

AMERICAN WATER
PO BOX 52747
PHOENIX, AZ 85072

PUBLIC SERVICE GAS CO.
535 W. NICHOLSON ROAD
AUDOBON, NJ 08540

COMCAST CABLEVISION
1250 HADDONFIELD-BERLIN ROAD
CHERRY HILL, NJ 08034-0404

PUBLIC SERVICE ELECTRIC CO.
300 NEW ALBANY ROAD
MOORESTOWN, NJ 08057

NEW JERSEY AMERICAN WATER
PO BOX 578
ALTON, IL 62002
(SERVICING EAST CAMDEN & CRAMER HILL)

CITY OF CAMDEN DEPT. OF PUBLIC
ELECTRICAL BUREAU
1056 WRIGHT AVENUE, 2ND FLOOR
CAMDEN, NJ 08103

NJ TRANSIT
350 NEWTON AVENUE
CAMDEN, NJ 08101

CAMDEN COUNTY M.U.A
1645 FERRY AVENUE
CAMDEN, NJ 08104

VERIZON
540 BROAD STREET
NEWARK, NJ 07101

WILLIAMS TRANSOCO
99 FARBER ROAD
PRINCETOWN, NJ 08540

WHITTIER FIELD

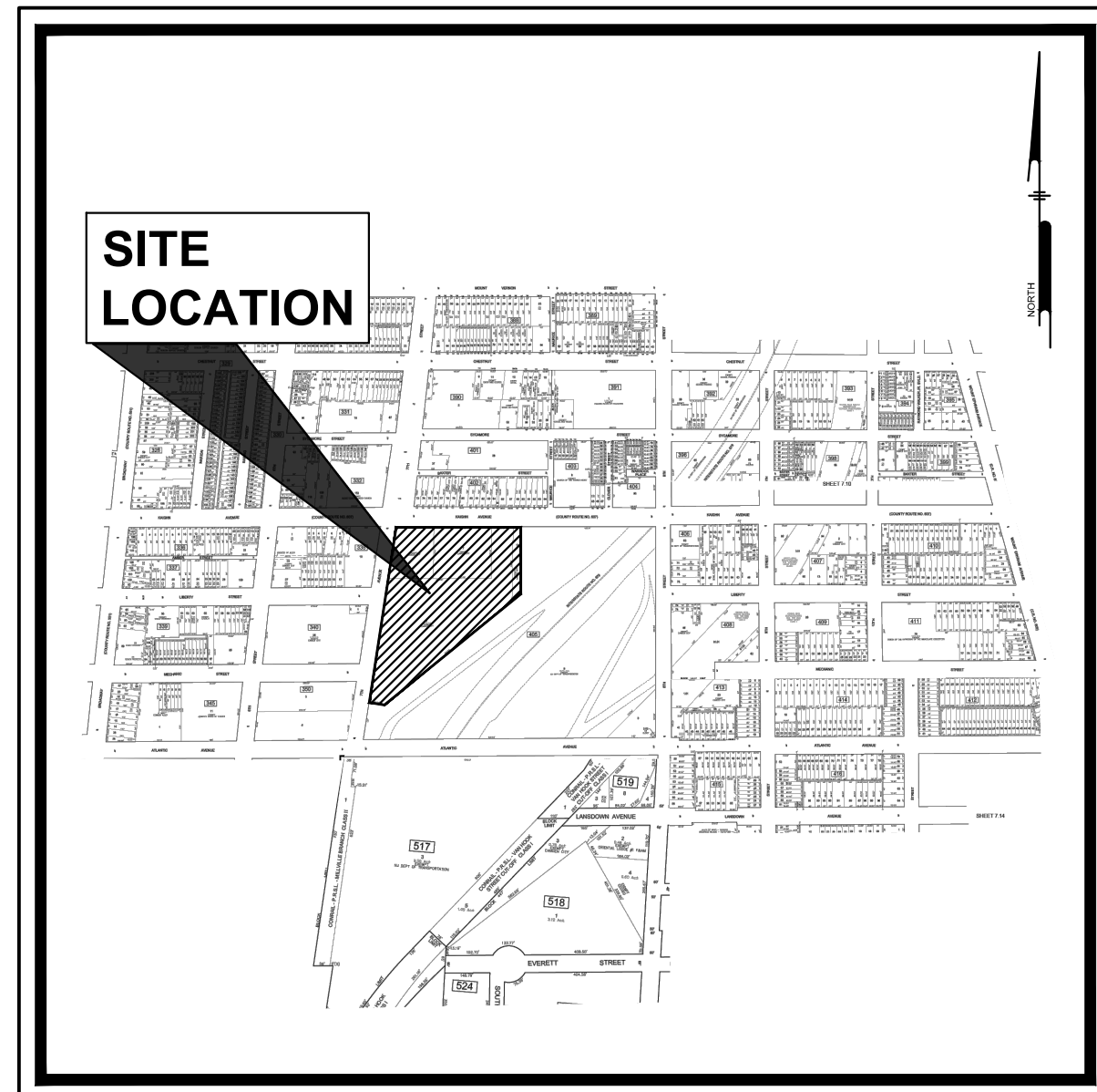
PRELIMINARY AND FINAL SITE PLAN

**BLOCK 405, LOTS 1,7,8 & 11
CAMDEN COUNTY, NEW JERSEY**

PREPARED FOR:
OWNER

KIPP COOPER NORCROSS, INC.

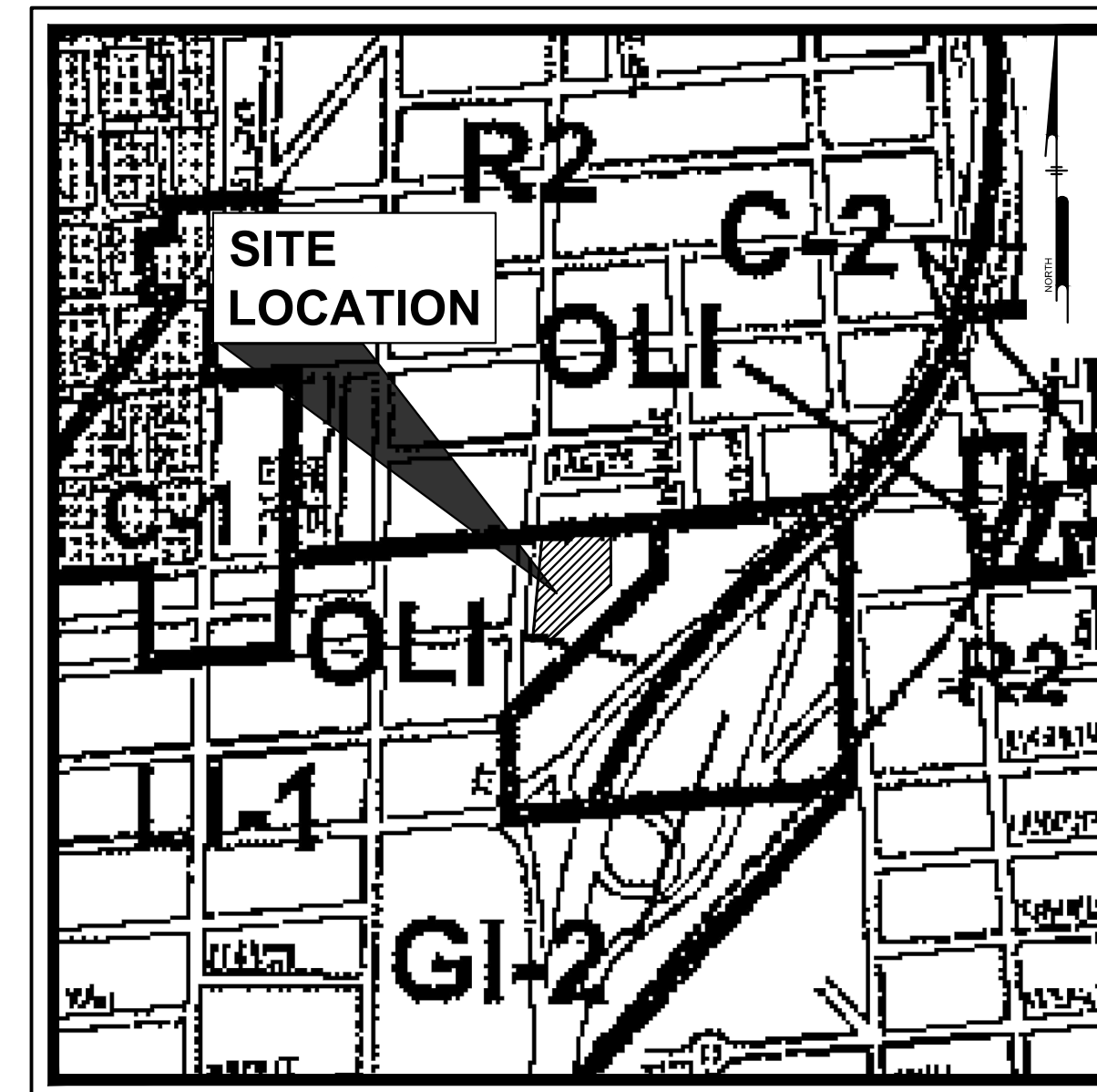
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102



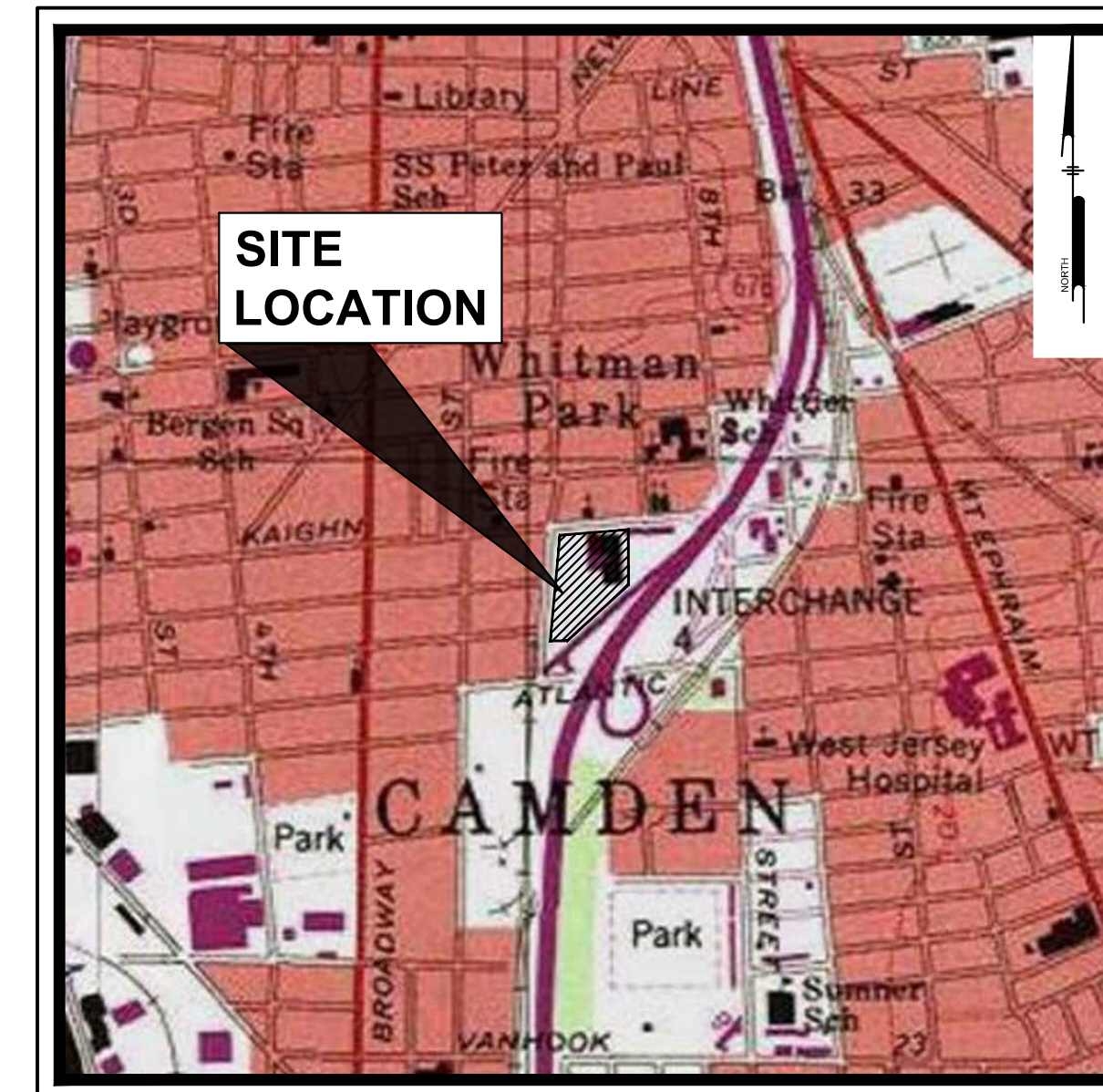
TAX MAP
Scale: 1" = 600'
[Sheet 7.11]



LOCATION MAP
Scale: 1" = 2000'



ZONING MAP
Scale: 1" = 2000'



USGS MAP
Scale: 1" = 2000'

PREPARED BY:
PENNONI ASSOCIATES INC.



2 Aquarium Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
F 856.668.8610

NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300

Sheet Number	Sheet Description	Sheet Title	Drawing Date
1	CS0001	COVER SHEET	yyyy-mm-dd
2	CS0002	GENERAL NOTES I	yyyy-mm-dd
3	CS0003	GENERAL NOTES II	yyyy-mm-dd
4	CS0004	OVERALL SITE PLAN	yyyy-mm-dd
5	CS0501	DEMOLITION PLAN	yyyy-mm-dd
6	CS1001	SITE PLAN - BASE BID + PHASES 1,2,3 & 4	yyyy-mm-dd
7	CS1501	GRADING PLAN	yyyy-mm-dd
8	CS1502	ADA RAMP AND DRIVEWAY DETAILS I	yyyy-mm-dd
9	CS1503	ADA RAMP AND DRIVEWAY DETAILS II	yyyy-mm-dd
10	CS1504	ADA RAMP AND DRIVEWAY DETAILS III	yyyy-mm-dd
11	CS1505	ADA RAMP AND DRIVEWAY DETAILS IV	yyyy-mm-dd
12	CS1701	DRAINAGE PLAN	yyyy-mm-dd
13	CS1702	UTILITY PLAN	yyyy-mm-dd
14	CS2001	LANDSCAPE PLAN	yyyy-mm-dd
15	CS2201	LIGHTING PLAN	yyyy-mm-dd
16	CS2202	LIGHTING PLAN - FOOTBALL FIELD	yyyy-mm-dd
17	CS4001	STORM SEWER PROFILES I	yyyy-mm-dd
18	CS4002	STORM SEWER PROFILES II	yyyy-mm-dd
19	CS4003	STORM SEWER PROFILES III	yyyy-mm-dd
20	CS6001	CONSTRUCTION DETAILS I	yyyy-mm-dd
21	CS6002	CONSTRUCTION DETAILS II	yyyy-mm-dd
22	CS6003	CONSTRUCTION DETAILS III	yyyy-mm-dd
23	CS6004	CONSTRUCTION DETAILS IV	yyyy-mm-dd
24	CS6005	CONSTRUCTION DETAILS V	yyyy-mm-dd
25	CS6006	CONSTRUCTION DETAILS VI	yyyy-mm-dd
26	CS6007	CONSTRUCTION DETAILS VII	yyyy-mm-dd
27	CS6008	CONSTRUCTION DETAILS VIII	yyyy-mm-dd
28	CS6009	CONSTRUCTION DETAILS IX	yyyy-mm-dd
29	CS6010	SYNTHETIC FIELD DETAILS	yyyy-mm-dd
30	CS6021	DRAINAGE AND WATER MAIN DETAILS I	yyyy-mm-dd
31	CS6022	DRAINAGE AND WATER MAIN DETAILS II	yyyy-mm-dd
32	CS6041	WATER DETAILS	yyyy-mm-dd
33	CS6061	SANITARY SEWER DETAILS	yyyy-mm-dd
34	CS6061	LANDSCAPE NOTES	yyyy-mm-dd
35	CS6062	LANDSCAPE DETAILS	yyyy-mm-dd
36	CS8501	SOIL EROSION & SEDIMENT CONTROL PLAN	yyyy-mm-dd
37	CS8501	SOIL EROSION & SEDIMENT CONTROL NOTES	yyyy-mm-dd
38	CS8502	SOIL EROSION & SEDIMENT CONTROL DETAILS	yyyy-mm-dd
39	CS9801	VEHICULAR CIRCULATION PLAN	yyyy-mm-dd

NOT FOR CONSTRUCTION

Pennoni
PENNONI ASSOCIATES INC.
2 Aquarium Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
NJ COA NO. GA28033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300
JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788
11/15/24

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY
COVER SHEET
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO PENNONI ASSOCIATES, AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

PROJECT: KCNAX23001
DATE: MAY 17, 2024
DRAWING SCALE: AS NOTED
DRAWN BY: BF
APPROVED BY: JUR

CS0001
SHEET 1 OF 39

U:\Admin\KCNAX23001\KCNAX23001 - WHITTIER FIELD.Dwg/CS0001 - PENNONI ASSOCIATES INC. 11/15/2024 1:02 AM BY: Eduardo Rabin PHOTO: Pennoni Associates

NEW JERSEY



CALL BEFORE YOU DIG
1-800-272-1000

CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH THE REQUIREMENTS OF THE NEW JERSEY ONE-CALL DAMAGE PREVENTION SYSTEM AS STATED IN THE "UNDERGROUND FACILITY PROTECTION ACT". TICKET NUMBER(S):

THIS MAP IS HEREBY APPROVED BY THE PLANNING BOARD OF THE CITY OF CAMDEN.

