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PATERSON  
UNIVERSITY

OFFICE OF CAPITAL PLANNING, DESIGN, AND CONSTRUCTION  
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973.720.2548 FAX 973.720.2829 • WWW.WPUNJ.EDU

## **ADDENDUM NO 1**

TO: All Prospective Bidders  
DATE: April 4, 2017  
PROJECT: Pedestrian Sidewalk Improvements at Entry 4 (WP-16-13-99)  
Recreation Center Exterior Entrance Improvements (WP-16-16-29)

This Addendum No. 1 forms a part of the contract bidding documents and answers all questions submitted regarding the bidding documents. Please acknowledge receipt of this Addendum No. 1 on Bid Document Checklist (WPU01) and Bid Form (WPU03) included in the Bid Document package.

### **Questions and Answers:**

Q. Spec section 610.03.01D: Can we substitute Thermoplastic traffic marking paint in lieu of epoxy paint for the parking lot lines? Thermoplastic paint is more commonly used on parking lots.

**A. Yes.**

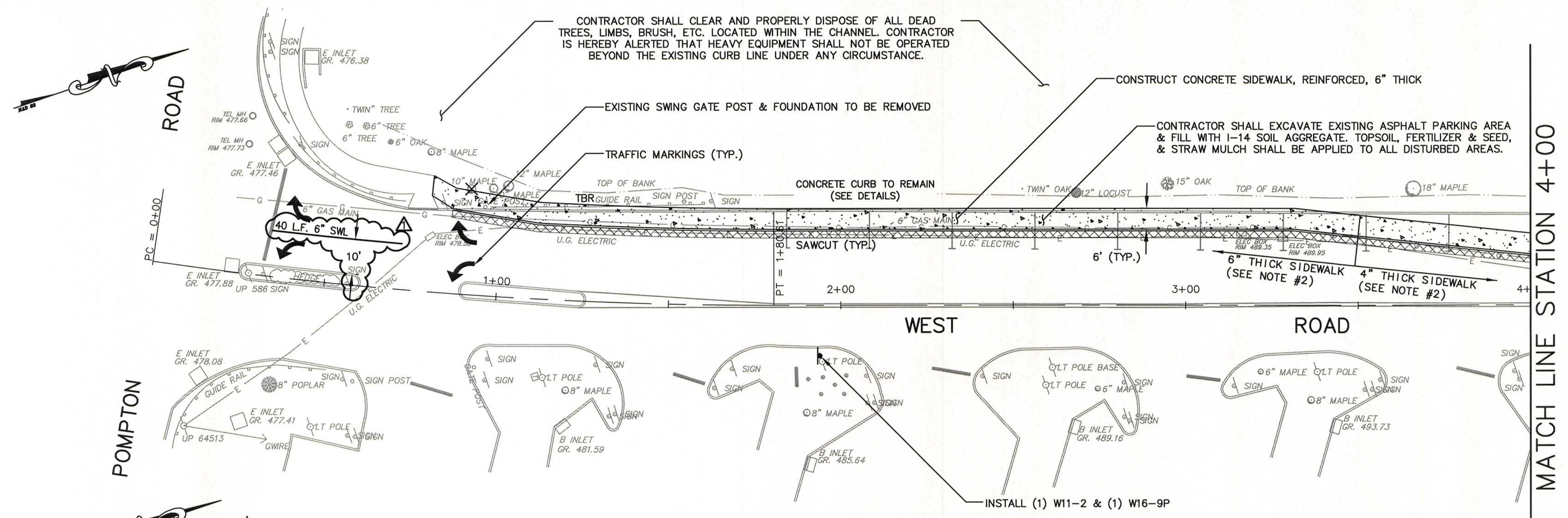
Q. Sheet 7 of 14 and sheet 5 of 14: Drawing 7 shows large RCP pipe as 48", drawing 5 shows pipe as 42", which diameter is correct?

**A. 42" RCP is correct. Attached please find revised Plan Sheet 7.**

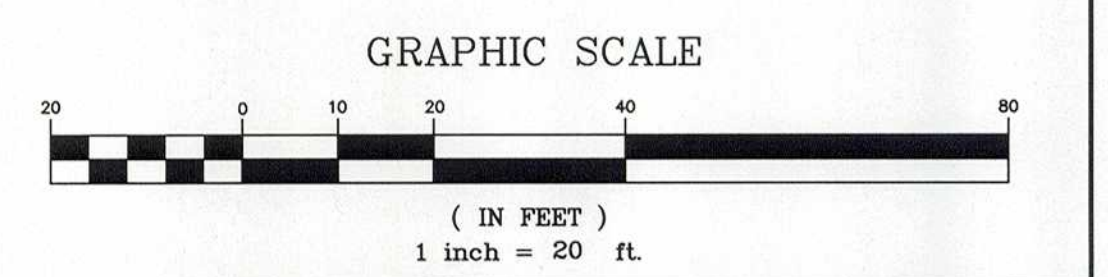
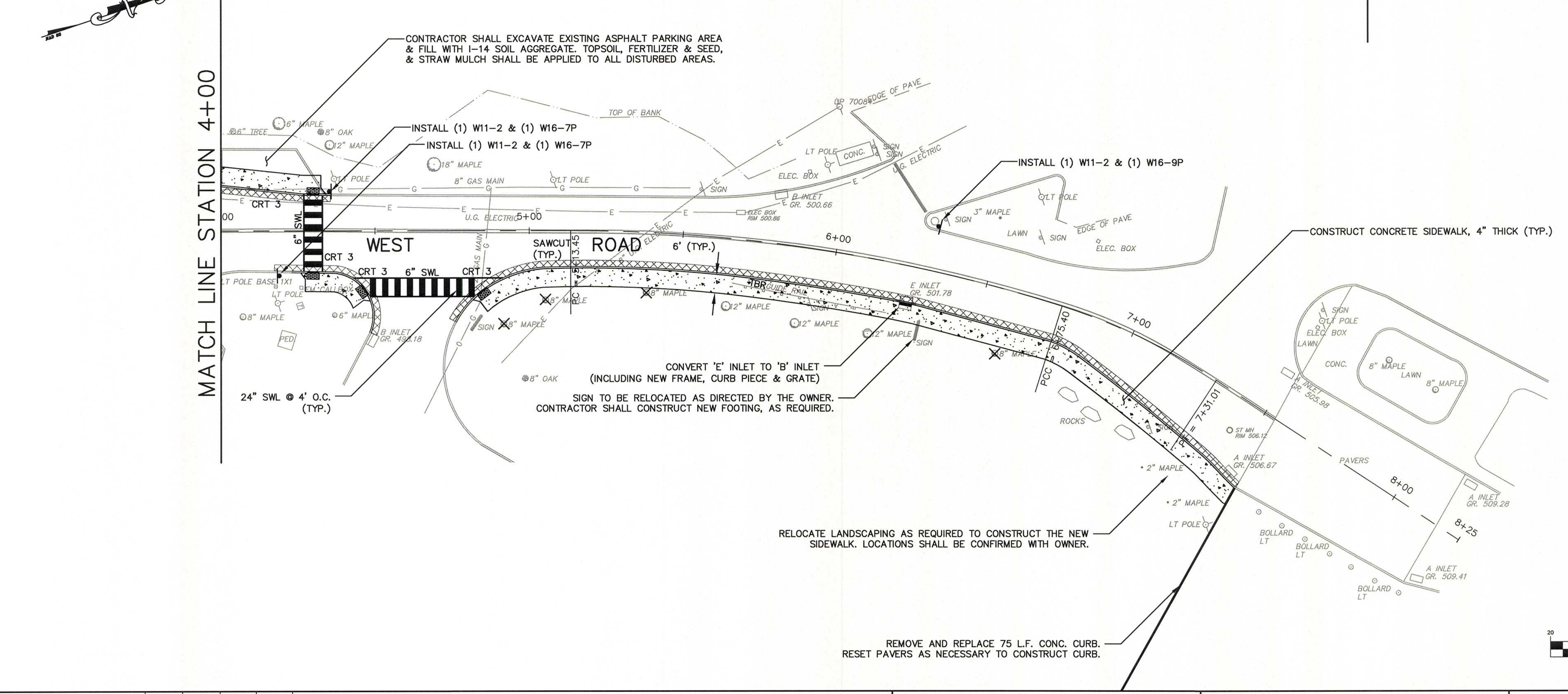
Q. Sheet 14 of 14: Detail "EVERGREEN PLANTING DETAIL" shows 1/3 of a material at bottom of planting pit, please clarify what material that is.

