

NOTES:

- THE ENTIRE STUDY AREA IS LOCATED WITHIN WARD 13, SECTION 3, BLOCK 3542, LOT 6.
- THERE IS 1 SPECIMEN TREE (T13) WITHIN THE STUDY AREA.
- THERE ARE NO FORESTED AREAS WITHIN OR ADJACENT TO THE STUDY AREA.
- THERE ARE STEEP SLOPES WITHIN THE STUDY AREA.
- THE STUDY AREA DOES NOT INTERSECT WITH THE 100-YEAR FLOODPLAIN OF ANY STREAM.
- NO WETLANDS ARE PRESENT ON THE SITE.
- THE STUDY AREA DOES NOT LIE WITHIN THE CHESAPEAKE BAY CRITICAL AREA.
- THE PROPERTY IS ZONED R-7, GENERAL RESIDENTIAL DISTRICT.
- THERE ARE NO KNOWN RECORDS OR READILY OBSERVABLE RARE OR ENDANGERED SPECIES OR CRITICAL HABITATS ON SITE.
- THERE ARE NO KNOWN HISTORIC EASEMENTS, FEDERAL ARCHEOLOGICAL FEATURES OR SIGNIFICANT MONUMENTS ON SITE.
- THE SITE IS NOT LOCATED WITHIN A SPECIAL PROTECTION AREA.
- THERE ARE NO KNOWN HYDRIC SOILS ON SITE.

NARRATIVE

PROJECT DESCRIPTION

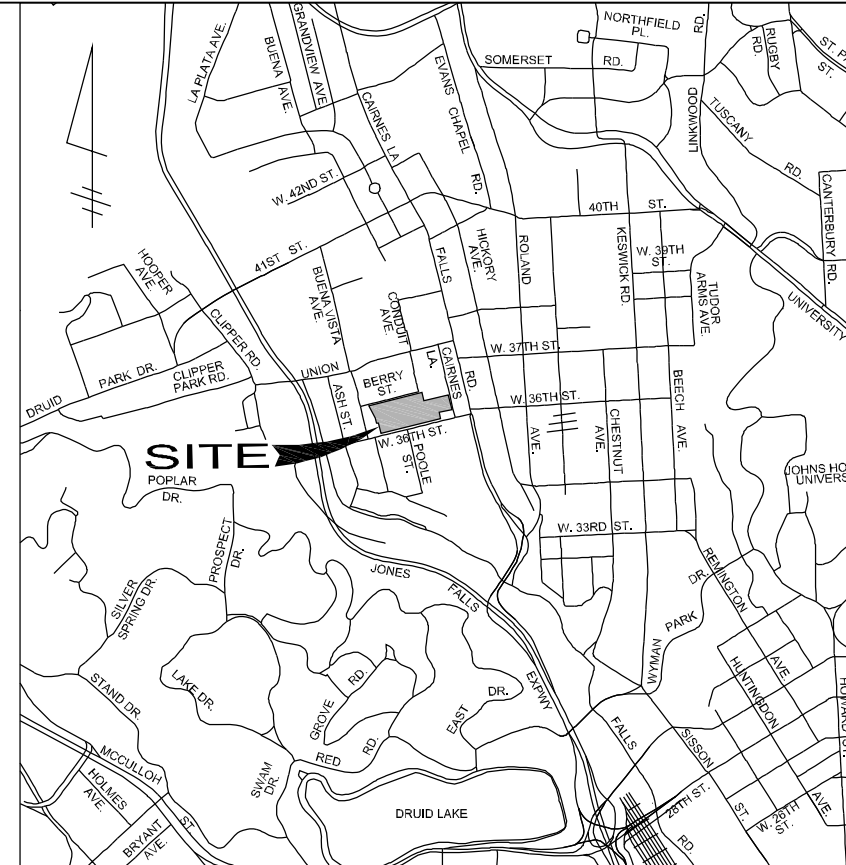
The project proposes additions and renovation to the brick masonry Robert Poole School building, constructed in the mid-1920s, for its continued use as a school. The existing 1920s building had additions built in the 1930s and 1960s. The project proposes demolition of the 1960s addition on the north side. The project would entail a smaller addition to the north side and a larger addition to the east side of the 1920s building. The total project site is 6.11 acres.

SURROUNDING SITE FEATURES

The site is located in the Nationally Registered Historic District of Hampden in Baltimore, MD, while not a designated historic property. The site is bound by 36th Street to the south, Berry Street to the north, Calnes Lane to the east, and homes lining Buena Vista Avenue to the west. The site is surrounded by residential uses to the north, west, and south and commercial to the east. The site currently consists of large expanses of parking, areas of turf, sidewalks, individual trees, and small groupings of low-quality invasive and scrub growth. One specimen White Pine tree is located on the south side of the property near the front entrance to the 1920s building and is to be preserved.

SOIL CHARACTERISTICS AND LIMITATIONS		
MAP UNIT SYMBOL	MAP UNIT NAME	SOIL CHARACTERISTICS
18UB	LEGORE-URBAN LAND COMPLEX, 0-8% SLOPES	ELEVATION: 80-2,000 FT. NATURAL DRAINAGE CLASS.: LEGORE - WELL DRAINED, URBAN LAND - NOT WELL DRAINED HYDROLOGIC SOIL GROUP: LEGORE - B (MODERATE INFILTRATION WHEN THOROUGHLY WET), URBAN LAND - D FREQUENCY OF FLOODING: LEGORE - NONE FREQUENCY OF PONDING: LEGORE - NONE
18UC	LEGORE-URBAN LAND COMPLEX, 8-15% SLOPES	ELEVATION: 80-2,000 FT. NATURAL DRAINAGE CLASS.: LEGORE - WELL DRAINED, URBAN LAND - NOT WELL DRAINED HYDROLOGIC SOIL GROUP: LEGORE - B (MODERATE INFILTRATION WHEN THOROUGHLY WET), URBAN LAND - D FREQUENCY OF FLOODING: LEGORE - NONE FREQUENCY OF PONDING: LEGORE - NONE
42E	UDORTMENTS, SMOOTHED, 0-35% SLOPES	ELEVATION: 10-500 FT. NATURAL DRAINAGE CLASS.: WELL DRAINED HYDROLOGIC SOIL GROUP: C (DRAINED AREAS: SLOW INFILTRATION RATE WHEN THOROUGHLY WET) FREQUENCY OF FLOODING: NONE FREQUENCY OF PONDING: NONE
44UC	URBAN LAND, 0-15% SLOPES	AREAS WHERE MORE THAN 80% OF THE SURFACE IS COVERED BY ASPHALT, CONCRETE, BUILDINGS OR OTHER IMPERVIOUS SURFACES INFILTRATION RATE: VERY SLOW HYDROLOGIC SOIL GROUP: D

Soil Survey Staff, Natural Resources Conservation Service, USDA, Web Soil Survey, Available online at <http://websoilsurvey.nrcs.usda.gov/>. Accessed [05/14/2015].



**JRS ARCHITECTS**  
2010 Clipper Park Rd.  
Suite 101  
Baltimore, MD 21211  
410.235.7256

**ASSOCIATE ARCHITECT**  
SCRAPER GROUP ARCHITECTURE LLC  
161 LEVERINGTON AVE, SUITE 105  
PHILADELPHIA, PA 19127

**LANDSCAPE ARCHITECT**  
MAHAN RYKIEL ASSOCIATES  
800 WYMAN PARK DR, SUITE 100  
BALTIMORE, MD 21211

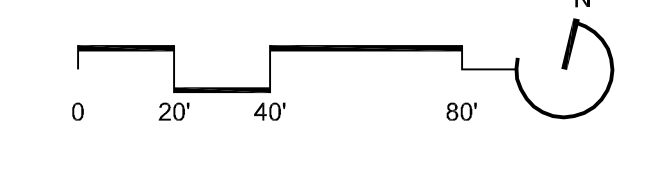
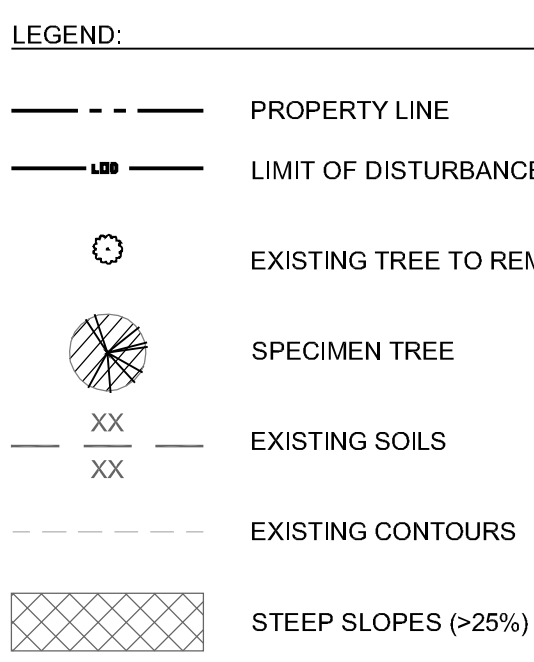
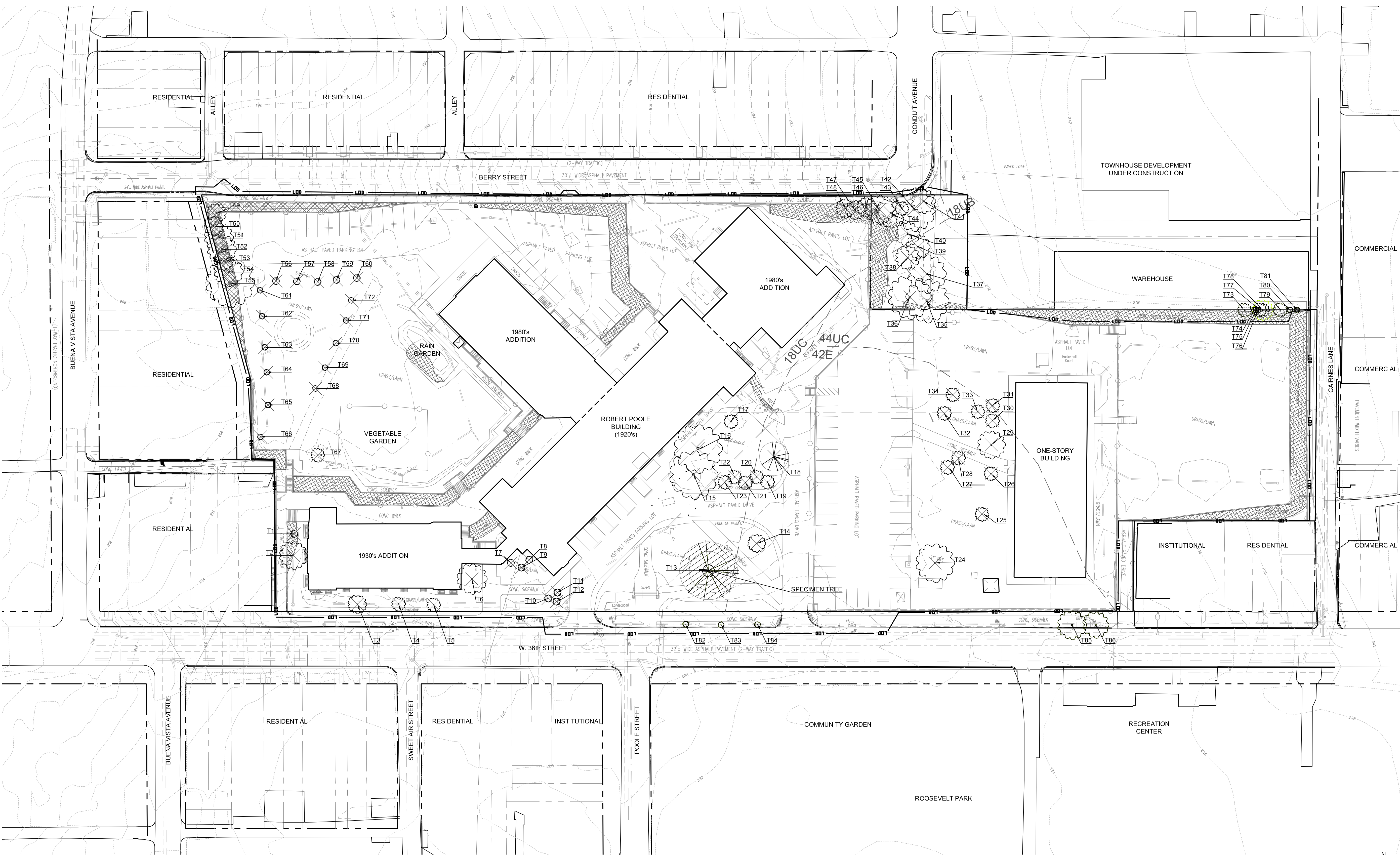
**CIVIL ENGINEER**  
STV, INC.  
1725 AMBASSADOR RD, SUITE 200  
BALTIMORE, MD 21244

**STRUCTURAL ENGINEER**  
ALBRECHT ENGINEERING  
3500 BOSTON ST, SUITE 329  
BALTIMORE, MD 21224

**MEP ENGINEER**  
SRIKIAS ENGINEERING  
1800 N. CHARLES ST, SUITE 310  
BALTIMORE, MD 21201

**FOOD SERVICE**  
NYIKOS ASSOCIATES  
16209A FLOWER HILL WAY  
GATHERSBURG, MD 20879

**AVIT CONSULTANT**  
EDUCATIONAL SYSTEMS PLANNING  
49 OLD SOLOMONS ISLAND RD, STE 301  
ANNAPOLIS, MD 21401



Tree ID	Total Cal.	Botanical Name	Common Name	Condition	Notes
T1	2"	Cercis canadensis	Forest Parsly	Eastern Redbud	Good
T2	2 1/2"	Cercis canadensis	Forest Parsly	Eastern Redbud	Good
T3	6"	Quercus palustris	Pin Oak	Good	Multi-Stem, 5 Stems Each @ 2 1/2" Cal
T4	6 1/2"	Quercus palustris	Pin Oak	Good	
T5	6"	Quercus palustris	Pin Oak	Good	
T6	4"	Cercis canadensis	Forest Parsly	Eastern Redbud	Good
T7	2"	Prunus persica	Peach	Good	Multi-Stem, 3 Stems Each @ 4" Cal
T8	2"	Prunus persica	Peach	Good	
T9	2"	Prunus persica	Peach	Good	
T10	2"	Cercis canadensis	Forest Parsly	Eastern Redbud	Good
T11	3 1/2"	Cercis canadensis	Forest Parsly	Eastern Redbud	Good
T12	2"	Cercis canadensis	Forest Parsly	Eastern Redbud	Good
T13	30"	Pinus strobus	Eastern White Pine	Good	
T14	7 1/2"	Acer saccharum	Silver Maple	Good	
T15	7 1/2"	Morus alba	White Mulberry	Good	Multi-Stem, 4 Stems Each @ 7 1/2" Cal
T16	5 1/4"	Lagerstroemia indica	Crape Myrtle	Good	Multi-Stem, 6 Stems: 7", 6", 6", 6", 6", 2"
T17	2"	Quercus alba	White Oak	Good	
T18	16"	x Cupressocyparis leylandii	Leyland Cypress	Good	
T19	2"	Betula nigra	River Birch	Good	
T20	2"	Betula nigra	River Birch	Good	
T21	2"	Betula nigra	River Birch	Good	
T22	2"	Betula nigra	River Birch	Good	
T23	2"	Betula nigra	River Birch	Good	
T24	20"	Acer platanoides	Norway Maple	Good	
T25	2"	Acer rubrum	Red Maple	Good	
T26	2"	Malus domestica	Apple	Fair	Multi-Stem, 2 Stems Each @ 2" Cal
T27	4"	Malus domestica	Apple	Fair	
T28	2"	Malus domestica	Apple	Fair	
T29	5 1/2"	Prunus persica	Peach	Fair	Multi-Stem, 3 Stems Each @ 5 1/2" Cal
T30	2"	Lagerstroemia indica	Crape Myrtle	Good	
T31	2"	Lagerstroemia indica	Crape Myrtle	Good	
T32	2"	Acer palmatum	Japanese Maple	Good	
T33	2"	Acer rubrum	Red Maple	Good	
T34	6"	Quercus palustris	Pin Oak	Good	
T35	10 1/4"	Ulmus americana	American Elm	Fair to Good	Multi-Stem, 3 Stems @ 11", 11", 12"
T36	6 3/4"	Ulmus americana	American Elm	Fair to Good	Multi-Stem, 4 Stems Each @ 6 3/4" Cal
T37	18"	Prunus serotina	Black Cherry	Fair	
T38	7"	Prunus serotina	Black Cherry	Poor	Multi-Stem, 2 Stems Each @ 7" Cal
T39	14"	Ailanthus altissima	Tree of Heaven	Poor	
T40	6"	Morus alba	White Mulberry	Poor	Multi-Stem, 2 Stems Each @ 9" Cal
T41	10"	Ailanthus altissima	Tree of Heaven	Poor	Multi-Stem, 2 Stems Each @ 10" Cal
T42	12"	Ailanthus altissima	Tree of Heaven	Poor	Multi-Stem, 3 Stems Each @ 12" Cal
T43	10"	Ailanthus altissima	Tree of Heaven	Poor	
T44	8 1/2"	Ailanthus altissima	Tree of Heaven	Poor	Multi-Stem, 3 Stems Each @ 8 1/2" Cal
T45	7 1/2"	Ailanthus altissima	Tree of Heaven	Poor	Multi-Stem, 3 Stems Each @ 7 1/2" Cal
T46	12"	Ailanthus altissima	Tree of Heaven	Poor	
T47	12"	Ailanthus altissima	Tree of Heaven	Poor	
T48	6"	Ailanthus altissima	Tree of Heaven	Poor	
T49	10"	Ailanthus altissima	Tree of Heaven	Poor	
T50	6"	Morus alba	White Mulberry	Poor	
T51	18"	Morus alba	White Mulberry	Poor	
T52	16"	Ulmus americana	American Elm	Poor	
T53	6"	Ulmus americana	American Elm	Poor	
T54	16"	Morus alba	White Mulberry	Poor	
T55	28"	Prunus serotina	Black Cherry	Poor	
T56	2"	Acer rubrum	Red Maple	Good	
T57	2"	Ulmus americana	American Elm	Good	
T58	2"	Ulmus americana	American Elm	Good	
T59	2"	Ulmus parvifolia	Chinese Elm	Good	
T60	2"	Ulmus americana	American Elm	Good	
T61	1"	Liquidambar styraciflua	Sweetgum	Good	
T62	1"	Liquidambar styraciflua	Sweetgum	Good	
T63	1"	Liquidambar styraciflua	Sweetgum	Good	
T64	1"	Liquidambar styraciflua	Sweetgum	Good	
T65	1"	Liquidambar styraciflua	Sweetgum	Good	
T66	1"	Liquidambar styraciflua	Sweetgum	Good	
T67	2"	Ulmus parvifolia	Chinese Elm	Good	
T68	1"	Ambrosia canadensis	Servicberry	Good	
T69	1"	Ambrosia canadensis	Servicberry	Good	
T70	1"	Ambrosia canadensis	Servicberry	Good	
T71	1"	Ambrosia canadensis	Servicberry	Good	
T72	1"	Ambrosia canadensis	Servicberry	Good	
T73	14"	Ailanthus altissima	Tree of Heaven	Poor	Multi-Stem, 2 Stems Each @ 14" Cal
T74	4"	Ailanthus altissima	Tree of Heaven	Poor	
T75	6"	Ailanthus altissima	Tree of Heaven	Poor	
T76	4"	Gleditsia inornata	Common Honey Locust	Poor	
T77	6"	Ailanthus altissima	Tree of Heaven	Poor	
T78	12"	Ailanthus altissima	Tree of Heaven	Poor	
T79	10"	Ailanthus altissima	Tree of Heaven	Poor	
T80	2"	Ailanthus altissima	Tree of Heaven	Poor	
T81	6"	Ailanthus altissima	Tree of Heaven	Poor	
T82	2 1/2"	Ulmus americana	American Elm	Good	
T83	2 1/2"	Ulmus americana	American Elm	Good	
T84	2 1/2"	Ulmus americana	American Elm	Good	
T85	12"	Zakoya samata	Japanese Zakoya	Good	
T86	11"	Zakoya samata	Japanese Zakoya	Good	

# Baltimore City Public Schools Additions & Renovations at Robert Poole Building #056

1300 W 36TH ST., BALTIMORE, MD 21211

MAHAN RYKIEL ASSOCIATES INC. AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. XX  
EXPIRATION DATE: XX

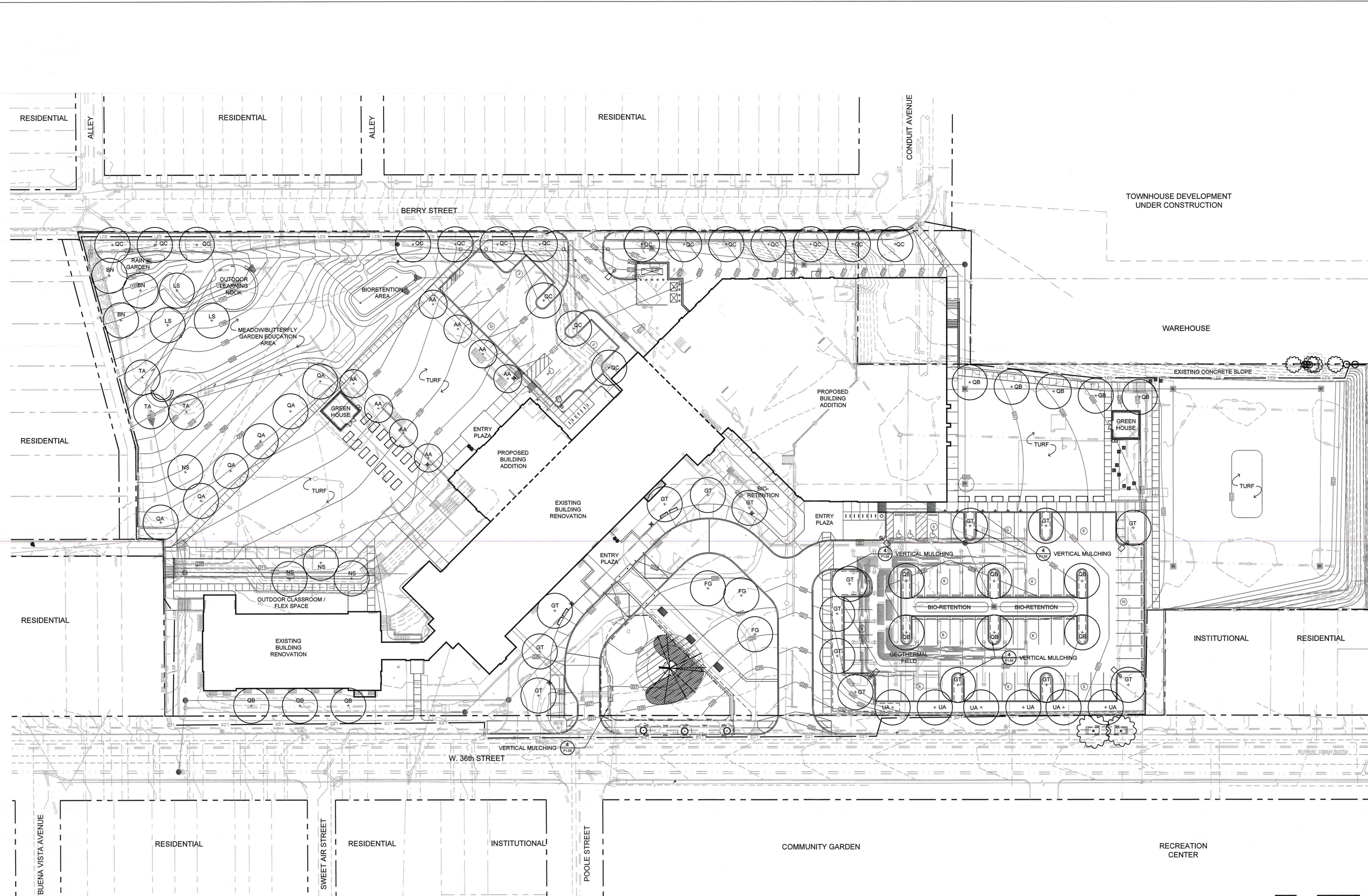
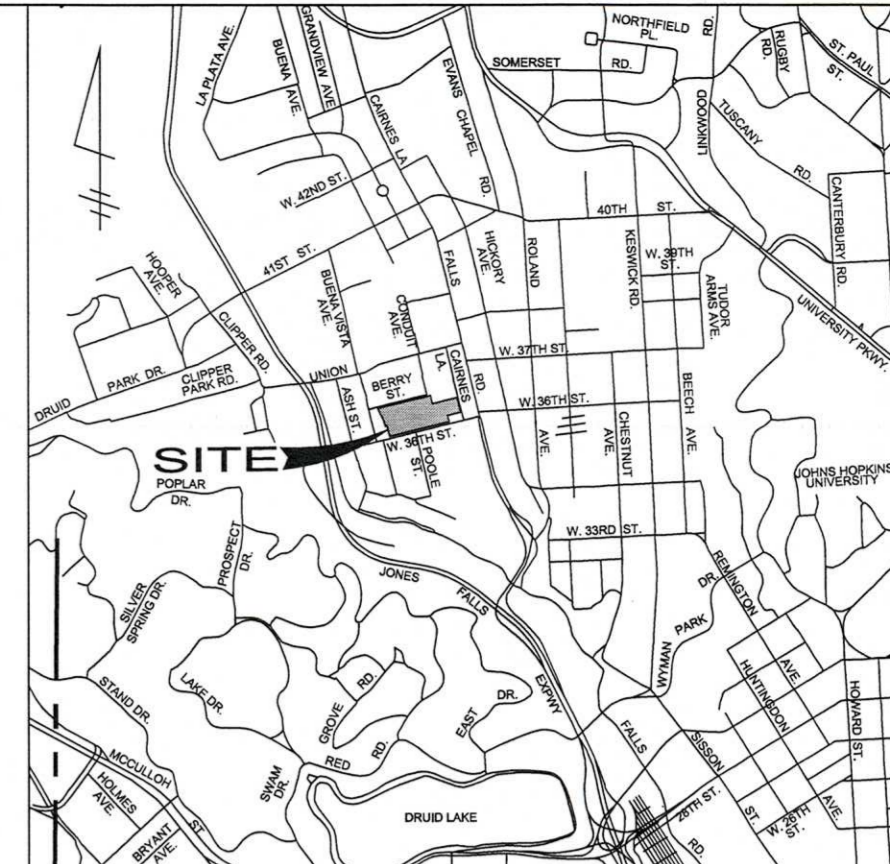
No.	DATE	DESCRIPTION

**BID ISSUE**

PROJECT No.: 152-01  
DATE: 03/31/16  
SCALE: AS SHOWN  
DRAWING NAME  
**Forest Stand Delineation**

**F1.01**

**MAHAN RYKIEL ASSOCIATES INC.**  
The Staff Silver Building, 800 Wyman Park Drive, Suite 100, Baltimore, MD 21211 410.235.6001



**PLANT SCHEDULE**

Qty.	Key	Botanical/Common Name	Size	Root	Comments
<b>SHADE TREES</b>					
8	AA	Acer rubrum 'Armstrong' / Armstrong Maple	2" Cal.	Cont./B&B	Matched Specimen
3	BN	Betula nigra 'Dura Heat' / River Birch	16" HL (2" Cal. Equiv.)	Cont./B&B	Multi-Stem, 3-5 Canes
3	FG	Fagus grandifolia / American Beech	2" Cal.	Cont./B&B	Matched Specimen Do Not Fall Dig
16	GT	Gleditsia triacanthos inermis 'Skyline' / Skyline Locust	2" Cal.	Cont./B&B	Full, Central Leader Matched
3	LS	Liquidambar styraciflua 'Ward' / Cherokee Sweetgum	2" Cal.	Cont./B&B	Full, Central Leader Do Not Fall Dig
4	NS	Nyssa sylvatica / Black Tupelo	2" Cal.	Cont./B&B	Full, Central Leader Do Not Fall Dig
6	QA	Quercus alba / White Oak	2" Cal.	Cont./B&B	Full, Central Leader Matched, Do Not Fall Dig
17	QC	Quercus coccinea / Scarlet Oak	2" Cal.	Cont./B&B	Full, Central Leader Matched, Do Not Fall Dig
14	QB	Quercus bicolor / Swamp White Oak	2" Cal.	Cont./B&B	Matched Specimen
3	TA	Tilia americana / American Basswood	2" Cal.	Cont./B&B	Full, Central Leader
6	UA	Ulmus americana 'Valley Forge' / Valley Forge Elm	2" Cal.	Cont./B&B	Matched Specimen
83	TOTAL				

**FOREST CONSERVATION WORKSHEET**

Net Tract Area  
 A. Total Tract Area = 6.11  
 B. Deductions = 0.56  
 C. Net Tract Area = 5.55

Land Use Category  
 Input the number "1" under the appropriate land use zoning, and limit to only one entry

ARA	MDR	IDA	HDR	MPD	CA
0	0	1	0	0	0

Existing Forest Cover  
 F. Existing Forest Cover within the Net Tract Area = 0.00  
 G. Area of Forest Above Conservation Threshold Break Even Point = 0.00

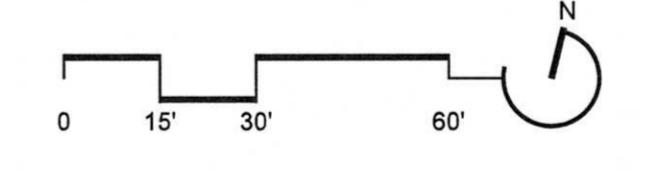
Proposed Forest Clearing  
 J. Total Area of Forest to be Cleared = 0.00  
 K. Total Area of Forest to be Retained = 0.00

Planting Requirements  
 L. Reforestation for Clearing Above the Conservation Threshold = 0.00  
 M. Reforestation for Clearing Below the Conservation Threshold = 0.00  
 N. Credit for Retention above the Conservation Threshold = 0.00  
 P. Total Reforestation Required = 0.00  
 Q. Total Afforestation Required = 0.63  
 R. Total Planting Requirement = 0.63

**OWNER'S AGREEMENT**

OWNER'S AGREEMENT  
 THE OWNER/AGENT SHALL MAINTAIN AND MANAGE THE FOREST PLANTINGS AND BE THE RESPONSIBLE PARTY FOR TREE CARE. THE OWNER/AGENT SHALL BE RESPONSIBLE FOR MAINTENANCE OF PROTECTIVE FENCING DURING CONSTRUCTION, MAINTENANCE OF SIGNS, AND MAINTAIN AND MANAGE FOREST PLANTINGS THAT MAY INCLUDE:  
 • REPLACEMENT OF PLANTINGS,  
 • WATERING, FERTILIZING (AS RECOMMENDED BY SOIL TEST RESULTS), REMOVING COMPETING VEGETATION, AND PROTECTING PLANTS FROM DISEASE, PEST AND MECHANICAL DAMAGE DURING THE PLANTING AND MAINTENANCE PERIOD  
 • REMOVAL OF PROTECTION FENCING, SIGNAGE AND TREE PROTECTION SHELTERS.  
 THE OWNER/AGENT SHALL MONITOR THE AFFORESTATION/REFORESTATION SITES FOR TWO YEARS OR TWO GROWING SEASONS, WHICHEVER IS GREATER, AND SHALL REPLACE ANY DEAD PLANTINGS TO A MINIMUM STANDARD OF 100 PERCENT IN ACCORDANCE WITH COMAR

OWNER / APPLICANT: \_\_\_\_\_ DATE: 2/7/16



- LEGEND:**
- PROPERTY LINE
  - - - - - LIMIT OF DISTURBANCE (LOD)
  - - - - - TREE PROTECTION FENCING/ TEMP. MULCH LIMITS
  - - - - - ROOT PRUNING
  - - - - - PERMANENT MULCH RING
  - EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE
  - SPECIMEN TREE
  - - - - - PROPOSED CONTOURS
  - - - - - EXISTING CONTOURS
  - ROOT PROTECTION MATTING

**FOREST CONSERVATION WORKSHEET NOTES:**  
 1. 2" MINIMUM TREES REQUIRED: 83  
 2. 2" MINIMUM TREES PROVIDED: 83

**Baltimore City Public Schools  
 Additions & Renovations at Robert Poole  
 Building #056**  
 1300 W 36TH ST., BALTIMORE, MD 21211



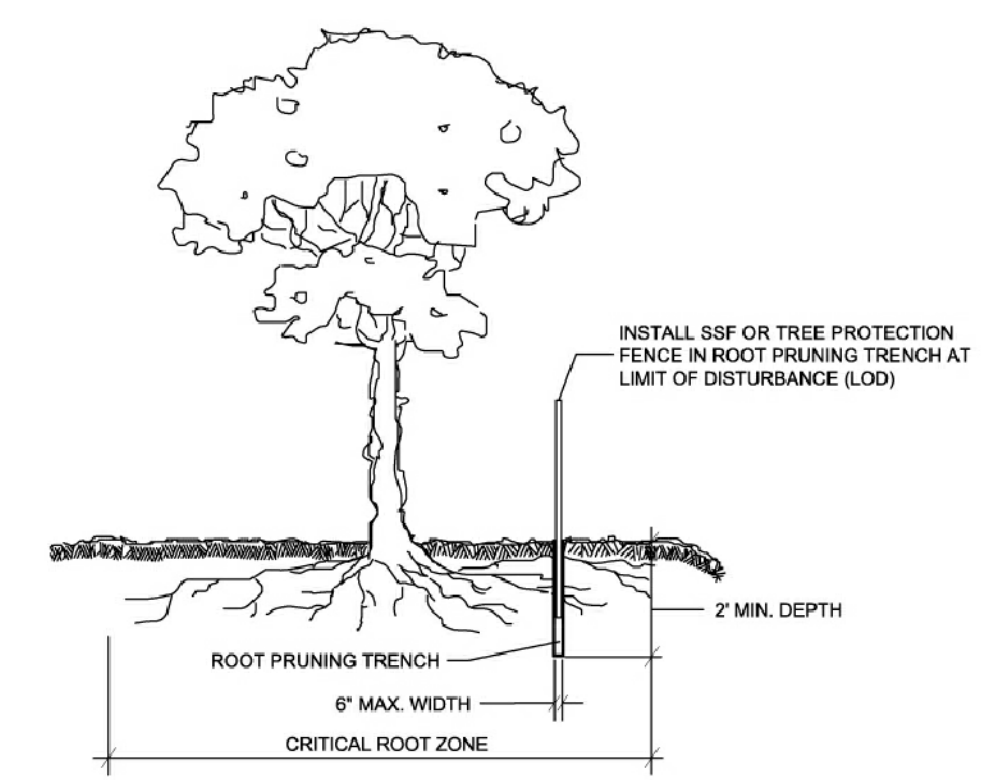
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.  
 LICENSE NO.: 951 EXPIRATION DATE: 3/30/2016

No.	DATE	DESCRIPTION

PROJECT No.: 152-01  
 DATE: 01/21/16  
 SCALE: AS SHOWN  
 DRAWING NAME:

**STRESS REDUCTION MEASURE**

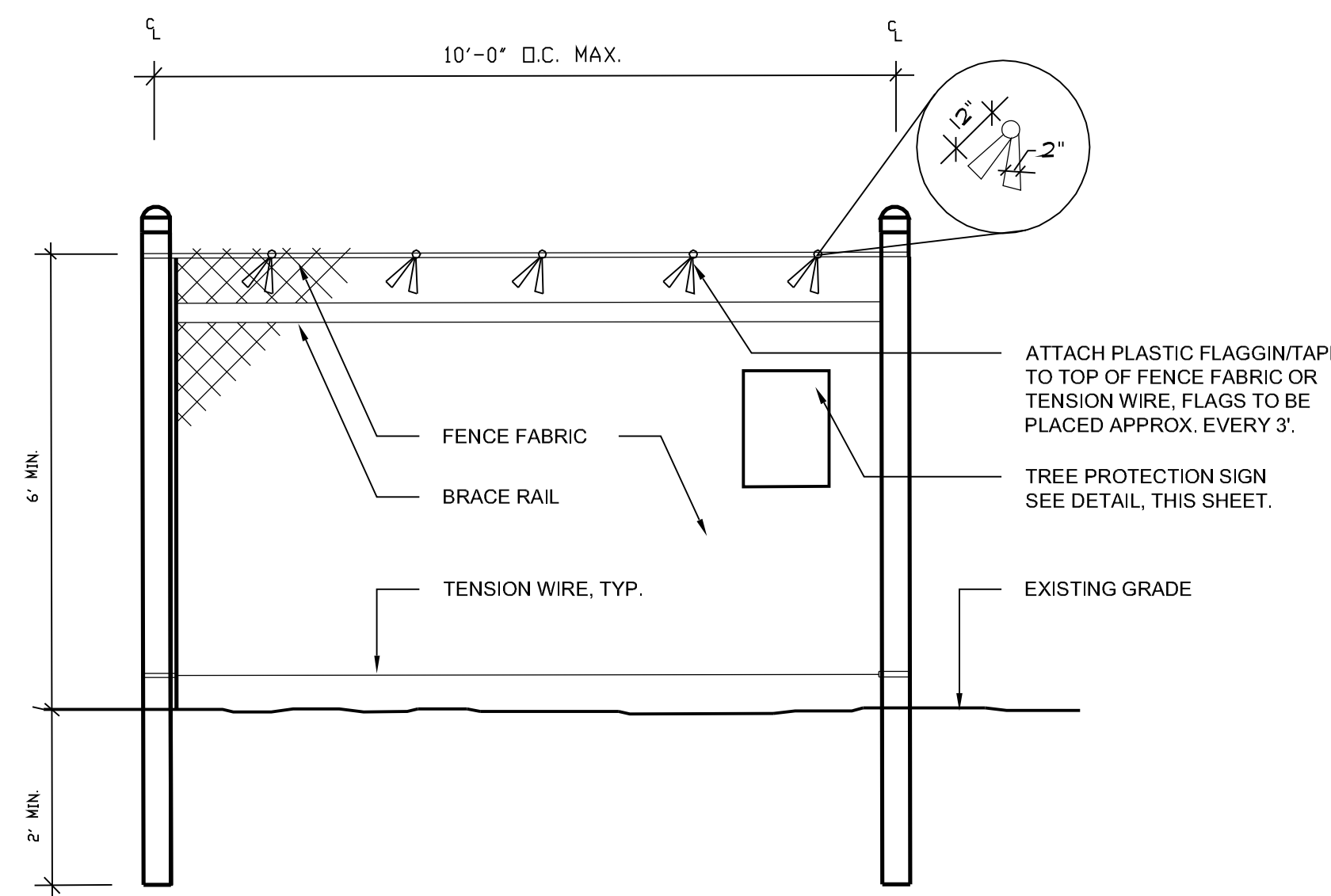
**ROOT PRUNING**



- NOTES:**
1. RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS.
  2. BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED AND FLAGGED PRIOR TO TRENCHING.
  3. EXACT LOCATION OF TRENCH SHOULD BE IDENTIFIED.
  4. ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.
  5. TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH SOIL REMOVED OR OTHER HIGH ORGANIC SOIL.