BOARD CHAIRMAN _____ DATE _____ BOARD SECRETARY _____ DATE _____ BOARD ENGINEER _____ DATE _____ ZONING OFFICER/ADMINISTRATIVE OFFICER _____ DATE _____

ENVIRONMENTAL NOTES:

- E-1. ALL MATERIAL BROUGHT ON SITE SHALL BE CERTIFIED CLEAN FILL...
E-2. DEWATERING ACTIVITIES SHALL BE CONDUCTED PURSUANT TO COMIA AND/OR NJDEP PERMITTING...
E-3. ABANDONMENT OF EXISTING MONITORING WELLS SHALL BE COORDINATED WITH THE ENGINEER...
E-4. "CLEAN FILL" DEFINITION: "MATERIAL TO BE USED IN A REMEDIAL ACTION THAT MEETS ALL SOIL...
E-5. THE PRESENCE OF UNCLASSIFIED FILL MATERIALS SHALL BE DOCUMENTED AND ALL LOCAL/STATE/FEDERAL REGULATIONS WILL BE FOLLOWED...
E-6. CONSTRUCTION STAGING ACTIVITIES INCLUDING THE STORAGE OF EQUIPMENT/VEHICLES/MATERIALS ARE PROHIBITED IN ENVIRONMENTALLY SENSITIVE AREAS...
E-7. BEST MANAGEMENT PRACTICES (SUCH AS THE INSTALLATION OF SILT FENCE, INLET PROTECTION...
E-8. CONTRACTOR TO REFER TO NJ SOIL EROSION STANDARDS/REQUIREMENTS FOR IMPLEMENTING STANDARD MEASURES FOR MINIMIZATION OF CONSTRUCTION-RELATED NOISE AND AIR QUALITY...
E-9. ANY EXCESS SOILS RELATED TO PROJECT CONSTRUCTION NEEDS TO BE STOCKPILED, SAMPLED, AND DISPOSED OF IN ACCORDANCE WITH NJDEP RULES AND REGULATIONS...
E-10. VEGETATED COVERED AREAS WILL HAVE A MINIMUM THICKNESS OF ONE FOOT OVERLYING A GEOTEXTILE FABRIC BARRIER...
E-11. FOR EACH TYPE AND SOURCE OF IMPORTED CLEAN FILL DERIVED OR ORIGINATED FROM A VIRGIN SOURCE OR QUARRY...
E-12. FOR IMPORTED CLEAN FILL ORIGINATING FROM SOURCES OTHER THAN A VIRGIN SOURCE OR QUARRY...
E-13. ALTERNATE FILL WILL NOT BE USED AS PART OF THE ENGINEERED CAP FOR THIS PROJECT...
E-14. PUBLIC NOTIFICATION WILL BE MADE AT LEAST 14 DAYS PRIOR TO START OF WORK IN ACCORDANCE WITH N.J.A.C. 7.26C-1.7...

CITY OF CAMDEN STORMWATER REQUIREMENTS:

- 1. TO THE EXTENT PERMITTED BY LAW, THE CITY WILL AT ALL REASONABLE TIMES HAVE A RIGHT OF INGRESS AND EGRESS OVER THE EASEMENT AREA AND THE RIGHT TO ENTER THE EASEMENT AREA VIA ANY ROAD OR PARKING LOT LOCATED WITHIN ANY COMMON AREA OWNED BY THE GRANITOR TO INSPECT THE SYSTEM LOCATED IN THE EASEMENT AREA...
2. EXCEPT IN THE CASE OF AN EMERGENCY, THE CITY WILL PROVIDE NOT LESS THAN SEVEN (7) DAYS PRIOR NOTICE TO THE PERFORMING ANY INSPECTION OR MONITOR OF THE SYSTEM IN ACCORDANCE WITH THE APPROVED PLAN...
3. IF, AFTER REASONABLE NOTICE BY THE CITY, THE APPLICANT FAILS TO MAINTAIN THE SYSTEM IN ACCORDANCE WITH THE APPROVED MANUAL AND THE MAINTENANCE PLAN...
4. THE APPLICANT AGREES TO INDEMNIFY AND SAVE THE CITY HARMLESS FROM ANY AND ALL CLAIMS FOR DIRECT DAMAGES TO PERSONS OR PROPERTY ARISING FROM INSPECTIONS PERFORMED BY THE CITY...

DIVISION OF CAPITAL IMPROVEMENTS & PROJECT MANAGEMENT (CIP) CONSTRUCTION GENERAL NOTES (IF REQUIRED):

- 1. ALL CONSTRUCTION, MATERIALS, RESTORATIONS AND METHODS OF INSTALLATION IN CITY ROADS SHALL BE SUBJECT TO THE REQUIREMENTS AND APPROVAL OF THE MUNICIPALITY...
2. SANITARY SEWER CONSTRUCTION, MATERIALS AND TESTING SHALL BE SUBJECT TO THE APPROVAL OF AN INSPECTION BY THE CITY ENGINEER AND SUBJECT TO CITY...
3. ALL SANITARY SEWERS SHALL BE CONSTRUCTED WITH CLASS "C" MODIFIED BEDDING UNLESS OTHERWISE NOTED...
4. WHEREVER THE TRENCH BOTTOM DOES NOT AFFORD SUFFICIENT BEARING STRENGTH TO SUSTAIN THE WEIGHT OF THE PIPE AND SUPERIMPOSED LOADS, IT SHALL BE OVER EXCAVATED AND STABILIZED WITH A LAYER OF CRUSHED STONE...
5. THE CONTRACTOR SHALL CONSTRUCT TEST PITS AS REQUIRED TO VERIFY THE LOCATION AND THE DEPTH OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND PROPOSED FACILITIES...
6. CONTRACTOR EFFORTS SHALL BE MADE TO RETAIN EXISTING TREES, VEGETATION AND NATURAL CHARACTERISTICS OF THE TRACT...
7. THE CONTRACTOR SHALL PAY ALL STREET/SIDEWALK OPENING FEES AND GIVE NOTICES NECESSARY FOR AND INCIDENTAL TO THE DUE AND LAWFUL EXECUTION OF THE WORK...
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE EXCAVATION...
9. NO MATERIALS SHALL BE PLACED NO ANY DISTURBANCE PERMITTED BEYOND THE PROJECT PROPERTY LINE WITHOUT THE WRITTEN PERMISSION OF THE PROPERTY OWNER DIRECTLY INVOLVED...
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING, PAVING, TOPSOILING, SODDING, FERTILIZING AND SEEDING ALL AREAS DISTURBED BY HIS ACTIVITIES...
11. ROAD PAYMENT, REPLACEMENT, AND ALL RESTORATION IN COUNTY ROADS SHALL MEET THE REQUIREMENTS OF THE COUNTY ENGINEER...
12. INSPECTION OF, OR FAILURE TO INSPECT ANY MATERIALS OR WORKMANSHIP BY STATE, COUNTY OR TOWNSHIP OFFICIALS SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES TO PERFORM THE WORK IN ACCORDANCE WITH APPLICABLE PLANS, SPECIFICATIONS AND LAWS...
13. PRIOR TO CONSTRUCTION, ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE APPROVED BY THE SOIL CONSERVATION DISTRICT IN COMPLIANCE WITH CHAPTER 251 OR THE PUBLIC LAWS OF 1975. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED OR THE AREA IS STABILIZED IN ACCORDANCE WITH THE SOIL CONSERVATION DISTRICT'S RECOMMENDATIONS...
14. ALL SEWER INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE PROCEDURES MANUAL OF THE CITY OF CAMDEN...
15. THRUST BLOCKS ARE TO BE INSTALLED AT ALL FORCE MAIN BENDS...
16. SANITARY SEWER LATERALS SHALL NOT BE CONNECTED DIRECTLY INTO MANHOLES. AN EXCEPTION TO THIS RULE MAY BE MADE FOR COMMERCIAL OR INDUSTRIAL USERS AT THE DECISION OF THE CITY. DOMESTIC LATERAL CONNECTIONS SHALL BE MADE A MINIMUM TWO FEET AWAY FROM MANHOLE AND NOT INTO JOINT OF MAIN...
17. THE APPLICANT/OWNER IS AWARE AND AGREES THAT THE REVIEW BY THE CITY AND CITY ENGINEER IS BASED UPON THE BEST INFORMATION AVAILABLE AND IN NO WAY DOES IT GUARANTEE THE EXISTENCE OF, OR NON EXISTENCE OF SANITARY SEWER AND FORCE MAINS, AND/OR APPURTENANCES. IT IS THE RESPONSIBILITY OF THE APPLICANT/OWNER TO VERIFY THE LOCATION OF SUCH MAINS/APPERTENANCES...
18. THE CONNECTION TO THE EXISTING CITY MANHOLE MUST BE MADE WITH A CORING MACHINE AND WITNESSED BY THE CITY ENGINEER...
19. AN A-LOCK SEAL SHOULD BE USED AT THE PIPE PENETRATION. ONLY IN THE CASE THAT AN A-LOCK IS NOT POSSIBLE, THE ANNULAR SPACE SHOULD BE FILLED WITH NON-SHRINK GROUT...

DIVISION OF CAPITAL IMPROVEMENTS & PROJECT MANAGEMENT (CIP) CONSTRUCTION GENERAL NOTES (IF REQUIRED) CONT:

- 1. WHEN POSSIBLE THE NEW BENCH CHANNEL SHOULD BE MADE WITH THE CORING MACHINE; OTHERWISE, THE BENCH CHANNEL SHOULD BE CAREFULLY SAWCUT OR HILT CUT TO ACCOMMODATE THE NEW SEWER CONNECTION...
2. CHANNEL RECONSTRUCTION CEMENT SHALL BE SPEED-CRETE AS MANUFACTURED BY TAMMS, INC. FORMED PORTLAND CEMENT CONCRETE OF 4,000 PSI COMPRESSION STRENGTH. ANY SUBSTITUTES MUST BE APPROVED BY THE CITY...
3. MANHOLE INTERIOR WALLS AND BENCHES SHALL BE PATCHED WITH CEMENTITIOUS PATCHING/PLUGGING COMPOUNDS AS MANUFACTURED BY TAMMS INC, OR APPROVED EQUAL...
4. A PIPE JOINT SHOULD BE PROVIDED WITHIN FOUR FEET OF THE MANHOLE CONNECTION TO ALLOW FOR DIFFERENTIAL SETTLEMENT...
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES TO THE MANHOLE, THE SEWER OR THE ADJACENT PROPERTY DUE TO CONNECTION CONSTRUCTION...
6. THE CITY ENGINEER MUST BE GIVEN 48 HOURS ADVANCE NOTICE OF SANITARY SEWER MAIN WORK AND A CITY ENGINEER REPRESENTATIVE MUST BE PRESENT TO WITNESS THE CONNECTION...
7. A WATER CAPACITY FEE SHALL BE ASSESSED (BASED ON DIAMETER OF WATER SERVICE) FOR ANY CONNECTION TO A CITY OWNED WATER MAIN. APPLICANT IS RESPONSIBLE FOR CONFIRMING UTILITY OWNER(S) PRIOR TO COMMENCEMENT OF WORK ON SAID UTILITY...

ELECTRICAL SPECIFICATIONS:

- 1. DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON ELECTRICAL DRAWINGS SHALL BE BY THE ELECTRICAL CONTRACTOR. ALL REFERENCES TO "CONTRACTOR" OR "THIS CONTRACTOR" ON ELECTRICAL DRAWINGS ARE ADDRESSED TO THE ELECTRICAL CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL"...
2. EXAMINATION OF DRAWINGS: CONTRACTOR SHALL COORDINATE HIS WORK WITH THE DRAWINGS OF ALL OTHER TRADES FOR EXACT DIMENSIONS, CLEARANCES AND ROUGHING-IN LOCATIONS. CONTRACTOR SHALL COOPERATE WITH ALL OTHER TRADES IN ORDER TO MAKE MINOR FIELD ADJUSTMENTS TO ACCOMMODATE THE WORK OF OTHERS...
3. EXAMINATION OF PREMISES: BEFORE SUBMITTING HIS BID, CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL CONDITIONS ON WHICH HIS WORK IS IN ANY WAY DEPENDENT FOR THE BEST WORKMANSHIP AND OPERATION ACCORDING TO THE INTENT OF SPECIFICATIONS AND DRAWINGS. HE SHALL REPORT TO THE ENGINEER ANY CONDITION WHICH MIGHT PREVENT HIM FROM INSTALLING HIS EQUIPMENT IN THE MANNER INTENDED...
4. CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIERS CERTIFICATES, INSPECTION FEES, AND INSTALLATION FEES AS REQUIRED...
5. FEES AND PERMITS: THE ELECTRICAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL PERMITS, CERTIFICATES, INSPECTION FEES, AND INSTALLATION FEES AS REQUIRED...
6. PROTECTION OF PERSONS AND PROPERTY: THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH HIS WORK...
7. SCOPE OF WORK: CONSISTS OF PROVIDING COMPLETE ELECTRICAL SYSTEMS AS SHOWN ON DRAWINGS AND SPECIFIED HEREIN. CONTRACTOR SHALL PROVIDE ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, MACHINERY, AND ANY AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE SYSTEMS. SCOPE, IN GENERAL, SHALL CONSIST OF, BUT NOT BE LIMITED TO THE FOLLOWING:
A. PROVIDE POLE MOUNTED LIGHTING FIXTURES.
B. PROVIDE NEW JUNCTION BOXES...
8. SHOP DRAWINGS: THIS CONTRACTOR SHALL FURNISH THE ENGINEER TWO SETS OF COMPLETE SHOP DRAWINGS, CATALOG CUTS, WIRING DIAGRAMS AND ASSOCIATED DATA, FOR ALL MAJOR ELEMENTS OF THE ELECTRICAL WORK FOR REVIEW, CHECKING AND APPROVAL, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
A. POLE MOUNTED LIGHT FIXTURES
B. MANHOLE STRUCTURES AS REQUIRED BY PSE&G SPECIFICATIONS
C. PVC CONDUIT
D. JUNCTION BOXES...
9. MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY...
10. EXISTING SERVICES: EXISTING SERVICES SHALL BE MAINTAINED AND NO INTERRUPTIONS SHALL BE CAUSED, DAY OR NIGHT WITHOUT THE OWNER'S CONSENT. CONTRACTOR SHALL NOTE THAT OPERATIONS MUST CONTINUE DURING THE LIFE OF THIS CONTRACT AND ALL NECESSARY TEMPORARY CONNECTIONS REQUIRED TO ALLOW SUCH OPERATION SHALL BE INCLUDED. ANY REQUIRED INTERRUPTION IN POWER SHALL BE SCHEDULED WITH THE OWNER IN WRITING A MINIMUM OF 7 DAYS IN ADVANCE. NO INTERRUPTION IN POWER SHALL BE CAUSED WITHOUT THE OWNER'S WRITTEN CONSENT...