**A. Material is 2/3 topsoil, 1/3 peat moss. Attached please find revised Plan Sheet 14.**

**Note: Addition of 40 LF 6" SWL traffic marking as shown in Sheet 3 of 14.**



- CONSTRUCTION NOTES:**
- CONTRACTOR SHALL GRADE THE SITE AS SHOWN ON THE GRADING AND LAYOUT PLAN.
  - CONCRETE SIDEWALK, REINFORCED, 6" THICK SHALL BE INSTALLED FROM STATION 0+75 TO STATION 3+50. REFER TO CONSTRUCTION DETAILS FOR SPECIFICS.
  - CONTRACTOR SHALL REMOVE TRAFFIC STRIPES/MARKINGS AS REQUIRED TO INSTALL NEW STRIPES/MARKINGS.



NO.	DATE	ADDENDUM #1	DESCRIPTION	SURVEYED BY	DRAWN BY	CHECKED BY
1	3/30/17			JJM	JJM	CJN

PLOT BY: jmcginis PLOT DATE: 3/30/2017 8:12 AM

**Boswell ENGINEERING**  
 EST. 1924  
 ENGINEERS — SURVEYORS — PLANNERS — SCIENTISTS  
 330 PHILLIPS AVENUE, SOUTH HACKENSACK, N.J. 07606  
 TEL: (201) 641-0770 • FAX: (201) 641-1831  
 N.J. CERTIFICATE OF AUTHORIZATION NO. 246A27958000

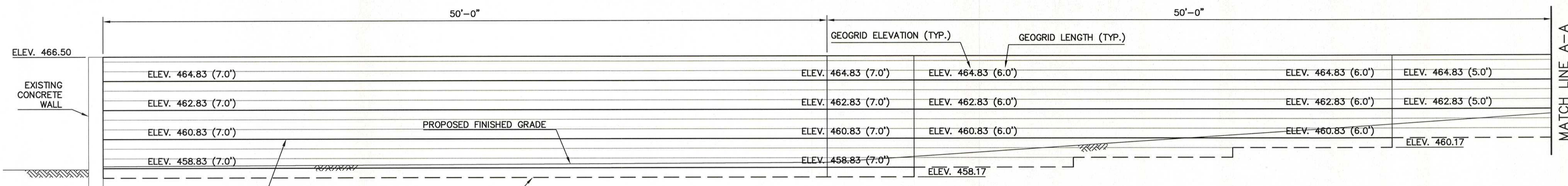
**STEPHEN T. BOSWELL**  
 PROFESSIONAL ENGINEER N.J. LIC. 34680

**CHRISTOPHER J. NASH**  
  
 PROFESSIONAL ENGINEER N.J. LIC. 31605

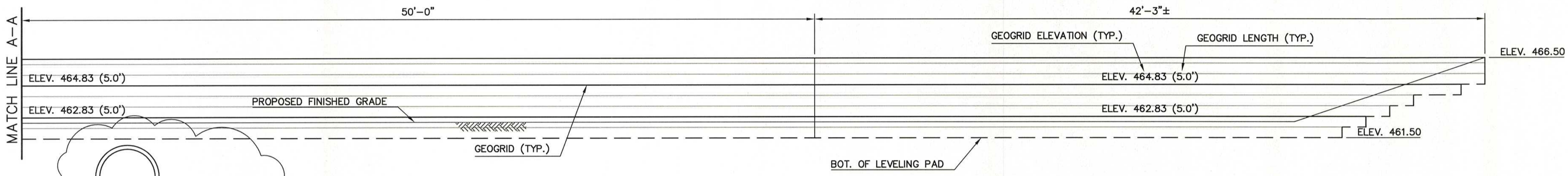
**ENTRY 4 SIDEWALK & RECREATION CENTER ENTRANCE IMPROVEMENTS**  
 ENTRY 4  
**CONSTRUCTION PLAN**  
 TOWNSHIP OF WAYNE  
 PASSAIC COUNTY NEW JERSEY

