

Parking Technology Improvements

University of Rhode Island
Kingston, Rhode Island

OWNER / APPLICANT:

University of Rhode Island
Office of Capital Projects
60 Tootell Road
Kingstown, RI 02881
(401) 874-2725

CIVIL ENGINEER:



PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

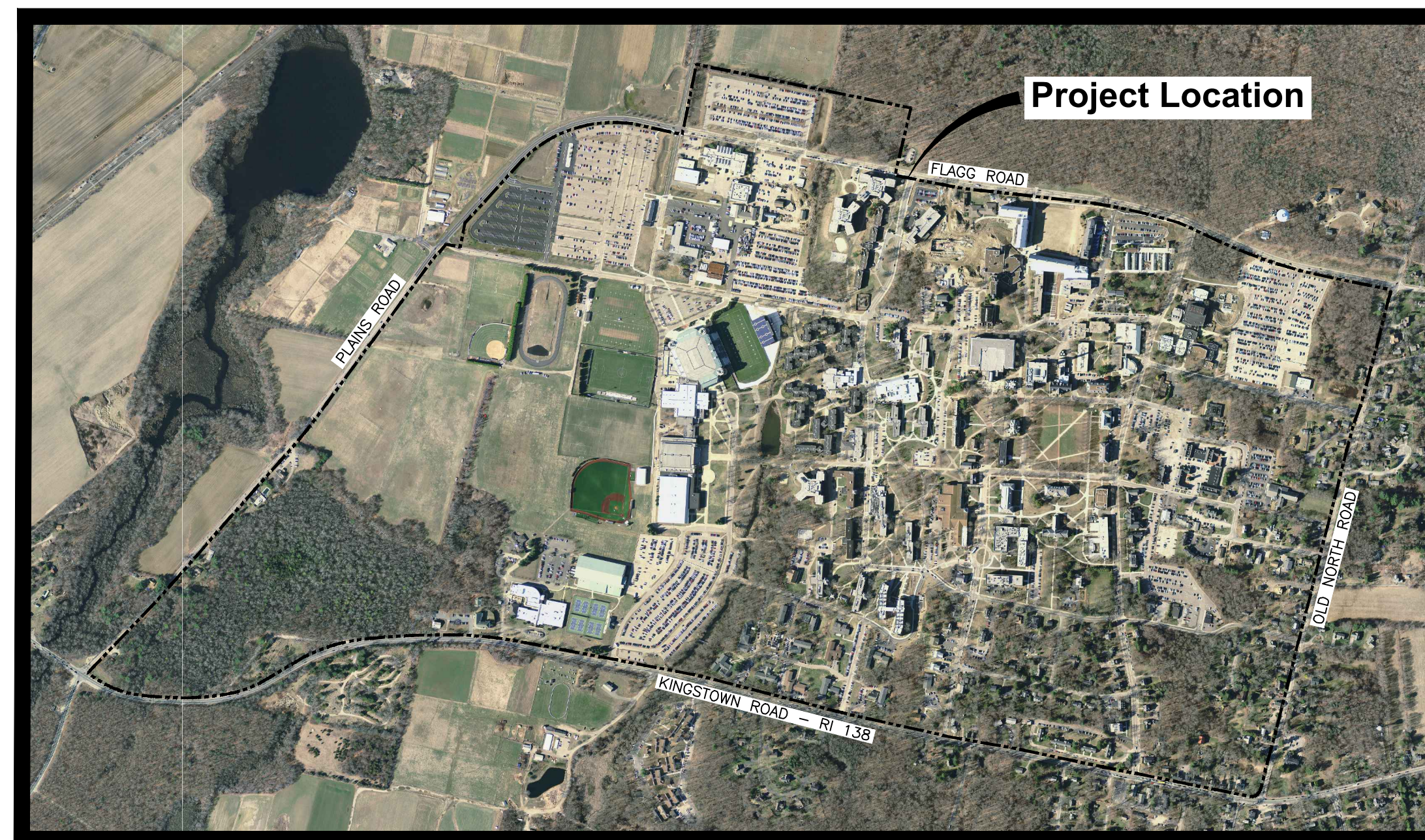
ELECTRICAL ENGINEER:



195 Frances Avenue, Building #2
Cranston, RI 02910
(401) 438-7733

COMMUNICATIONS ENGINEER:

Communications Design Services,
LLC
(401) 749-6909



Scale : N.T.S.

INDEX OF DRAWINGS

SHEET No.	DRAWING No.	DESCRIPTION
0	C0.0	COVER SHEET
1	C1.1	NOTES
2	C1.2	LEGEND
3	C1.3	OVERALL PLAN
4	C2.1	FINE ARTS NORTH SITE PLAN
5	C2.2	ALUMNI CENTER SITE PLAN
6 - 8	C3.1 - C3.3	DETAILS 1 - 3
9	E0.0	SYMBOL LIST, ABBREVIATIONS, AND NOTES
10	ES1.0	FINE ARTS NORTH LOT
11	ES1.1	ALUMNI CENTER LOT
12-13	ES2.0 - ES2.1	DETAILS

**ISSUED FOR BID
NOVEMBER 6, 2024**

REFERENCE

- PROJECT LOCATION: UNIVERSITY OF RHODE ISLAND, KINGSTON, RI 02881
- EXISTING CONDITIONS COMPILED FROM UNIVERSITY OF RHODE ISLAND GIS BASEMAPPING AND FIELD OBSERVATIONS.

GENERAL NOTES

- PER AVAILABLE RIDEM MAPPING, THE PROJECT SITE IS LOCATED OUTSIDE A NATURAL HERITAGE AREA.
- THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED MARCH 2018 WITH ALL REVISIONS AND ADDENDA, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. ALL WORK SHALL MEET OR EXCEED THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WITH LATEST REVISIONS. THE LATEST REVISION OF THE STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.
- 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 OWNER'S REPRESENTATIVE AS REQUIRED.
- 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 FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- 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. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEER'S APPROVAL.
- IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR SHALL IMMEDIATELY CONTACT AND COORDINATE ANY DEVIATIONS WITH THE ENGINEER AND OWNER.
- ANY AREA OUTSIDE OF THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT.
- ALL SIGNS SHALL BE REFLECTORIZED TYPE III SHEETING AND CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST REVISION.
- ALL UTILITIES (LOCATION AND ELEVATION) DEPICTED SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES AND THE COST TO REPAIR THE DAMAGES TO INITIAL CONDITIONS, AS DEPICTED ON THE PLANS, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- NO EXCAVATION SHALL BE DONE UNTIL UTILITY 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.

LAYOUT NOTES

- ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
- ACCESSIBLE RAMPS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY STANDARDS.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL PERFORM BENCHMARK FIELD LEVEL VERIFICATION AND COORDINATE LAYOUT CHECK. THE CONTRACTOR SHALL CONTACT PARE CORPORATION IF ANY DISCREPANCIES ARE FOUND.
- DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM FACE OF CURB TO FACE OF CURB. DIMENSIONS FROM BUILDING ARE FROM FACE OF BUILDING TO FACE OF CURB.

DEMOLITION NOTES

- THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT AND CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED SITE GENERAL, GRADING, UTILITY, AND LANDSCAPING DRAWINGS.
- ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. THE CONTRACTOR SHALL COORDINATE ALL UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER, OWNER AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH WORK.
- WATER, SEWER, DRAINAGE, GAS, AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE THROUGHOUT CONSTRUCTION. THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICES DURING THE CONSTRUCTION OPERATION WITHOUT APPROVAL FROM THE OWNER.

GRADING AND UTILITY NOTES

- UNDERGROUND UTILITIES DEPICTED WERE COMPILED FROM AVAILABLE RECORD PLANS AND SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES DEPICTED OR NOT DEPICTED ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS TO REPAIR SUCH DAMAGES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED.
- ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS.
- AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
- 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. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED.
- 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 SHALL BE PROVIDED ON A SKETCH TO SCALE OF THE EXISTING UTILITY WITH TIES TO KNOWN POINTS, PHOTOS AND FURNISHED TO THE ENGINEER FOR RESOLUTION.
- THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS SHALL BE RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- GAS, ELECTRIC, AND COMMUNICATIONS ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY APPROPRIATE UTILITY COMPANIES.
- DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE OWNER.
- PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED OTHERWISE.
- THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5% AS SHOWN ON CONSTRUCTION DETAILS AND GRADING PLAN.

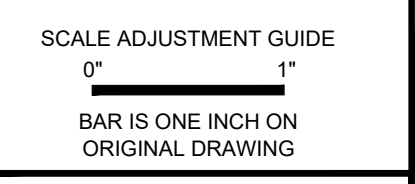
EROSION AND SEDIMENTATION CONTROL NOTES - RHODE ISLAND

- ALL EROSION CONTROLS SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST REVISION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING OR INSTALLING ALL TEMPORARY SEDIMENT AND EROSION CONTROLS AS SHOWN ON THESE PLANS AND SHALL MAINTAIN ALL EROSION CONTROL MEASURES AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD.
- ANTI-TRACKING PADS (R.I. STD. DETAIL 9.9.0) SHALL BE PROVIDED AT ALL POINTS OF VEHICULAR INGRESS AND EGRESS ON THE CONSTRUCTION SITE AND SHALL BE MAINTAINED TO LIMIT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.
- EROSION CONTROL BARRIERS SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS.
- SOIL 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. IDENTIFIED DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY.
- DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL CLEAN AND MAINTAIN EROSION CONTROL BARRIER WHEN SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT OF THE BARRIER. MATERIAL COLLECTED FROM THE SEDIMENTATION BARRIERS SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AN UPLAND AREA.
- THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PONDING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS.
- INSTALLATION OF THE EROSION CONTROL BARRIERS AS ILLUSTRATED IS INTENDED TO REPRESENT THE MINIMUM SEDIMENTATION CONTROL FACILITIES NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- REQUIRED SEDIMENTATION CONTROL FACILITIES MUST 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.
- THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT RESERVE OF VARIOUS EROSION CONTROL MATERIALS ONSITE AT ALL TIMES FOR EMERGENCY PURPOSES OR ROUTINE MAINTENANCE.
- EXISTING AND NEWLY INSTALLED CATCH BASINS AND STORM DRAIN INLETS SHALL BE PROTECTED WITH APPROPRIATE TEMPORARY INLET PROTECTION IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
- DEWATERING WASTE WATERS PUMPED FROM EXCAVATIONS SHALL BE CONVEYED BY HOSE TO AN UPLAND AREA AND DISCHARGED INTO STRAW BALE CORRALS OR SEDIMENTATION BAGS.
- THE CONTRACTOR SHALL NOT REMOVE ANY TEMPORARY SEDIMENT CONTROL BARRIERS UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.
- CONSTRUCTION SITE WASTE MATERIALS SHALL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE AT A LOCATION IN ACCORDANCE WITH THE LOCAL AND STATE REGULATIONS.
- RIP-RAP OR OTHER ENERGY DISSIPATERS SHALL BE USED WHERE NECESSARY TO PREVENT SCOUR.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS UPON COMPLETION OF WORK IN THAT AREA.
- ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO ACCEPTANCE OF FINAL PROJECT.
- NEWLY VEGETATED AREAS SHALL BE MAINTAINED REGULARLY TO ENSURE STABLE VEGETATED SURFACES.
- EROSION AND SEDIMENTATION CONTROLS SHALL BE UTILIZED AS SHOWN ON THE PLANS. POTENTIAL EROSION AND SEDIMENTATION PROBLEMS ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT SHALL BE AVOIDED THROUGH THE PROJECT SCHEDULING AND THE USE OF APPROPRIATE STANDARD CONTROLS (RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK) AS ILLUSTRATED ON THE PROJECT PLANS.
- WHERE EROSION CONTROLS ARE NEEDED ON IMPERVIOUS SURFACES, THE CONTRACTOR SHALL PROVIDE SAND BAG EROSION CONTROL BARRIER.
- TEMPORARY DIVERSION (TD) MAY CONSIST OF A DITCH OR SWALE, OR MAY BE ACHIEVED USING WOOD CHIPS, COIR LOGS, OR SIMILAR MATERIALS.
- TEMPORARY SEDIMENT TRAPS (TST) AND TEMPORARY SWALES (TSW) SHALL BE SIZED BY THE CONTRACTOR USING THE PARAMETERS CONTAINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.



OWNER / APPLICANT:

University of Rhode Island
Office of Capital Projects
60 Tootell Road
Kingstown, RI 02881
(401) 874-2725



Parking Technology Improvements
University of Rhode Island
 Kingston, RI

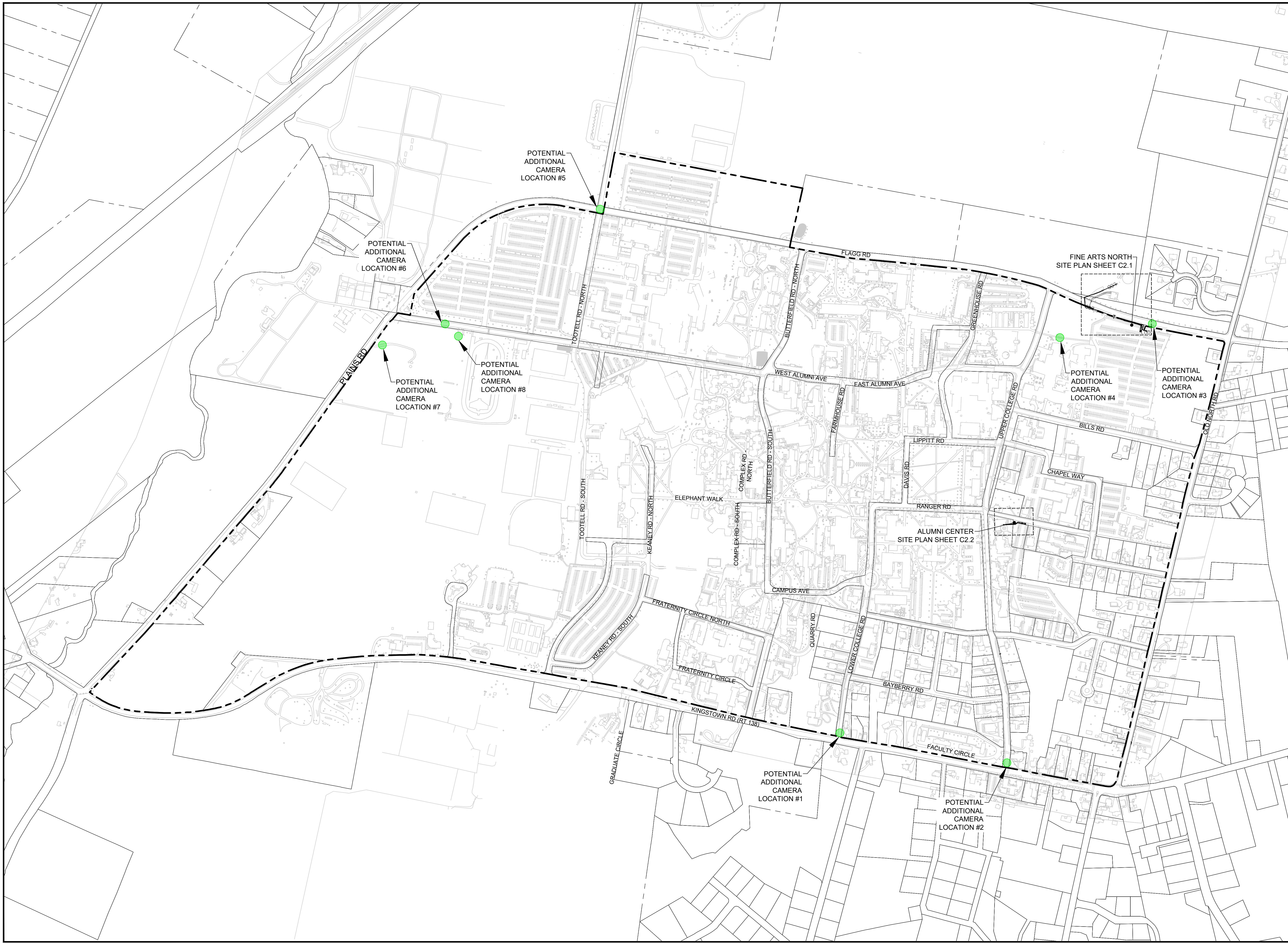
REVISIONS:

