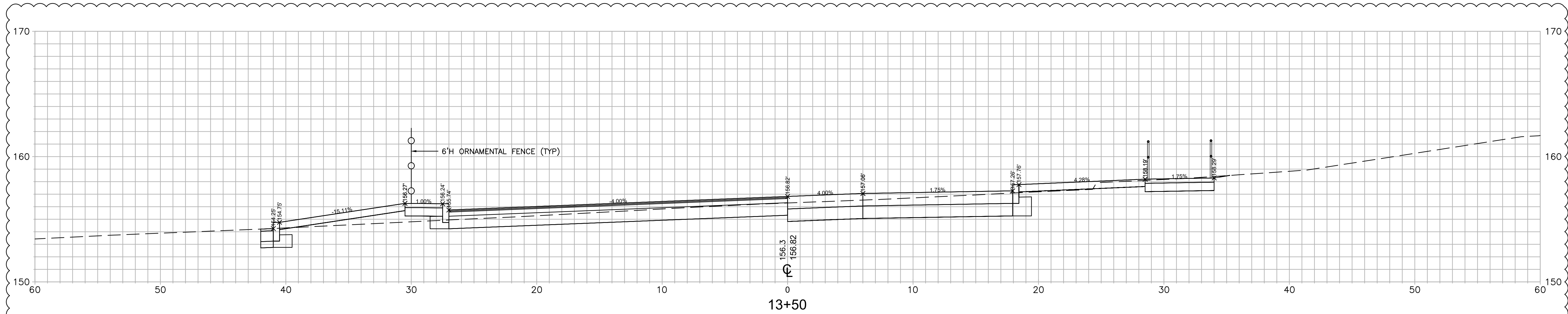
**C-302**





 56 Exchange Terrace 4th Floor, Suite 400 Providence, RI 02903 (401) 824-3600 MBAKERINTL.COM	 RHODE ISLAND PUBLIC TRANSIT AUTHORITY	DESIGNED BY: JC CHECKED BY: DF DATE: 02/15/2023 SHEET: 017 OF: 027	SCALE: 1"=4'  GRAPHIC SCALE	RIPTA-CCRI ENHANCED BUS SERVICE PROJECT CROSS SECTIONS	WARWICK DRAWING TITLE: RHODE ISLAND DRAWING NO.: C-303																																				
		<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> <th colspan="3">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		REVISIONS			REVISIONS			NO.	DATE	BY	NO.	DATE	BY																									C-303	
		REVISIONS			REVISIONS																																				
		NO.	DATE	BY	NO.	DATE	BY																																		
C-303		C-303																																							
C-303		C-303																																							

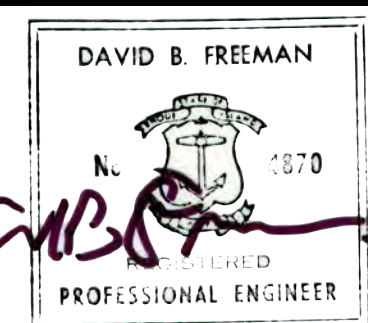




ADDENDUM NO. 03

**Michael Baker**  
**INTERNATIONAL**

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 017  
OF: 027

SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
01	3/13/23	JC			

WARWICK  
DRAWING TITLE:

RIPTA-CCRI ENHANCED BUS  
SERVICE PROJECT

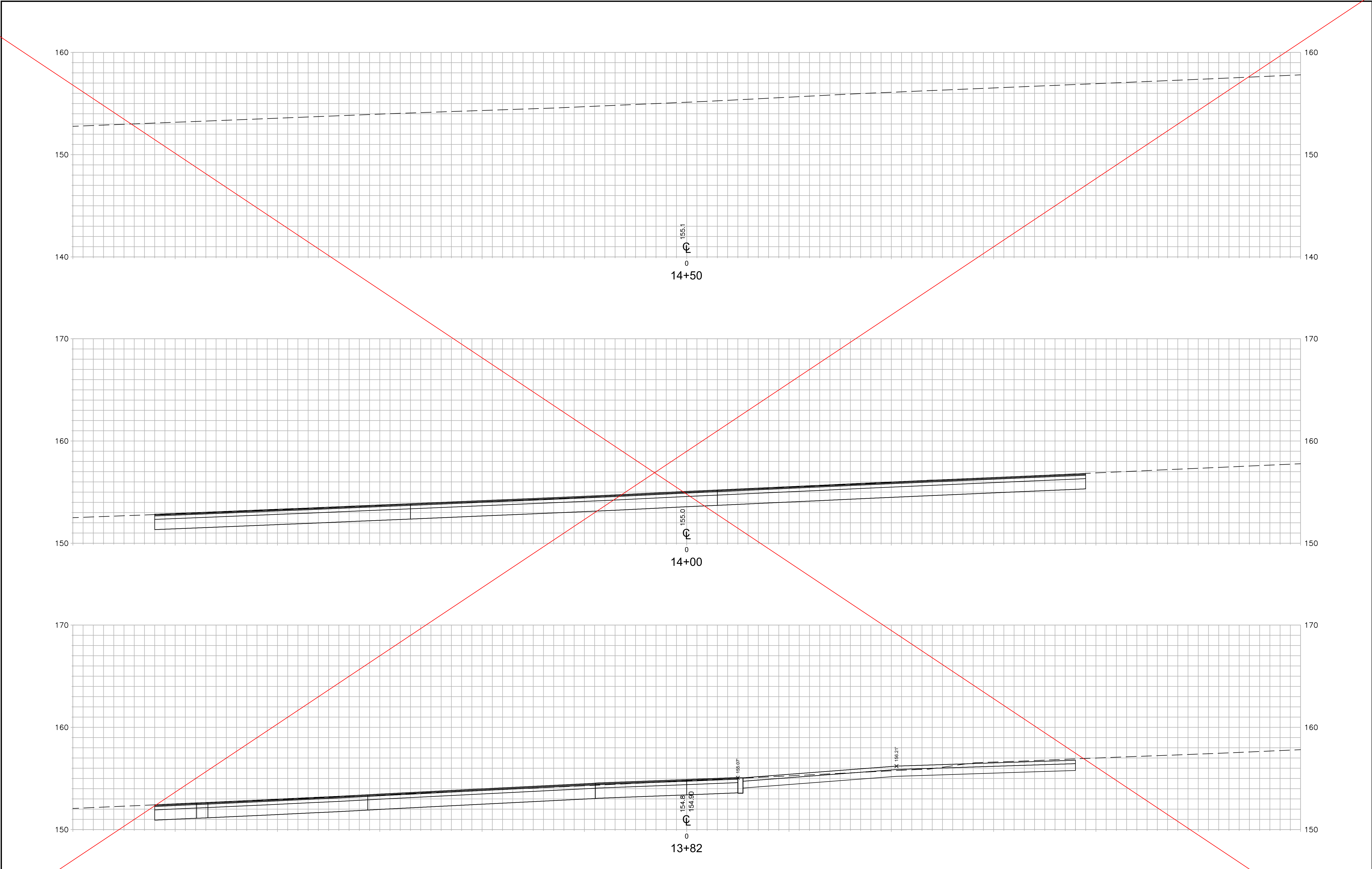
CROSS SECTIONS

RHODE ISLAND

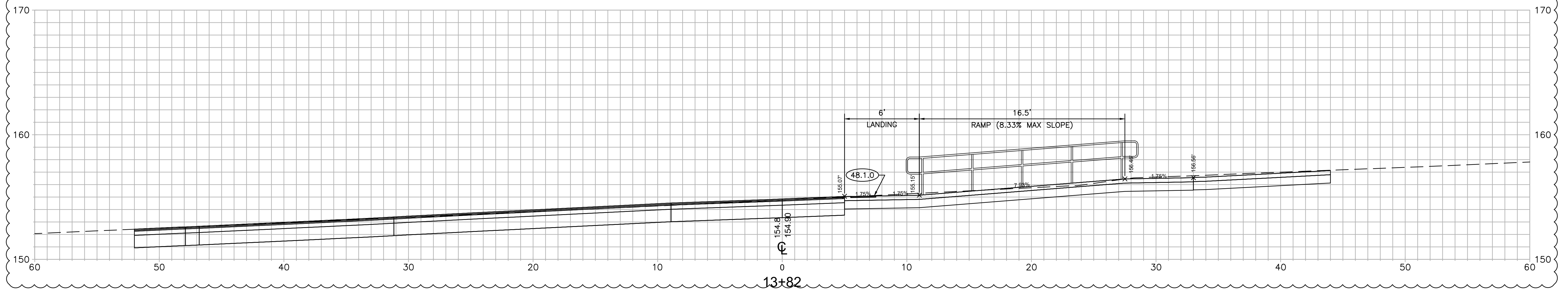
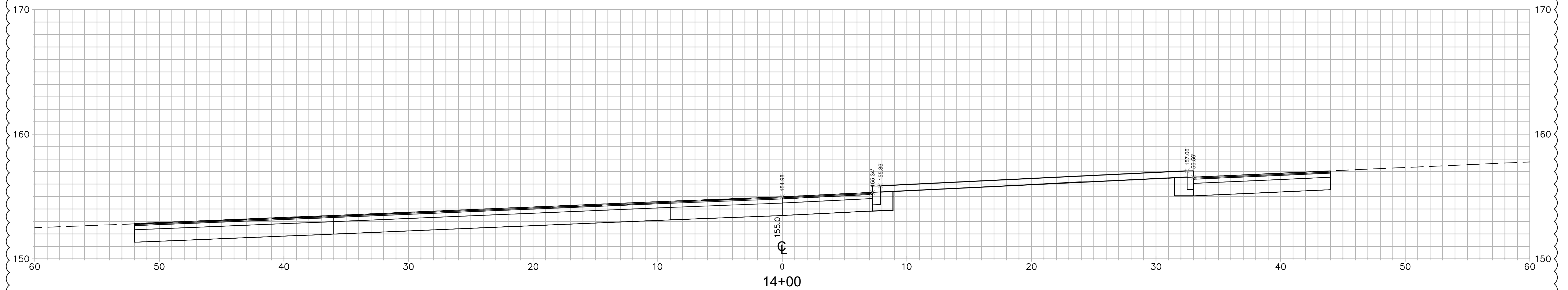
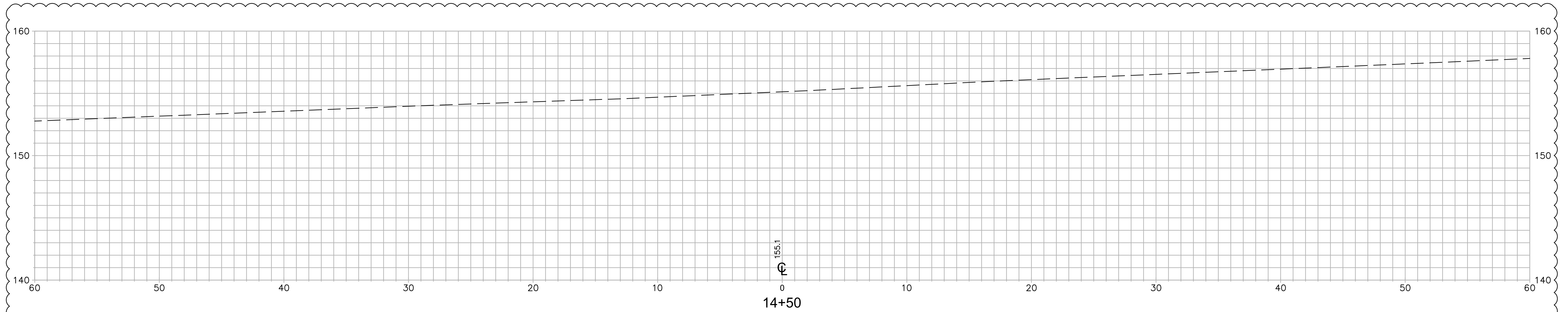
DRAWING NO.

C-303









ADDENDUM NO. 03

**Michael Baker**  
INTERNATIONAL  
56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM

DAVID B. FREEMAN  
N.E.  
1970  
PROFESSIONAL ENGINEER

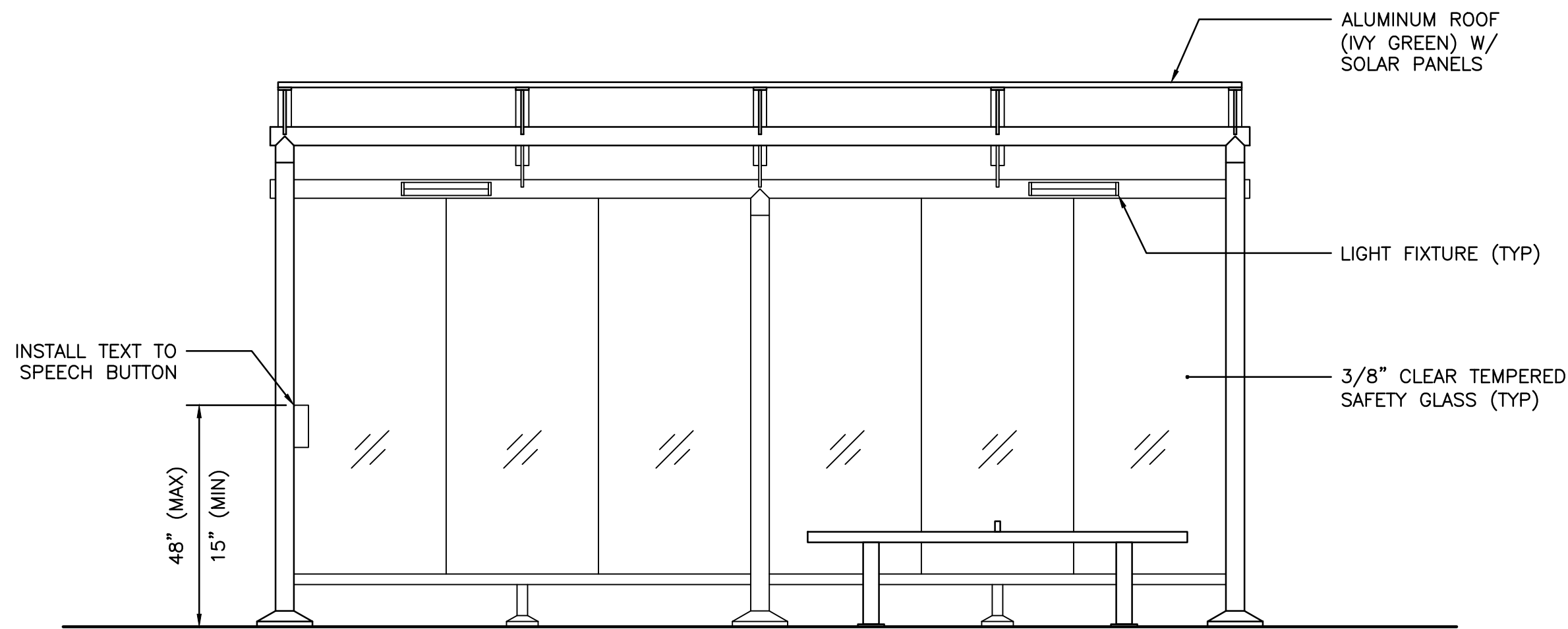
**RIPA**  
RHODE ISLAND PUBLIC TRANSIT AUTHORITY

DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 018  
OF: 027

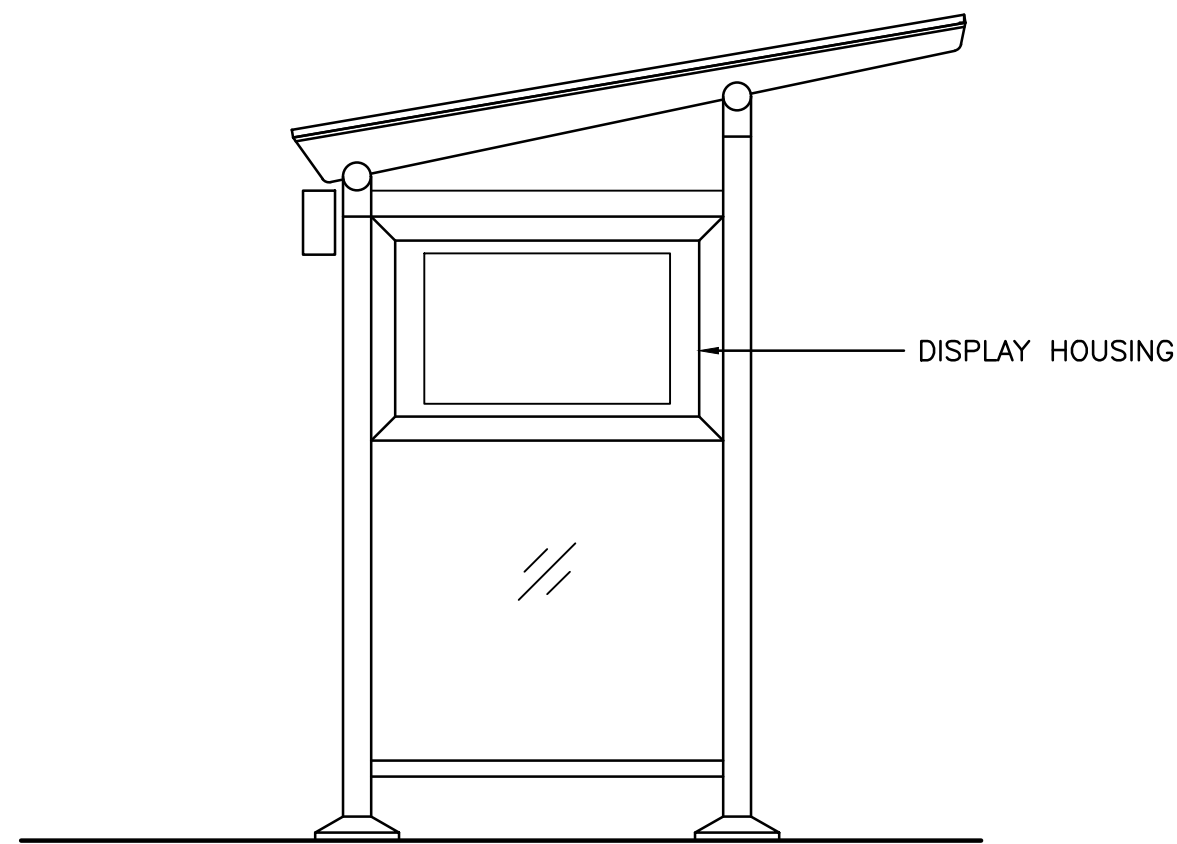
SCALE: 1"=4'  
GRAPHIC SCALE  
NO. DATE BY  
01 3/13/23 JC

WARWICK  
DRAWING TITLE:  
**CROSS SECTIONS**  
RHODE ISLAND  
DRAWING NO.:  
**C-304**

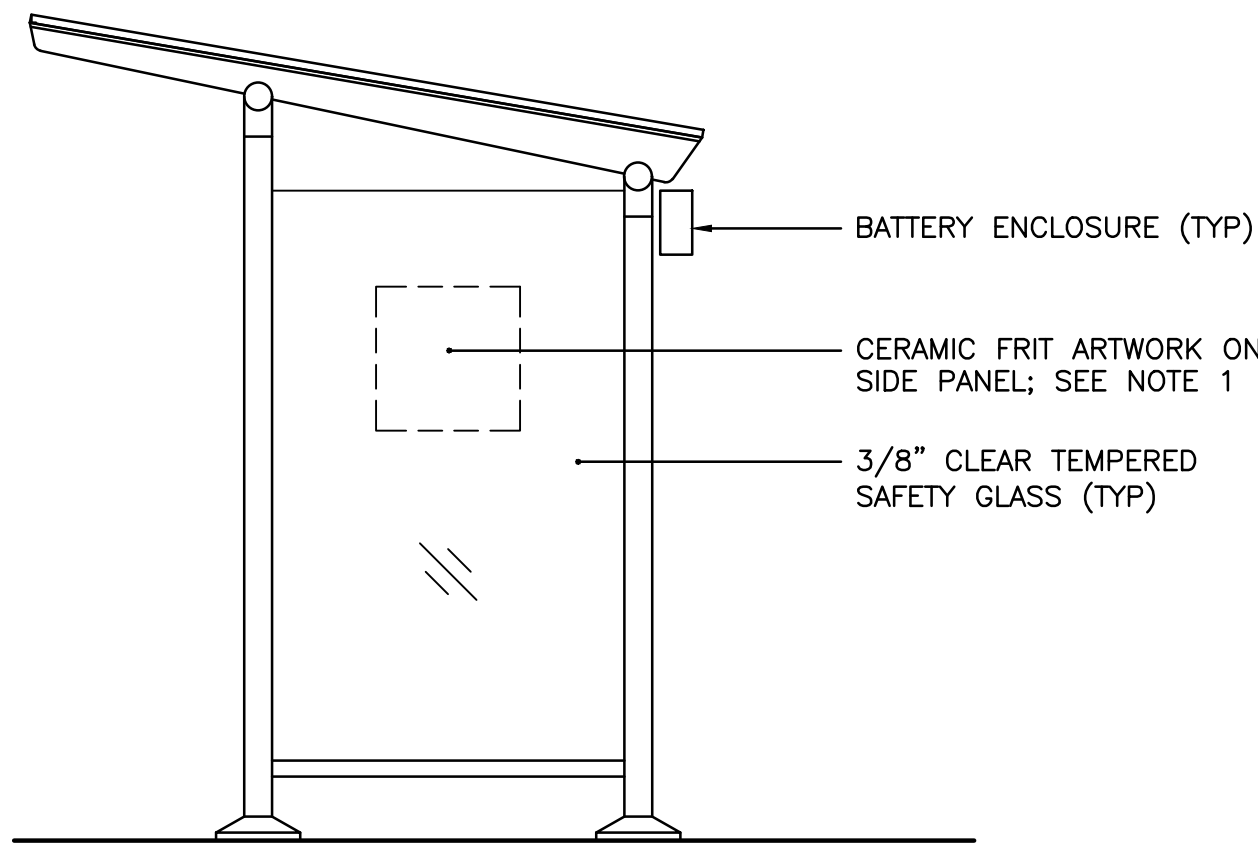




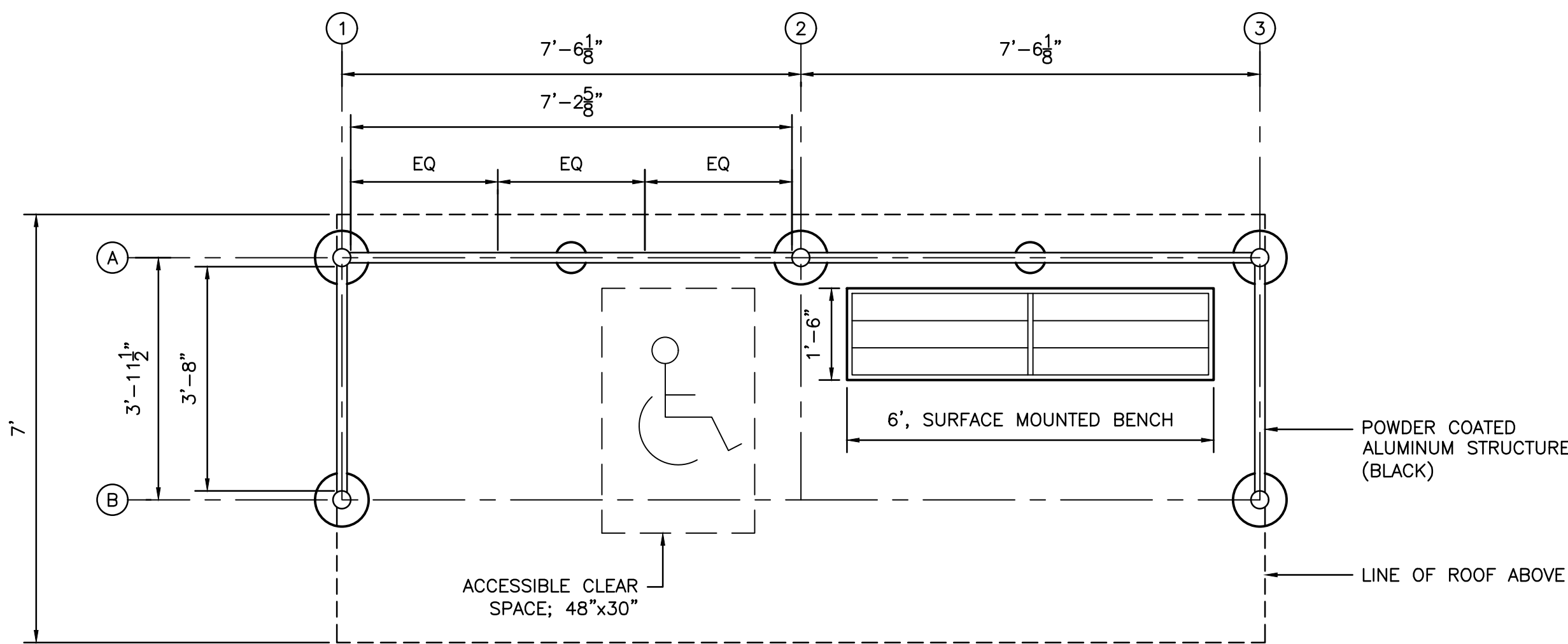
ELEVATION (FRONT)  
SCALE: 1/2" = 1'-0"



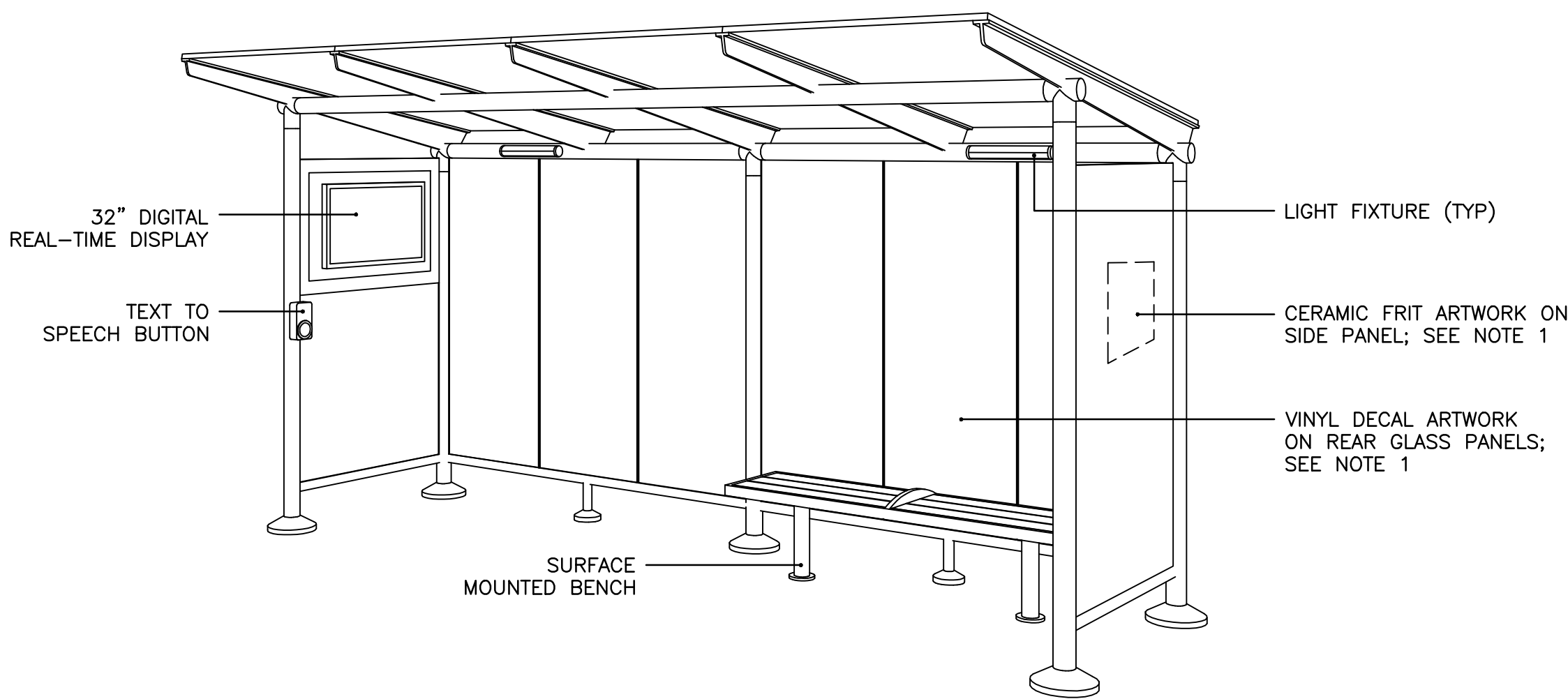
ELEVATION (LEFT SIDE)  
SCALE: 1/2" = 1'-0"



ELEVATION (RIGHT SIDE)  
SCALE: 1/2" = 1'-0"



BUS SHELTER - PLAN  
SCALE: 1/2" = 1'-0"



ISOMETRIC  
SCALE: N.T.S.

- NOTES:**
- ARTWORK DESIGN AND VECTOR FILE(S) TO BE SUPPLIED BY OWNER.
  - BUS SHELTERS SHALL PROVIDE A MINIMUM CLEAR FLOOR OR GROUND SPACE COMPLYING WITH ADA 2010 SECTION 305.