SURVEYED BY: AB	DESIGNED BY: JJM	SCALE: 1"=20'	JOB NO. 16-119-BE	DATE: 3/17/17
DRAWN BY: JJM	CHECKED BY: CJN			

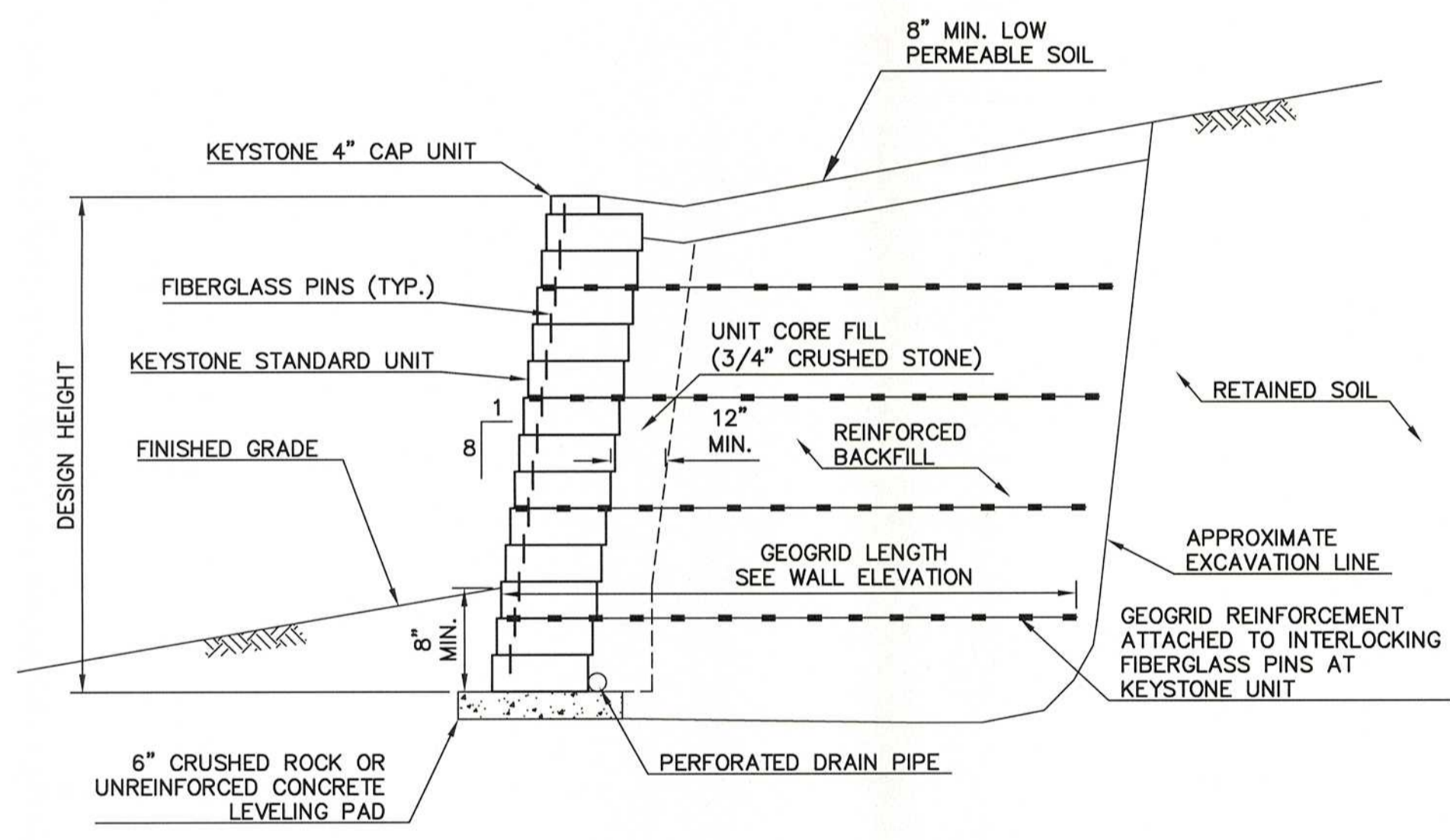
CADD FILE: 16-119-CP(BE) SHEET 3 OF 14



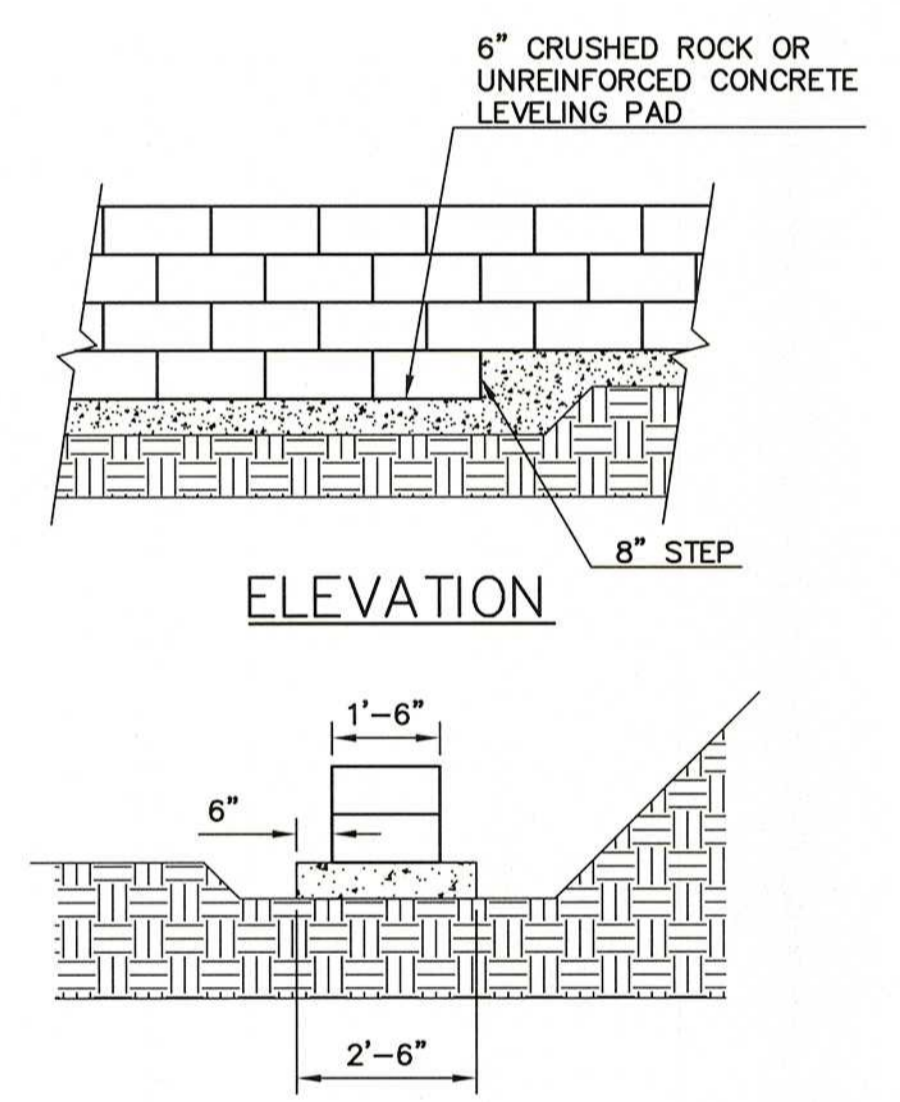
**WALL ELEVATION**  
SCALE: 1/4" = 1'-0"



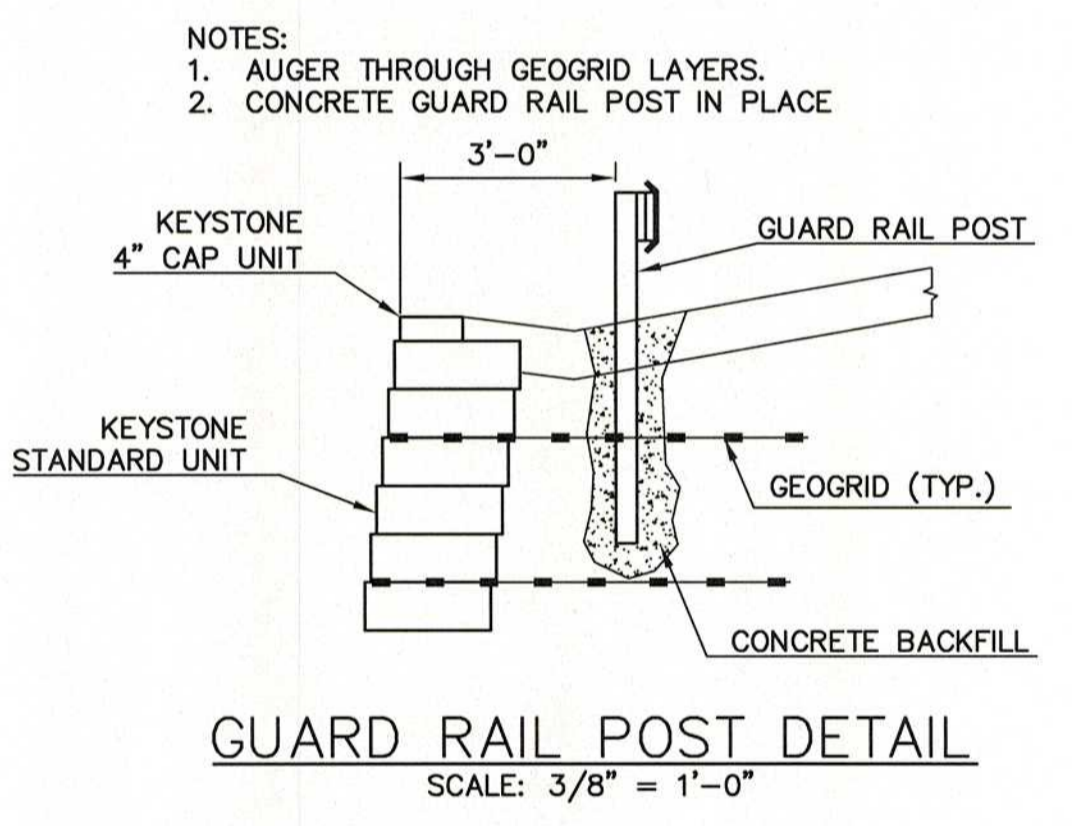
**WALL ELEVATION**  
SCALE: 1/4" = 1'-0"