SITE INFORMATION:

PROJECT LOCATION: 726 KAIGN AVENUE CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY 08103 TAX MAP SHEETS: 6.06, 6.08, 7.08, & 7.11 BLOCK 405, LOTS 1, 7, 8, & 11
OWNER: KIPP COOPER NORCROSS, INC. 60 PARK PLACE, SUITE 802 NEWARK, NJ 07102
APPLICANT: KIPP COOPER NORCROSS, INC. 60 PARK PLACE, SUITE 802 NEWARK, NJ 07102
KELSEY WAIITE KWAITE@KIPPTTEAMDFAMILY.ORG ENGINEER PENNONI ASSOCIATES INC. 2 AQUARIUM DRIVE, SUITE 320 CAMDEN, NJ 08103 JOSEPH J. RADAY, P.E., CME EMAIL: JRADAY@PENNONI.COM

TAX MAP: SHEET 7.11, BLOCK 405 LOTS 1, 7, 8 & 11.

ZONING DISTRICT (GATEWAY REDEVELOPMENT PLAN): OL-OFFICE / LIGHT INDUSTRIAL ZONE

CONTRACT: GATEWAY REDEVELOPMENT PLAN DIVISION OF PLANNING

PROJECT LOCATION: 726 KAIGHNS AVENUE, CAMDEN, CAMDEN COUNTY, NJ.

EXISTING USE: VACANT / OPEN SPACE

PROPOSED USE: MULTI-USE ATHLETIC FIELD AND ASSOCIATED RECREATIONAL FACILITIES

Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, PROPOSED, CONFORMANCE. Contains data for OLI - OFFICE LIGHT INDUSTRIAL ZONE.

Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, EXISTING, PROPOSED, CONFORMANCE. Contains data for AREA AND BULK REGULATIONS (GATEWAY REDEVELOPMENT) [NON-RESIDENTIAL / GENERAL INDUSTRIAL AMENDMENT].

Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, PROPOSED, CONFORMANCE. Contains data for LANDSCAPING (GATEWAY REDEVELOPMENT) [NON-RESIDENTIAL].

Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, PROPOSED, CONFORMANCE. Contains data for TRAFFIC CIRCULATION (GATEWAY REDEVELOPMENT) [NON-RESIDENTIAL].

Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, EXISTING, PROPOSED, CONFORMANCE. Contains data for FENCES AND WALLS (GATEWAY REDEVELOPMENT) [NON-RESIDENTIAL / GENERAL INDUSTRIAL AMENDMENT].

Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, PROPOSED, CONFORMANCE. Contains data for PARKING AND LOADING REQUIREMENTS (CITY ORDINANCE).

Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, PROPOSED, CONFORMANCE. Contains data for PARKING AND LOADING DESIGN STANDARDS (CITY ORDINANCE).

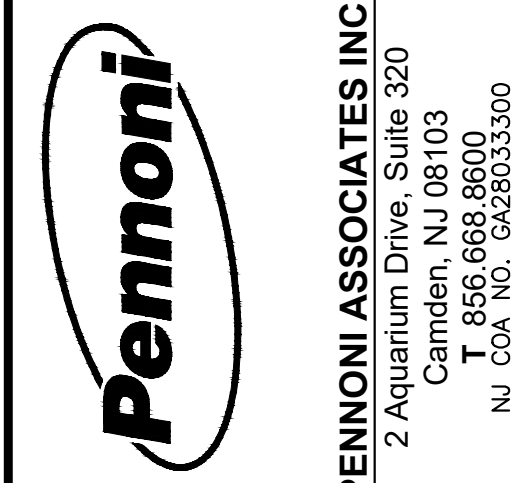
Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, PROPOSED, CONFORMANCE. Contains data for VEHICULAR CIRCULATION (CITY ORDINANCE).

Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, PROPOSED, CONFORMANCE. Contains data for LIGHTING (CITY ORDINANCE).

Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, PROPOSED, CONFORMANCE. Contains data for LANDSCAPING AND BUFFERING (CITY ORDINANCE).

Table with 5 columns: CODE REF, STANDARD, REQUIRED/PERMITTED, PROPOSED, CONFORMANCE. Contains data for SOLID WASTE AND RECYCLING (CITY ORDINANCE).

C = CONFORMS
NC = NON CONFORMING
"NC" = CONCESSION STAND, BATHROOMS, CHANGING AREA AND STORAGE ROOMS
NA = NOT APPLICABLE



PENNONI ASSOCIATES INC. 2 Aquarium Drive, Suite 320 Camden, NJ 08103 T: 856.668.8600 NJ COA NO. G426033300
JOSEPH RADAY PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. G6043768

WHITTIER FIELD 7TH AVENUE & KAIGHN AVENUE CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY
GENERAL NOTES II
KIPP COOPER NORCROSS, INC. 60 PARK PLACE, SUITE 802 NEWARK, NJ 07102

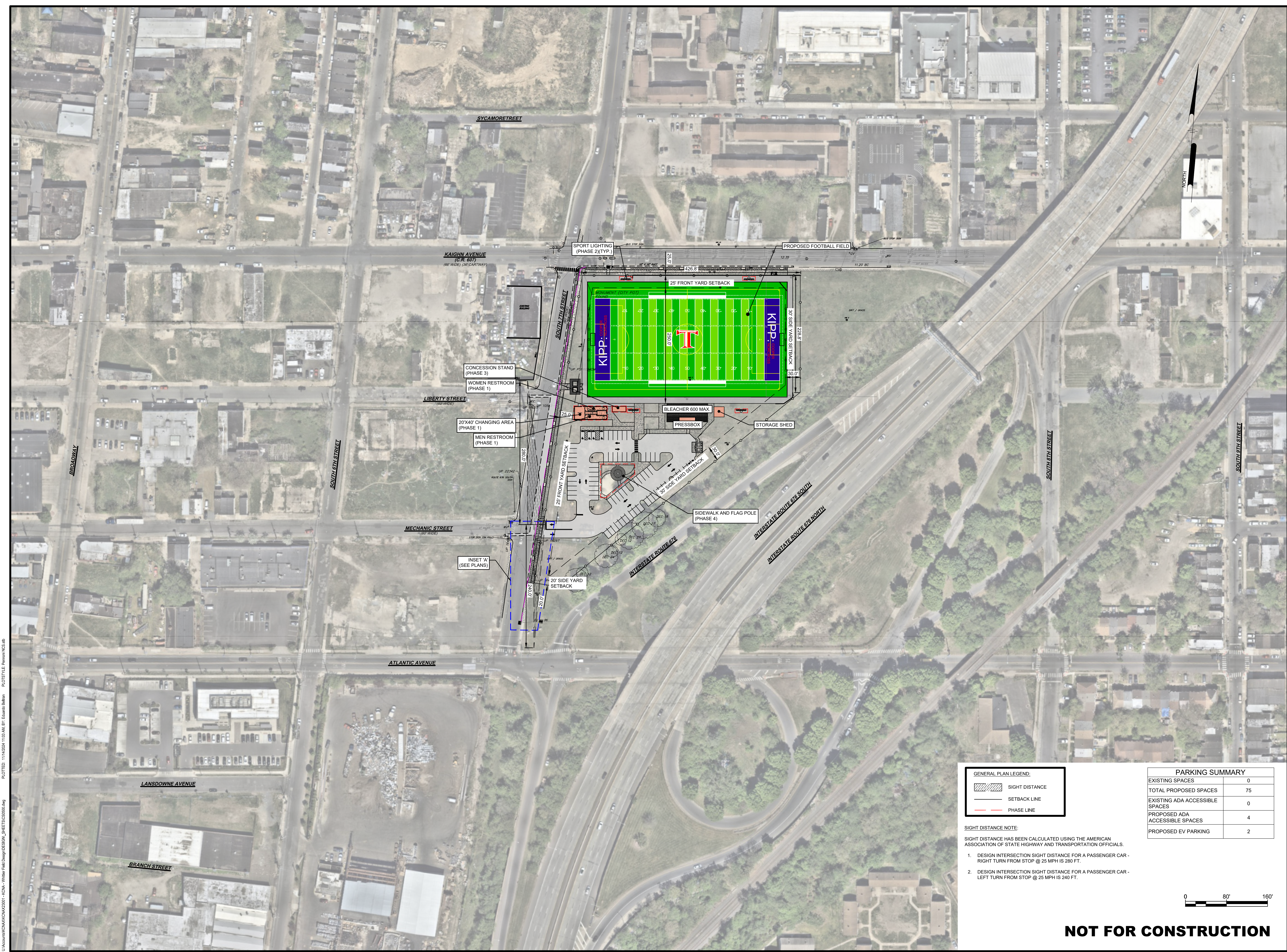
Table with 4 columns: NO., DATE, REVISIONS, BY. Contains revision history.

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PROJECT: KCNAX23001
DATE: MAY 17, 2024
DRAWING SCALE: N.T.S.
DRAWN BY: BF
APPROVED BY: JUR

NOT FOR CONSTRUCTION

U:\Asst\Arch\KCNAX23001\KCNAX23001_Whittier Field Design\SETBACK_SHEETS\CS0500.dwg PLOTED: 11/14/2024 11:03 AM BY: Eduardo Robles PLOTSTYLE: Pennoni VCS.dwg



GENERAL PLAN LEGEND:

	SIGHT DISTANCE
	SETBACK LINE
	PHASE LINE

SIGHT DISTANCE NOTE:
SIGHT DISTANCE HAS BEEN CALCULATED USING THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS.

- DESIGN INTERSECTION SIGHT DISTANCE FOR A PASSENGER CAR - RIGHT TURN FROM STOP @ 25 MPH IS 280 FT.
- DESIGN INTERSECTION SIGHT DISTANCE FOR A PASSENGER CAR - LEFT TURN FROM STOP @ 25 MPH IS 240 FT.

PARKING SUMMARY

EXISTING SPACES	0
TOTAL PROPOSED SPACES	75
EXISTING ADA ACCESSIBLE SPACES	0
PROPOSED ADA ACCESSIBLE SPACES	4
PROPOSED EV PARKING	2



NOT FOR CONSTRUCTION

Pennoni
PENNONI ASSOCIATES INC.
 2 Aquantum Drive, Suite 320
 Camden, NJ 08103
 T 856.668.8600
 NJ COA NO. G428033300

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 NJ CERTIFICATE OF AUTHORIZATION NO. G428033300

JOSEPH RADAY
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. GE043788

 11/15/24

WHITTIER FIELD
 7TH AVENUE & KAIGHN AVENUE
 CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

OVERALL SITE PLAN
 KIPP COOPER NORCROSS, INC.
 60 PARK PLACE, SUITE 802
 NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

PROJECT: **KCNAX23001**

DATE: **MAY 17, 2024**

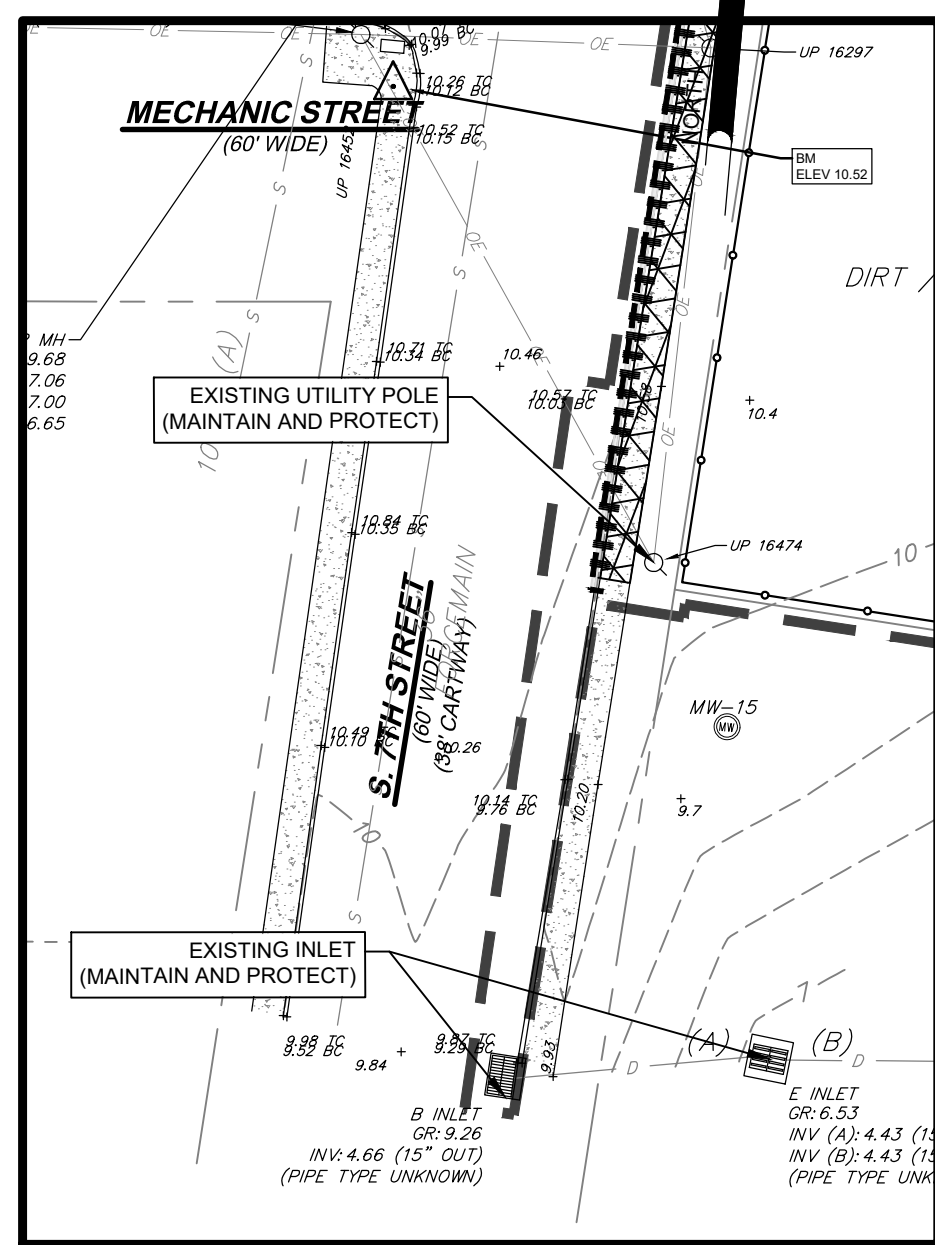
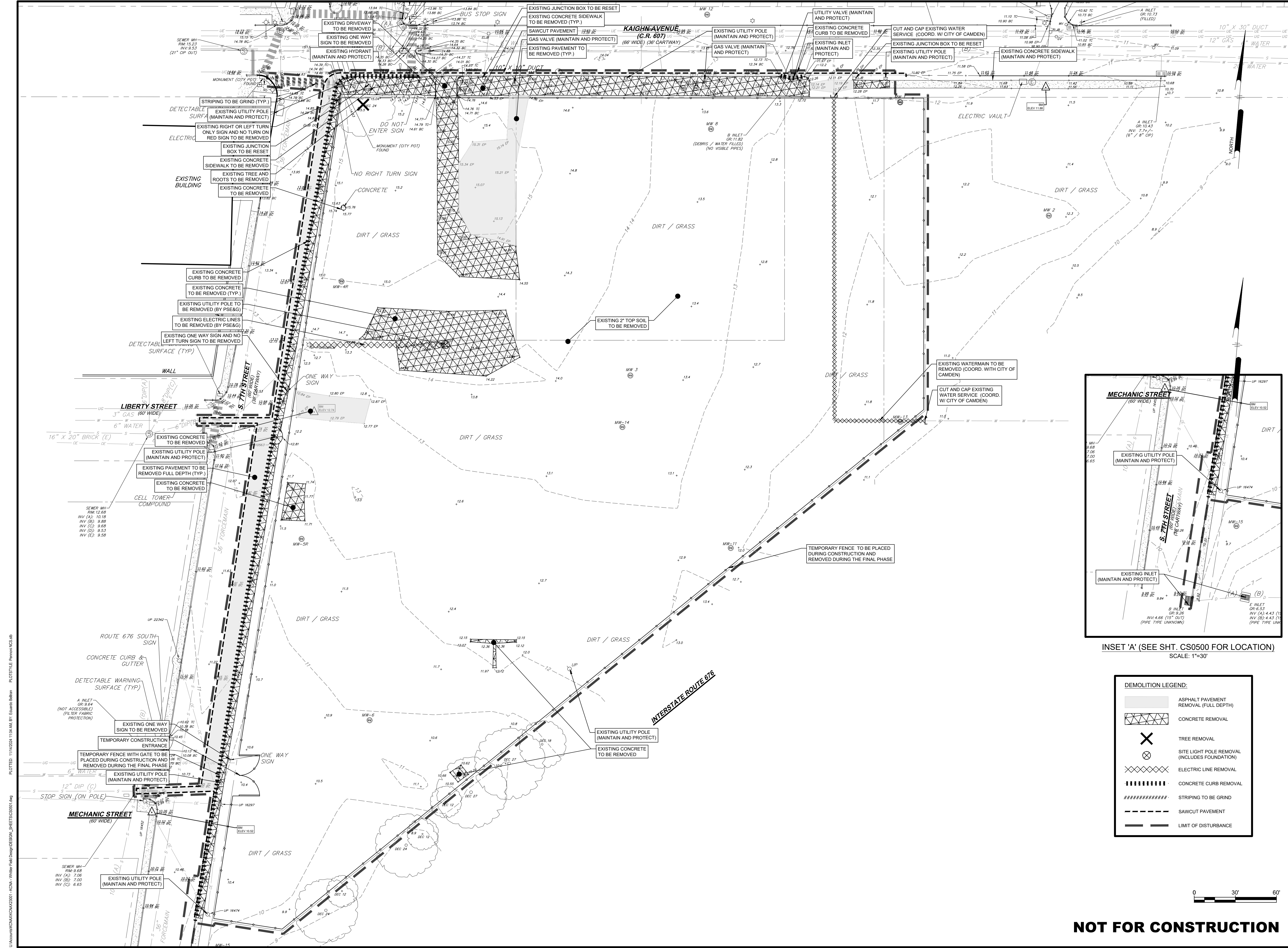
DRAWING SCALE: **1"=80'**