0	11-06-2024	ISSUED FOR BID

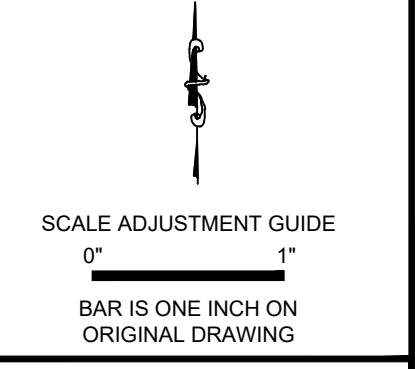
PROJECT NO.: 20002.00
 DATE: NOVEMBER 6, 2024
 SCALE: AS NOTED
 DESIGNED BY: KJM
 CHECKED BY: MBA
 DRAWN BY: AKL
 APPROVED BY: DLP
 DRAWING TITLE:

NOTES

DRAWING NO.:
C1.1
 SHEET NO. 1 OF 11



OWNER / APPLICANT:
 University of Rhode Island
 Office of Capital Projects
 60 Tootell Road
 Kingstown, RI 02881
 (401) 874-2725



Parking Technology Improvements
University of Rhode Island
 Kingston, RI

REVISIONS:
 0 11-06-2024 ISSUED FOR BID

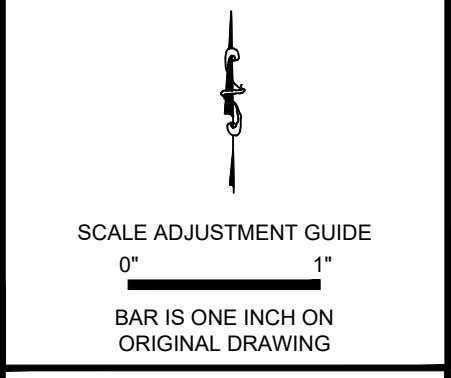
PROJECT NO.: 20002.00
 DATE: NOVEMBER 6, 2024
 SCALE: 1" = 300'
 DESIGNED BY: KJM
 CHECKED BY: MBA
 DRAWN BY: AKL
 APPROVED BY: DLP
 DRAWING TITLE:

OVERALL PLAN

DRAWING NO.:
C1.3
 SHEET NO. 3 OF 11



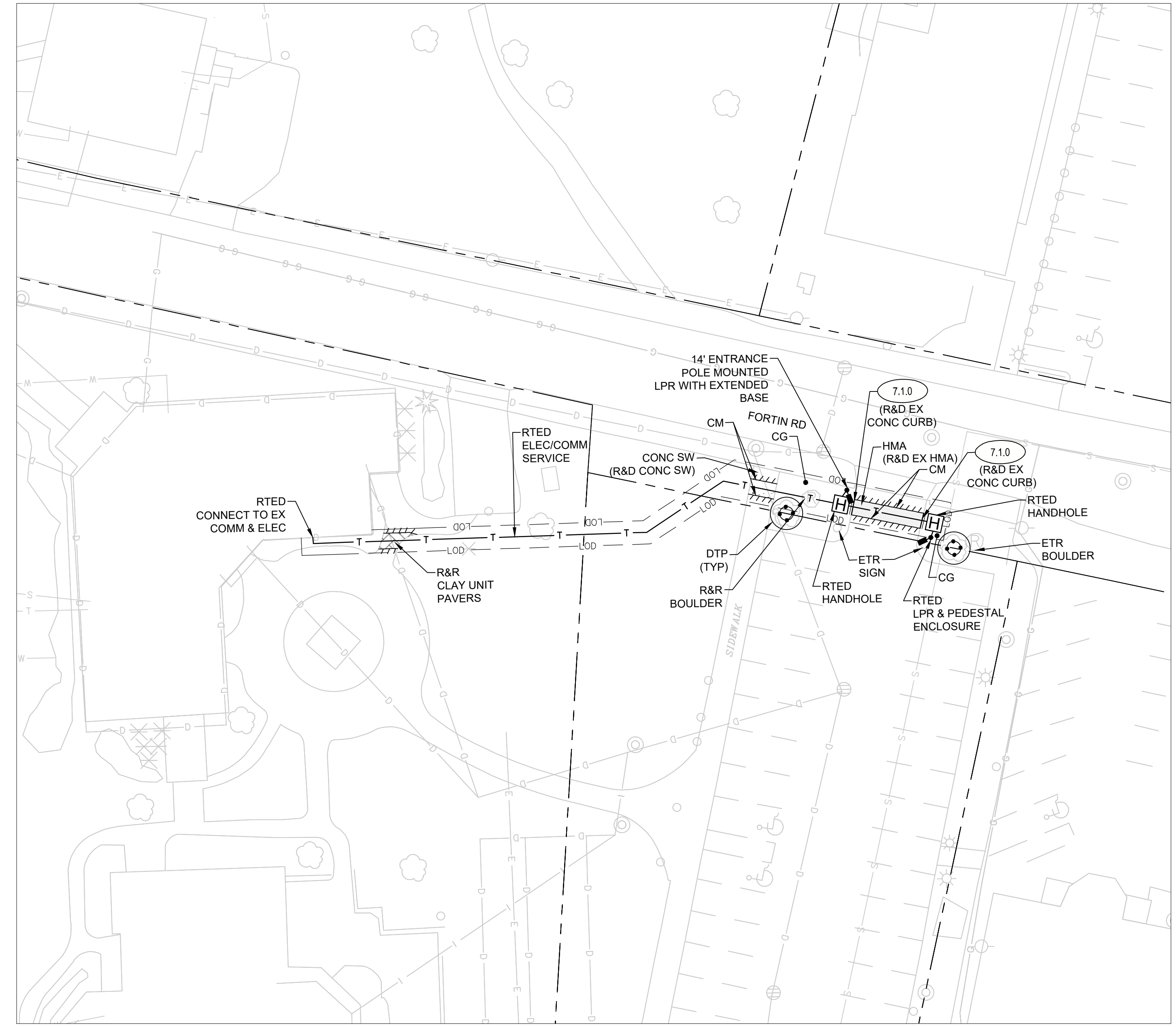
OWNER / APPLICANT:
 University of Rhode Island
 Office of Capital Projects
 60 Tootell Road
 Kingstown, RI 02881
 (401) 874-2725



Parking Technology Improvements
University of Rhode Island
 Kingstown, RI



WELCOME CENTER AND ALUMNI CENTER LOTS
 SCALE: 1"=150'



N ENTRANCE
 SCALE: 1"=20'

- NOTES:**
- CONTRACTOR SHALL PROVIDE 4" THICK LOAM AND SEED ON ALL DISTURBED AREAS UNLESS NOTED OTHERWISE.
 - INSTALL 'UTE MESH' EROSION CONTROL FABRIC WHERE FINAL GRADING ARE 3:1 (33%) OR GREATER PER MANUFACTURER'S INSTRUCTIONS.
 - UNLESS OTHERWISE SPECIFIED, CONTRACTOR TO LOAM AND SEED ALL DISTURBED AREAS. SEEDING NOTE: USE UNIVERSITY OF RHODE ISLAND NO. 2 IMPROVED SEED MIX OR APPROVED EQUIVALENT.
 - LANDSCAPE ESTABLISHMENT AND MAINTENANCE NOTES: CONTRACTOR SHALL ENSURE THAT ALL LAWN AREAS AND PLANTINGS ARE FULLY ESTABLISHED AND ACCEPTABLE TO THE OWNER'S REPRESENTATIVE PRIOR TO RELINQUISHING THEIR RESPONSIBILITIES FOR MAINTENANCE OF THESE AREAS.
 - ALL ACCESSIBLE RAMPS SHALL BE CONSTRUCTED WITH DETECTABLE WARNING PAVERS.
 - PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF RHODE ISLAND TO ESTABLISH CONTROL ON THE SITE AND TO PERFORM FIELD MEASUREMENTS AS REQUIRED TO LAYOUT THE PROPOSED BUILDING AND SITE IMPROVEMENTS. THE CONTRACTOR'S SURVEYOR SHALL COORDINATE THE BUILDING LAYOUT WITH THE PROJECT LAND SURVEYOR TO ACCURATELY LOCATE THE BUILDING ON THE SITE.
 - EXPANSION JOINTS (E.J.) 20 FEET O.C. (MAX.) UNLESS OTHERWISE NOTED.
 - CONTROL JOINTS (C.J.) 5 FEET O.C. (MAX.) UNLESS OTHERWISE NOTED.
 - PAVEMENT MARKINGS SHALL BE EPOXY PAVEMENT MARKING UNLESS NOTED OTHERWISE. WATERBORNE PAVEMENT MARKINGS ARE NOT ACCEPTABLE.
 - CONTRACTOR SHALL REMOVE AND RESET FULL CURB SECTION. PROVIDE PAVEMENT AND CURB LOCK AS REQUIRED. AVOID CUTTING CURB SECTIONS.
 - PROPOSED POLES WITHOUT EXTENDED FOUNDATIONS SHALL BE SET A MINIMUM OF 5' FROM THE EDGE OF ROAD.
 - ALL ELECTRICAL AND TELECOMMUNICATIONS SERVICES SHOWN ARE SCHEMATIC. COORDINATION WITH EXISTING FIELD CONDITIONS WILL BE REQUIRED DURING CONSTRUCTION. ALL ROUTING CHANGES SHALL BE COORDINATED WITH THE ELECTRICAL, TELECOMMUNICATIONS, AND CIVIL ENGINEERS.
 - REMOVE AND RESET EXISTING WELCOME CENTER LICENSE PLATE READER (LPR) CAMERAS PER MANUFACTURE'S RECOMMENDATIONS.

REVISIONS:

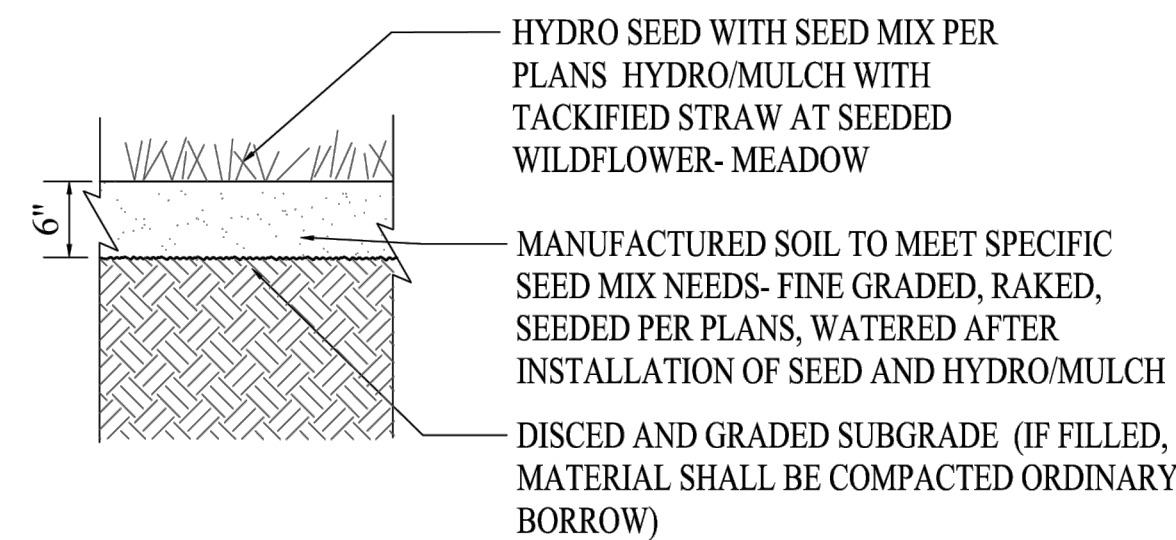
0	11-06-2024	ISSUED FOR BID
---	------------	----------------

PROJECT NO.: 20002.00
 DATE: NOVEMBER 6, 2024
 SCALE: AS NOTED
 DESIGNED BY: KJM
 CHECKED BY: MBA
 DRAWN BY: AKL
 APPROVED BY: DLP

DRAWING TITLE:
ALUMNI CENTER SITE PLAN

DRAWING NO.:
C2.2
 SHEET NO. 5 OF 11

Grass & Turf Alternative Seeding Details (URI2017-60)



Grass Seeding
District: Campus-wide

Design Narrative:

- Till in hydroseed
- Decompact soil before application

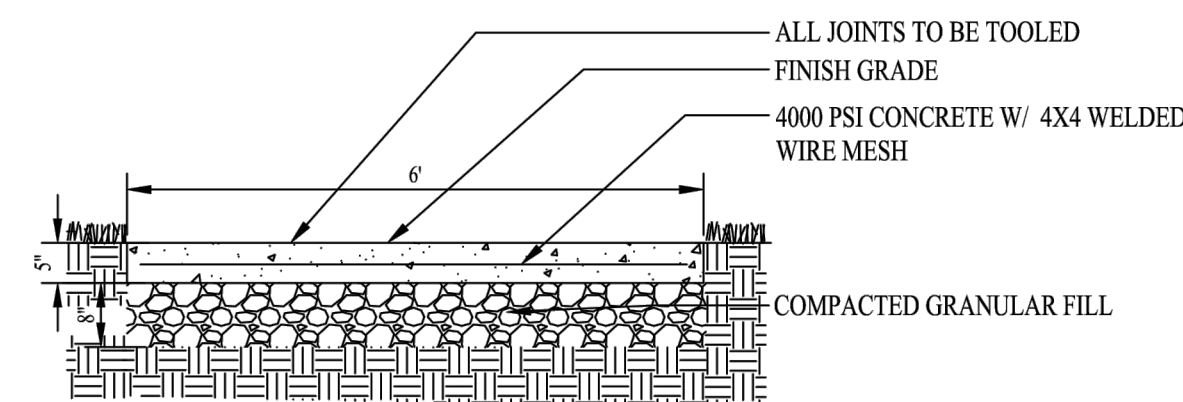
Turf Alternative Seeding
District: Campus-wide, exclusive of Historic Campus Core District

Design Narrative:

- Till in hydroseed
- Decompact soil before application/conversions of extensive turf areas to meadow plantings should be considered in all districts except the Historic Campus Core District.
- Areas of conversion shall be thoroughly studied and proposed locations shall be submitted, reviewed, and approved by the CP&D office.
- Meadow areas shall not use topsoil appropriate for lawns; meadow soil mixture to be designed specifically for meadow mix.