**TYPICAL WALL SECTION**  
SCALE: N.T.S.



**SECTION LEVELING PAD DETAIL**  
SCALE: 3/8" = 1'-0"



**GUARD RAIL POST DETAIL**  
SCALE: 3/8" = 1'-0"

**GENERAL NOTES:**

- FOUNDATION EXCAVATION:**
  - EXCAVATIONS NEAR ADJACENT STRUCTURES SHALL BE SHEATHED AND SHORED TO PREVENT UNDERMINING OR DISTURBANCE TO EXISTING FOOTINGS AND/OR STRUCTURES.
  - CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT SURFACE RUN OFF FROM ENTERING THE EXCAVATIONS.
  - THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO PROTECT AND MAINTAIN THEIR FACILITIES. DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS SO AS NOT TO DAMAGE UNDERGROUND UTILITIES AND EXISTING STRUCTURES SCHEDULED TO REMAIN. ALL DAMAGE DONE TO EXISTING UTILITIES AND STRUCTURAL MEMBERS SCHEDULED TO REMAIN, SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- EXISTING DIMENSIONS:** CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON DRAWINGS, CONTRACTOR SHALL USE FIELD CONDITIONS AND DIMENSIONS AND MAKE APPROPRIATE CHANGES TO THOSE SHOWN ON THE DRAWINGS AS APPROVED BY THE ENGINEER.
- UTILITY:** IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES IN THE FIELD (ABOVE AND BELOW THE GROUND) BEFORE THE CONSTRUCTION.
- FOUNDATION:**
  - ASSUMED PROPERTIES OF SOIL
    - RETAINED ZONE:
      - UNIT WEIGHT OF SOIL = 120 PCF
      - ANGLE OF INTERNAL FRICTION = 30°
    - FOUNDATION SOIL:
      - UNIT WEIGHT OF SOIL = 120 PCF
      - ANGLE OF INTERNAL FRICTION = 30°
      - REINFORCED SOIL IN ACCORDANCE WITH REINFORCED BACKFILL SPECIFICATIONS:
        - UNIT WEIGHT OF SOIL = 125 PCF
        - ANGLE OF INTERNAL FRICTION = 32°
  - ALL SOIL PROPERTIES MUST BE FIELD VERIFIED DURING CONSTRUCTION.
  - ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR SUPERVISED COMPACTED FILL, FREE OF FROST HAVING A MINIMUM SOIL BEARING PRESSURE CAPACITY OF 3.0 KSF.
  - ALL FILL SHALL BE COMPACTED IN 8 INCH THICK LAYERS TO 95% MAXIMUM DENSITY.
  - IF WATER TABLE IS LOCATED ABOVE OR NEAR FOOTING BOTTOM, THE ENGINEER SHALL BE CONTACTED.
  - THE RETAINING WALL WILL REQUIRE A CERTIFICATION BY A PROFESSIONAL ENGINEER THAT HE/SHE HAS PROVIDED ON-SITE INSPECTION DURING THE WALL CONSTRUCTION INCLUDING BASE COURSE, GEOGRID INSTALLATION, BACKFILL PLACEMENT, COMPACTION, MOISTURE CONTROL, AND DRAINAGE SYSTEM IN ACCORDANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS, THE WALL HAS BEEN PROPERLY STABILIZED, AND THE WALL WILL PROVE ADEQUATE FOR THE INTENDED PURPOSE. INSPECTING ENGINEERS MUST ALSO CERTIFY THAT APPROPRIATE BATTER, HEIGHT AND LOCATION HAVE BEEN ADHERED TO PURSUANT TO THE APPROVED DESIGN DRAWINGS.
- MASONRY UNITS**
  - ALL MASONRY BLOCK SHALL BE KEYSTONE STANDARD UNITS WITH APPROXIMATE DIMENSIONS OF 8" HIGH X 18" WIDE X 18" DEEP OR APPROVED EQUAL.
  - CAP UNITS SHALL BE KEYSTONE 4" CAPSTONE OR APPROVED EQUAL.
  - THE OWNER SHALL CHOOSE THE COLOR, TEXTURE, AND STYLE OF MASONRY BLOCK FROM THE MANUFACTURER'S FULL SELECTION. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF FOUR (4) SAMPLES OF THE MASONRY BLOCK TO THE OWNER.
- GEOGRID**
  - GEOGRID SHALL BE MIRAFI 3XT OR APPROVED EQUAL REQUIREMENTS.
  - GEOGRID LAP LENGTH SHALL BE MINIMUM 18" UNLESS OTHERWISE NOTED.
- SEE SHEET 6 FOR KEYSTONE WALL LOCATION.

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1	3/30/17	ADDENDUM #1		TWO	TWO	JRV

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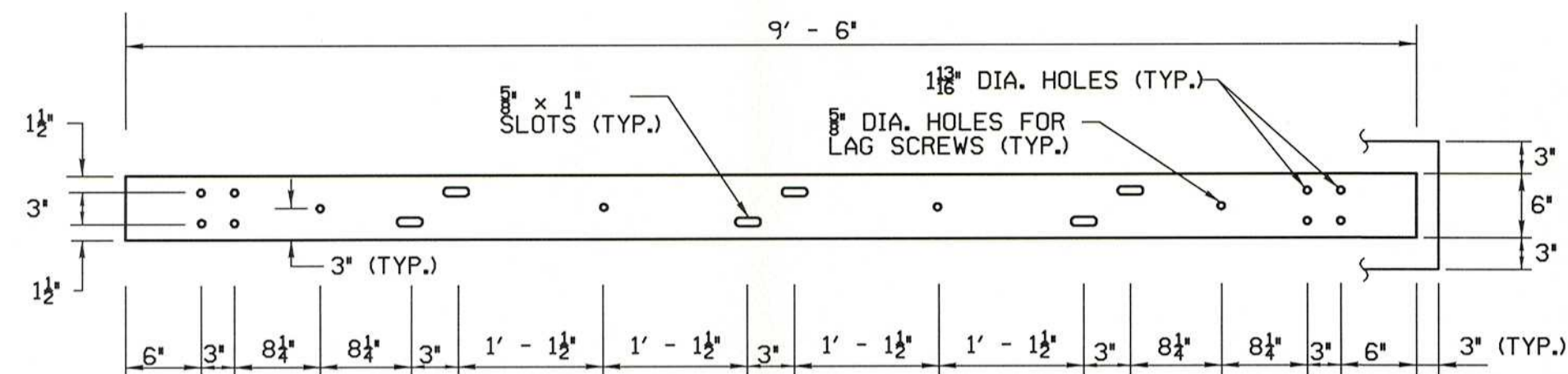
**STEPHEN T. BOSWELL**  
PROFESSIONAL ENGINEER N.J. LIC. 34680

**JOHN R. VALENTIN**  
PROFESSIONAL ENGINEER N.J. LIC. 37568

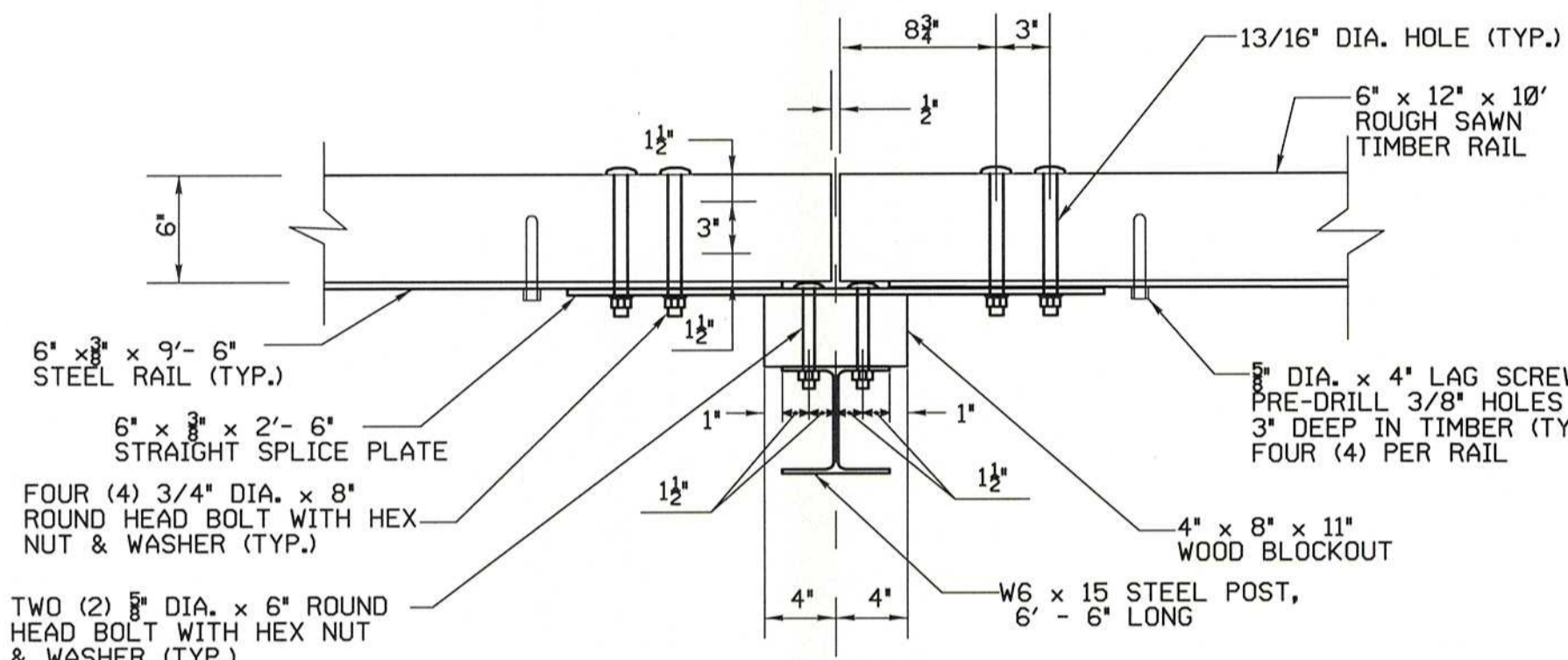
ENTRY 4 SIDEWALK & RECREATION  
CENTER ENTRANCE IMPROVEMENTS  
**WALL ELEVATION AND DETAILS**  
TOWNSHIP OF WAYNE  
PASSAIC COUNTY NEW JERSEY