DRAWN BY: **BF**

APPROVED BY: **JJR**

CS0500

SHEET **4** OF **39**



INSET 'A' (SEE SHT. CS0500 FOR LOCATION)
SCALE: 1"=30'

DEMOLITION LEGEND:

	ASPHALT PAVEMENT REMOVAL (FULL DEPTH)
	CONCRETE REMOVAL
	TREE REMOVAL
	SITE LIGHT POLE REMOVAL (INCLUDES FOUNDATION)
	ELECTRIC LINE REMOVAL
	CONCRETE CURB REMOVAL
	STRIPING TO BE GRIND
	SAWCUT PAVEMENT
	LIMIT OF DISTURBANCE

Pennoni
 PENNONI ASSOCIATES, INC.
 2 Aquatium Drive, Suite 320
 Camden, NJ 08103
 T 856.668.8600
 NJ COA NO. G28033300

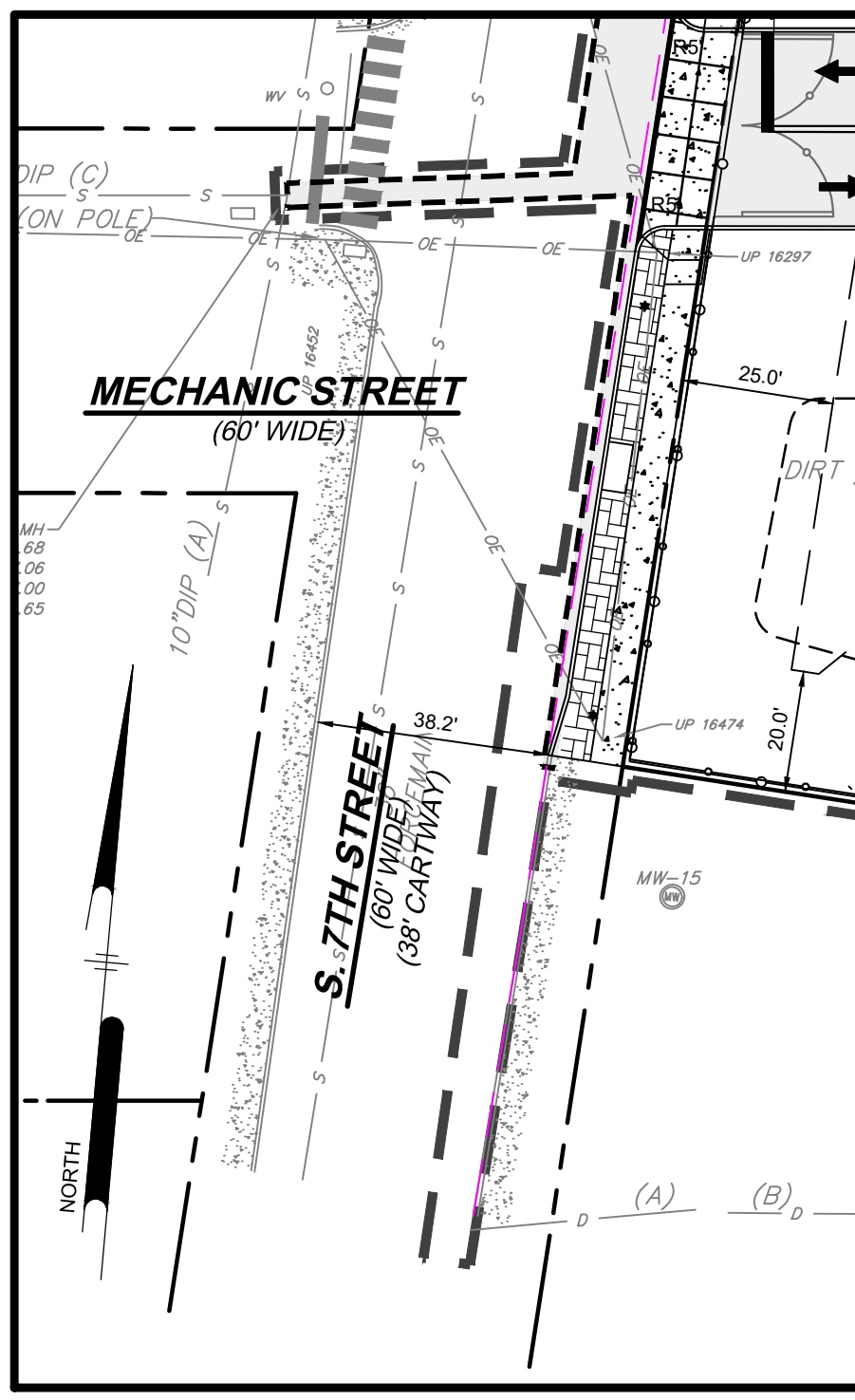
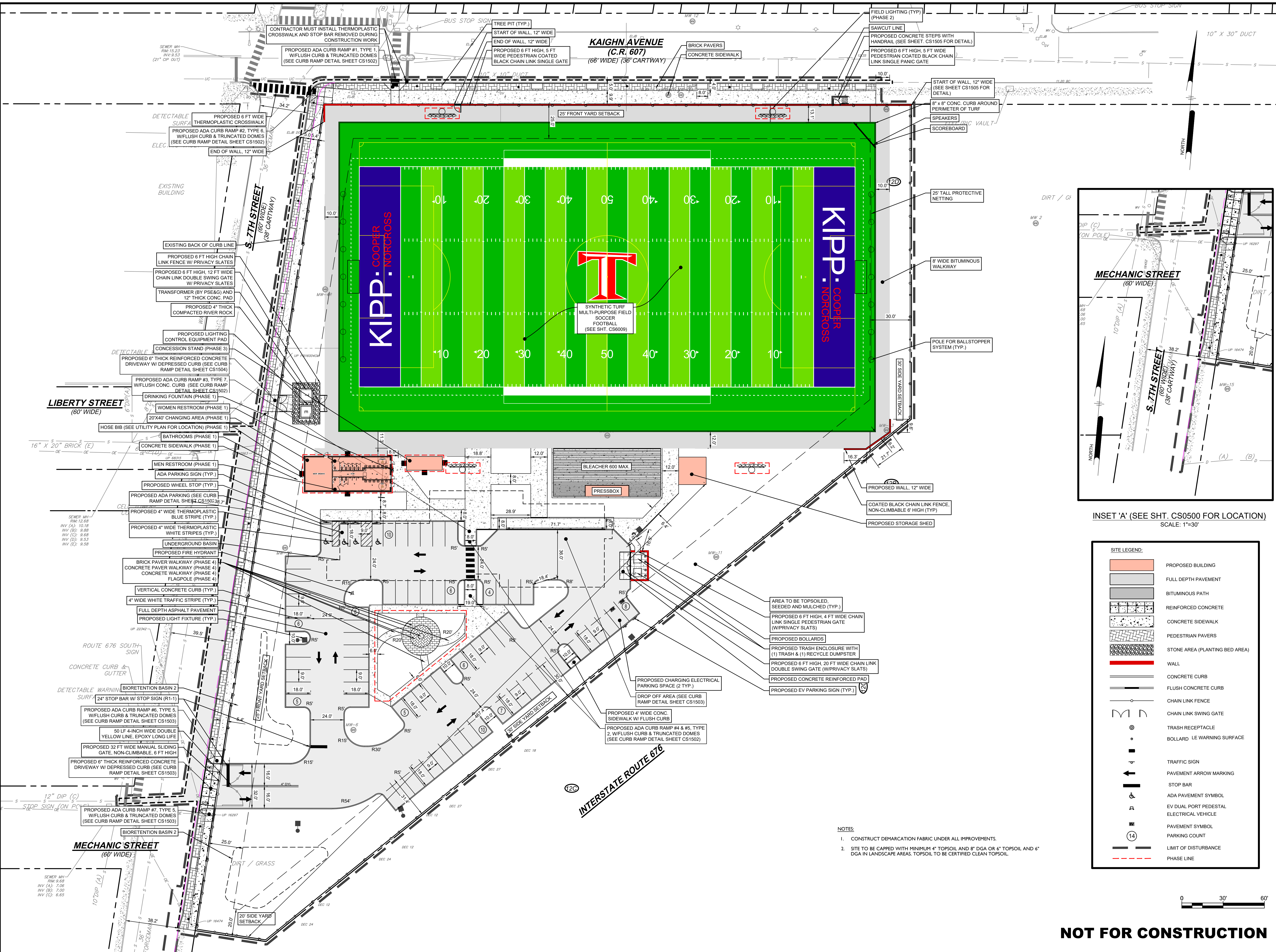
ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
 NJ CERTIFICATE OF AUTHORIZATION NO. G428033300
JOSEPH RADAY
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. G6043788
 11/15/24

WHITTIER FIELD
 7TH AVENUE & KAIGHN AVENUE
 CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY
DEMOLITION PLAN
 KIPP COOPER NORCROSS, INC.
 60 PARK PLACE, SUITE 802
 NEWARK, NJ 07102

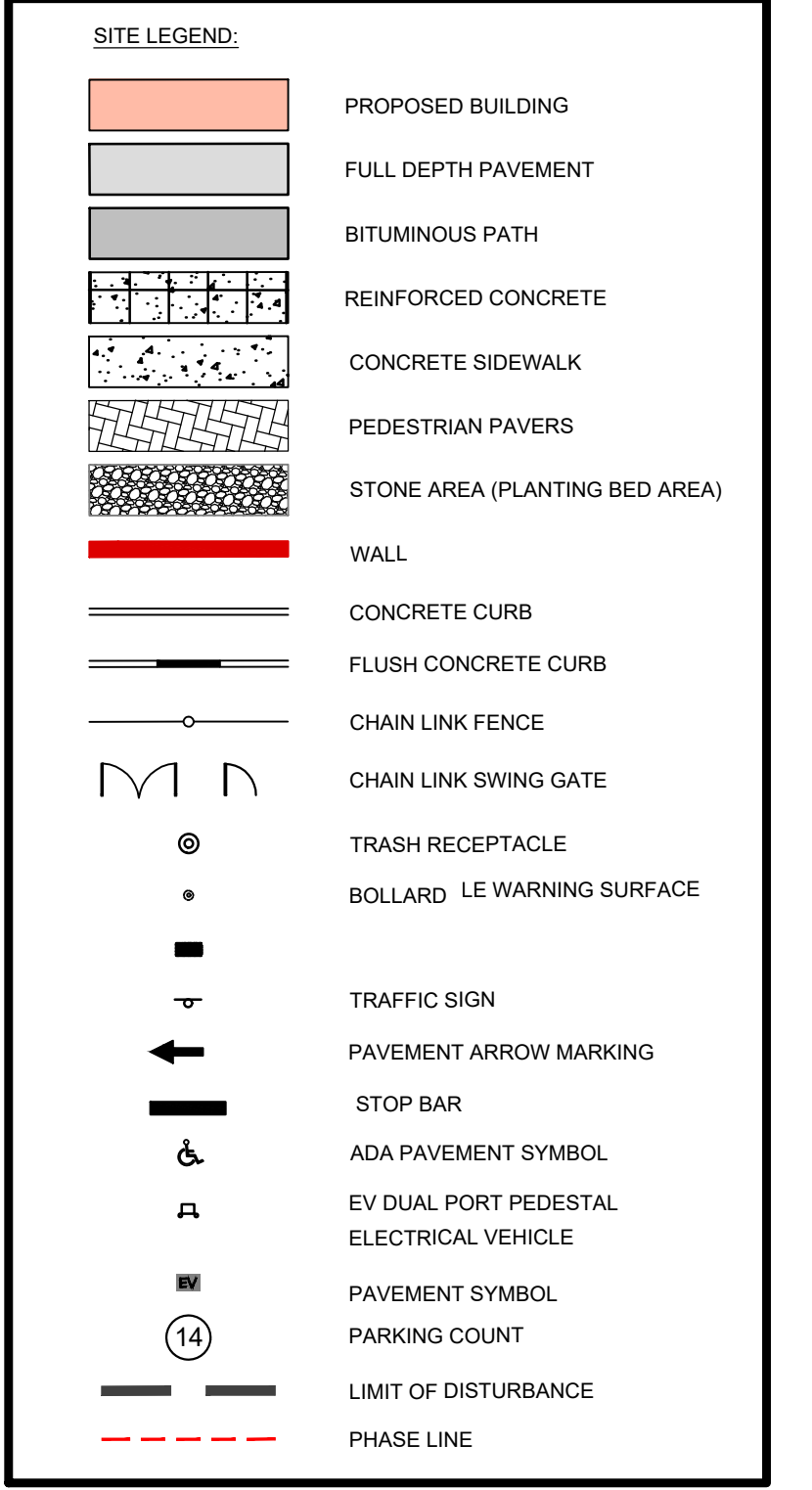
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

PROJECT: KCNAX23001
 DATE: MAY 17, 2024
 DRAWING SCALE: 1"=30'
 DRAWN BY: BF
 APPROVED BY: JUR
CS0501
 SHEET 5 OF 39

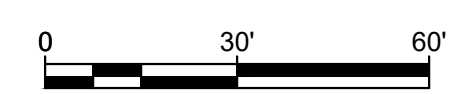
NOT FOR CONSTRUCTION



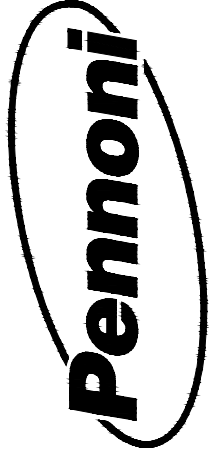
INSET 'A' (SEE SHT. CS0500 FOR LOCATION)
SCALE: 1"=30'



- NOTES:
- CONSTRUCT DEMARCATION FABRIC UNDER ALL IMPROVEMENTS.
 - SITE TO BE CAPPED WITH MINIMUM 4" TOPSOIL AND 8" DGA OR 6" TOPSOIL AND 6" DGA IN LANDSCAPE AREAS. TOPSOIL TO BE CERTIFIED CLEAN TOPSOIL.