LOAM AND SEED DETAIL
NOT TO SCALE

6-Foot Wide Pedestrian Path (URI2017-17)



District:
Campus-wide

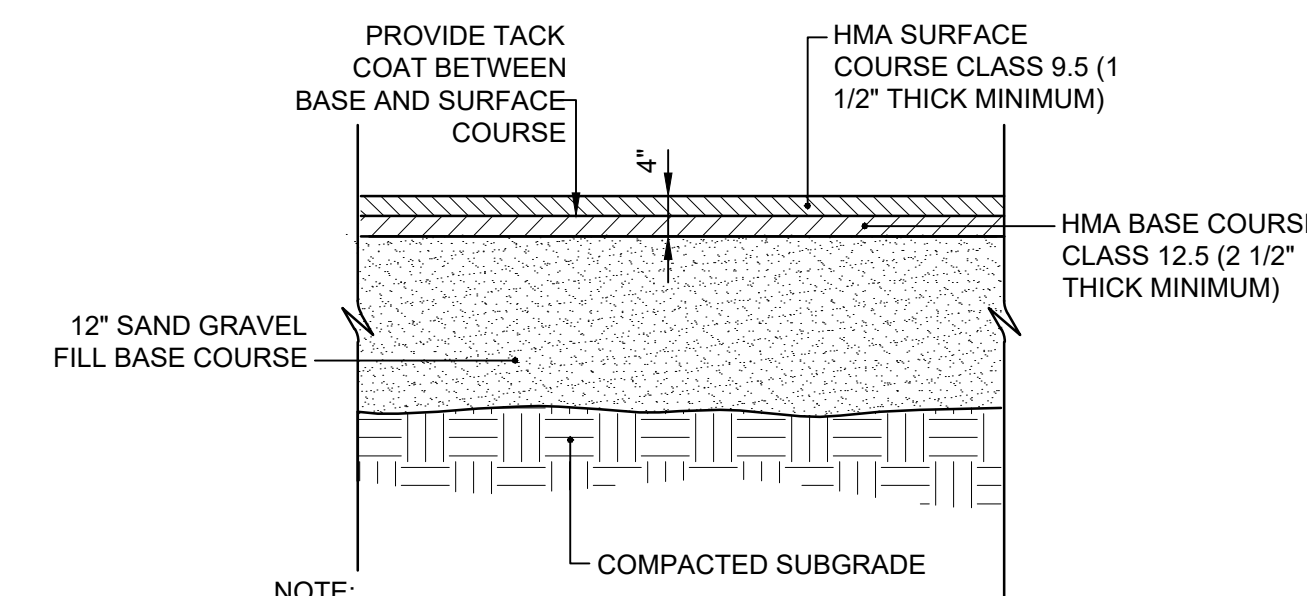
Color:
Gray

Make:
Cast-in-place concrete

Design Narrative:

- Concrete shall have welded wire mesh reinforcement
- Expansion joints shall have dowels (see expansion joint detail)
- All score joints shall be tooled, brushed, and tooled again to create "window pane" aesthetic
- No running bond score joint pattern will be accepted
- All concrete pavement shall be sealed at time of initial installation
- 6-foot wide paths shall be poured to a depth of 5 inches
- Add silane-siloxane sealer to increase salt resistance
- Wire mesh must be three inches clear on all faces of concrete pour

CEMENT CONCRETE WALK
NOT TO SCALE

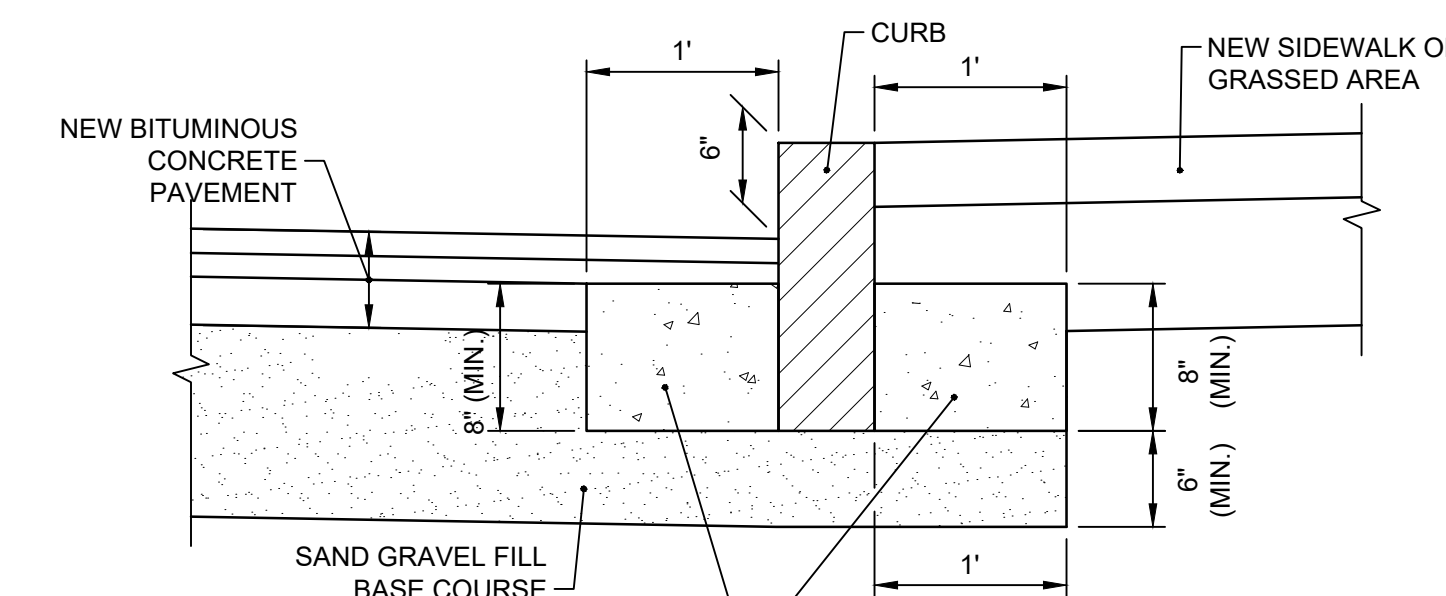


NOTE:

- SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.
- THE ABOVE DETAIL REPRESENTS THE MINIMUM REQUIRED DIMENSIONS. BASE AND PAVEMENT THICKNESS SHALL MATCH EXISTING WHERE EXCEEDING THE ABOVE DIMENSIONS.

HOT MIX ASPHALT PAVEMENT
NOT TO SCALE

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

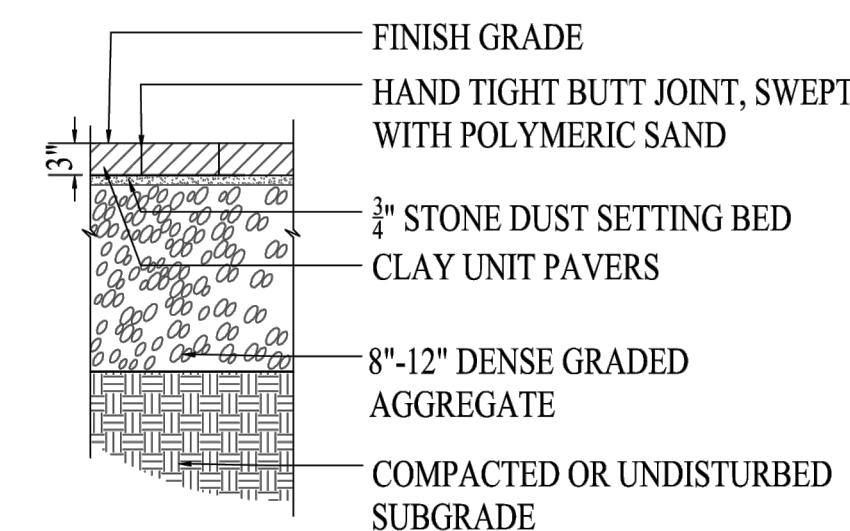


NOTES:

- SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
- PROVIDE CEMENT CONCRETE CURB LOCK ON ALL CURBS

CURB SETTING DETAIL
NOT TO SCALE

Clay Unit Pavers on Aggregate Subbase (URI2017-24)



District:
Case-by-case basis

Color:
Designated on a case-by-case basis

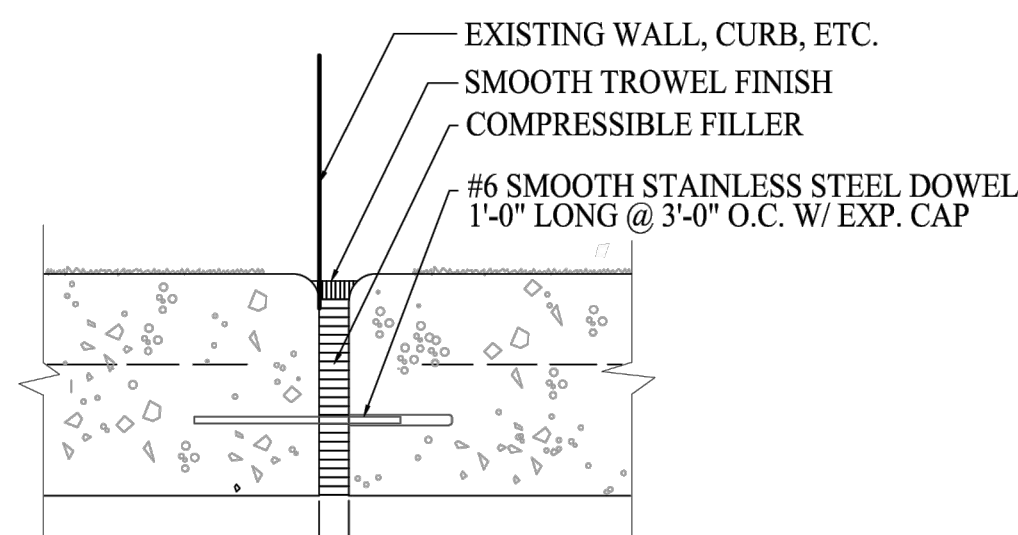
Make:
TBD

Design Narrative:

- Coursing patterns and colors to be approved by CP&D

CLAY UNIT PAVERS ON AGGREGATE SUBBASE DETAIL
NOT TO SCALE

Expansion Joint (URI2017-21)



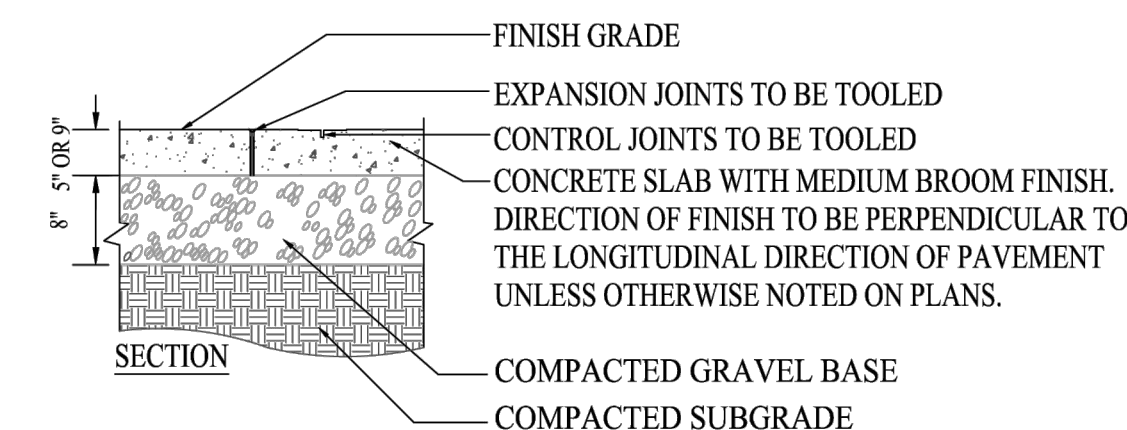
District:
Campus-wide

Design Narrative:

- Expansion joints should be installed at all building walls, benches, and anywhere a vertical element abuts concrete pavement
- 9-inch thick slab shall have expansion joints designated by civil
- 5-inch thick slab shall have expansion joints every 20 feet minimum
- 5 feet max. distance for contraction joint
- Sealant for joints shall be fast-curing self-leveling polyurethane

EXPANSION AND CONTROL JOINTS FOR SIDEWALK PAVING
NOT TO SCALE

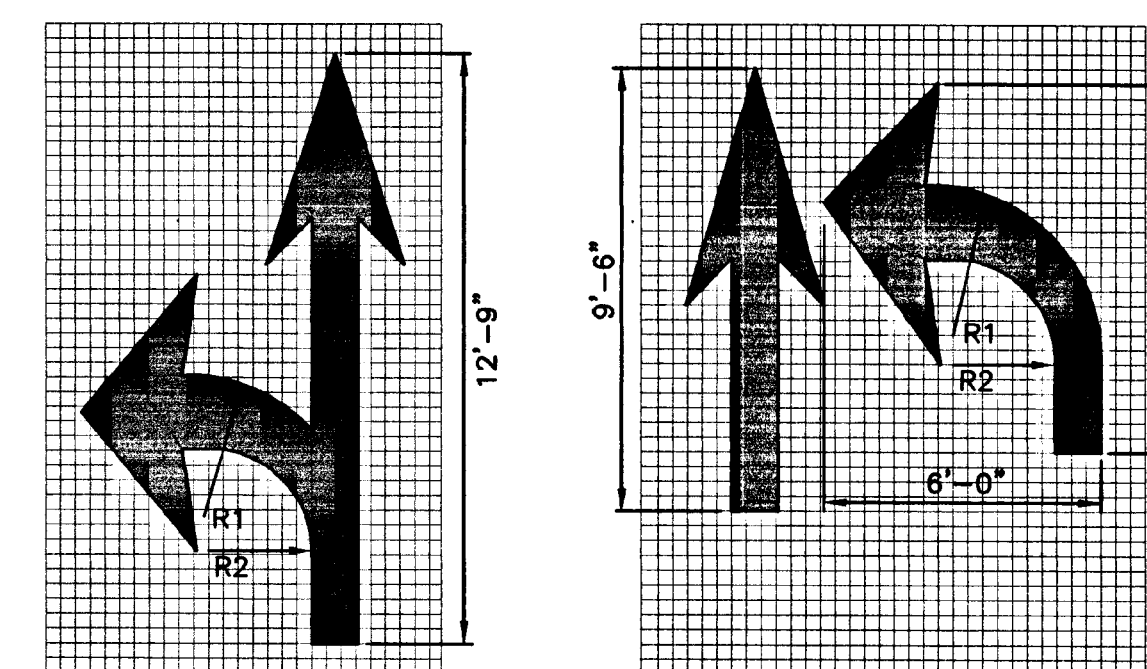
Concrete Control Joint/Expansion Joint (URI2017-20)



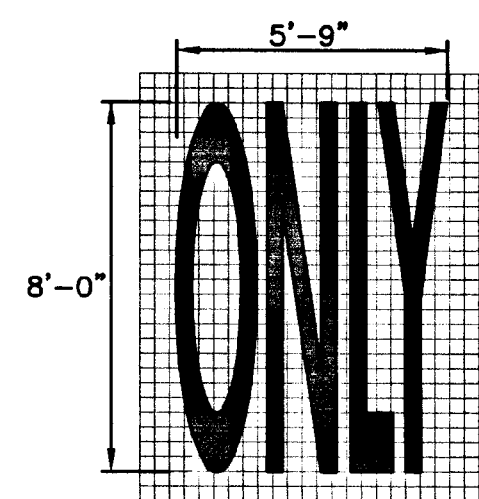
District:
Campus-wide

Design Narrative:

- Expansion joints should be installed at all building walls, benches, and anywhere a vertical element abuts concrete pavement
- 9-inch thick slab shall have expansion joints designated by civil
- 5-inch thick slab shall have expansion joints every 20 feet minimum
- 5 feet max. distance for contraction joint



R1 = 3'-2"
R2 = 2'-2"



NOTES:

- SHALL BE IN ACCORDANCE WITH SECTION T.20 OF THE R.I. STANDARD SPECIFICATIONS.
- THE LONGITUDINAL SPACE BETWEEN WORD OR SYMBOL MESSAGES, INCLUDING ARROWS, SHOULD BE AT LEAST FOUR TIMES THE HEIGHT OF THE CHARACTER FOR LOW SPEED ROADS BUT NOT MORE THAN TEN TIMES THE HEIGHT OF THE CHARACTER UNDER ANY CONDITIONS.
- THE SPACING OF THE PAVEMENT MARKINGS WILL BE AS SHOWN ON THE PLAN AND AS PER THE MUTCD.
- SYMBOLS AND WORDS SHALL MEET THE REQUIREMENTS OF THE FHWA STANDARD ALPHABET AND SYMBOLS FOR HIGHWAY PAVEMENT MARKINGS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE

PAVEMENT MARKINGS ARROWS AND ONLY

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD 20.1.0



OWNER / APPLICANT:
University of Rhode Island
Office of Capital Projects
60 Tootell Road
Kingstown, RI 02881
(401) 874-2725

Parking Technology Improvements
University of Rhode Island
Kingston, RI

REVISIONS:

NO.	DATE	DESCRIPTION
0	11-06-2024	ISSUED FOR BID

PROJECT NO.: 20002.00
DATE: NOVEMBER 6, 2024
SCALE: AS NOTED
DESIGNED BY: KJM
CHECKED BY: MBA
DRAWN BY: AKL
APPROVED BY: DLP
DRAWING TITLE:

DETAILS 1
DRAWING NO.:
C3.1
SHEET NO. 6 OF 11

CIRCULAR CURB

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0".
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
5. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

REVISIONS	NO.	BY	DATE
1	MLP	Mar 05	

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE CURB
R.I. STANDARD 7.1.0
JUNE 15, 1998

TRANSITION LENGTH (FT.)	BATTER (IN.)
6.0	1.5
7.0	1.3
8.0	1.2
9.5	1.0
11.5	0.8
15.0	0.6
18.0	0.5

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
3. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
4. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
5. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR CURB FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).