**Michael Baker**  
**INTERNATIONAL**

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



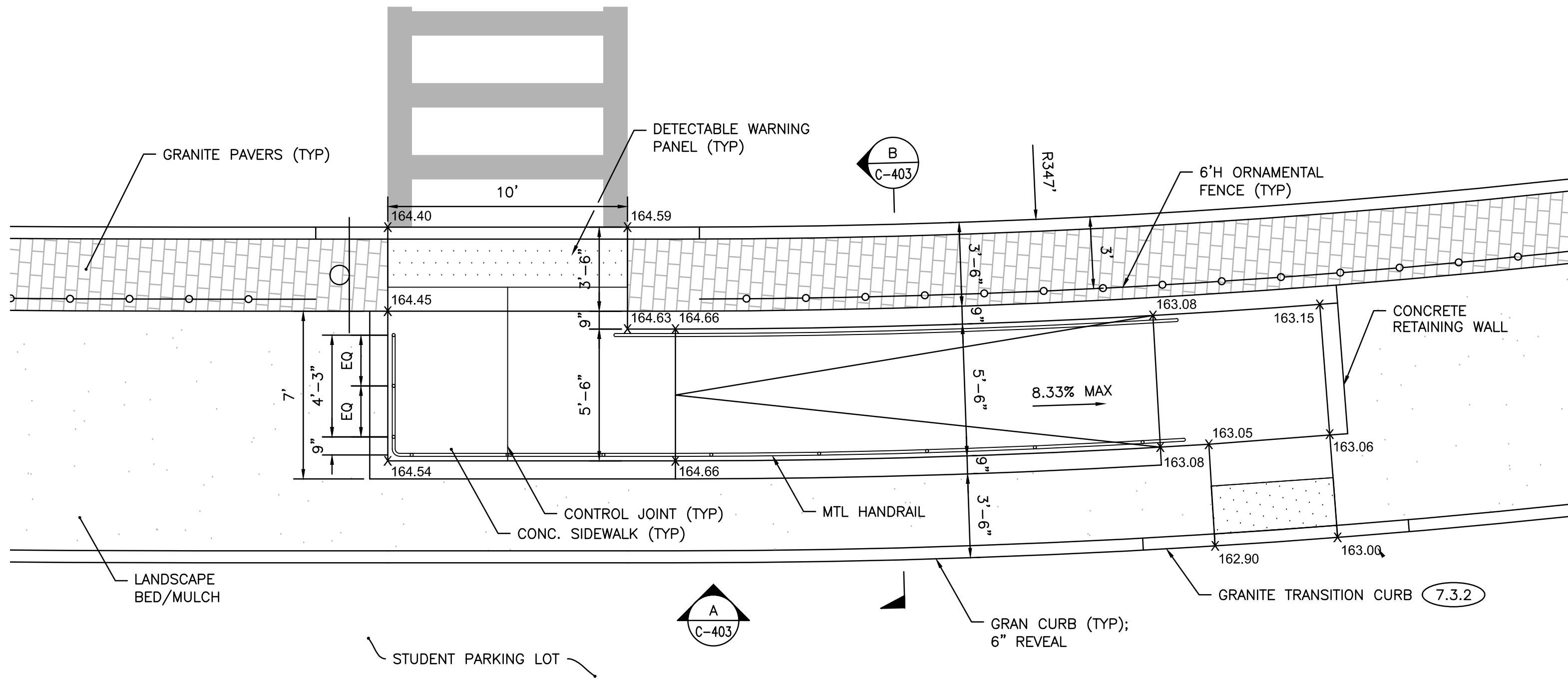
DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 019  
OF: 027

SCALE: AS NOTED

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

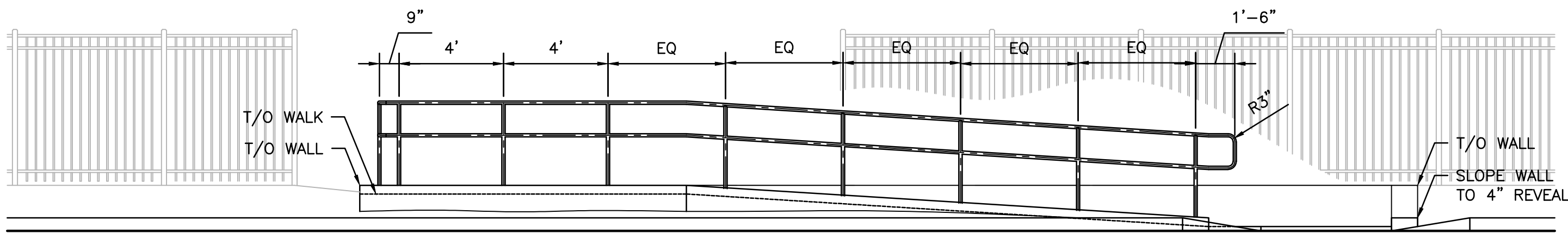
WARWICK  
DRAWING TITLE:  
**BUS SHELTER PLAN**  
RHODE ISLAND  
DRAWING NO.:  
**C-401**



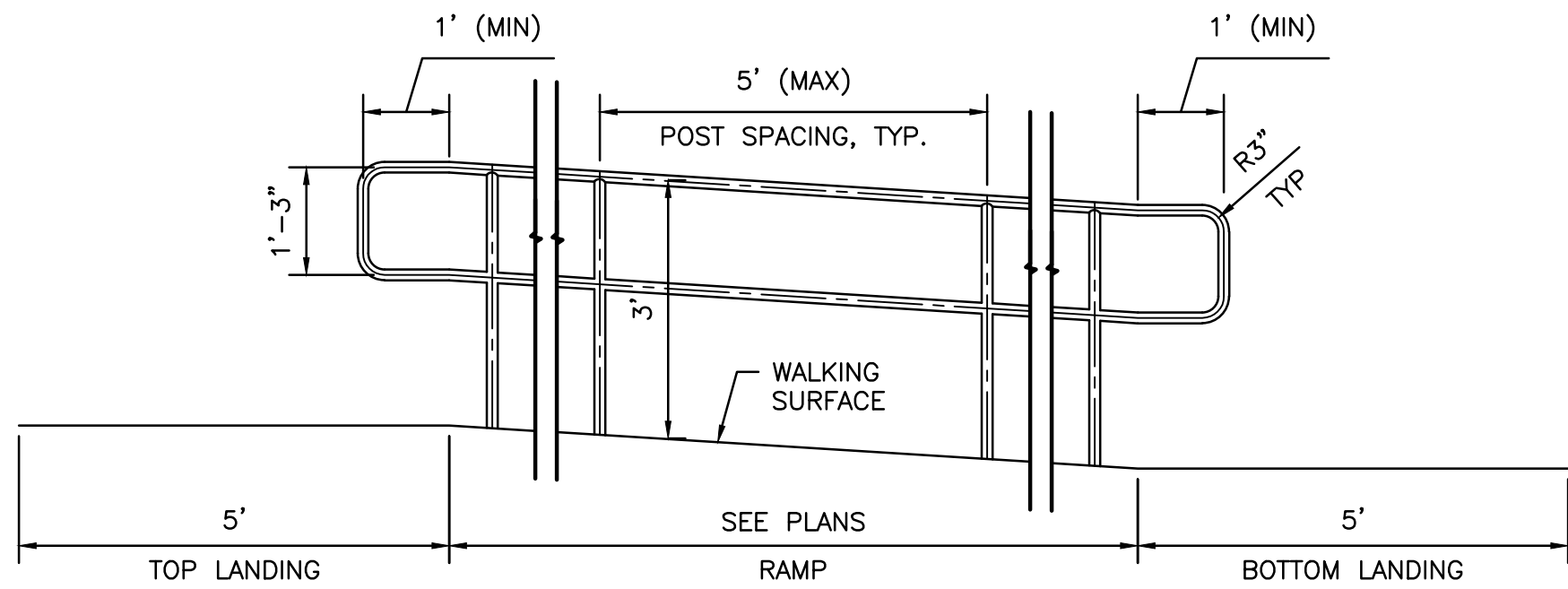


NOTES:  
1. SPOT ELEVATIONS REPRESENT PAVEMENT AND SIDEWALK FINISH GRADE. REFER TO GRADING PLAN FOR ADDITIONAL INFORMATION.

SITE RAMP - PLAN  
SCALE: 1/4" = 1'-0"

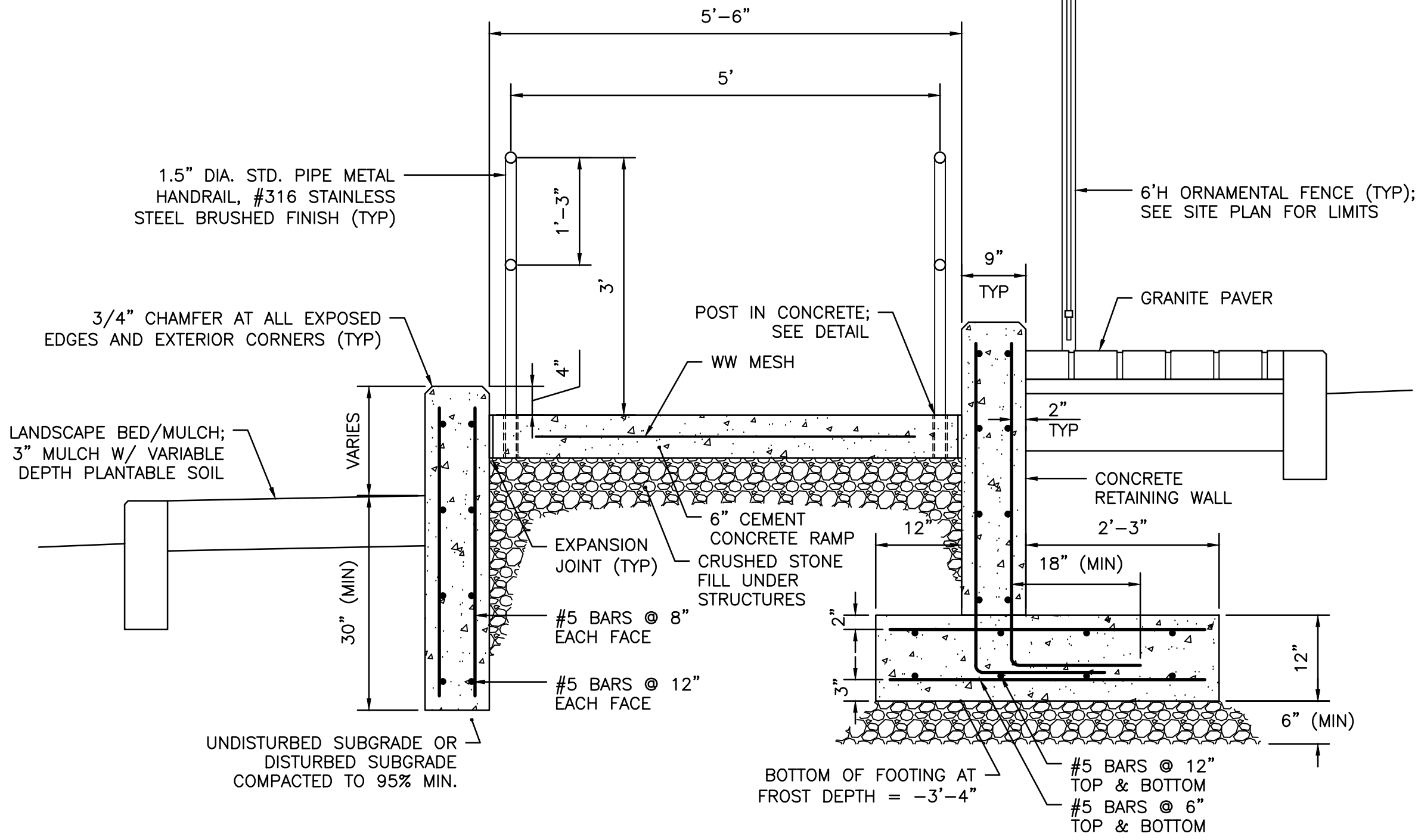


SITE RAMP - ELEVATION "A"  
SCALE: 1/4" = 1'-0"

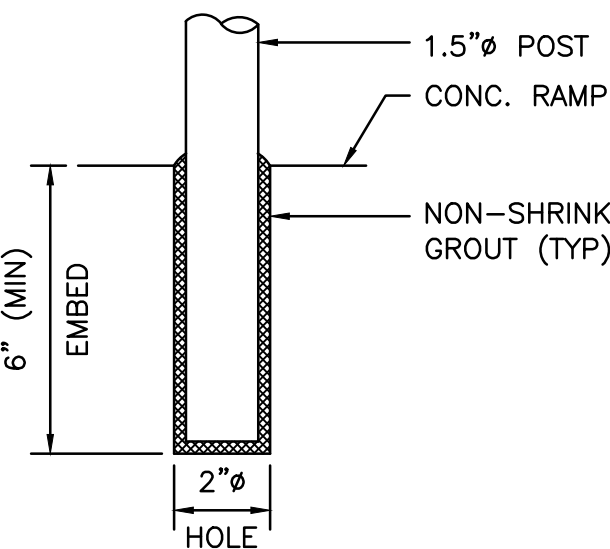


NOTES:  
1. ALL WELDS TO BE TO TYPE I CONTINUOUS  
2. LANDING LENGTH SHALL BE 60" MINIMUM AND WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. SLOPES AT LANDINGS STEEPER THAN 2% SHALL NOT BE PERMITTED.

RAMP HANDRAIL  
SCALE: 3/4" = 1'-0"



SITE RAMP - SECTION "B"  
SCALE: 3/4" = 1'-0"



POST IN CONCRETE  
SCALE: 3" = 1'-0"

NOTES:  
1. EXTEND POSTS 6" INTO THICKENED EDGE OF CONCRETE SIDEWALK, CONCRETE SLAB, TOP OF WALL OR CONCRETE FOOTING  
2. CORE DRILL OPENINGS SO THAT INSIDE DIAMETER OF POST OPENING IS 1/2" LARGER THAN OUTSIDE DIAMETER OF POST.  
3. COAT END OF PIPE WITH ZINC CHROMATE PRIMER OR HEAVY BITUMINOUS PAINT TO PROTECT AGAINST ACCELERATED CORROSION.  
4. POST TO BE SET IN NON-SHRINK, NON-METALLIC GROUT.

Michael Baker  
INTERNATIONAL

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



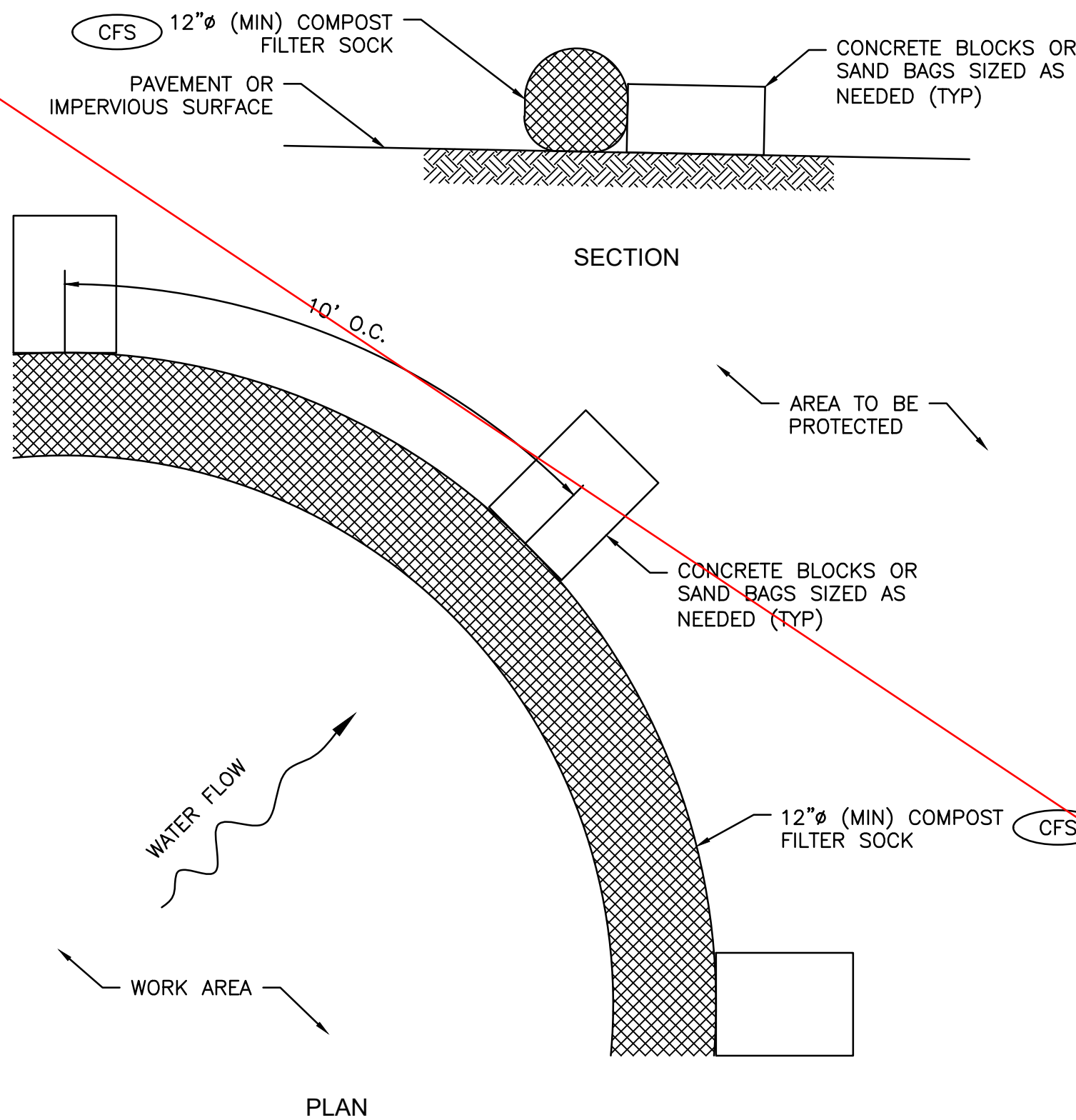
DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 020  
OF: 027

SCALE: AS NOTED

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

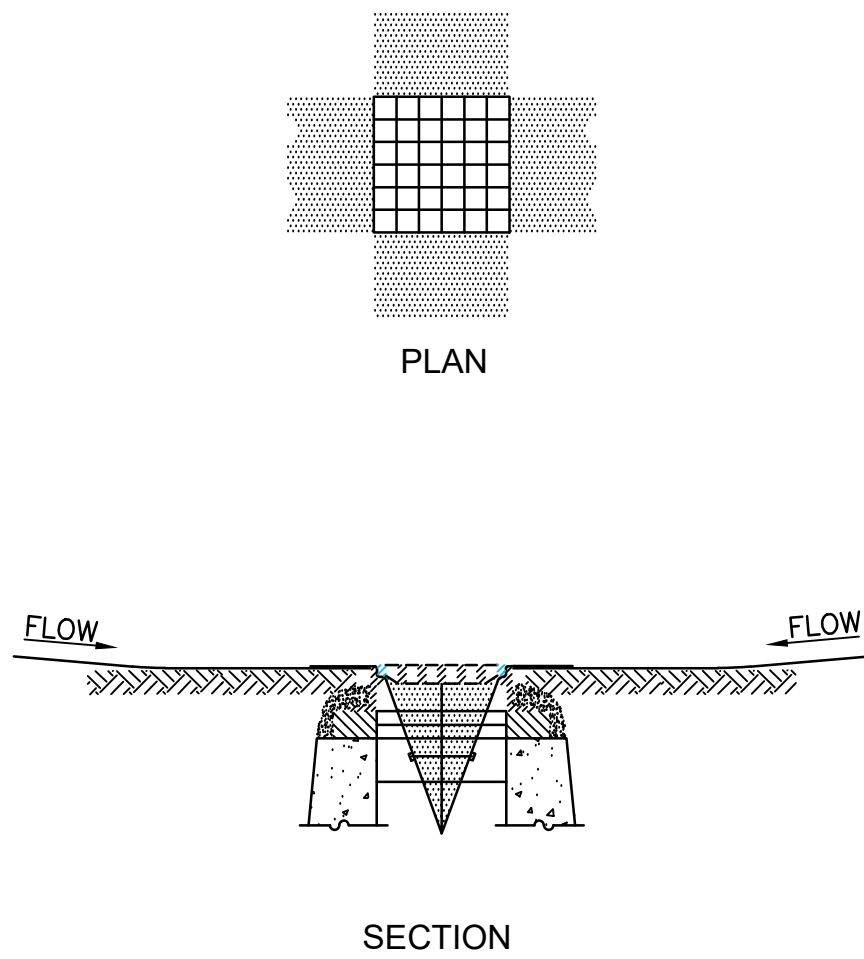
RIPTA-CCRI ENHANCED BUS  
SERVICE PROJECT  
DRAWING TITLE:  
SITE RAMP DETAILS  
DRAWING NO.:  
C-402





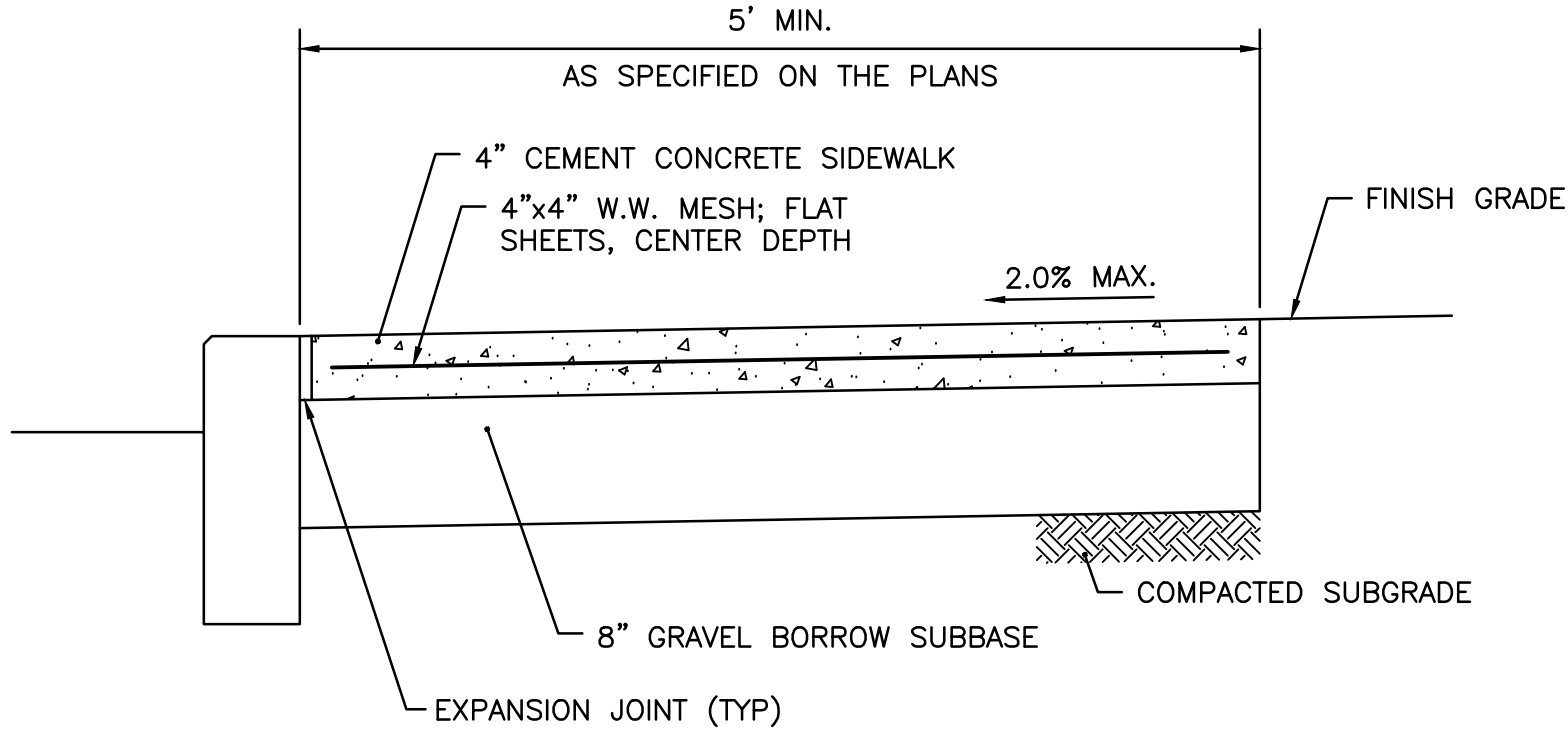
- NOTES:
1. ALL MATERIAL TO MEET REQUIREMENTS OF SECTION 206 OF RI STANDARD SPECIFICATIONS.
  2. COMPOST MATERIAL MUST BE ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT.

COMPOST FILTER SOCK ON PAVEMENT  
SCALE: NTS



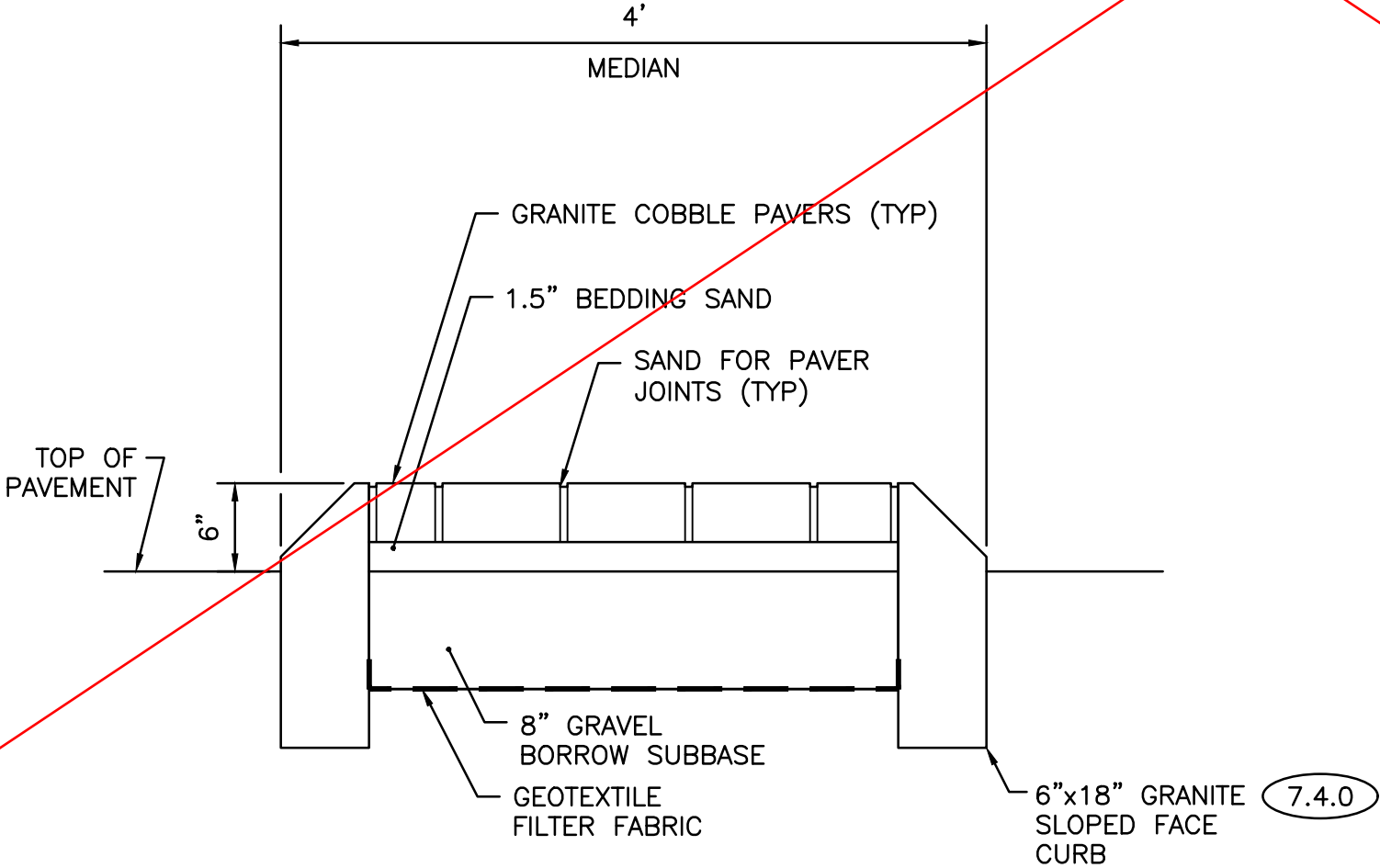
- NOTES:
1. INSTALL INLET PROTECTION SACK IN EXISTING CATCH BASINS, BEFORE COMMENCING WORK, AND IN NEW CATCH BASINS IMMEDIATELY AFTER INSTALLATION OF STRUCTURE. MAINTAIN UNTIL BINDER COURSE PAVING IS COMPLETE OR A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED.
  2. GRATE TO BE PLACED OVER INLET PROTECTION SACK.
  3. INLET PROTECTION SACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED.

SILT SACK (SLT)  
SCALE: NTS



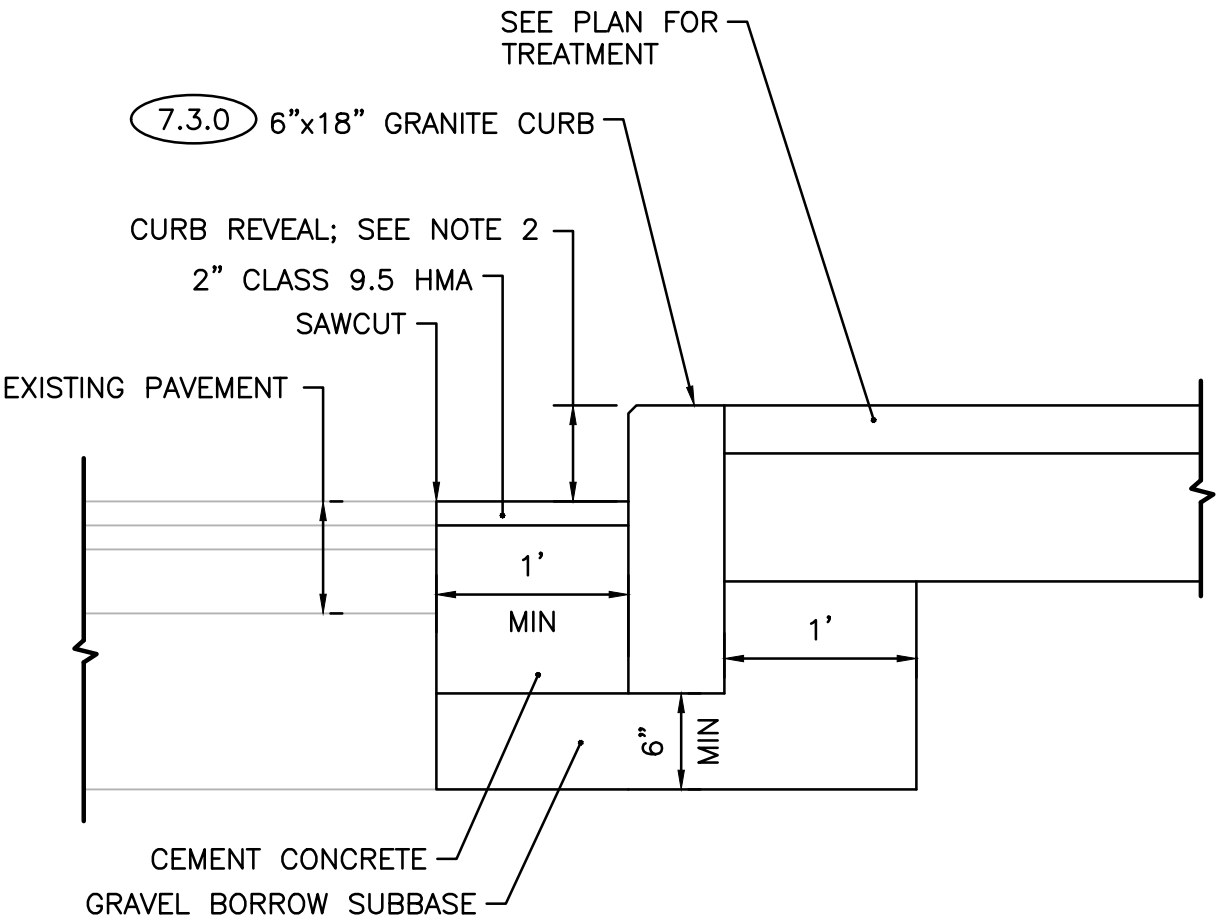
- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
  2. PROVIDE EXPANSION JOINTS AT MIN. 20' O.C. WITH PREFORMED JOINT FILLER; PROVIDE TOOLED DUMMY JOINTS AT 5' O.C.
  3. PROVIDE BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.