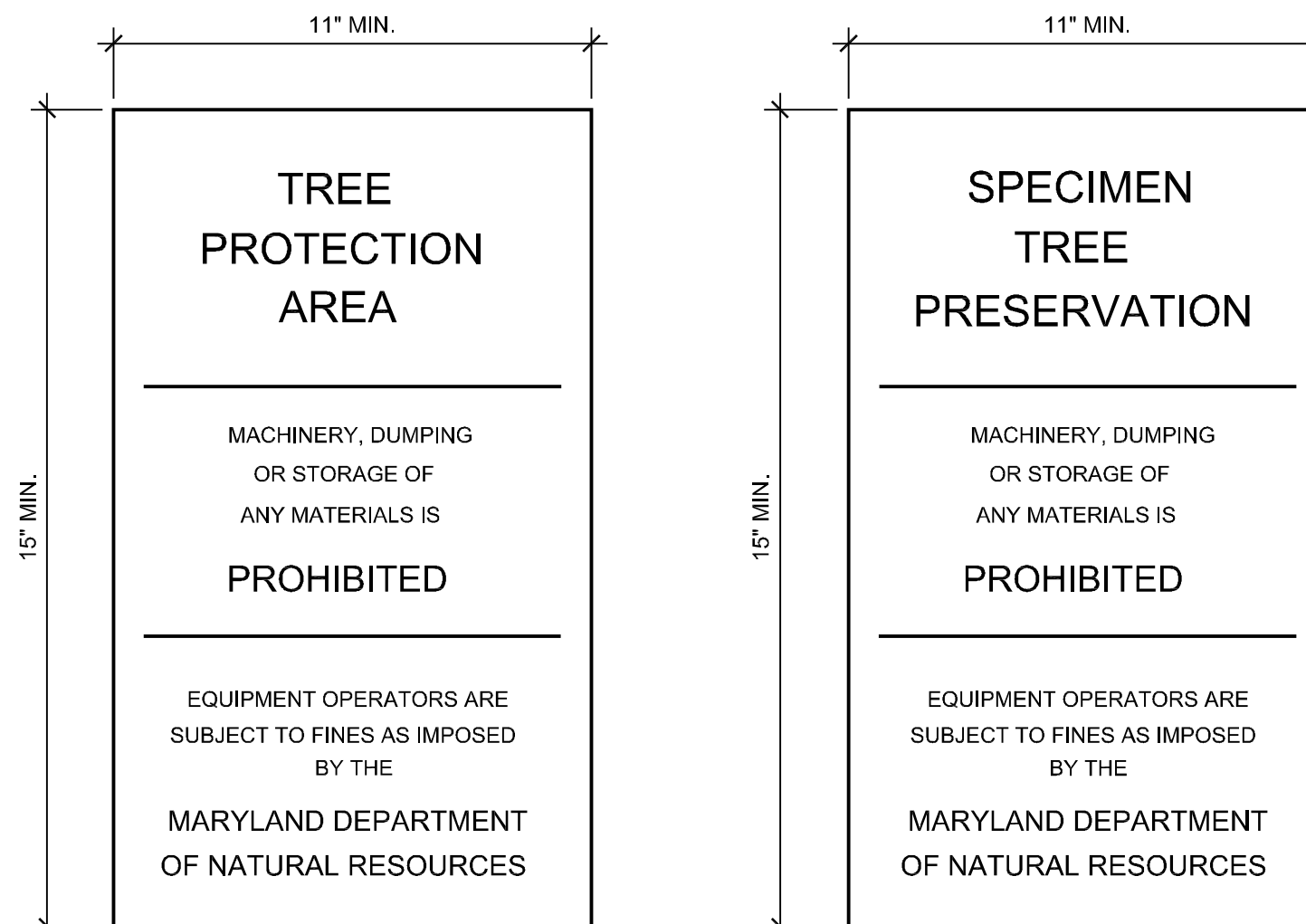
**1 TREE ROOT PRUNING**

N.T.S.



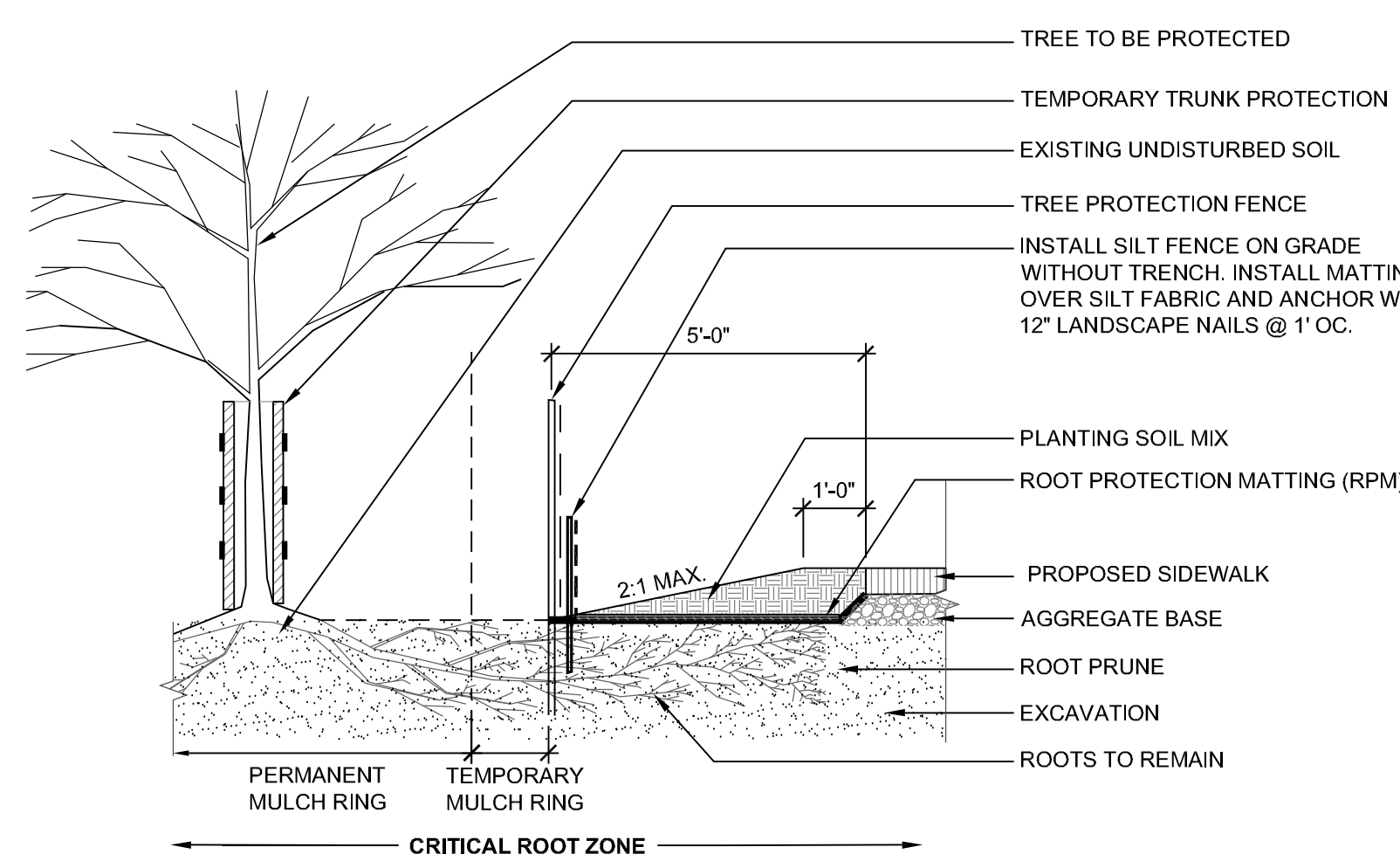
**2 TREE PROTECTION FENCING**

N.T.S.

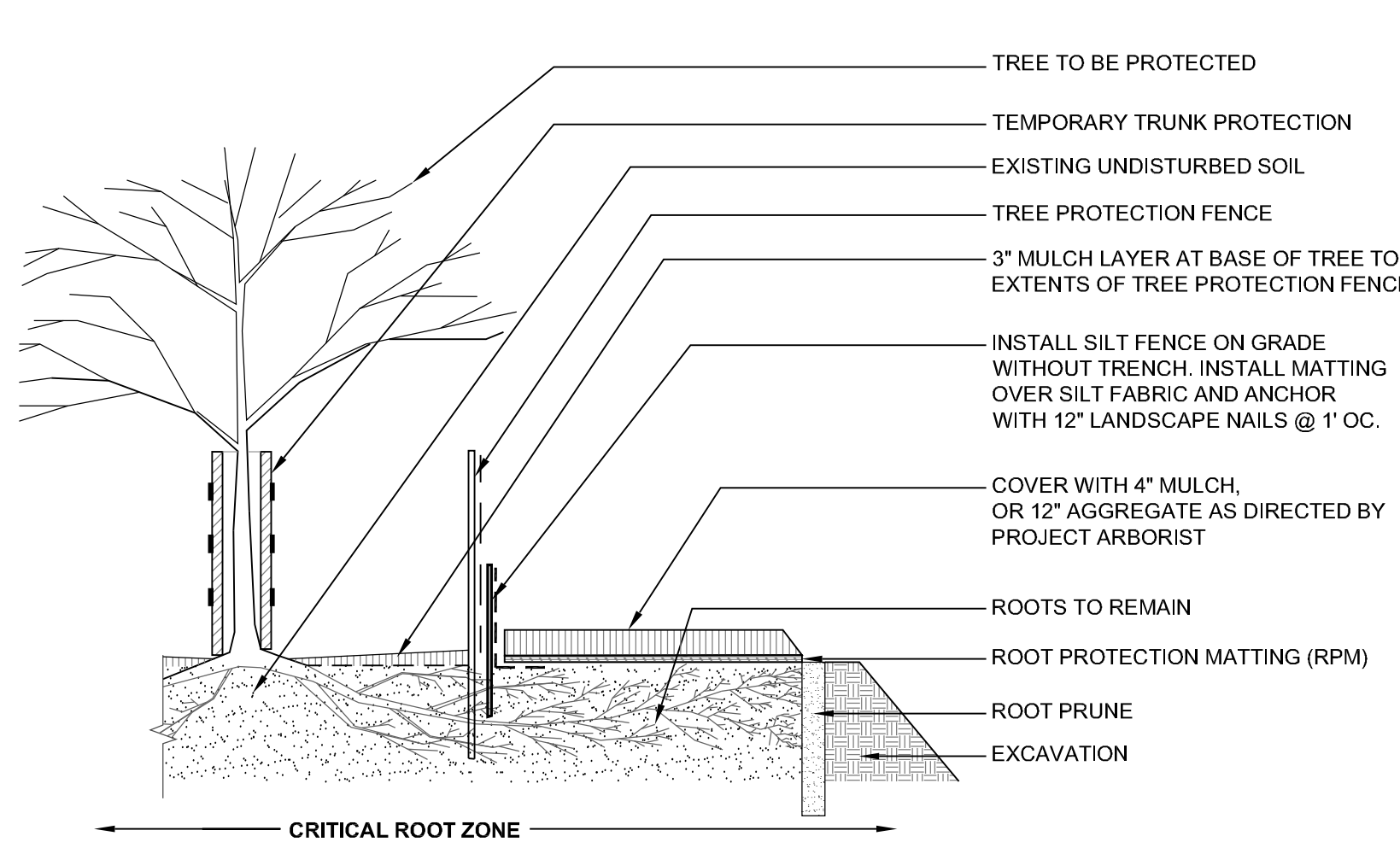


**3 TREE PROTECTION SIGNAGE**

Scale: 3" = 1' - 0"



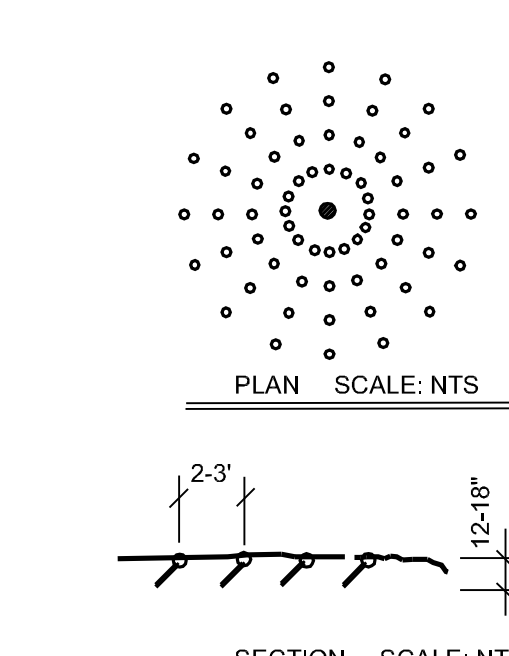
- NOTES:**
1. USE FOR FILL CONDITIONS WITHIN CRITICAL ROOT ZONES OF SPECIMEN TREES TO REMAIN. TO REMAIN PLACE AS PERMANENT ROOT PROTECTION.
  2. MATTING MATERIAL SHALL BE DOUBLE SIDED GEOCOMPOSITE, GEONET CORE WITH NON-WOVEN COVERING (SUCH AS TENAX TENDRAIN 7502) OR APPROVED EQUIVALENT.
  3. ROOT AERATION MAT SHALL BE INSTALLED BY A CERTIFIED ARBORIST.
  4. ROOT AERATION MAT SHALL BE ANCHORED BY MINIMUM 12" LANDSCAPE NAILS @ 1' SPACING.
  5. TFP = TREE PROTECTION FENCE



- NOTES:**
1. USE FOR TEMPORARY CONSTRUCTION ACCESS, STAGING AREAS, FOR CONCRETE/MASONRY SET-UP AND OPERATIONS WITHIN CRITICAL ROOT ZONES.
  2. MATTING MATERIAL SHALL BE DOUBLE SIDED GEOCOMPOSITE, GEONET CORE WITH NON-WOVEN COVERING (SUCH AS TENAX TENDRAIN 7502) OR APPROVED EQUIVALENT.
  3. ROOT PROTECTION MATTING SHALL BE INSTALLED BY A CERTIFIED ARBORIST.
  4. ROOT PROTECTION MATTING SHALL BE ANCHORED BY MINIMUM 12" LANDSCAPE NAILS @ 1' SPACING.
  5. ROOT PROTECTION MATTING SHALL BE REMOVED PROMPTLY AFTER CONSTRUCTION IS COMPLETE.

**4 VERTICAL MULCHING**

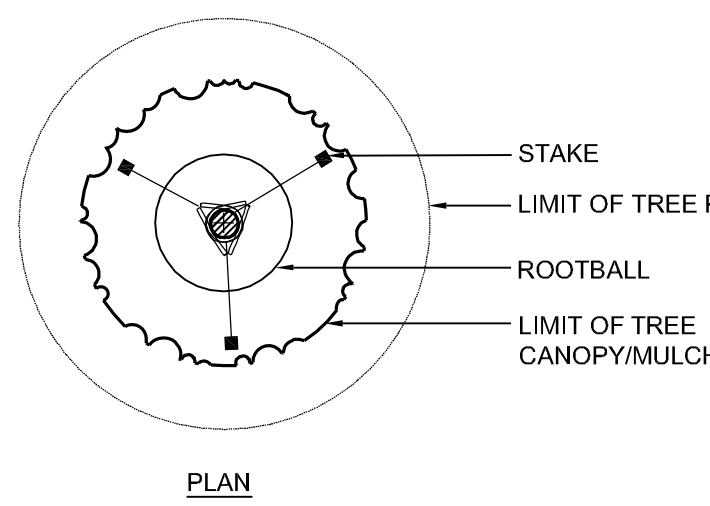
N.T.S.



- NOTE:**
1. APPLY VERTICAL MULCHING TO AREAS OF EXISTING PAVEMENTS REMOVED FOR PROPOSED PLANTING AREAS.

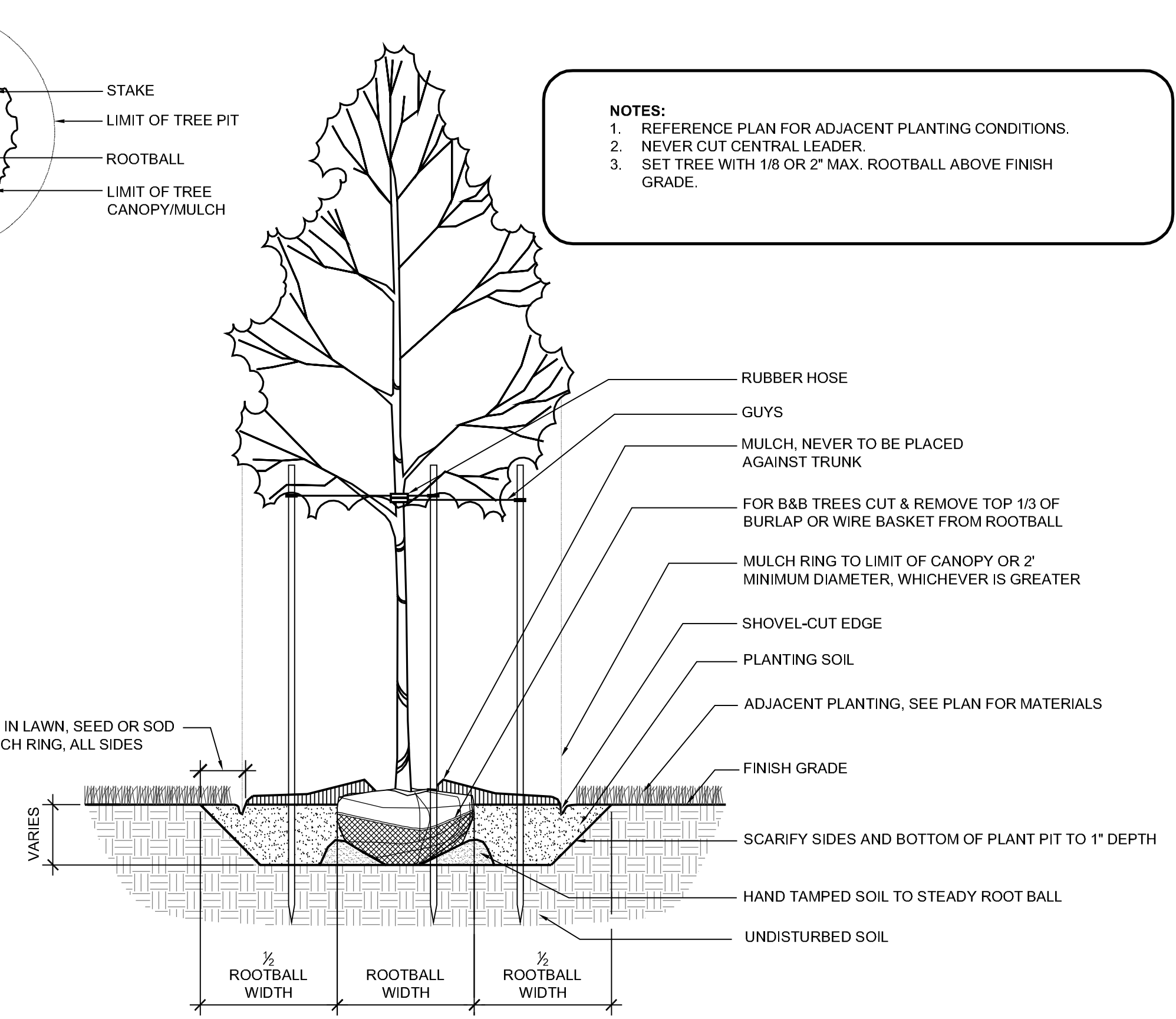
**5 PERMANENT ROOT PROTECTION-FILL CONDITIONS**

N.T.S.

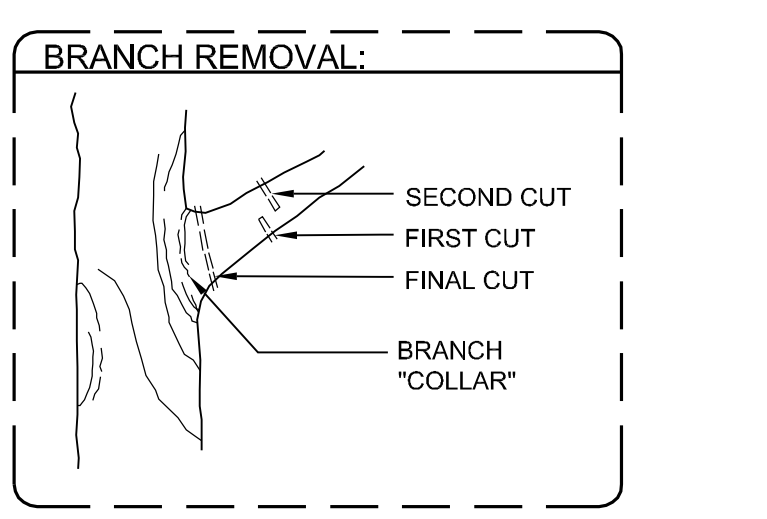
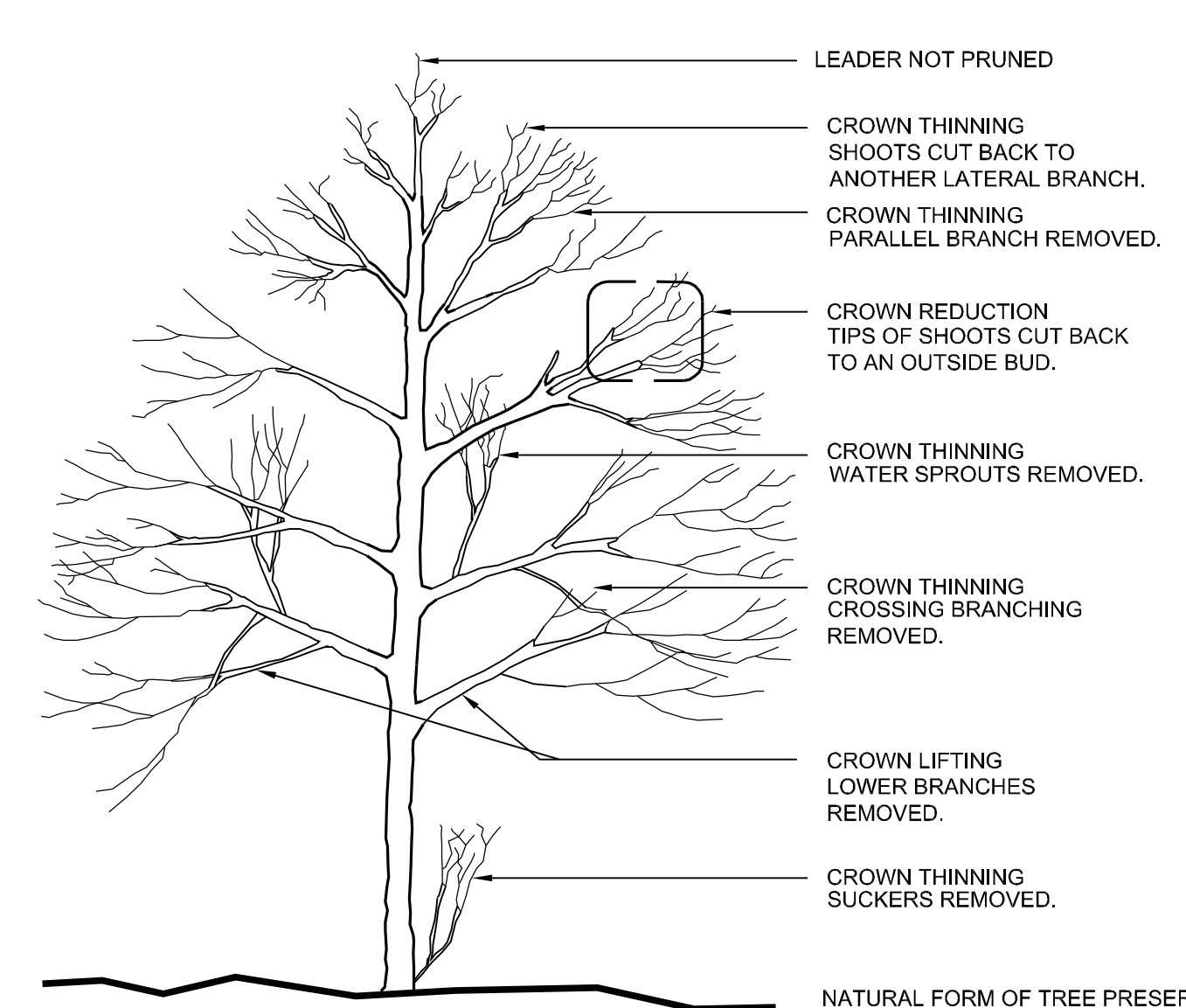


**6 TEMPORARY ROOT MATTING**

N.T.S.



- NOTES:**
1. REFERENCE PLAN FOR ADJACENT PLANTING CONDITIONS.
  2. NEVER CUT CENTRAL LEADER.
  3. SET TREE WITH 1/8 OR 2" MAX. ROOTBALL ABOVE FINISH GRADE.



- TREE PRUNING CHECKLIST:**
- PRUNE ONLY WHEN NECESSARY TO MAINTAIN DESIRED FORM.
  - RESTRICT ROOT PRUNING TO BADLY DAMAGED ROOTS.
  - REMOVE LARGE BRANCHES IN BALANCED SECTIONS AS DETAILED.
  - REMOVE ONLY MINIMUM NUMBER OF BRANCHES IN CROWN LIFTING OPERATION.
  - WHEN CROWN THINNING, REMOVE DEAD, WEAKENED OR BADLY PLACED LIMBS, UP TO ONE QUARTER OR ONE THIRD OF ONE SEASON'S GROWTH.
  - CUT BACK OUTER BRANCHES TO SUITABLE OUTWARD OR UPWARD POINTING BUD OR BRANCH.

**7 TREE PRUNING**

N.T.S.

**8 TREE PLANTING**

1/2" = 1'-0"

**CONSTRUCTION TIMETABLE**

CONSTRUCTION IS ANTICIPATED TO BEGIN SPRING 2016.  
THE CONTRACTOR OR AGENCY (MSA) MUST CONTACT THE MARYLAND DEPARTMENT OF NATURAL RESOURCES FOREST SERVICE (MD-DNR) AT (410) 260-8511, AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY GRADING OR CONSTRUCTION.

CONTACT MD-DNR (410) 260-8511 AT LEAST 48 HOURS PRIOR TO COMPLETION OF THE PROJECT.

**SEQUENCE OF CONSTRUCTION SUMMARY**

- PRE-CONSTRUCTION**
- 1) PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, CLEARING OR GRADING, A PRE-CONSTRUCTION MEETING SHALL BE HELD ON-SITE WITH THE REPRESENTATIVE FROM MARYLAND DEPARTMENT OF NATURAL RESOURCES. THE SITE SHALL BE WALKED AND THE LIMITS OF DISTURBANCE AND AREAS FOR TREE PROTECTION DEVICES SHALL BE STAKED AND FLAGGED.
  - 2) AN APPROVED COPY OF THE FOREST CONSERVATION PLANS SHALL BE KEPT ON-SITE THROUGHOUT CONSTRUCTION.
  - 3) NO CLEARING OR GRADING SHALL BEGIN BEFORE STRESS REDUCTION MEASURES HAVE BEEN IMPLEMENTED AND ARE IN PLACE. APPROPRIATE MEASURES MAY INCLUDE, BUT ARE NOT LIMITED TO:
    - a. ROOT PRUNING
    - b. CROWN REDUCTION OR PRUNING
    - c. WATERING
    - d. FERTILIZING
    - e. VERTICAL MULCHING
    - f. ROOT AERATION MATTING
 MEASURES NOT SPECIFIED ON THE FOREST CONSERVATION PLAN MAY BE REQUIRED AS DETERMINED BY THE MARYLAND DNR FOREST CONSERVATION INSPECTOR IN COORDINATION WITH THE ARBORIST.
  - 4) A MARYLAND LICENSED TREE EXPERT MUST PERFORM ALL STRESS REDUCTION MEASURES. DOCUMENTATION OF STRESS REDUCTION MEASURES MUST BE EITHER OBSERVED BY THE MARYLAND DNR FOREST CONSERVATION INSPECTOR OR SENT TO THE MARYLAND DNR CENTRAL REGIONAL OFFICE. THE MARYLAND DNR FOREST CONSERVATION INSPECTOR WILL DETERMINE THE EXACT METHOD TO CONVEY THE STRESS REDUCTION MEASURES DURING THE PRE-CONSTRUCTION MEETING.
  - 5) TEMPORARY TREE PROTECTION DEVICES SHALL BE INSTALLED PER THE FOREST CONSERVATION PLAN AND PRIOR TO ANY CONSTRUCTION ACTIVITIES. TREE PROTECTION FENCING LOCATIONS SHOULD BE STAKED AT THE PRE-CONSTRUCTION MEETING. THE MARYLAND DNR FOREST CONSERVATION INSPECTOR, IN COORDINATION WITH THE PROJECT ENGINEER, MAY MAKE FIELD ADJUSTMENTS TO INCREASE THE SURVIVABILITY OF TREES AND FOREST SHOWN TO BE SAVED ON THE APPROVED PLANS. TEMPORARY TREE PROTECTION DEVICES MAY INCLUDE: CHAIN LINK FENCE (6 FEET HIGH).
  - 6) TEMPORARY PROTECTION DEVICES SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION PROJECT AND MUST NOT BE ALTERED WITHOUT PRIOR WRITTEN APPROVAL FROM THE MARYLAND DNR FOREST CONSERVATION INSPECTOR. NO EQUIPMENT, TRUCKS, MATERIALS OR DEBRIS MAY BE STORED WITHIN THE TREE PROTECTION FENCE AREAS DURING THE ENTIRE CONSTRUCTION PROJECT. NO VEHICLE OR EQUIPMENT ACCESS TO THE FENCED AREA WILL BE PERMITTED. TREE PROTECTION SHALL NOT BE REMOVED WITHOUT PRIOR WRITTEN APPROVAL FROM THE MARYLAND DNR FOREST CONSERVATION INSPECTOR.
  - 7) FOREST RETENTION AREA SIGNS SHALL BE INSTALLED AS REQUIRED BY THE MARYLAND DNR FOREST CONSERVATION INSPECTOR, OR AS SHOWN ON THE APPROVED PLAN.

**DURING CONSTRUCTION**

- 8) PERIODIC INSPECTIONS BY THE MARYLAND DNR FOREST CONSERVATION INSPECTOR WILL OCCUR DURING THE CONSTRUCTION PROJECT. CORRECTIONS AND REPAIRS TO ALL TREE PROTECTION DEVICES, AS DETERMINED BY THE MARYLAND DNR FOREST CONSERVATION INSPECTOR, MUST BE MADE WITHIN THE TIMEFRAME ESTABLISHED BY THE INSPECTOR.

**POST-CONSTRUCTION**

- 9) AFTER CONSTRUCTION IS COMPLETED, AN INSPECTION SHALL BE REQUESTED. CORRECTIVE MEASURES MAY INCLUDE:
  - A. REMOVAL AND REPLACEMENT OF DEAD AND DYING TREES
  - B. PRUNING OF DEAD OR DECLINING LIMBS
  - C. SOIL AERATION
  - D. FERTILIZATION
  - E. WATERING
  - F. WOUND REPAIR
  - G. CLEAN-UP OF RETENTION AREAS
- 11) AFTER INSPECTION AND COMPLETION OF CORRECTIVE MEASURES HAVE BEEN UNDERTAKEN, ALL TEMPORARY PROTECTION DEVICES SHALL BE REMOVED FROM THE SITE. REMOVAL OF TREE PROTECTION DEVICES THAT ALSO OPERATE FOR EROSION AND SEDIMENT CONTROL MUST BE COORDINATED WITH BOTH THE BALTIMORE CITY PERMITTING DEPARTMENT AND THE MARYLAND DNR FOREST CONSERVATION INSPECTOR. NO ADDITIONAL GRADING, SODDING OR BURIAL MAY TAKE PLACE AFTER THE TREE PROTECTION FENCING/MEASURES HAVE BEEN REMOVED.

**CLEARED AREAS**

**NOTE:** ALL AREAS SHOWN ON THE PLANS LOCATED WITHIN THE LIMITS OF DISTURBANCE (L.O.D) ARE TO BE APPROVED FOR WORK WITHIN THIS CONTRACT. NO CLEARING OR GRADING WILL BE PERMITTED UNTIL TREE PROTECTIVE MEASURES ARE INSTALLED AND HAVE BEEN APPROVED BY A MARYLAND DNR REPRESENTATIVE.

**PROTECTIVE MEASURES**

- I. FENCING
  - A. GENERAL
    1. FENCING IN THIS CONTRACT SHALL BE PROCURED AND INSTALLED PER BALTIMORE CITY STANDARD DRAWINGS AND SPECIFICATIONS.
    2. FENCING FOR TREE PROTECTION AREAS SHALL REMAIN IN PLACE FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD OF THIS CONTRACT.
    3. TREE PROTECTION FENCING SHALL BE LOCATED ON THE LIMITS-OF-DISTURBANCE LINE AS INDICATED ON THE DETAILS, UNLESS OTHERWISE NOTED ON THE PLANS.
  - II. TREE PROTECTION FENCING
    - A. CHAIN LINK FENCE
      1. TREE PROTECTION FENCING SHALL BE 6' TALL CHAIN LINK FENCE
      2. TREE PROTECTION FENCING SHALL BE MEASURED TO THE TOP OF THE FENCE FABRIC.
      3. FENCE MATERIALS SHALL MEET THE REQUIREMENTS AS STATED IN THE BALTIMORE CITY STANDARD SPECIFICATIONS AND AS SHOWN ON THE DETAIL DRAWINGS.
    - B. PLASTIC FLAGGING:
      1. PLASTIC FLAGGING MUST BE ATTACHED SECURELY ON THE TOP OF TENSION WIRE OR RAIL AT A MAXIMUM OF THREE (3) FEET AND A MINIMUM OF TWO (2) FEET CENTER, ALTERNATING SCANTS AS INDICATED ON THE DETAIL DRAWINGS.
      2. EACH LENGTH OF FLAGGING, AFTER IT IS SECURED, SHOULD BE A MINIMUM LENGTH OF TWELVE (12) INCHES LONG.
      3. PLASTIC FLAGGING OR PLASTIC TAPE SHALL BE EITHER BRIGHT ORANGE OR FLUORESCENT ORANGE IN COLOR.
  - III. FERTILIZATION
    - A. FERTILIZATION BY INJECTION
      1. TREES AT THE RETENTION EDGE (LIMITS-OF-DISTURBANCE) SHALL RECEIVE FERTILIZATION IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
        - A. FERTILIZER SHALL BE APPLIED BY METHOD OF INJECTION BY A CERTIFIED ARBORIST.
        - B. QUANTITY, TYPE, AND FREQUENCY OF FERTILIZER APPLICATION SHALL BE DETERMINED BY THE AFOREMENTIONED ARBORIST.
        - C. INJECTION FERTILIZATION SHALL NOT OCCUR WITHIN THREE (3) FEET OF THE TRUNK OF THE TREE.
      2. NO WORK SHALL BE PERFORMED ON THE CONTRACT SITE PRIOR TO PREPARATION OF THE TREE PROTECTION AREAS) FERTILIZATION, ROOT PRUNING, FENCE INSTALLATION AND PROTECTION SIGNAGE).
    - IV. ROOT PRUNING
      - A. ROOT PRUNING SHALL BE EXECUTED AT TREE PROTECTION FENCE LINES AS INDICATED ON THE DETAIL DRAWINGS.
        1. ROOT PRUNING SHALL BE DONE BY A CERTIFIED ARBORIST.
        2. TRENCHES FOR ROOT PRUNING SHALL BE DUG WITH A VIBRATORY KNIFE, AND SHALL BE A MINIMUM TWO (2) FEET DEPTH.
    - V. SUBMITTALS
      - A. PRIOR TO THE FIRST INSPECTION OF THE TREE SAVE AREAS, CREDENTIALS MUST BE SUBMITTED TO THE RESIDENT ENGINEER, FORWARDED AND APPROVED BY THE MARYLAND DNR. FOR THE SELECTION OF A CERTIFIED ARBORIST TO PERFORM ALL WORK INCLUDING BUT NOT LIMITED TO WATERING, FERTILIZATION, ROOT PRUNING AND ANY OTHER METHODS NOT MENTIONED HEREIN THAT WILL KEEP THE TREE IN A LIVE, HEALTHY CONDITION WITHIN THE TREE PROTECTION AREAS THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD OF THIS CONTRACT.
      - B. REPORT MUST BE SUBMITTED TO THE MARYLAND DNR FROM THE ARBORIST WHICH SPECIFIES THEIR RECOMMENDED TREATMENTS AND SCHEDULE FOR CARRYING OUT TREE PROTECTION MEASURES.
      - C. SUPPLEMENTAL REPORTS MUST BE SUBMITTED AS TREE PROTECTION MEASURES AND COMPLETED WHICH INDICATE WHEN AND WHAT WORK WAS DONE, AND MUST BE SIGNED BY THE ARBORIST.

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**MEP ENGINEER**  
BRIQUAS ENGINEERING  
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49 OLD SOLOMONS ISLAND RD, STE 301  
ANNAPOLIS, MD 21401

**Baltimore City Public Schools**  
**Additions & Renovations at Robert Poole Building #056**  
1300 W 36TH ST., BALTIMORE, MD 21211

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSEE NO. 03  
EXPIRATION DATE: XX

No.	DATE	DESCRIPTION

**BID ISSUE**

PROJECT No.: 152-01  
DATE: 03/31/16  
SCALE: AS SHOWN

**Forest Conservation Details**

**F1.03**

**MAHAN RYKIEL ASSOCIATES INC.**  
The Sleaf Silver Building, 800 Wyman Park Drive, Suite 100, Baltimore, MD 21211 410.235.6001

1/6/2016 8:48:54 AM

**Baltimore City Public Schools  
Additions & Renovations at Robert Poole  
Building #056**

1300 W 36TH ST., BALTIMORE, MD 21211

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO. 831  
EXPIRATION DATE 02/17

No.	DATE	DESCRIPTION

BID ISSUE

PROJECT No.: 152-01

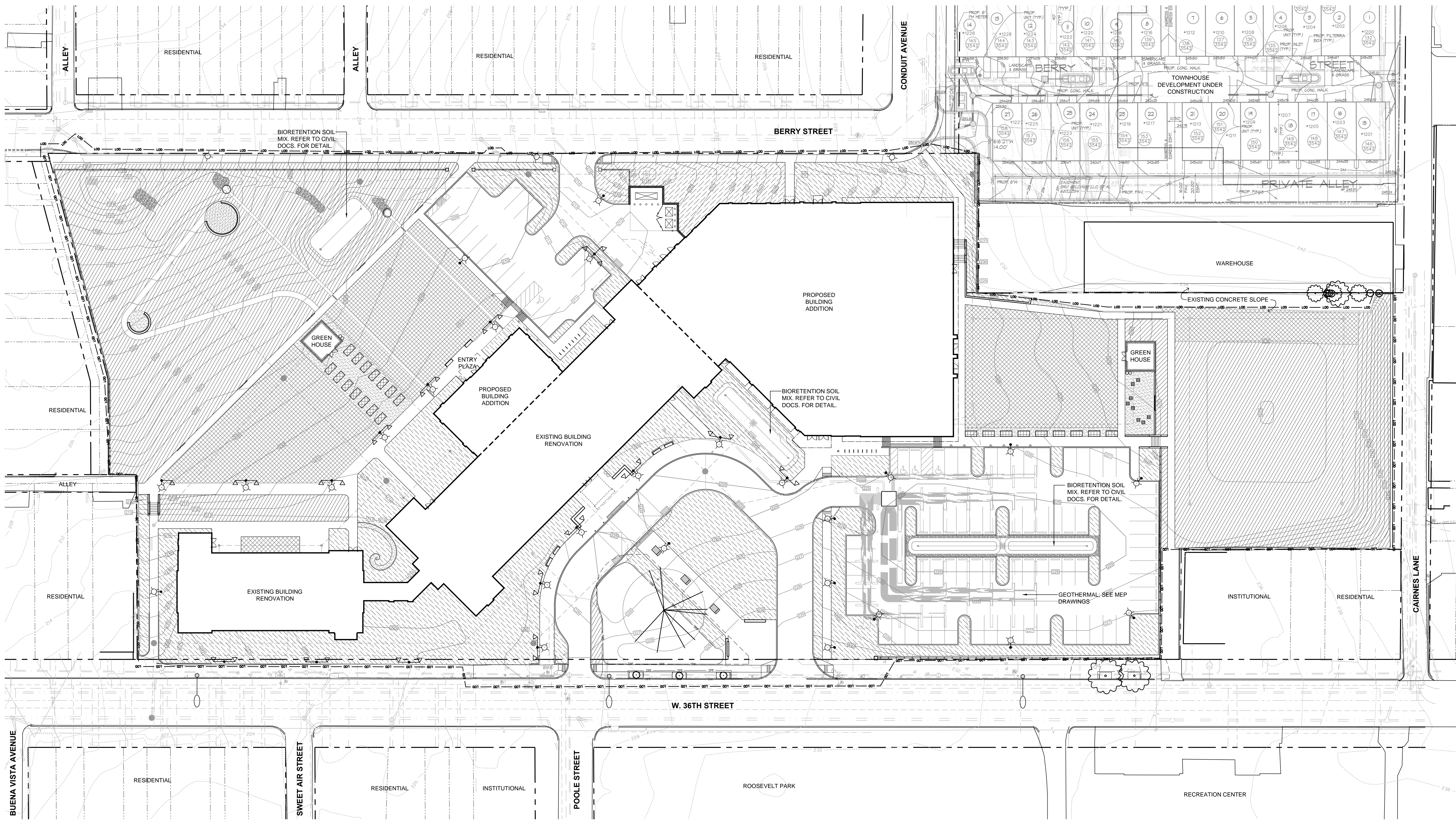
DATE: 03/31/16

SCALE: AS SHOWN

DRAWING NAME

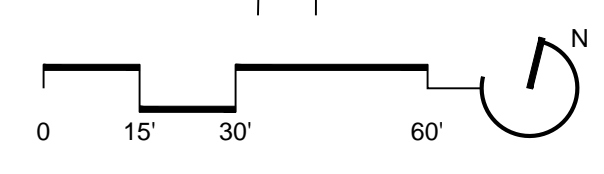
Soil Plan

**L1.00**



LEGEND	SPEC SECTION
	SOIL MIX A 32 9113
	SOIL MIX B 32 9113
	SOIL MIX C 32 9113
	SOIL MIX D 32 9113
	CRUSHED STONE 32 1540
	PROPERTY LINE
	LIMIT OF DISTURBANCE (LOD)
	TREE PROTECTION FENCING (TPF)
	EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE

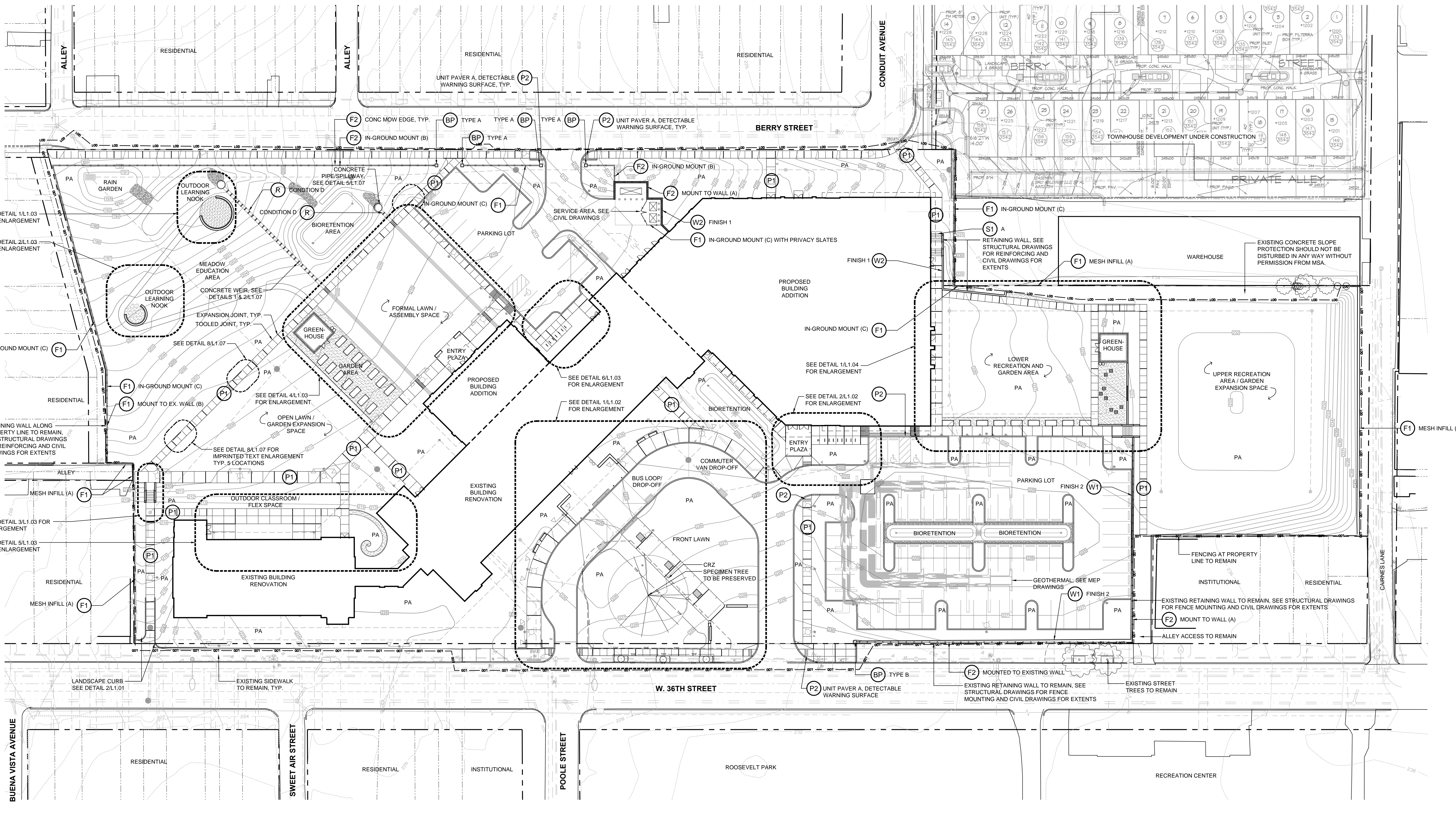
**NOTES:**  
1. REFER TO 32 9300 FOR BACKFILL SOIL MIX FOR PLANTING PITS.