REVISIONS	NO.	BY	DATE
1	MLP	Mar 05	

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE WHEELCHAIR RAMP TRANSITION CURB
R.I. STANDARD 7.1.3
JUNE 15, 1998

CIRCULAR CURB

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

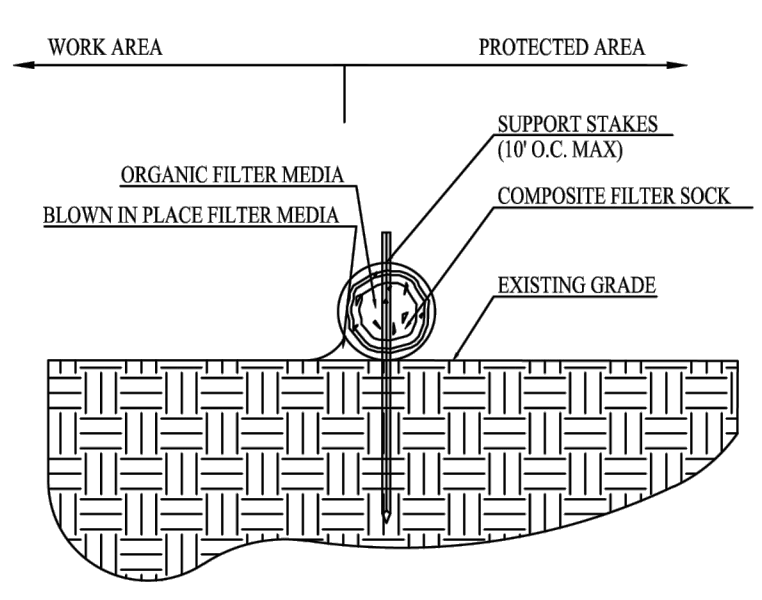
REVISIONS	NO.	BY	DATE
1	MLP	Mar 2005	
2	MLP	Sep 2012	

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
GRANITE CURB
R.I. STANDARD 7.3.0
JUNE 15, 1998

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES
R.I. STANDARD 51.1.1
JUNE 15, 1998

NOTE: SHALL BE IN ACCORDANCE WITH SECTION L.11 OF THE R.I. STANDARD SPECIFICATIONS.

Erosion Control Compost Filter Sock, Coir\Log\Curlx (URI2017-47)



District:
Campus-wide

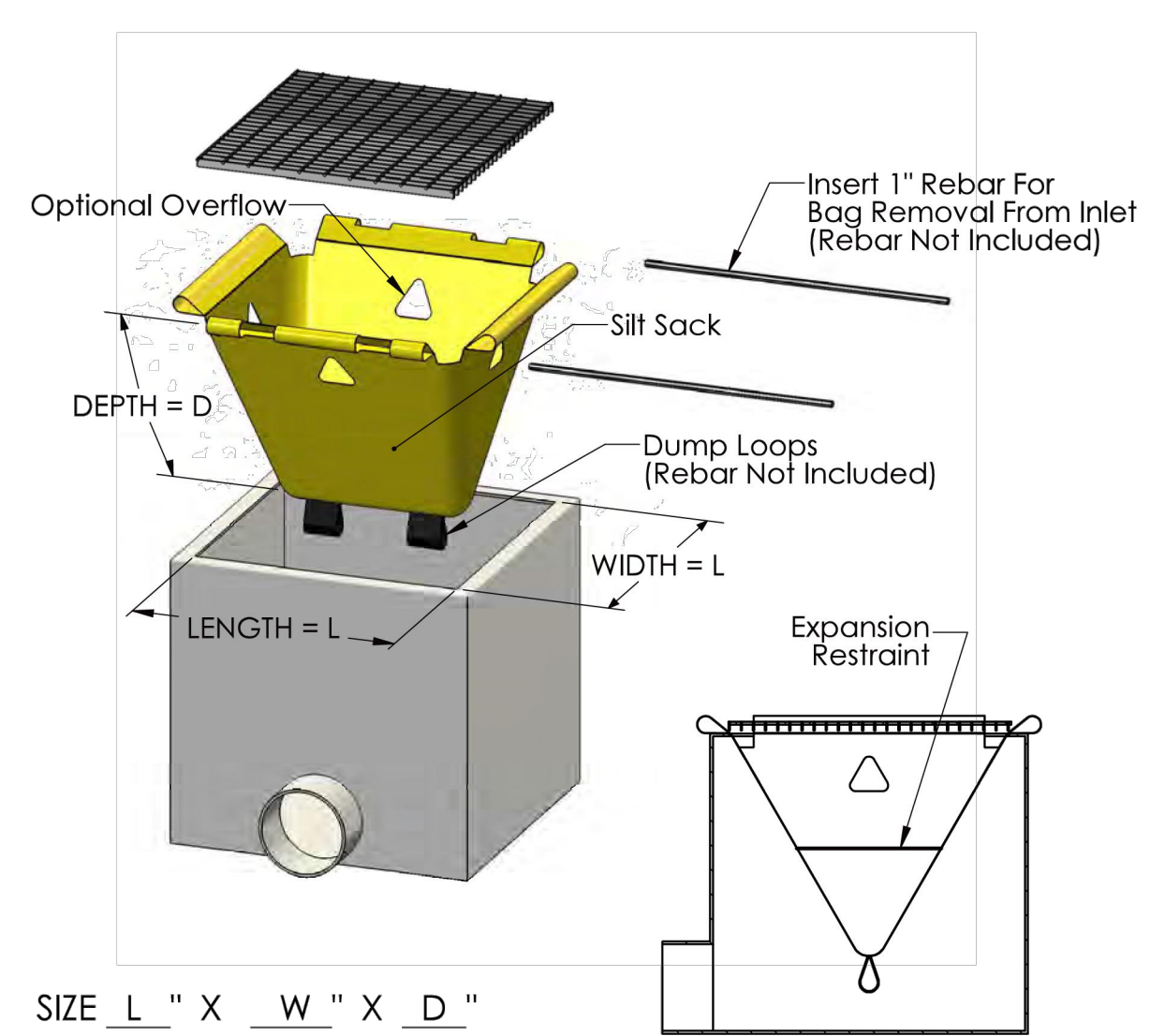
Make:
Filtrex

Design Narrative:

- Use as silt fence replacement, site perimeters, on slopes with erosion risks, along toe of slopes, around drains or inlets.
- Mesh to be biodegradable. Photodegradable shall only be considered when the filter sock is removed immediately after project completion.
- Use in concert with typical erosion control fencing

COMPOST FILTER SOCK
NOT TO SCALE

Erosion Control Silt Sack (URI2017-49)



District:
Campus-wide

Color:
N/A

Make:
ACF Environmental or approved equal

Design Narrative:

- Silt sacks are to be used as part of a multi-step approach for reducing sediments into the drainage system

INLET SEDIMENT CONTROL DEVICE
NOT TO SCALE

Gutter Buddy/EconoCurb Curb Inlet Filters (URI2017-50)



District:
Campus-wide

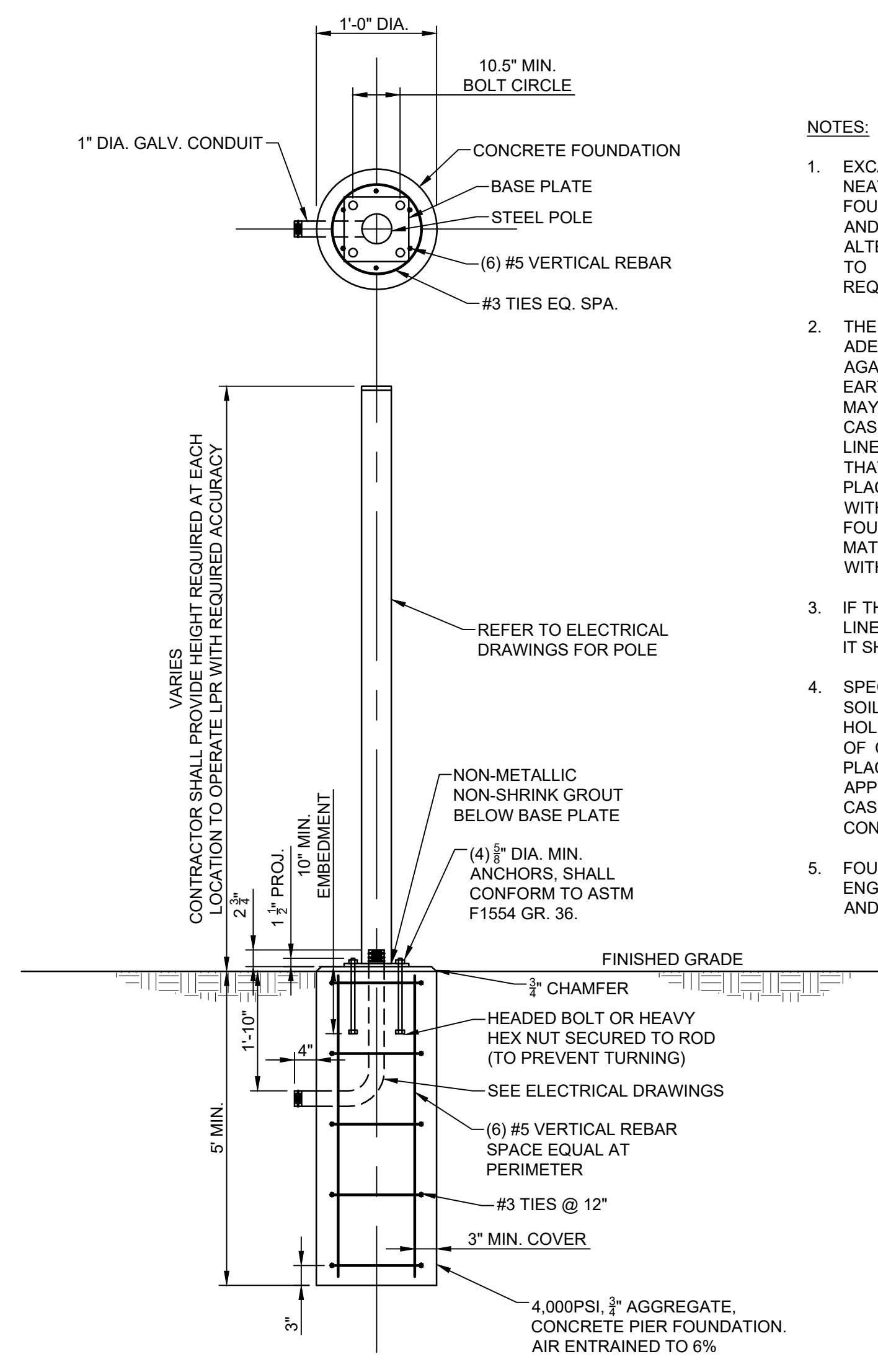
Color:
N/A

Make:
GutterBuddy or approved equal

Design Narrative:

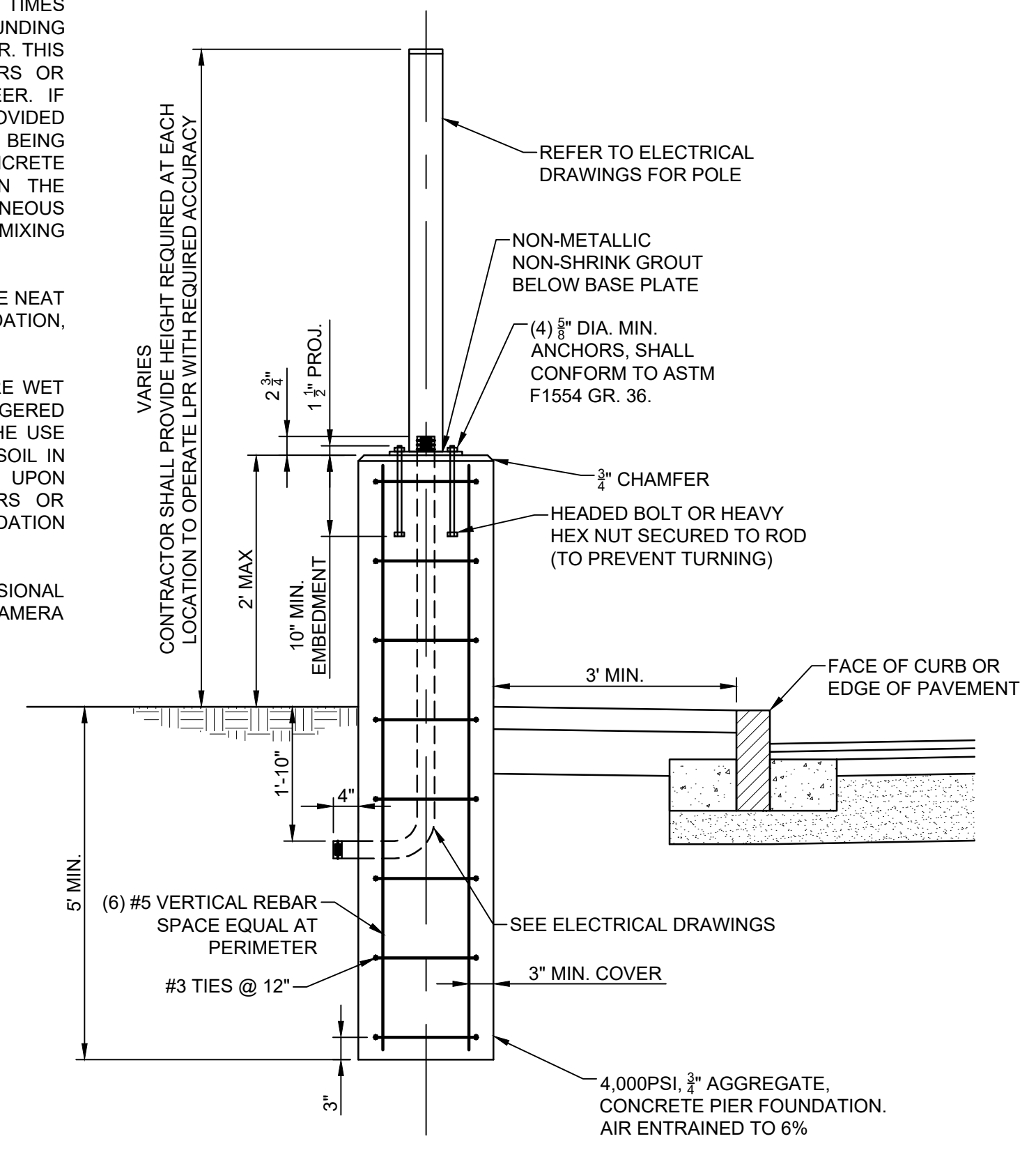
- GutterBuddies and EconoCurb are to be used as a multi-step approach for reducing sediments into the drainage system during construction