CONCRETE SIDEWALK (4.3.1.0)  
SCALE: NTS



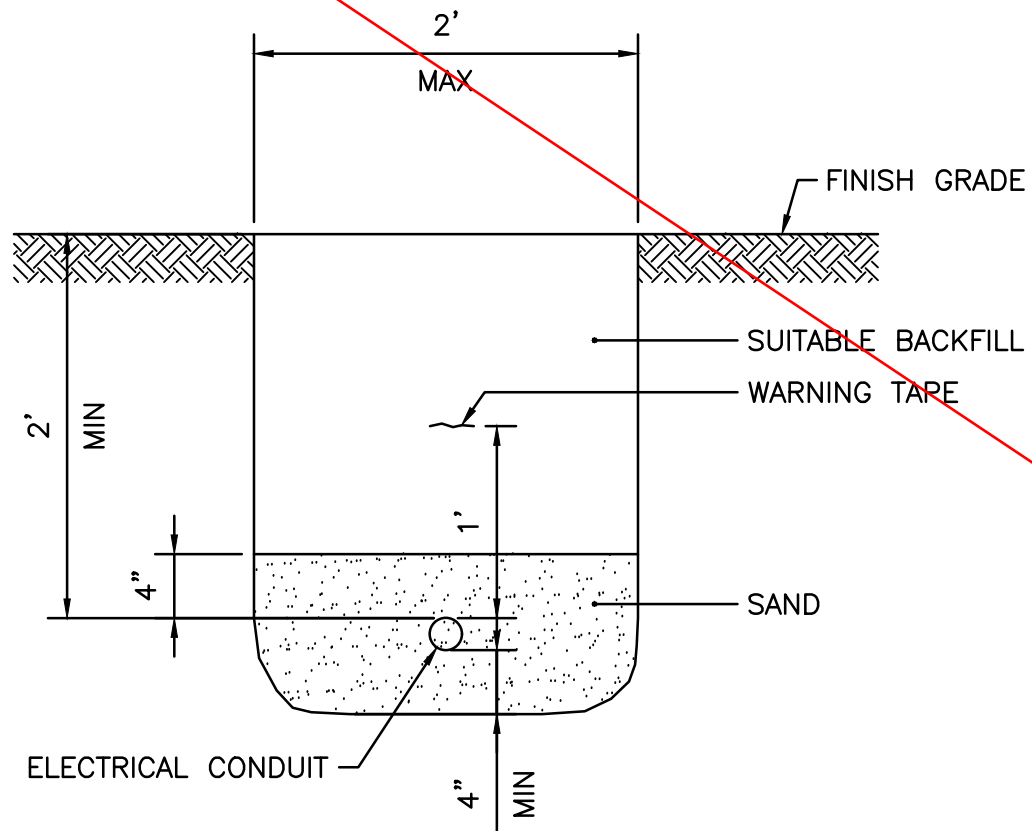
- NOTES:
1. INSTALL EDGE RESTRAINT ALONG PERIMETER FOR PAVER AREAS NOT BUTTING AGAINST CURB, SIDEWALK, OR A FOUNDATION. PLACE ON COMPACTED BASE AND SECURE WITH LANDSCAPE SPIKES PER MANUFACTURER RECOMMENDATIONS.

MEDIAN/GRANITE PAVER DETAIL  
SCALE: NTS

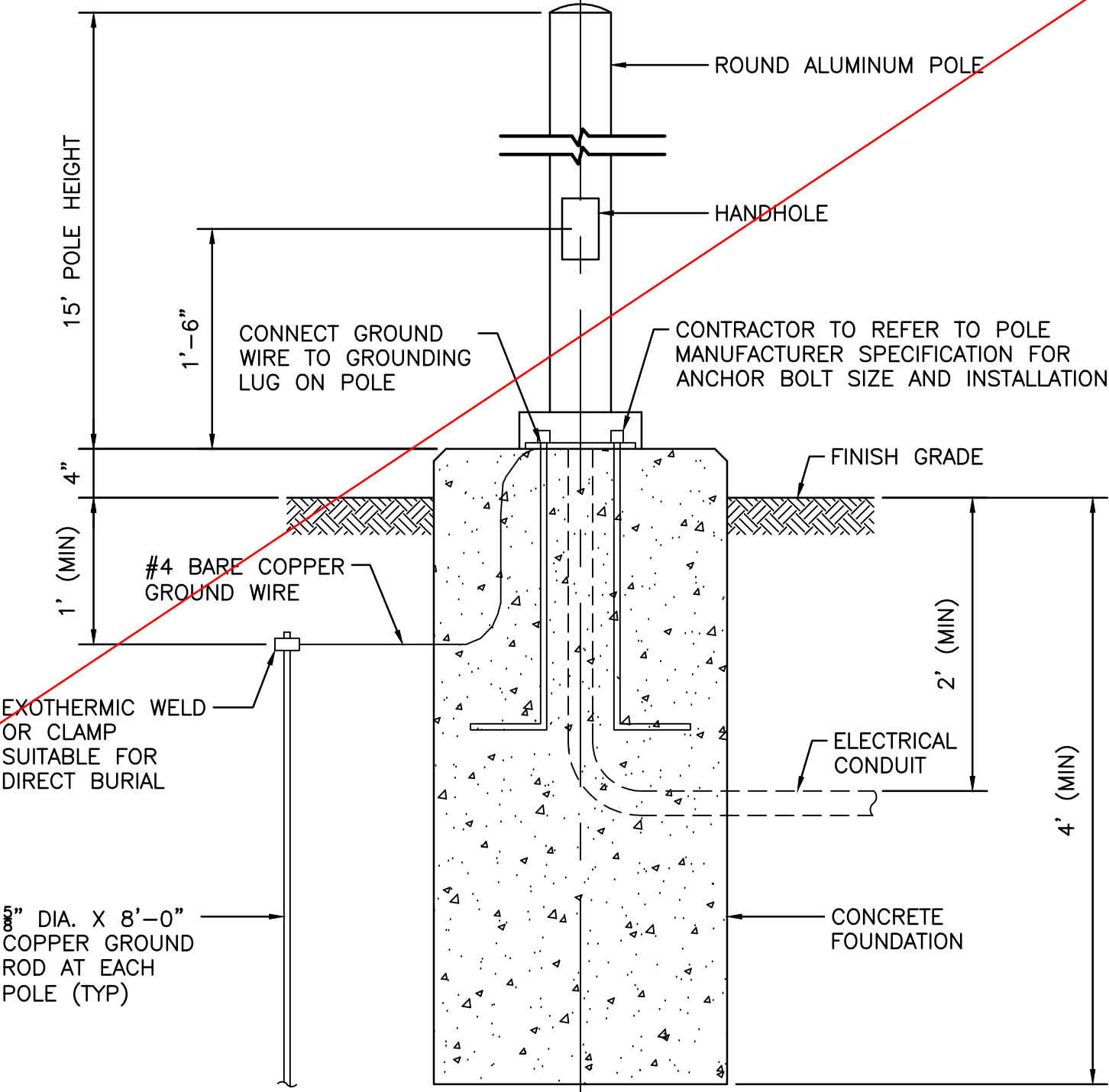


- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
  2. NEW CURBING CONSTRUCTION SHALL BE SET AT A 6 INCH REVEAL OR AS INDICATED ON PLANS OR DIRECTED BY THE ENGINEER. NEW CURBING INSTALLED ADJACENT TO EXISTING CURBING SHALL MATCH THE EXISTING REVEAL OR A MINIMUM OF 4 INCHES, WHICHEVER IS GREATER. IF ADJACENT EXISTING REVEAL IS LESS THAN 4 INCHES, THE FIRST SECTION OF NEW CURB SHALL TRANSITION TO 4 INCH REVEAL.

CURB SETTING DETAIL IN EXISTING PAVEMENT (7.6.0)  
SCALE: NTS

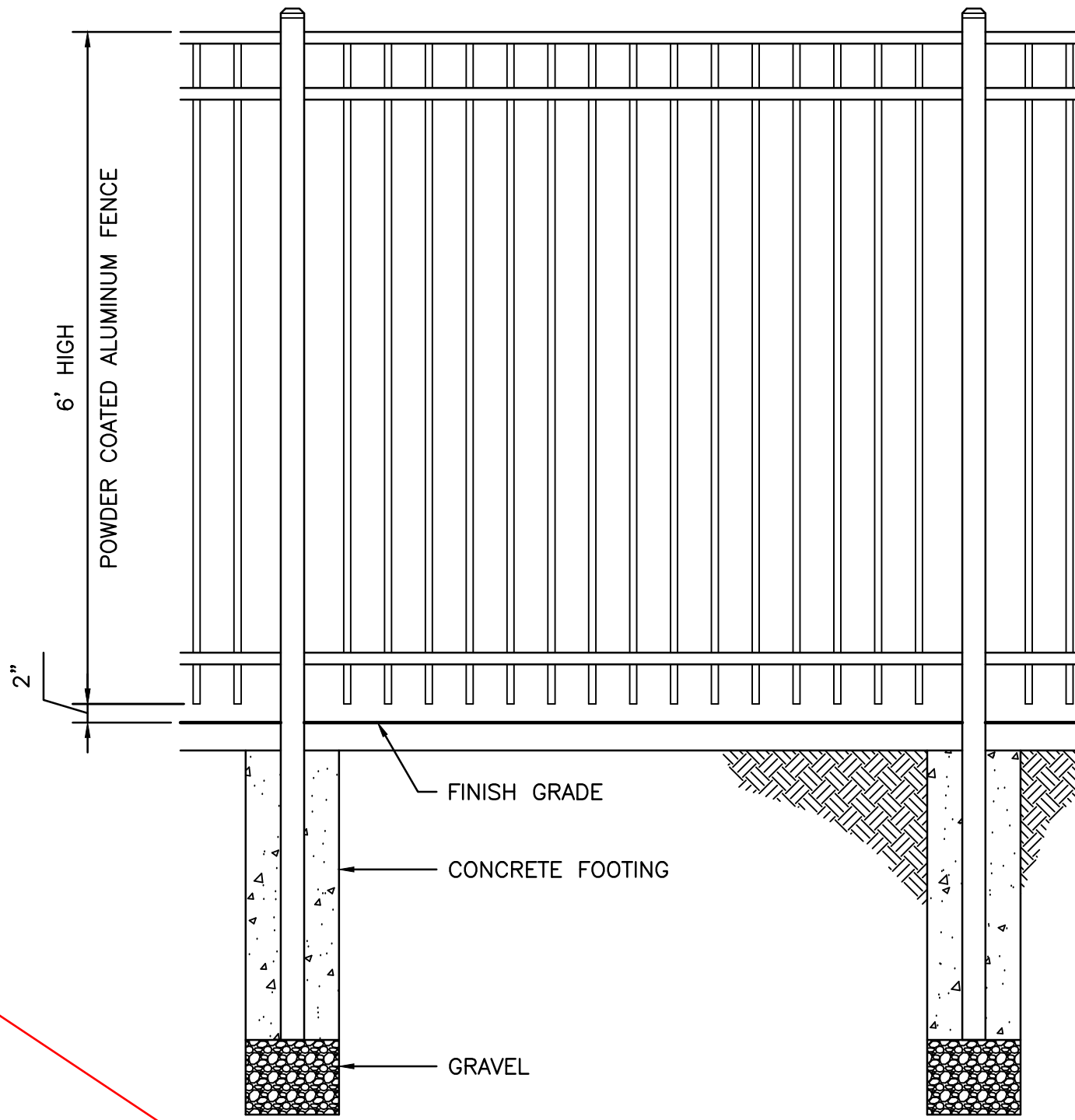


TRENCH DETAIL - CONDUIT UNDER EARTH  
SCALE: NTS



- NOTES:
1. ALL EQUIPMENT AND CONNECTIONS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
  2. CONTRACTOR SHALL PROVIDE OPTIMIZED CAMERA VIEWING ANGLE AND FIELD OF VIEW BASED ON SELECTED CAMERA SPECIFICATIONS.
  3. TEST ALL WIRING FOR CONTINUITY AND GROUNDS BEFORE CONNECTING ANY FIXTURES OR DEVICES. PERFORM INSULATION RESISTANCE TESTS ON ALL WIRING TO ENSURE THAT ALL PORTIONS ARE FREE FROM SHORT-CIRCUITS AND GROUNDS.
  4. PROVIDE GROUNDING IN ACCORDANCE WITH THE NEC.
  5. PROVIDE POWER CONNECTION/SERVICE FROM NEAREST HAND HOLE. COORDINATE WITH CCRI, VERIFY ALL REQUIREMENTS, AND COORDINATE EFFORTS.

CCTV CAMERA AND POLE  
SCALE: NTS



- NOTES:
1. INSTALL FENCE PER MANUFACTURER RECOMMENDATIONS.

6' HIGH ORNAMENTAL FENCE  
SCALE: NTS



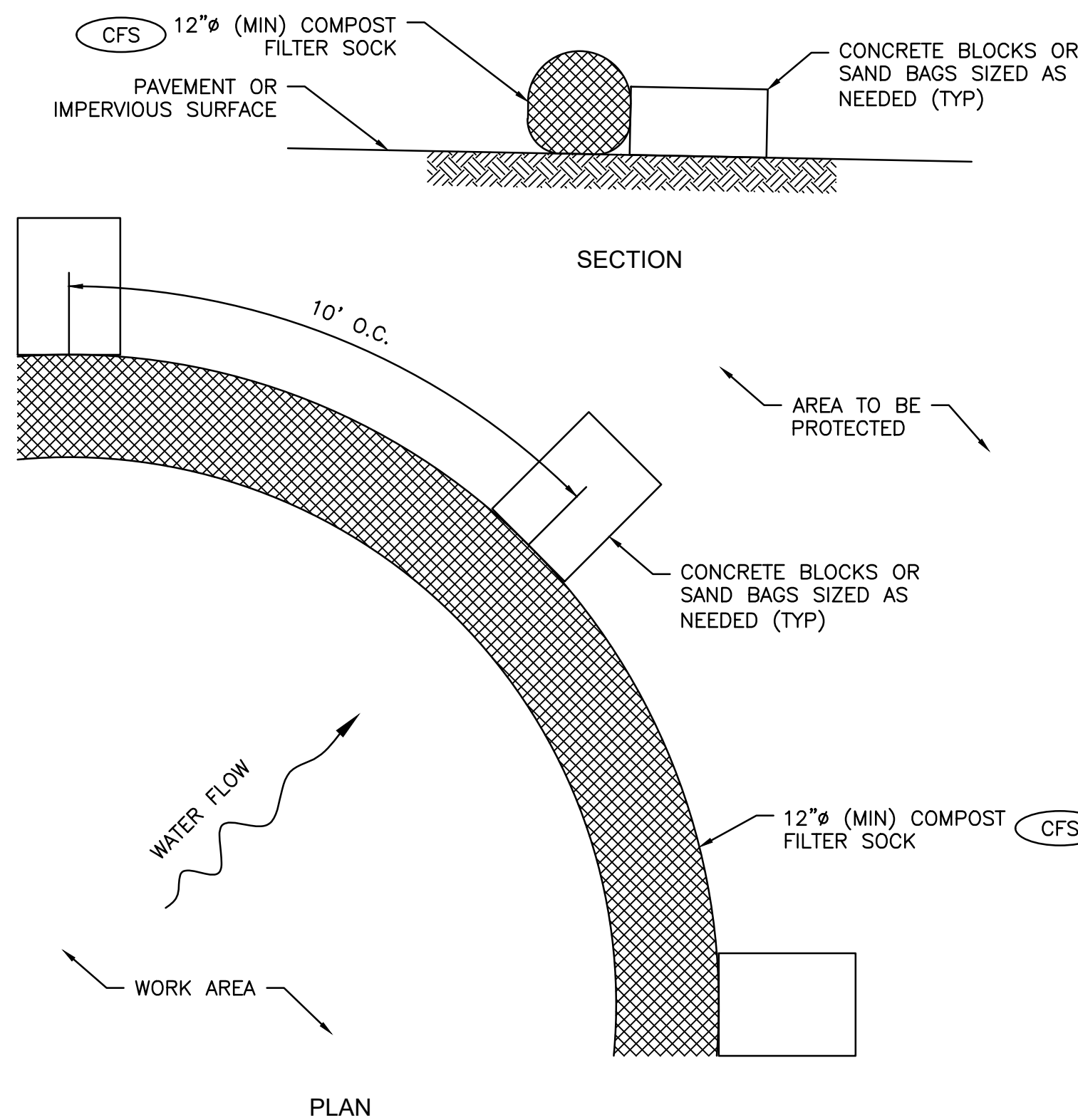
DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 021  
OF: 027

SCALE: AS NOTED

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

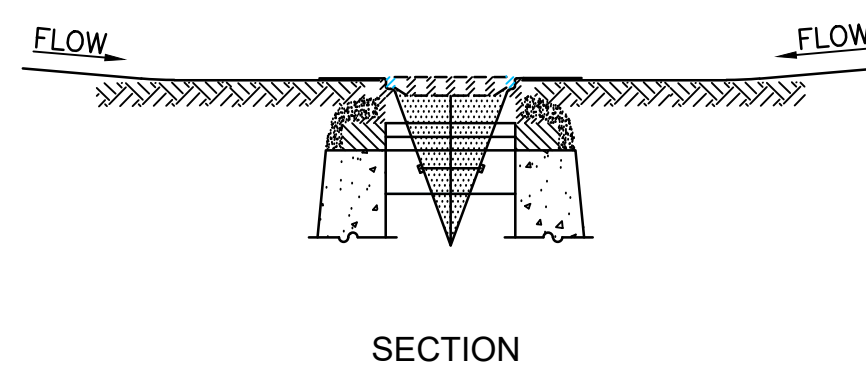
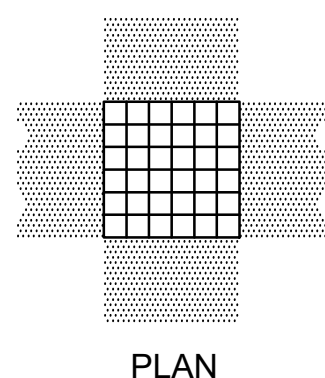
WARWICK		RHODE ISLAND	
DRAWING TITLE:		DRAWING NO.	
CIVIL DETAILS		C-501	





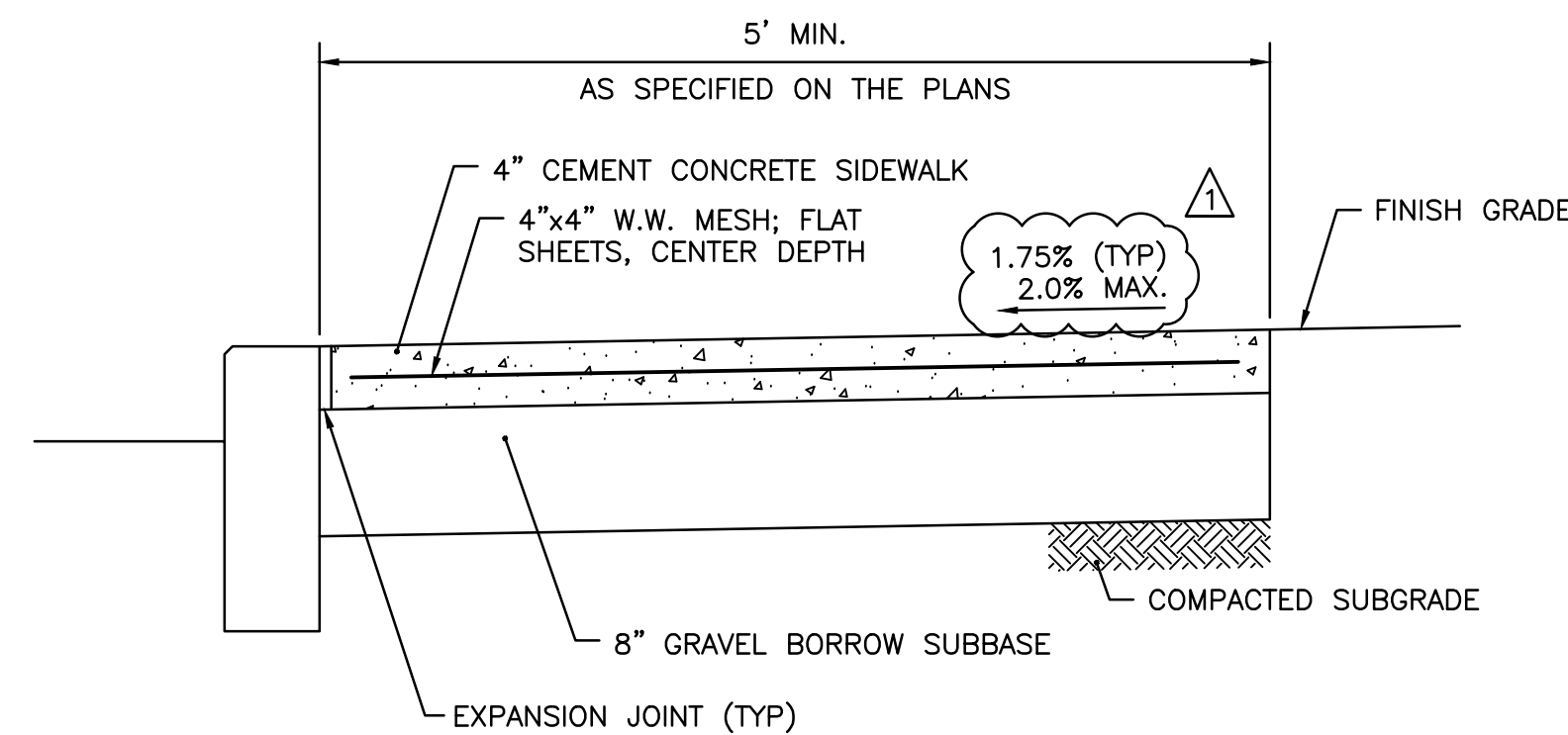
- NOTES:**
1. ALL MATERIAL TO MEET REQUIREMENTS OF SECTION 206 OF RI STANDARD SPECIFICATIONS.
  2. COMPOST MATERIAL MUST BE ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT.

**COMPOST FILTER SOCK ON PAVEMENT**  
SCALE: NTS



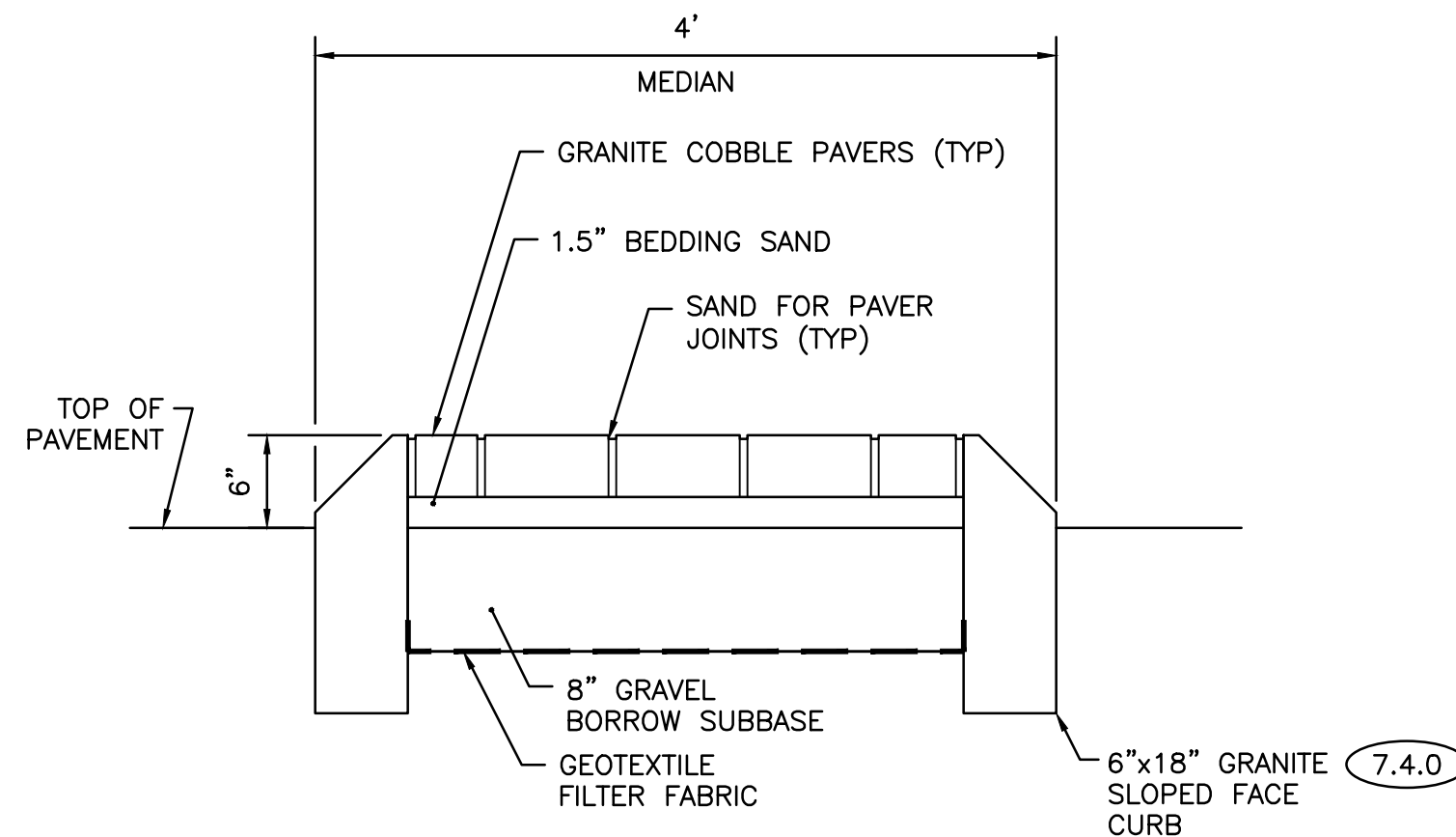
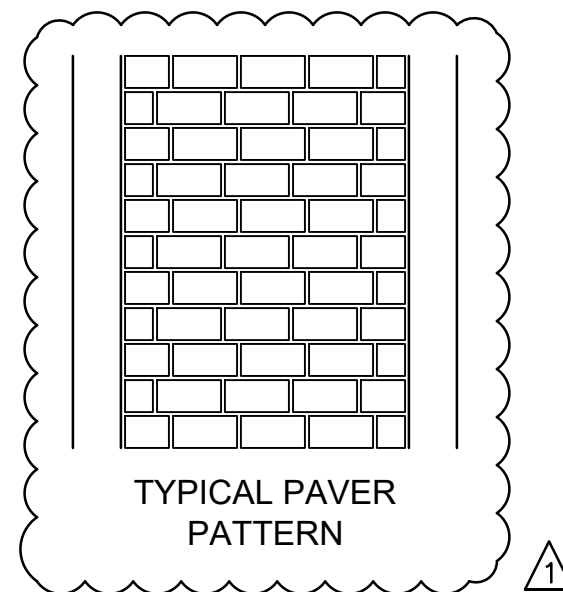
- NOTES:**
1. INSTALL INLET PROTECTION SACK IN EXISTING CATCH BASINS, BEFORE COMMENCING WORK, AND IN NEW CATCH BASINS IMMEDIATELY AFTER INSTALLATION OF STRUCTURE. MAINTAIN UNTIL BINDER COURSE PAVING IS COMPLETE.
  2. INSTALL PER MANUFACTURER'S DIRECTIONS
  3. INLET PROTECTION SACK SHALL BE INSPECTED WEEKLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED.

**SILT SACK** (SLT)  
SCALE: NTS



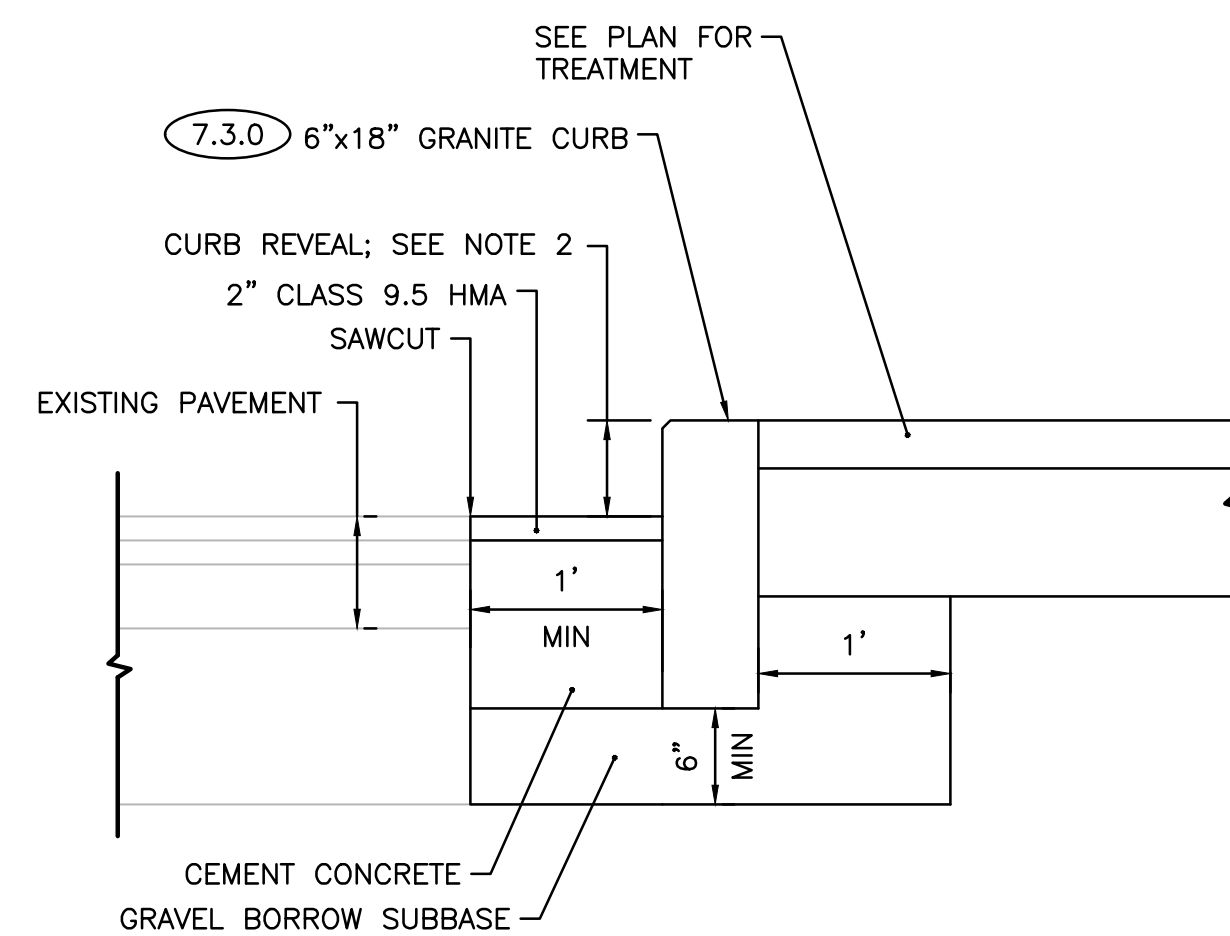
- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
  2. PROVIDE EXPANSION JOINTS AT MIN. 20' O.C. WITH PREFORMED JOINT FILLER; PROVIDE TOOLED DUMMY JOINTS AT 5' O.C.
  3. PROVIDE BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.
  4. SIDEWALK CROSS SLOPE OVER 2.0% WILL NOT BE ACCEPTED.