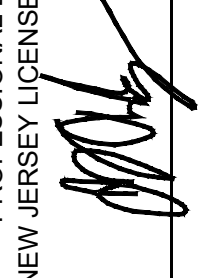


NOT FOR CONSTRUCTION



PENNONI ASSOCIATES INC.
 2 Aquantum Drive, Suite 320
 Camden, NJ 08103
 T 856.668.8600
 NJ COA NO. GA28033300

JOSEPH RADAY
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. GE043788



11/15/24

WHITTIER FIELD
 7TH AVENUE & KAIGHN AVENUE
 CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

SITE PLAN - BASE BID + PHASES 1, 2, 3 & 4

KIPP COOPER NORCROSS, INC.
 60 PARK PLACE, SUITE 802
 NEWARK, NJ 07102

CITY PLANNING BOARD SUBMISSION		EAB	BY
DATE	11/15/2024		
NO.	1		
REVISIONS			

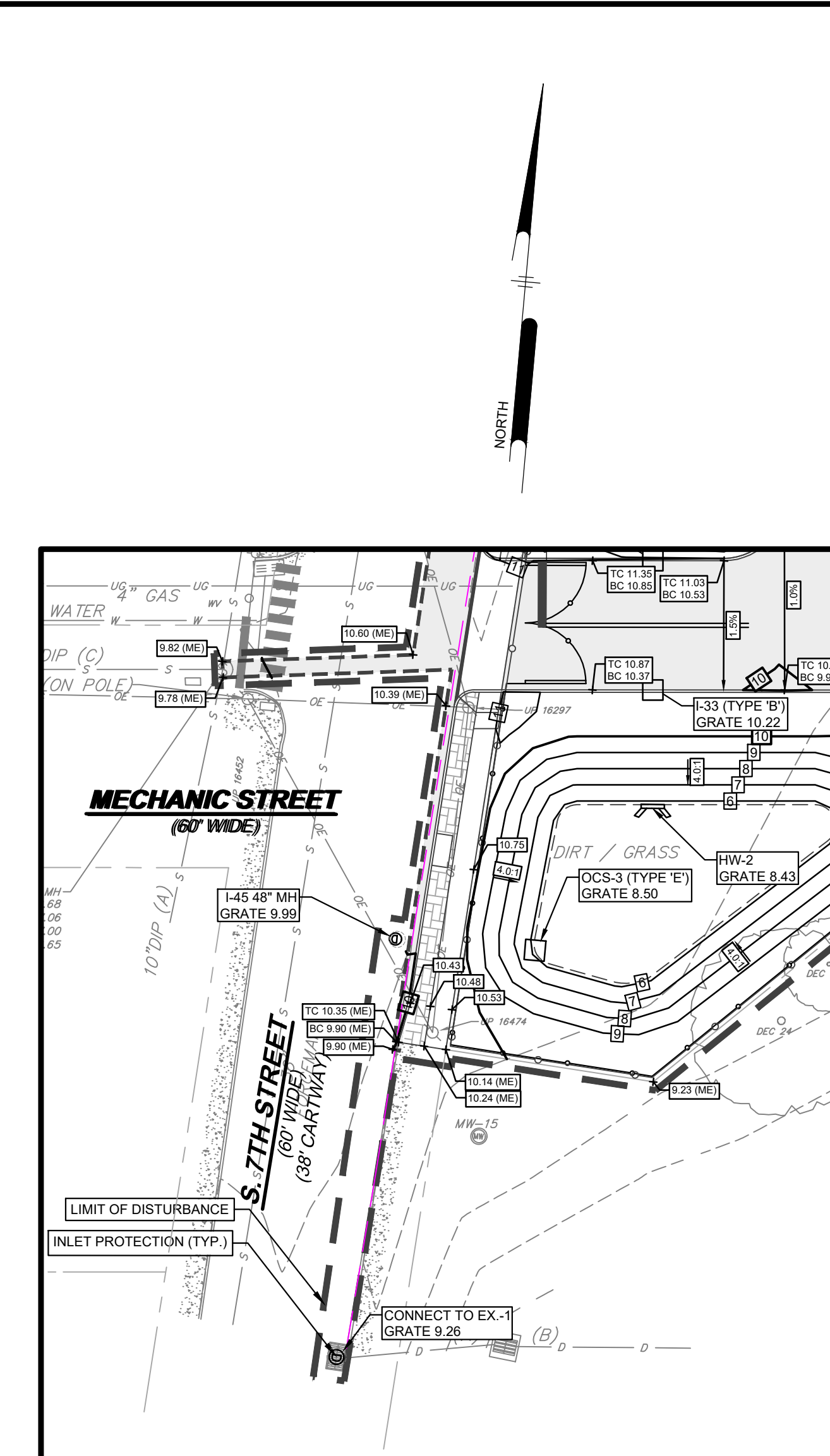
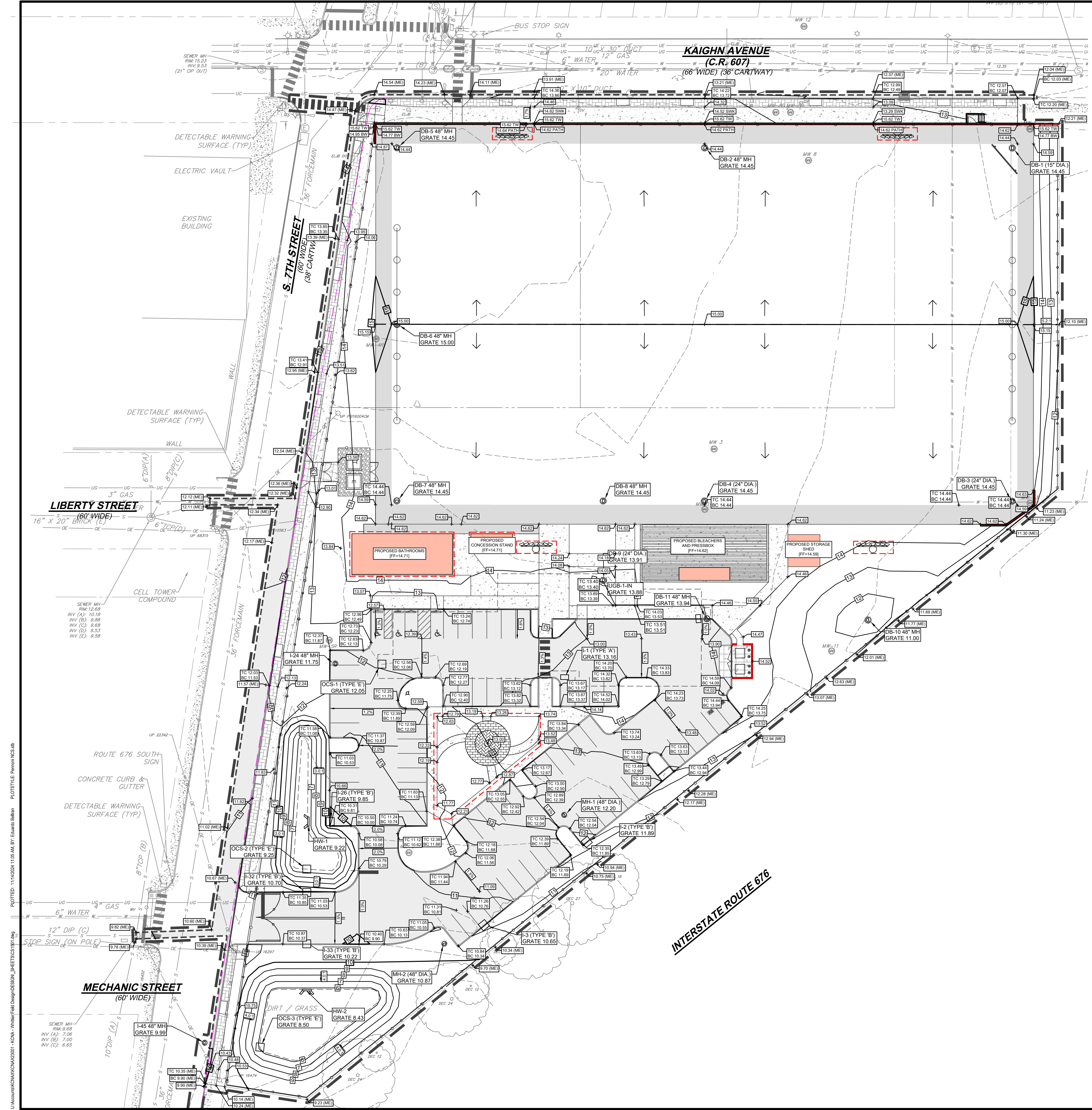
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PROJECT	KNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	1"=30'
DRAWN BY	BF
APPROVED BY	JJR

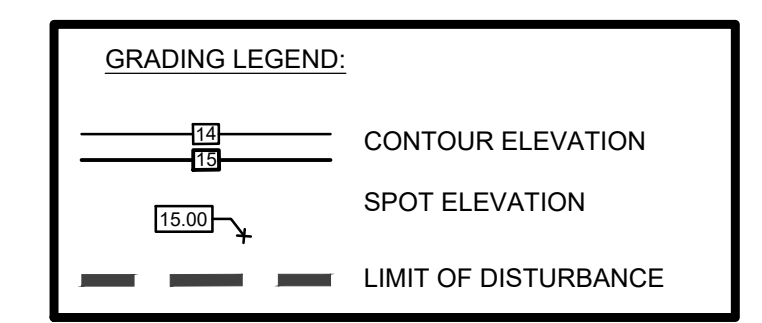
CS1001

SHEET 6 OF 39

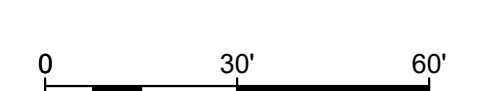
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INSET 'A' (SEE SHT. CS0500 FOR LOCATION)
SCALE: 1"=30'

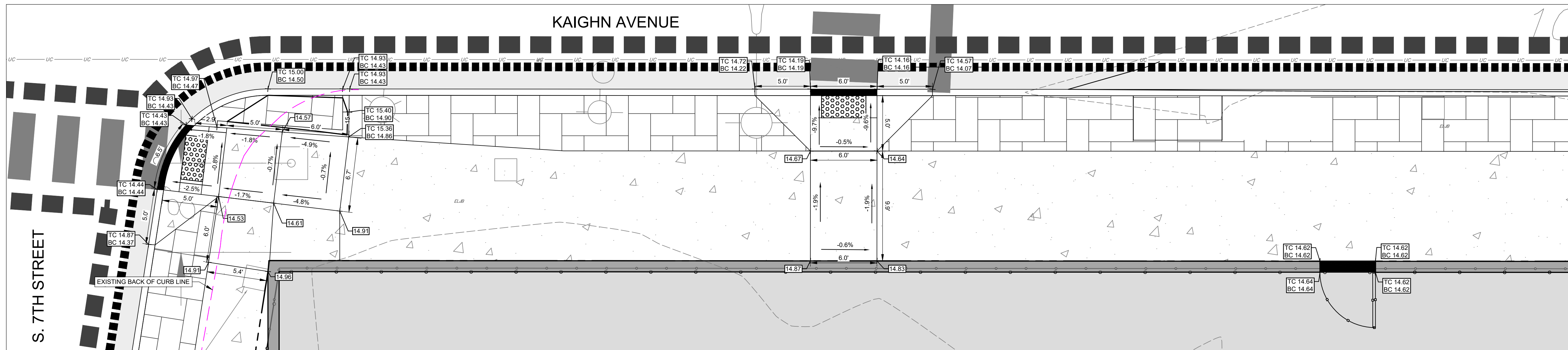


- NOTES:
1. CONSTRUCT DEMARCATION FABRIC UNDER ALL IMPROVEMENTS.
 2. SITE TO BE CAPPED WITH MINIMUM 4" TOPSOIL AND 8" DGA OR 6" TOPSOIL AND 4" DGA IN LANDSCAPE AREAS. TOPSOIL TO BE CERTIFIED CLEAN TOPSOIL.