CURB INLET FEATURE
NOT TO SCALE

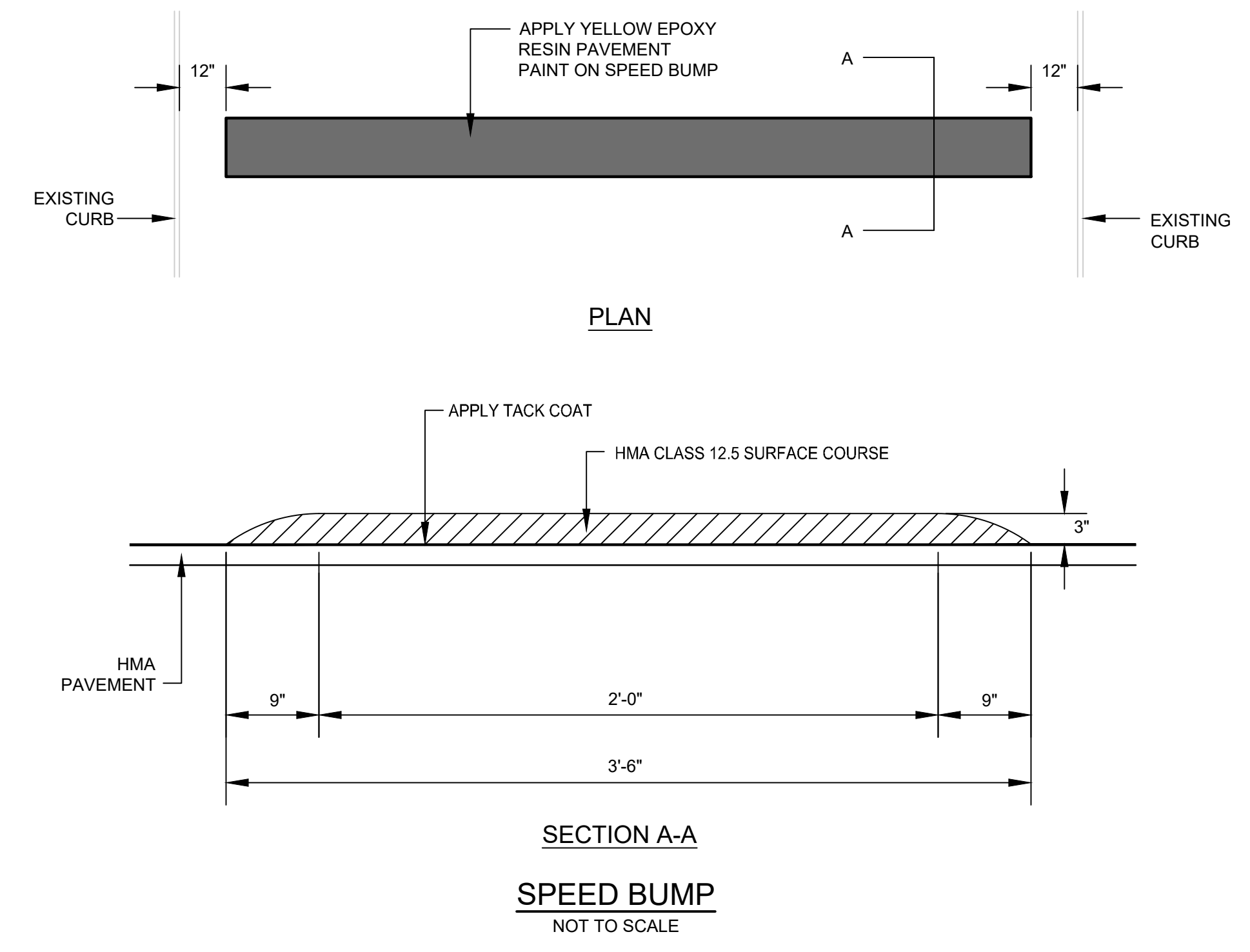


LPR POLE DETAIL
NOT TO SCALE

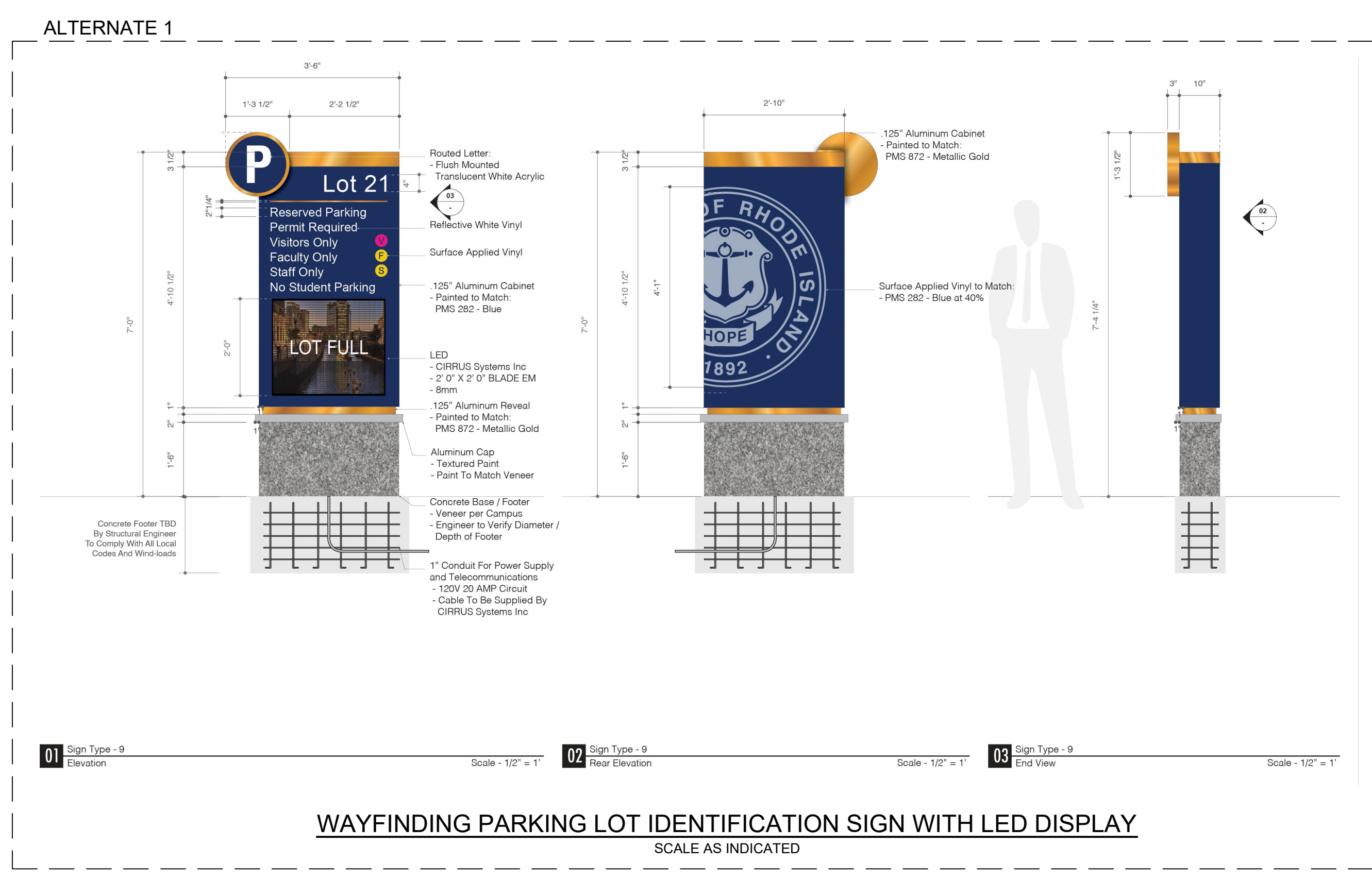
- NOTES:**
- EXCAVATION SHALL BE BY THE AUGER METHOD TO THE NEAT LINES OF THE OUTSIDE DIMENSION OF THE FOUNDATIONS WITHOUT DISTURBING THE SOIL AROUND AND BELOW THE PROPOSED FOUNDATION BOTTOM. ALTERNATE METHODS OF EXCAVATION MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL IF THEY MEET THE REQUIREMENTS LISTED IN NOTES 2, 3, AND 4.
 - THE EARTH WALLS OF THE FOUNDATION SHALL BE ADEQUATELY AND SECURELY PROTECTED AT ALL TIMES AGAINST CAVE-INS. DISPLACEMENT OF THE SURROUNDING EARTH AND FOR THE EXCLUSION OF GROUND WATER. THIS MAY BE DONE BY THE USE OF CYLINDER LINERS OR CASINGS THAT ARE APPROVED BY THE ENGINEER. IF LINERS ARE USED THEY MAY BE RECLAIMED PROVIDED THAT THEY ARE WITHDRAWN AS THE CONCRETE IS BEING PLACED, MAINTAINING A SUFFICIENT HEAD OF CONCRETE WITHIN THE LINER TO PREVENT REDUCTION IN THE FOUNDATION DIAMETER AND TO PREVENT EXTRANEOUS MATERIAL FROM FALLING IN FROM THE SIDES AND MIXING WITH THE CONCRETE.
 - IF THE SOIL IS DISTURBED OR REMOVED BEYOND THE NEAT LINES OF THE OUTSIDE DIMENSIONS OF THE FOUNDATION, IT SHALL BE REPLACE WITH THE CONCRETE.
 - SPECIAL CARE SHOULD BE GIVEN TO AREAS WHERE WET SOIL IS ENCOUNTERED. TO ENSURE THAT PRAUGERED HOLE DOES NOT COLLAPSE. THIS MAY REQUIRE THE USE OF CYLINDER LINERS OR CASINGS TO HOLD THE SOIL IN PLACE UNTIL READY FOR CONCRETE PLACEMENT. UPON APPROVAL FROM THE ENGINEER, THE CYLINDERS OR CASINGS SHALL BE WITHDRAWN AS THE FOUNDATION CONCRETE IS PLACED.
 - FOUNDATIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER FOR A 14' POLE WITH A 5.0 SF MAX EPA CAMERA AND MOUNT ATTACHED TO TOP.



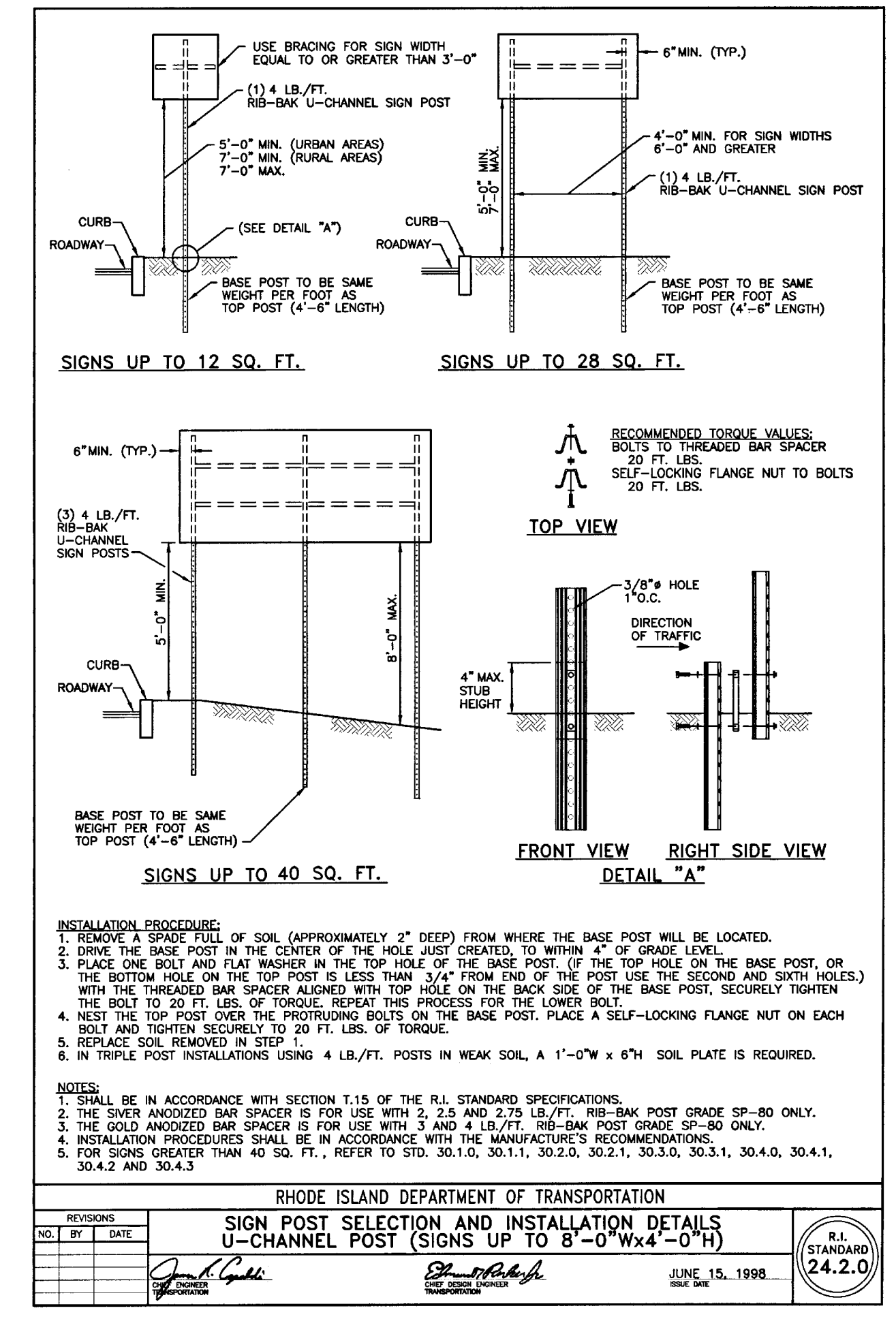
LPR POLE DETAIL WITH EXTENDED FOOTING
NOT TO SCALE



SECTION A-A
SPEED BUMP
NOT TO SCALE



WAYFINDING PARKING LOT IDENTIFICATION SIGN WITH LED DISPLAY
SCALE AS INDICATED



LEGEND	DESIGNATION	SIZE
	R1-1	(30' x 30')
	R5-1	(30' x 30')

- NOTE:**
- SIGNS SHALL BE CONSTRUCTED OF TYPE III REFLECTORIZED SHEETING AND IN ACCORDANCE WITH MUTCD REQUIREMENTS, LATEST REVISION.
 - THE CONTRACTOR SHALL SUBMIT SAMPLE SIGNS TO THE OWNER FOR APPROVAL PRIOR TO FURNISHING.
 - LETTERS, COLOR, AND FONT FOR NON-STANDARD SIGNS SHALL BE SELECTED BY THE OWNER.
 - ALL SIGN MOUNTING SHALL CONFORM TO R.I. STD. DETAIL 24.2.0 EXCEPT R7-8 AND R7-8P. R7-8 AND R7-8P SHALL CONFORM TO ACCESSIBLE SIGN MOUNTING DETAIL.

SIGN SCHEDULE

REVISIONS:

NO.	BY	DATE	DESCRIPTION
0		11-06-2024	ISSUED FOR BID

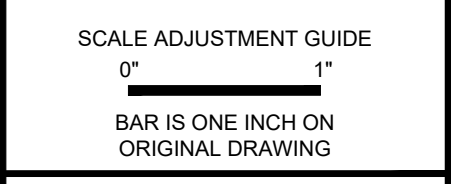
PROJECT NO.: 20002.00
DATE: NOVEMBER 6, 2024
SCALE: AS NOTED
DESIGNED BY: KJM
CHECKED BY: MBA
DRAWN BY: AKL
APPROVED BY: DLP
DRAWING TITLE:

DETAILS 3

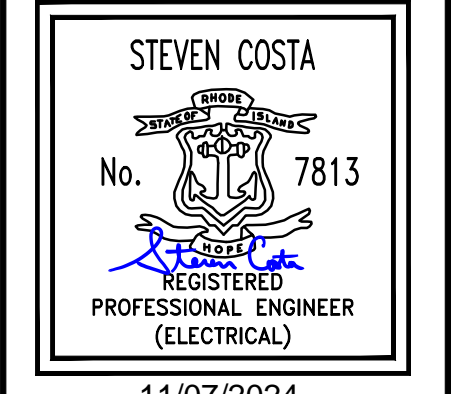
DRAWING NO.: C3.3
SHEET NO.: 8 OF 11



OWNER / APPLICANT:
University of Rhode Island
Office of Capital Projects
60 Tootell Road
Kingstown, RI 02881
(401) 874-2725



Parking Technology Improvements
University of Rhode Island
Kingston, RI



11/07/2024

REVISIONS:

0	11-6-2024	ISSUED FOR BID

PROJECT NO.: 20002.00
DATE: NOVEMBER 6, 2024
SCALE: AS NOTED
DESIGNED BY: GD
CHECKED BY: SC
DRAWN BY: DD
APPROVED BY: SC

DRAWING TITLE:
ALUMNI CENTER LOT

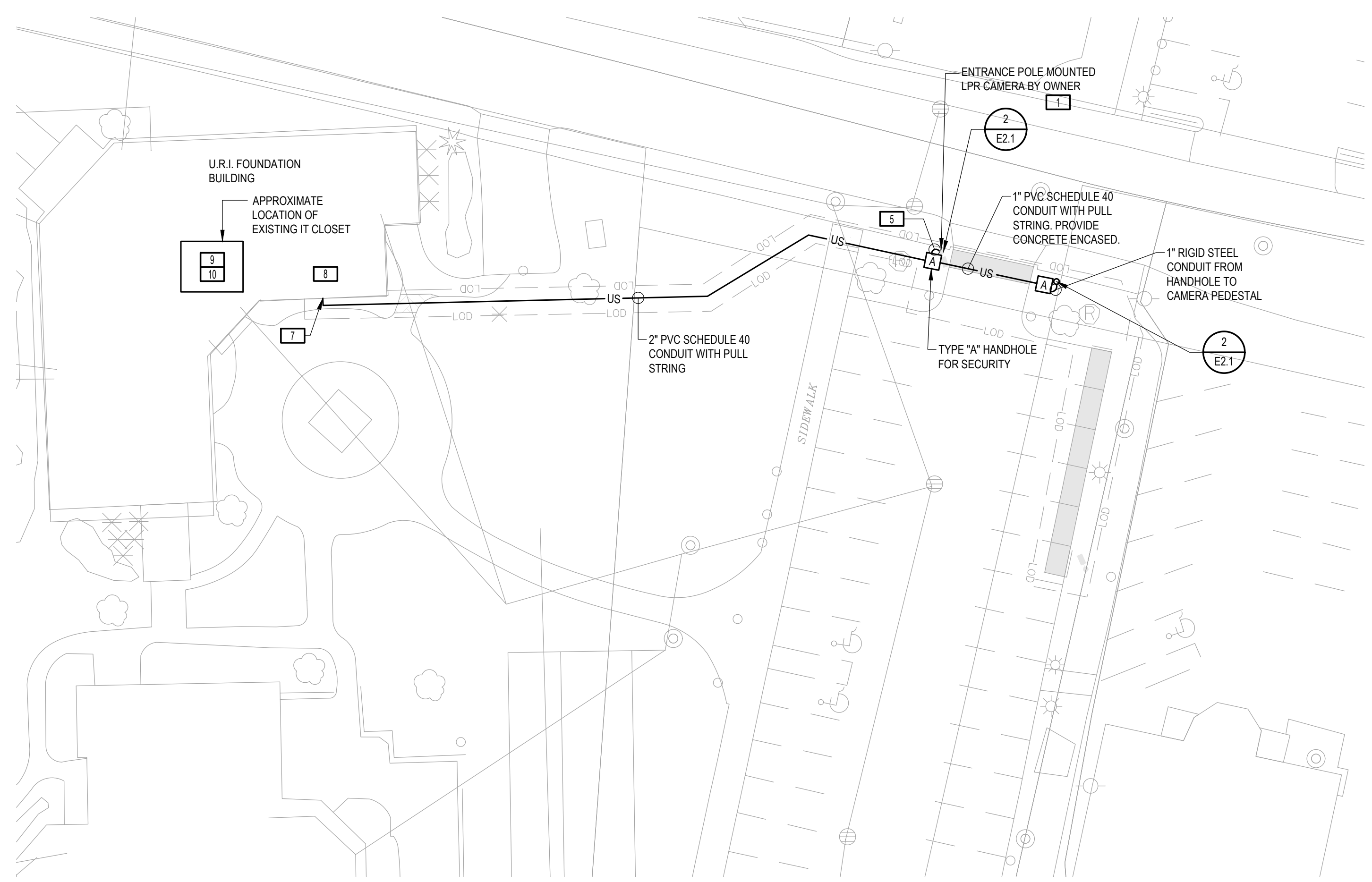
DRAWING NO.:
ES1.1
SHEET NO. OF 11

KEYED SHEET NOTES

- 1 CONTRACTOR SHALL PROVIDE CAMERA POLE. REFER TO LPR POLE DETAILS ON E2.1 FOR ADDITIONAL INFORMATION.
- 2 NOT USED.
- 3 TWO TYPE "A" HANDHOLES. ONE FOR ELECTRIC, ONE FOR SECURITY. PROVIDE LABELING ON COVERS.
- 4 NOT USED.
- 5 1" RIGID STEEL CONDUIT FROM HANDHOLE TO CAMERA POLE.
- 6 NOT USED.
- 7 CONTRACTOR SHALL SWEEP-UP WITH RIGID STEEL CONDUIT TO NEW NEMA-3R 12"X12"X6"DP GALVANIZED GASKETED PULL BOX.
- 8 PROVIDE ADDITIONAL CONDUITS AND 120V POWER WIRING WITHIN BUILDING AS REQUIRED.
- 9 ELECTRICAL CONTRACTOR SHALL INTERCEPT EXISTING CONTROL BOX POWER AND EXTEND TO NEW LPR CONTROLLER.
- 10 PROVIDE 2" CONDUIT TO EXISTING IT CLOSET.



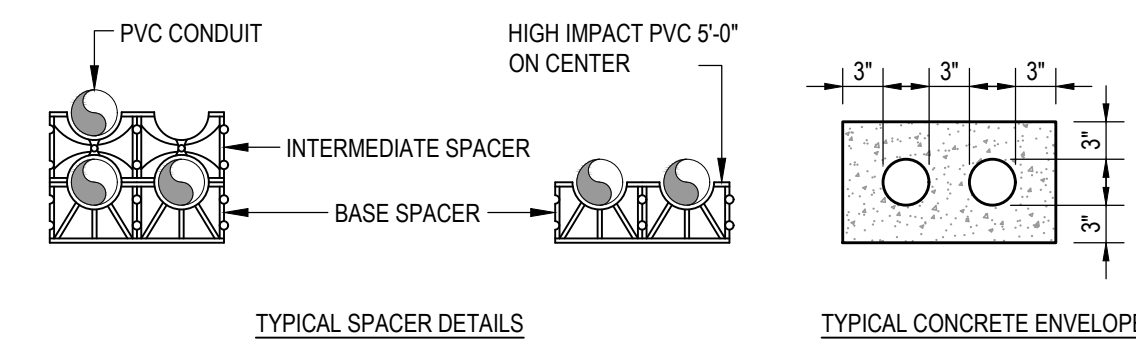
1 WELCOME CENTER AND ALUMNI CENTER LOTS
SCALE: 1" = 150'-0"



2 NORTH ENTRANCE
SCALE: 1" = 20'-0"



CECP0220012



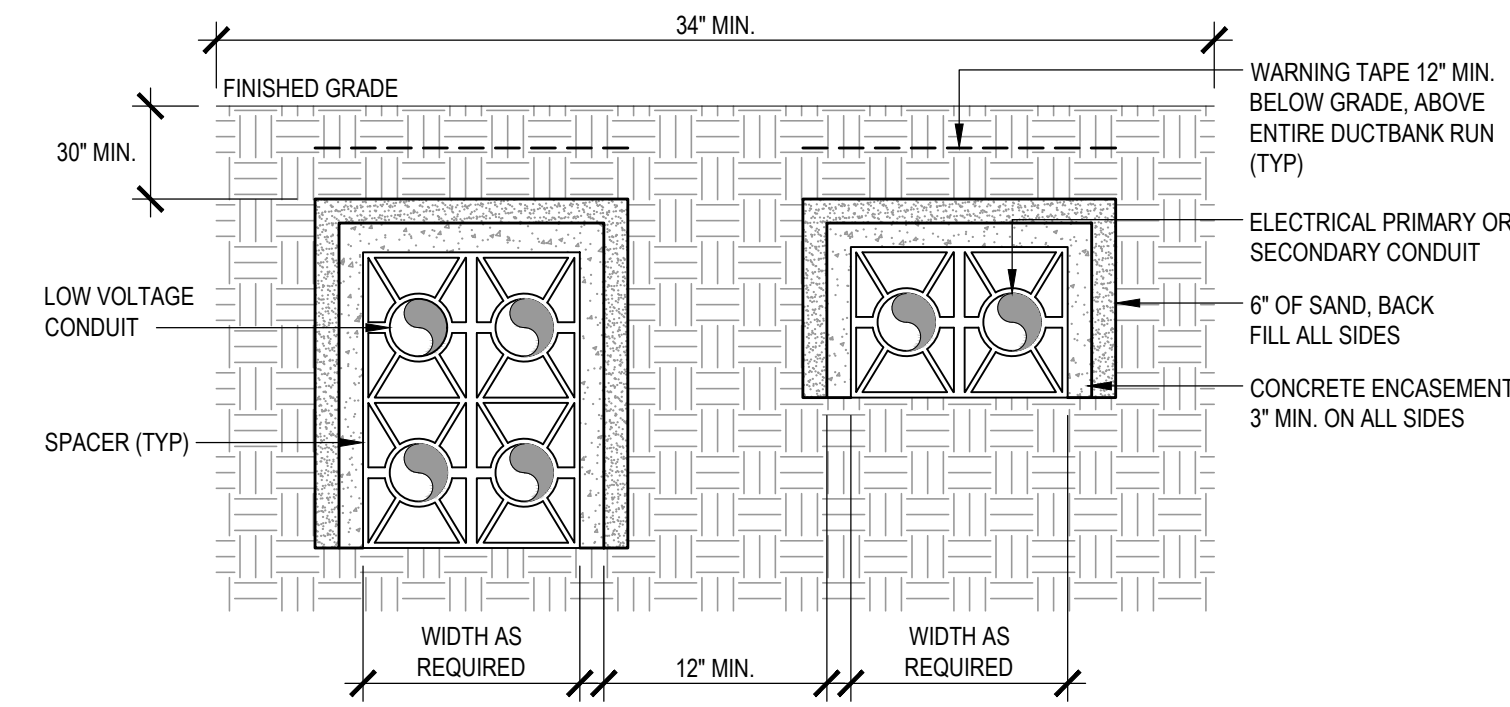
SPACER NOTES:

1. ALL BASE AND INTERMEDIATE SPACERS TO BE INTERLOCKING TYPE.
2. ALL SPACERS TO MAINTAIN 3" SPACE WITH 4" DUCTS.
3. ALL SPACERS TO BE CONSTRUCTED OF HIGH IMPACT PVC.
4. ALL SPACERS TO BE INSTALLED AT 5'-0" ON CENTERS ALONG ENTIRE RUN.

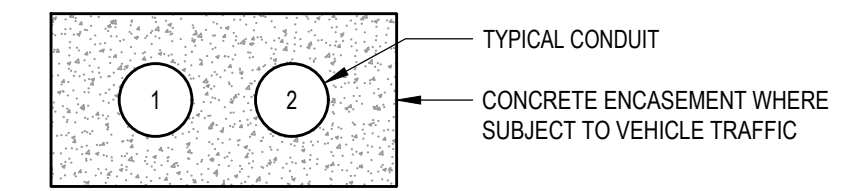
GENERAL NOTES:

1. ALL CONDUITS ARE PVC. SIZE PER THIS DETAIL AND "DUCT SCHEDULE".
2. ALL DIMENSIONS ARE MINIMUM.
3. ALL DESCRIPTIONS ARE TYPICAL FOR THIS DIAGRAM.
4. CONDUIT DUCTBANK CROSS SECTION IS SUBJECT TO APPROVAL BY UTILITIES COMPANY, PRIOR TO CONSTRUCTION.
5. DUCTBANK TRENCH MUST BE COORDINATED, INSPECTED, AND APPROVED WITH THE UTILITIES COMPANIES REQUIREMENTS, PRIOR TO INSTALLATION AND PRIOR TO BACKFILL.
6. ALL TRENCHING, CONCRETE WORK, BACKFILLING, GRADING, AND RESURFACING SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. THE MINIMUM SIZE CONDUIT SHALL BE 2" SCHEDULE 40 PVC. ALL SWEEPS AT FOUNDATIONS AND RISERS SHALL HAVE A MINIMUM RADIUS OF THIRTY-SIX INCHES. THE RISER SWEEP SHALL BE GALVANIZED STEEL. THE ELECTRICAL CONTRACTOR SHALL INSTALL BELL ENDS ON THE CONDUITS. THE ELECTRICAL CONTRACTOR SHALL INSTALL CONDUIT PLUGS AND NYLON PULL LINES IN ALL UNUSED CONDUITS. AT THE RISE POLE, THE GALVANIZED RIGID STEEL SWEEPS AND RIGID ADAPTORS SHALL NOT BE ENCASED IN CONCRETE. THE ELECTRICAL CONTRACTOR SHALL INSTALL GALVANIZED STEEL CONDUIT UP THE POLE PER UTILITIES COMPANIES REQUIREMENTS, INCLUDING CONDUIT GROUND STRAPS, (UNLESS OTHERWISE DIRECTED BY UTILITIES COMPANIES REPRESENTATIVE). UTILITIES COMPANIES WILL SPECIFY ON WHICH QUARTER OF THE POLE THE RISER SHALL BE INSTALLED, USUALLY AWAY FROM ONCOMING TRAFFIC.
8. EXCEPT AS NOTED ON CONSTRUCTION DOCUMENTS, CURVES AND BENDS IN CONDUIT SHALL BE GRADUAL, AND THE RADIUS OF CURVATURE SHALL NOT BE LESS THAN FORTY FEET. ALL CURVES SHALL BE FORMED WITH 5-DEGREE COUPLINGS. THE MINIMUM LENGTH BETWEEN SINGLE, 5-DEGREE COUPLINGS IS 42'. HEAT BENDING IS NOT ALLOWED.
9. PITCH OF DUCTS SHALL BE SUCH AS TO CAUSE ALL DUCTS TO DRAIN TOWARD ONE OR BOTH EQUIPMENT FOUNDATIONS OR PULLBOXES. MINIMUM PITCH SHALL BE THREE INCHES PER ONE HUNDRED FEET.
10. THE ELECTRICAL CONTRACTOR SHALL INSURE THAT CLEARANCES ARE MET AND MAINTAINED, AND THAT THEY ARE INSPECTED BY THE UTILITY COMPANY, UNLESS LOCAL JURISDICTIONS REQUIRE GREATER CLEARANCES. THE MINIMUM CLEARANCES SHALL BE AS FOLLOWS:
 - A. TELECOMMUNICATION SYSTEMS - ELECTRIC UTILITY CONDUIT SHALL NOT BE DIRECTLY ABOVE OR BELOW TELECOMMUNICATION CONDUIT, EXCEPT WHEN CROSSING BELOW COMMUNICATION CONDUIT AT APPROXIMATELY RIGHT ANGLES. THE ELECTRIC UTILITY CONDUIT AND TELECOMMUNICATION CONDUIT SHALL BE SEPARATED BY A MINIMUM OF 3" OF CONCRETE ENCASEMENT.
 - B. WATER, GAS, SEWER - ELECTRIC UTILITY CONDUIT SHALL NOT BE DIRECTLY ABOVE OR BELOW THESE UTILITIES EXCEPT WHEN CROSSING ABOVE THESE UTILITIES AT APPROXIMATELY RIGHT ANGLES. WHERE THE PATHS OF THESE UTILITIES CROSS UNDER ELECTRIC UTILITY CONDUITS AT RIGHT ANGLES, THE MINIMUM SEPARATION IS 12". A MINIMUM SEPARATION OF 24" SHALL BE MAINTAINED BETWEEN PARALLEL PLACEMENT OF ANY OF THESE UTILITIES AND ELECTRICAL CONDUIT.
11. A 6-INCH CLEARANCE SHALL BE BETWEEN CONDUIT ENVELOPES AND MAJOR SUBSURFACE PIPES.
12. THE UTILITIES COMPANIES ATTEMPT TO PULL CABLES, THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL AN APPROVED BEFORE THE ELECTRICAL CONTRACTOR SHALL MANDREL ALL PRIMARY CONDUITS TO INSURE THEIR INTEGRITY 2,500 POUND TEST NYLON PULL LINE IN EACH CONDUIT RUN INCLUDING RISERS AND SPARES. PULL LINE INSTALLATION AND MANDRELLING OF THE DUCTS SHALL BE WITNESSED BY A UTILITY REPRESENTATIVE.
13. ELECTRIC UTILITY DUCT BANK SHALL NOT SHARE A CONCRETE ENCASEMENT WITH FOREIGN UTILITIES.
14. DETAIL IS SHOWN FOR BIDDING AND COORDINATION PURPOSES. CONFORM TO UTILITY COMPANY DETAILS.
15. ALL TRENCHING, REINFORCING, CONCRETE WORK, BACKFILLING, GRADING, AND SURFACING SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

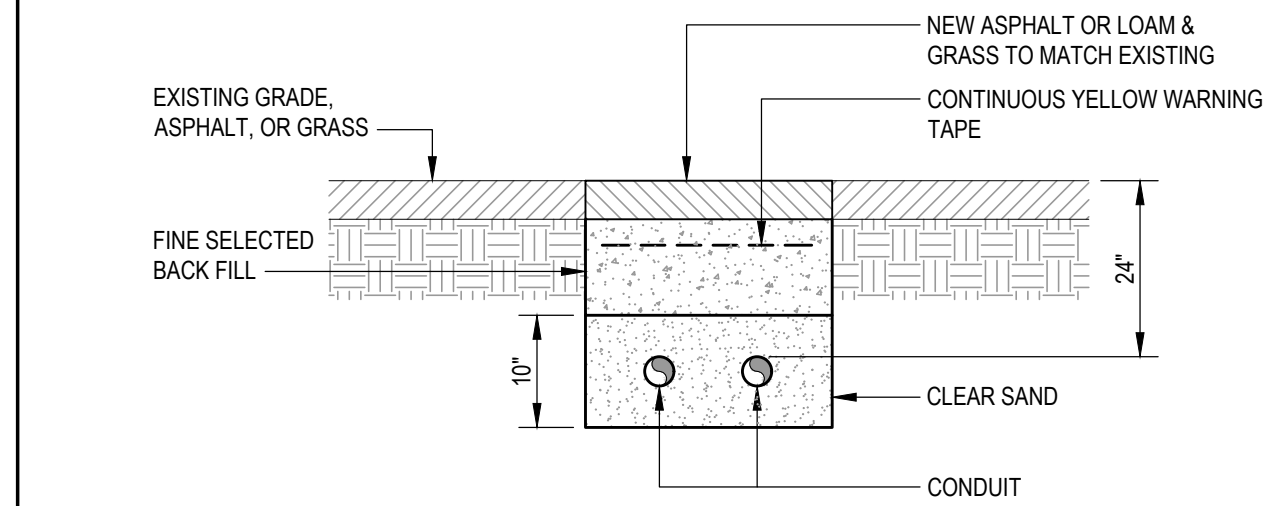
1 TYPICAL DUCTBANK CONSTRUCTION DETAIL
NOT TO SCALE