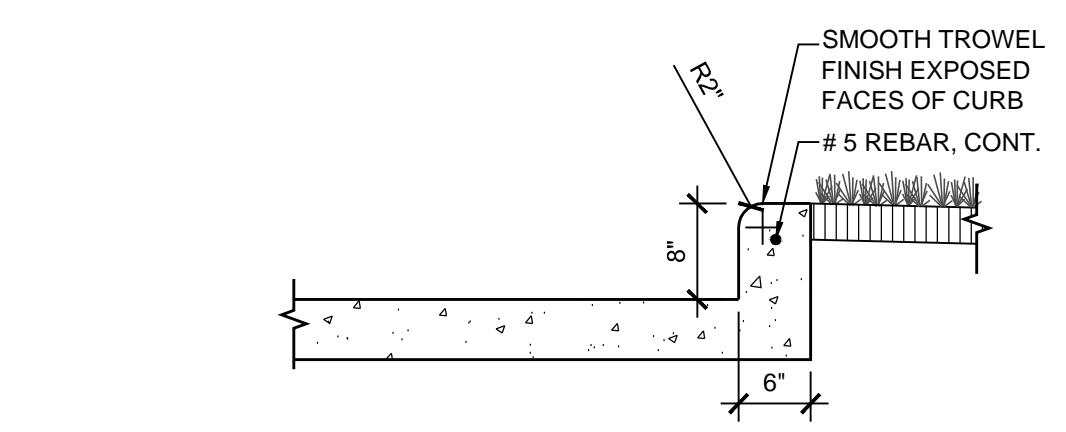
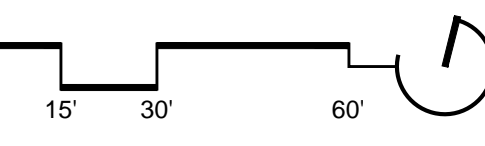
# Baltimore City Public Schools Additions & Renovations at Robert Poole Building #056

1300 W 36TH ST., BALTIMORE, MD 21211

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO. 881  
EXPIRATION DATE: 02/11/17



1 SITE PLAN  
1" = 20'



2 LANDSCAPE CURB  
3/4" = 1'-0"

**LEGEND**

- PROPERTY LINE
- - - - - LIMIT OF DISTURBANCE (LOD)
- - - - - TREE PROTECTION FENCING (TPF)
- - - - - EXISTING FENCE
- - - - - PROPOSED FENCE
- - - - - EXPANSION JOINT
- - - - - TOOLED JOINT
- PA PLANTING AREA
- (C) EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE (CRZ)

**HARDSCAPE KEY**

PAVING

- P1 SCORED CONCRETE PAVEMENT  
SEE CIVIL DOCS FOR SECTION. MEDIUM BROOM  
FINISH PERPENDICULAR TO EDGE OF WALK
- P2 UNIT PAVERS (PEDESTRIAN), TYPES A, B, C, D

SITE AMENITIES

- B1 BACKLESS BENCH
- BP BRICK PIER TYPE A
- BP BRICK PIER TYPE B
- F1 CHAIN LINK FENCE
- F2 ORNAMENTAL FENCE
- R RUNNEL
- S1 CONCRETE STAIRS WITH HANDRAIL
- W1 EXISTING WALL; SEE CIVIL FOR EXTENTS.  
SEE DETAIL 2/L1.04 FOR FINISH

**NOTES:**

- SEE CIVIL DRAWINGS FOR STORMWATER MANAGEMENT INFORMATION AND LAYOUT OF PAVEMENT
- SEE MEP DRAWINGS FOR SITE LIGHTING LAYOUT, TYPES, AND MOUNTING
- SEE SHEET L2.01 FOR PLANTING PLAN
- CONTRACTOR IS TO COORDINATE WITH MSA AND BALTIMORE CITY SCHOOLS FOR PROPER NOTIFICATION / COMMUNICATION WITH ADJACENT HOMEOWNERS PRIOR TO COMMENCING WORK.
- FOUNDINGS AND REINFORCING PER STRUCTURAL ENGINEER REVIEW ON 10 MARCH 2016

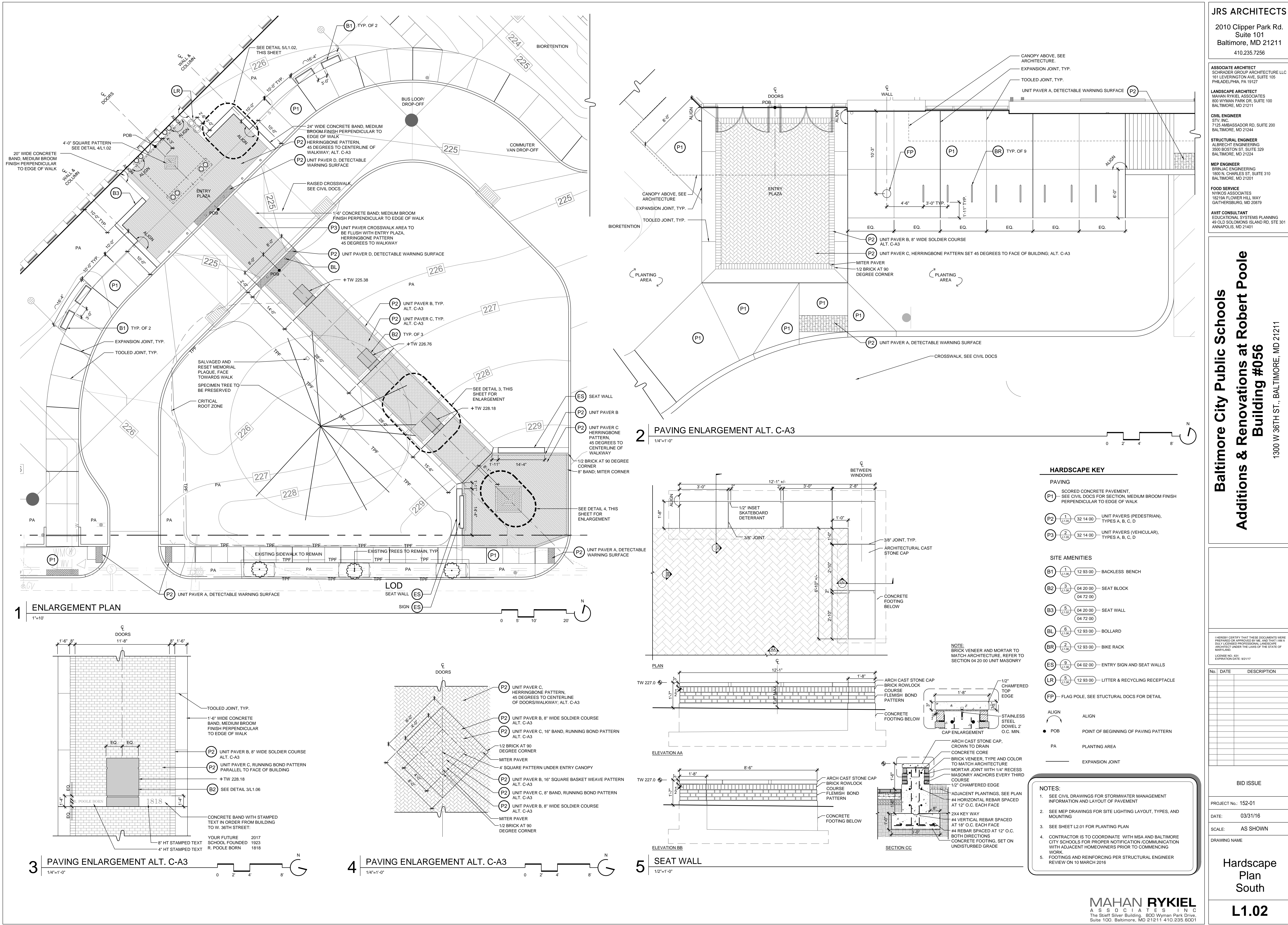
No.	DATE	DESCRIPTION

**BID ISSUE**

PROJECT No.: 152-01  
DATE: 03/31/16  
SCALE: AS SHOWN  
DRAWING NAME

**Hardscape  
Site Plan**

**L1.01**



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**LANDSCAPE ARCHITECT**  
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**MEP ENGINEER**  
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**FOOD SERVICE**  
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**AVIT CONSULTANT**  
EDUCATIONAL SYSTEMS PLANNING  
49 OLD SOLOMONS ISLAND RD, STE. 301  
ANNAPOLIS, MD 21401

**Baltimore City Public Schools**  
**Additions & Renovations at Robert Poole**  
**Building #056**  
1300 W 36TH ST., BALTIMORE, MD 21211

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LICENSE NO. 831  
EXPIRATION DATE: 02/17

No.	DATE	DESCRIPTION

**BID ISSUE**

PROJECT No.: 152-01  
DATE: 03/31/16  
SCALE: AS SHOWN  
DRAWING NAME

**Hardscape Plan**  
**South**  
**L1.02**

**HARDSCAPE KEY**

**PAVING**  
**P1** SCORED CONCRETE PAVEMENT, SEE CIVIL DOCS FOR SECTION, MEDIUM BROOM FINISH PERPENDICULAR TO EDGE OF WALK  
**P2** UNIT PAVERS (PEDESTRIAN), TYPES A, B, C, D  
**P3** UNIT PAVERS (VEHICULAR), TYPES A, B, C, D

**SITE AMENITIES**

- B1** BACKLESS BENCH
- B2** SEAT BLOCK
- B3** SEAT WALL
- BL** BOLLARD
- BR** BIKE RACK
- ES** ENTRY SIGN AND SEAT WALLS
- LR** LITTER & RECYCLING RECEPTACLE
- FP** FLAG POLE, SEE STRUCTURAL DOCS FOR DETAIL

- ALIGN** ALIGN
- POB** POINT OF BEGINNING OF PAVING PATTERN
- PA** PLANTING AREA
- EXP** EXPANSION JOINT

- NOTES:**
- SEE CIVIL DRAWINGS FOR STORMWATER MANAGEMENT INFORMATION AND LAYOUT OF PAVEMENT
  - SEE MEP DRAWINGS FOR SITE LIGHTING LAYOUT, TYPES, AND MOUNTING
  - SEE SHEET L2.01 FOR PLANTING PLAN
  - CONTRACTOR IS TO COORDINATE WITH MSA AND BALTIMORE CITY SCHOOLS FOR PROPER NOTIFICATION / COMMUNICATION WITH ADJACENT HOMEOWNERS PRIOR TO COMMENCING WORK
  - FOOTINGS AND REINFORCING PER STRUCTURAL ENGINEER REVIEW ON 10 MARCH 2016

**PAVING ENLARGEMENT ALT. C-A3**

1"=10'

**TOOLED JOINT, TYP.**  
 1'-6" WIDE CONCRETE BAND, MEDIUM BROOM FINISH PERPENDICULAR TO EDGE OF WALK  
**P2** UNIT PAVER B, 8" WIDE SOLDIER COURSE ALT. C-A3  
**P2** UNIT PAVER C, RUNNING BOND PATTERN PARALLEL TO FACE OF BUILDING  
 + TW 228.18  
**B2** SEE DETAIL 3/L1.06  
 CONCRETE BAND WITH STAMPED TEXT IN ORDER FROM BUILDING TO W. 36TH STREET:  
 YOUR FUTURE 2017  
 SCHOOL FOUNDED 1923  
 R. POOLE BORN 1818  
 8" HT STAMPED TEXT  
 4" HT STAMPED TEXT

**PAVING ENLARGEMENT ALT. C-A3**

1/4"=1'-0"

**UNIT PAVER C, HERRINGBONE PATTERN, 45 DEGREES TO CENTERLINE OF WALKWAY; ALT. C-A3**  
**UNIT PAVER B, 8" WIDE SOLDIER COURSE ALT. C-A3**  
**UNIT PAVER C, 16" BAND, RUNNING BOND PATTERN ALT. C-A3**  
 1/2 BRICK AT 90 DEGREE CORNER  
 MITER PAVER  
 4" SQUARE PATTERN UNDER ENTRY CANOPY  
**UNIT PAVER B, 16" SQUARE BASKET WEAVE PATTERN ALT. C-A3**  
**UNIT PAVER C, 8" BAND, RUNNING BOND PATTERN ALT. C-A3**  
**UNIT PAVER B, 8" WIDE SOLDIER COURSE ALT. C-A3**  
 MITER PAVER  
 1/2 BRICK AT 90 DEGREE CORNER

**SEAT WALL**

1/2"=1'-0"

**ARCH CAST STONE CAP**  
 BRICK ROWLOCK COURSE  
 FLEMISH BOND PATTERN  
 CONCRETE FOOTING BELOW  
 ARCH CAST STONE CAP, CROWN TO DRAIN  
 CONCRETE CORE  
 BRICK VENEER, TYPE AND COLOR TO MATCH ARCHITECTURE  
 MORTAR JOINT WITH 1/4" RECESS MASONRY ANCHORS EVERY THIRD COURSE  
 1/2" CHAMFERED EDGE  
 ADJACENT PLANTINGS, SEE PLAN  
 #4 HORIZONTAL REBAR SPACED AT 12" O.C. EACH FACE  
 #4 VERTICAL REBAR SPACED AT 18" O.C. EACH FACE  
 #4 REBAR SPACED AT 12" O.C. BOTH DIRECTIONS  
 CONCRETE FOOTING, SET ON UNDISTURBED GRADE

**PAVING ENLARGEMENT ALT. C-A3**

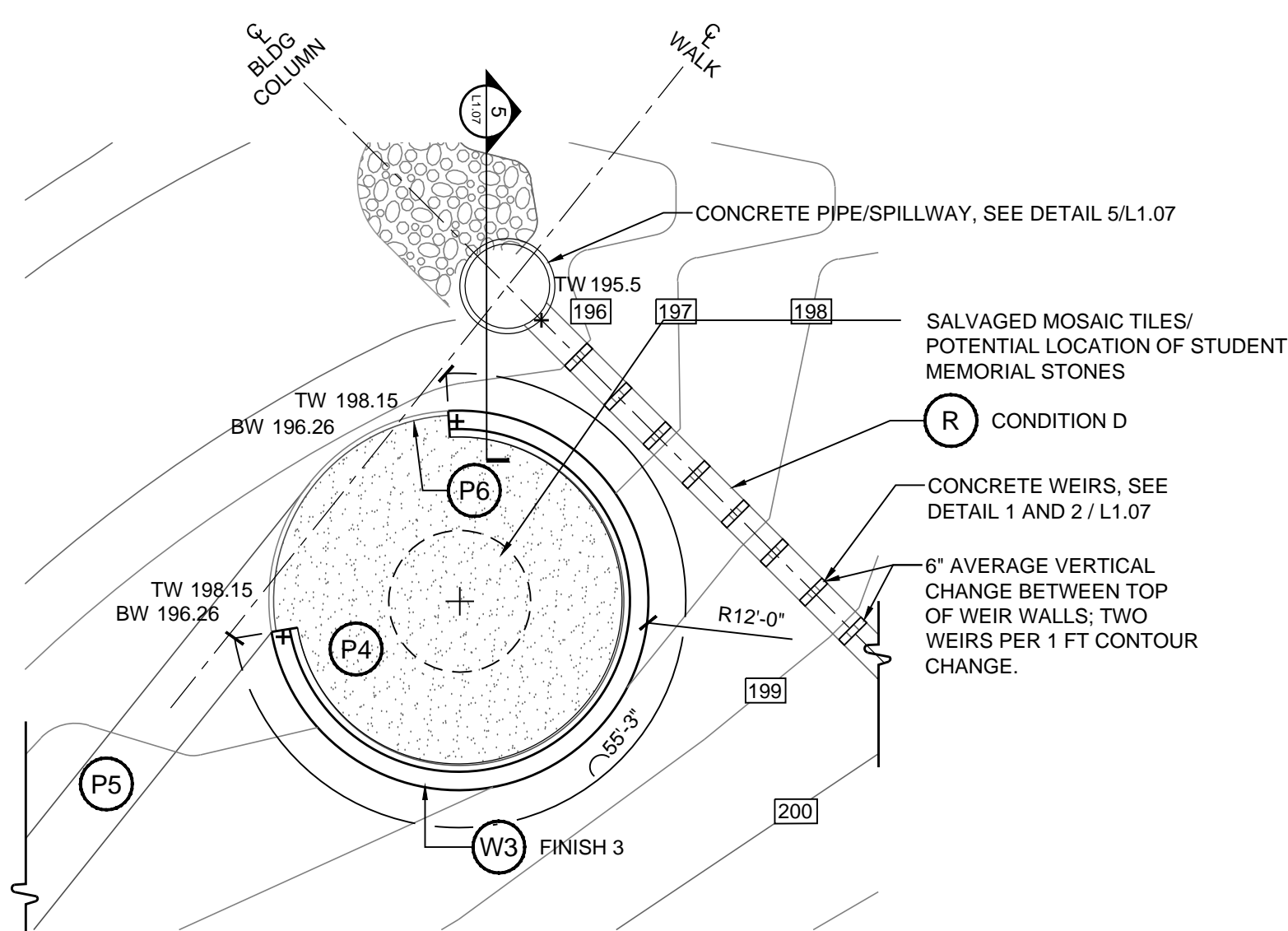
1/4"=1'-0"

**UNIT PAVER B, 8" WIDE SOLDIER COURSE ALT. C-A3**  
**UNIT PAVER C, HERRINGBONE PATTERN, 45 DEGREES TO CENTERLINE OF WALKWAY; ALT. C-A3**  
**UNIT PAVER B, 8" WIDE SOLDIER COURSE ALT. C-A3**  
 1/2 BRICK AT 90 DEGREE CORNER  
 MITER PAVER  
 1/2 BRICK AT 90 DEGREE CORNER  
 8" BAND, MITER CORNER

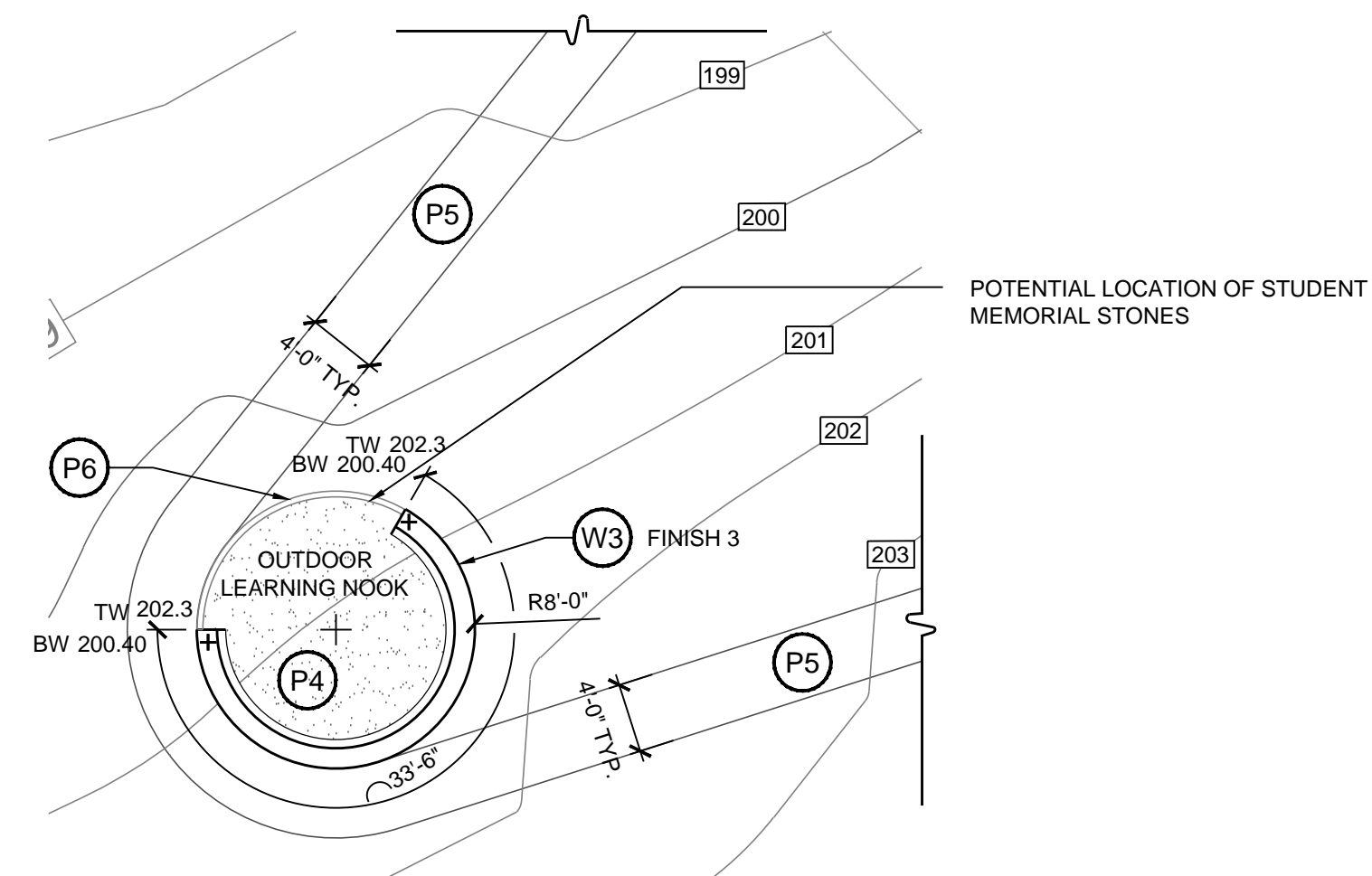
**SEAT WALL**

1/2"=1'-0"

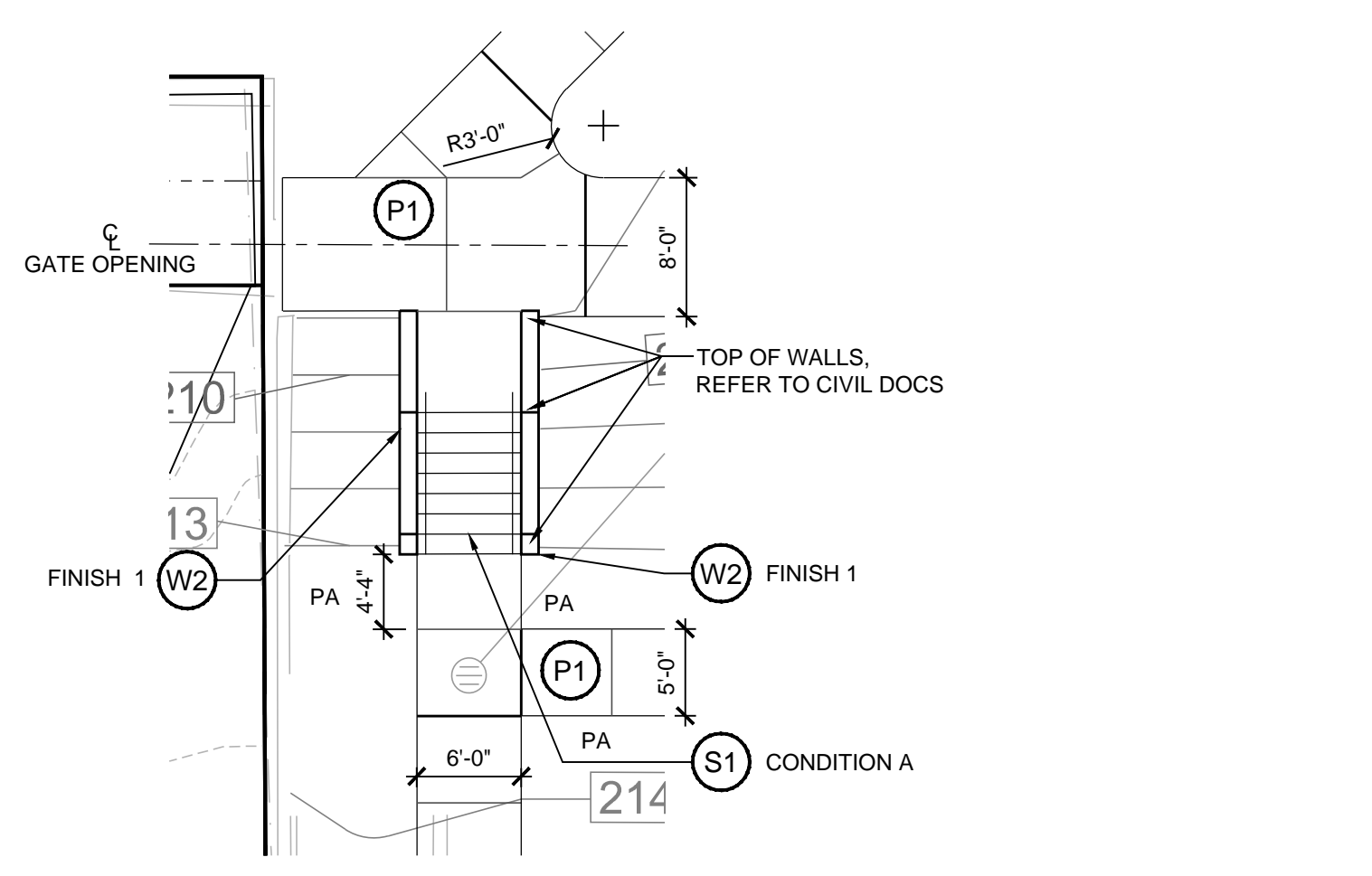
**MAHAN RYKIEL ASSOCIATES INC.**  
The Steel Silver Building, 800 Wyman Park Drive, Suite 100, Baltimore, MD 21211 410.235.6001



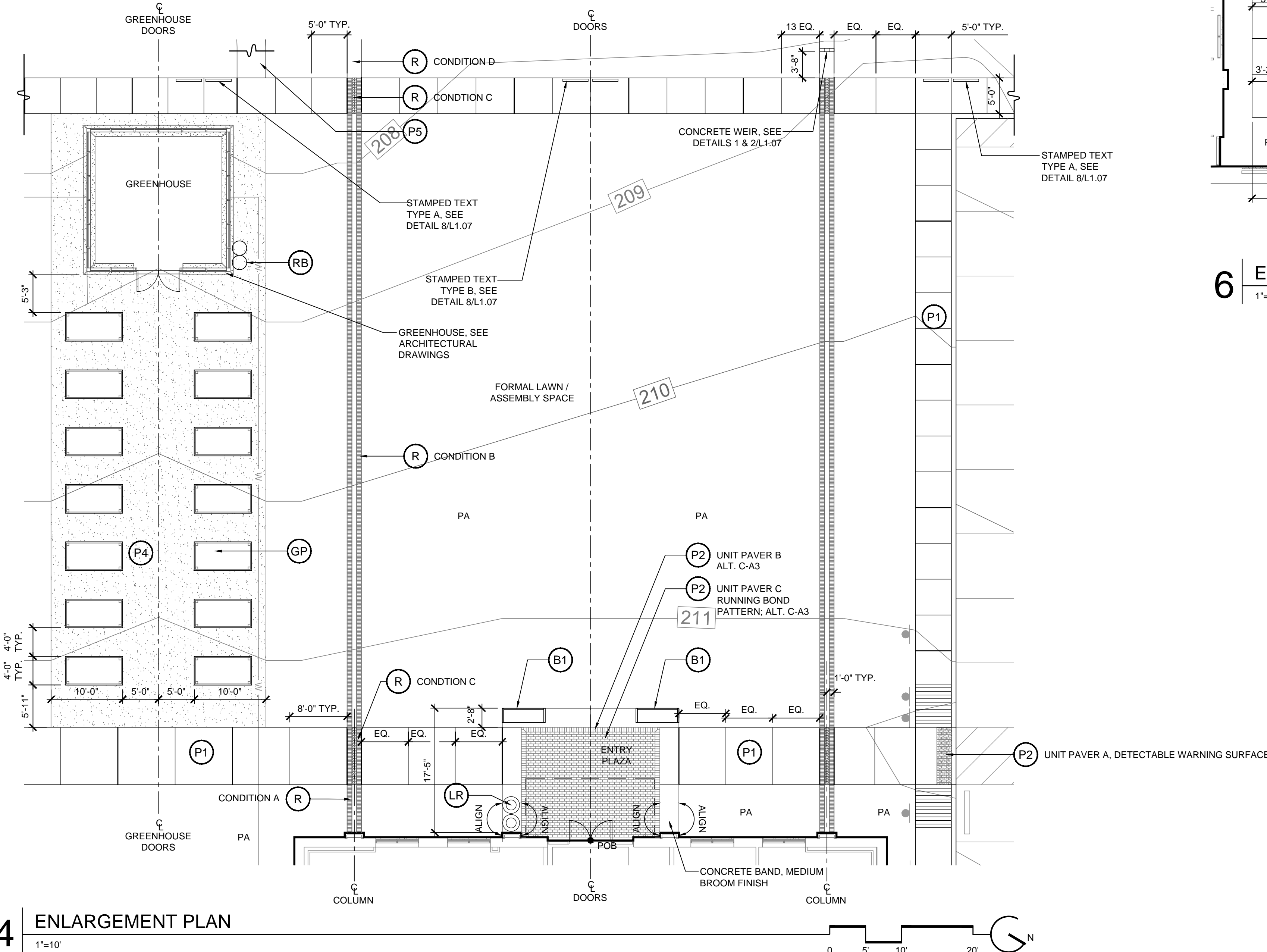
1 ENLARGEMENT PLAN ALT. C-A2  
1"=10'



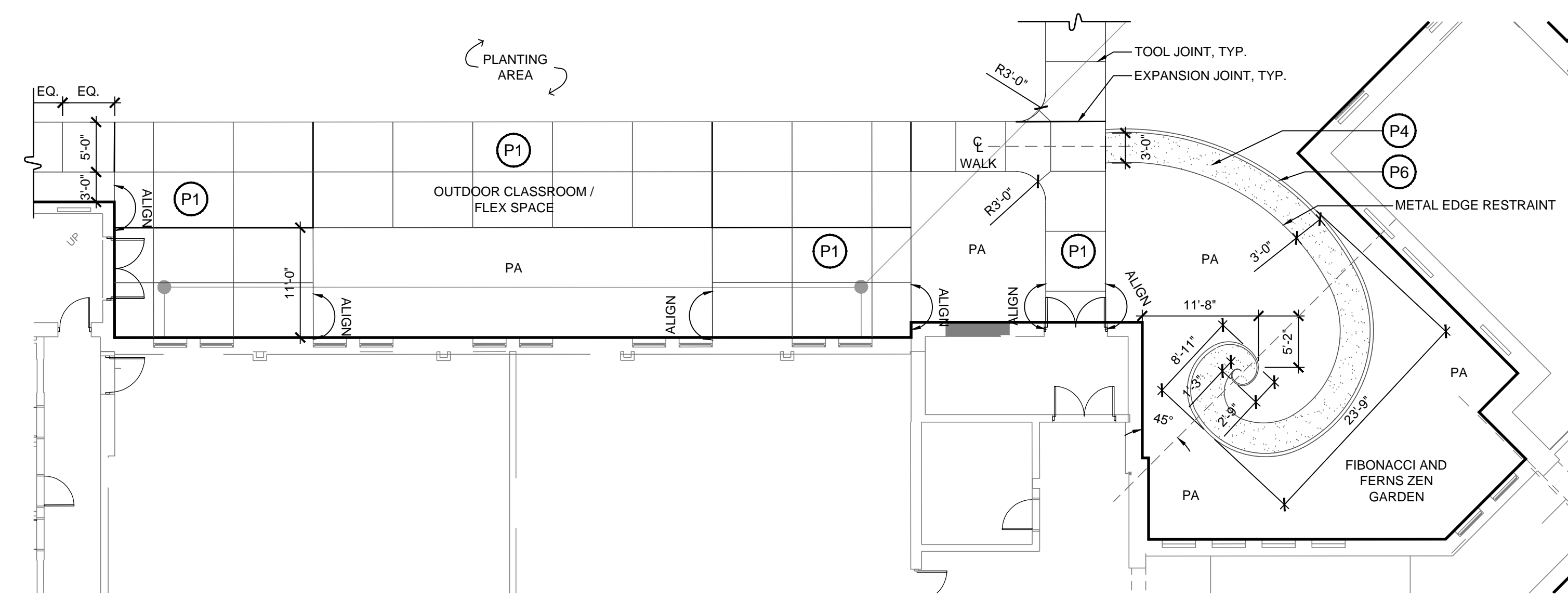
2 ENLARGEMENT PLAN ALT. C-A2  
1"=10'



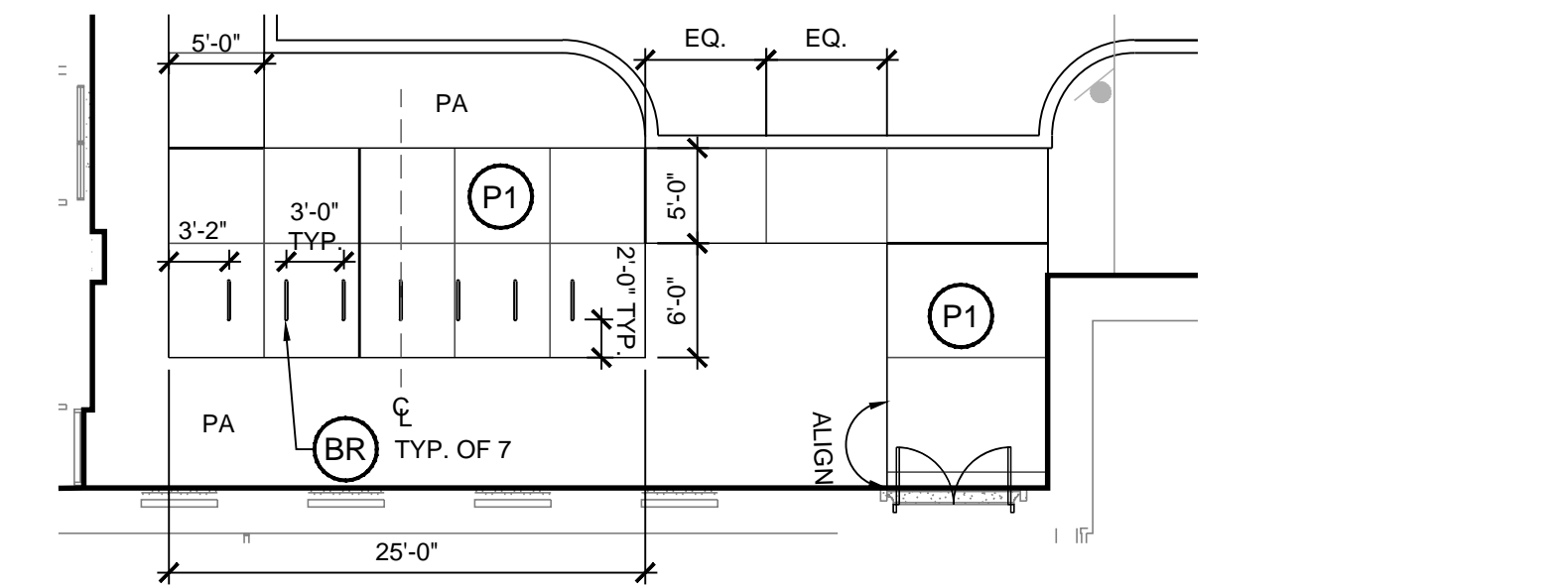
3 ENLARGEMENT PLAN  
1"=10'



4 ENLARGEMENT PLAN  
1"=10'



5 ENLARGEMENT PLAN  
1"=10'



6 ENLARGEMENT PLAN  
1"=10'

**NOTES:**

- SEE CIVIL DRAWINGS FOR STORMWATER MANAGEMENT INFORMATION AND LAYOUT OF PAVEMENT
- SEE MEP DRAWINGS FOR SITE LIGHTING LAYOUT, TYPES, AND MOUNTING
- SEE SHEET L2.01 FOR PLANTING PLAN
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- FOOTINGS AND REINFORCING PER STRUCTURAL ENGINEER REVIEW ON 10 MARCH 2016

**HARDSCAPE KEY**

- PAVING**
- P1 SCORED CONCRETE PAVEMENT - SEE CIVIL DOCS FOR SECTION, MEDIUM BROOM FINISH PERPENDICULAR TO EDGE OF WALK
  - P2 UNIT PAVERS (PEDESTRIAN), TYPES A,B,C,D
  - P3 UNIT PAVERS (VEHICULAR), TYPES A,B,C,D
  - P4 CRUSHED STONE PAVING
  - P5 ENGINEERED MULCH SURFACING
  - P6 STONE EDGE
- STAIRS & WALLS**
- S1 CONCRETE STAIRS WITH HANDRAIL
  - W2 PROPOSED WALL. SEE STRUCTURAL FOR REINFORCING AND CIVIL FOR EXTENTS. SEE DETAIL 3/L1.04 FOR FINISH
  - W3 PROPOSED CURVED SEAT WALL; SEE STRUCTURAL FOR REINFORCING AND CIVIL FOR EXTENTS. SEE DETAIL 3/L1.04 FOR FINISH
- SITE AMENITIES**
- B1 BACKLESS BENCH
  - BR BIKE RACK
  - GP RAISED GARDEN PLANTER
  - LR LITTER & RECYCLING RECEPTACLE
  - R RUNNEL
  - RB RAIN BARREL