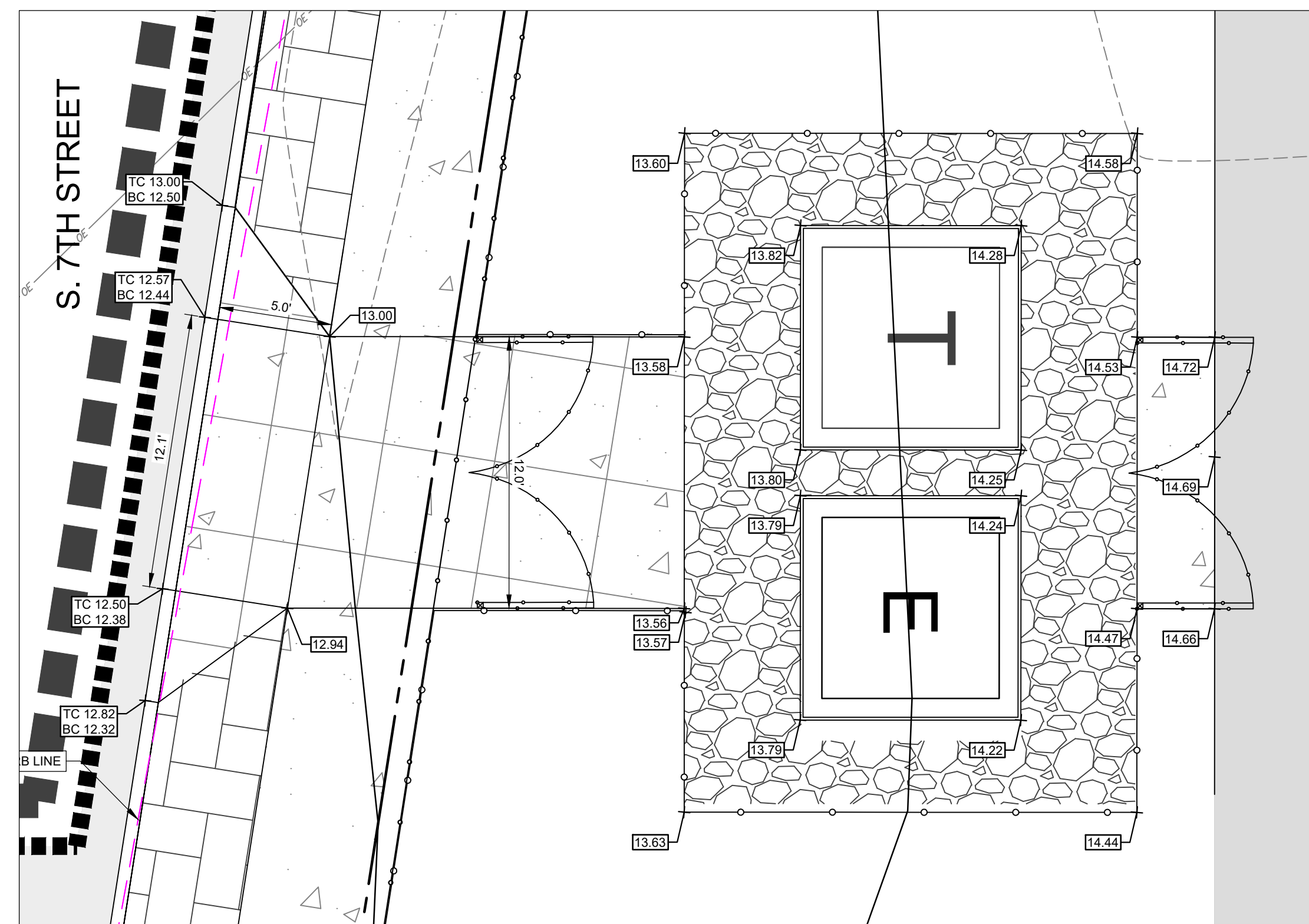


NOT FOR CONSTRUCTION

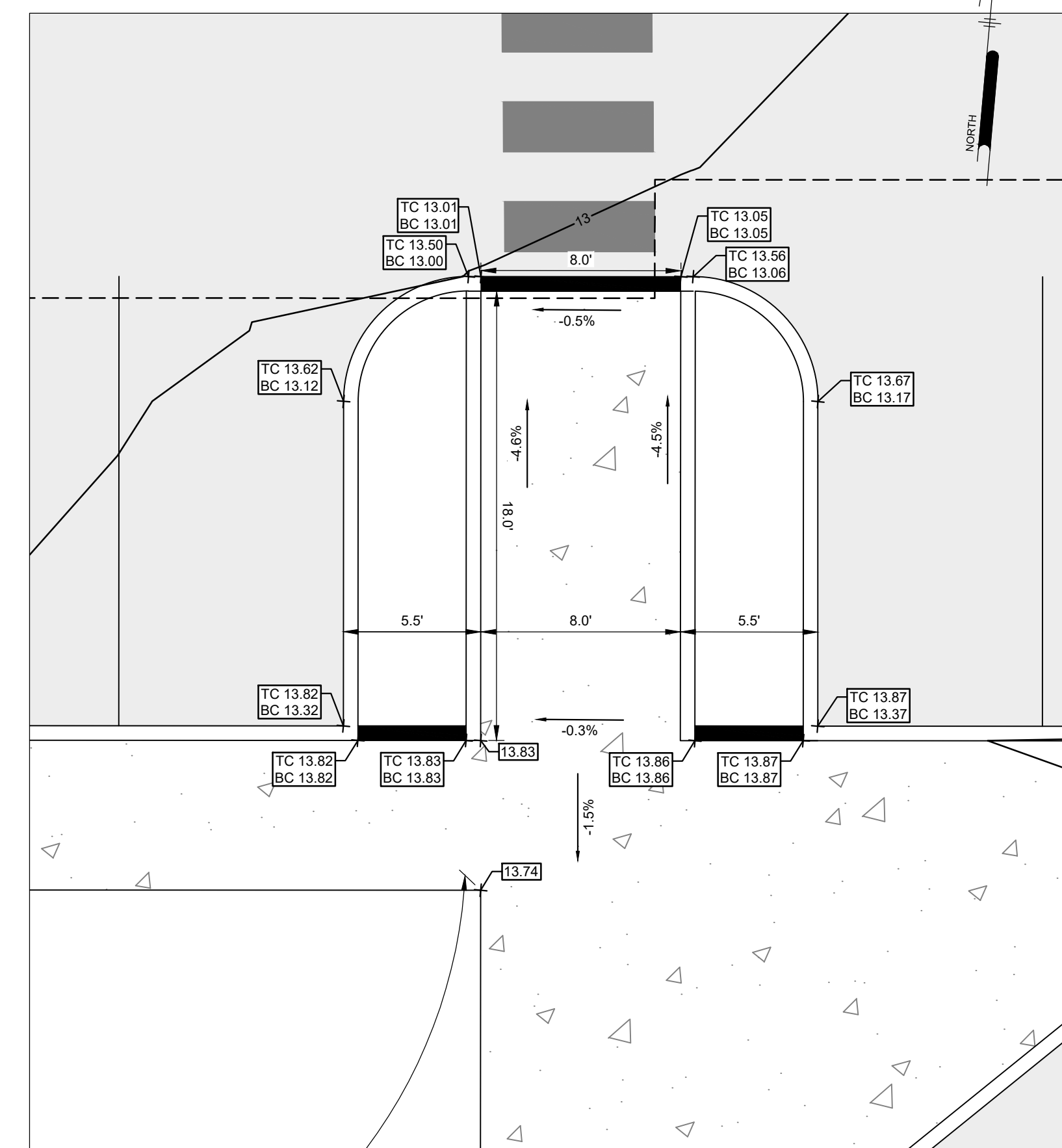
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB



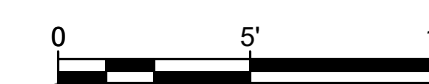
ADA CURB RAMP #1 & #2 GRADING DETAIL
SCALE: 1" = 5'



EQUIPMENT ENCLOSURE AND DRIVEWAY
APRON GRADING DETAIL
SCALE: 1" = 5'



ADA CURB RAMP #5 GRADING DETAIL
SCALE: 1" = 5'



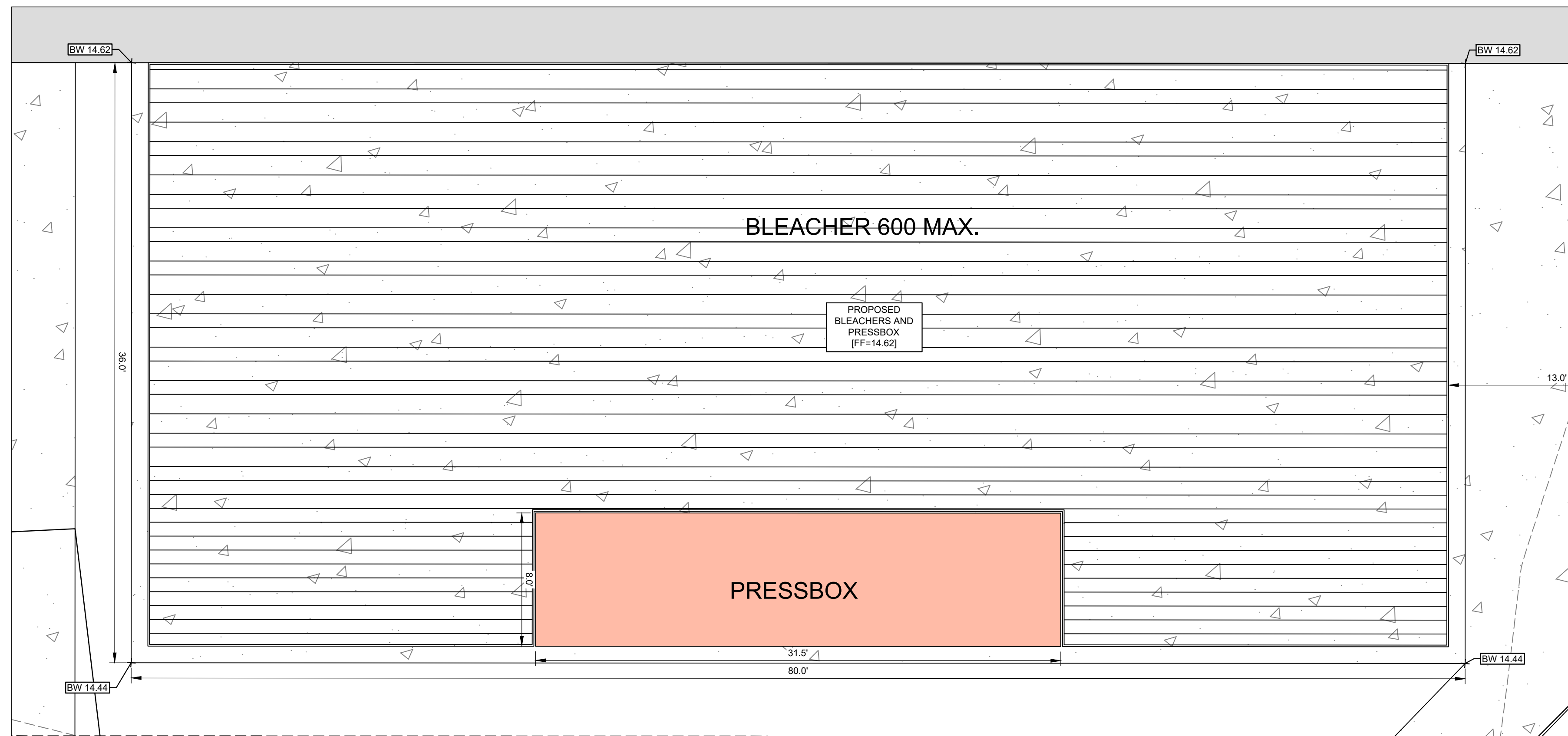
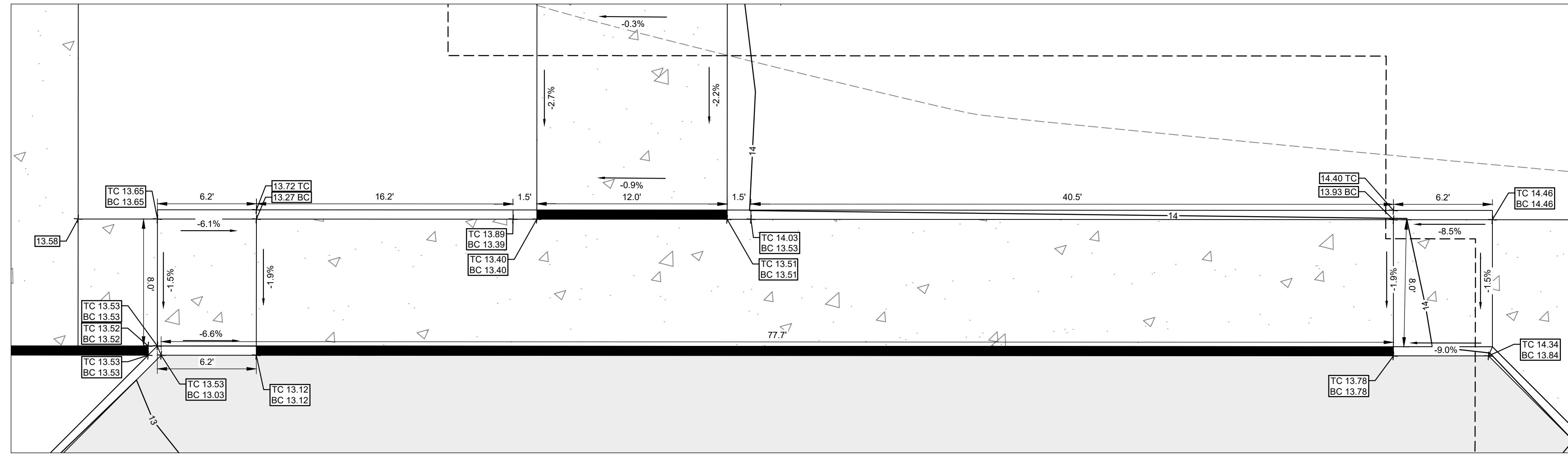
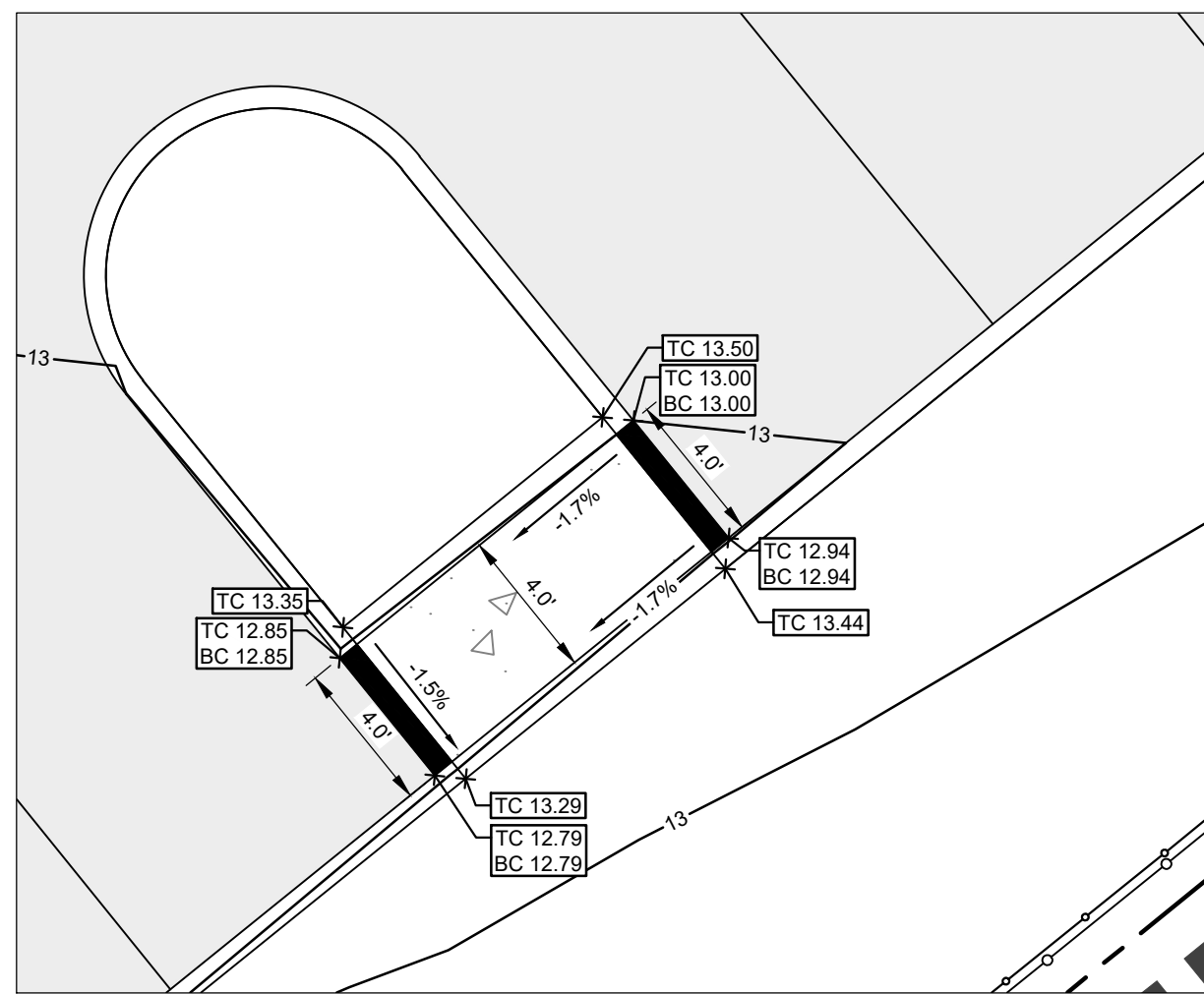
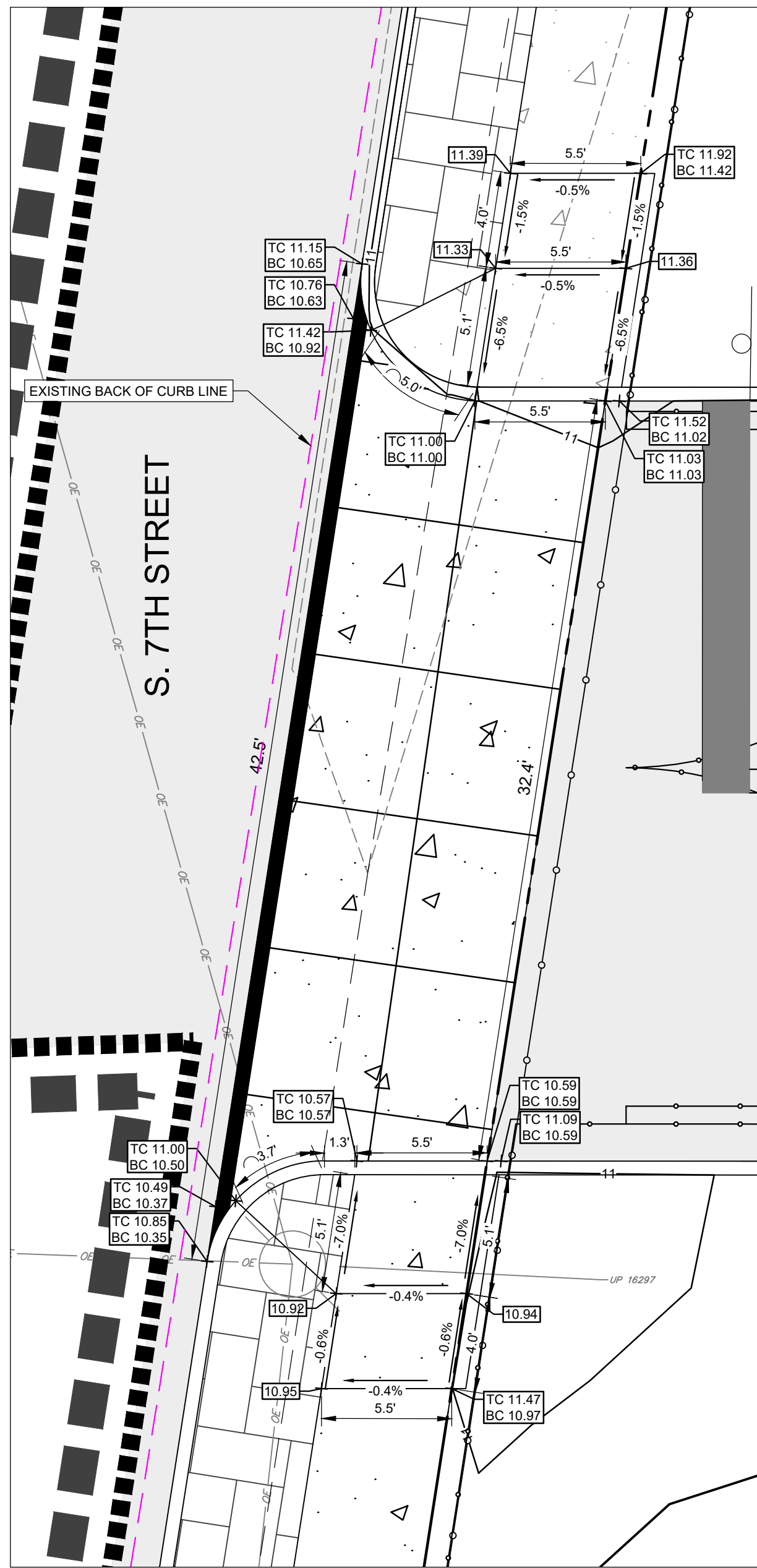
NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