2 TYPICAL DUCT SECTION
NOT TO SCALE



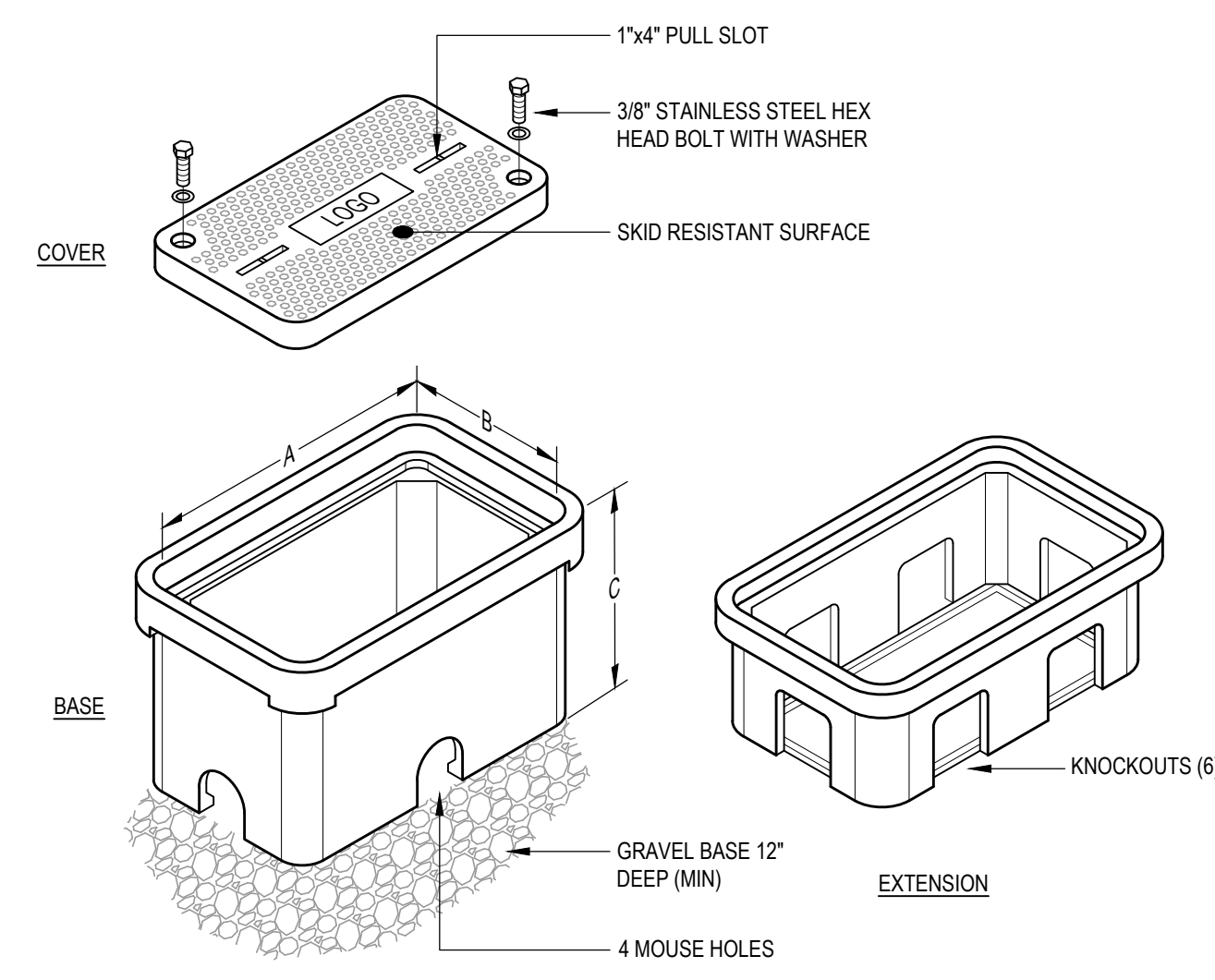
NOTES:
1. REFER TO "TYPICAL DUCTBANK CONSTRUCTION DETAIL".



3 BURIED CONDUIT DETAIL
NOT TO SCALE

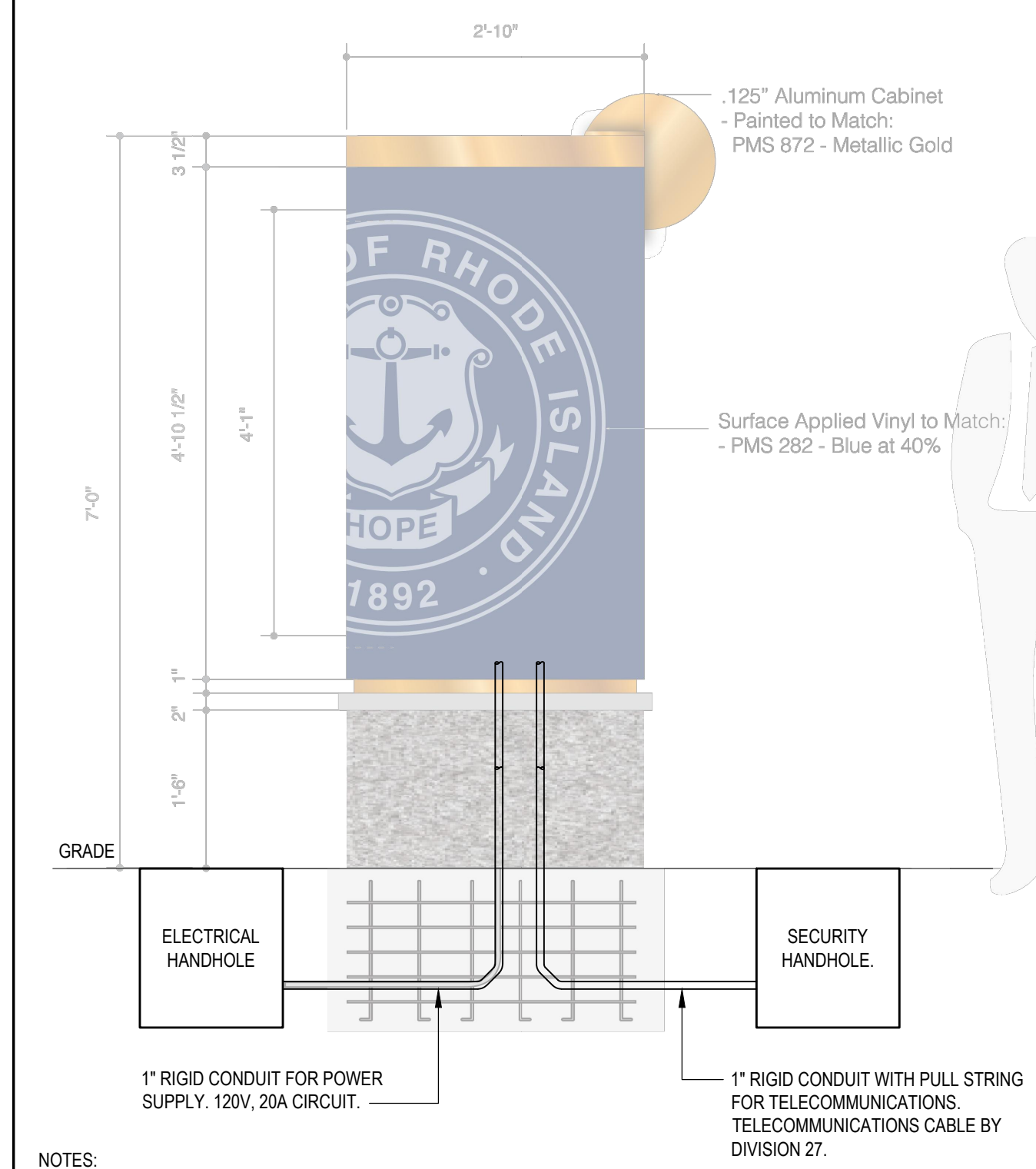
NOTE: PROVIDE QUAZITE TYPE PG SERIES POLYMER CONCRETE HANDHOLE AND LID RATED FOR ANSI TIER 22, WITH A DESIGN TEST LOAD OF 22,500/33,750 LBS.

TYPE	DESCRIPTION	DIMENSIONS		
		A	B	C
EH	ELECTRICAL HANDHOLE	30"	17"	24"
LH	LOW VOLTAGE HANDHOLE	30"	17"	24"



- NOTES:**
1. STANDARD HANDHOLE AND COVER COLOR SHALL BE AS SPECIFIED BY THE ARCHITECT.
 2. PROVIDE 1" X 4" BELL PULL SLOT FOR EACH HANDHOLE.
 3. PROVIDE HANDHOLES BY QUAZITE OR APPROVED EQUAL.
 4. COVER, RING AND BOX SHALL BE MADE OF THE SAME MATERIAL.
 5. PROVIDE IMPRINTED LOGO TO MATCH.

4 HANDHOLE TYPE "A" DETAIL
NOT TO SCALE



- NOTES:**
1. POWER CONDUCTORS AND TELECOMMUNICATIONS SHALL BE KEPT SEPARATE IN ACCORDANCE WITH THE NEC. COORDINATE WITH MANUFACTURER'S SUBMITTAL DETAILS. PROVIDE INSULATED BUSHINGS, FITTINGS AND LIQUIDTIGHT CONDUIT AS REQUIRED.
 2. PROVIDE 120V, 20A WEATHERPROOF LOCKABLE DISCONNECT TOGGLE SWITCH. COORDINATE LOCATION WITH MANUFACTURER'S SUBMITTAL DETAILS.
 3. SEE SITE/CIVIL DRAWINGS FOR EXACT SIGN AND CONCRETE BASE REQUIREMENTS.

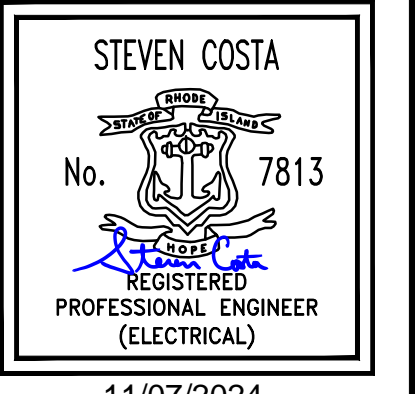
5 WAYFINDING SIGN FOUNDATION DETAIL - ALTERNATE 1
NOT TO SCALE



OWNER / APPLICANT:
University of Rhode Island
Office of Capital Projects
60 Tootell Road
Kingstown, RI 02881
(401) 874-2725

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

Parking Technology Improvements
University of Rhode Island
Kingston, RI



11/07/2024

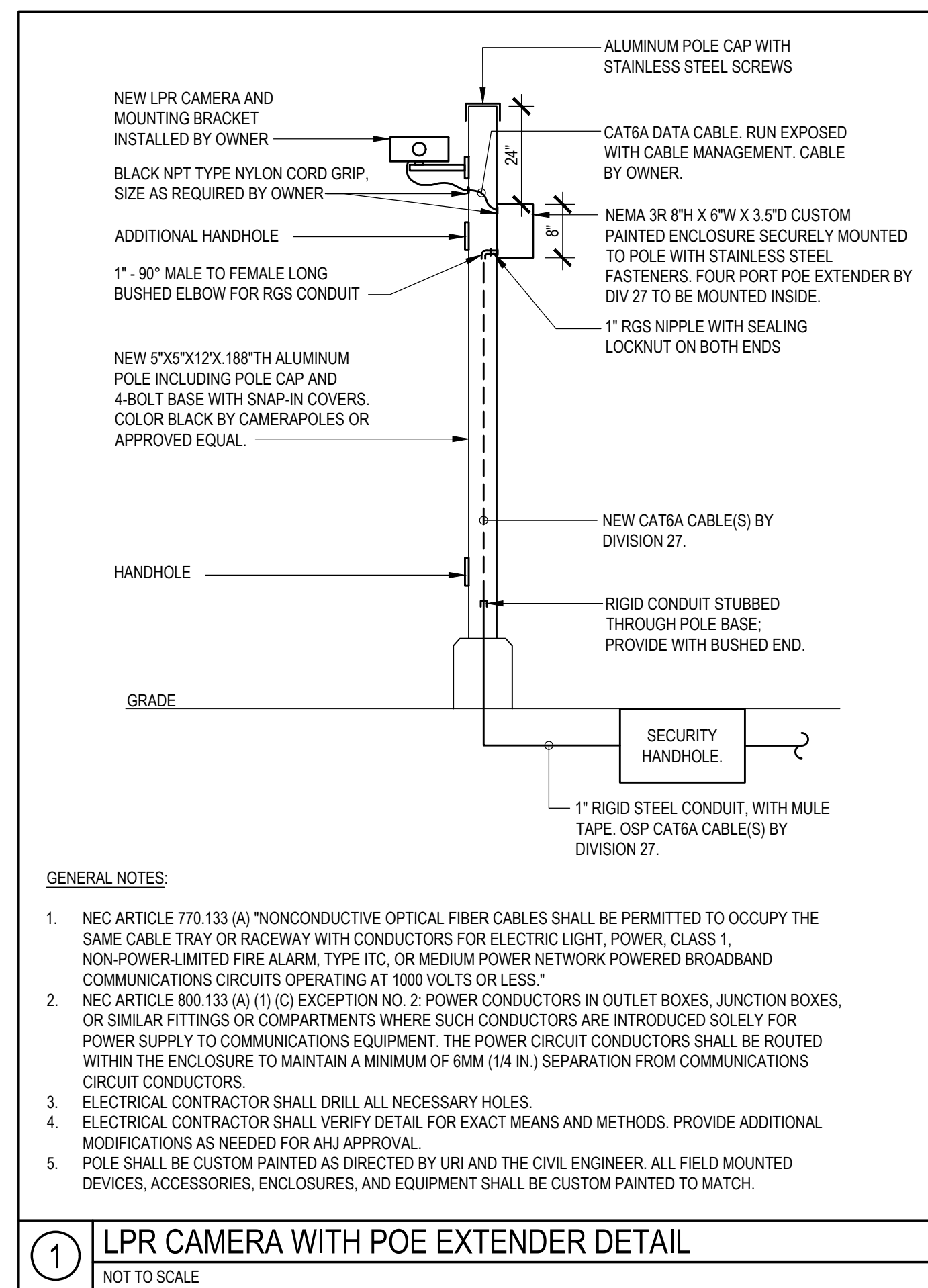
REVISIONS:

NO.	DATE	DESCRIPTION
0	11-6-2024	ISSUED FOR BID

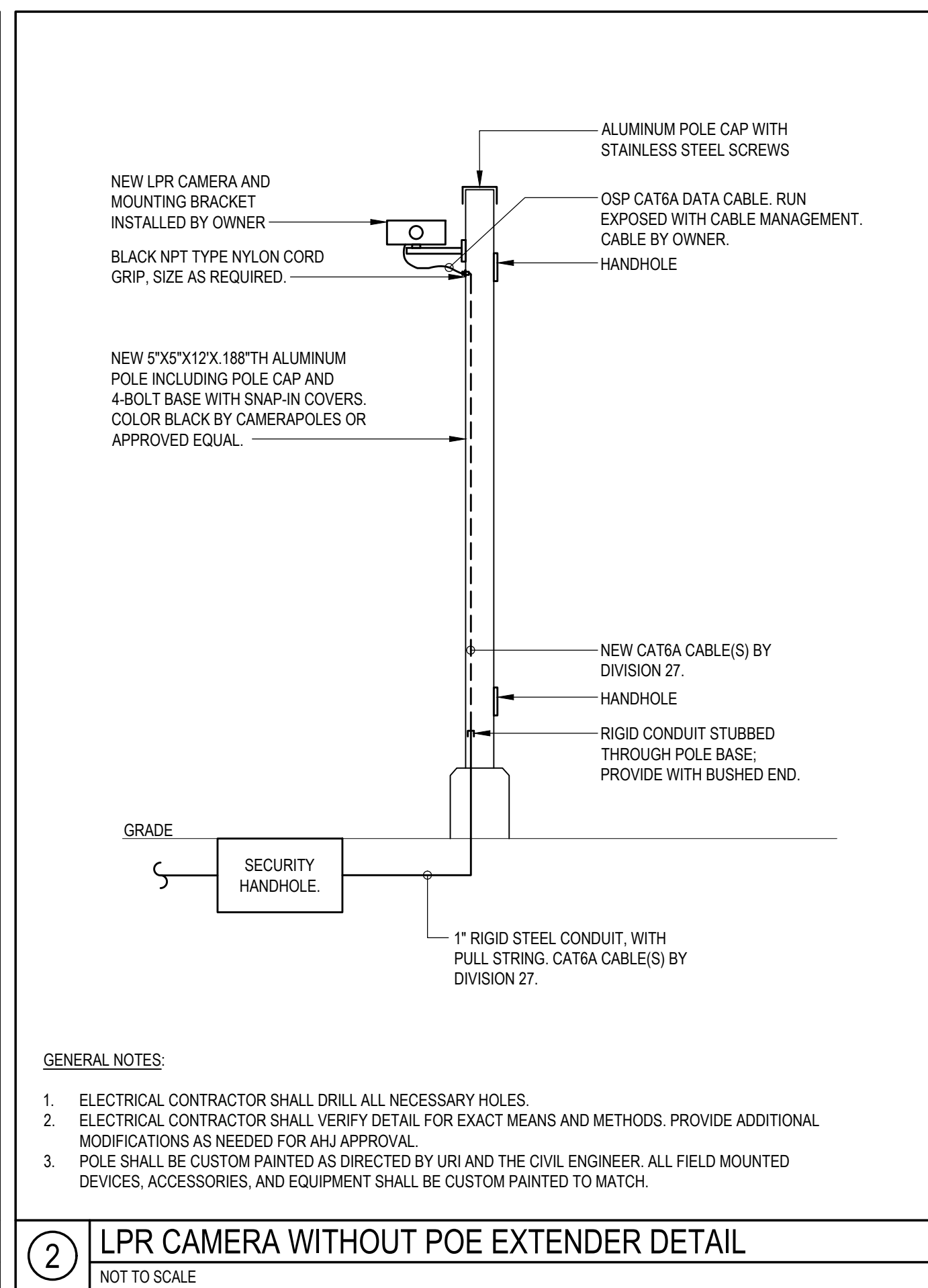
PROJECT NO.: 20002.00
DATE: NOVEMBER 6, 2024
SCALE: NONE
DESIGNED BY: GD
CHECKED BY: SC
DRAWN BY: DD
APPROVED BY: SC
DRAWING TITLE: DETAILS