- ALIGN ALIGN
- POB POINT OF BEGINNING
- PA PLANTING AREA
- EXPANSION JOINT EXPANSION JOINT

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LICENSE NO. 031  
EXPIRATION DATE: 9/21/17

No.	DATE	DESCRIPTION

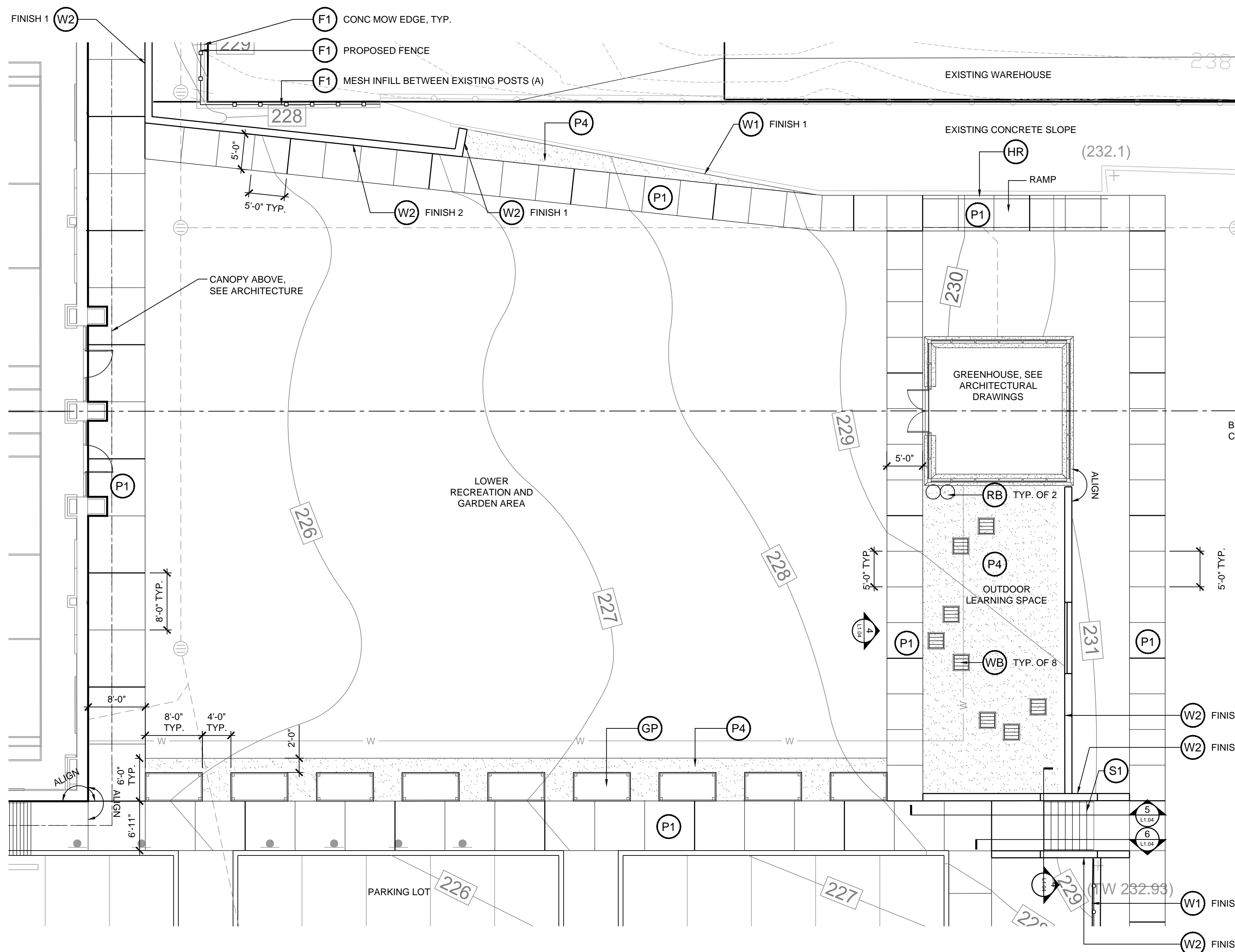
**BID ISSUE**

PROJECT No.: 152-01  
DATE: 03/31/16  
SCALE: AS SHOWN  
DRAWING NAME

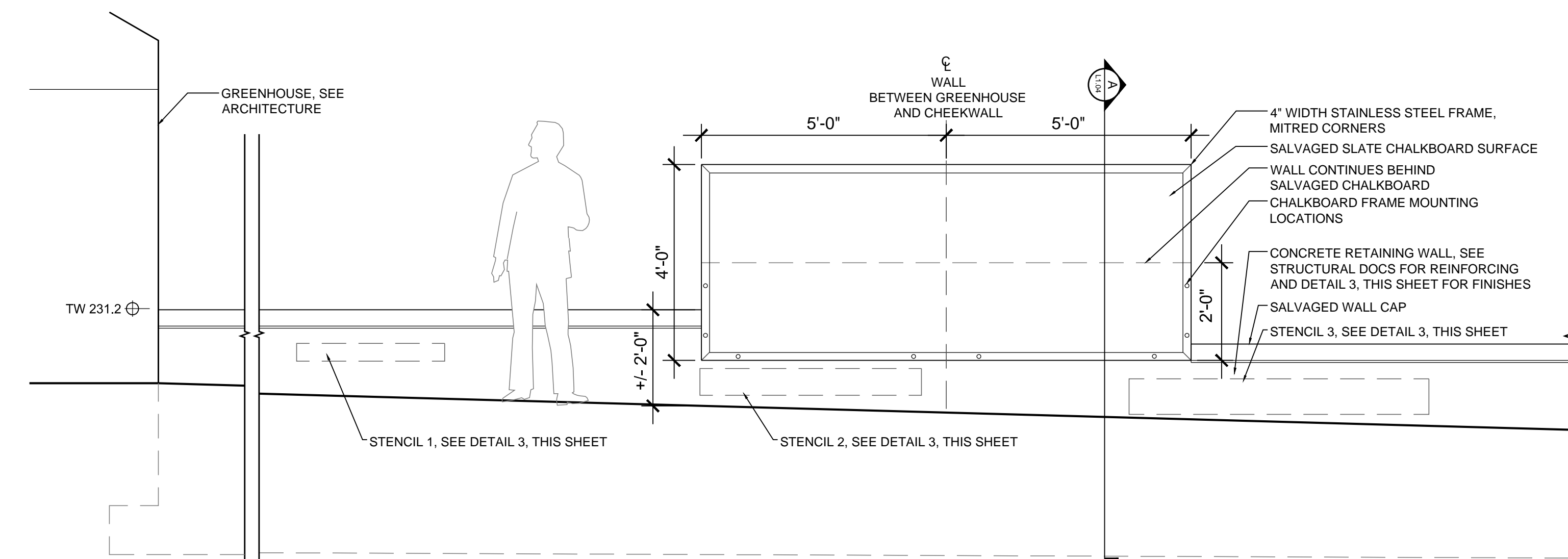
**Hardscape Plan**  
**North**  
**L1.03**

**MAHAN RYKIEL ASSOCIATES INC.**  
The Siefert Silver Building, 800 Wyman Park Drive,  
Suite 100, Baltimore, MD 21211 410.235.6001

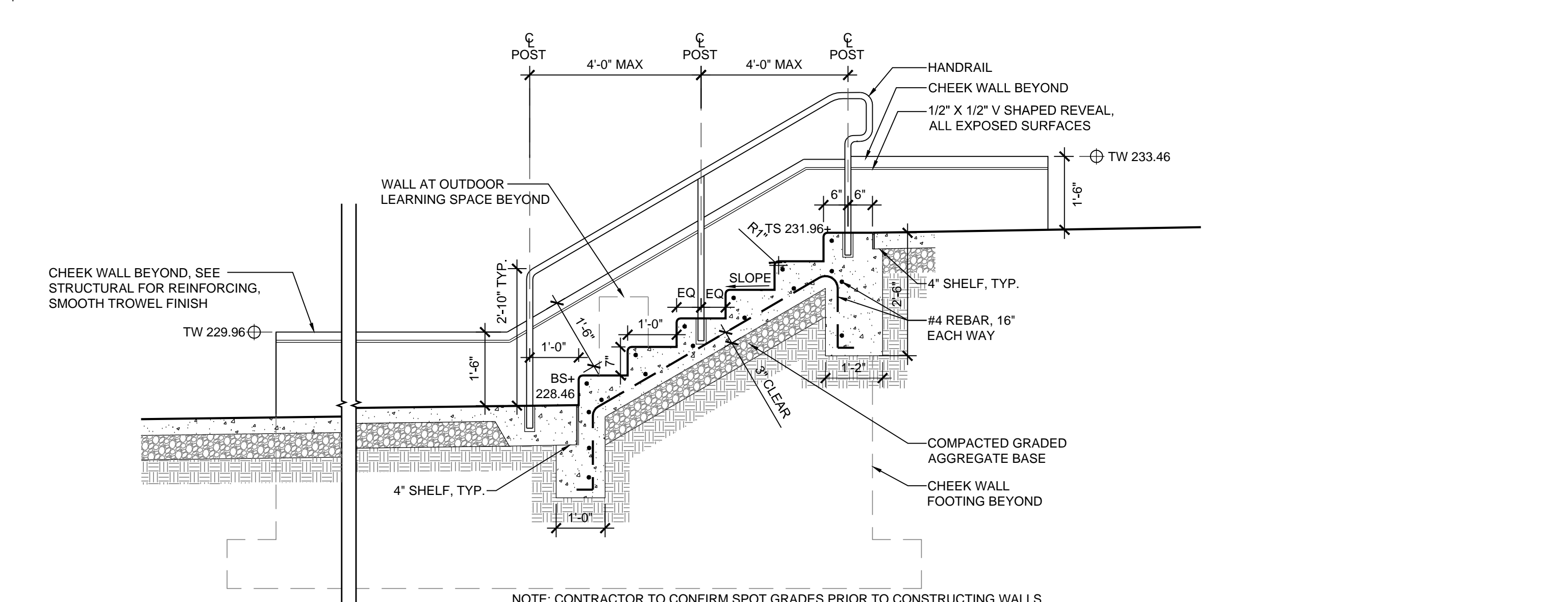
1/6/2016 8:48:54 AM



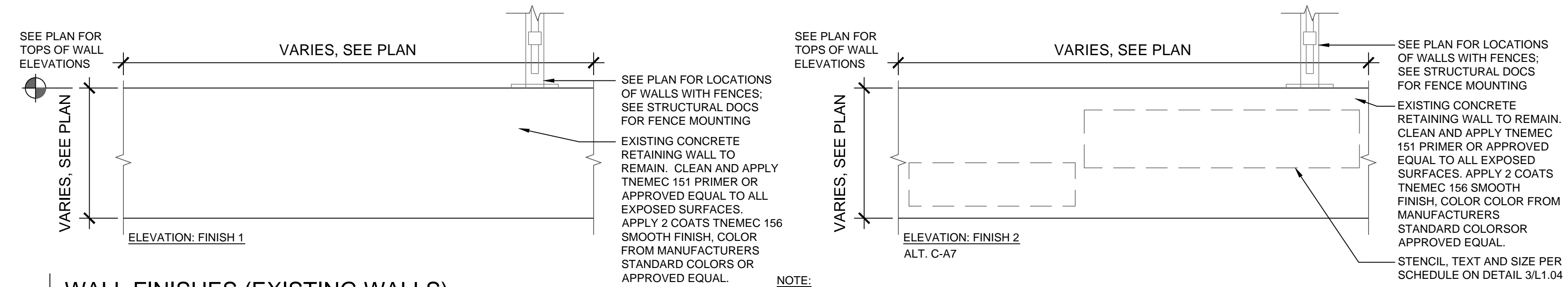
1 ENLARGEMENT PLAN  
1"=10'



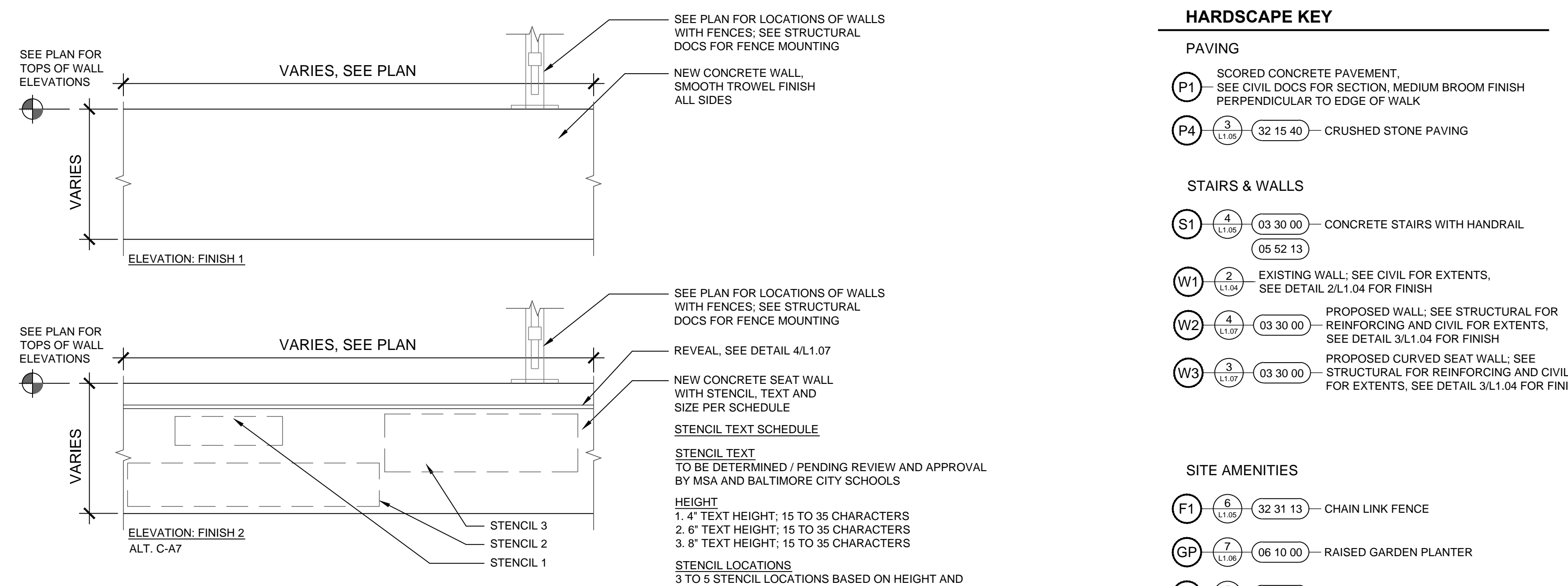
4 OUTDOOR LEARNING SPACE ELEVATION/SECTION  
1/2"=1'-0"



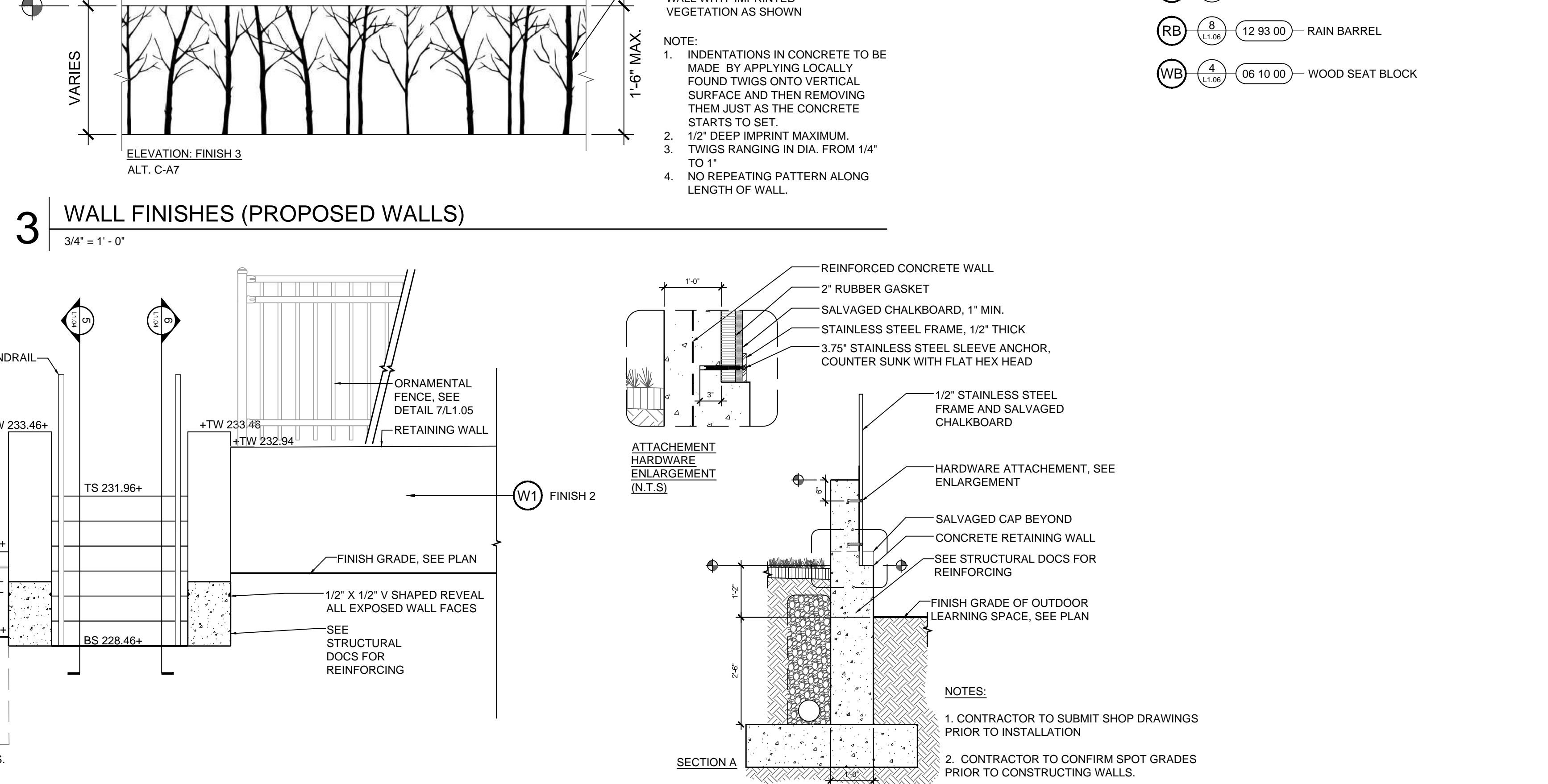
5 EAST SIDE STAIRS NORTH FACE  
1/2"=1'-0"



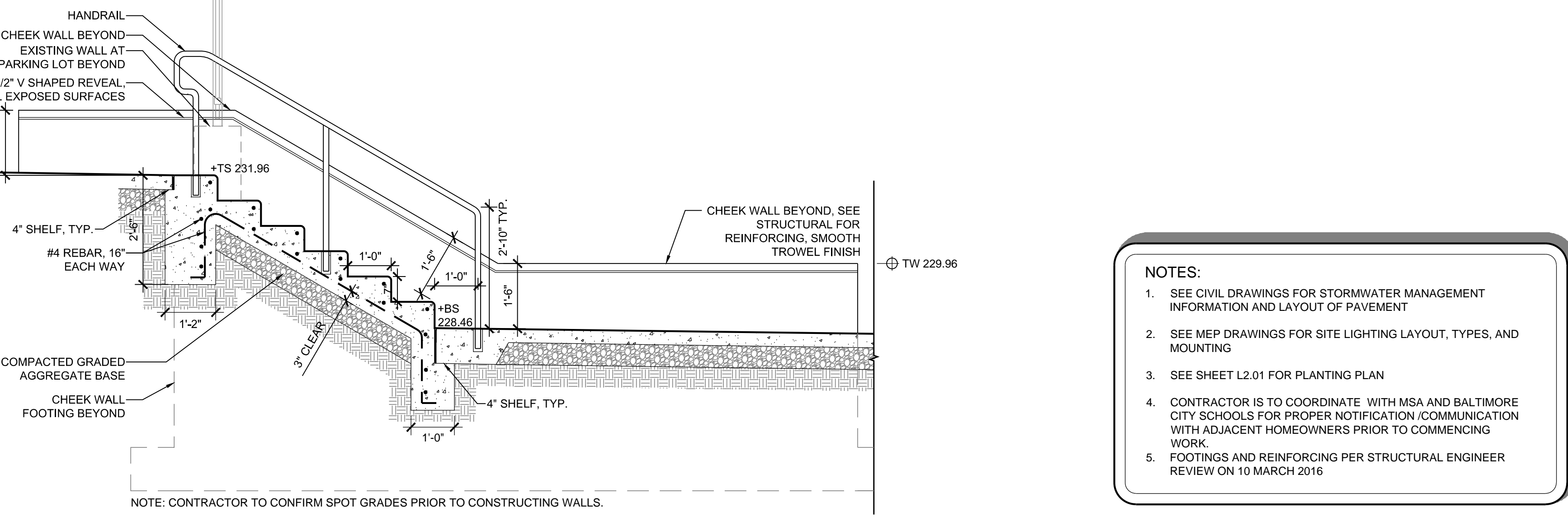
2 WALL FINISHES (EXISTING WALLS)  
3/4" = 1'-0"



3 WALL FINISHES (PROPOSED WALLS)  
3/4" = 1'-0"



ATTACHMENT HARDWARE ENLARGEMENT (N.T.S.)



6 EAST SIDE STAIRS SOUTH FACE  
1/2"=1'-0"

- NOTES:**
- SEE CIVIL DRAWINGS FOR STORMWATER MANAGEMENT INFORMATION AND LAYOUT OF PAVEMENT
  - SEE MEP DRAWINGS FOR SITE LIGHTING LAYOUT, TYPES, AND MOUNTING
  - SEE SHEET L2.01 FOR PLANTING PLAN
  - CONTRACTOR IS TO COORDINATE WITH MSA AND BALTIMORE CITY SCHOOLS FOR PROPER NOTIFICATION/COMMUNICATION WITH ADJACENT HOMEOWNERS PRIOR TO COMMENCING WORK.
  - FOOTINGS AND REINFORCING PER STRUCTURAL ENGINEER REVIEW ON 10 MARCH 2016

- HARDSCAPE KEY**
- PAVING**
- P1 SCORED CONCRETE PAVEMENT. SEE CIVIL DOCS FOR SECTION, MEDIUM BROOM FINISH PERPENDICULAR TO EDGE OF WALK
  - PA CRUSHED STONE PAVING
- STAIRS & WALLS**
- S1 CONCRETE STAIRS WITH HANDRAIL
  - W1 EXISTING WALL. SEE CIVIL FOR EXTENTS, SEE DETAIL 24.1.04 FOR FINISH
  - W2 PROPOSED WALL. SEE STRUCTURAL FOR REINFORCING AND CIVIL FOR EXTENTS, SEE DETAIL 34.1.04 FOR FINISH
  - W3 PROPOSED CURVED SEAT WALL. SEE STRUCTURAL FOR REINFORCING AND CIVIL FOR EXTENTS, SEE DETAIL 34.1.04 FOR FINISH
- SITE AMENITIES**
- F1 CHAIN LINK FENCE
  - GP RAISED GARDEN PLANTER
  - HR RAMP HANDRAIL
  - LR LITTER & RECYCLING RECEPTACLE
  - RB RAIN BARREL
  - WB WOOD SEAT BLOCK

**JRS ARCHITECTS**  
2010 Clipper Park Rd.  
Suite 101  
Baltimore, MD 21211  
410.235.7256

**ASSOCIATE ARCHITECT**  
SCHRAMER GROUP ARCHITECTURE LLC  
161 LEVERINGTON AVE, SUITE 105  
PHILADELPHIA, PA 19127

**LANDSCAPE ARCHITECT**  
MAHAN RYKIEL ASSOCIATES  
800 WYMAN PARK DR, SUITE 100  
BALTIMORE, MD 21211

**CIVIL ENGINEER**  
STV, INC.  
7125 AMBASSADOR RD, SUITE 200  
BALTIMORE, MD 21244

**STRUCTURAL ENGINEER**  
ALBRECHT ENGINEERING  
3500 BOSTON ST, SUITE 329  
BALTIMORE, MD 21224

**MEP ENGINEER**  
BRUNAC ENGINEERING  
1800 N. CHARLES ST, SUITE 310  
BALTIMORE, MD 21201

**FOOD SERVICE**  
NYKOS ASSOCIATES  
1815A FLOWER HILL WAY  
GATHERSBURG, MD 20879

**AVIT CONSULTANT**  
EDUCATIONAL SYSTEMS PLANNING  
49 OLD SOLOMONS ISLAND RD, STE. 301  
ANNAPOLIS, MD 21401

**Baltimore City Public Schools**  
**Additions & Renovations at Robert Poole Building #056**  
1300 W 36TH ST., BALTIMORE, MD 21211

No.	DATE	DESCRIPTION

**BID ISSUE**

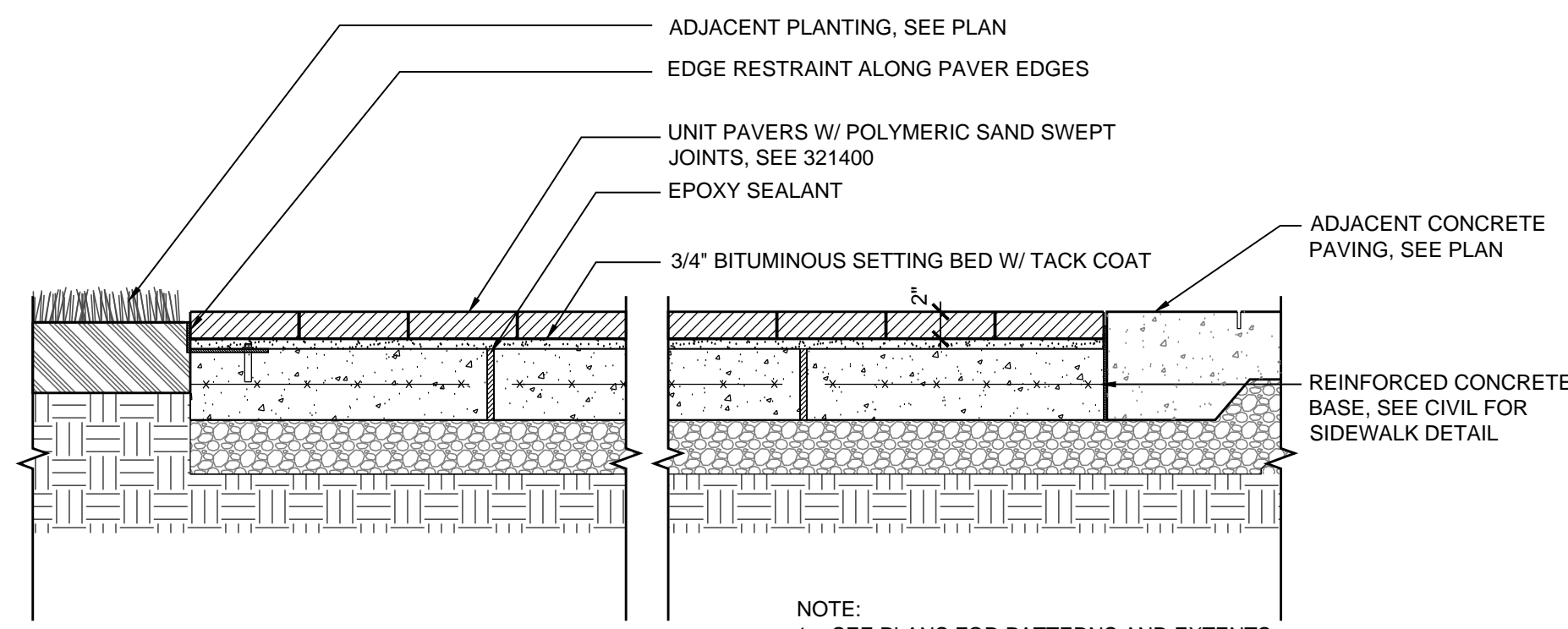
PROJECT No.: 152-01  
DATE: 03/31/16  
SCALE: AS SHOWN  
DRAWING NAME: Hardscape Plan East

**L1.04**

**MAHAN RYKIEL ASSOCIATES INC.**  
The Sieff Silver Building, 800 Wyman Park Drive,  
Suite 100, Baltimore, MD 21211 410.235.6001

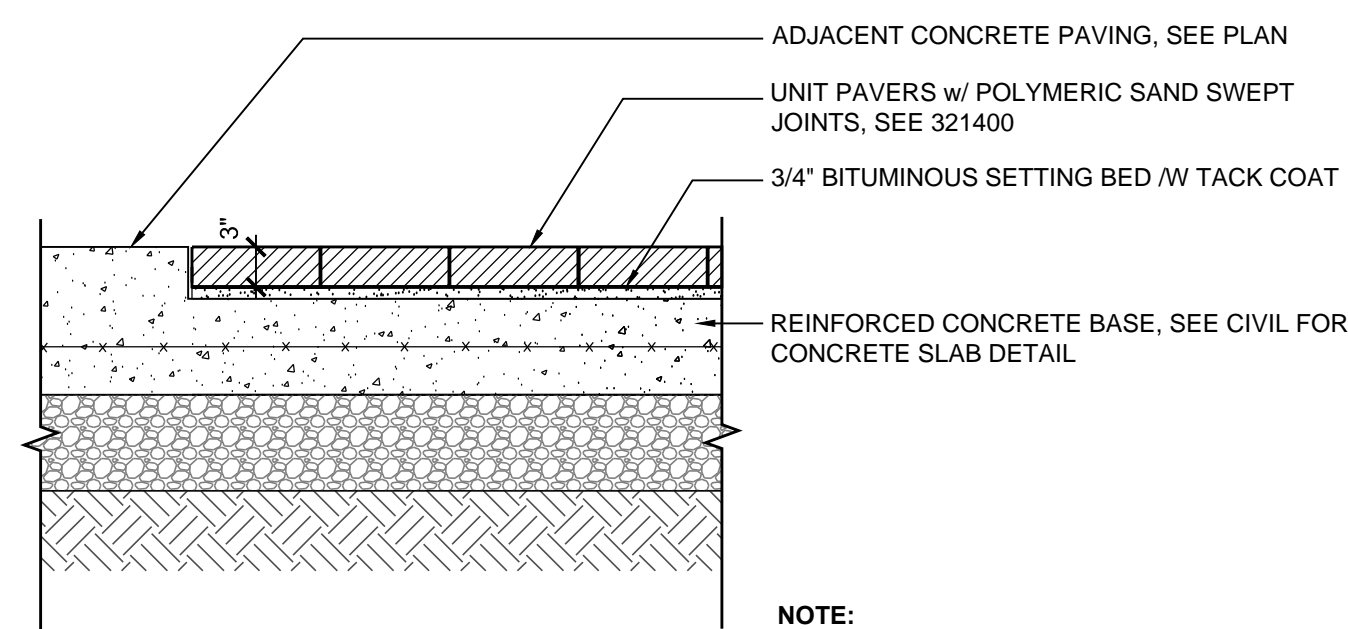
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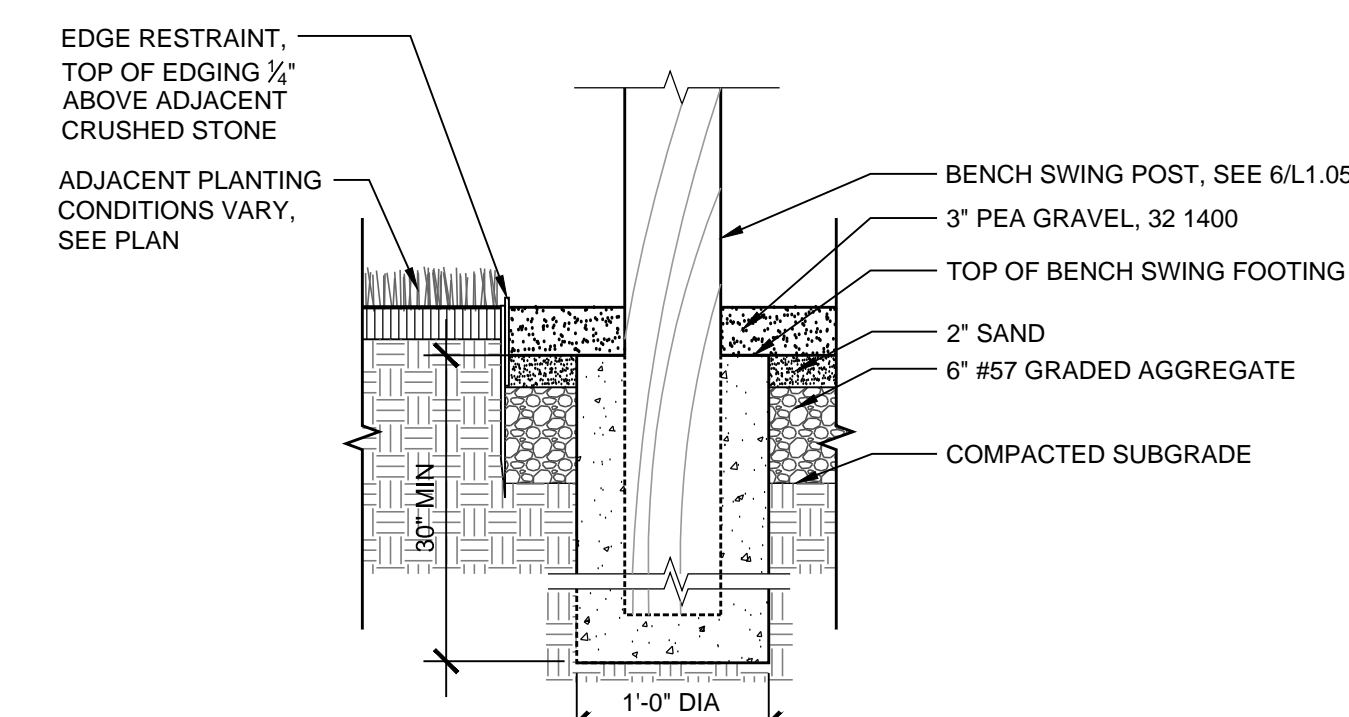
NOTE:  
1. SEE PLANS FOR PATTERNS AND EXTENTS  
2. SEE PLANS FOR EXPANSION JOINT LOCATIONS & EXTENTS

**1 UNIT PAVERS (PEDESTRIAN) ALT. C-A3**  
1"=1'-0"

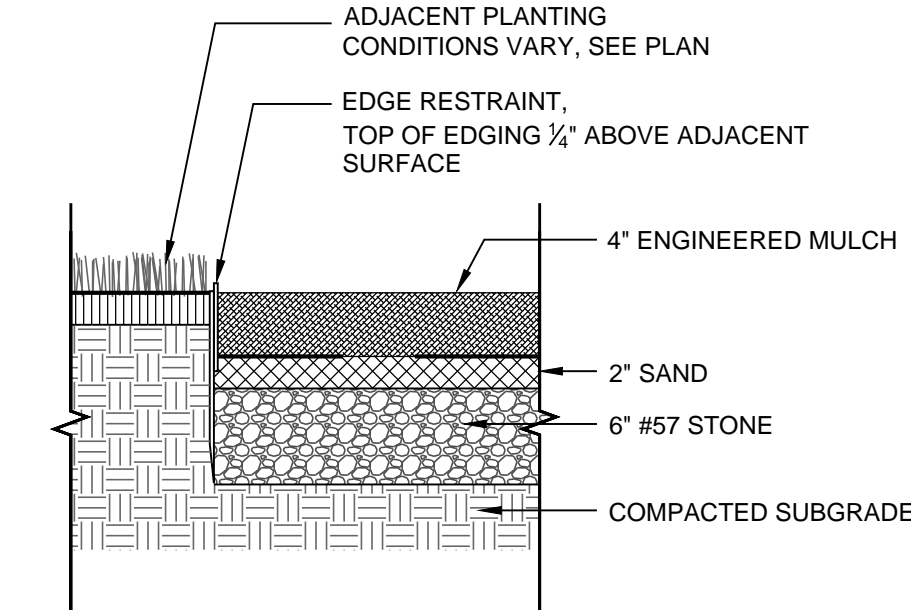


NOTE:  
1. SEE PLANS FOR PATTERNS AND EXTENTS  
2. SEE PLANS FOR EXPANSION JOINT LOCATIONS

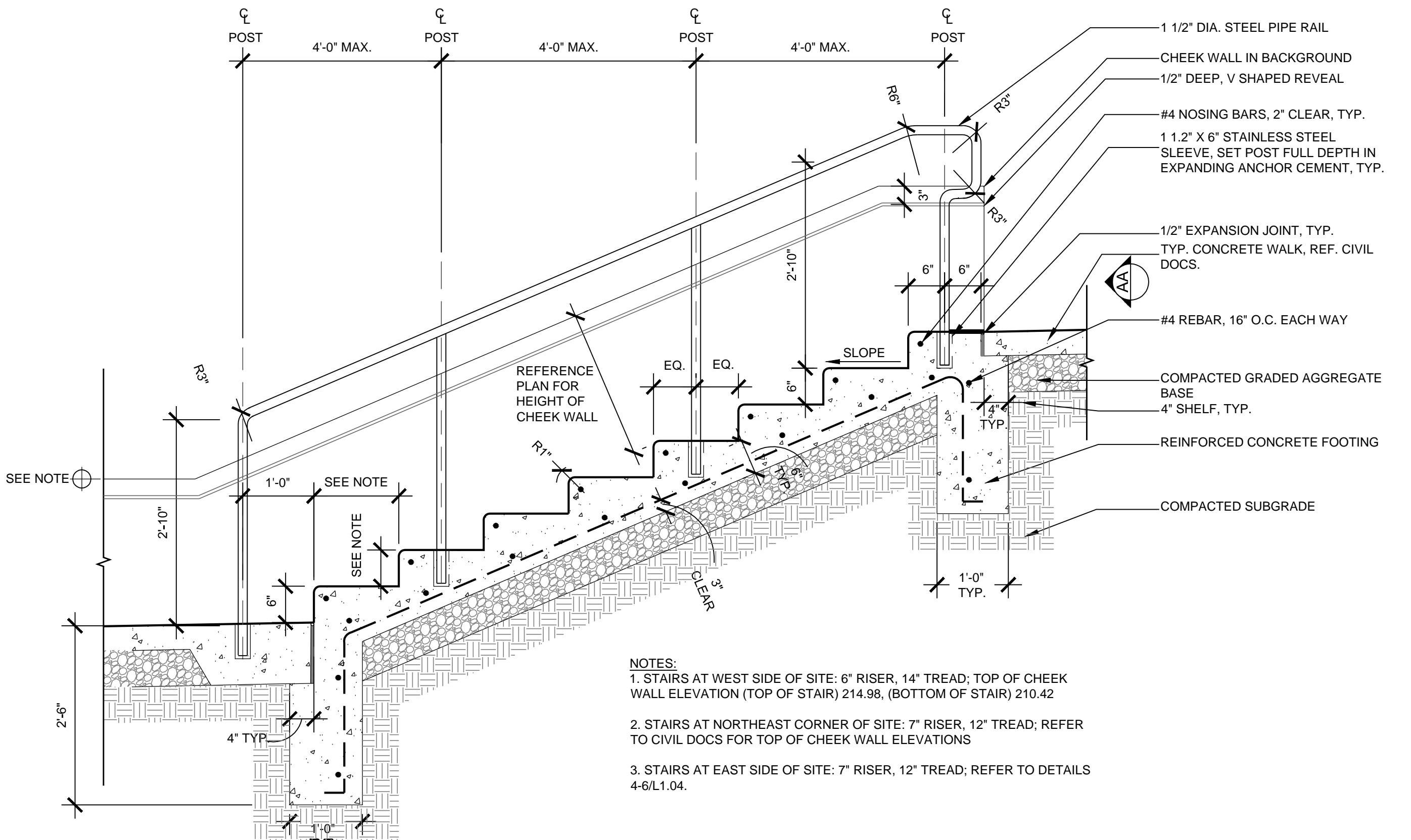
**2 UNIT PAVERS (VEHICULAR) ALT. C-A3**  
1"=1'-0"