**CONCRETE SIDEWALK** (43.1.0)  
SCALE: NTS



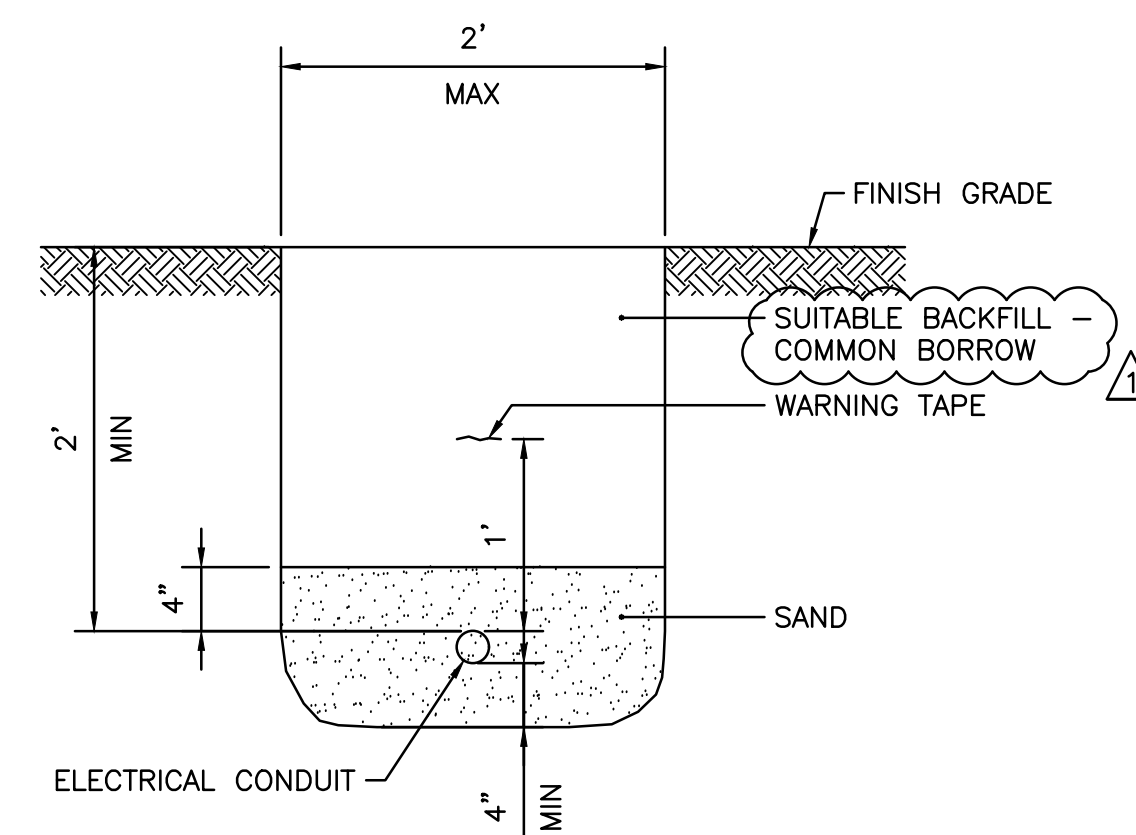
- NOTES:**
1. INSTALL EDGE RESTRAINT ALONG PERIMETER FOR PAVER AREAS NOT BUTTING AGAINST CURB, SIDEWALK, OR A FOUNDATION. PLACE ON COMPACTED BASE AND SECURE WITH LANDSCAPE SPIKES PER MANUFACTURER RECOMMENDATIONS.

**MEDIAN/GRANITE PAVER DETAIL**  
SCALE: NTS

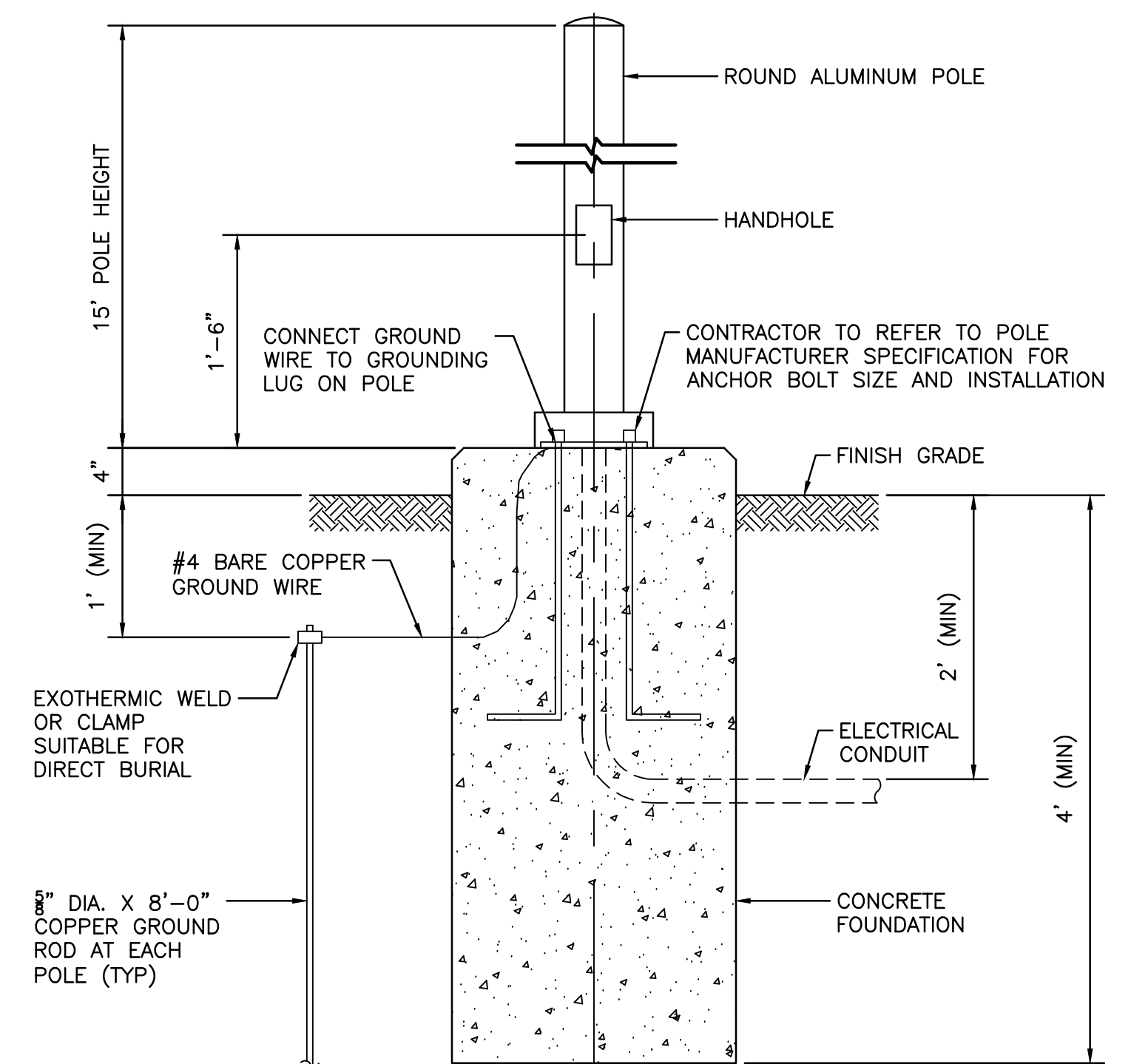


- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
  2. NEW CURBING CONSTRUCTION SHALL BE SET AT A 6 INCH REVEAL OR AS INDICATED ON PLANS OR DIRECTED BY THE ENGINEER. NEW CURBING INSTALLED ADJACENT TO EXISTING CURBING SHALL MATCH THE EXISTING REVEAL OR A MINIMUM OF 4 INCHES, WHICHEVER IS GREATER. IF ADJACENT EXISTING REVEAL IS LESS THAN 4 INCHES, THE FIRST SECTION OF NEW CURB SHALL TRANSITION TO 4 INCH REVEAL.

**CURB SETTING DETAIL IN EXISTING PAVEMENT** (7.6.0)  
SCALE: NTS

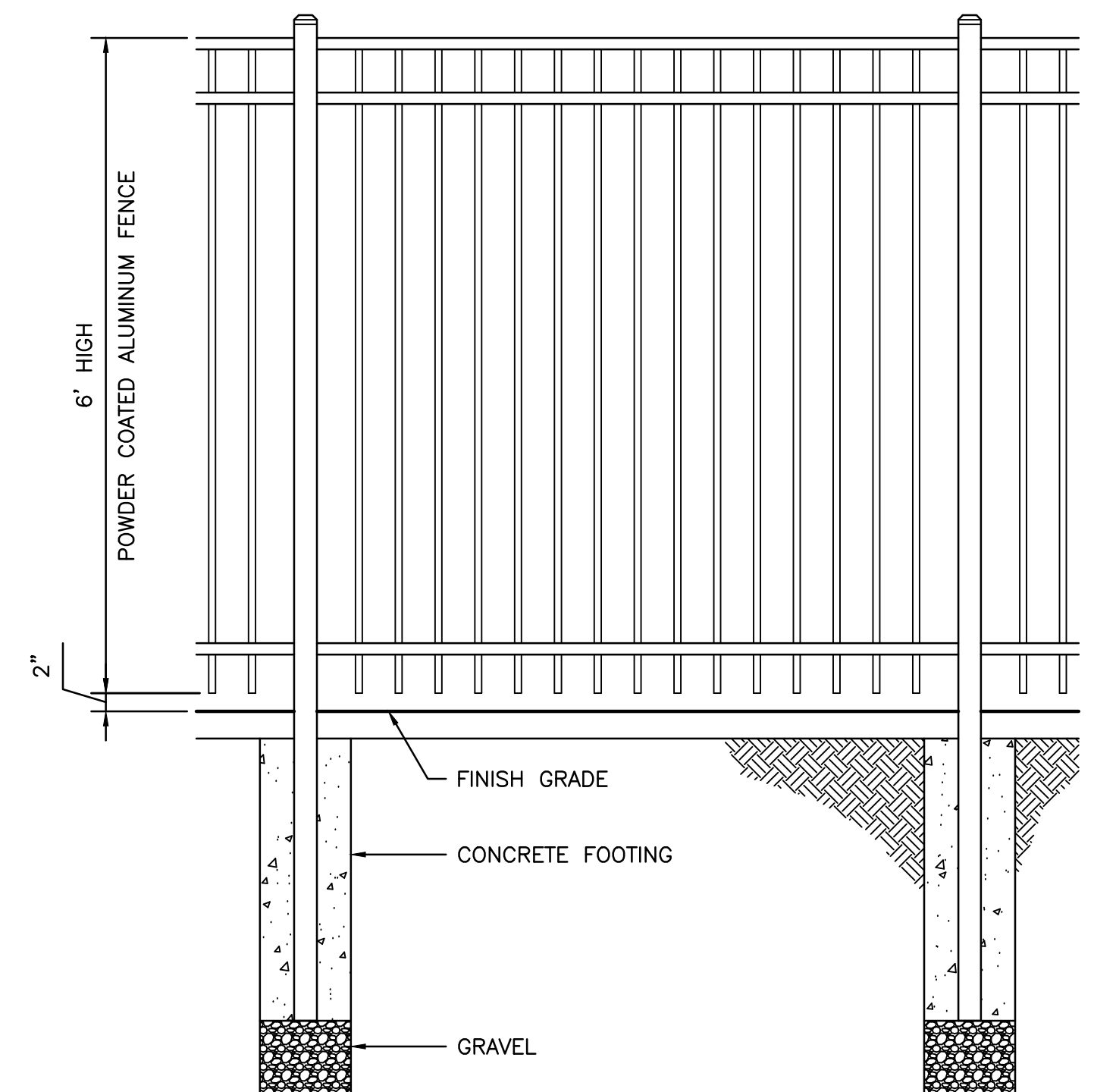


**TRENCH DETAIL - CONDUIT UNDER EARTH**  
SCALE: NTS



- NOTES:**
1. ALL EQUIPMENT AND CONNECTIONS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
  2. CONTRACTOR SHALL PROVIDE OPTIMIZED CAMERA VIEWING ANGLE AND FIELD OF VIEW BASED ON SELECTED CAMERA SPECIFICATIONS.
  3. TEST ALL WIRING FOR CONTINUITY AND GROUNDS BEFORE CONNECTING ANY FIXTURES OR DEVICES. PERFORM INSULATION RESISTANCE TESTS ON ALL WIRING TO ENSURE THAT ALL PORTIONS ARE FREE FROM SHORT-CIRCUITS AND GROUNDS.
  4. PROVIDE GROUNDING IN ACCORDANCE WITH THE NEC.
  5. PROVIDE POWER CONNECTION/SERVICE FROM NEAREST HAND HOLE. COORDINATE WITH CCRI, VERIFY ALL REQUIREMENTS, AND COORDINATE EFFORTS.

**CCTV CAMERA AND POLE**  
SCALE: NTS



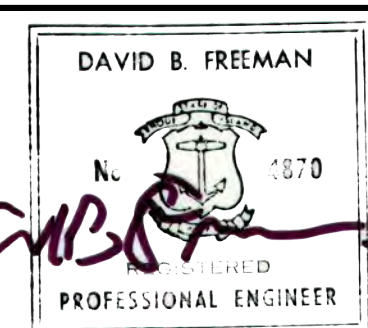
- NOTES:**
1. INSTALL FENCE PER MANUFACTURER RECOMMENDATIONS.

**6' HIGH ORNAMENTAL FENCE**  
SCALE: NTS

ADDENDUM NO. 03

**Michael Baker**  
**INTERNATIONAL**

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 021  
OF: 027

SCALE: AS NOTED

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
01	3/13/23	JC			

WARWICK  
DRAWING TITLE:

**RIPTA-CCRI ENHANCED BUS  
SERVICE PROJECT**

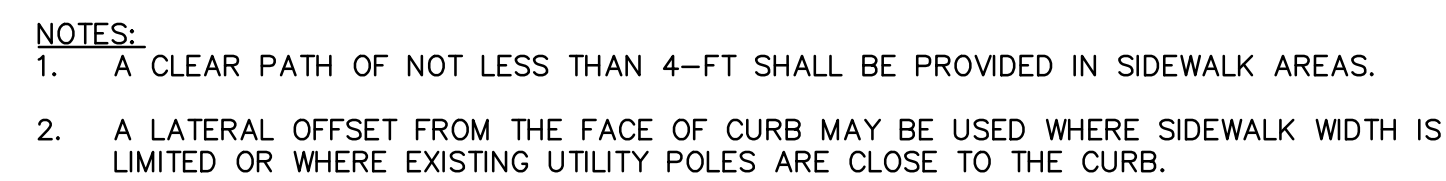
**CIVIL DETAILS**

RHODE ISLAND

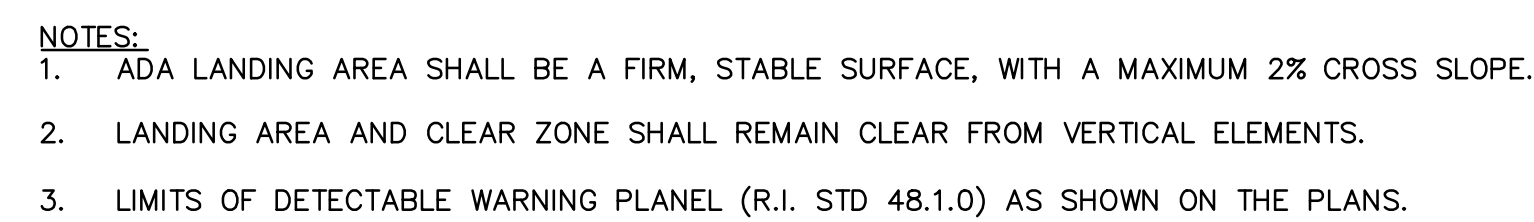
DRAWING NO.

**C-501**

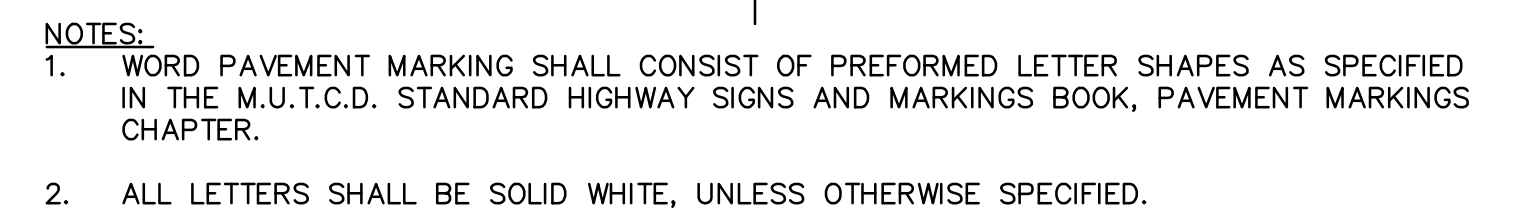




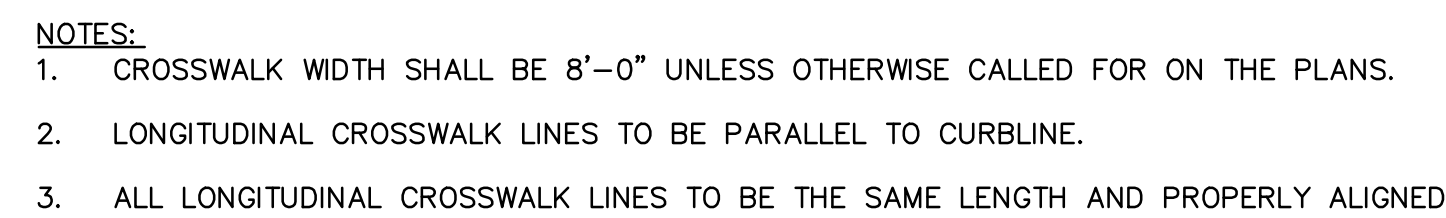
TYPICAL SIGN PLACEMENT DETAIL  
SCALE: NTS



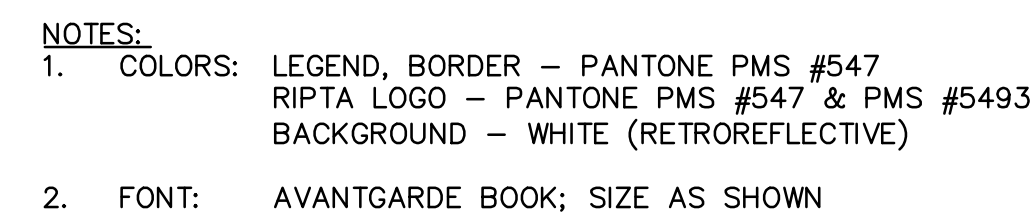
LANDING AREA AND CLEAR ZONE DETAIL BUS STOP LANDINGS  
SCALE: NTS



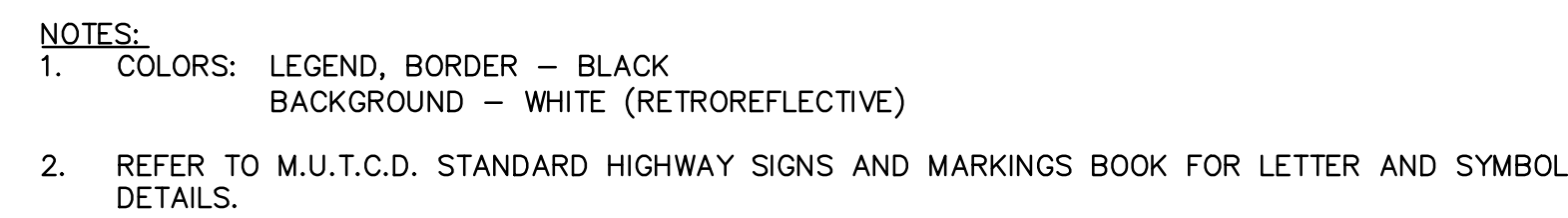
BUS ONLY PAVEMENT MARKING  
SCALE: NTS



CROSSWALK AND STOP LINE (20.3.0)  
SCALE: NTS



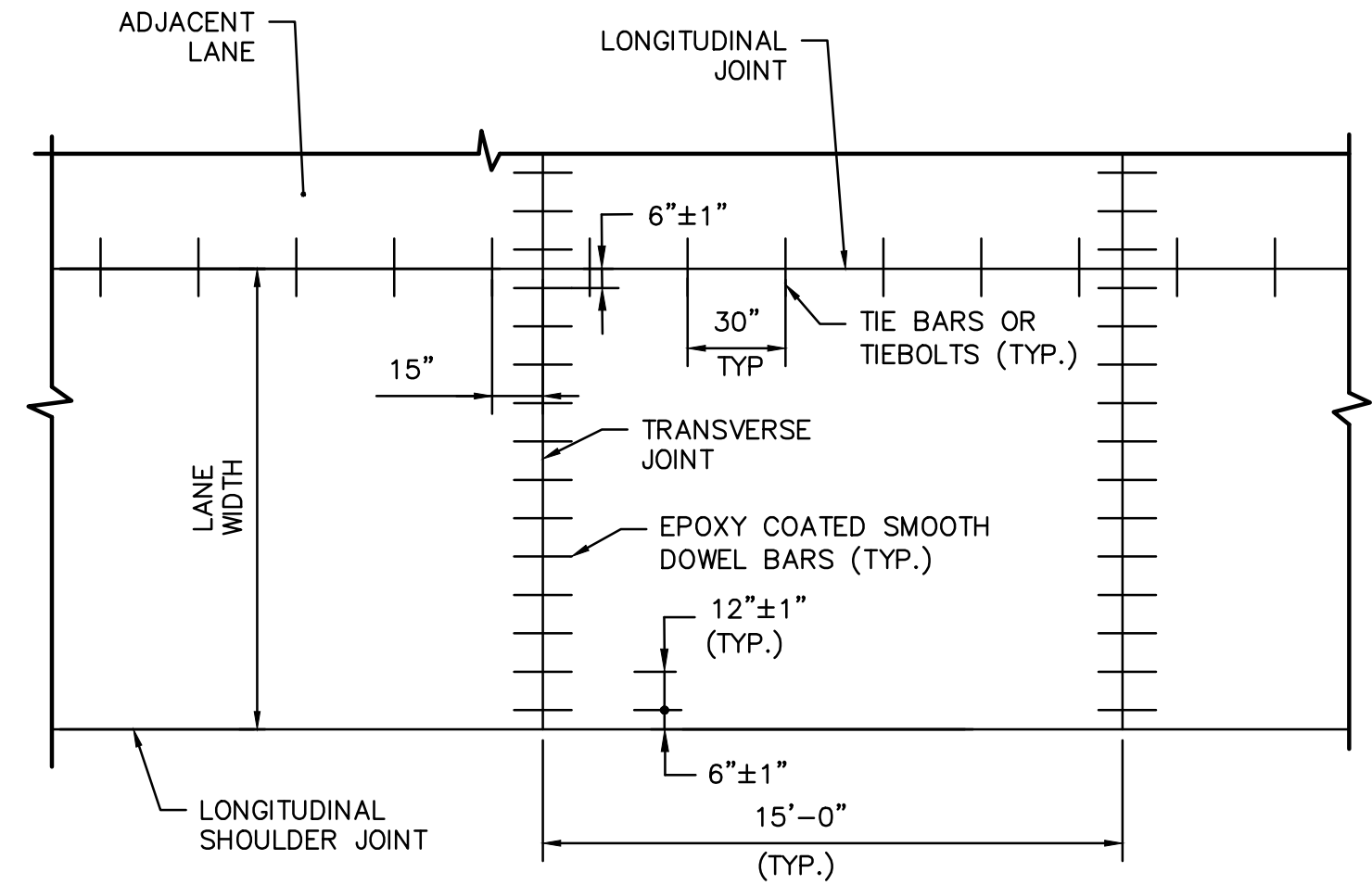
RIPTA "BUS STOP" SIGN  
SCALE: NTS



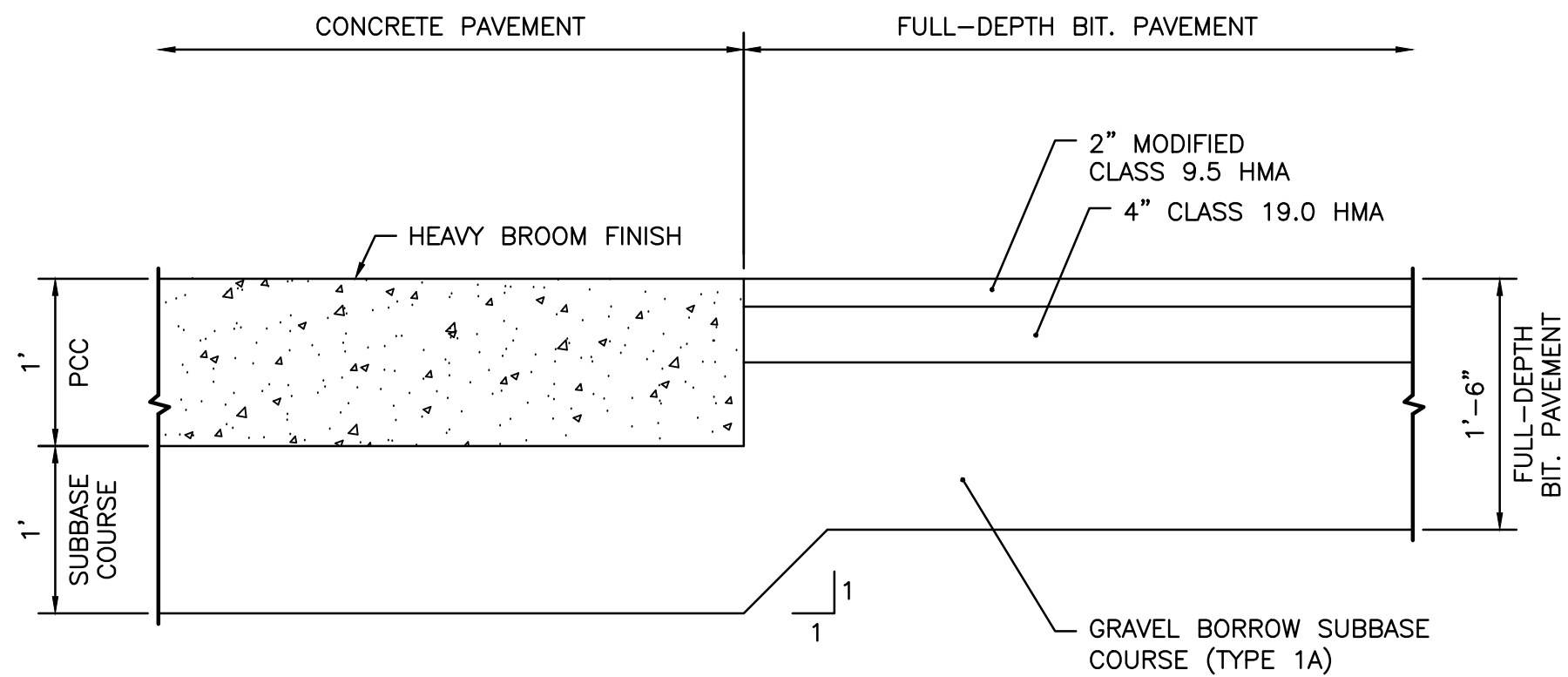
R3-XXL "BUS ONLY LANE" SIGN  
SCALE: NTS