SURVEYED BY: TWO	DESIGNED BY: TWO	SCALE: AS NOTED	JOB NO. 16-119-E	DATE: 3/17/17
DRAWN BY: TWO	CHECKED BY: JRV			

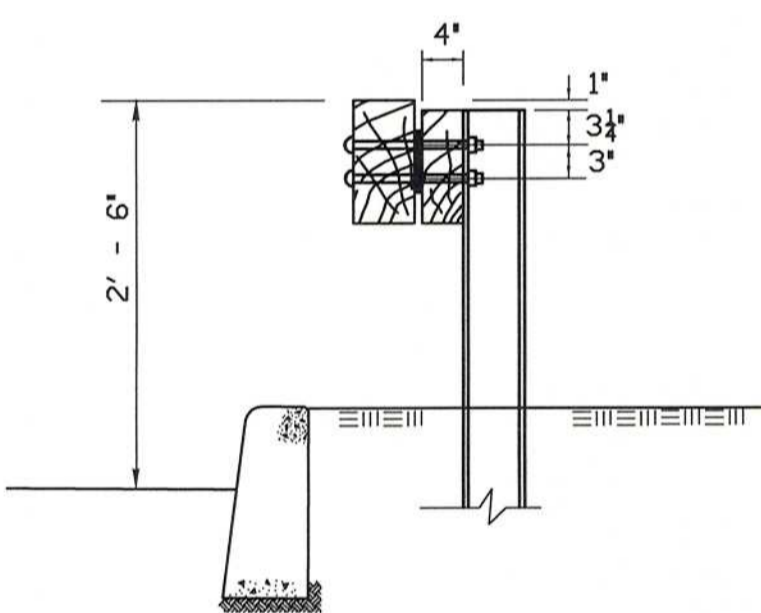
CADD FILE: 16-119-ST (E) SHEET 7 OF 14



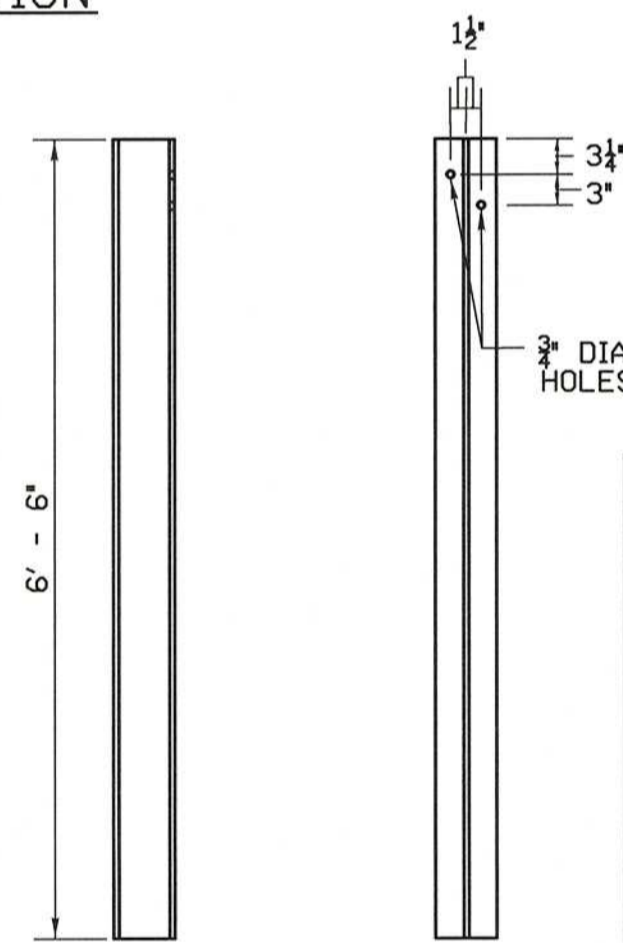
(REAR VIEW)  
STANDARD STEEL RAIL DETAIL  
6" x 3/8" x 9'-6"