**3 CRUSHED STONE PAVING ALT. C-A2**  
1"=1'-0"

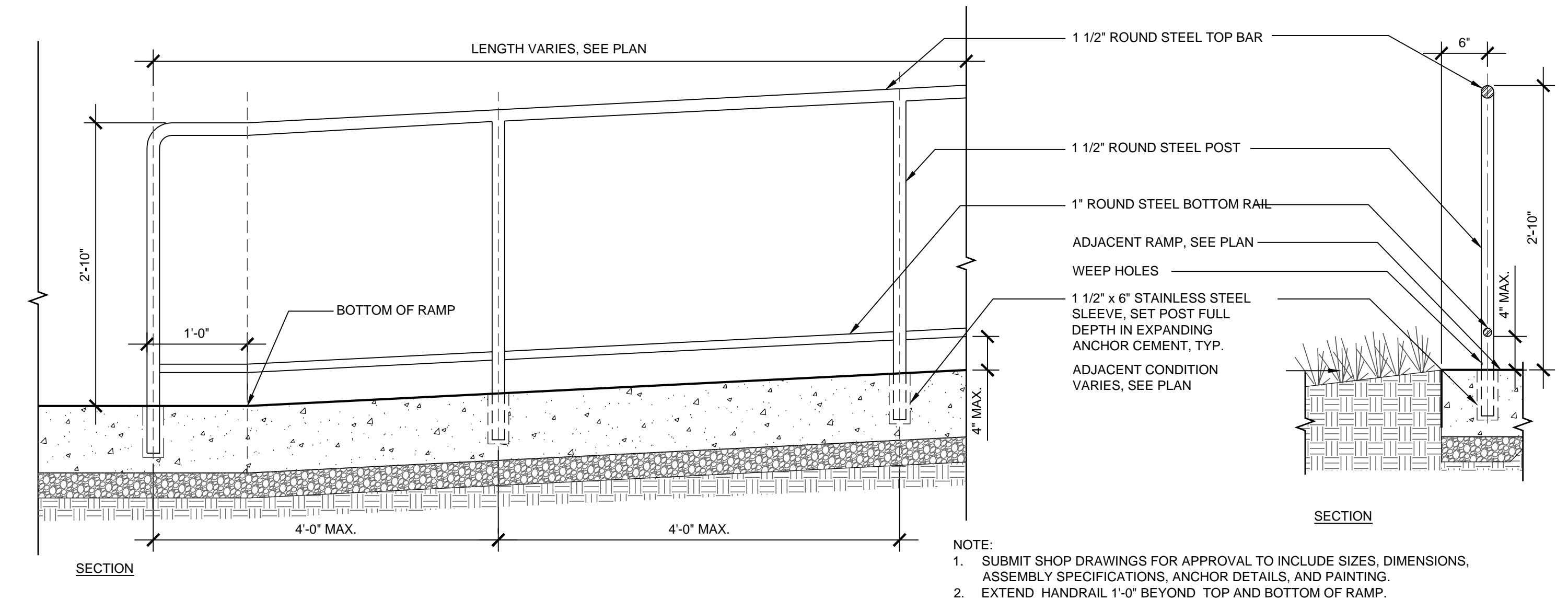


**4 ENGINEERED MULCH SURFACING ALT. C-A2**  
1"=1'-0"



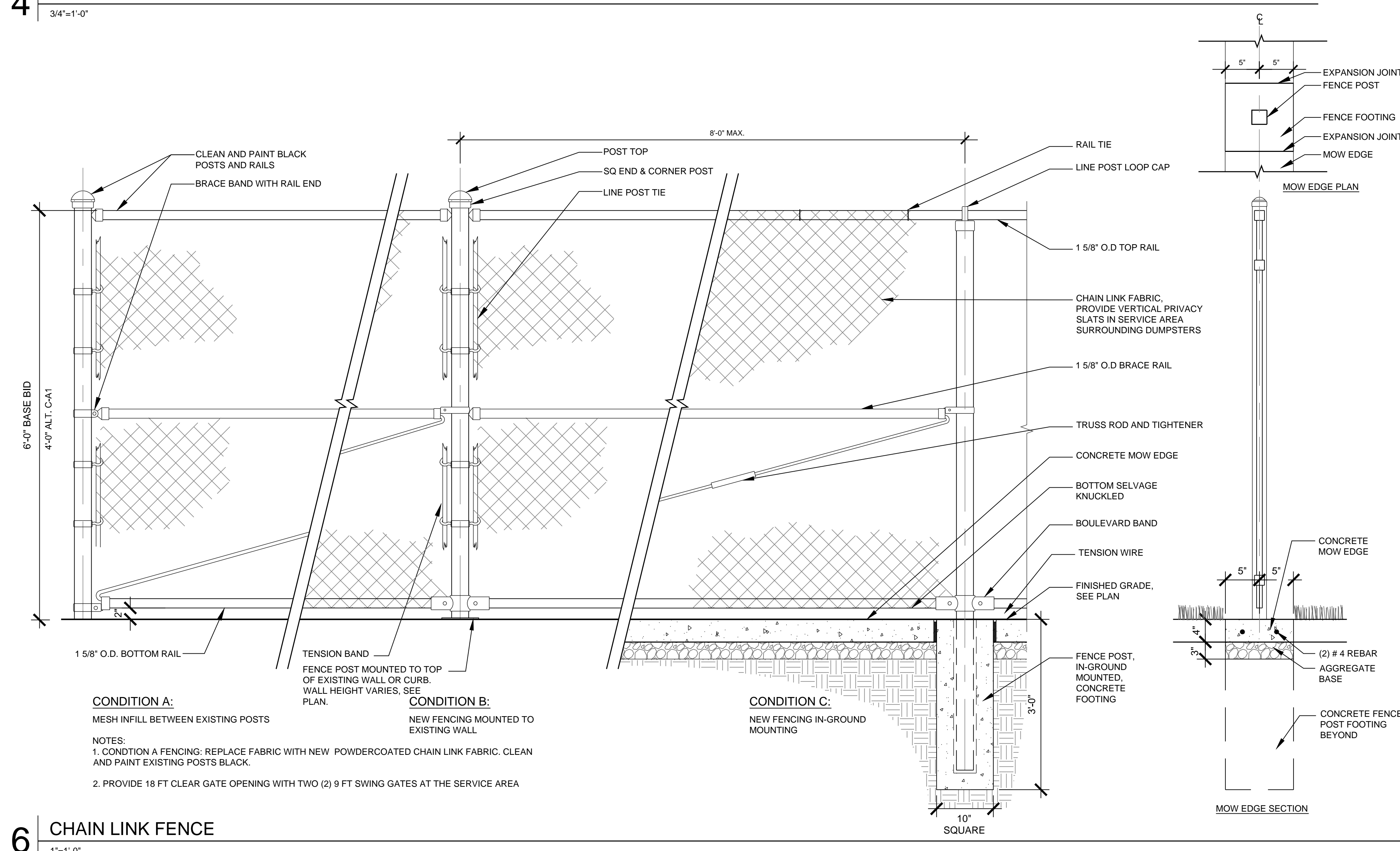
NOTES:  
1. STAIRS AT WEST SIDE OF SITE: 6\"/>

**4 CONCRETE STAIRS WITH HANDRAIL**  
3/4\"/>

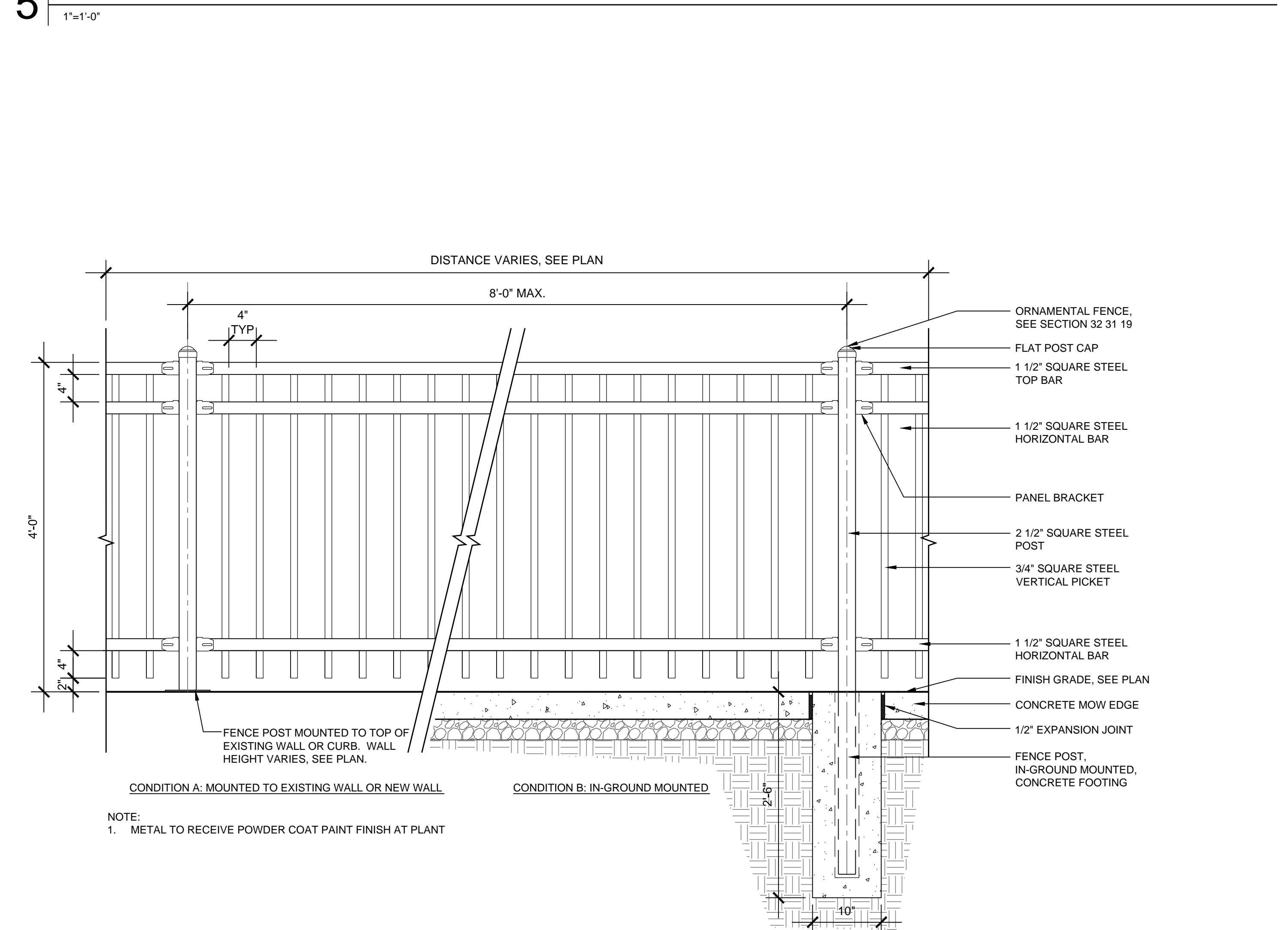


NOTE:  
1. SUBMIT SHOP DRAWINGS FOR APPROVAL TO INCLUDE SIZES, DIMENSIONS, ASSEMBLY SPECIFICATIONS, ANCHOR DETAILS, AND PAINTING.  
2. EXTEND HANDRAIL 1'-0\"/>

**5 RAMP HANDRAIL**  
1"=1'-0"



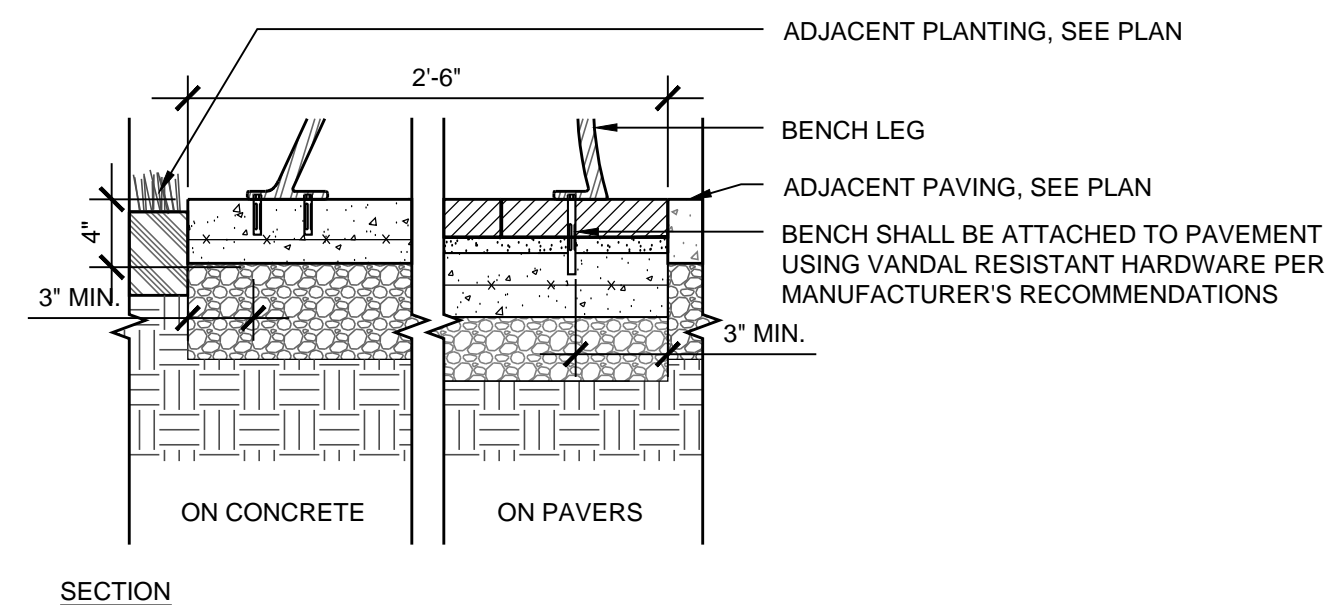
**6 CHAIN LINK FENCE**  
1"=1'-0"



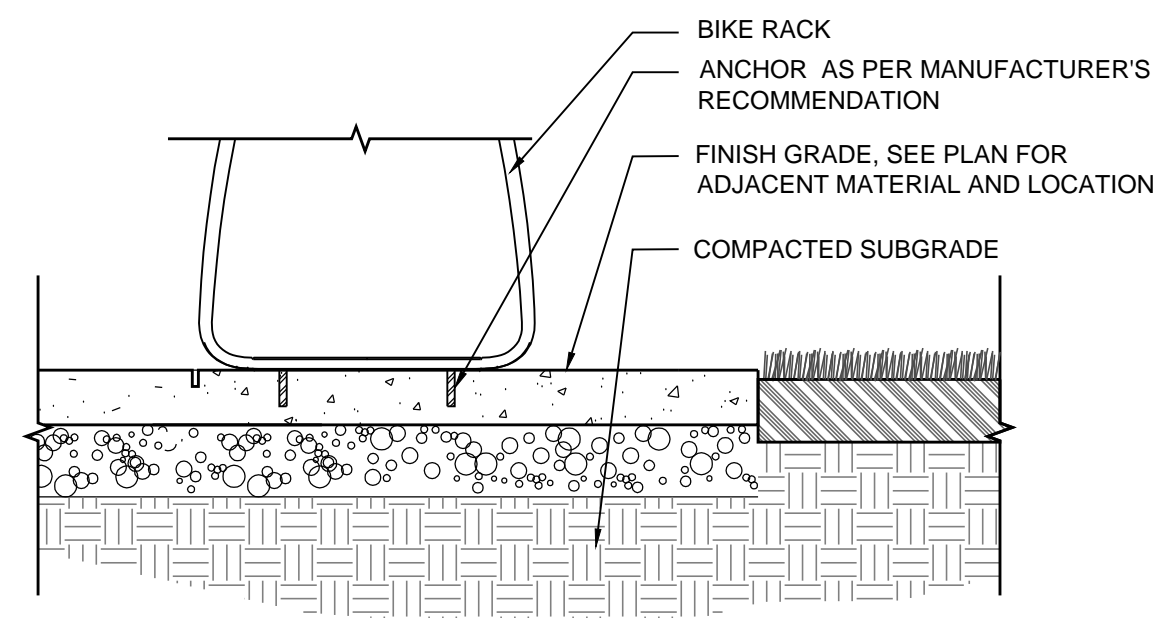
**7 ORNAMENTAL FENCE ALT. C-A1**  
1"=1'-0"

No.	DATE	DESCRIPTION

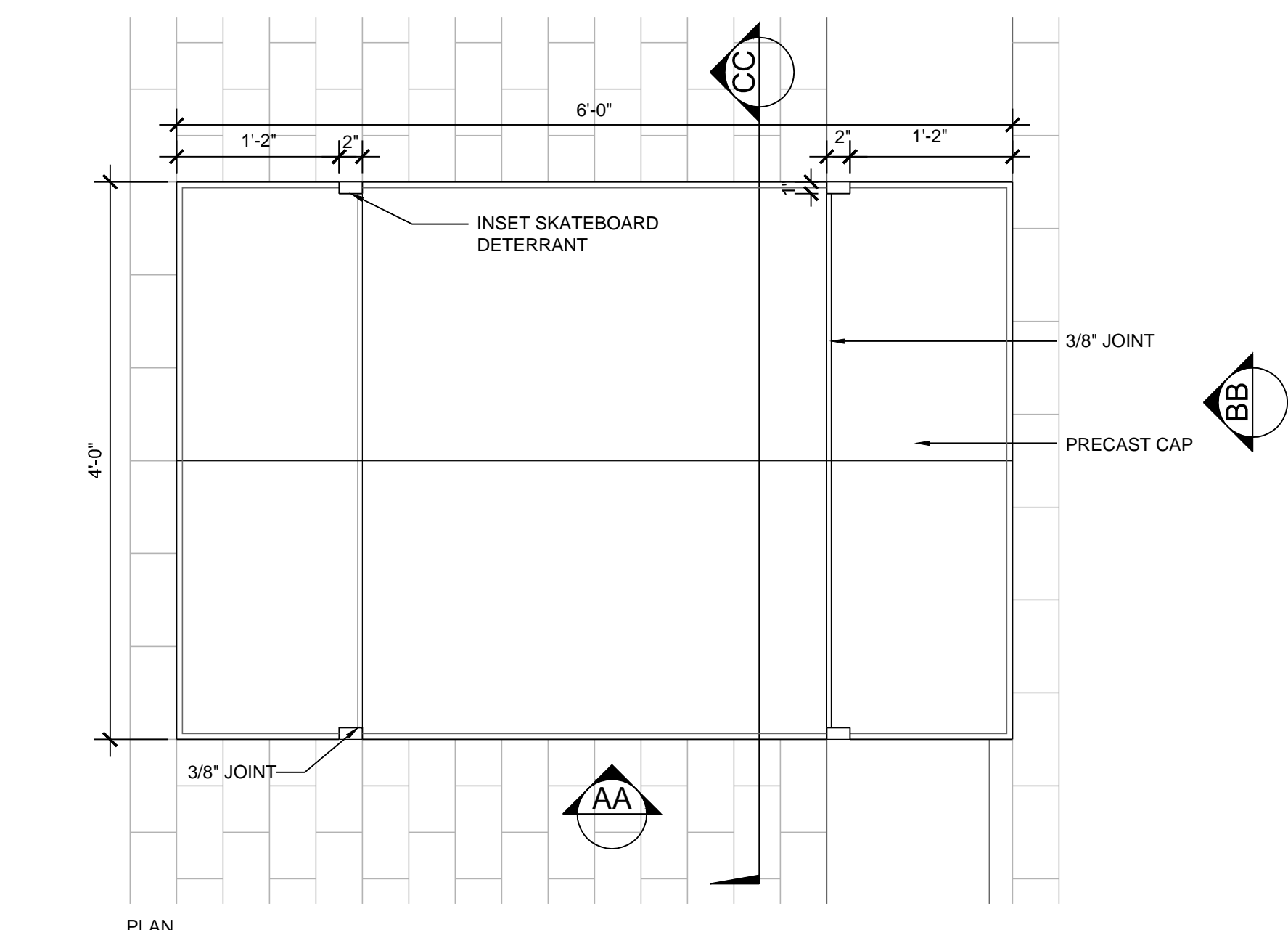
<b>BID ISSUE</b>	
PROJECT No.:	152-01
DATE:	03/31/16
SCALE:	AS SHOWN
DRAWING NAME	
<b>Hardscape Details</b>	
<b>L1.05</b>	



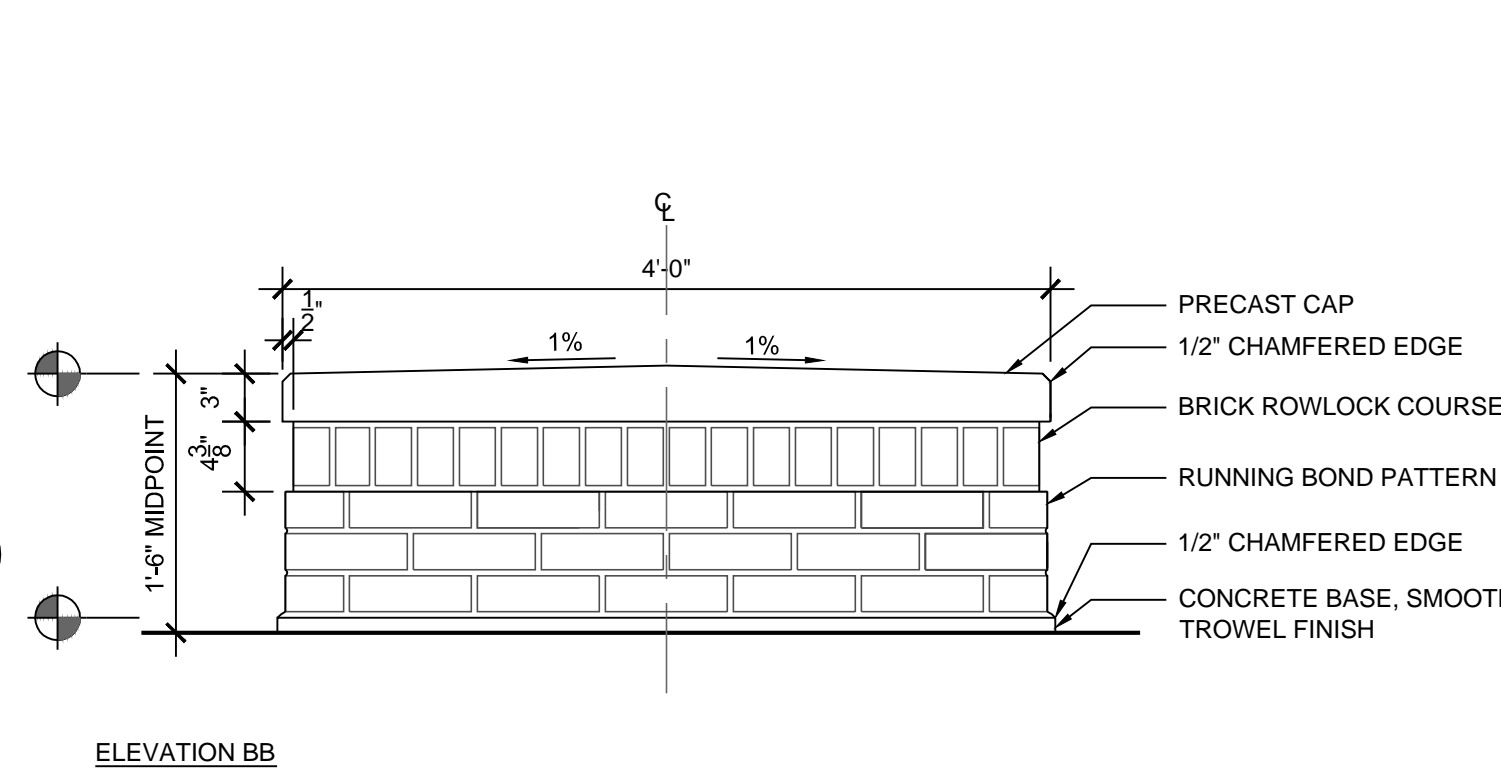
**1 BENCH MOUNTING**  
1"=1'-0"



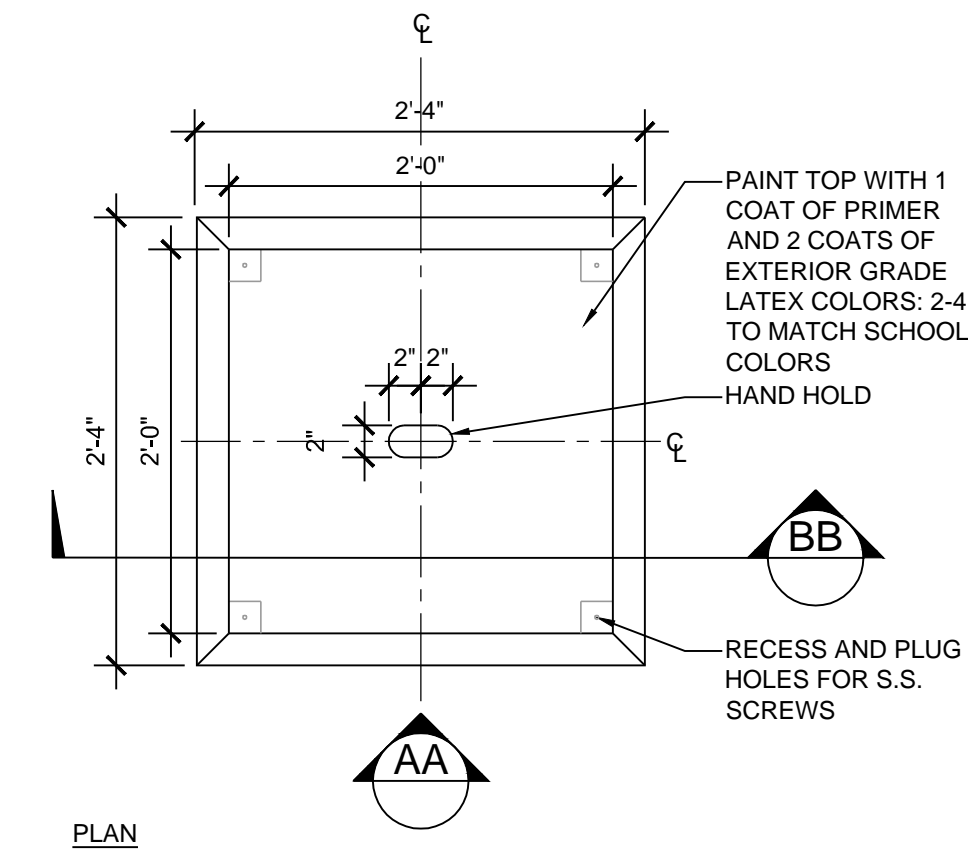
**2 BIKE RACK MOUNTING**  
1"=1'-0"



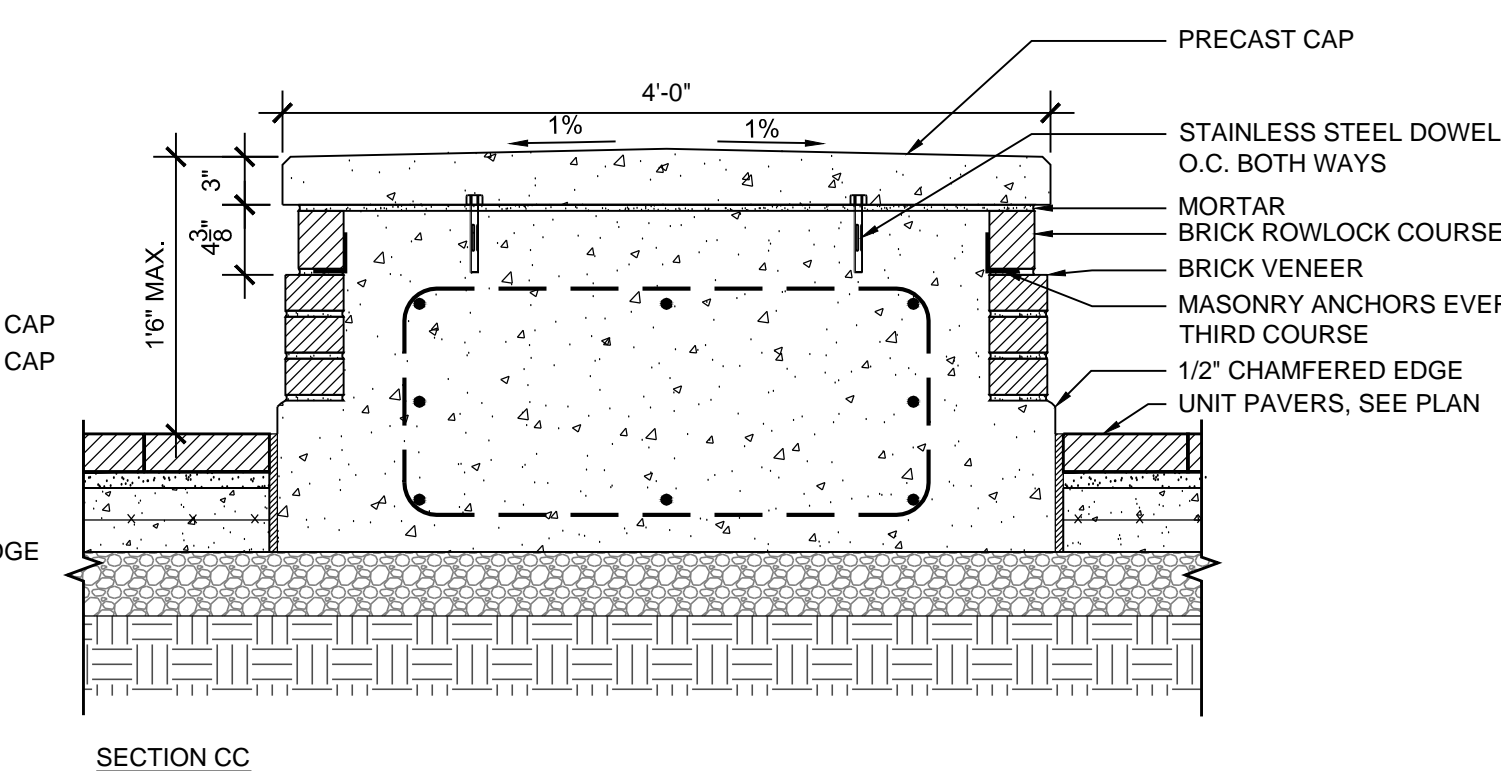
**3 SEAT BLOCK ALT. C-4A**  
1"=1'-0"



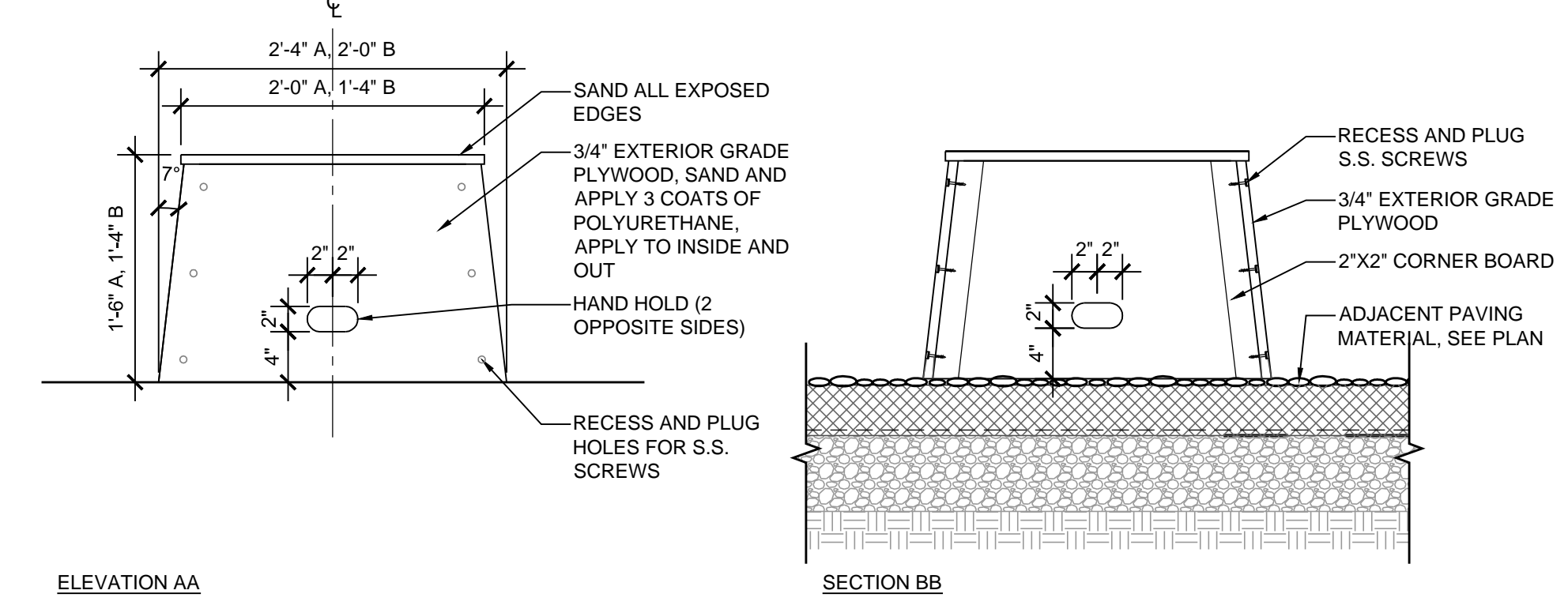
NOTES:  
1. BRICK VENEER, AND MORTAR TO MATCH ARCHITECTURE, REFER TO SECTION 04 20 00 UNIT MASONRY.  
2. REBAR AND FOOTING PER STRUCTURAL ENGINEER REVIEW ON 10 MARCH 2016.



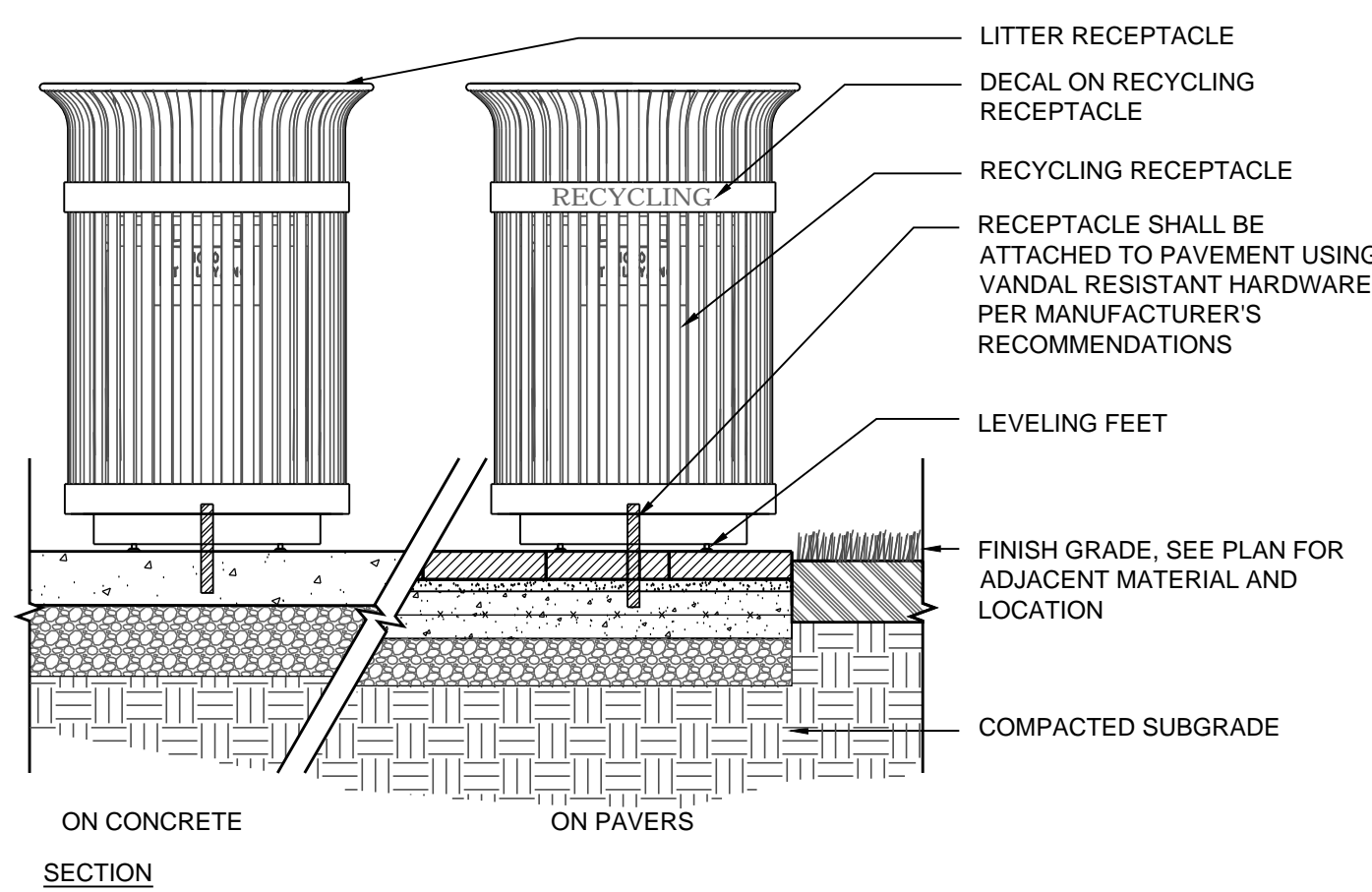
**4 WOOD SEAT BLOCKS**  
1"=1'-0"



SECTION CC

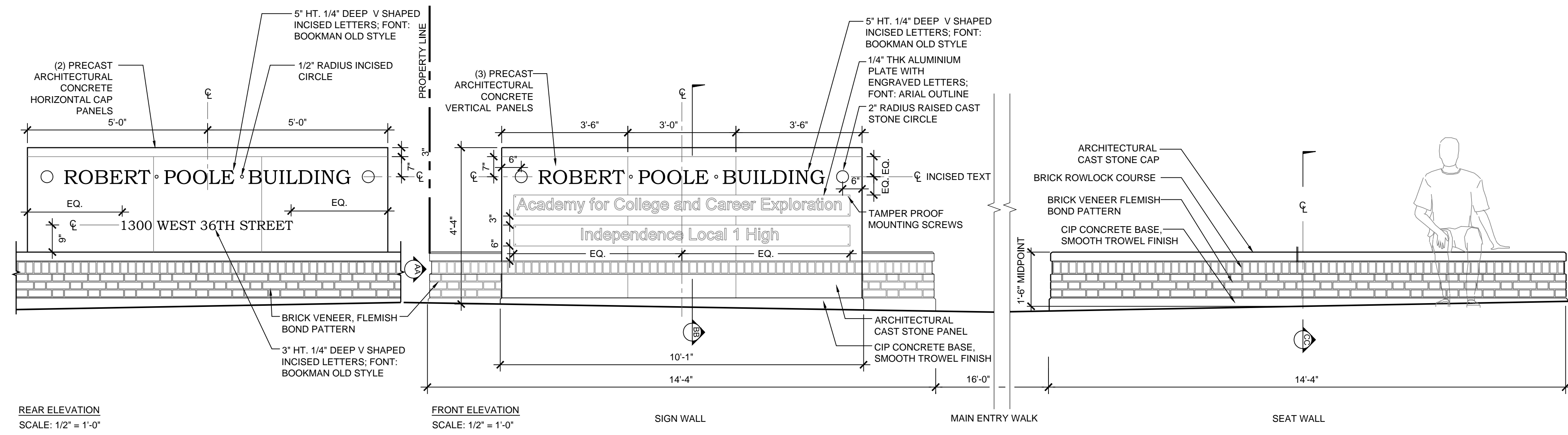


NOTE:  
Construct (4) A size seat blocks.  
Construct (4) B size seat blocks.