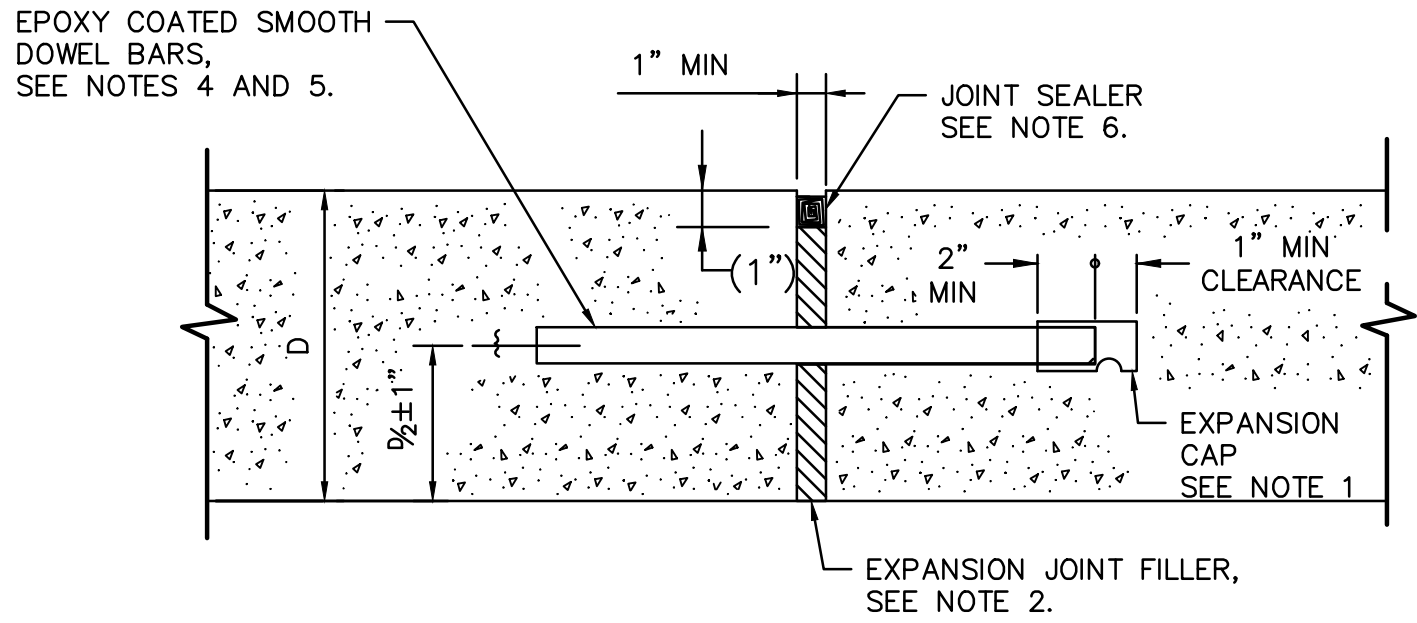




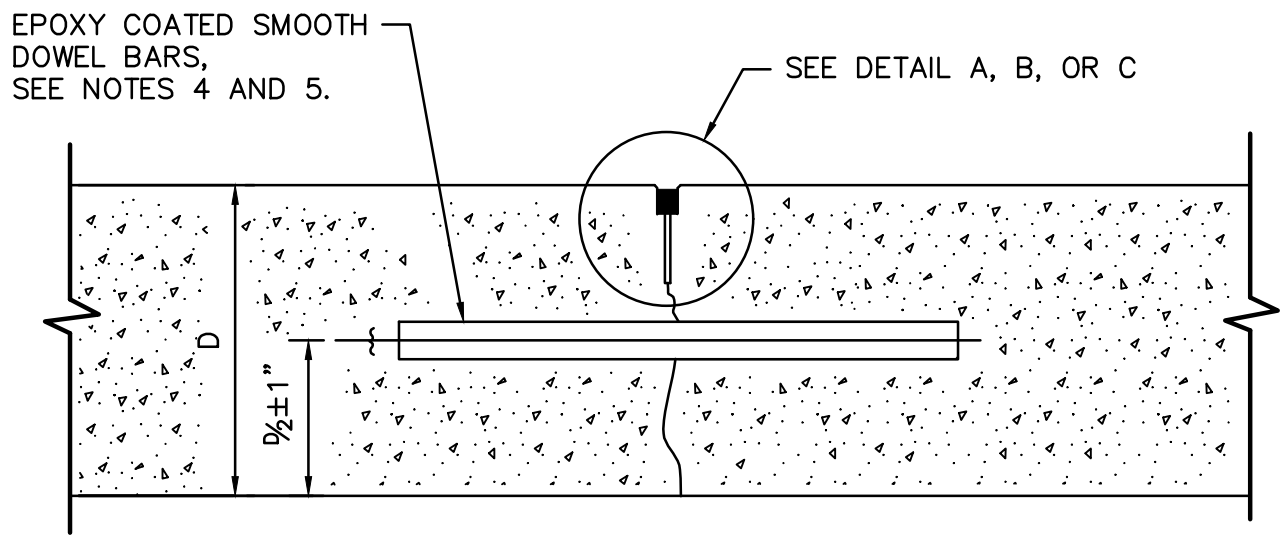
TYPICAL CONCRETE PAVEMENT LAYOUT  
SCALE: NTS



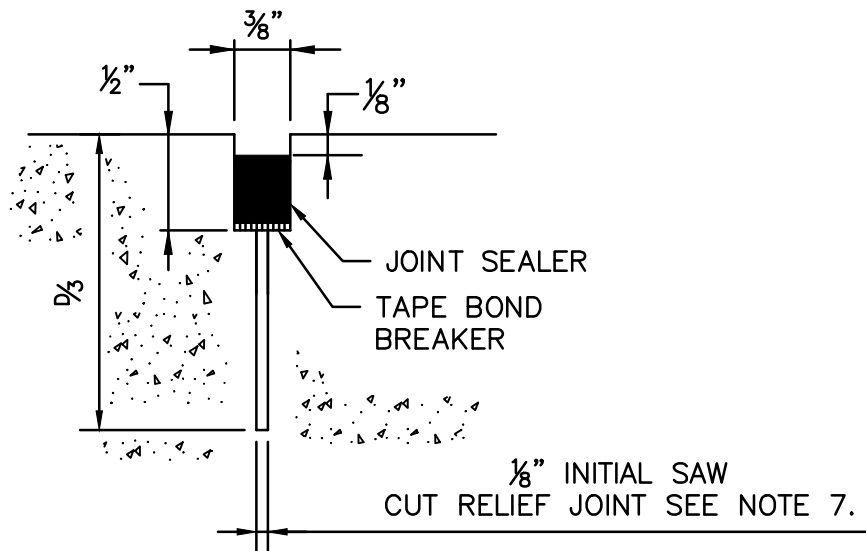
CONCRETE PAVEMENT TO FULL DEPTH  
BITUMINOUS PAVEMENT TRANSITION  
SCALE: NTS



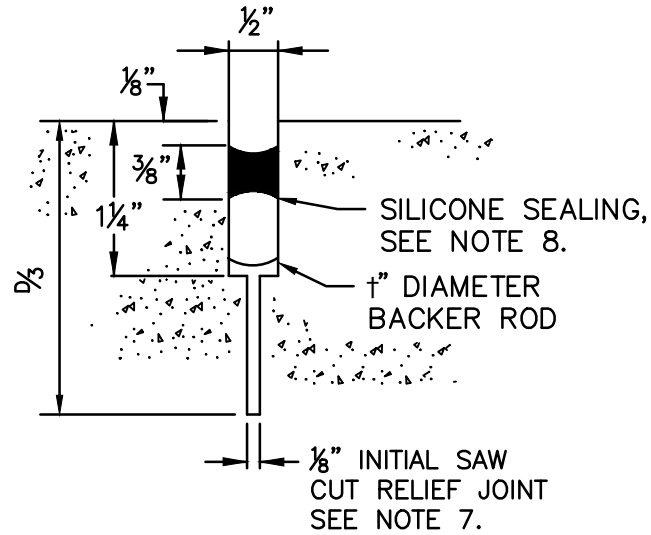
TRANSVERSE EXPANSION JOINT



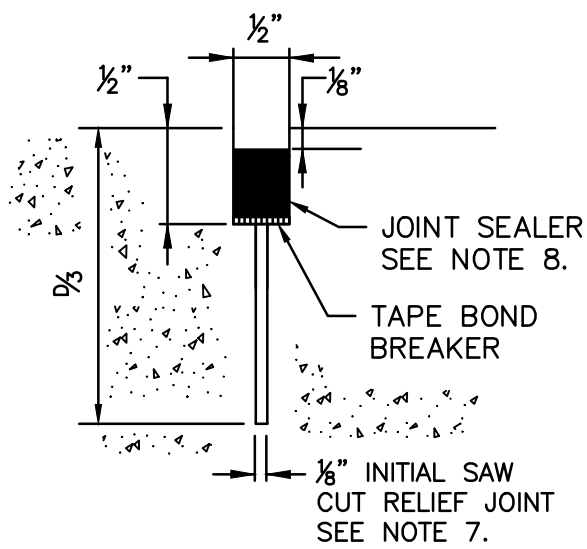
TRANSVERSE CONTRACTION JOINT



DETAIL A  
HOT-POURED JOINT SEALER



DETAIL B  
COLD-POURED JOINT SEALER  
WITH BACKER ROD



DETAIL C  
COLD-POURED JOINT SEALER  
WITHOUT BACKER ROD

NOTES:

1. PLACE A CLOSED-END EXPANSION CAP OVER THE LUBRICATED END OF ALL DOWEL BARS USED IN TRANSVERSE EXPANSION JOINTS AND PROVIDE A MINIMUM 1" CLEARANCE POCKET ASSURED BY MEANS OF A POSITIVE SPACING DEVICE.
2. CUT EXPANSION JOINT FILLER MATERIAL TO CONFORM TO THE CROSS-SECTION OF THE PAVEMENT AND FURNISH IN STRIPS EQUAL TO THE WIDTH OF THE PAVEMENT SLAB. MAKE THE TOP SURFACE SMOOTH AND HAVE HOLES PUNCHED FOR THE DOWEL BARS PROVIDE A SNUG FIT WITHOUT LOSS IN THICKNESS OF THE MATERIAL.
3. CONSTRUCT ALL TRANSVERSE JOINTS PERPENDICULAR TO THE CENTERLINE.
4. USE MINIMUM 1"Øx18" LONG GALVANIZED SMOOTH DOWEL BARS FOR PAVEMENT DEPTHS 10" OR LESS, AND MINIMUM 1 1/2" DIA. SYMB LONG DOWEL BARS FOR PAVEMENT DEPTHS GREATER THAN 10". APPROVED ALTERNATE DOWEL BARS HAVING EQUIVALENT PROPERTIES TO CONVENTIONAL ROUND DOWEL REINFORCEMENT STEEL MAY BE PROPOSED FOR USE.
5. PLACE GALVANIZED SMOOTH DOWEL BARS PARALLEL TO THE CENTERLINE AND SURFACE OF THE SLAB.
6. MAKE THE TOP OF THE JOINT SEALING MATERIAL ± 1/8" BELOW THE SURFACE OF THE PAVEMENT.
7. THE INITIAL SAW CUT RELIEF JOINT IS NOT REQUIRED FOR CONSTRUCTION JOINTS.
8. WHEN COLD-POURED JOINT SEALER IS SELECTED FOR USE IN TRANSVERSE JOINTS, USE THE SAME JOINT SEALER IN THE LONGITUDINAL JOINTS.

CONCRETE PAVEMENT JOINTS  
SCALE: NTS

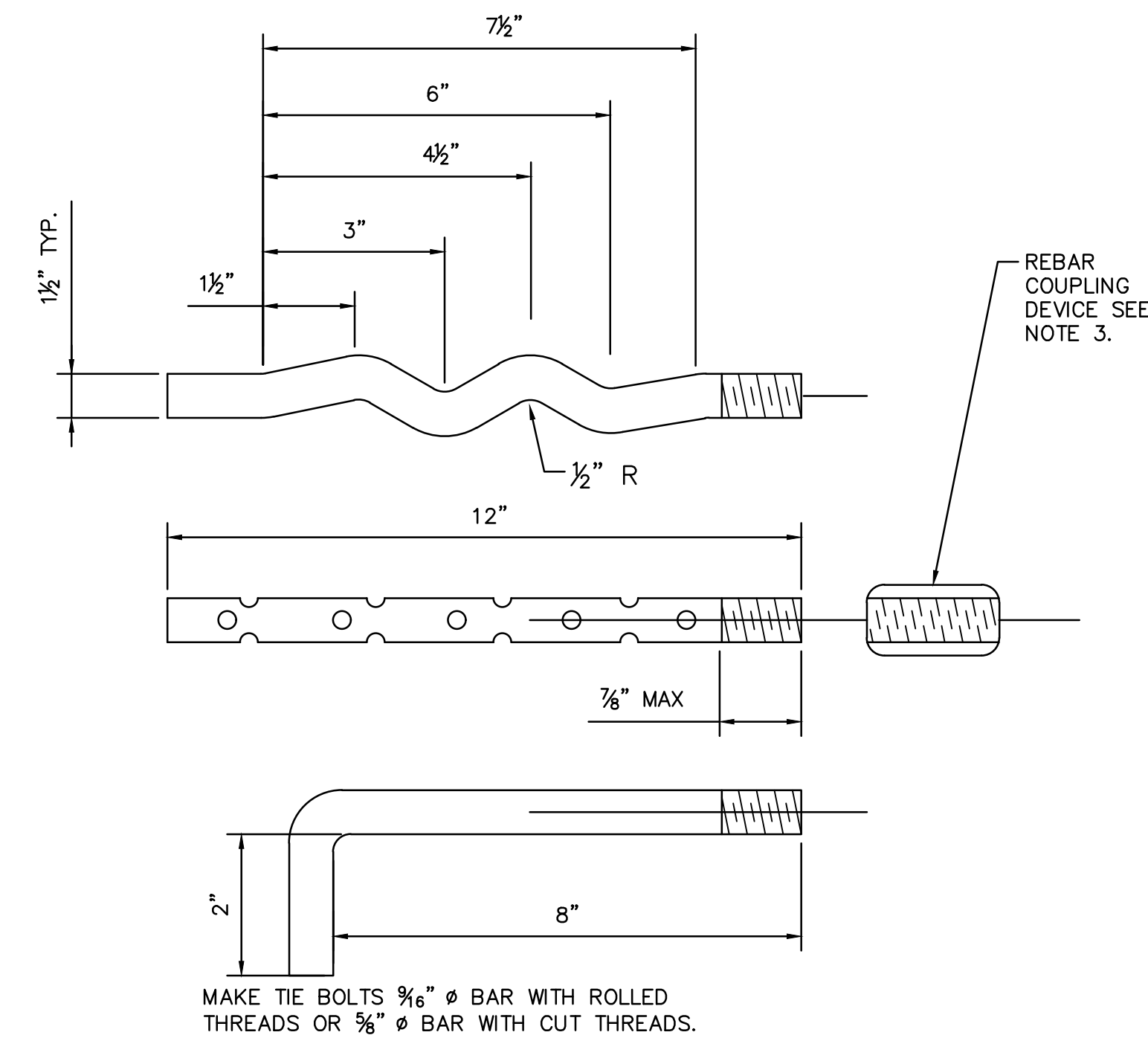


DESIGNED BY: JC  
CHECKED BY: DF  
DATE: #####  
SHEET: #  
OF: ####

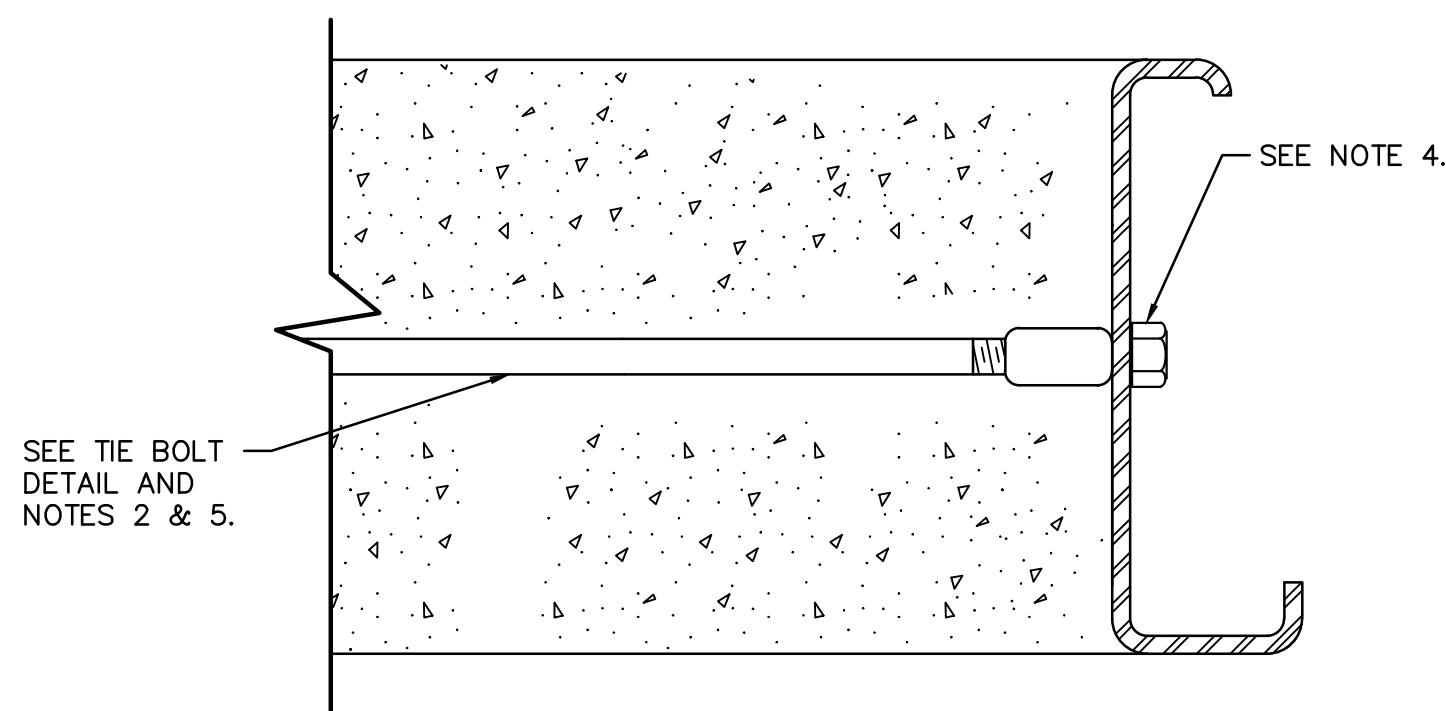
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

RIPTA-CCRI ENHANCED BUS SERVICE PROJECT		WARWICK	RHODE ISLAND
DRAWING TITLE:		DRAWING NO.	
CIVIL DETAILS		C-503	

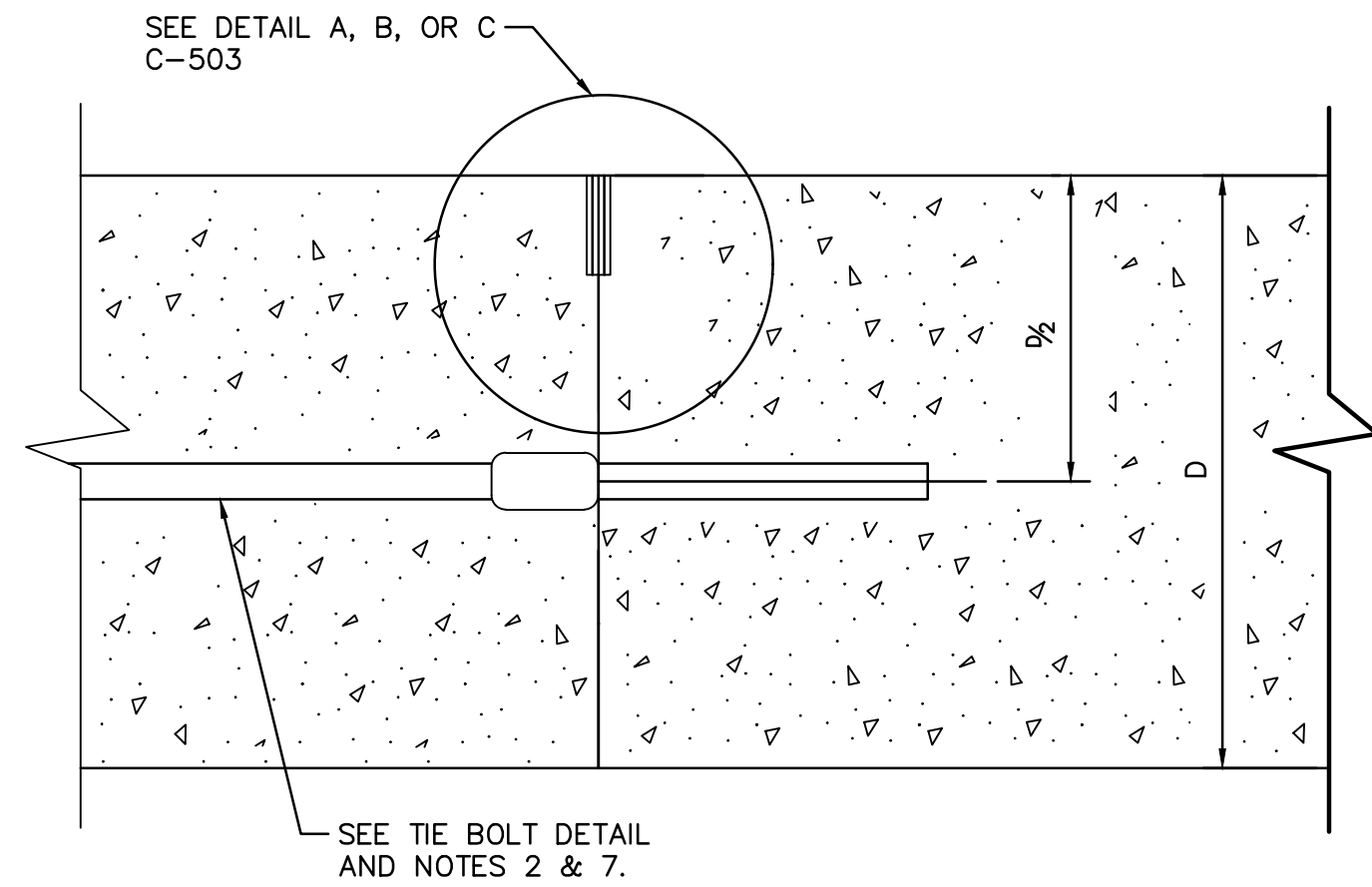




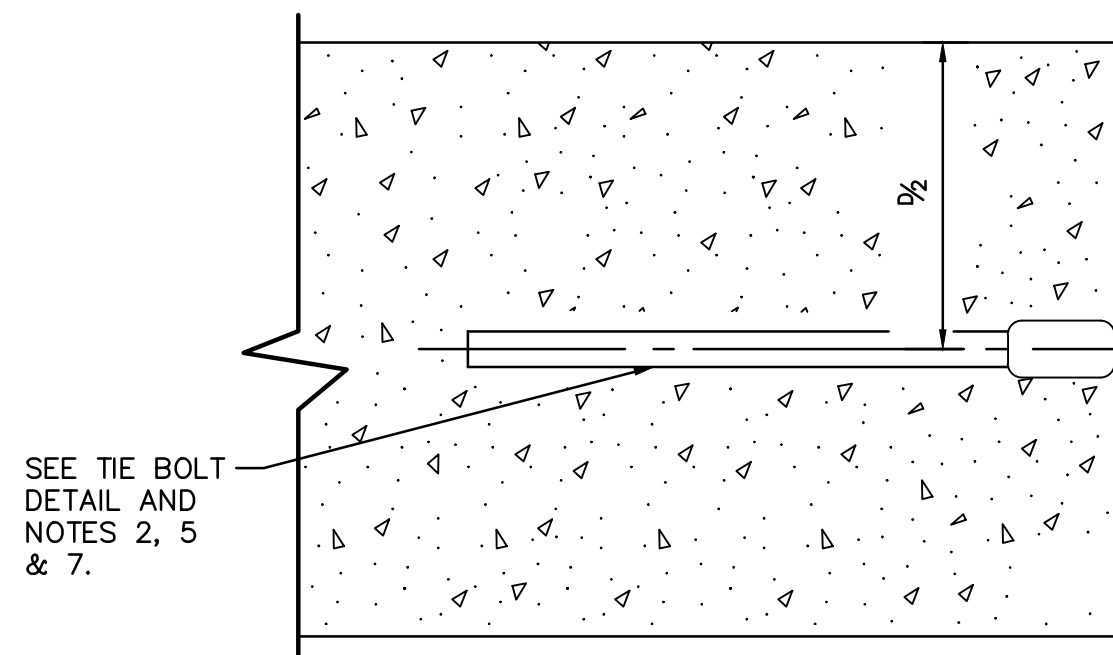
TIE BOLT DETAIL



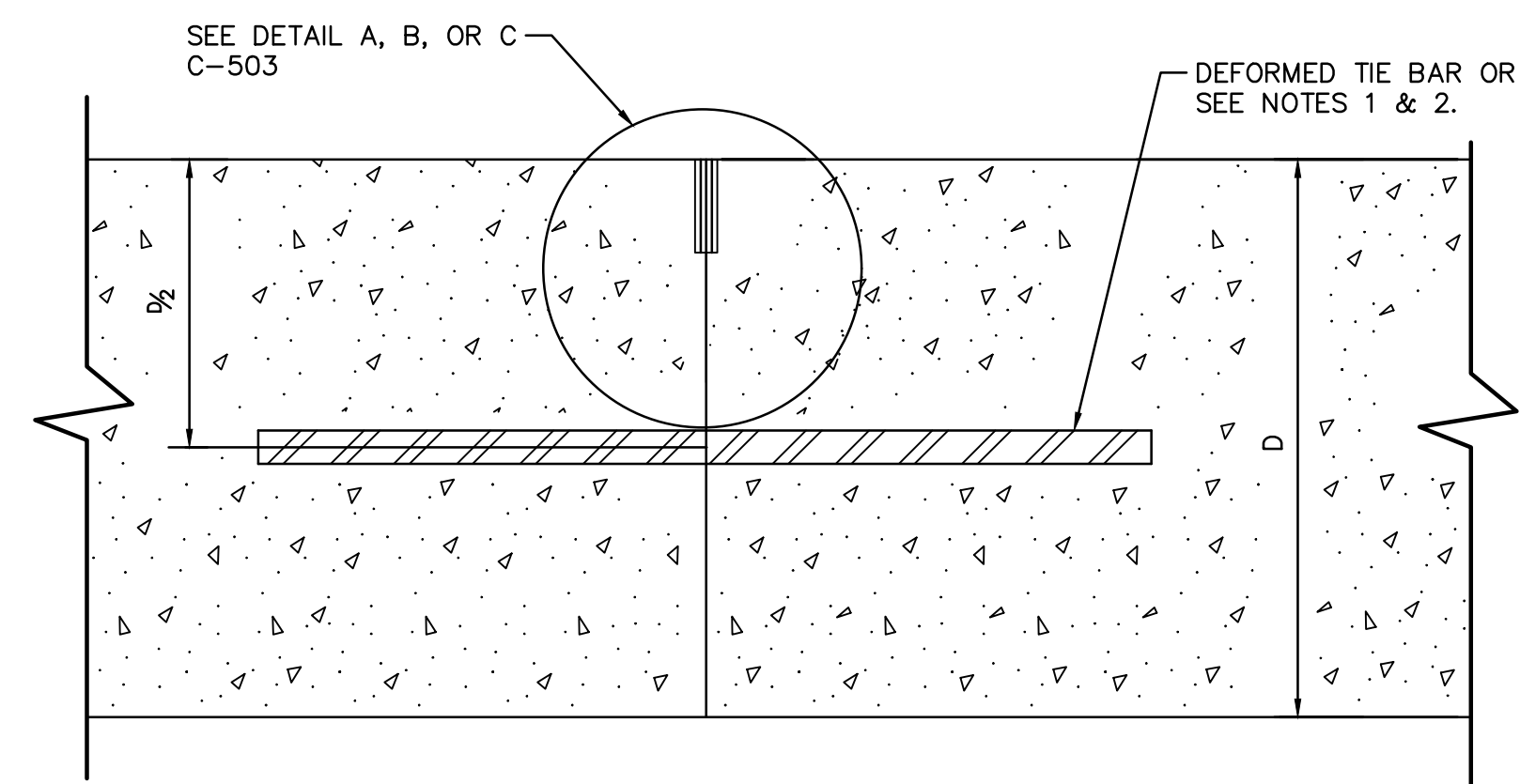
STATIONARY FORMING



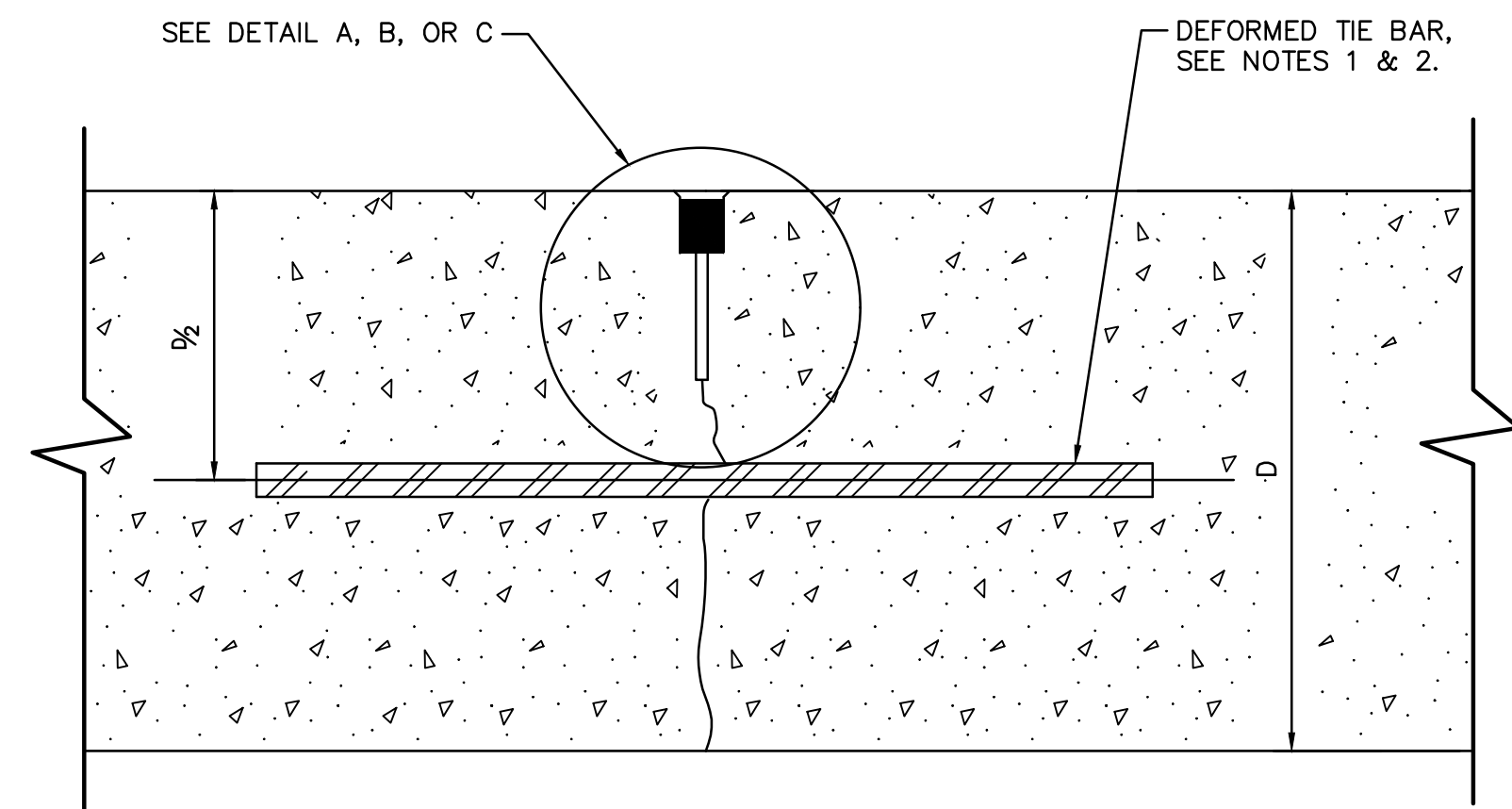
CONSTRUCTION JOINT TIE BOLT



SLIP FORMING



CONSTRUCTION JOINT TIE BAR



CONTRACTION JOINT

NOTES:

1. SPECIFY #6 TIE BARS 30"± LONG, SPACED 30" CENTER TO CENTER MAXIMUM. FOR JOINT TIES SPECIFY #6 BARS 18"± LONG, SPACED 30" CENTER TO CENTER MAXIMUM. PLACE PERPENDICULAR TO AND CENTERED OVER THE LONGITUDINAL JOINT 1". WHEN ADJOINING TO AN UNEQUAL PAVEMENT OR SHOULDER DEPTH, D IS THE DEPTH OF THE THINNER SECTION.
2. DO NOT FIELD BEND TIE BARS, TIE BOLTS, AND JOINT TIES.
3. USE REBAR COUPLING DEVICE THAT IS LISTED IN THE RIDOT APPROVED MATERIALS LIST.
4. TEMPORARILY SECURE THE TIE BOLT TO THE FORM DURING PLACEMENT OF THE CONCRETE USING A METHOD ACCEPTABLE TO THE RE.
5. PLACE TIE BOLTS AT 30" CENTER TO CENTER MAXIMUM SPACING. WHEN ADJOINING TO AN UNEQUAL PAVEMENT OR SHOULDER DEPTH, D IS THE DEPTH OF THE THINNER SECTION. SCREW TIE BOLTS UNTIL SNUG.
6. USE AN APPROVED EPOXY GROUT MATERIAL TO WITHSTAND THE NECESSARY MINIMUM PULL-OUT RESISTANCE. DRILL TIE BAR HOLE IN EXISTING PAVEMENT ACCORDING TO THE MANUFACTURER'S RECOMMENDATION. USE ROTARY IMPACT DRILL TO AVOID IMPACTING FINES TO HOLE.
7. DO NOT USE THE HOOK COMPONENT OF THE TIE BOLT ASSEMBLY WHEN SLIP FORMING.
8. WHEN COLD-POURED JOINT SEALER IS SELECTED FOR USE IN TRANSVERSE JOINTS, USE THE SAME JOINT SEALING MATERIAL IN THE LONGITUDINAL JOINTS.