POST CONNECTION



SECTION



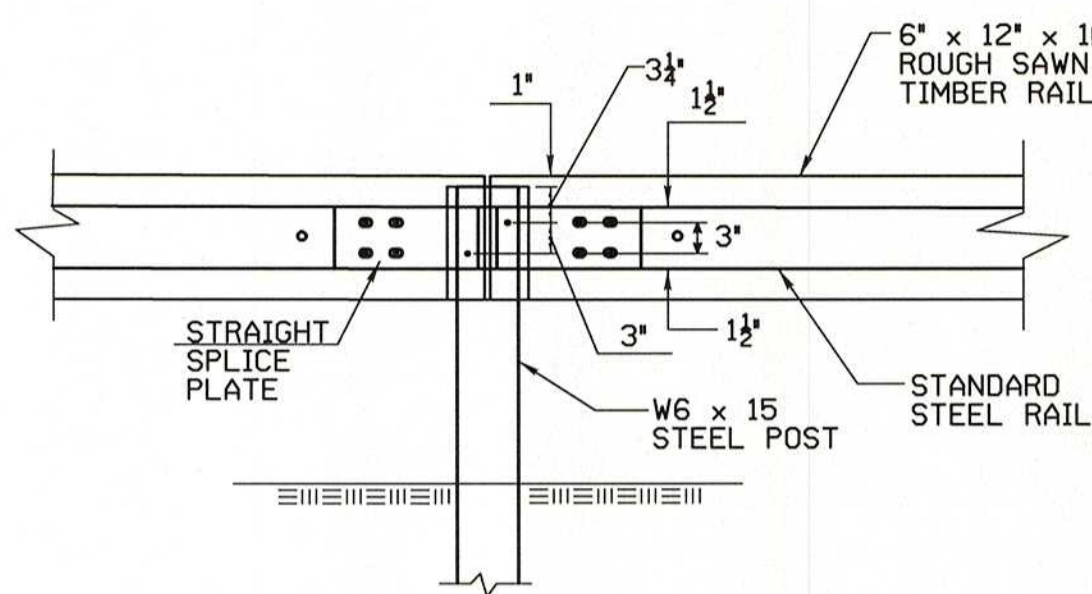
SIDE VIEW FRONT VIEW

POST DETAIL  
W6 X 15  
WITH CURBING

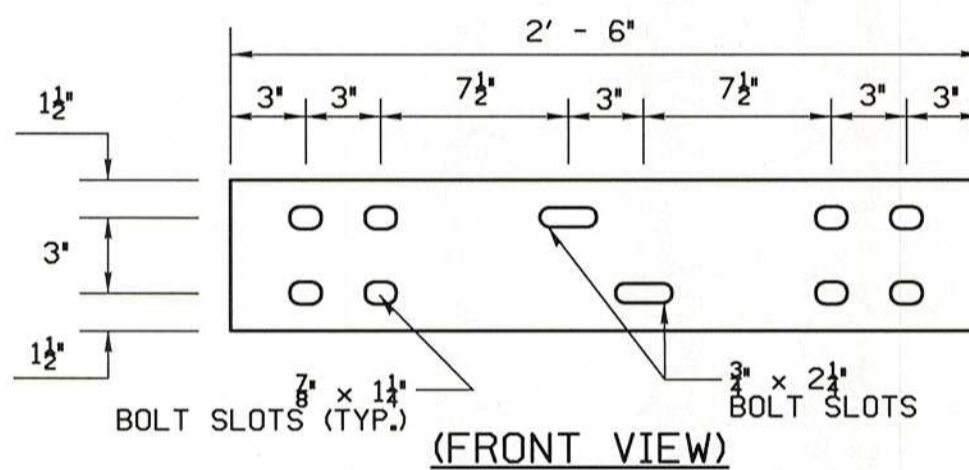
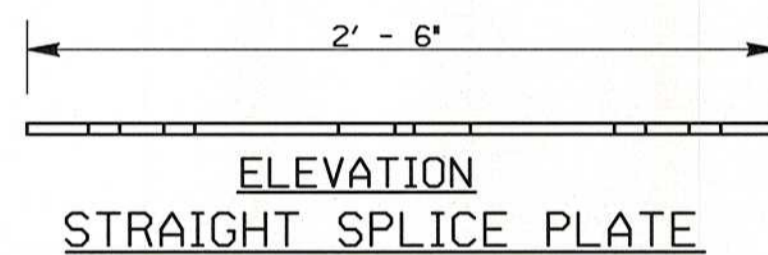
**GENERAL NOTES:**

1. POSTS SHALL BE SPACED AT 10' ON CENTER.
2. ALL STEEL FOR PLATES AND POSTS SHALL BE ASTM A 709, GRADE 36.
3. ALL STEEL COMPONENTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 123.
4. ALL BOLTS SHALL BE ASTM A 325, TYPE I, AND GALVANIZED IN ACCORDANCE WITH ASTM A 153.
5. TWO ADDITIONAL 5/8" DIA. X 4" LONG LAG SCREWS AND WASHERS SHALL BE INSTALLED AT ALL MID-SPAN POINTS FOR STANDARD SYSTEMS.
6. ALL CONNECTION HARDWARE SHALL BE SUFFICIENTLY TIGHTENED TO ACCOMMODATE FOR SHRINKAGE OF THE WOOD ELEMENTS.

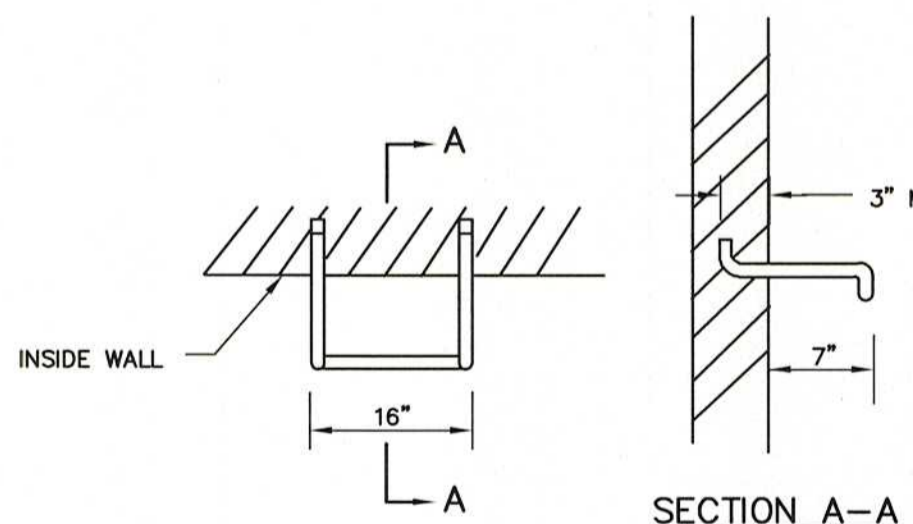
TIMBER GUIDE RAIL  
N.T.S.