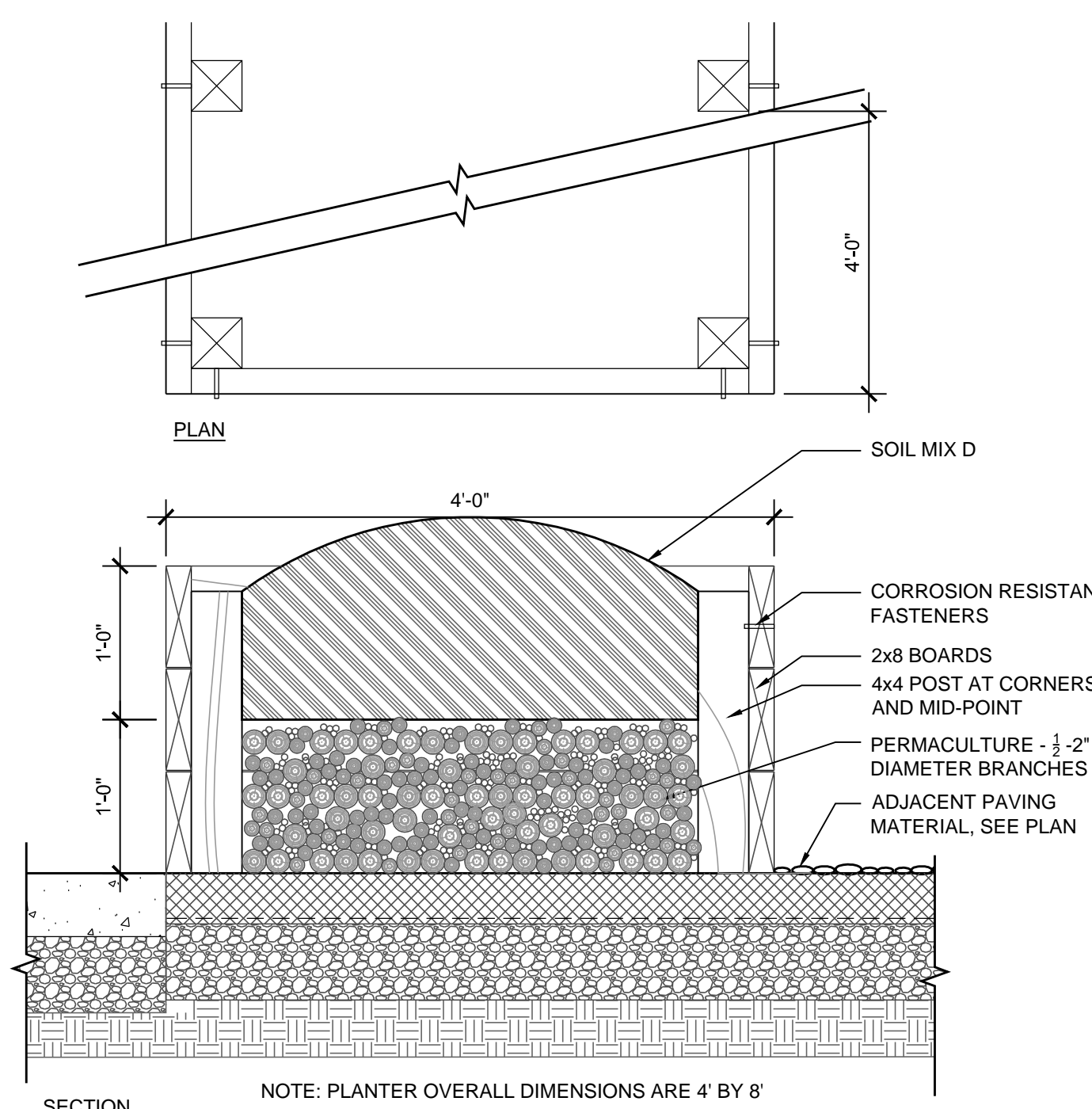


**5 LITTER/RECYCLING RECEPTACLE MOUNTING**  
3/4"=1'-0"

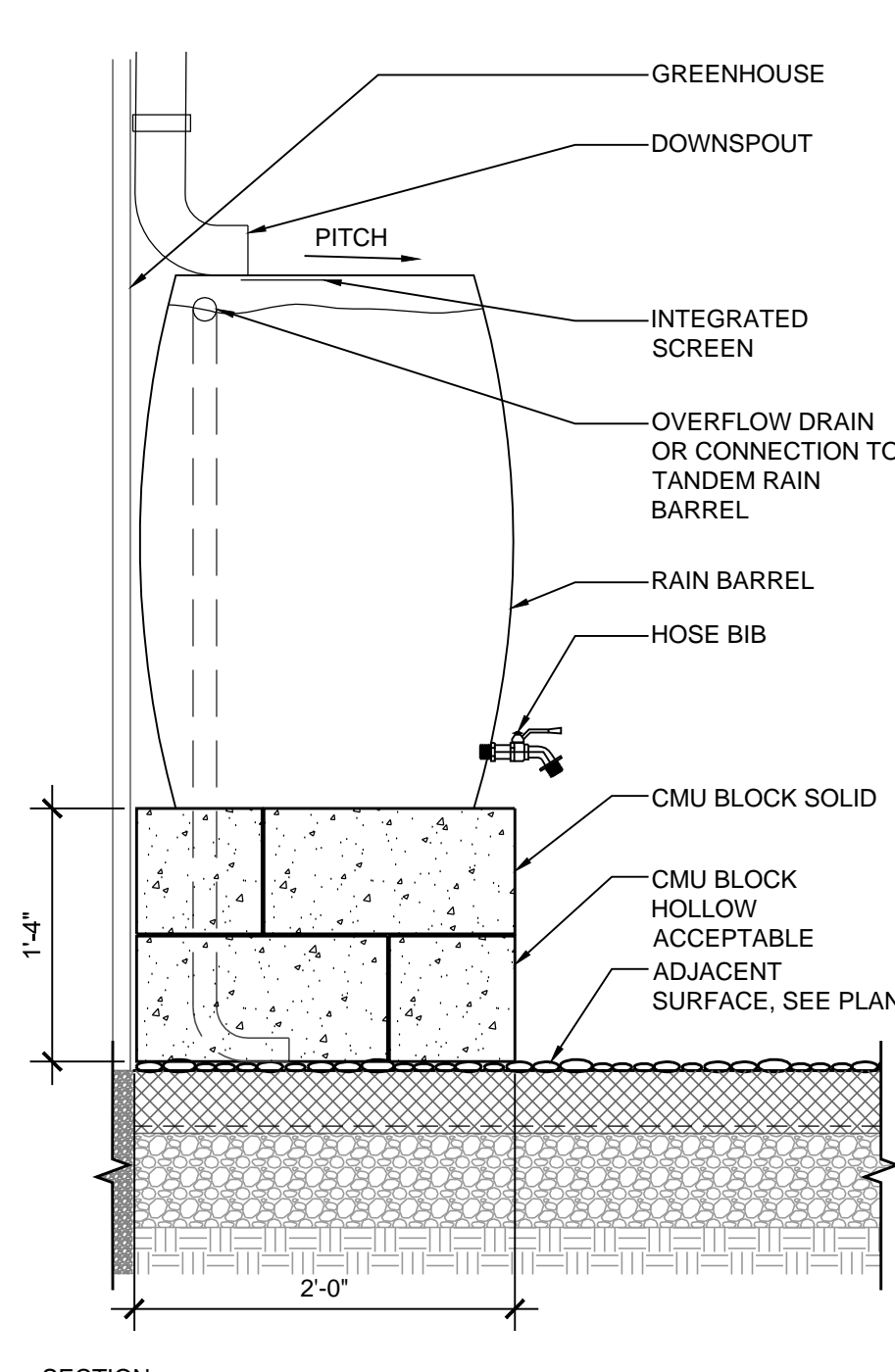
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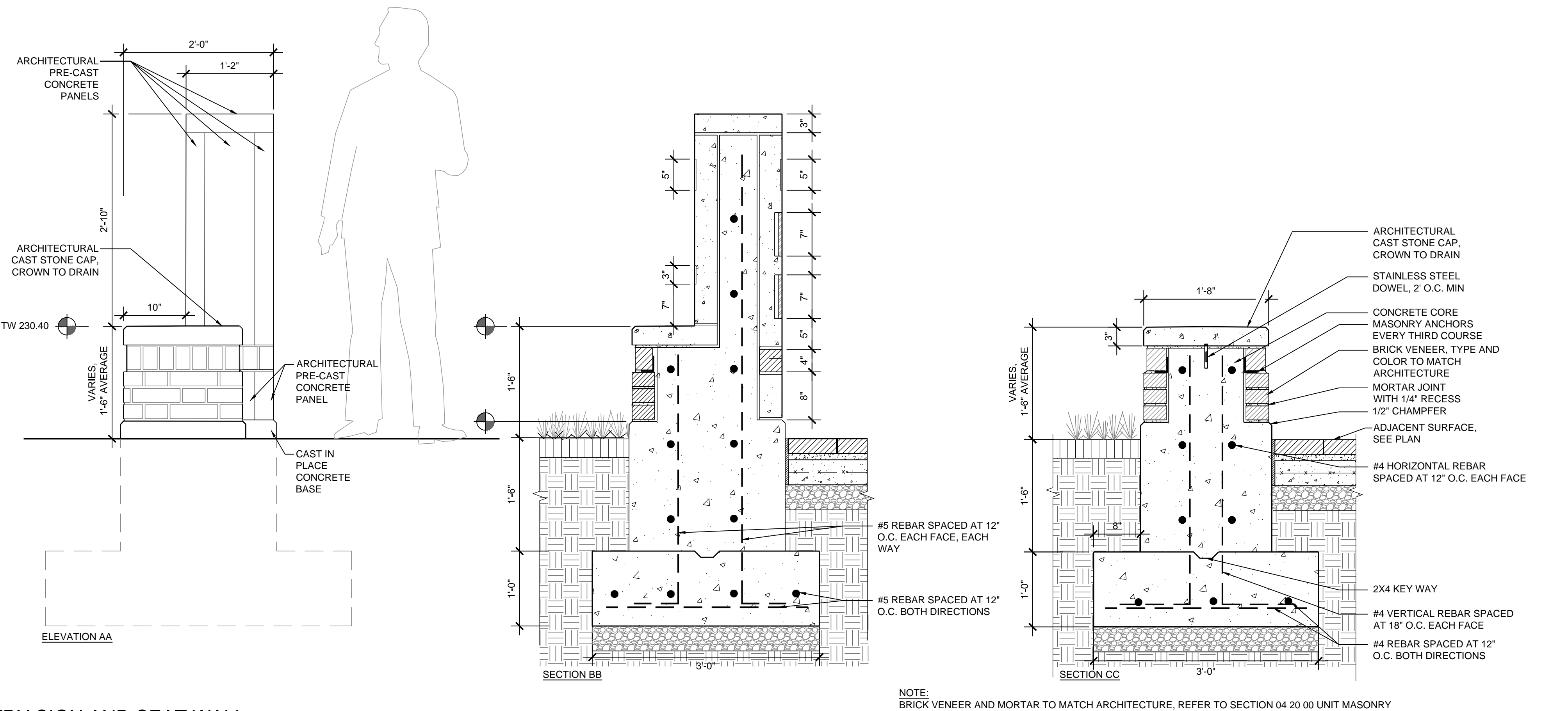
**6 BOLLARD MOUNTING (EMBEDDED)**  
1"=1'-0"



**7 RAISED GARDEN PLANTER**  
1"=1'-0"



**8 RAIN BARREL**  
1"=1'-0"



**9 ENTRY SIGN AND SEAT WALL**  
1"=1'-0"

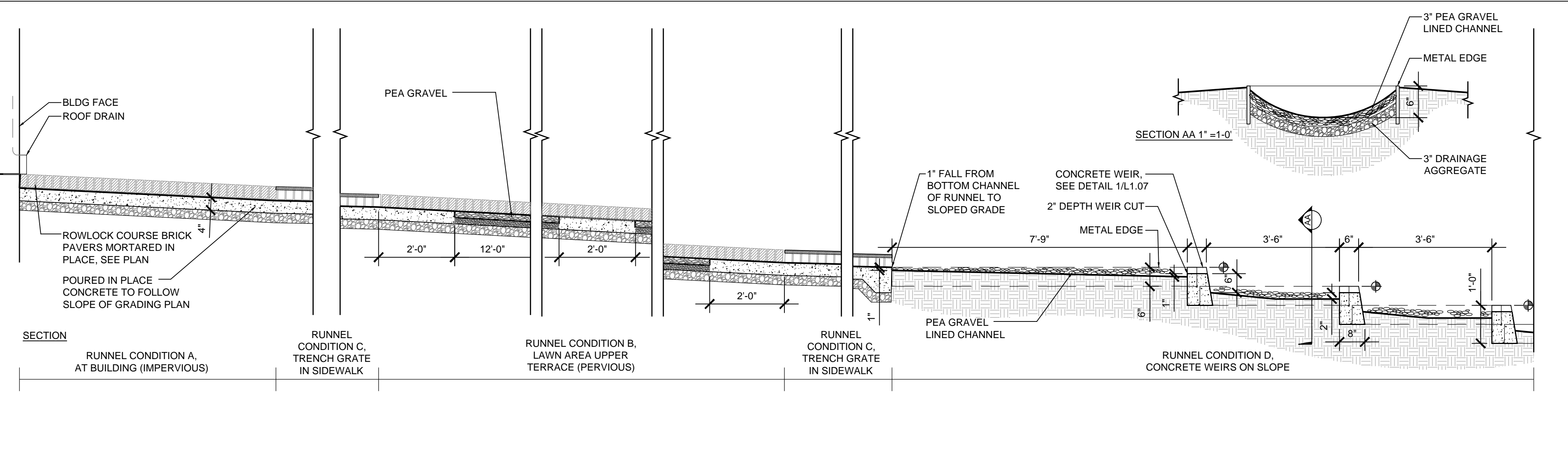
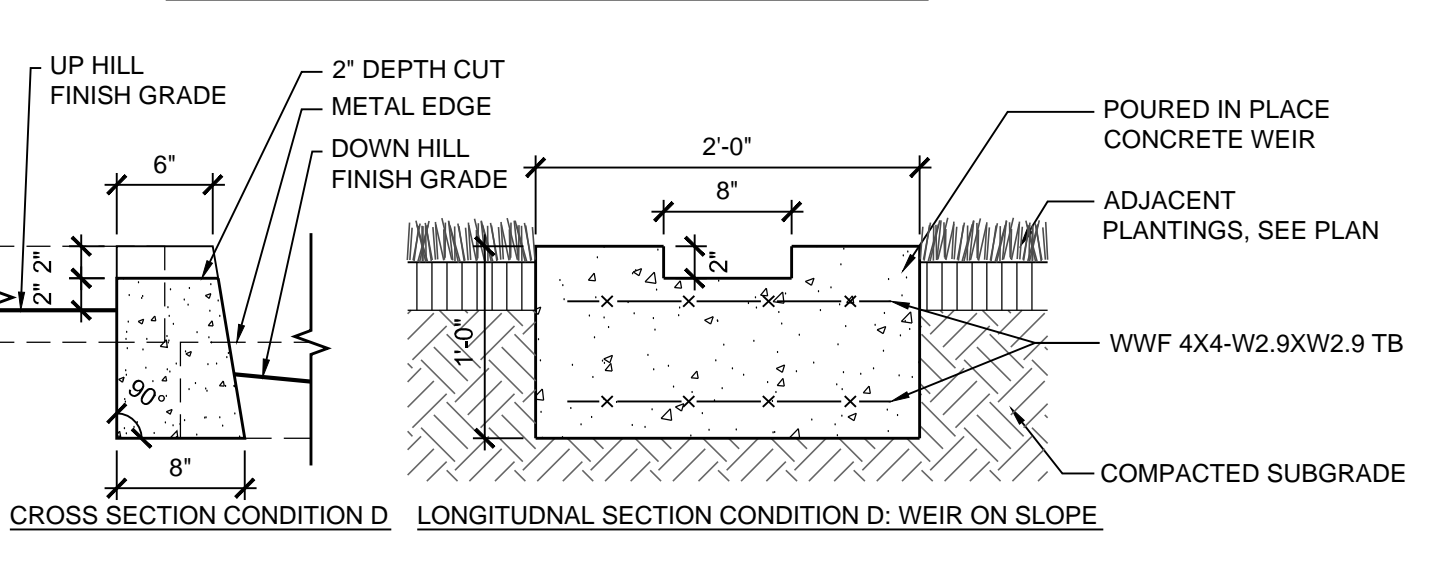
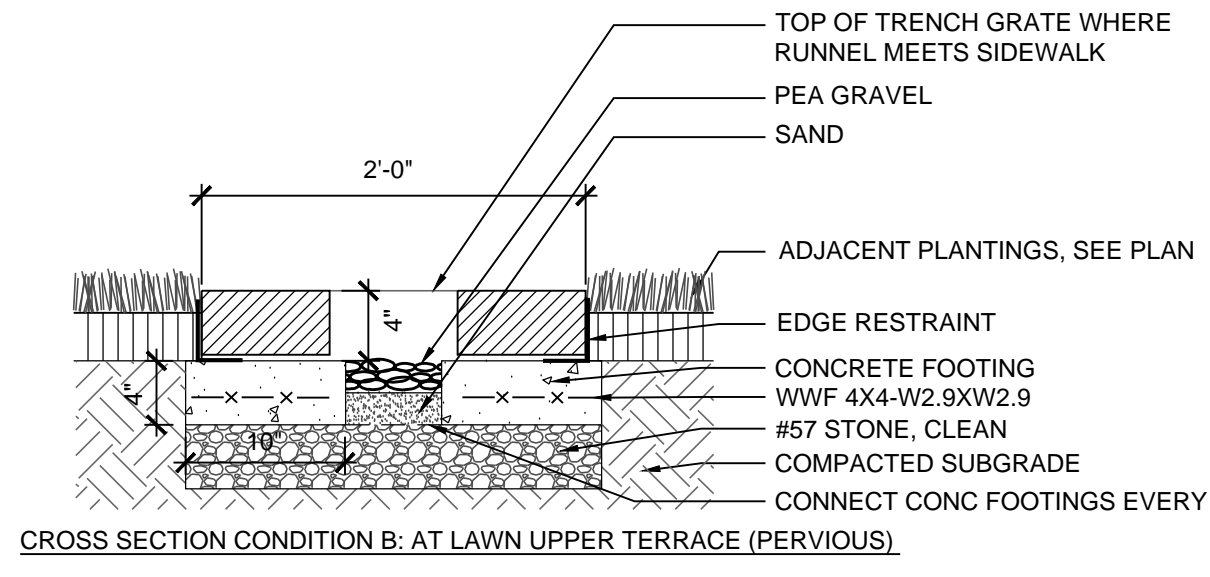
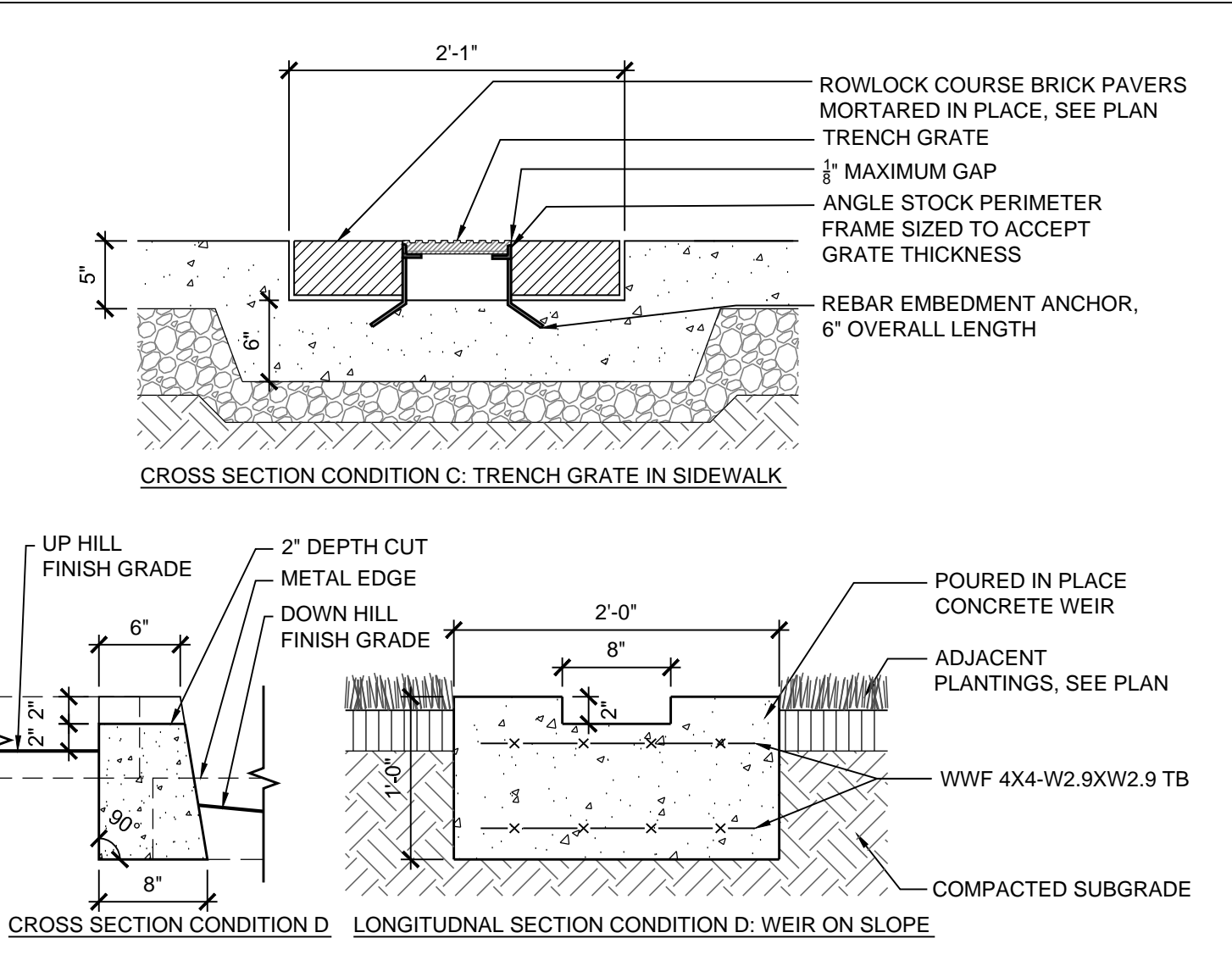
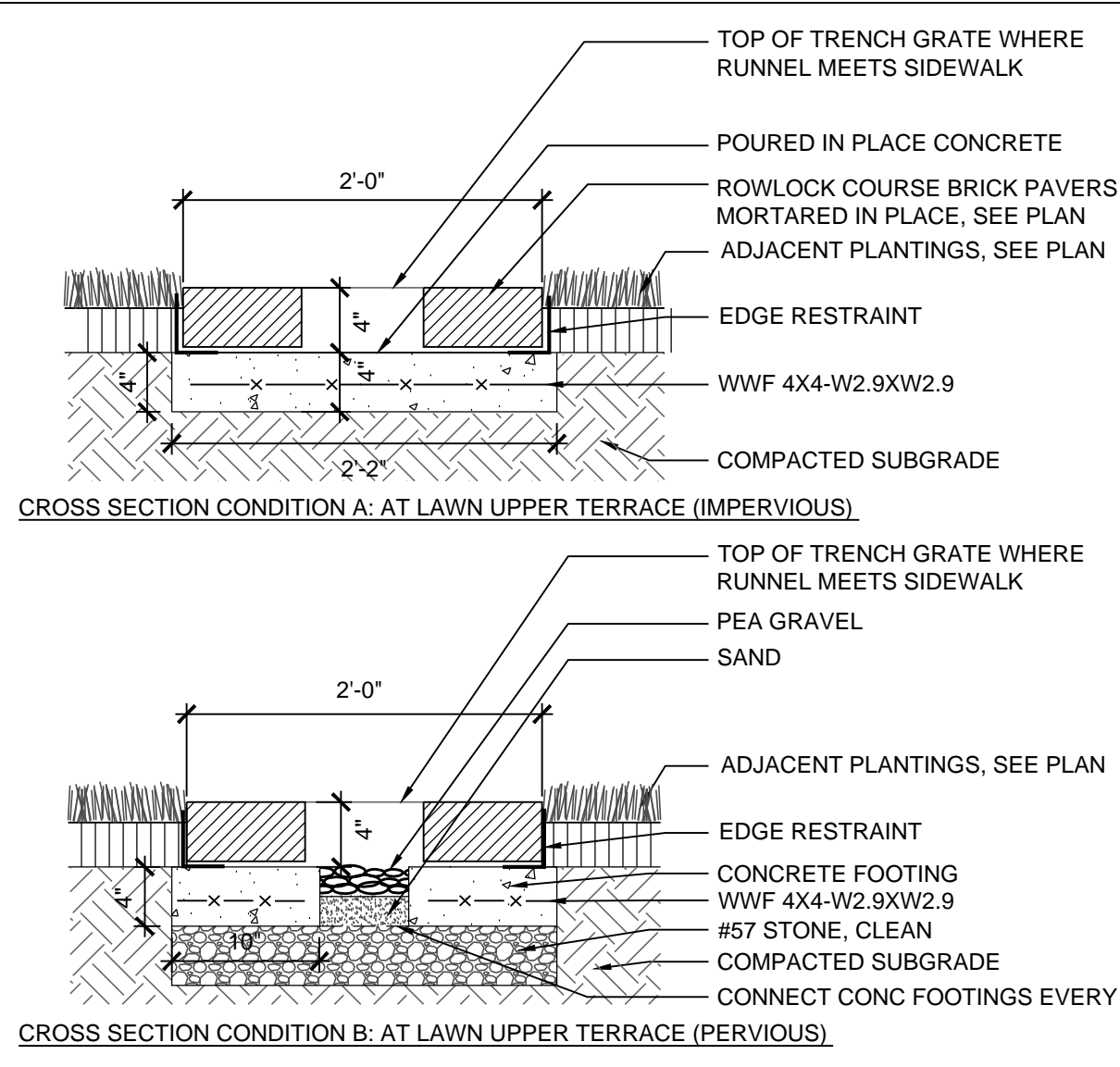
No.	DATE	DESCRIPTION

BID ISSUE

PROJECT No.: 152-01  
DATE: 03/31/16  
SCALE: AS SHOWN  
DRAWING NAME

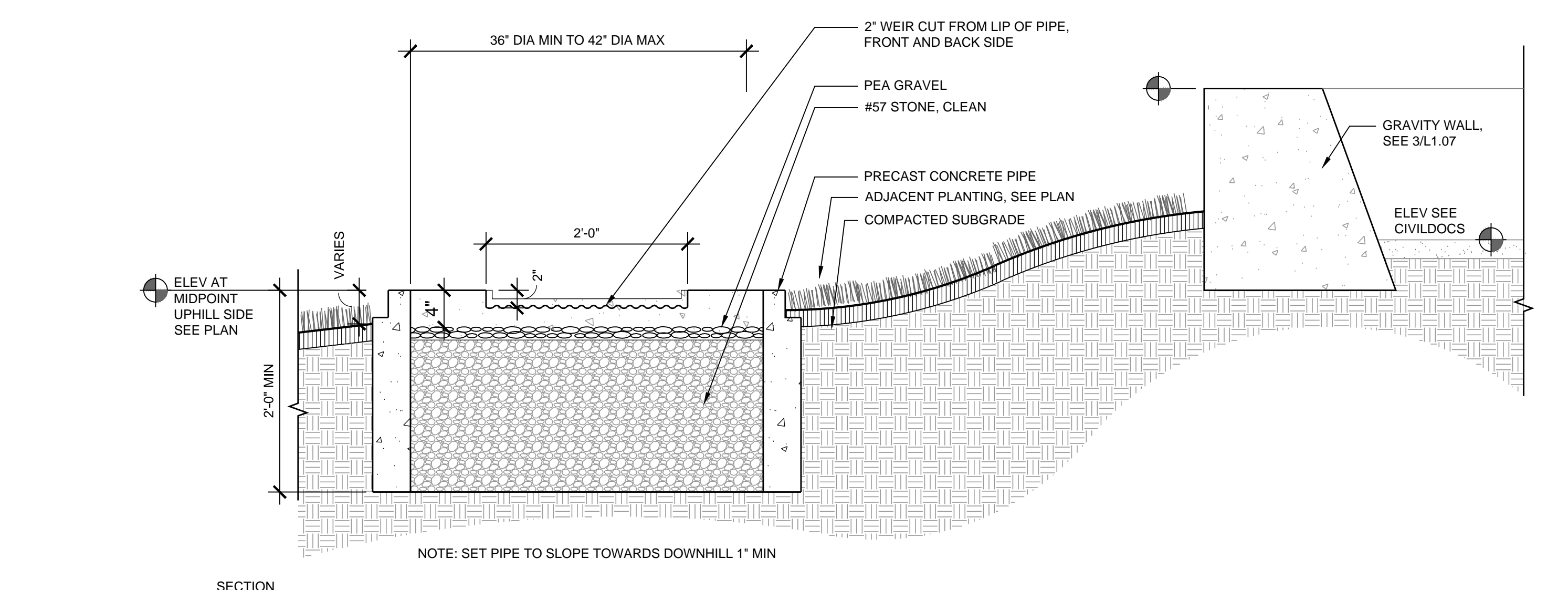
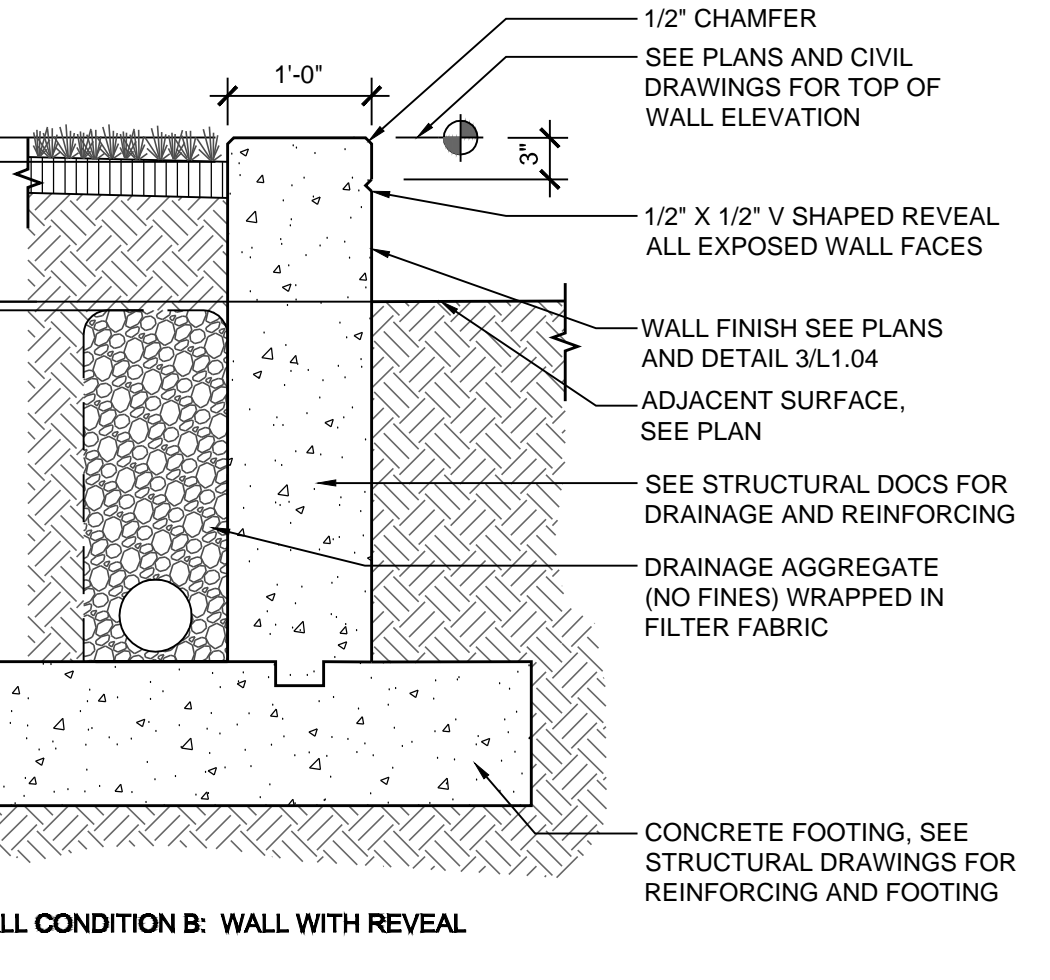
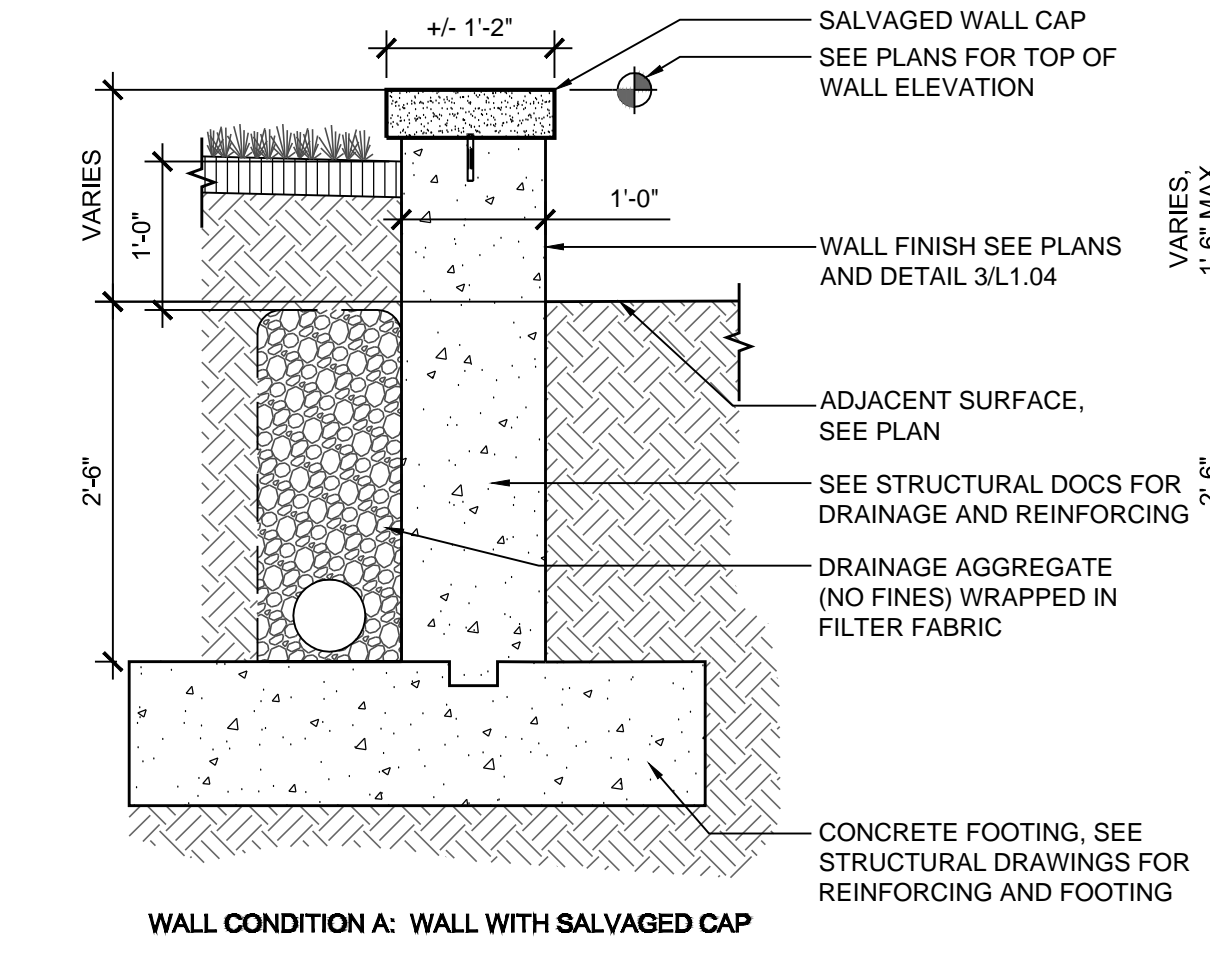
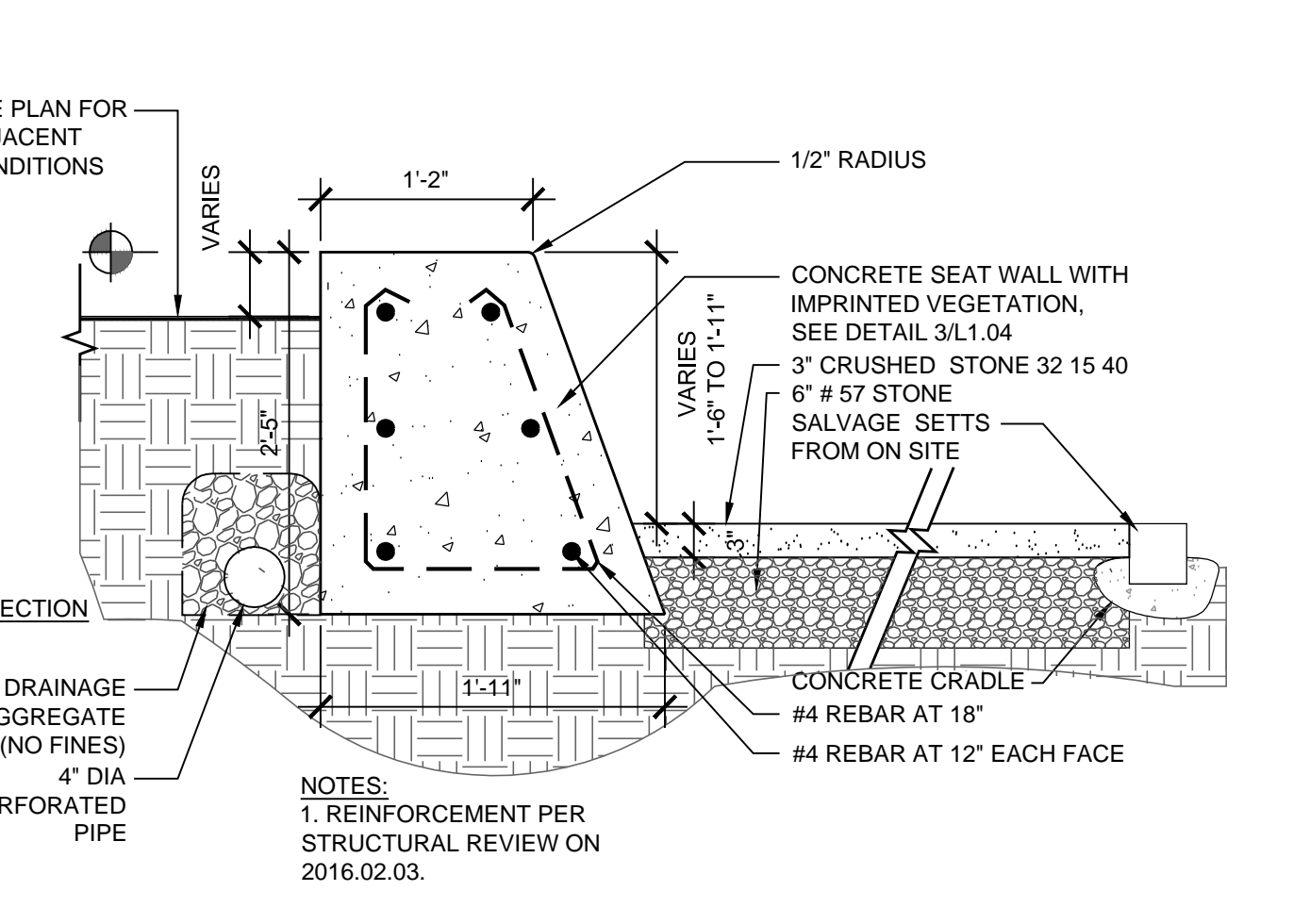
Hardscape  
Details