DRAWING NO.: E2.0
SHEET NO. OF 11

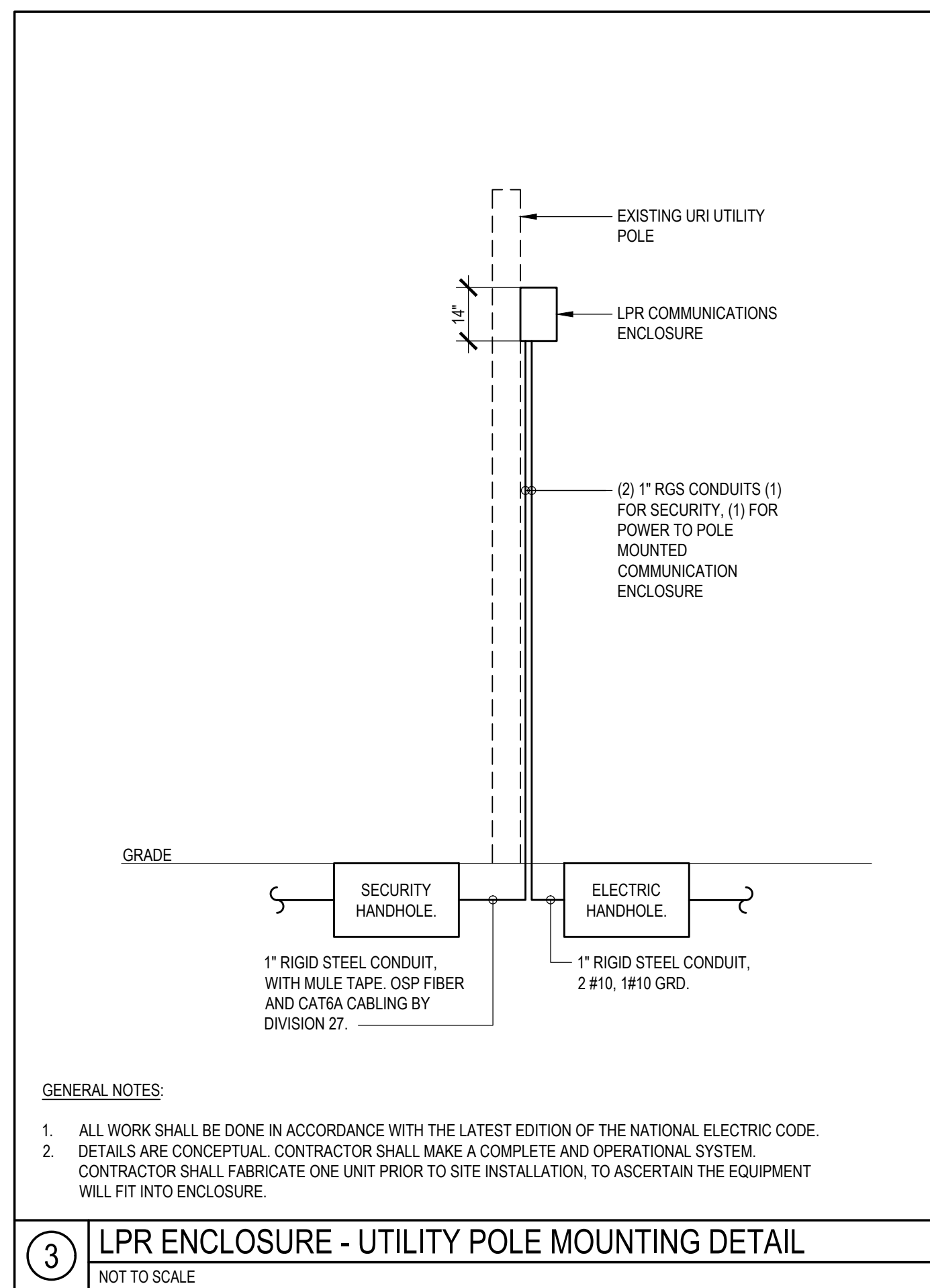




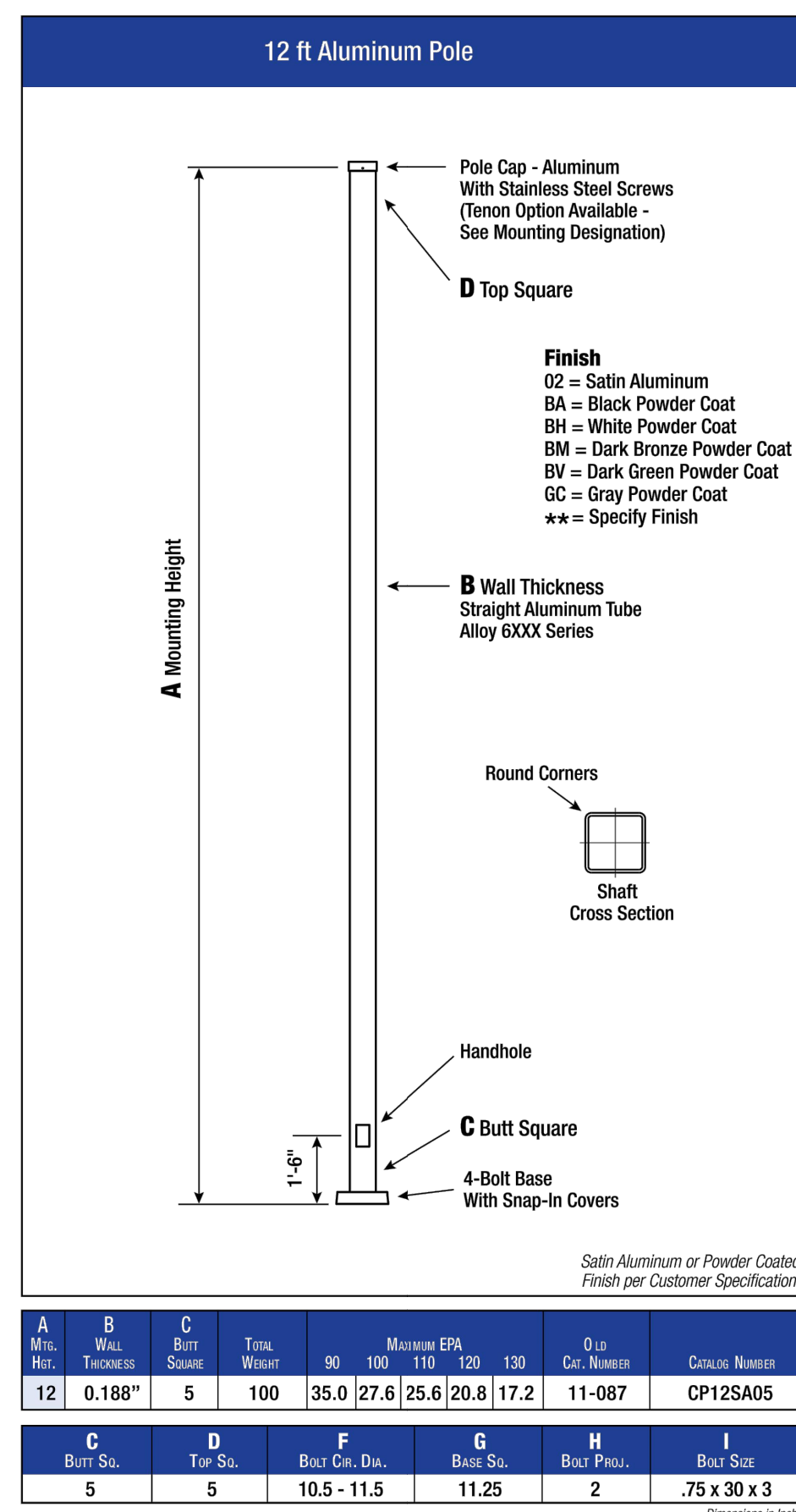
1 LPR CAMERA WITH POE EXTENDER DETAIL
NOT TO SCALE



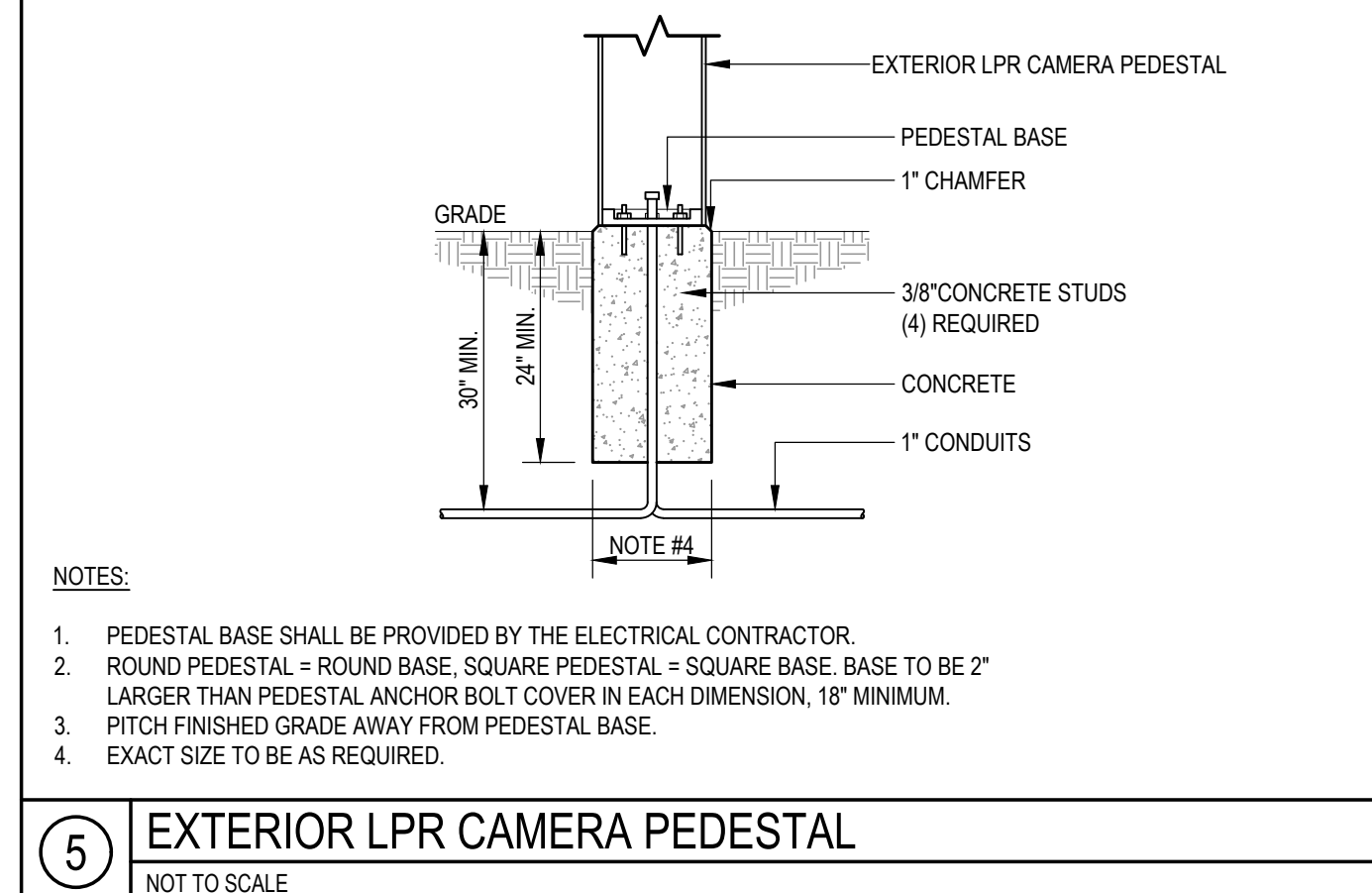
2 LPR CAMERA WITHOUT POE EXTENDER DETAIL
NOT TO SCALE



3 LPR ENCLOSURE - UTILITY POLE MOUNTING DETAIL
NOT TO SCALE



4 POLE BASE WITH JUNCTION BOX DETAIL
NOT TO SCALE



5 EXTERIOR LPR CAMERA PEDESTAL
NOT TO SCALE

CP12SA05 -BA

Pole
The pole shall be constructed of seamless extruded tube of 6061 Series Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated after base weld.

Base Style
4-Bolt Cast Aluminum Base Flange of Alloy 356-T6 with Aluminum Snap-In Bolt Covers.

Handhole
2" x 4" Handhole with curved Lap Style Aluminum Door and two (2) Stainless Steel Self-Tapping Attaching Screws. A Grounding Provision incorporating a tapped 1/4" -20NC hole is provided opposite the Handhole.

Anchorage
Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain four (4) Hex Nuts, four (4) Lock Washers, and four (4) Flat Washers (all components Galvanized Steel). A bolt circle template will be provided.

Vibration Damper
When determined necessary by Camera Poles, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.

EPA Notes
Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the total weight shown. Increased total weight may reduce the maximum EPA. If weight is exceeded, or if other design file or code is required, please consult us.

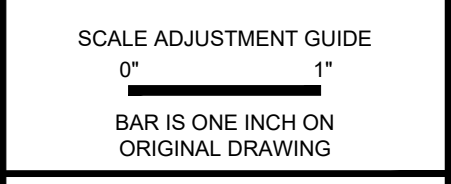
CAMERAPOLES
800 E. Northwest Highway
Suite 700
Palatine, IL 60074
(888) 364-8802
www.camerapoles.org

A	B	C	D	E	F	G	H	I	
Min. Wall Thickness	Min. Wall Thickness	Min. Wall Thickness	Min. Wall Thickness	Min. Wall Thickness	Min. Wall Thickness	Min. Wall Thickness	Min. Wall Thickness	Min. Wall Thickness	
12	0.188"	5	100	35.0	27.6	25.6	20.6	17.2	
C	D	F	G	H	I				
Butt. Sp.	Top. Sp.	Box Cap. Dia.	Base Dia.	Box Dia.	Box Sp.				
5	5	10.5 - 11.5	11.25	2	.75 x 30 x 3				

Dimensions in inches



OWNER / APPLICANT:
University of Rhode Island
Office of Capital Projects
60 Tootell Road
Kingstown, RI 02881
(401) 874-2725



Parking Technology Improvements
University of Rhode Island
Kingston, RI



11/07/2024

REVISIONS:

NO.	DATE	DESCRIPTION
0	11-6-2024	ISSUED FOR BID

PROJECT NO.: 20002.00
DATE: NOVEMBER 6, 2024
SCALE: NONE
DESIGNED BY: GD
CHECKED BY: SC
DRAWN BY: DD
APPROVED BY: SC

DRAWING TITLE:
DETAILS

DRAWING NO.:
E2.1

SHEET NO. OF 11