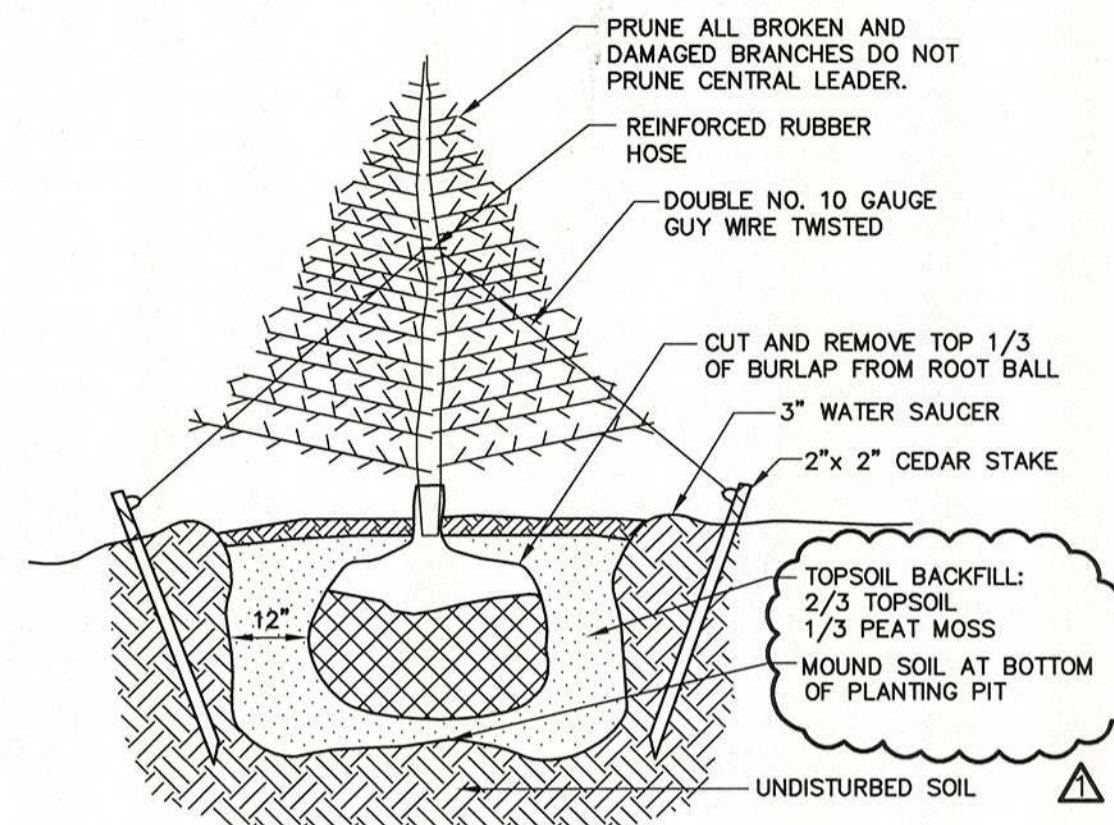
REAR VIEW ELEVATION  
POST CONNECTION



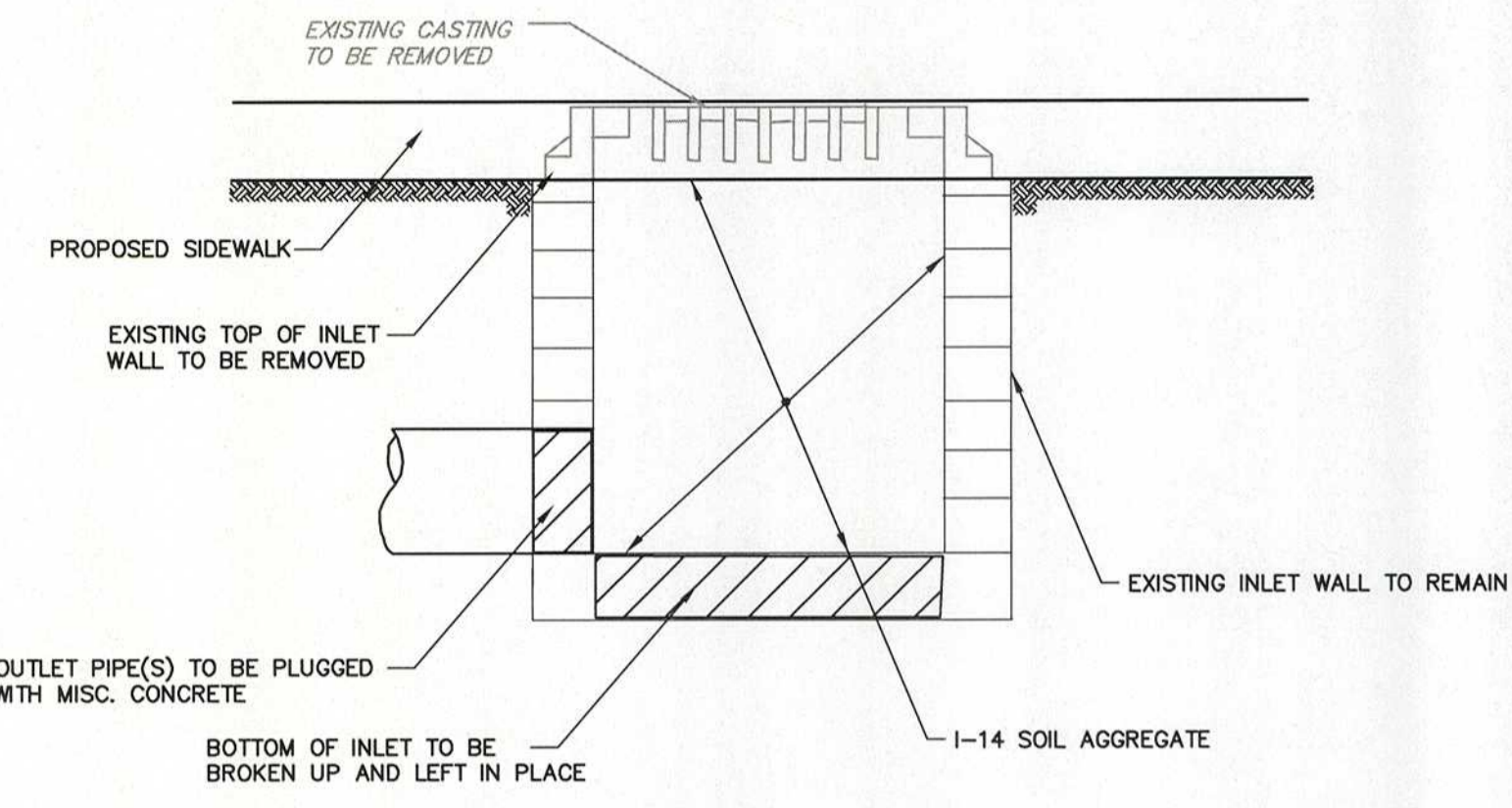
(FRONT VIEW)  
STEEL SPLICE PLATE DETAIL  
6" x 3/8" x 2'-6"



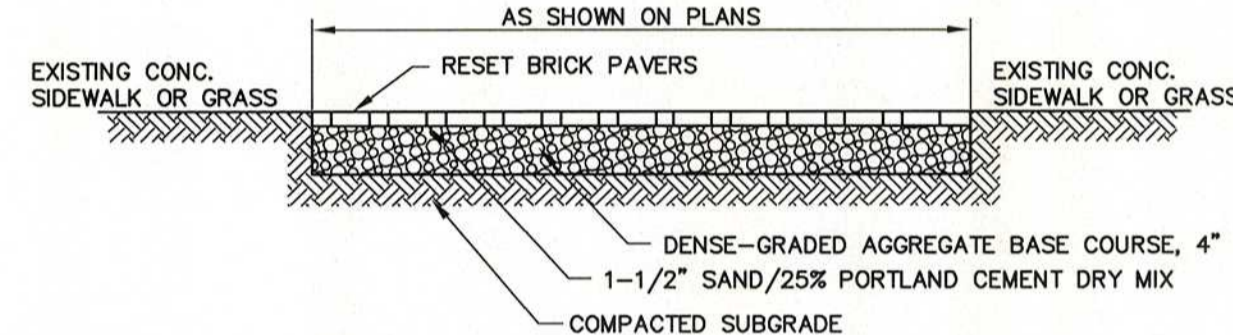
NOTE: LADDER RUNGS SHALL FACE TRAFFIC  
SECTION A-A  
LADDER RUNG  
N.T.S.



EVERGREEN TREE PLANTING DETAIL  
N.T.S.



INLET REMOVAL DETAIL  
N.T.S.