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PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	1"=5'
DRAWN BY	BF
APPROVED BY	JJR

U:\Admin\KCNAX\KCNAX23001 - KCN - Whittier Field Design\DESIGN_SHEETS\CS1502.dwg PLOTTED: 11/14/2024 1:08 AM BY: Eduardo Reina PLOTSTYLE: Pennon V02.ctb



NOTES:

- CONTROLS FOR SCOREBOARD AND SPEAKERS TO BE IN PRESSBOX. CONTRACTOR TO COORDINATE WITH MANUFACTURER.
- CONTRACTOR TO COORDINATE WITH MANUFACTURER ELECTRICAL AND COMMUNICATION LINES.



NOT FOR CONSTRUCTION

U:\Admin\KCNAX23001\KCNAX23001 - Whittier Field Design\DESIGN_SHEETS\CS1503.dwg PLOTTED: 11/14/2024 1:08 AM BY: Eduardo Rabin PLOTSTYLE: Pennon VCS.ctb



PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
NJ COA NO. G428033300

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NJ CERTIFICATE OF AUTHORIZATION NO. G428033300

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788

Joseph Raday
11/15/24

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

ADA RAMP AND DRIVEWAY DETAILS II
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

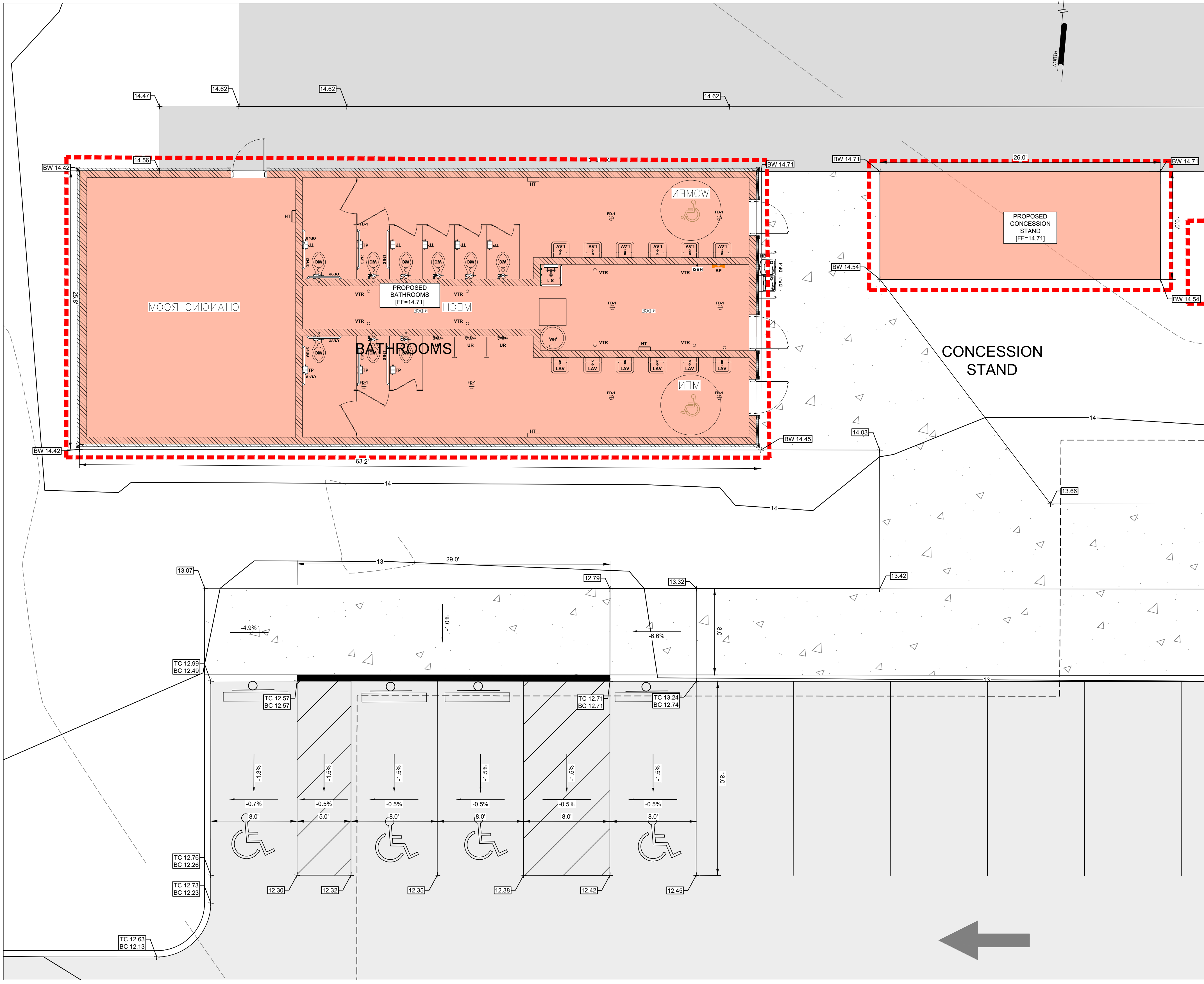
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

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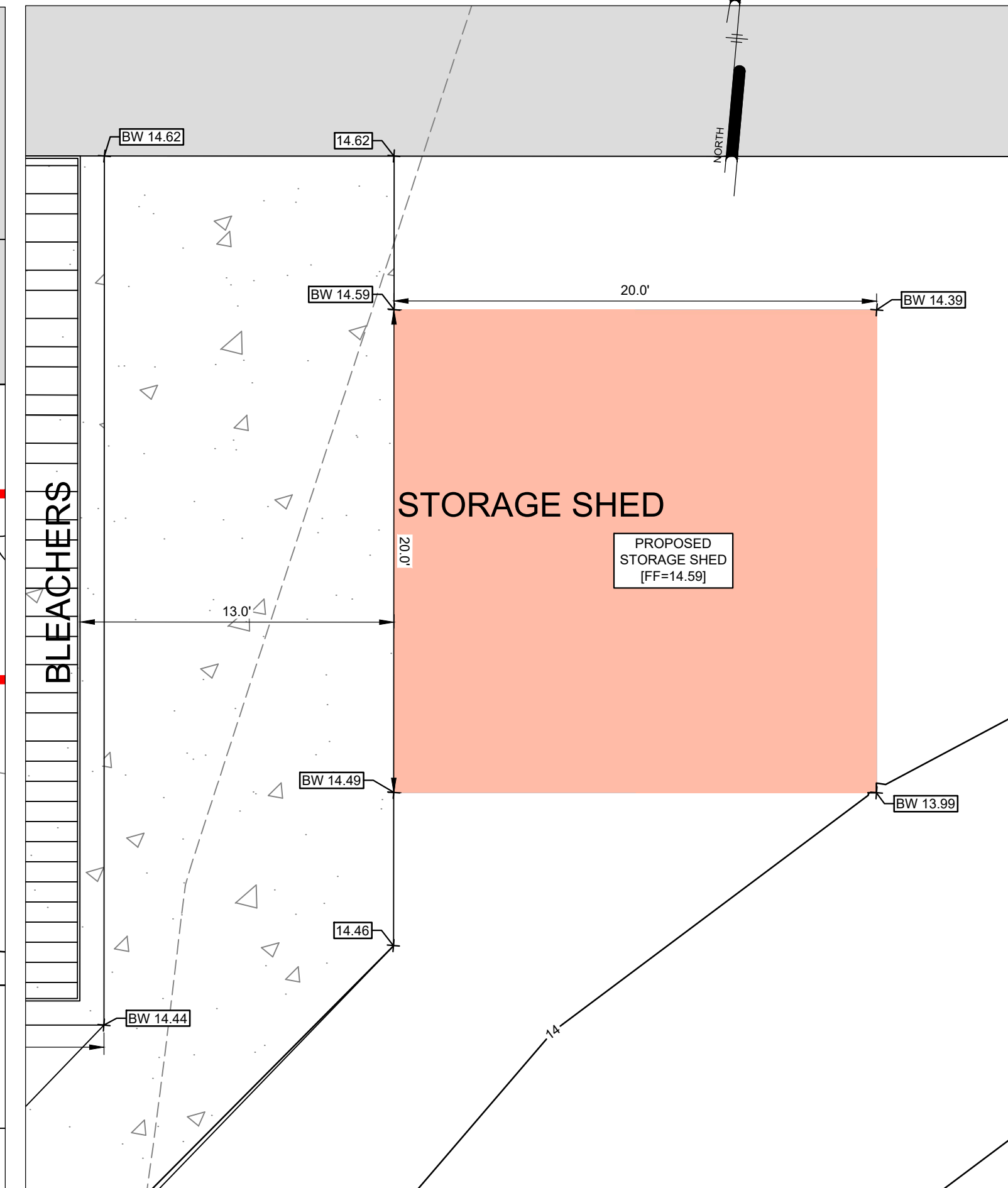
PROJECT: KCNAX23001
DATE: MAY 17, 2024
DRAWING SCALE: 1"=5'
DRAWN BY: BF
APPROVED BY: JUR

CS1503

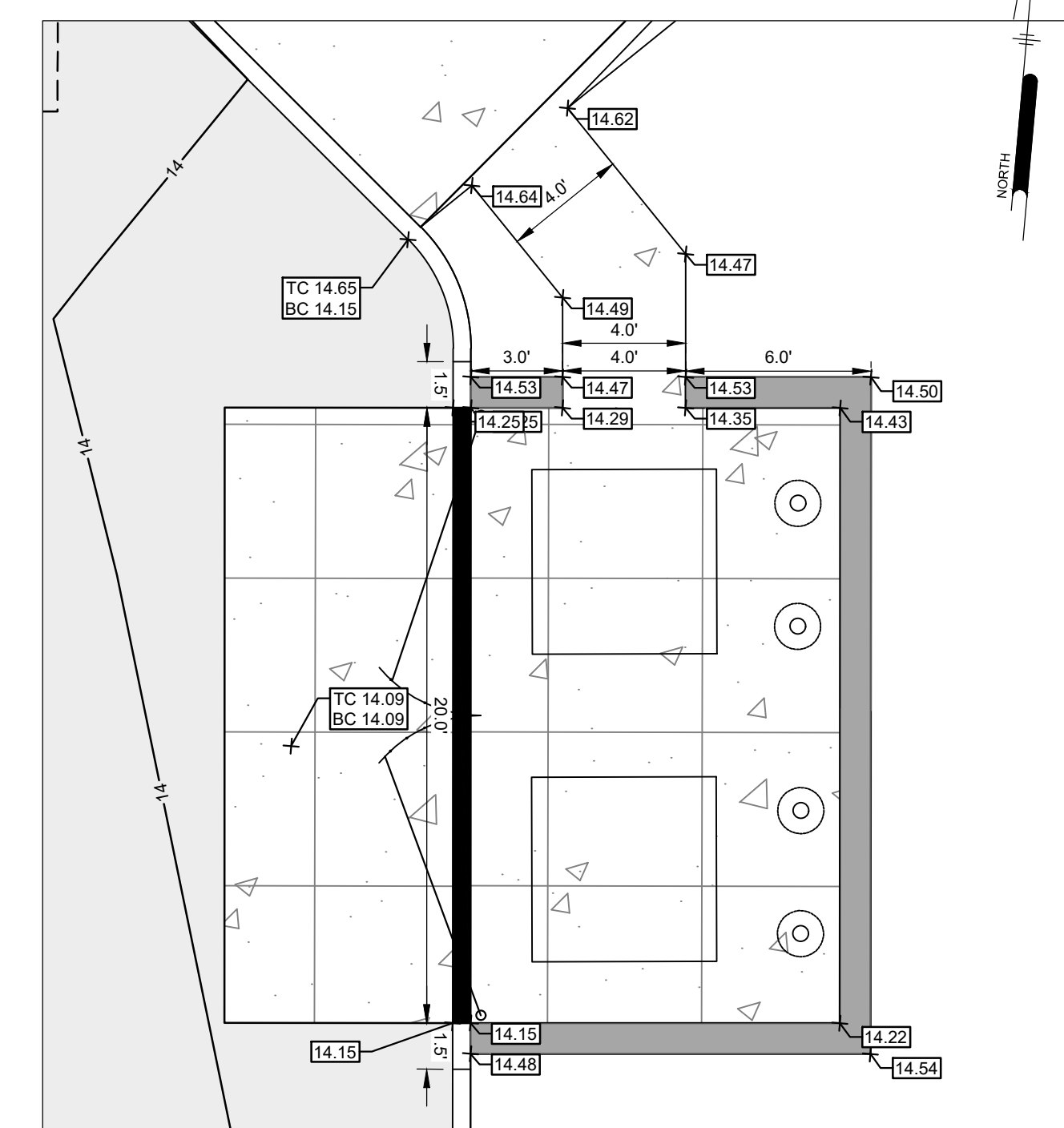
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BATHROOM (PHASE 1) CONCESSION STAND (PHASE 3) AND ADA CURB RAMP GRADING DETAIL
SCALE: 1" = 5'



STORAGE SHED GRADING DETAIL
SCALE: 1" = 5'



TRASH ENCLOSURE GRADING DETAIL
SCALE: 1" = 5'



NOT FOR CONSTRUCTION

PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
NJ COA NO. G428033300

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NJ CERTIFICATE OF AUTHORIZATION NO. G428033300