L1.06



**1 RUNNEL - CROSS SECTION**  
1"=1'-0"

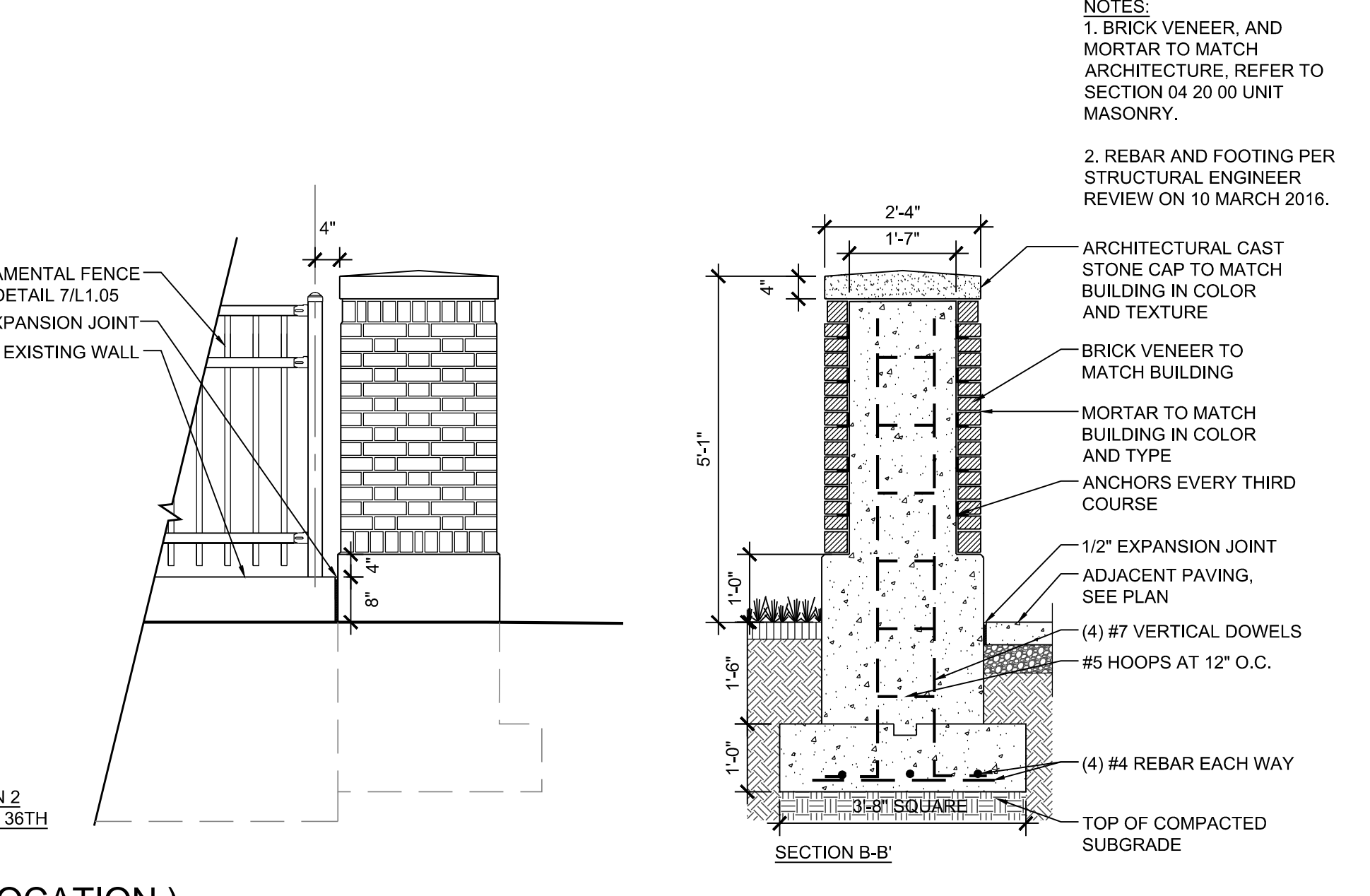
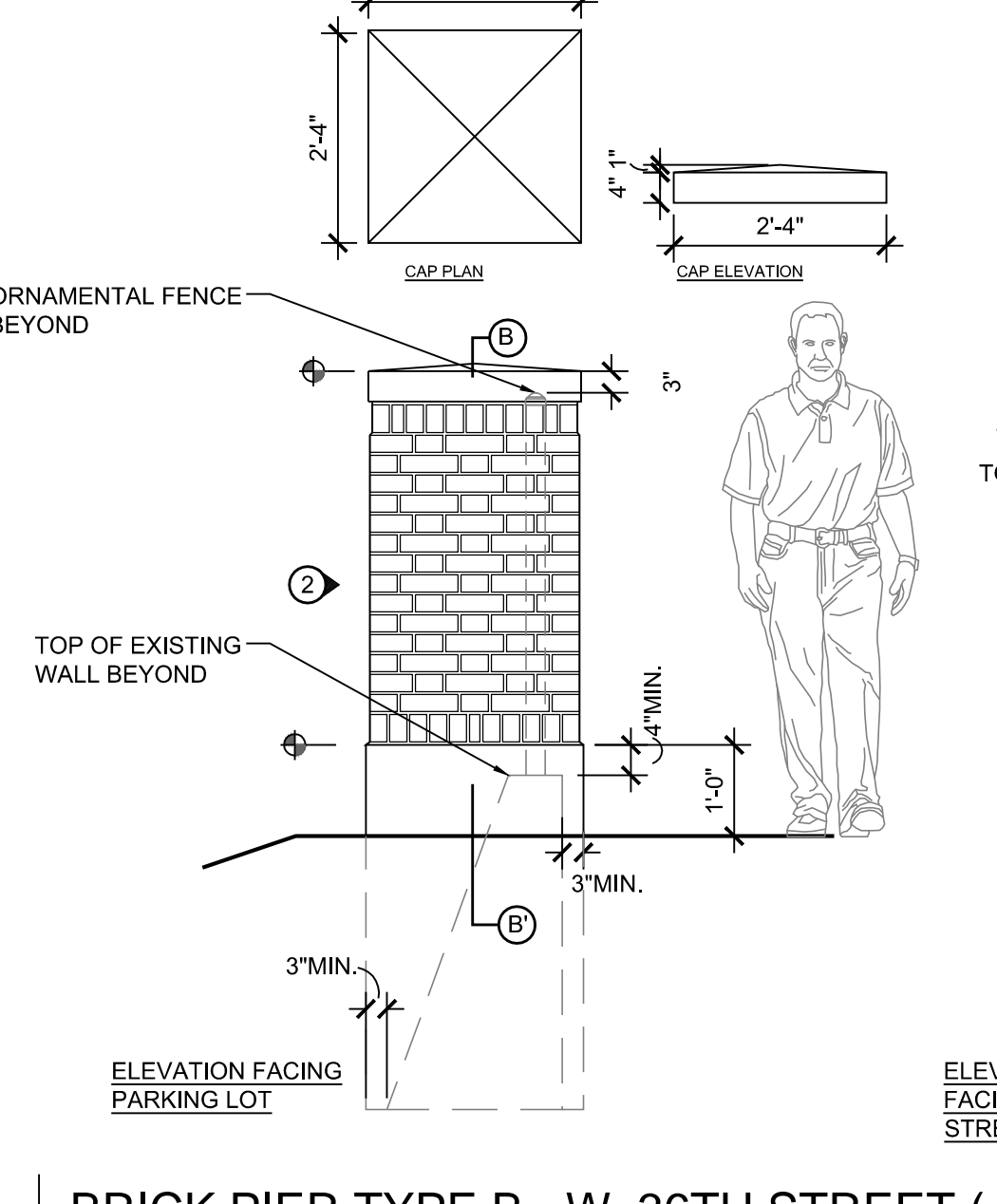
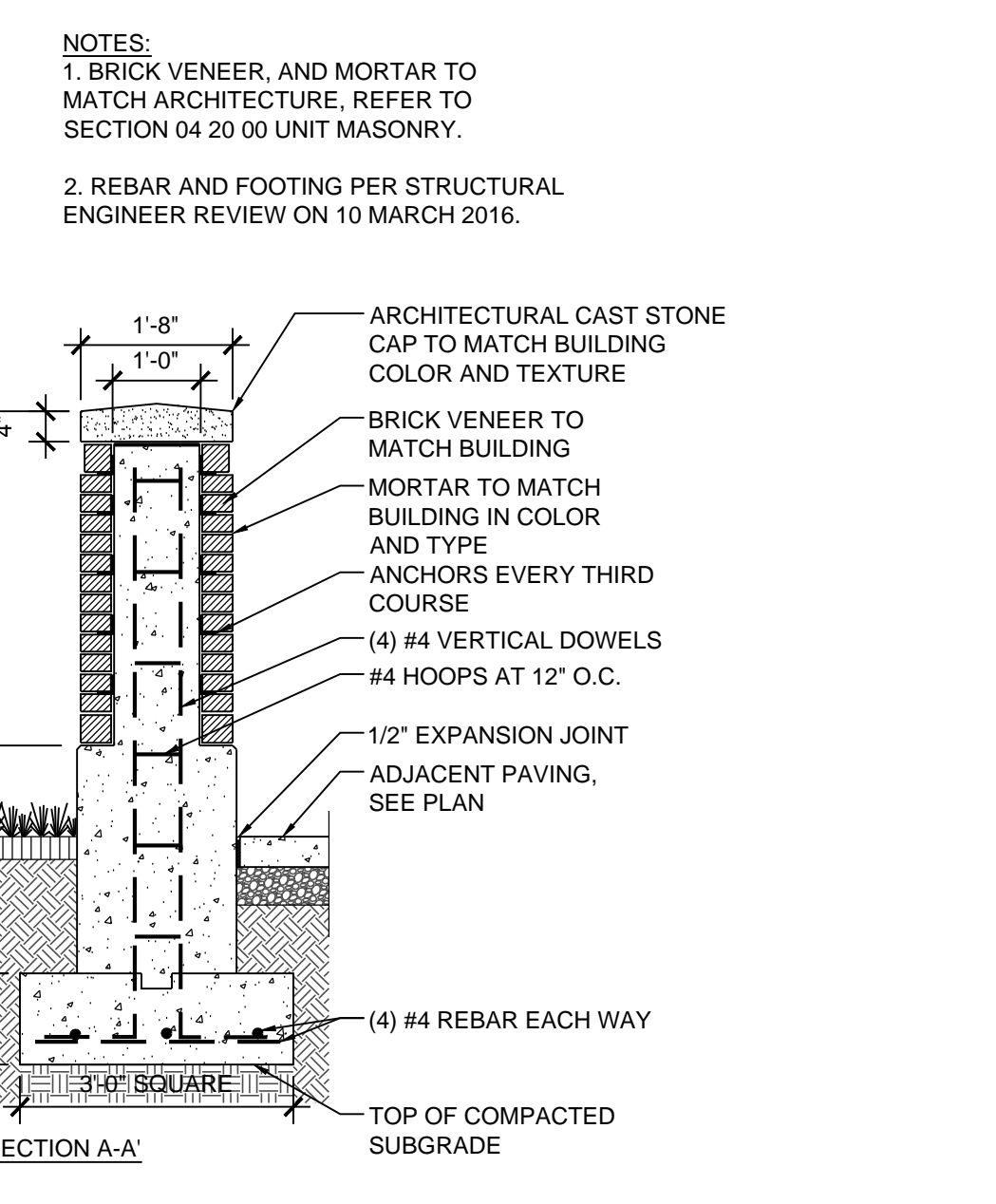
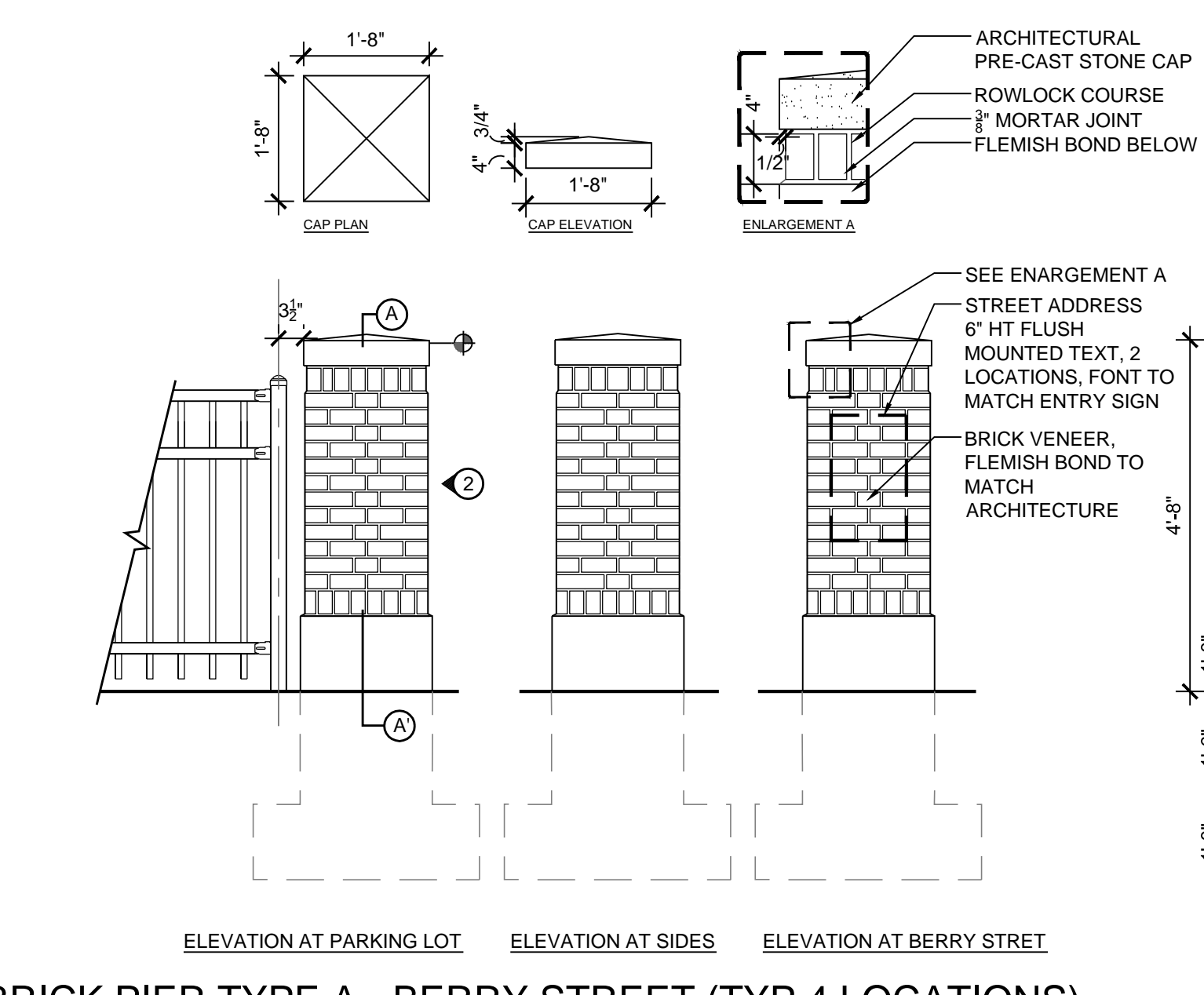
**2 RUNNEL - LONGITUDINAL SECTION**  
1/2"=1'-0"



**3 GRAVITY WALL AT OUTDOOR LEARNING NOOKS ALT C-A2**  
1"=1'-0"

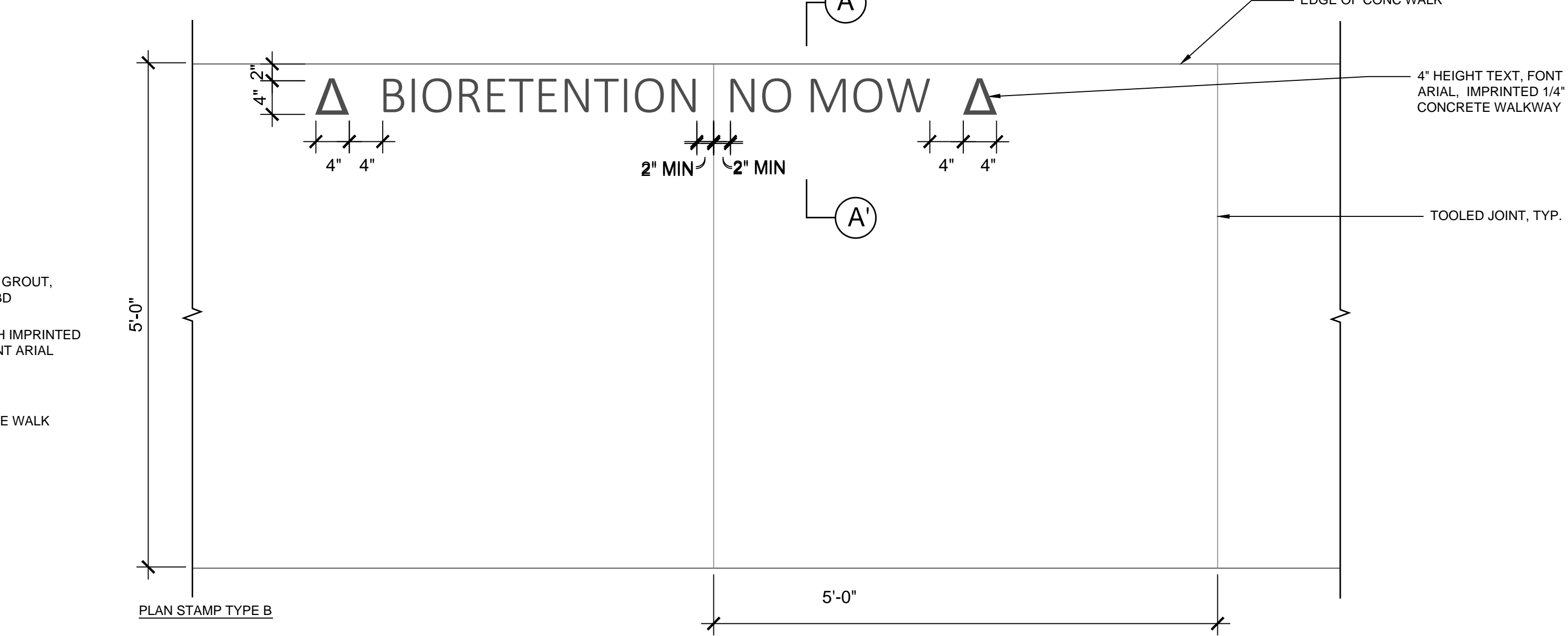
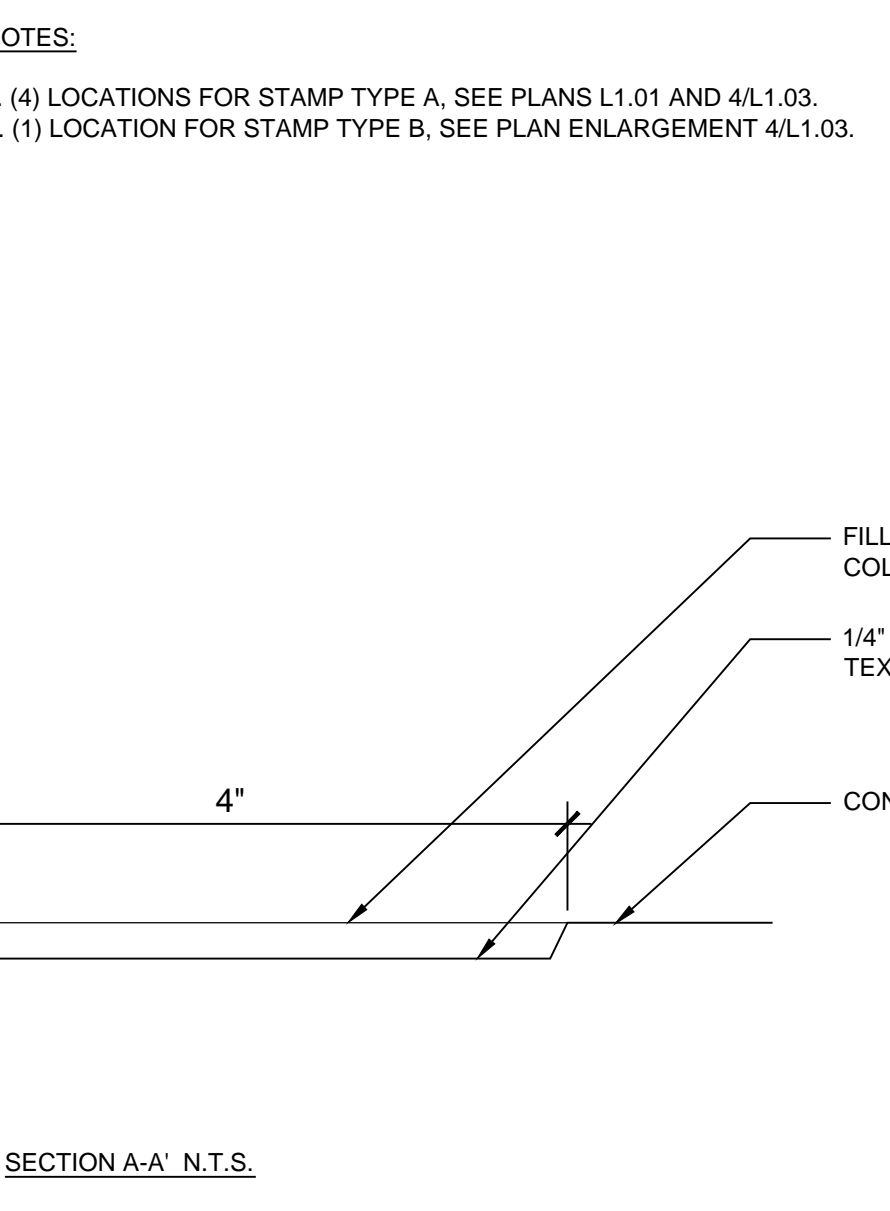
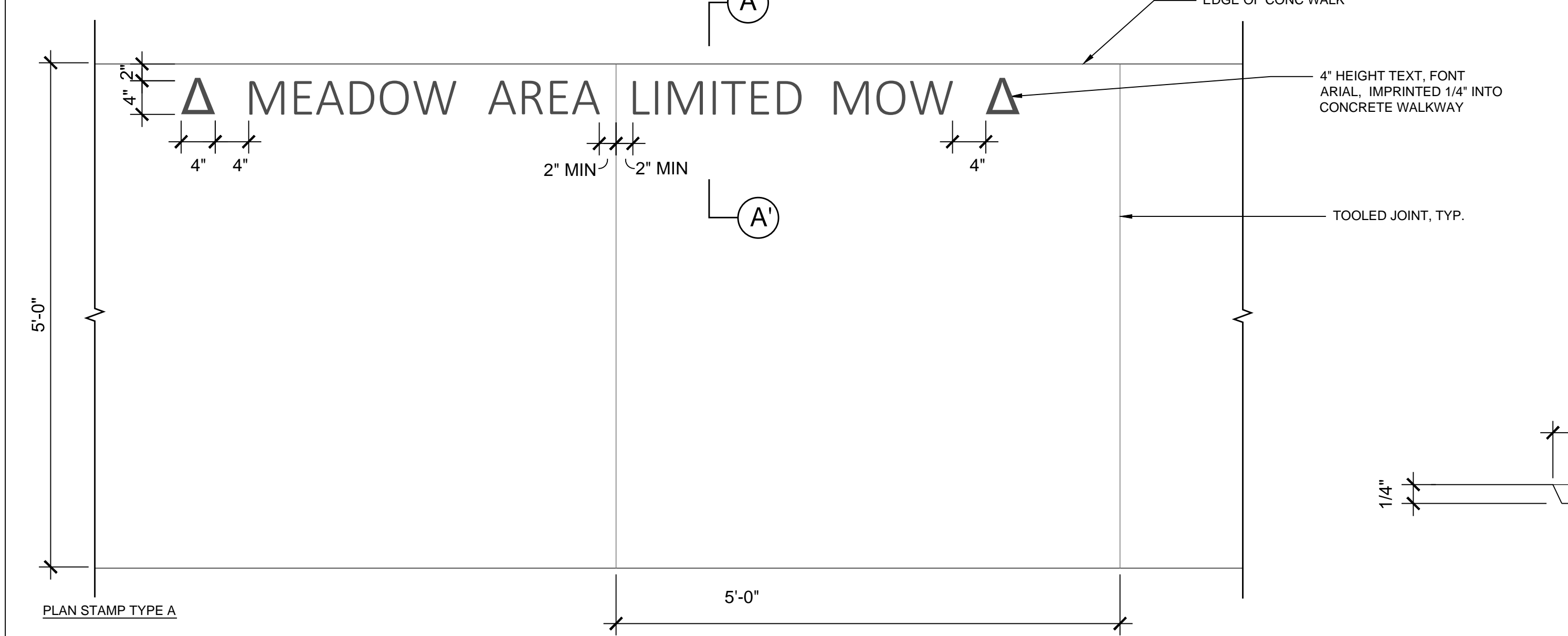
**4 CONCRETE WALL**  
3/4"=1'-0"

**5 CONCRETE PIPE SPILLWAY**  
1"=1'-0"



**6 BRICK PIER TYPE A - BERRY STREET (TYP 4 LOCATIONS)**  
1/2"=1'-0"

**7 BRICK PIER TYPE B - W. 36TH STREET ( 1 LOCATION )**  
1/2"=1'-0"



**8 CONCRETE SIGN STAMP**  
1"=1'-0"

**JRS ARCHITECTS**  
2010 Clipper Park Rd.  
Suite 101  
Baltimore, MD 21211  
410.235.7256

**ASSOCIATE ARCHITECT**  
SCHRAEDER GROUP ARCHITECTURE LLC  
161 LEVERINGTON AVE, SUITE 105  
PHILADELPHIA, PA 19127

**LANDSCAPE ARCHITECT**  
MAHAN RYKIEL ASSOCIATES  
800 WYMAN PARK DR, SUITE 100  
BALTIMORE, MD 21211

**CIVIL ENGINEER**  
STV, INC.  
7125 AMBASSADOR RD, SUITE 200  
BALTIMORE, MD 21244

**STRUCTURAL ENGINEER**  
ALBRECHT ENGINEERING  
3500 BOSTON ST, SUITE 329  
BALTIMORE, MD 21224

**MEP ENGINEER**  
BRUNAC ENGINEERING  
1800 N. CHARLES ST, SUITE 310  
BALTIMORE, MD 21201

**FOOD SERVICE**  
NYKOS ASSOCIATES  
18218A FLOWER HILL WAY  
GAITHERSBURG, MD 20879

**AVIT CONSULTANT**  
EDUCATIONAL SYSTEMS PLANNING  
49 OLD SOLOMONS ISLAND RD, STE 301  
ANNAPOLIS, MD 21401

**Baltimore City Public Schools**  
**Additions & Renovations at Robert Pool**  
**Building #056**  
1300 W 36TH ST., BALTIMORE, MD 21211

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO. 031  
EXPIRATION DATE 9/21/17

No.	DATE	DESCRIPTION

BID ISSUE

PROJECT No.: 152-01

DATE: 03/31/16

SCALE: AS SHOWN

DRAWING NAME

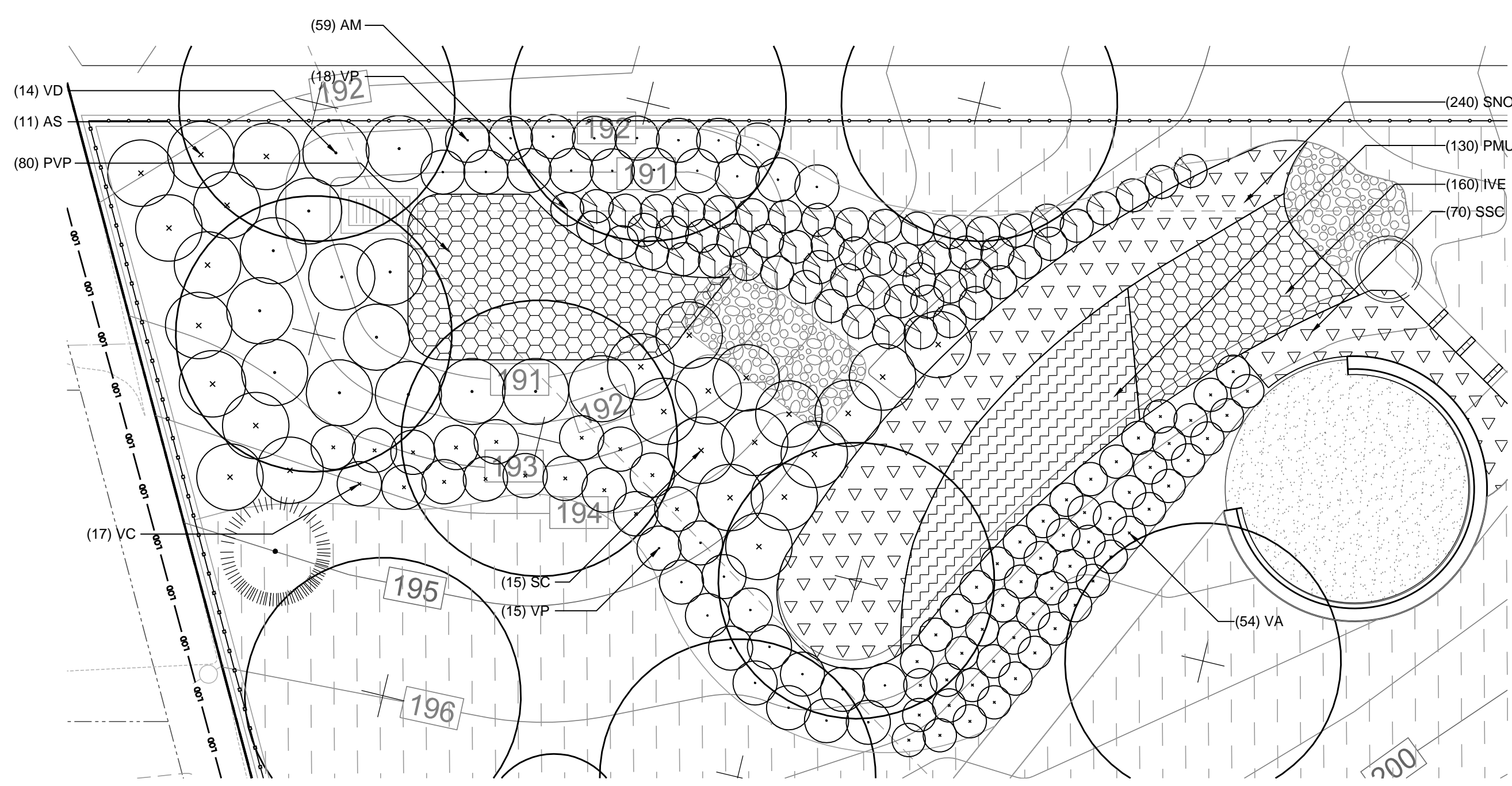
Hardscape Details

**L1.07**

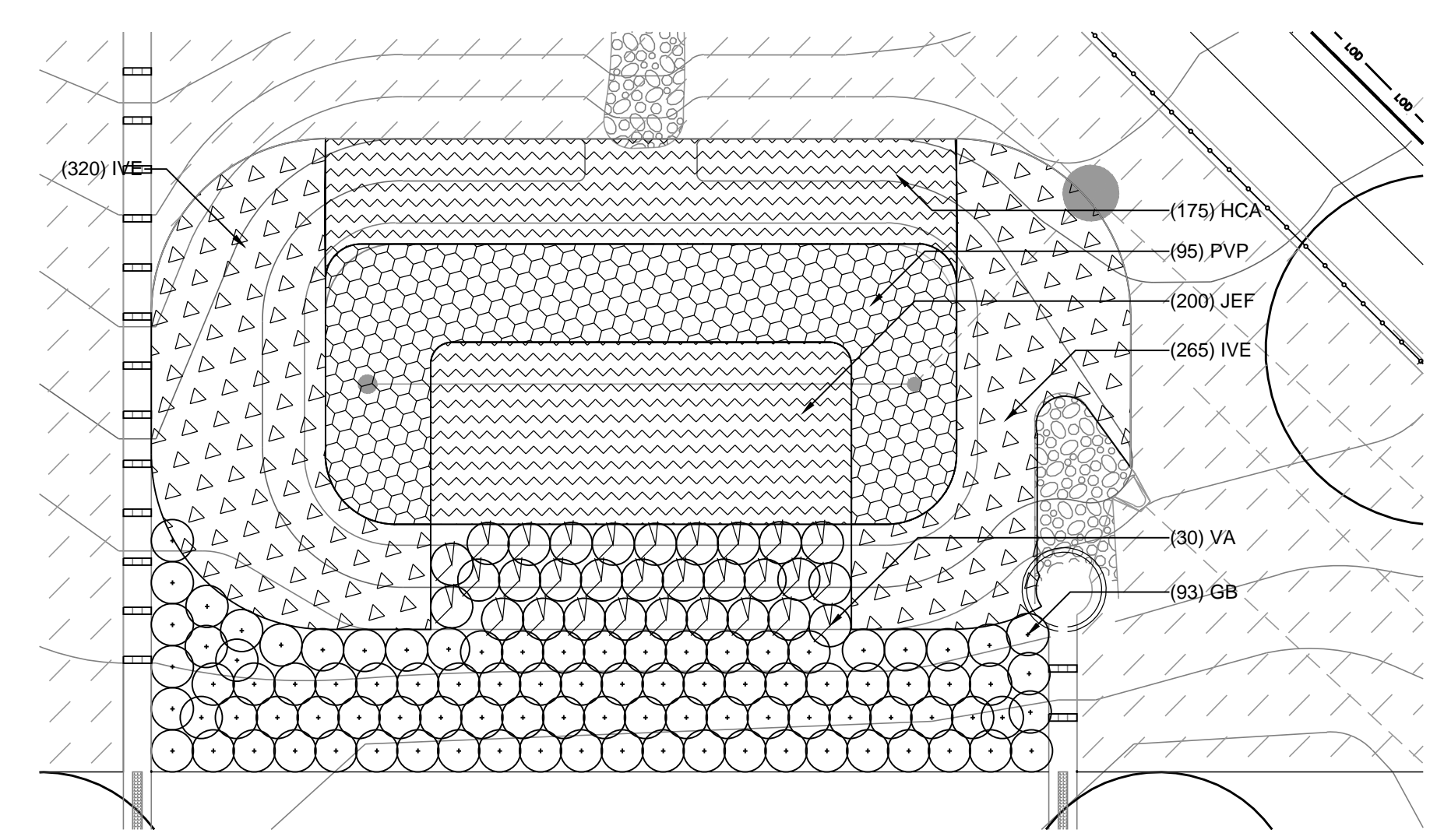
**MAHAN RYKIEL ASSOCIATES INC.**  
The Staff Silver Building, 800 Wyman Park Drive,  
Suite 100, Baltimore, MD 21211 410.235.6001

16/2016 8:48:54 AM





**1 ENLARGEMENT PLAN**  
1"=10'

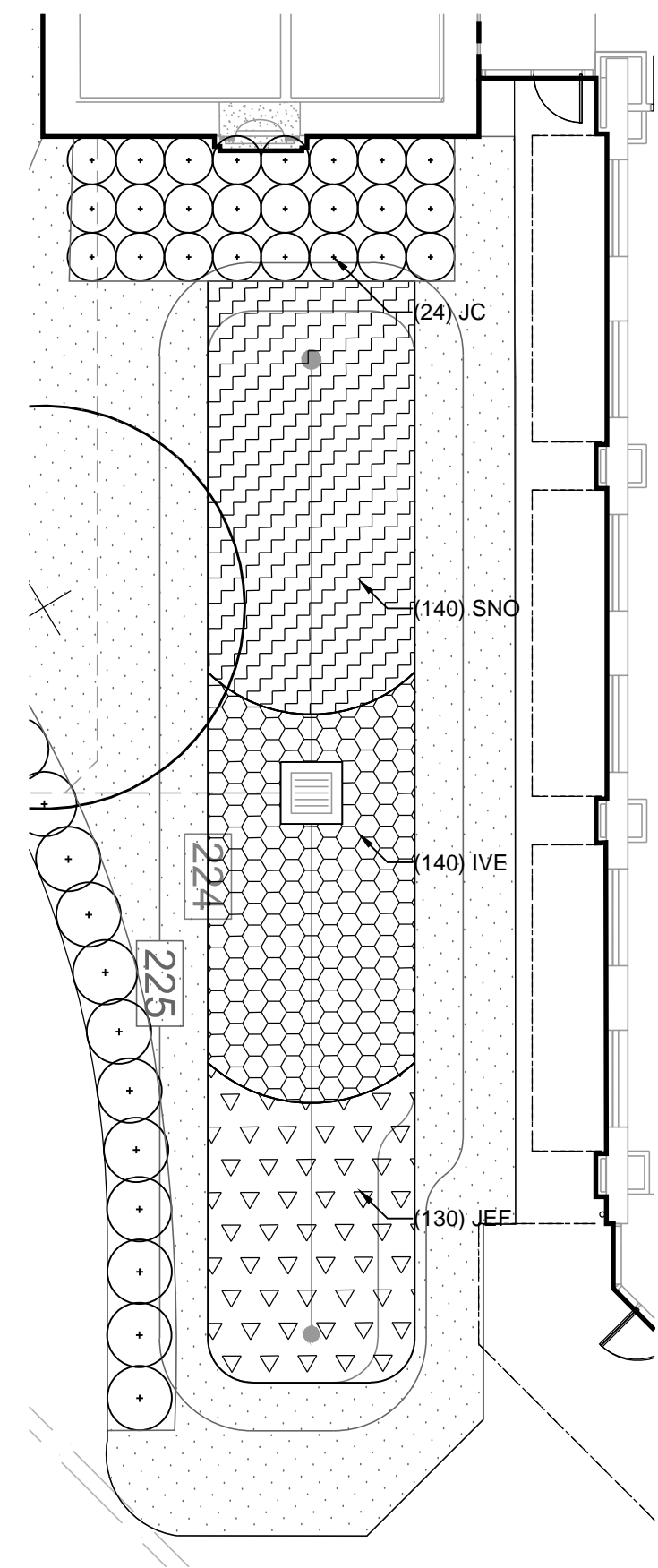


**2 MICRO-BIORETENTION 4 ENLARGEMENT PLAN**  
1"=10'

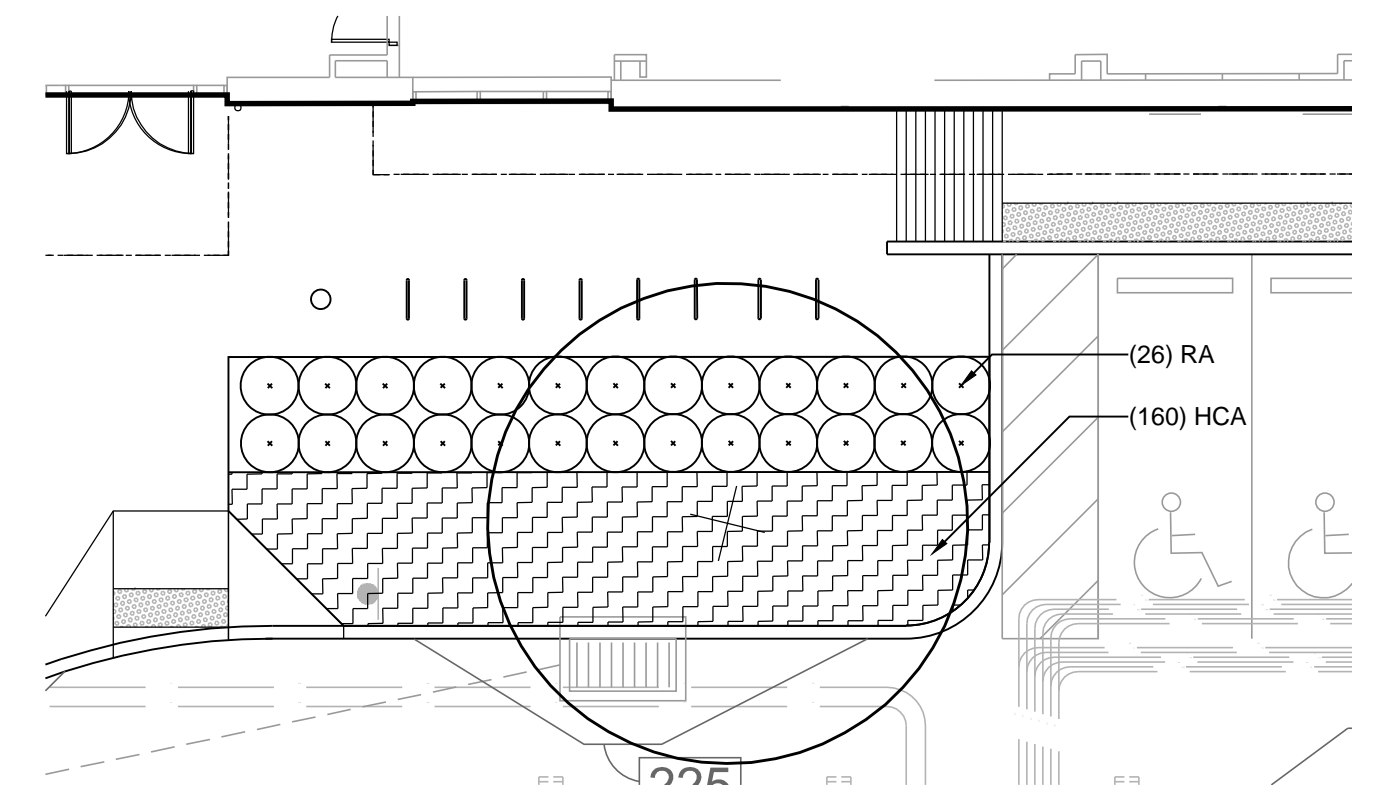
**PLANT SCHEDULE: THIS SHEET ONLY**

Qty.	Key	Botanical/Common Name	Size	Root	Comments
<b>SHRUBS</b>					
11	AS	Alnus serrulata / Smooth Alder	#5	Cont.	4 Ht.
59	AM	Aronia melanocarpa / Black Chokeberry	#5	Cont.	36" Spd.
119	GB	Gaylussacia baccata / Black Huckleberry	#5	Cont.	24" Ht.
48	IG	Ilex glabra 'Shamrock' / Inkberry Holly	#5	Cont.	24" Ht.
44	IV	Itea virginica 'Henry's Garnet' / Virginia Sweetgrass	#5	Cont.	24" Spd.
24	JC	Juniperus conferta / Shore Juniper	#1	Cont.	18" O.C.
14	PL	Prunus laurocerasus 'Otto Luyken' / Otto Luyken Cherry Laurel	#5	Cont.	24" Spd.
9	RP	Rhododendron perichyomenoides / Pinxter Azalea	#3	Cont.	36" Spd.
38	RA	Rhus aromatica 'Gro Low' / Gro-Low Sumac	#3	Cont.	18" Spd.
15	SC	Sambucus canadensis 'Aurea' / American Elder	#3	Cont.	36" Spd.
84	VA	Vaccinium augustifolium / Lowbush Blueberry	#3	Cont.	36" Spd.
17	VC	Vaccinium corymbosum / Highbush Blueberry	#5	Cont.	4 Ht.
33	VP	Vaccinium x Pink Lemonade / Pink Lemonade Blueberry	#5	Cont.	4 Ht.
14	VD	Viburnum dentatum 'Blue Muffin' / Blue Muffin Arrowwood Viburnum	#5	Cont.	4 Ht.
<b>GROUNDCOVERS/PERENNIALS/GRASSES</b>					
265	AFF	Athyrium filix-femina / Lady Fern	#1	Cont.	18" O.C.
210	CPE	Carex pensylvanica / Oak Sedge	#1	Cont.	15" O.C.
130	DER	Dryopteris erythrosora 'Brilliance' / Brilliance Autumn Fern	#1	Cont.	18" O.C.
30	HVI	Heuchera villosa 'Autumn Bride' / Coral Belle	#1	Cont.	18" O.C.
335	HCA	Hypericum calycinum / St. John's Wort	#1	Cont.	18" O.C.
975	IVE	Iris versicolor / Blue Flag Iris	#1	Cont.	15" O.C.
515	JEF	Juncus effusus / Soft Rush	#1	Cont.	18" O.C.
100	MST	Mniotilta pennsylvanica / Ostrich Fern	#1	Cont.	18" O.C.
55	OSE	Oncoclea sensibilis / Sensitive Fern	#1	Cont.	18" O.C.
175	PVP	Panicum virgatum 'Prairie Sky' / Prairie Sky Switchgrass	#1	Cont.	36" O.C.
70	PVR	Panicum virgatum 'Rotstrahlbusch' / Rotstrahlbusch Switchgrass	#1	Cont.	24" O.C.
130	PMU	Pyrozanthum virginianum / Mountain Mint	#1	Cont.	18" O.C.
70	SSC	Schizachyrium scoparium 'The Blues' / Little Bluestem	#1	Cont.	18" O.C.
510	SNO	Symphoricarpos novae-angliae 'Purple Dome' / New England Aster	#1	Cont.	18" O.C.