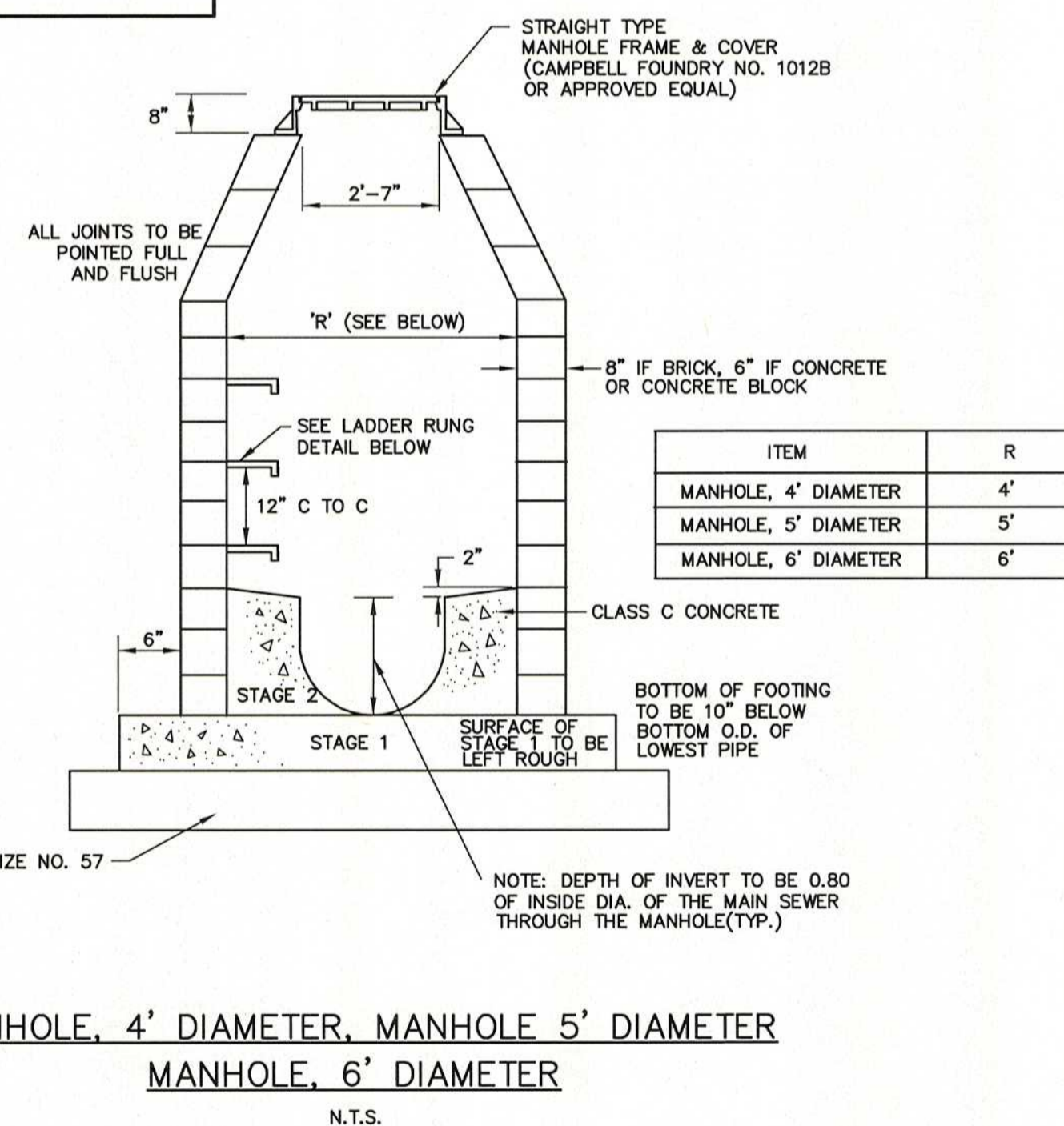


- NOTES:
1. LEAVE 3-1/4" FROM TOP OF SAND TO FINISH GRADE. PLACE BLOCK, TAMP AND VIBRATE BLOCK TO FINISH GRADE. NO GROUT OR DRY MIX TO BE PLACED BETWEEN BLOCKS.
  2. ANY DAMAGE TO BRICK PAVERS SHALL BE REPAIRED OR REPLACED IN KIND AT NO ADDITIONAL COST TO THE OWNER.

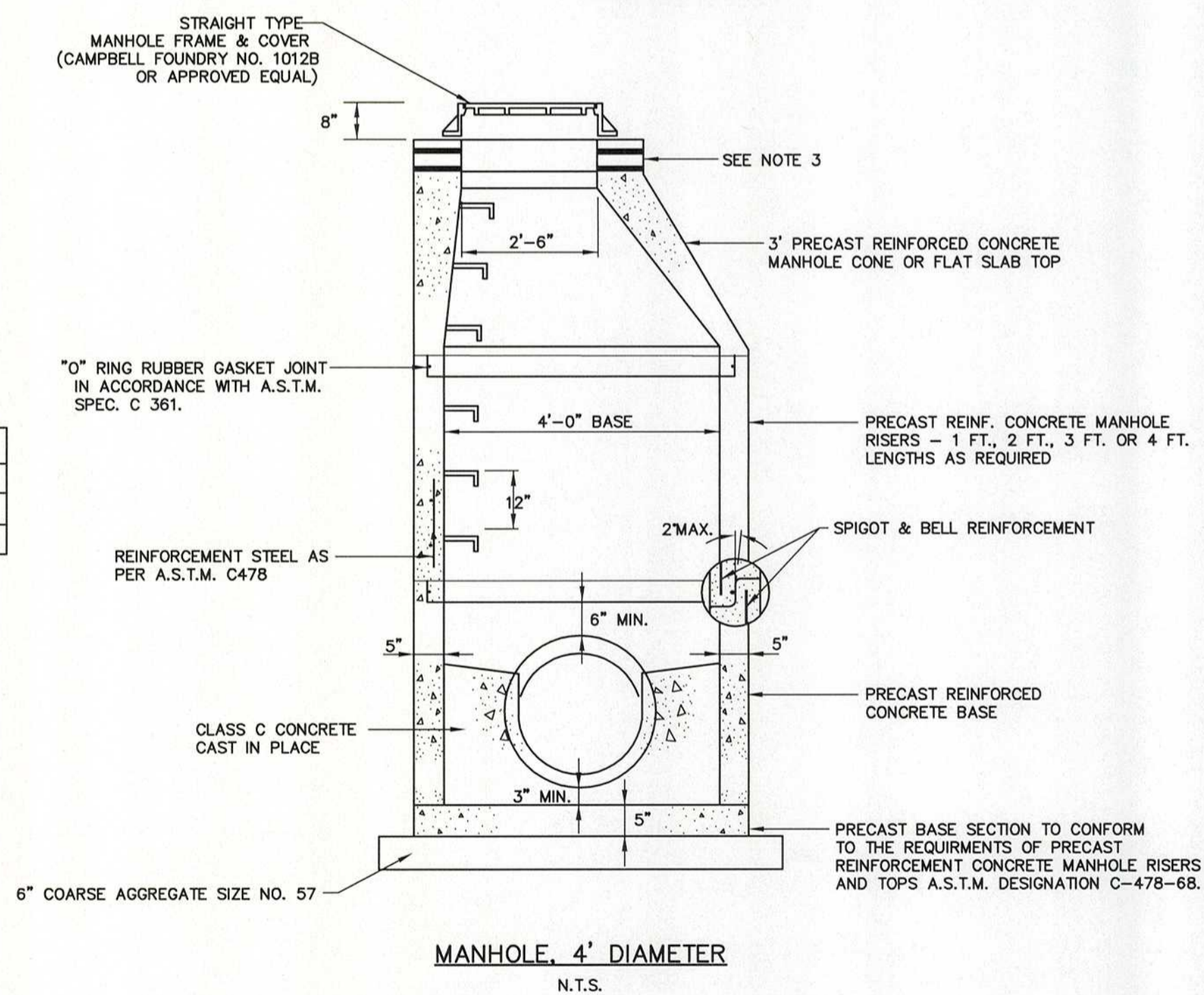
RESET BRICK PAVERS  
N.T.S.

**MANHOLE NOTES**

1. MANHOLES MAY BE CONSTRUCTED OF BRICK, CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE.
2. WHEN THE DEPTH OF A MANHOLE EXCEEDS 10 FT., AS MEASURED FROM TOP OF COVER TO INVERT, WALLS OF BRICK, CONCRETE OR CONCRETE BLOCK BELOW A DEPTH OF 8 FT., SHALL BE 12" THICK. THE OVERALL HORIZONTAL DIMENSIONS SHALL BE INCREASED 12" AND THE DEPTH OF THE FOUNDATION INCREASED TO 12". WHEN ROCK IS ENCOUNTERED THE HORIZONTAL DIMENSION AND DEPTH OF THE FOUNDATION SHALL NOT BE INCREASED. THE THICKNESS OF PRECAST CONCRETE MANHOLE WALLS DOES NOT HAVE TO BE INCREASED IF THE DEPTH EXCEEDS 10 FEET.
3. CASTINGS OF PRECAST MANHOLES SHALL BE ADJUSTED TO GRADE WITH COURSES OF BRICK OR CONCRETE BLOCK, AS REQUIRED, 12" MAXIMUM.
4. AS AN ALTERNATE TO THE STANDARD MANHOLE FRAME AND COVER, A 39" DIAMETER FRAME WITH A 4" FLANGE MAY BE FURNISHED WITH ALL OTHER DIMENSIONS AND WEIGHTS REMAINING THE SAME.
5. IN BRICK, CONCRETE OR CONCRETE BLOCK MANHOLES, INVERTS SHALL BE CONSTRUCTED IN TWO STAGES.
6. AS AN ALTERNATE, COPOLYMER POLYPROPYLENE PLASTIC LADDER RUNGS MAY BE FURNISHED IN PRECAST MANHOLES AND INLETS.



MANHOLE, 4' DIAMETER, MANHOLE 5' DIAMETER  
MANHOLE, 6' DIAMETER  
N.T.S.



MANHOLE, 4' DIAMETER  
N.T.S.

NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY
1	3/30/17	ADDENDUM #1		JJM		CJN

PLOT BY: jmcginnis PLOT DATE: 3/30/2017 8:12 AM

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*Christopher Nash*  
PROFESSIONAL ENGINEER N.J. LIC. 31605

ENTRY 4 SIDEWALK & RECREATION CENTER ENTRANCE IMPROVEMENTS  
CONSTRUCTION DETAILS -3-  
TOWNSHIP OF WAYNE  
PASSAIC COUNTY NEW JERSEY  
SURVEYED BY: N/A DESIGNED BY: JJM SCALE: JOB NO. DATE:  
DRAWN BY: JJM CHECKED BY: CJN N.T.S. 16-119-BE 3/17/17  
CADD FILE: 16-119-DS(BE) SHEET 14 of 14