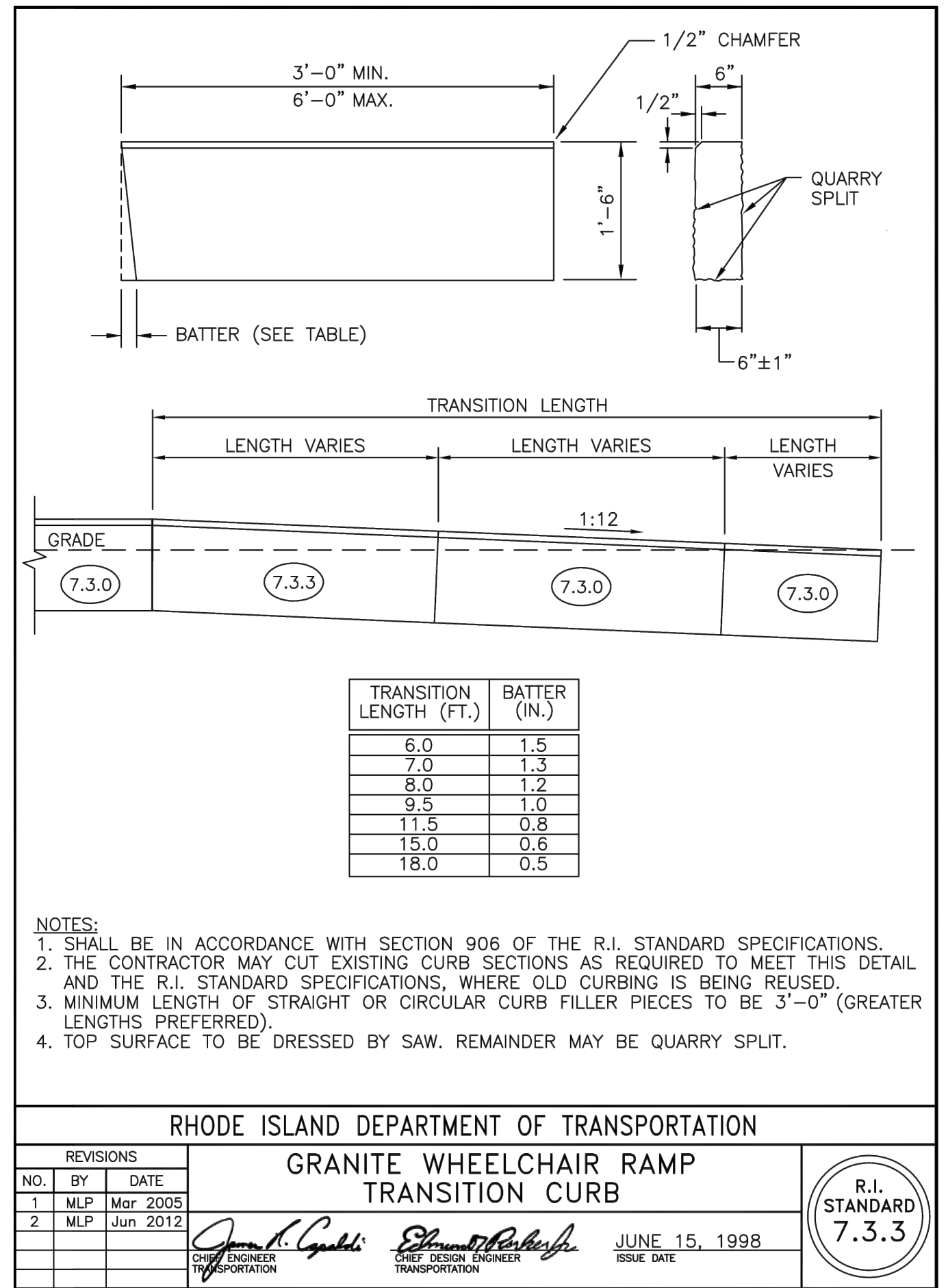
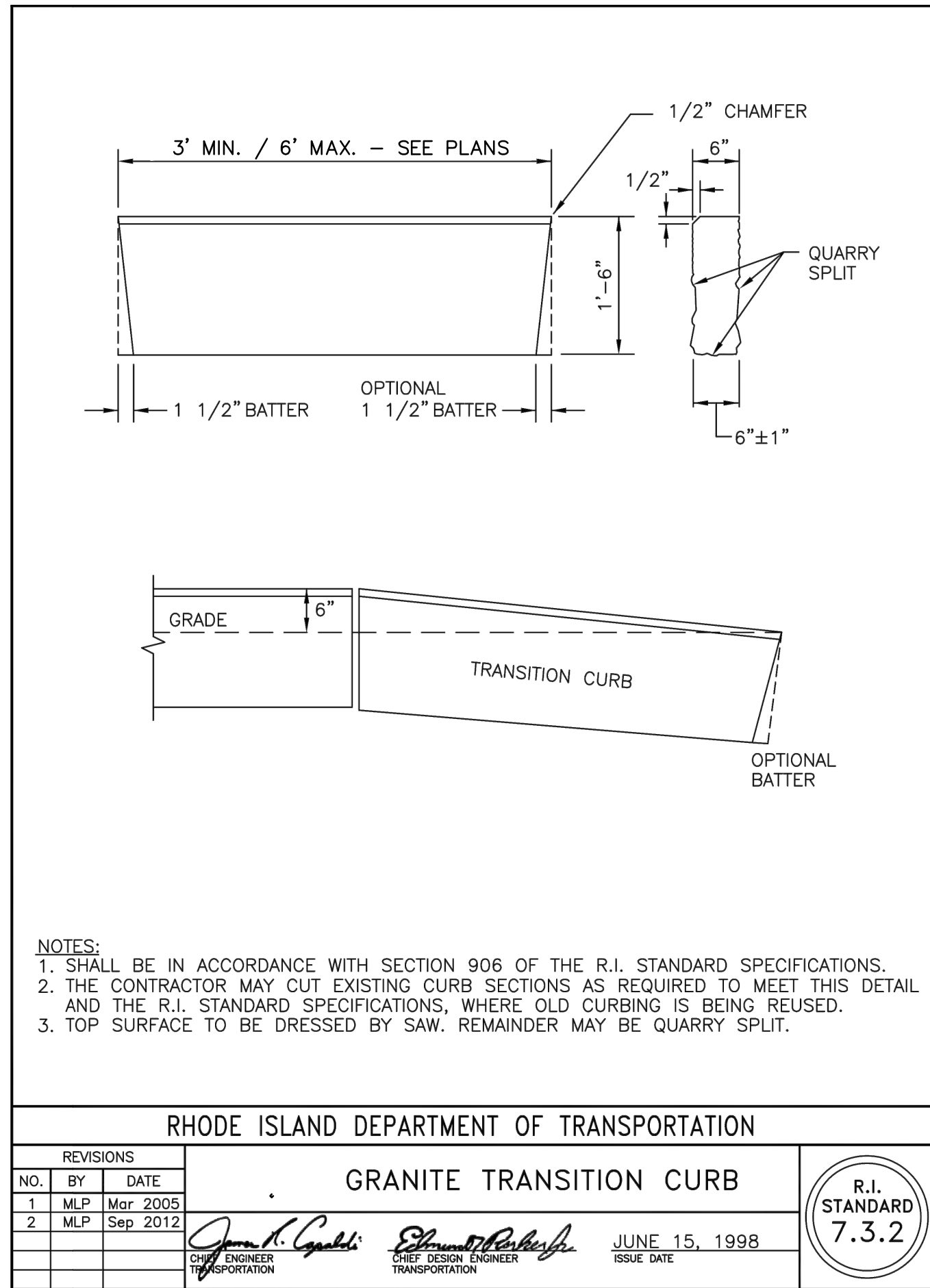
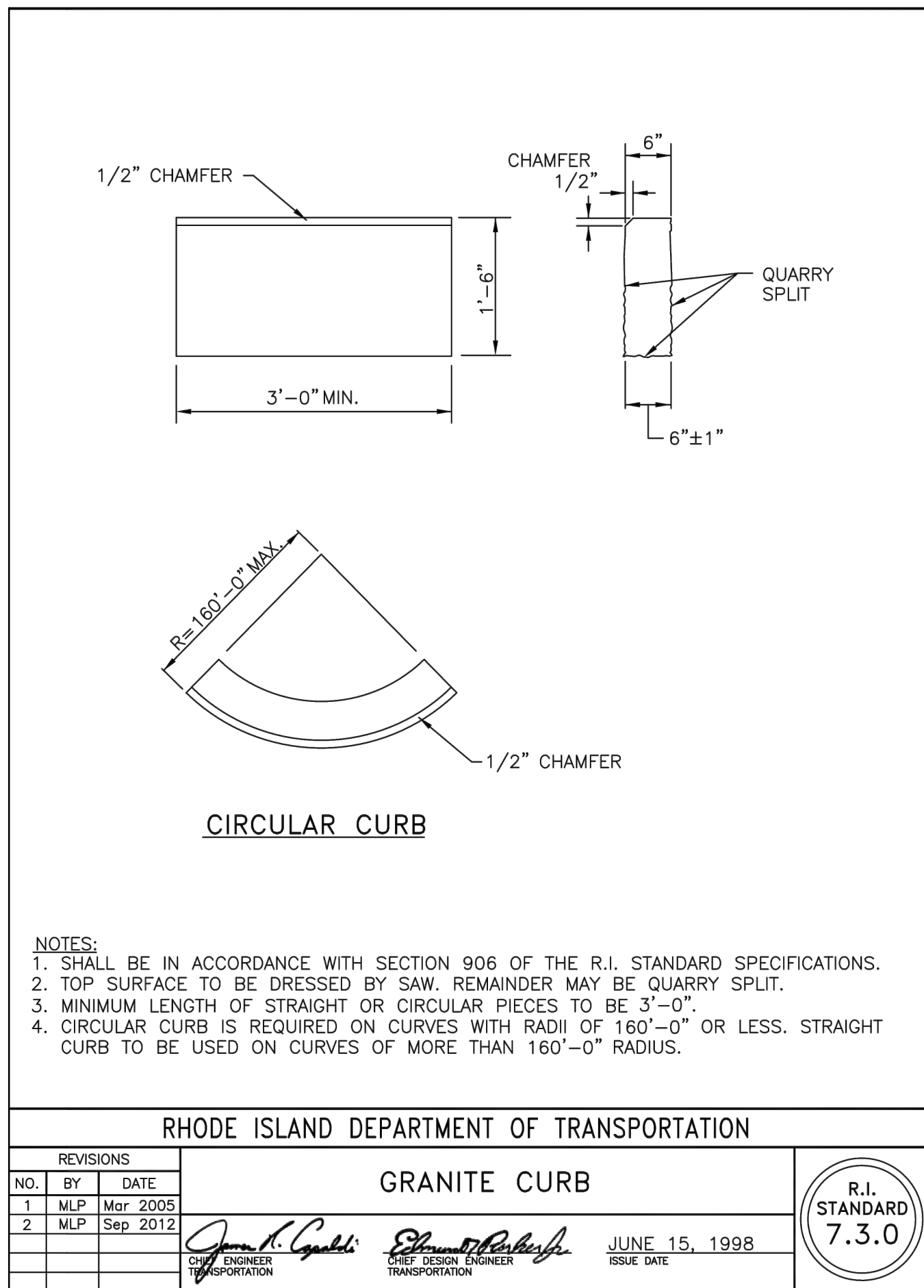
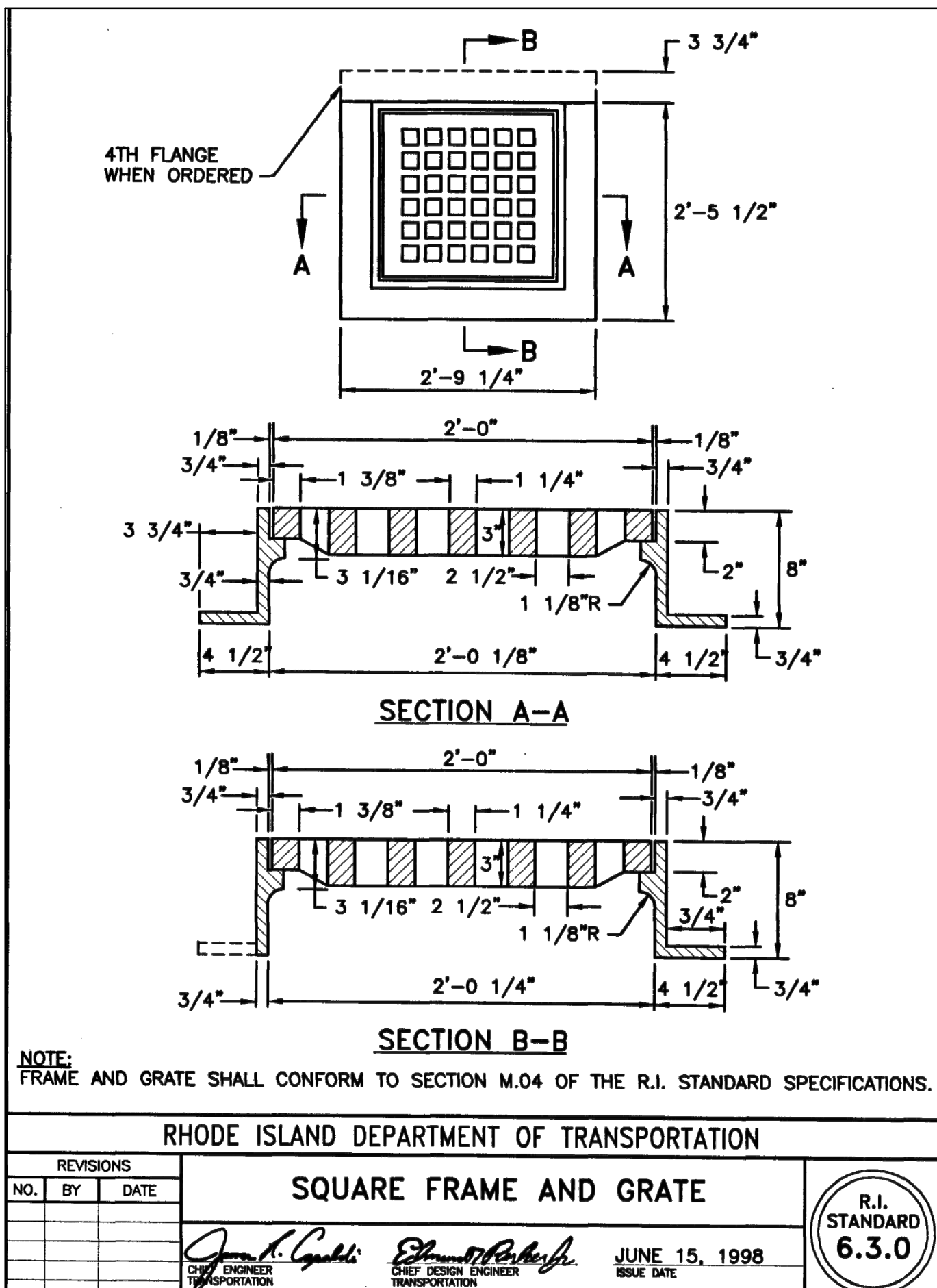
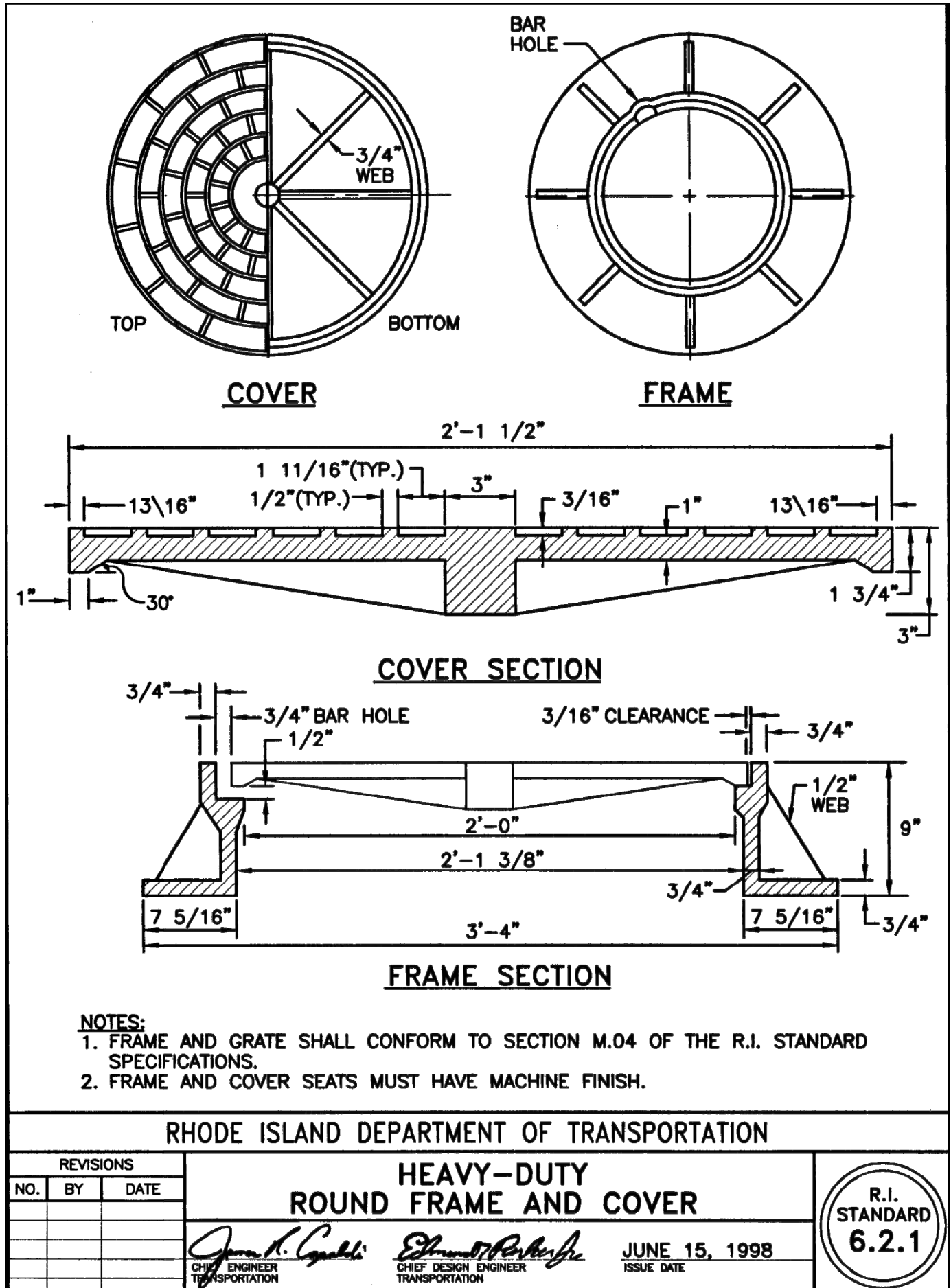
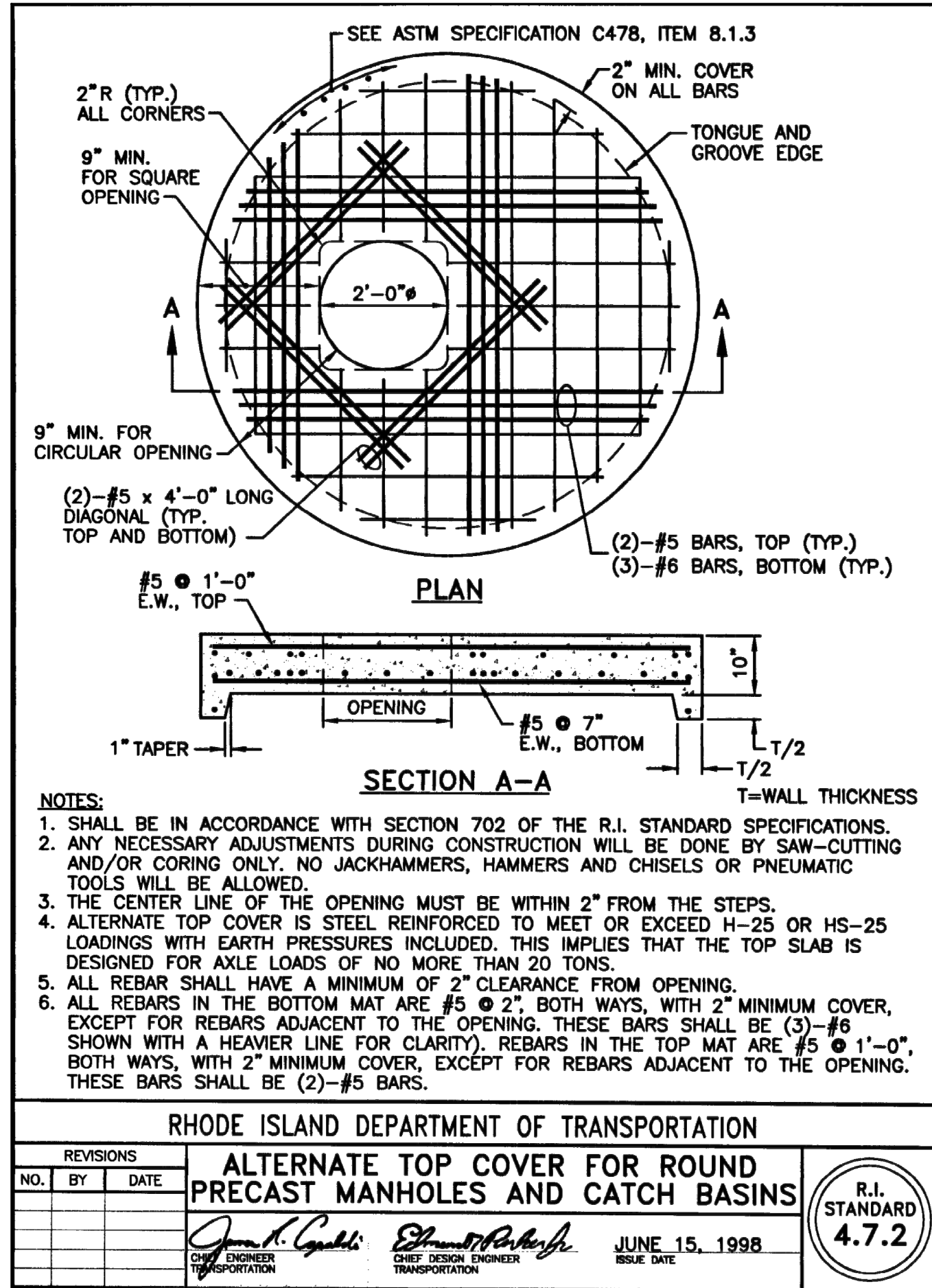
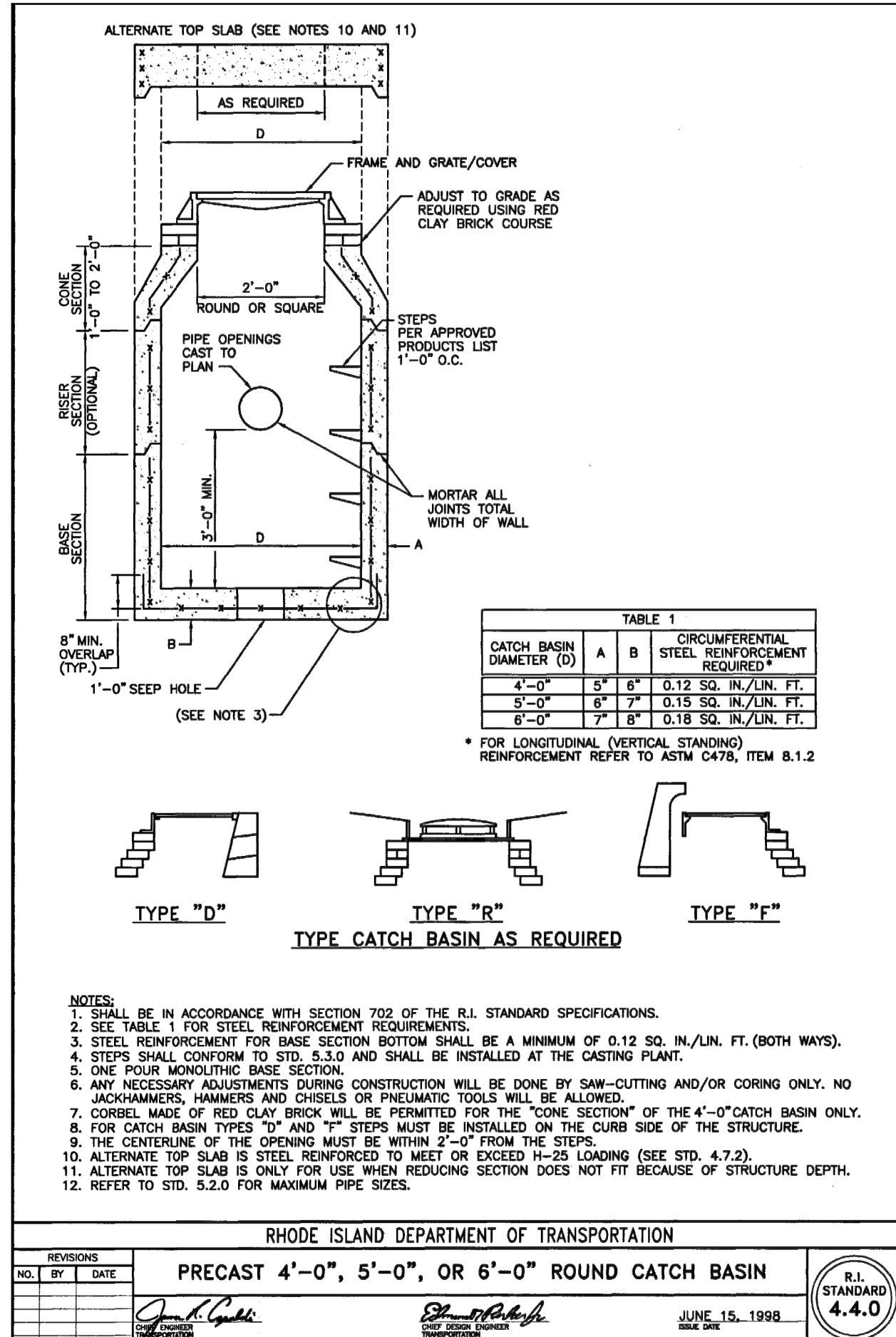
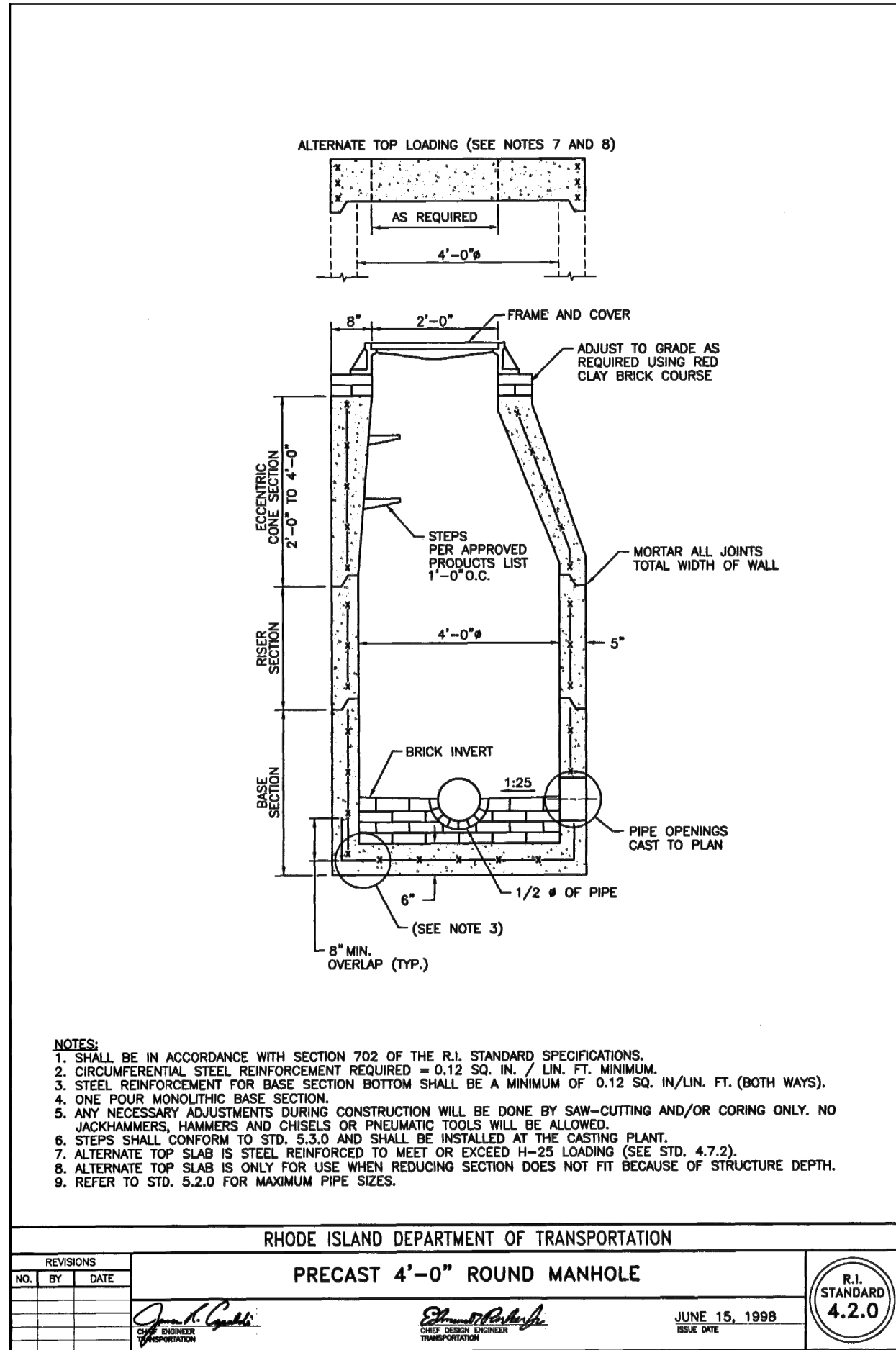