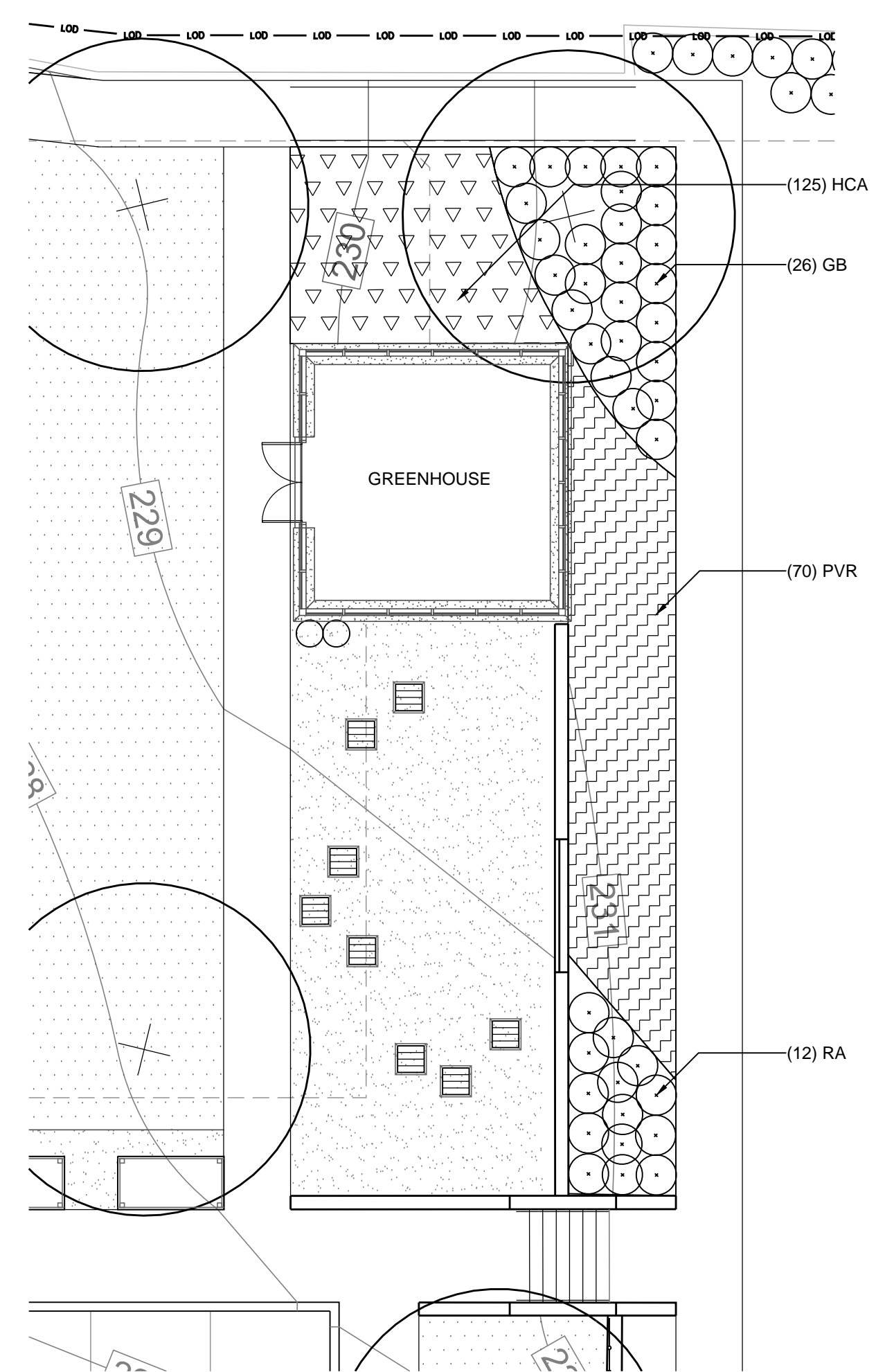
\* Indicates non-native or adapted vegetation as defined by Green Business Certification Inc. (GBCI).



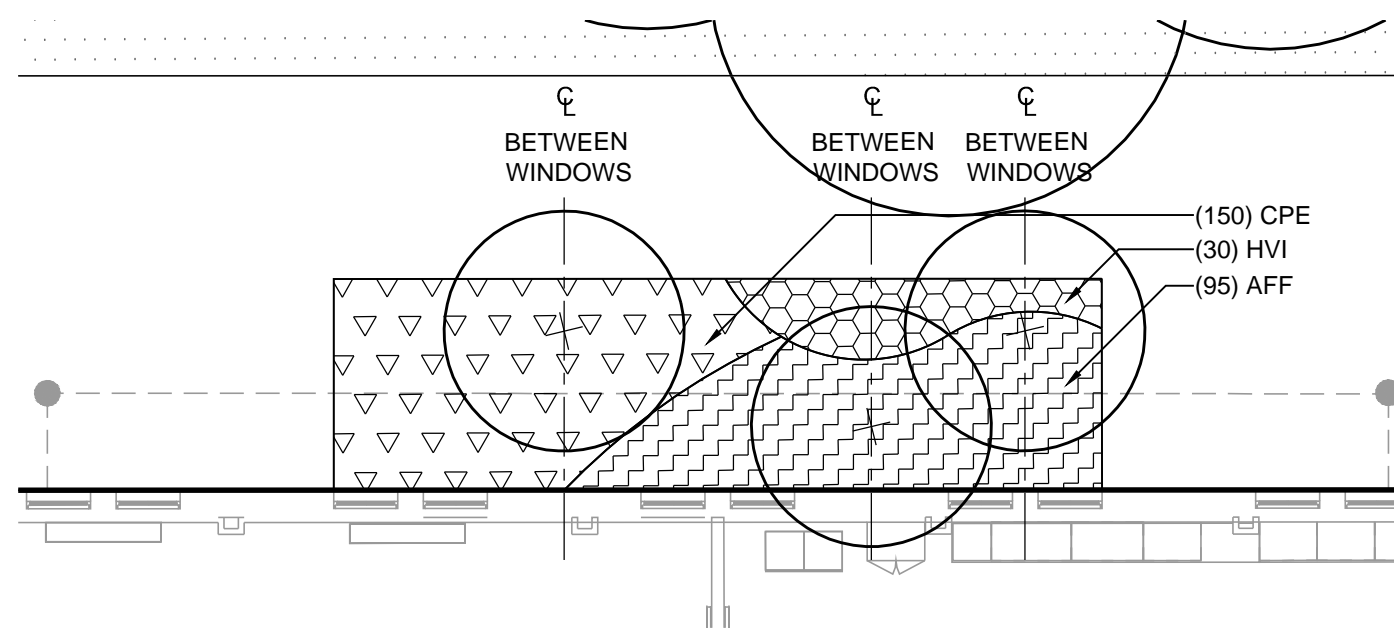
**3 MICRO-BIORETENTION 1 ENLARGEMENT PLAN**  
1"=10'



**4 ENLARGEMENT PLAN**  
1"=10'

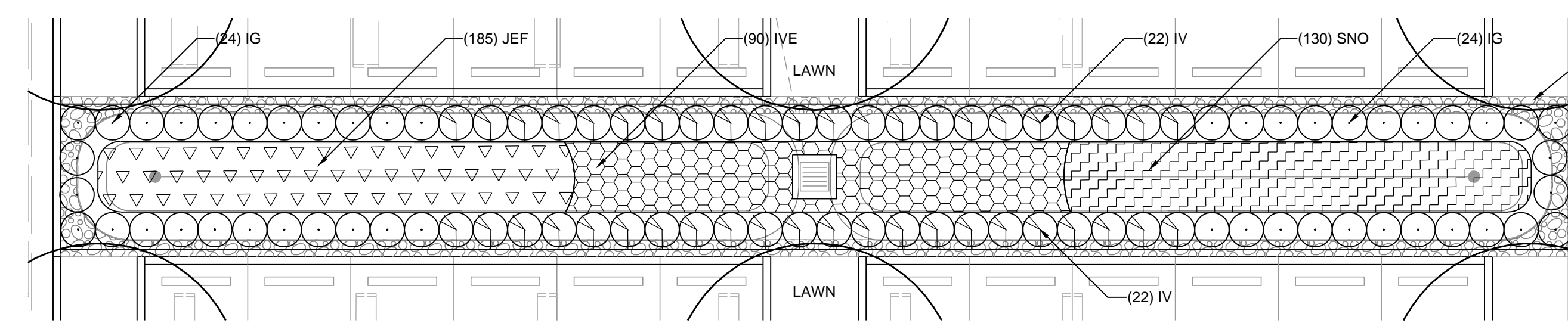


**6 ENLARGEMENT PLAN**  
1"=10'

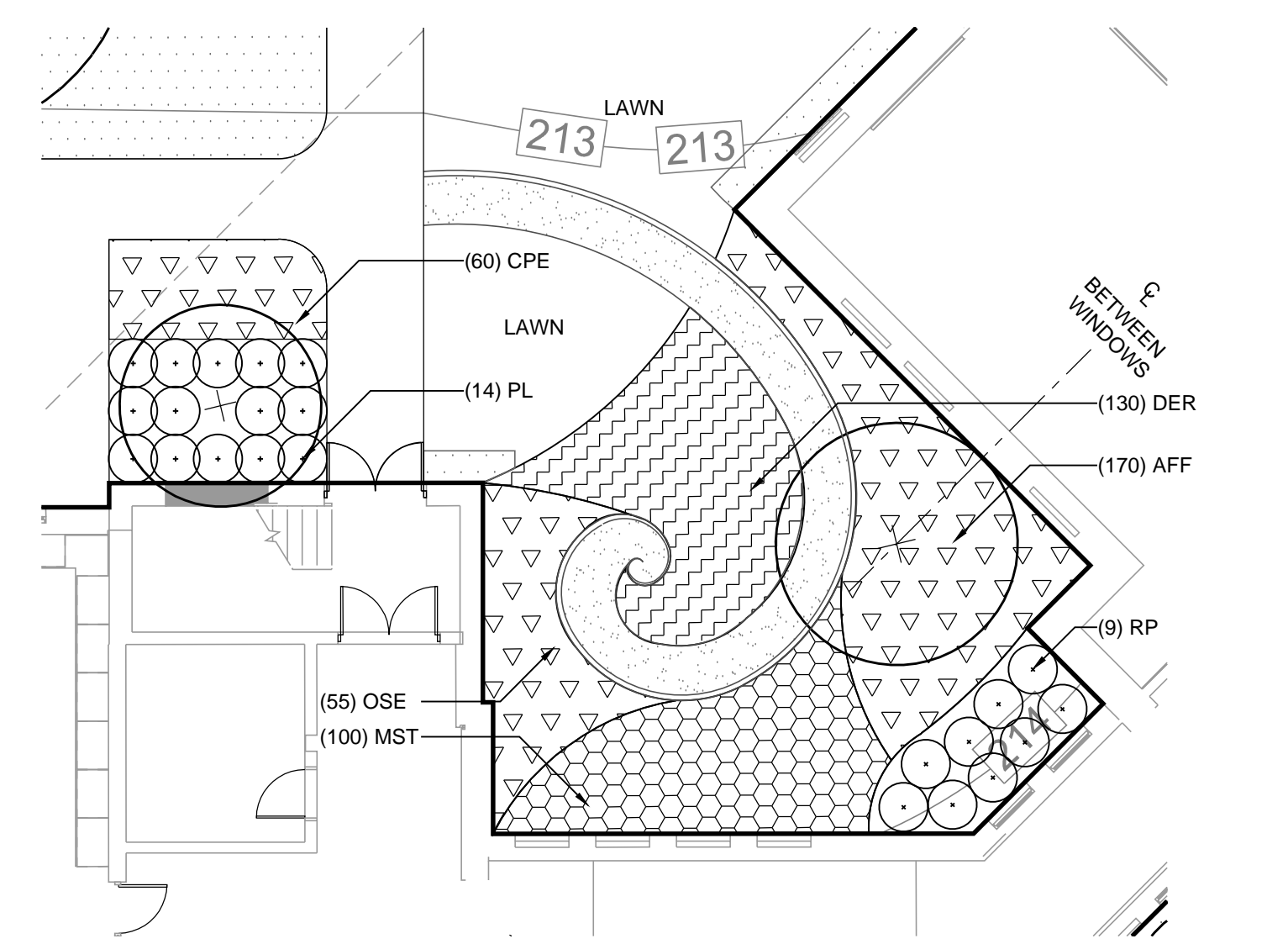


**5 ENLARGEMENT PLAN**  
1"=10'

**NOTES:**  
1. SEE SHEET L2.01 FOR TREE LOCATIONS AND SPECIES.  
2. SEE SHEET L2.01 FOR PLANTS NOT LABELED ON THIS SHEET.



**7 MICRO-BIORETENTION 2 & 3 ENLARGEMENT PLAN**  
1"=10'



**8 ENLARGEMENT PLAN**  
1"=10'

**LANDSCAPE LEGEND**

- PROPERTY LINE
- LIMIT OF DISTURBANCE (LOD)
- TREE PROTECTION FENCING (TPF)
- EXISTING TREE TO REMAIN WITH CRITICAL ROOT ZONE
- PROPOSED SHADE TREE
- PROPOSED EVERGREEN TREE
- PROPOSED FLOWERING TREE
- PROPOSED SHRUBS
- PROPOSED GROUNDCOVER / PERENNIALS / GRASSES
- PERMANENT MULCH AT BASE OF EXISTING TREES SEE SPECIFICATIONS SECTION 32
- UPLAND MEADOW SEED MIX SEE SPECIFICATIONS SECTION 32
- TURFGRASS SOD SEE CIVIL DOCUMENTS

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO. 821  
EXPIRATION DATE 02/11/17

No.	DATE	DESCRIPTION

**BID ISSUE**

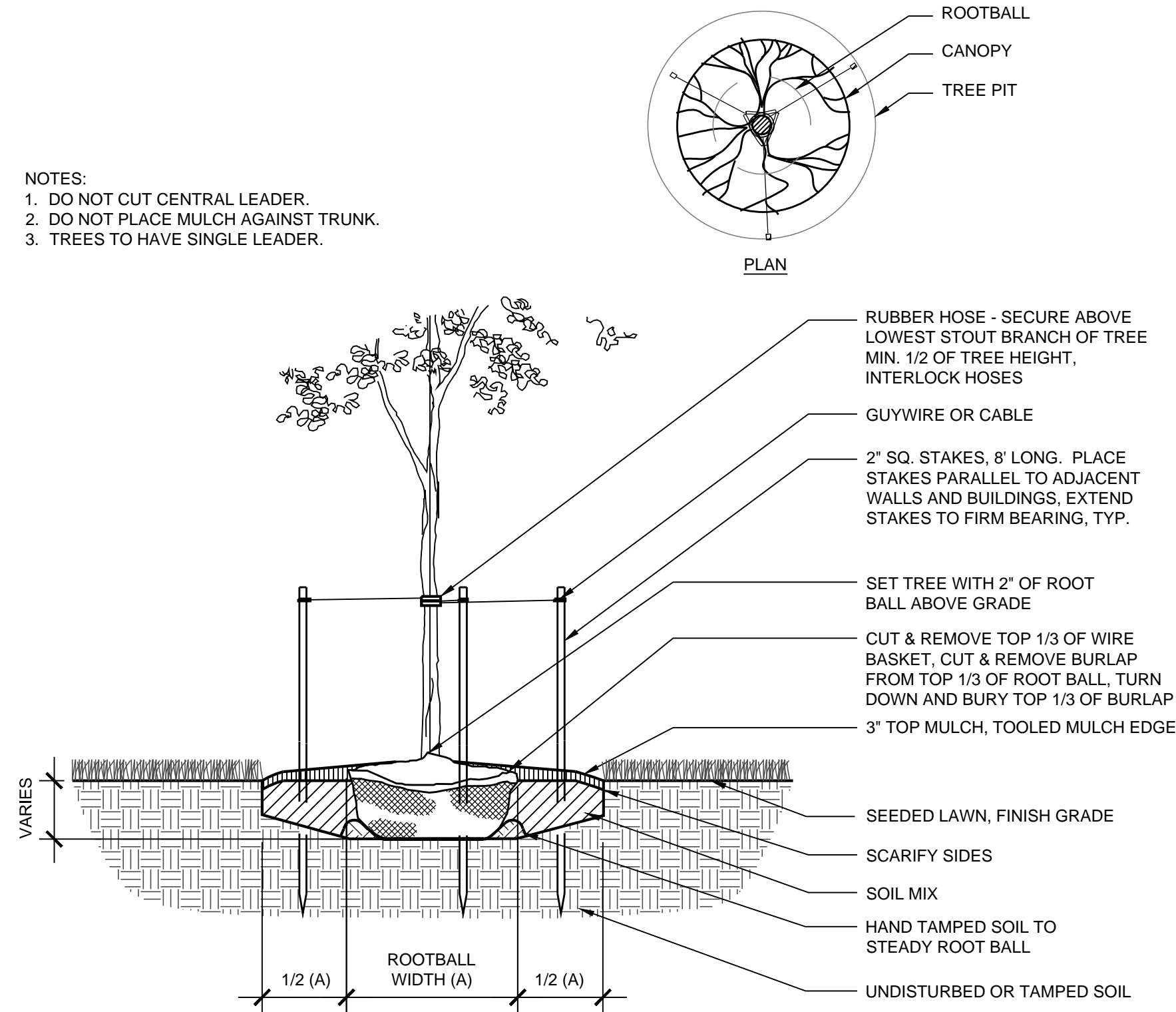
PROJECT No.: 152-01  
DATE: 03/31/16  
SCALE: AS SHOWN  
DRAWING NAME

**Planting Enlargements**

**L2.02**

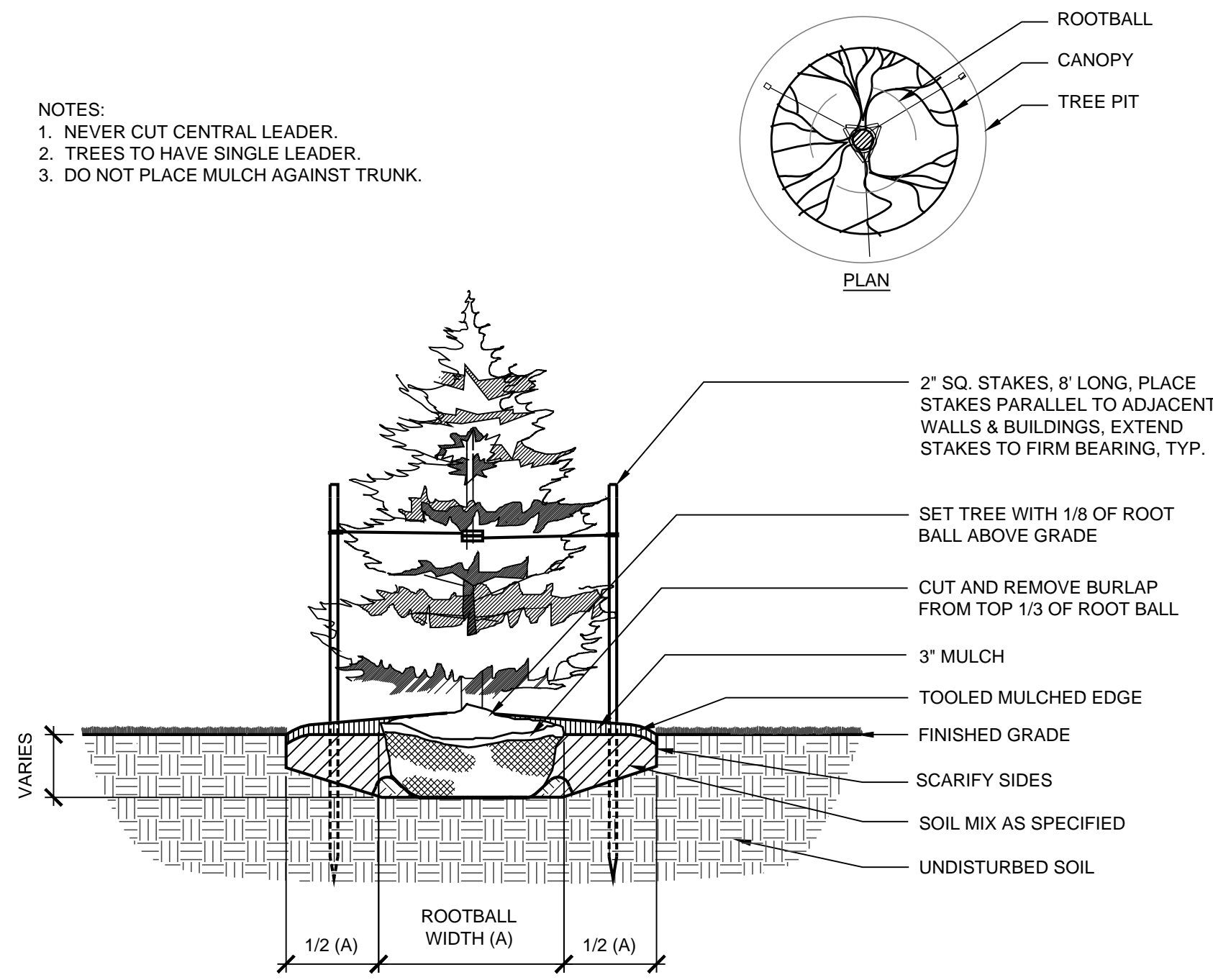
**Baltimore City Public Schools  
 Additions & Renovations at Robert Poole  
 Building #056**

1300 W 36TH ST., BALTIMORE, MD 21211



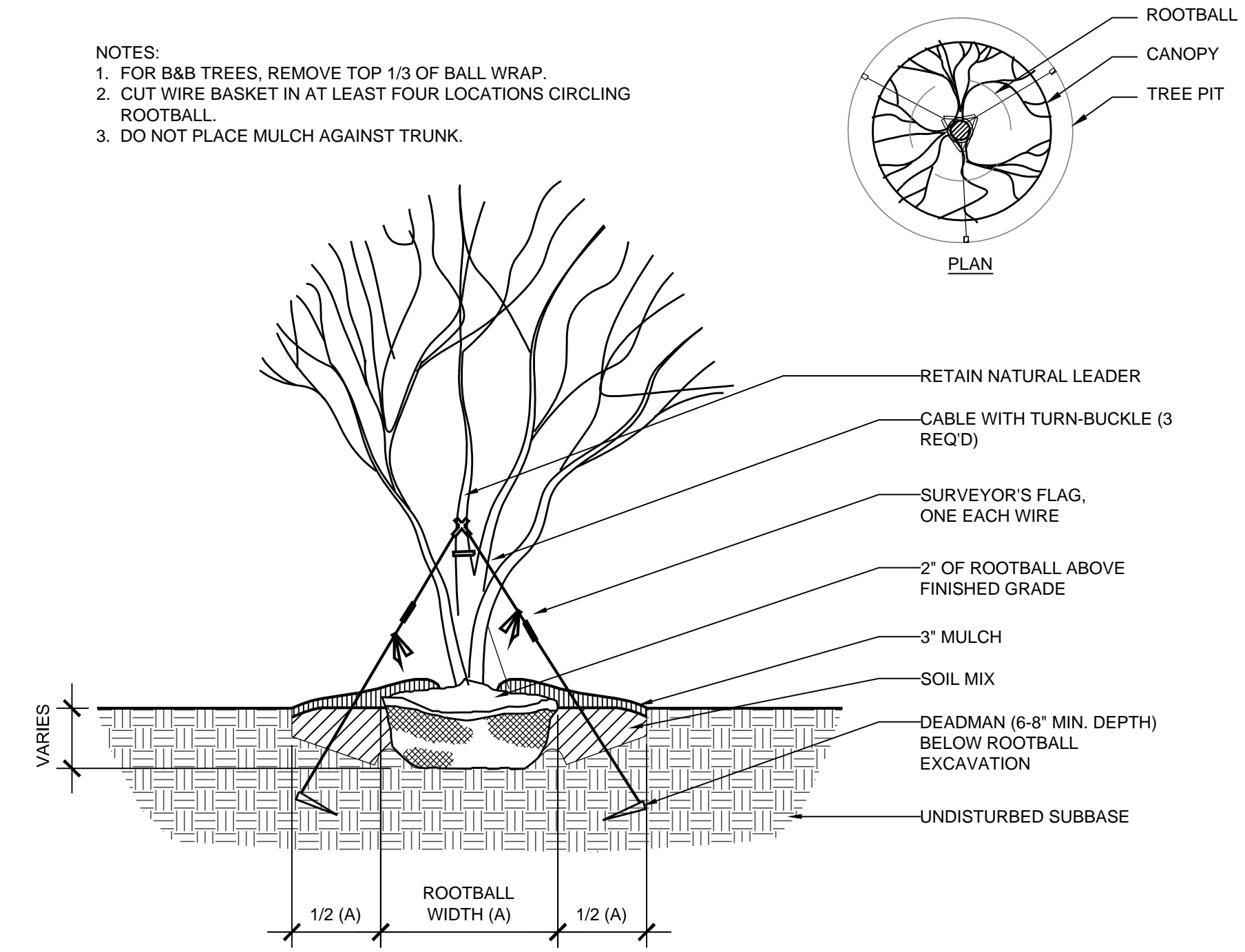
**1 DECIDUOUS TREE PLANTING**

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



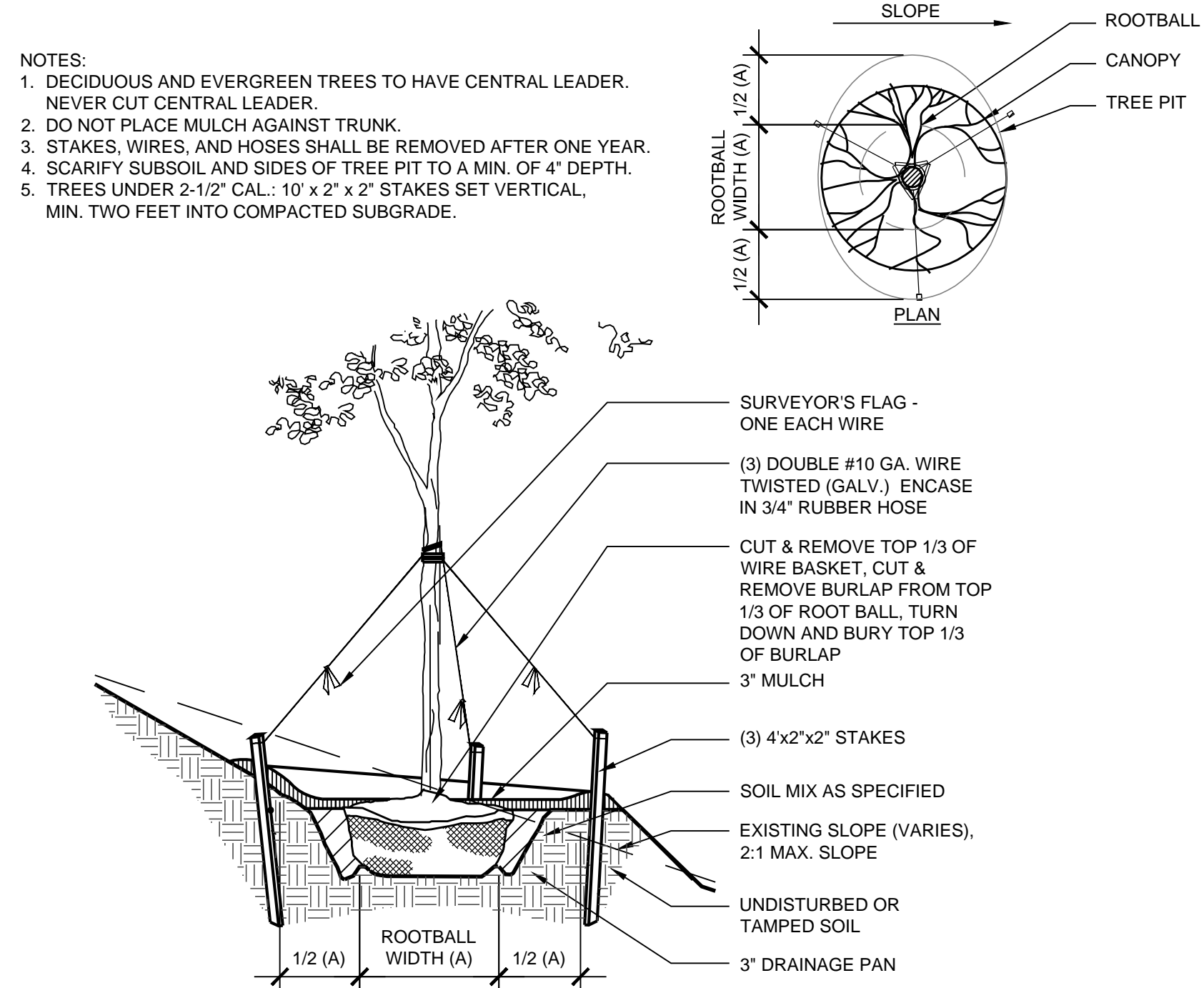
**2 EVERGREEN TREE PLANTING**

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



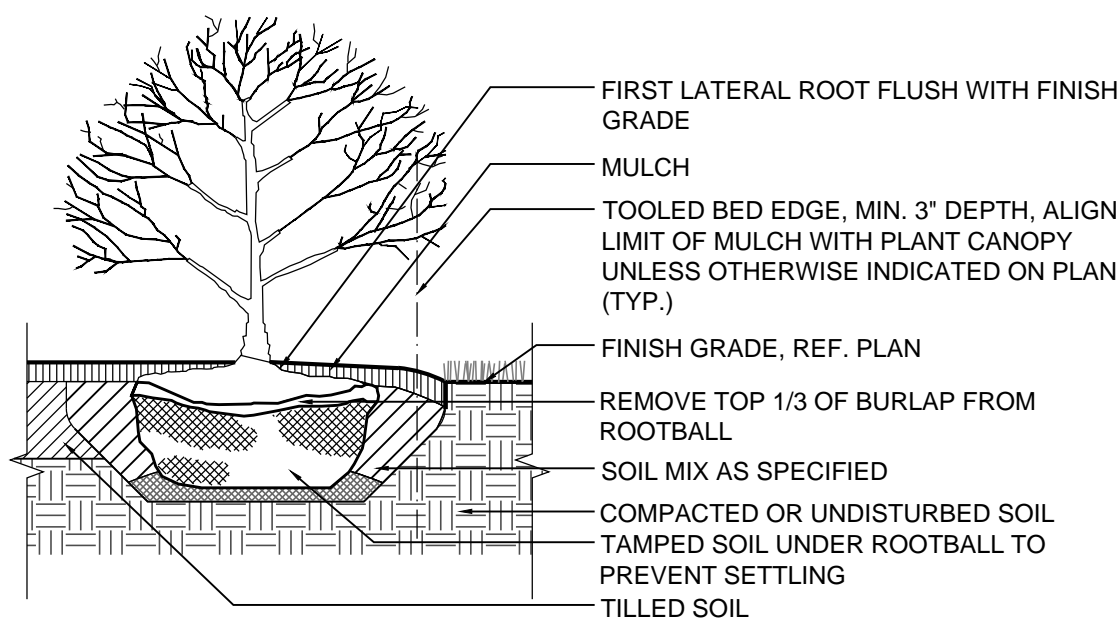
**3 MULTI-STEM TREE PLANTING**

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



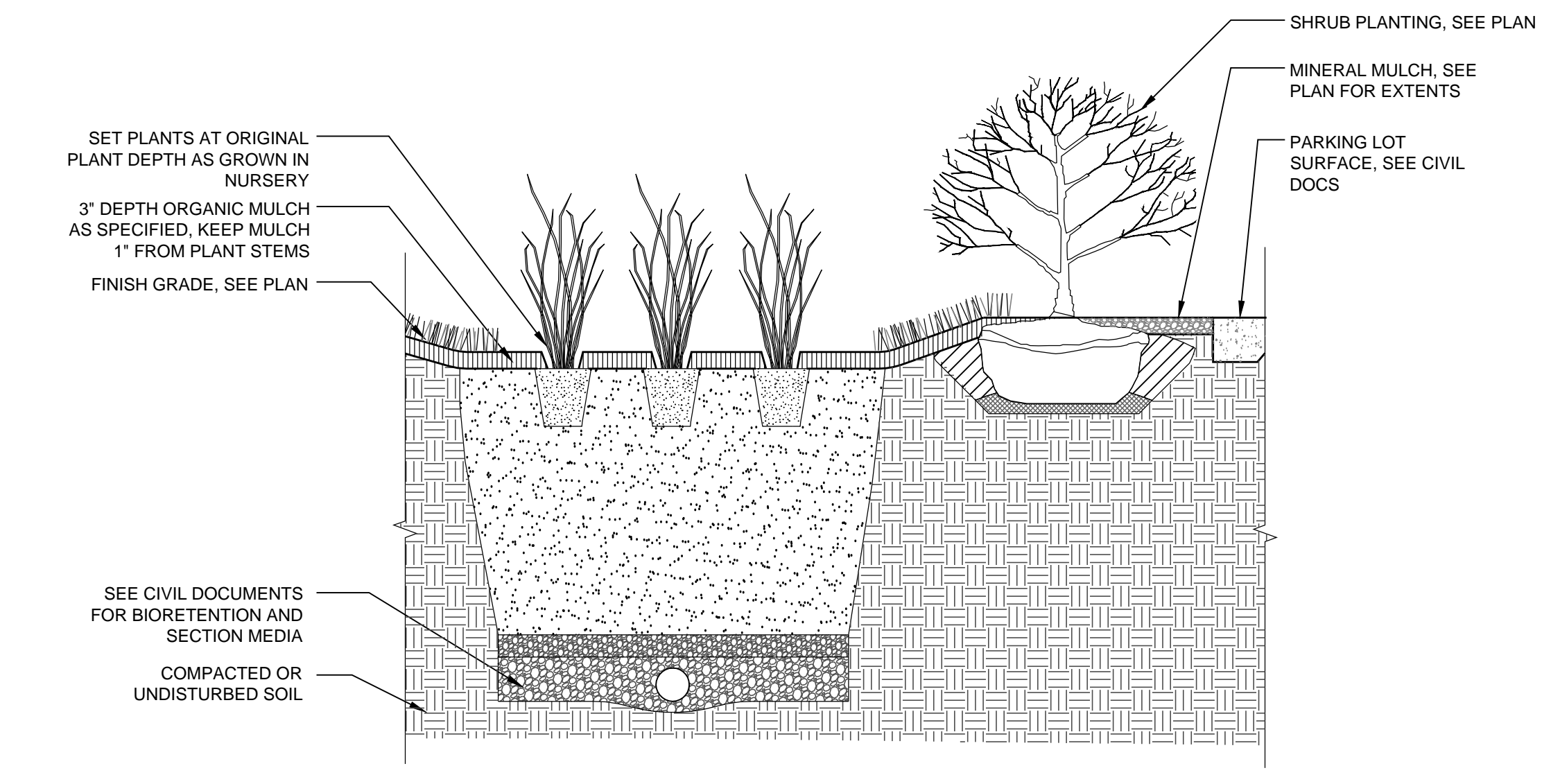
**4 TREE PLANTING ON SLOPE**

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



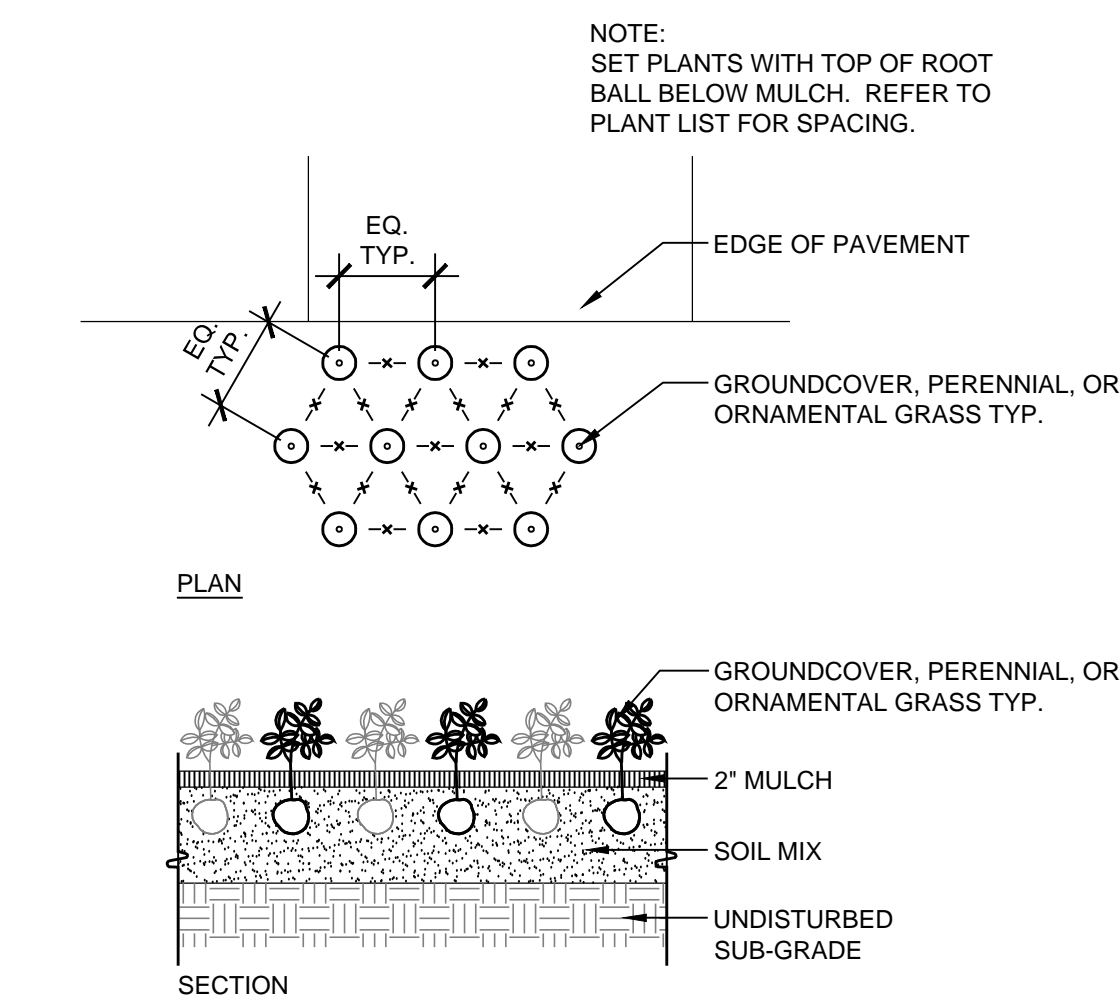
**5 SHRUB PLANTING**

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



**6 BIORETENTION PLANTING**

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



**7 TRIANGULAR SPACING**

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

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.  
 LICENSE NO. 851  
 EXPIRATION DATE: 8/21/17

No.	DATE	DESCRIPTION

**BID ISSUE**

PROJECT No.: 152-01  
 DATE: 03/31/16  
 SCALE: AS SHOWN

DRAWING NAME  
**Planting  
 Details  
 L2.03**