DESIGNED BY: JC  
CHECKED BY: DF  
DATE: #####  
SHEET: #  
OF: ###

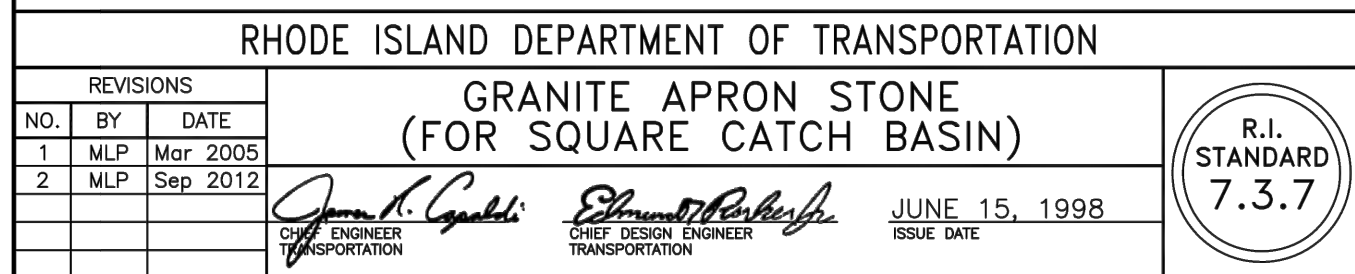
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

WARWICK		RHODE ISLAND	
DRAWING TITLE:		DRAWING NO.	
RIPTA-CCRI ENHANCED BUS SERVICE PROJECT		CIVIL DETAILS	
C-504		C-504	



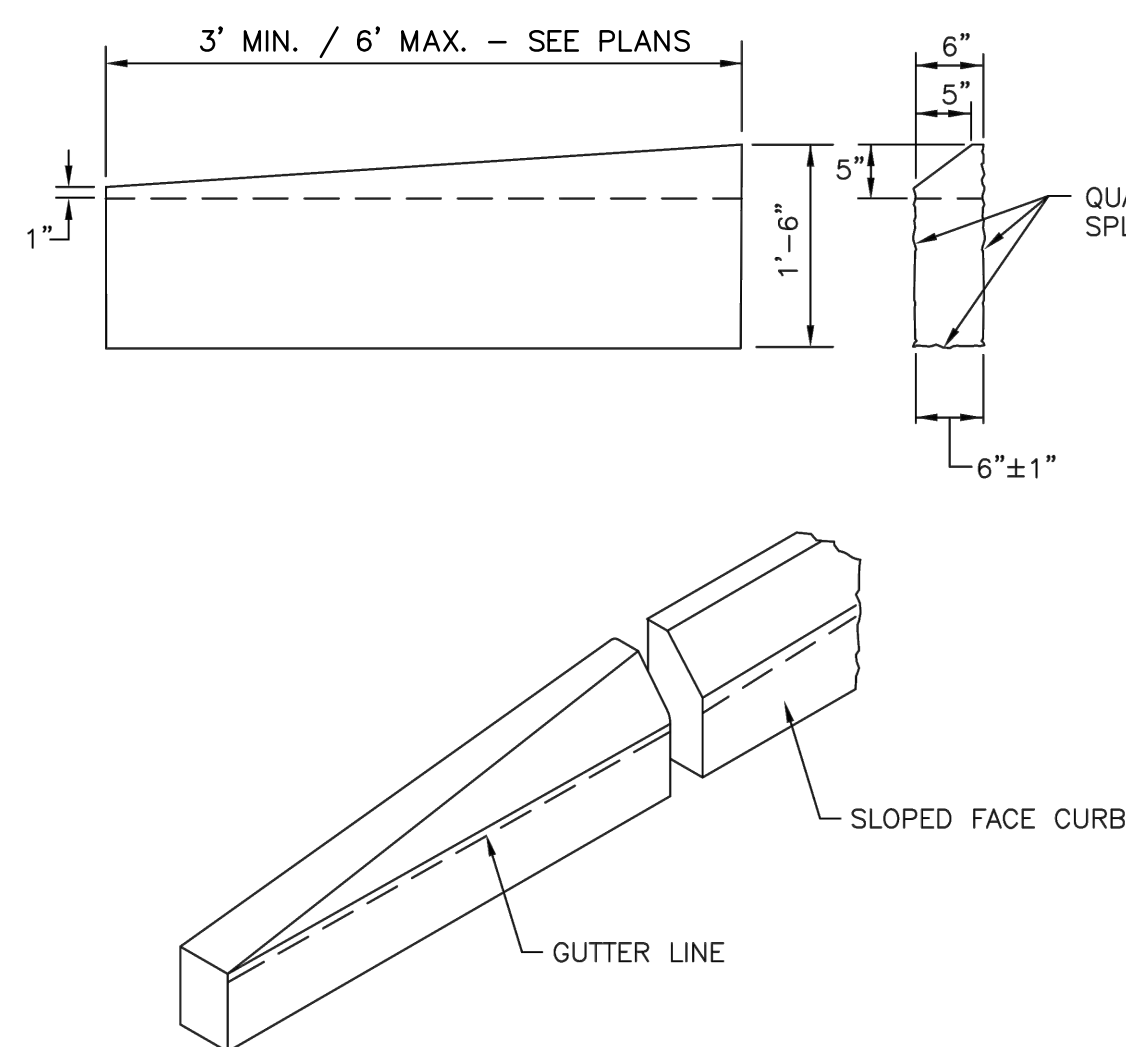
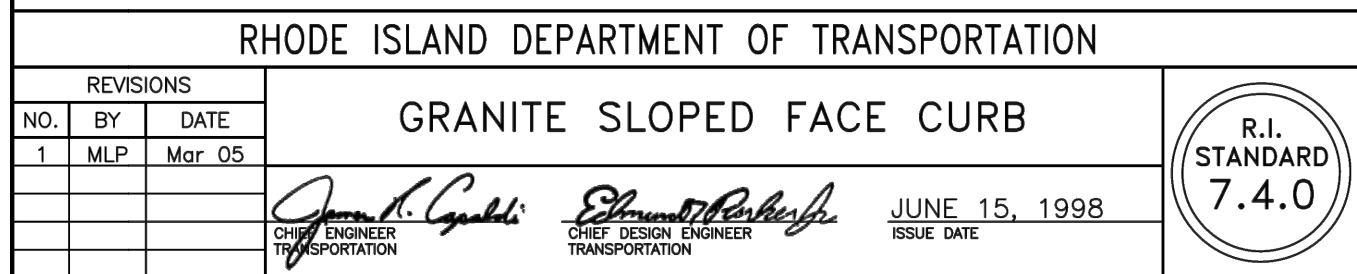






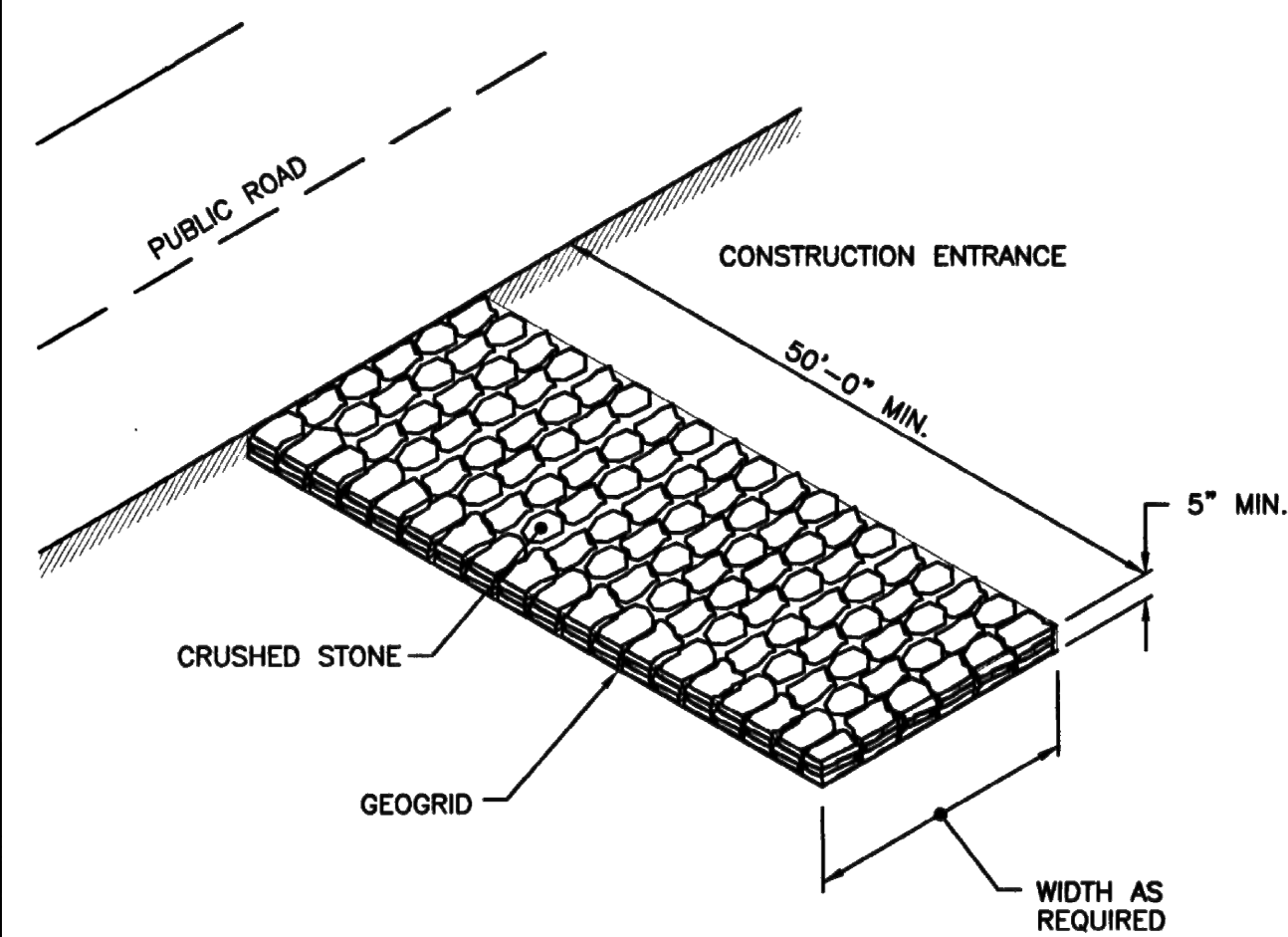
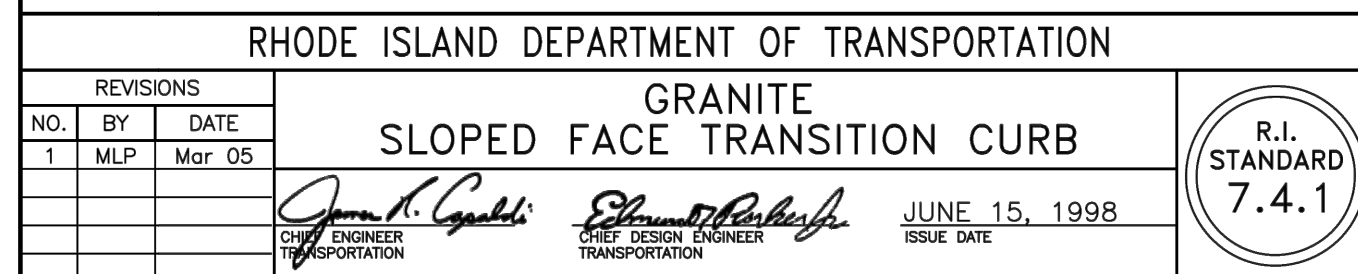
NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. TOP SURFACE AND SLOPED SURFACE TO BE DRESSED BY SAW. REMAINDER TO BE QUARRY SPLIT.
3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR PIECES TO BE 3'-0".
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADIUS OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.

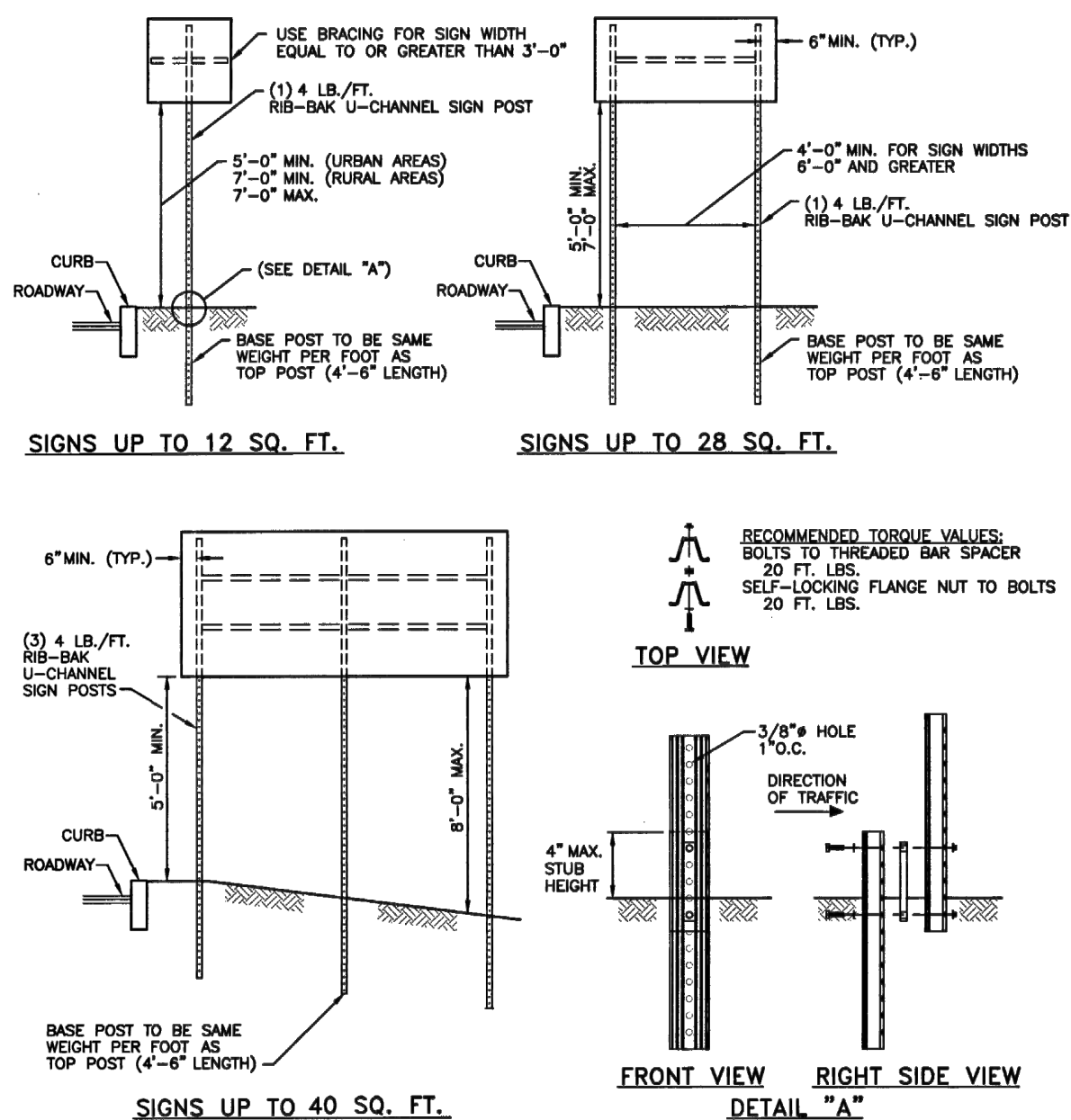
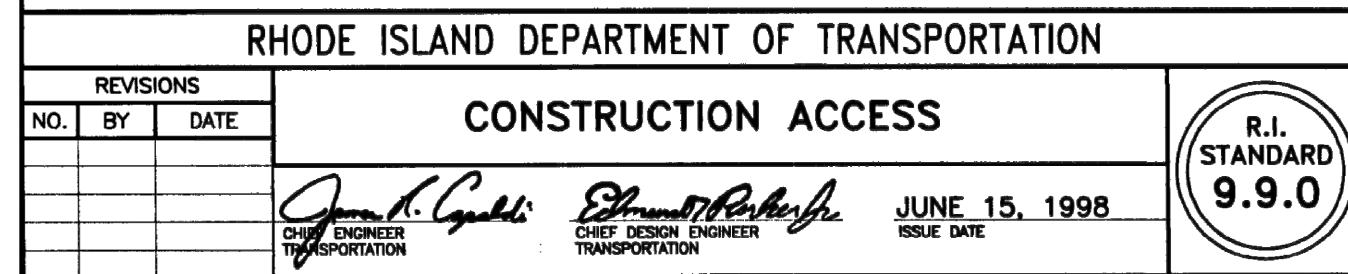


**NOTES:**

1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. TOP SURFACE AND SLOPED SURFACE TO BE DRESSED BY SAW. REMAINDER TO BE QUARRY SPLIT.
3. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION. FOR OTHER DIRECTION USE OPPOSITE HAND.



**NOTE:**  
SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS

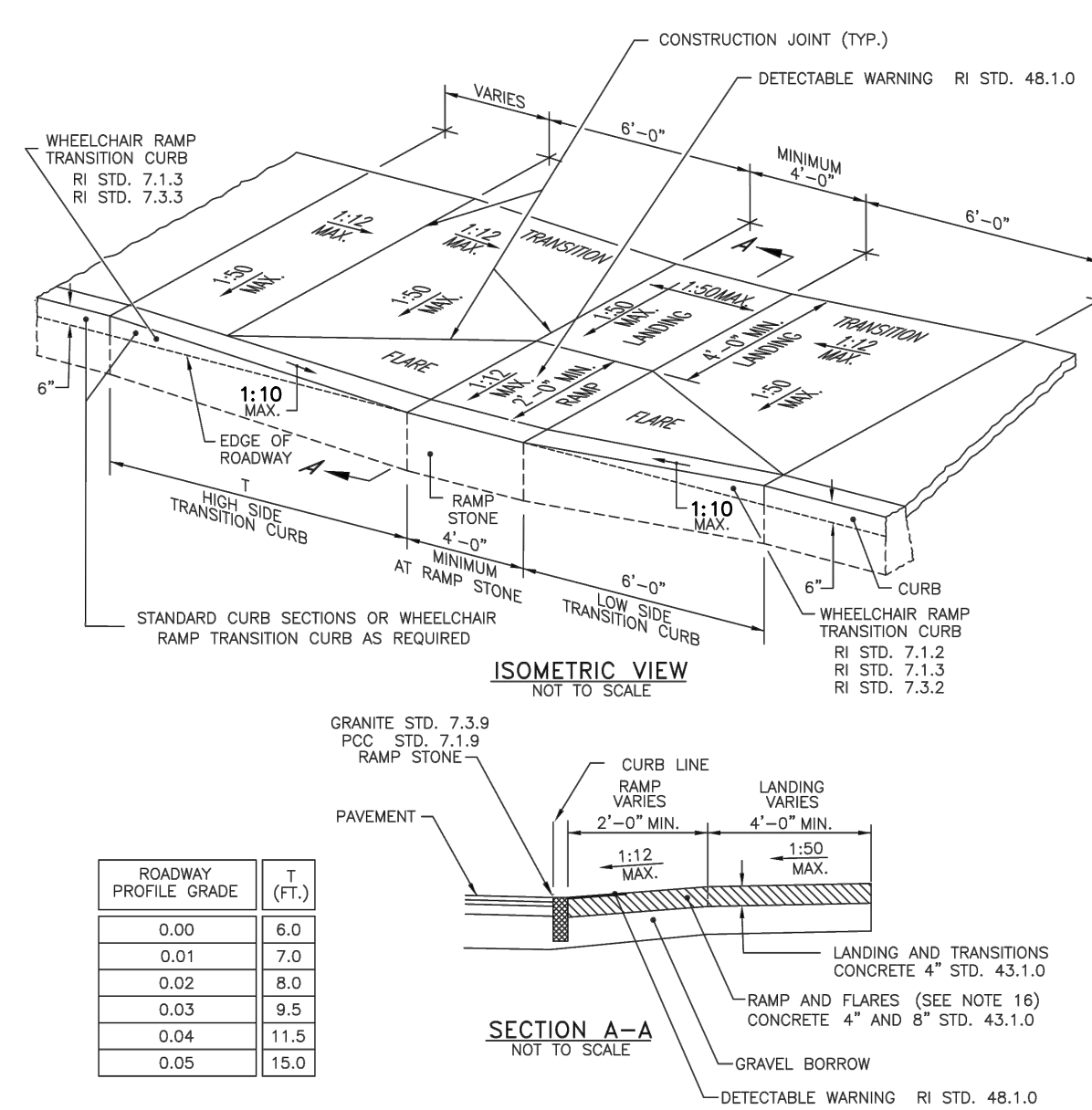
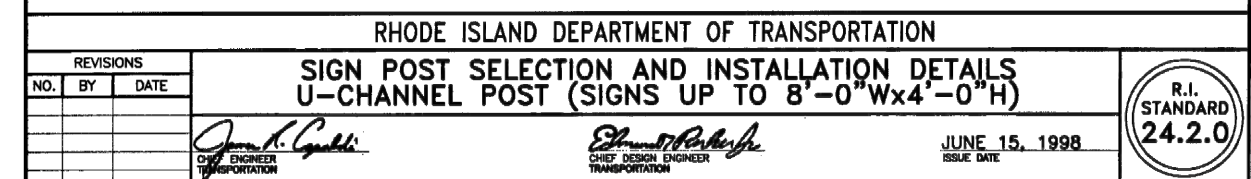


**INSTALLATION PROCEDURE:**

1. REMOVE A SPADE FULL OF SOIL (APPROXIMATELY 2" DEEP) FROM WHERE THE BASE POST WILL BE LOCATED.
2. DRIVE THE BASE POST IN THE CENTER OF THE HOLE JUST CREATED, TO WITHIN 4" OF GRADE LEVEL.
3. PLACE THE 1/2" X 1/2" X 1/2" WOODEN BRACKET IN THE TOP HOLE OF THE BASE POST. (IF THE TOP HOLE OF THE BASE POST, ON THE BOTTOM HOLE ON THE TOP POST IS LESS THAN 3/4" FROM THE END OF THE POST USE THE SECOND AND SIXTH HOLES.) WITH THE THREADS BAR SPACER ALIGNING WITH TOP HOLE ON THE BASE POST. PLACE THE SIDE OF THE BASE POST, SECURELY TIGHTEN THE 1/2" X 1/2" X 1/2" WOODEN BRACKET TO THE TOP HOLE OF THE TOP POST.
4. NEST THE TOP POST OVER THE PROTRUDING BOLTS ON THE BASE POST. PLACE A SELF-LOCKING FLANGE NUT ON EACH BOLT AND TIGHTEN SECURELY TO 20 FT. LBS. OF TORQUE.
5. REPLACE SOIL REMOVED IN STEP 1.
6. IN TRIPLE POST INSTALLATIONS USE 4 LB./FT. POSTS IN WEAK SOIL. A 1'-0" X 6" X 1/2" SOIL PLATE IS REQUIRED.

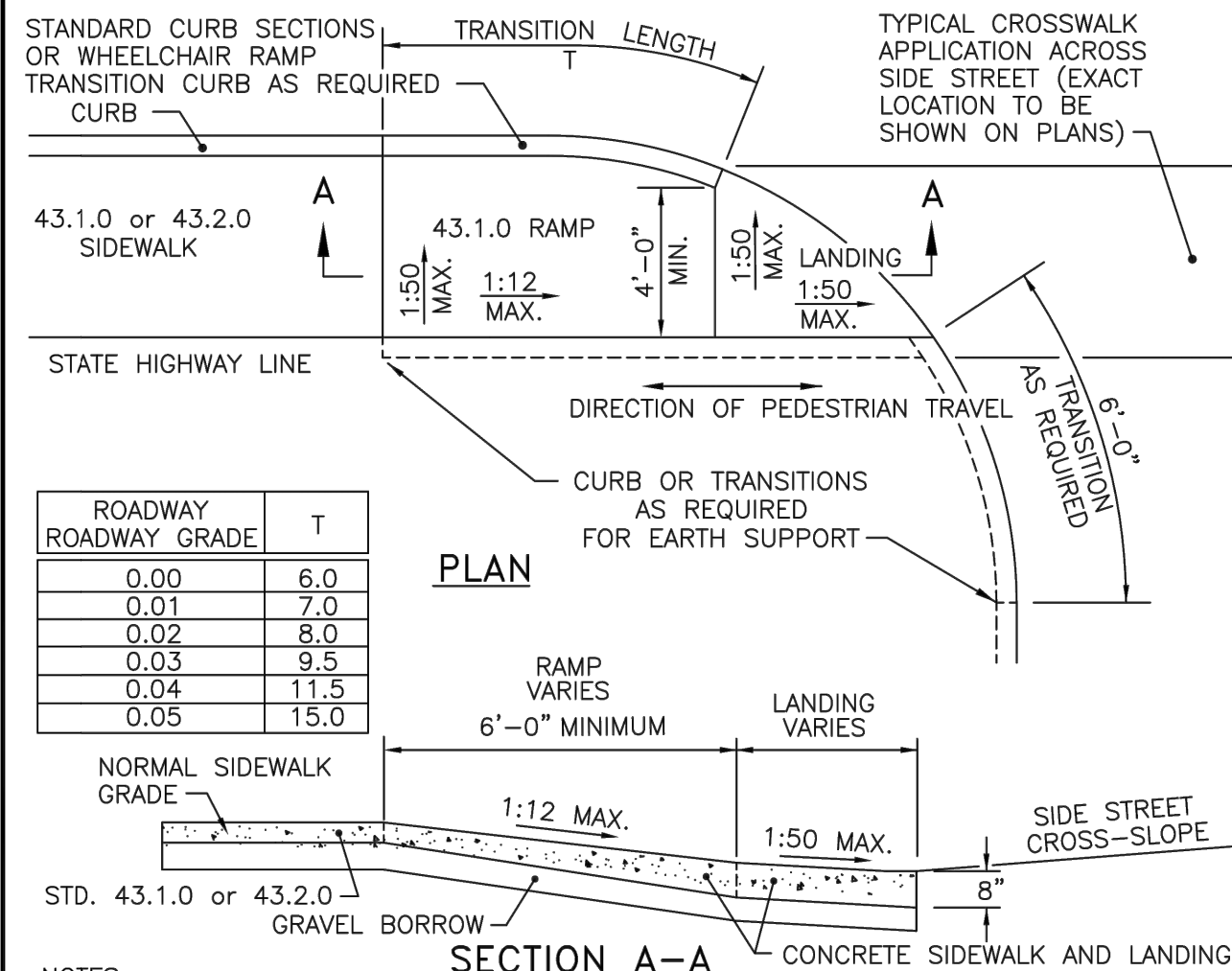
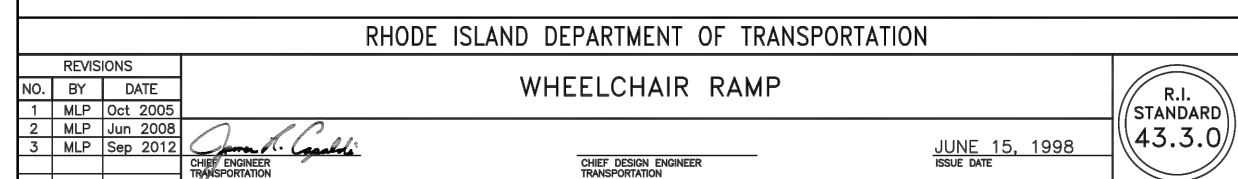
**NOTES:**

1. SHALL BE IN ACCORDANCE WITH SECTION T.15 OF THE R.I. STANDARD SPECIFICATIONS.
2. THE SIVER ANODIZED BAR SPACER IS FOR USE WITH 2, 2.5 AND 2.75 LB./FT. RIB-BAK POST GRADE SP-80 ONLY.
3. THE GOLD ANODIZED BAR SPACER IS FOR USE WITH 3 AND 4 LB./FT. RIB-BAK POST GRADE SP-80 ONLY.
4. INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
5. FOR SIGNS GREATER THAN 40 SQ. FT., REFER TO STD. 301.0, 301.1, 302.0, 302.1, 303.0, 303.1, 304.0, 304.1,



NOTES:

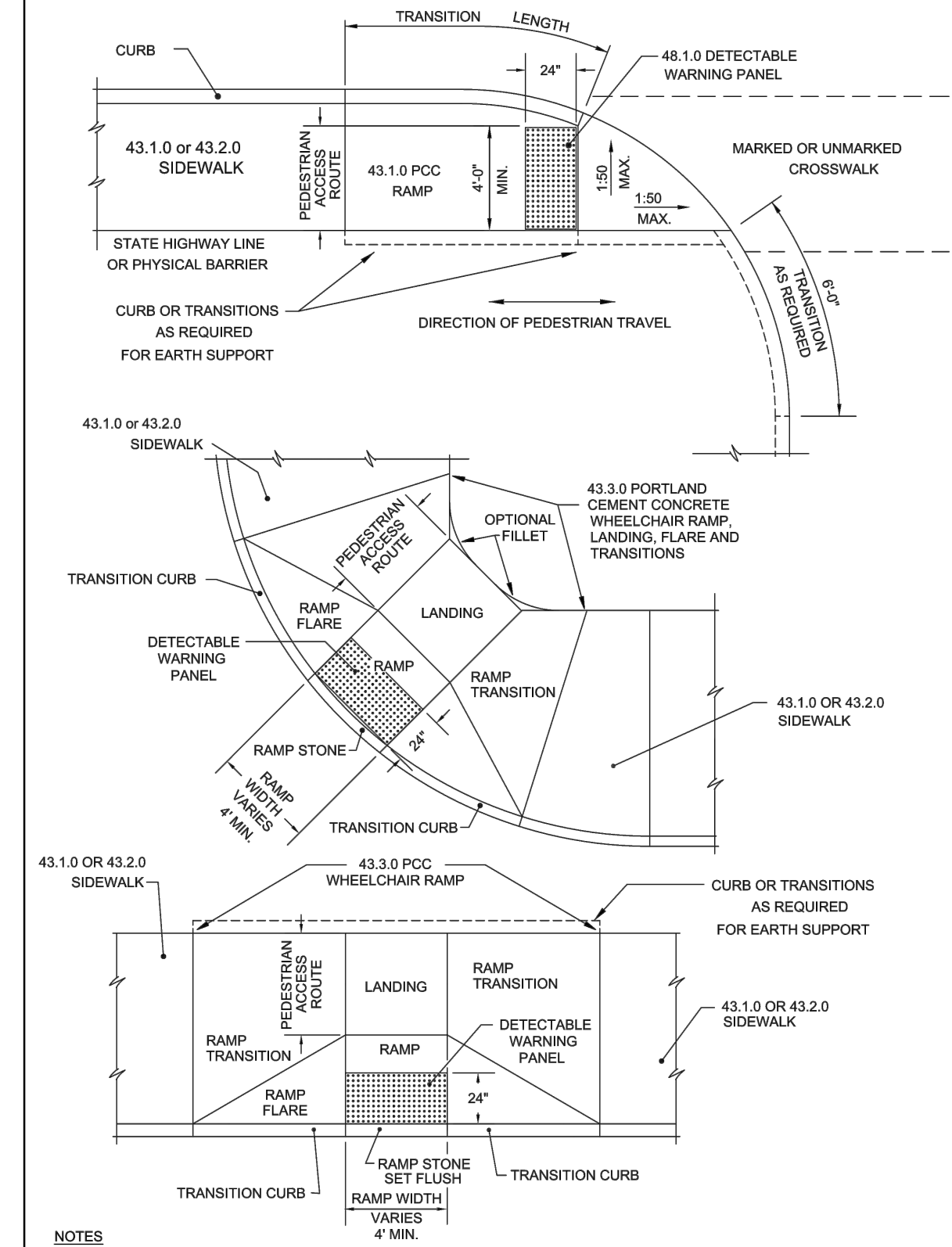
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R STANDARD SPECIFICATIONS.
2. ANY OBSTRUCTION LOCATED IN THE SIDEWALK FALLS WITHIN A CROSSWALK AREA. THE WHEELCHAIR RAMP SHALL BE LOCATED TO THE RIGHT OF THE OBSTRUCTION.
3. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK, AND IT IS TO BE LOCATED TO THE RIGHT OF THE CROSSWALK.
4. DRAINAGE FACILITIES ARE TO BE LOCATED UP-GRADE OF ALL WHEELCHAIR RAMPS.
5. WHEELCHAIR RAMPS TO BE SHOWN AS SLOPED GRADIENTS ON THE MAINTENANCE MANUAL.
6. IN NO INSTANCE SHALL THE SIDEWALK CROSS SLOPE EXCEED 1:50 EXCEPT WITHIN THE RAMP AREA.
7. THE MAXIMUM SLOPE OF TRAVEL WITHIN THE WHEELCHAIR RAMP SHALL NOT BE STEEPER THAN 1:12.
8. THE WHEELCHAIR RAMP SLOPE AND SIDE SLOPES (TRANSITIONS), MUST NOT BE STEEPER THAN 1:12. HOWEVER, THESE TRANSITIONS SHALL BE LOCATED TO THE RIGHT OF THE WHEELCHAIR RAMP.
9. WHERE THE ROAD PROFILE EXCEEDS A 4% HIGH SIDE TRANSITION LENGTH (7' SHALL BE EIGHTEEN FEET (18'-0")) SHALL BE LOCATED TO THE RIGHT OF THE WHEELCHAIR RAMP.
10. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
11. THE WHEELCHAIR RAMP SHALL BE COUNTERED TO THE ROADWAY WHEN POSSIBLE.
12. MINIMUM LENGTH OF STRAIGHT OR CURVILINEAR FILLER PILES TO BE 3'-0" (GREATER LENGTHS PREFERRED).
13. THE WHEELCHAIR RAMP SHALL BE LOCATED TO THE RIGHT OF THE CROSSWALK.
14. DETECTABLE WARNINGS TO BE PAID FOR UNDER SECTION 942 OF THE R STANDARD SPECIFICATIONS.
15. THE WHEELCHAIR RAMP SHALL BE LOCATED TO THE RIGHT OF THE CROSSWALK AND TO THE RIGHT OF ALL OBSTRUCTIONS.



**NOTES:**

**SECTION A-A** — CONCRETE SIDEWALK AND LANDING

1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. THIS DETAIL IS TO BE USED ONLY WHEN STATE RIGHT-OF-WAY IS LIMITED TO BACK OF SIDEWALK, AND SIDEWALK IS NARROW WITH NO PEDESTRIAN TRAFFIC FROM SIDE STREET.
3. WHEN ANY OBSTRUCTION LOCATED IN THE SIDEWALK FALLS WITHIN A CROSSWALK AREA, IF POSSIBLE, THE OBSTRUCTION SHALL BE PLACED SUCH THAT IT FALLS OUTSIDE OF THE RAMP.
4. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK, AND IT IS TO BE CENTERED WHENEVER POSSIBLE.
5. DRAINAGE FACILITIES ARE TO BE LOCATED UP-GRADE OF ALL WHEELCHAIR RAMPS.
6. LOCATION OF WHEELCHAIR RAMPS IS AS SHOWN ON CONTRACT DRAWINGS.
7. ALL REQUIRED PIECES OF CURB PIECES TO BE PAID FOR UNDER COST OF CURB.
8. WHERE THE ROAD PROFILE EXCEEDS 5% THE TRANSITION LENGTH (T) SHALL BE EIGHTEEN FEET (18'-0").
9. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
10. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).
11. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 4'-0" SHALL BE MAINTAINED.



**NOTES**

1. DETECTABLE WARNING PANEL SHALL BE IN ACCORDANCE WITH SECTION 942 OF THE RHODE ISLAND STANDARD SPECIFICATIONS; PANEL TO MATCH RAMP WIDTH.



**Michael Baker**  
INTERNATIONAL

56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM

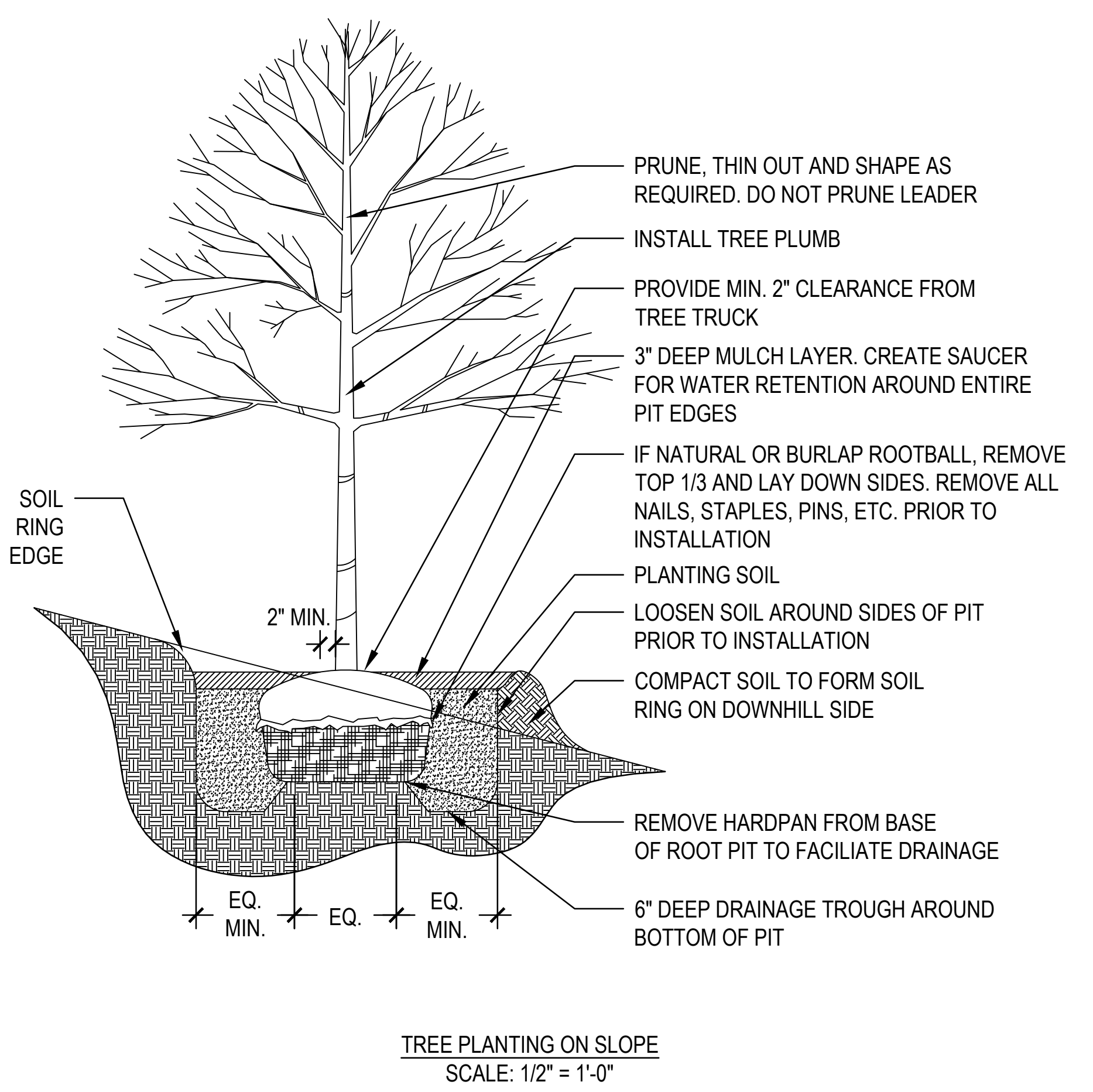
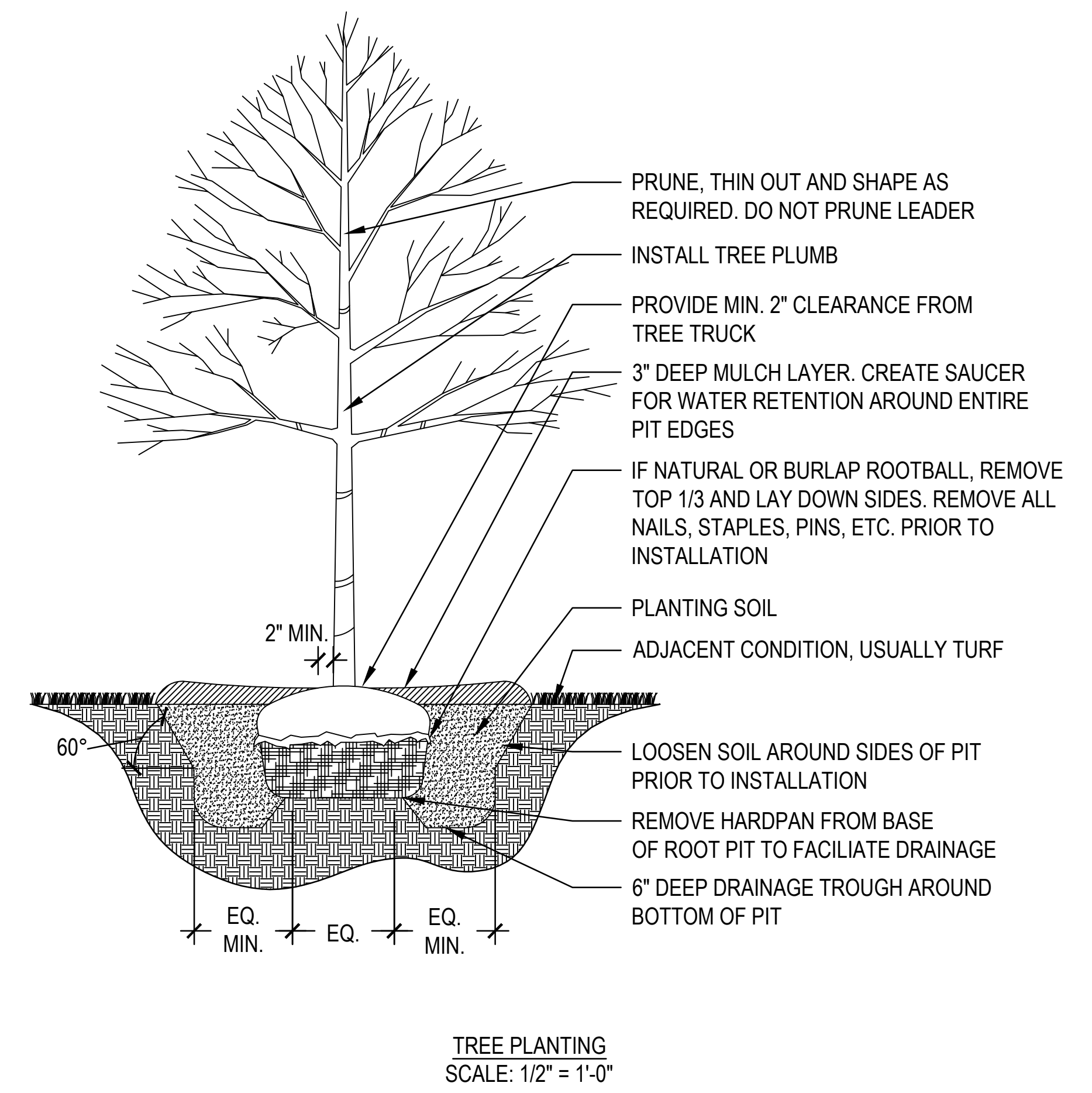
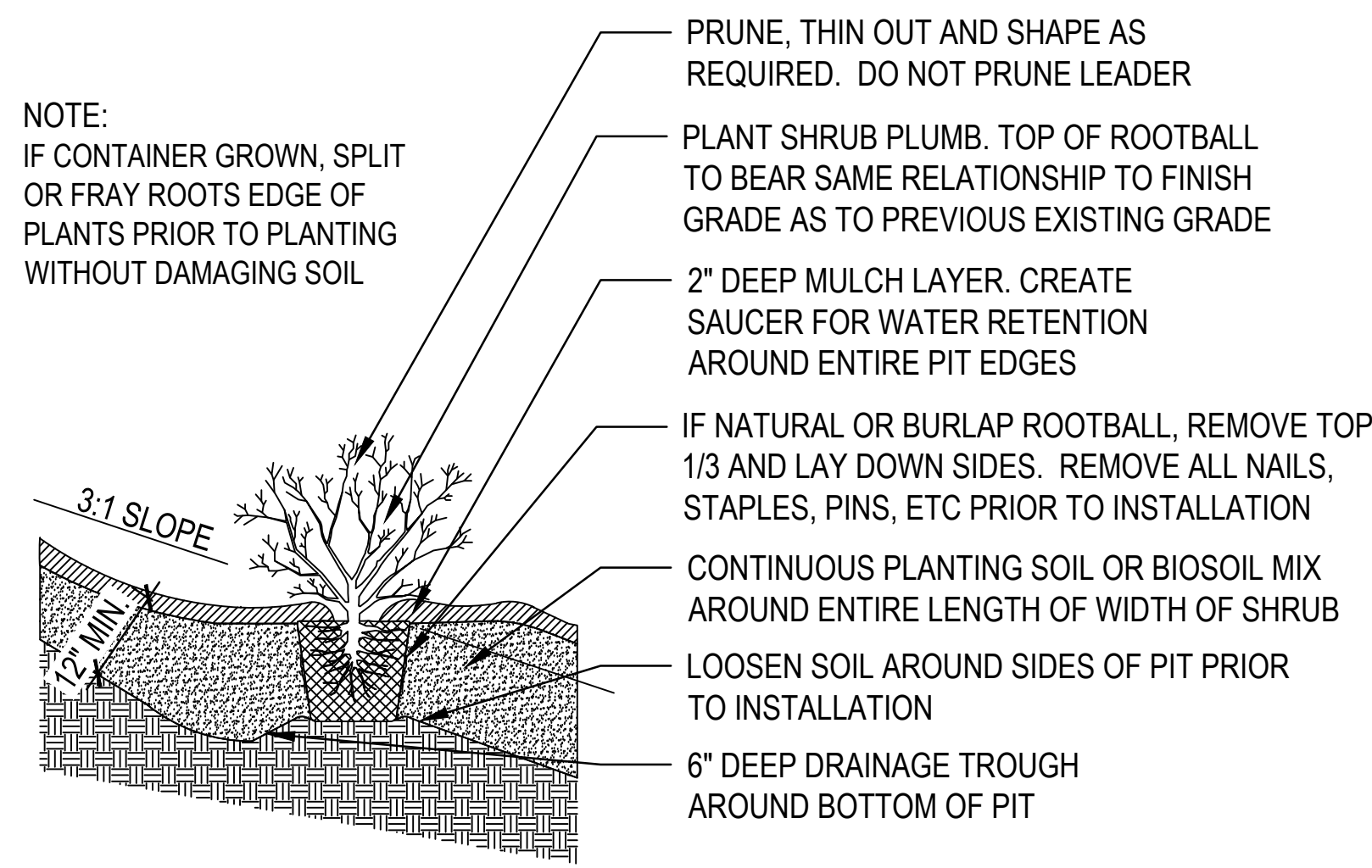
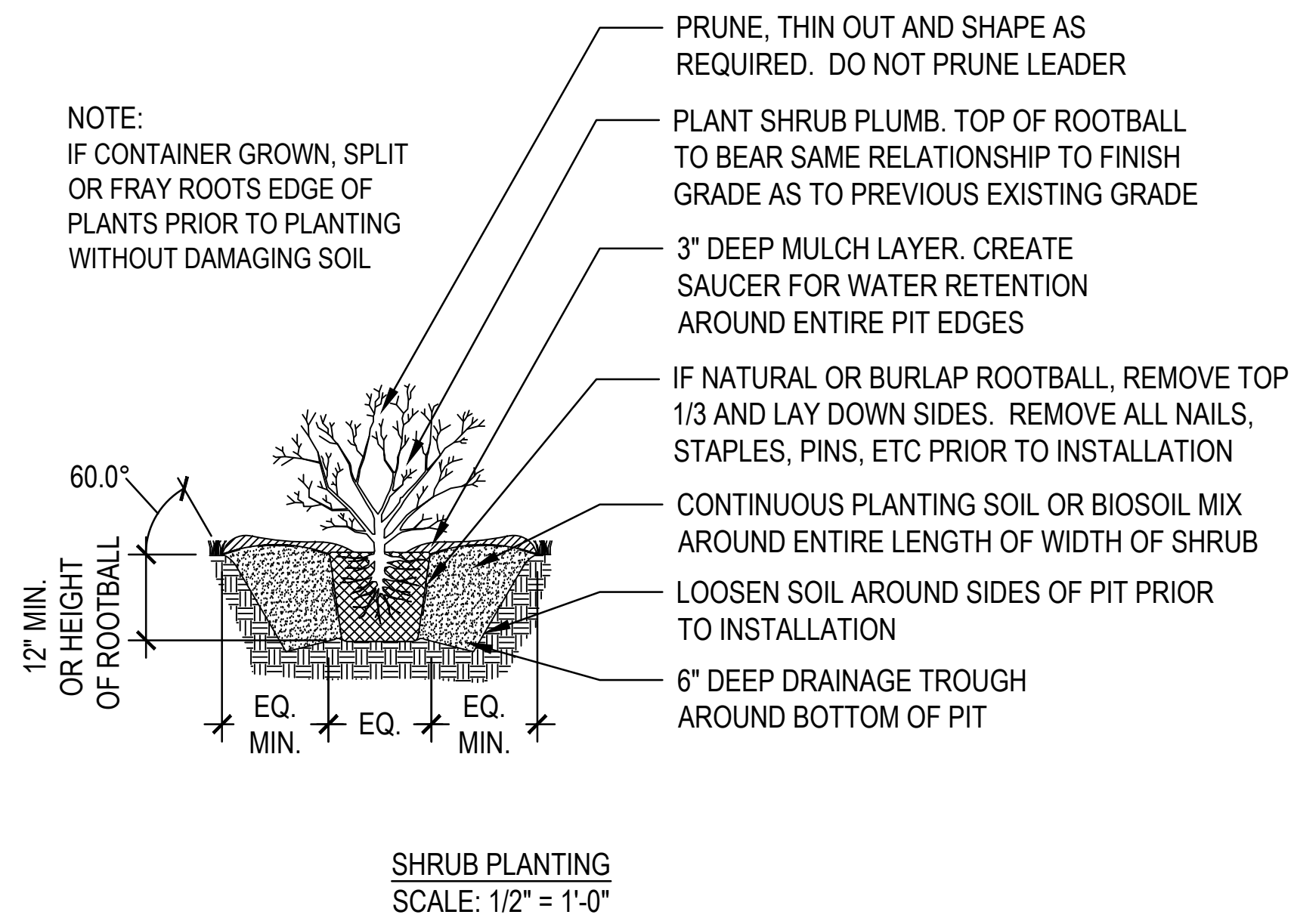


DESIGNED BY: JC  
CHECKED BY: DF  
DATE: 02/15/2023  
SHEET: 026  
OF: 027

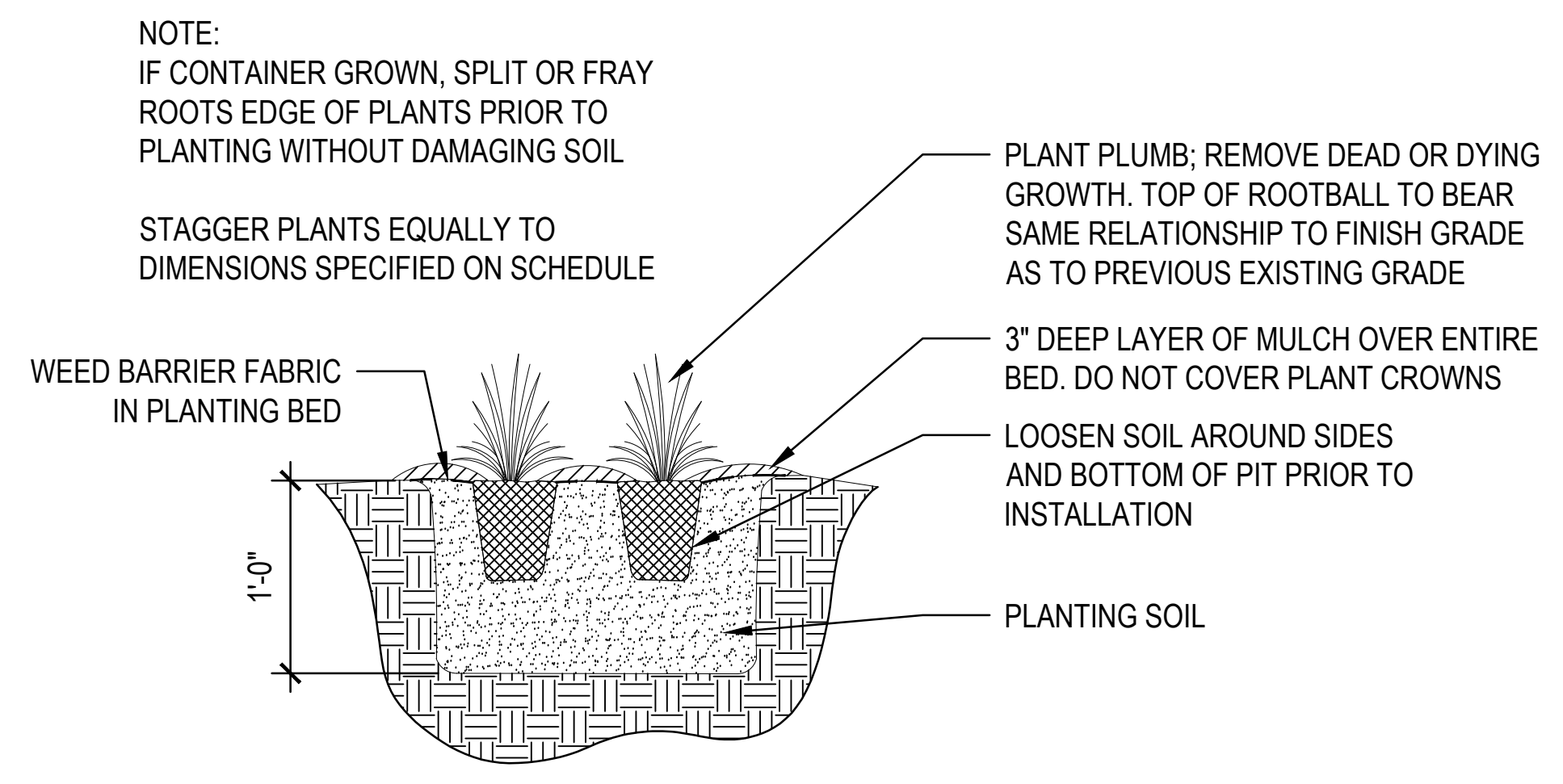
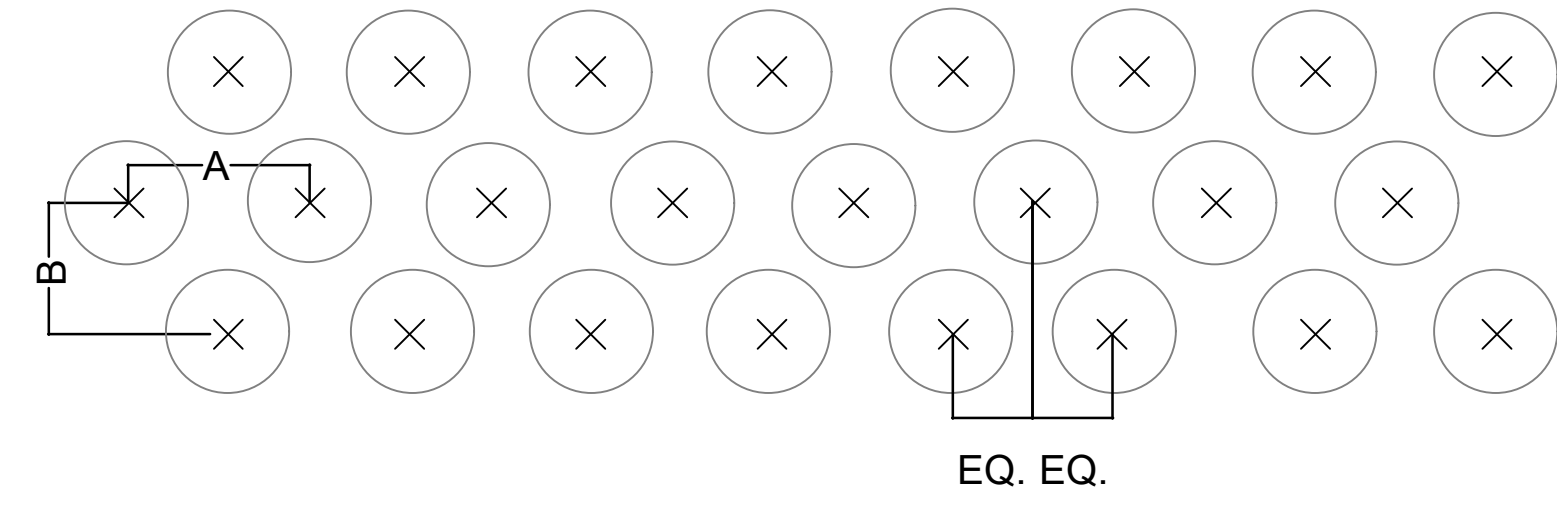
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

RIPTA-CCRI ENHANCED BUS SERVICE PROJECT		RHODE ISLAND
WARWICK	DRAWING TITLE:  CIVIL DETAILS	DRAWING NO.  C-506





SPACING "A" (SEE PLANT LIST -NOTES COLUMN)	ROW "B"	NUMBER OF PLANTS PER SQUARE FOOT
6" o.c.	5.20"	4.00
8" o.c.	6.93"	2.60
12" o.c.	10.40"	1.00
18" o.c.	15.60"	0.45
24" o.c.	20.80"	0.25
30" o.c.	25.40"	0.16
36" o.c.	29.70"	0.11
48" o.c.	39.60"	0.0625



**Michael Baker INTERNATIONAL**  
56 Exchange Terrace  
4th Floor, Suite 400  
Providence, RI 02903  
(401) 824-3600  
MBAKERINTL.COM



DESIGNED BY: DC	CHECKED BY: JC	DATE: 02/15/2023	SHEET: 027	OF: 027	SCALE: 1/2" = 1'-0"	GRAPHIC SCALE	WARWICK	RIPTA-CCRI ENHANCED BUS SERVICE PROJECT	RHODE ISLAND																	
					<table border="1"> <tr> <th colspan="3">REVISIONS</th> <th colspan="3">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		REVISIONS			REVISIONS			NO.	DATE	BY	NO.	DATE	BY							DRAWING TITLE: LANDSCAPE DETAILS	DRAWING NO. C-511
REVISIONS			REVISIONS																							
NO.	DATE	BY	NO.	DATE	BY																					