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. G6043788

11/15/24

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

ADA RAMP & DRIVEWAY DETAILS III

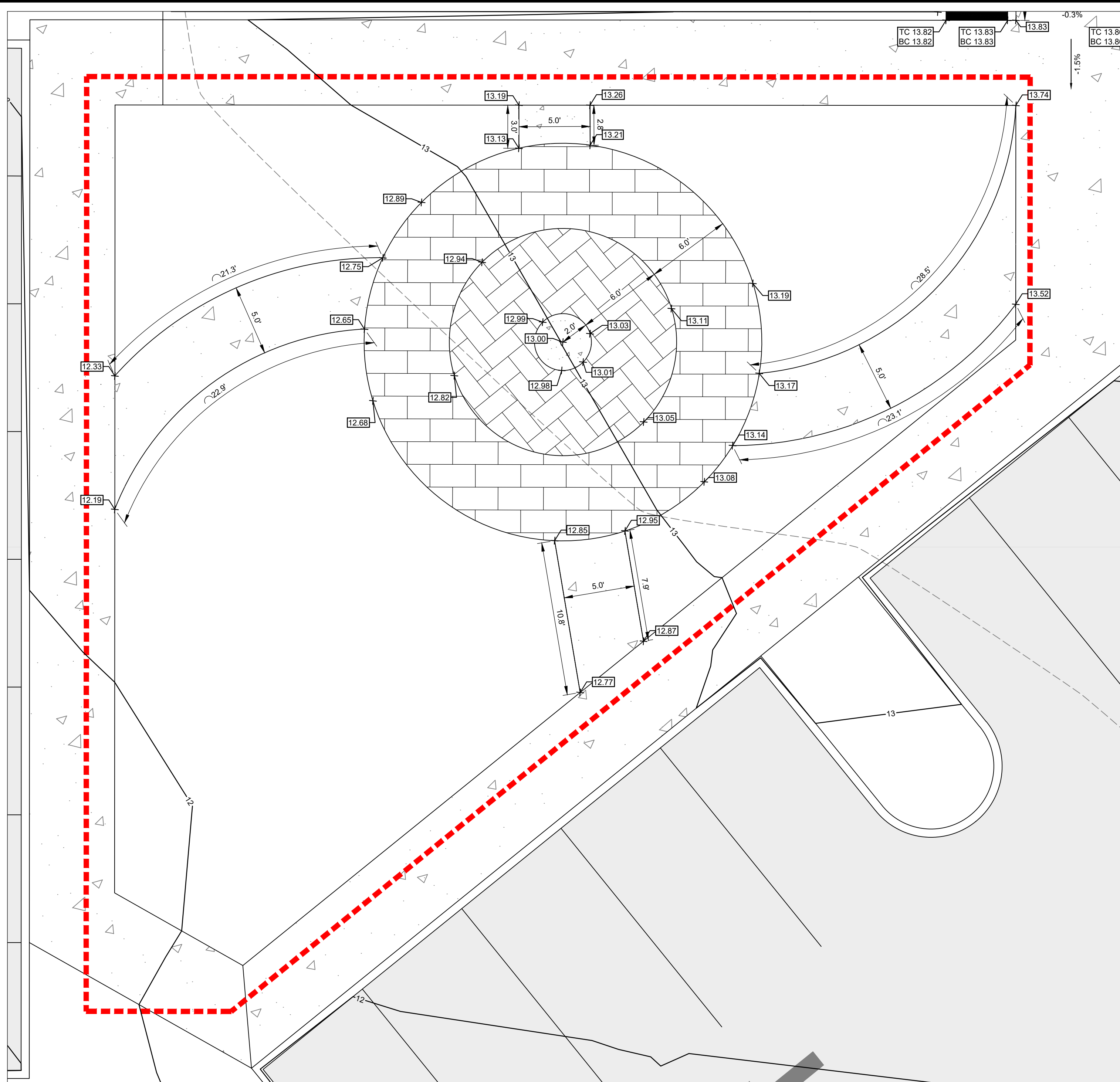
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

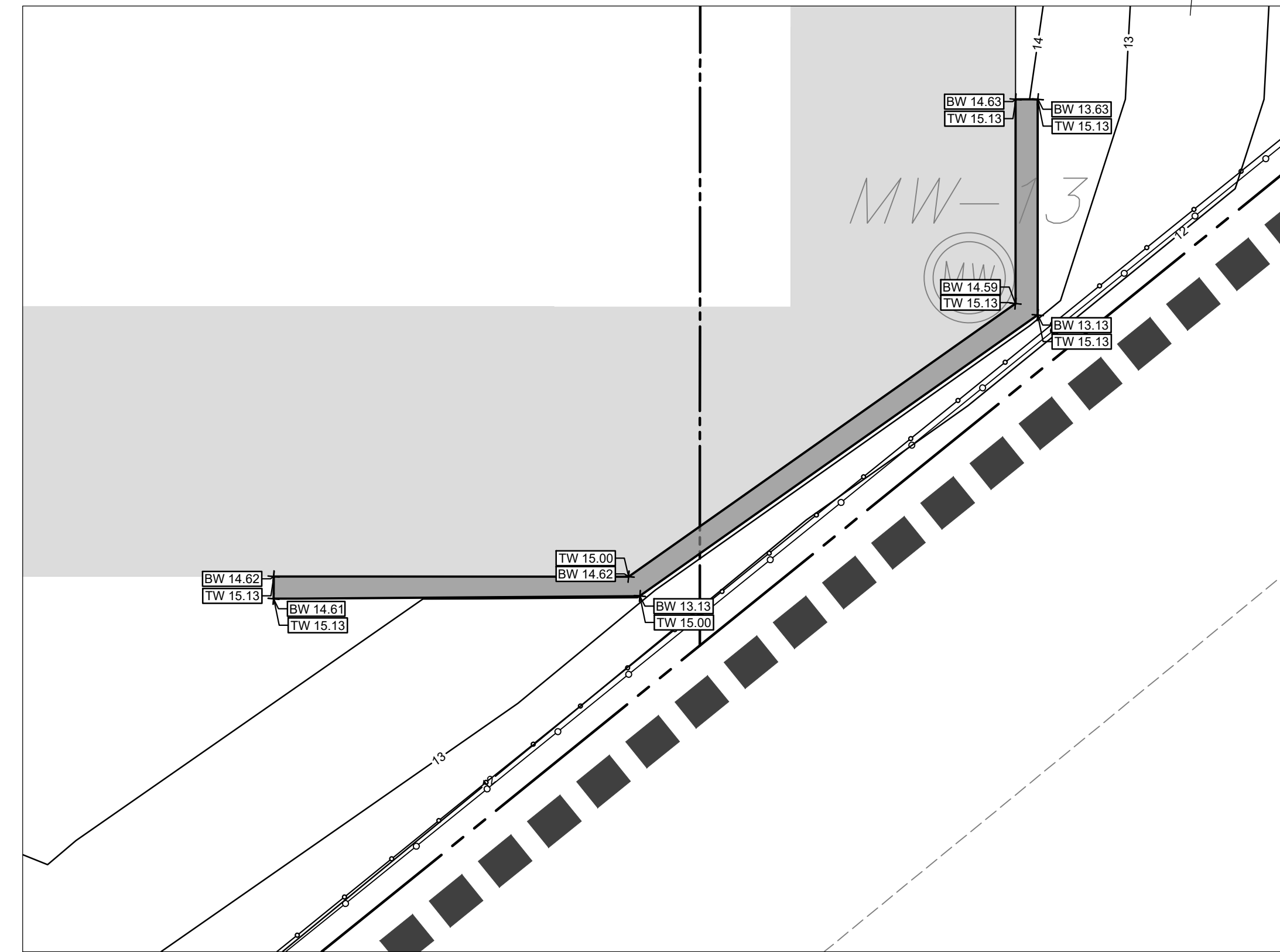
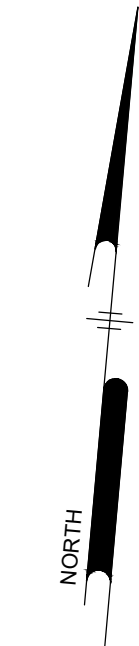
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PROJECT: **KCNAX23001**
DATE: **MAY 17, 2024**
DRAWING SCALE: **1"=5'**
DRAWN BY: **BF**
APPROVED BY: **JJR**

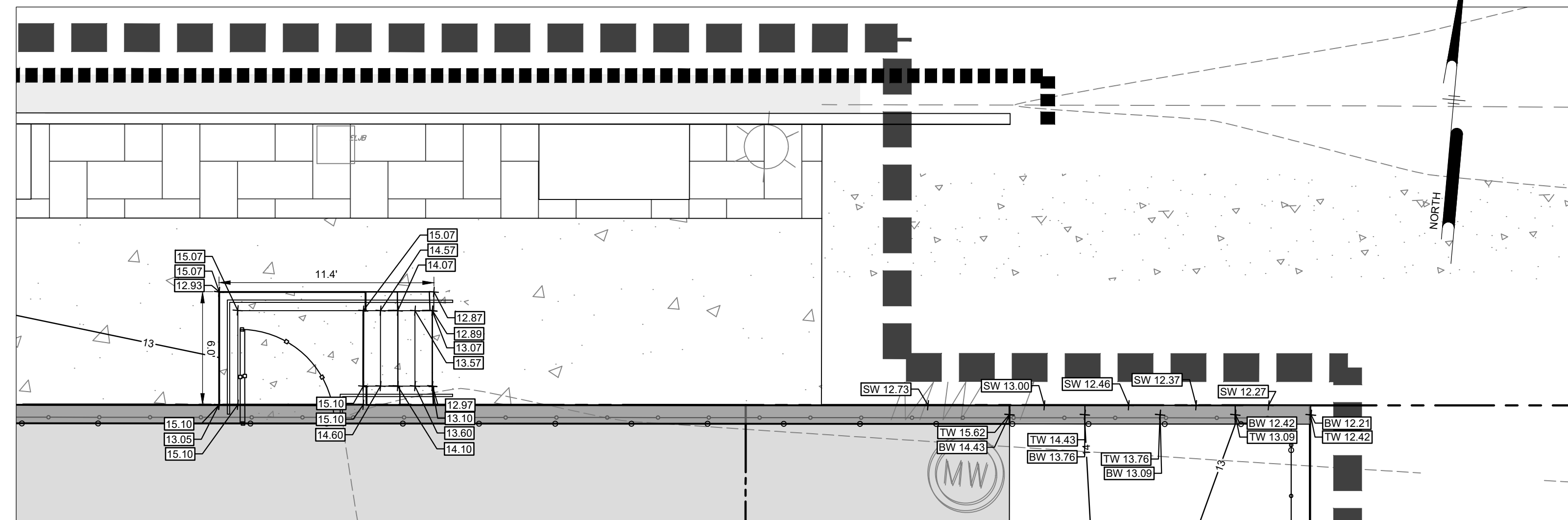
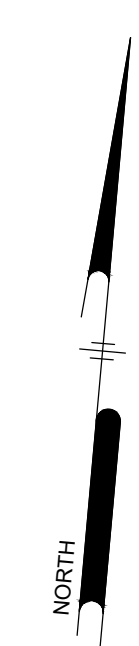
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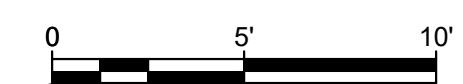
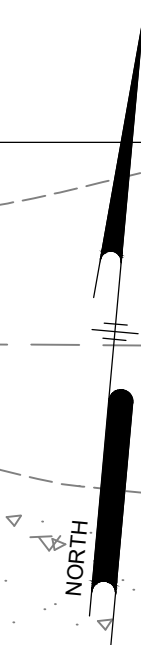
SIDEWALK AND FLAG POLE (PHASE 4) GRADING DETAIL
SCALE: 1" = 5'



WALL DETAIL DETAIL
SCALE: 1" = 5'

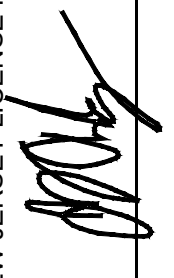


STAIR & WALL DETAIL
SCALE: 1" = 5'



NOT FOR CONSTRUCTION


PENNONI ASSOCIATES INC.
 2 Aquantum Drive, Suite 320
 Camden, NJ 08103
 T 856.668.8600
 NJ COA NO. GA28033300

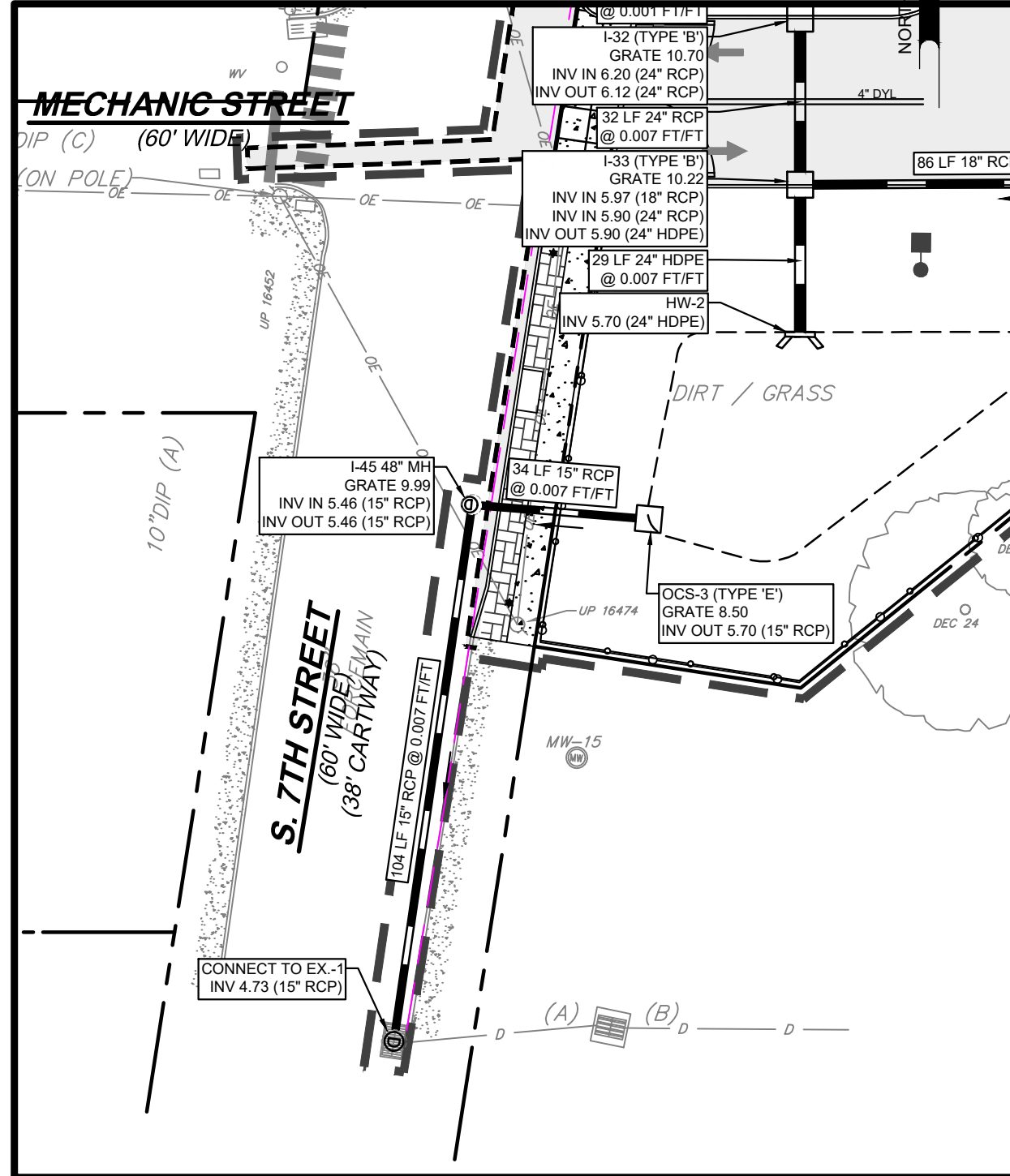
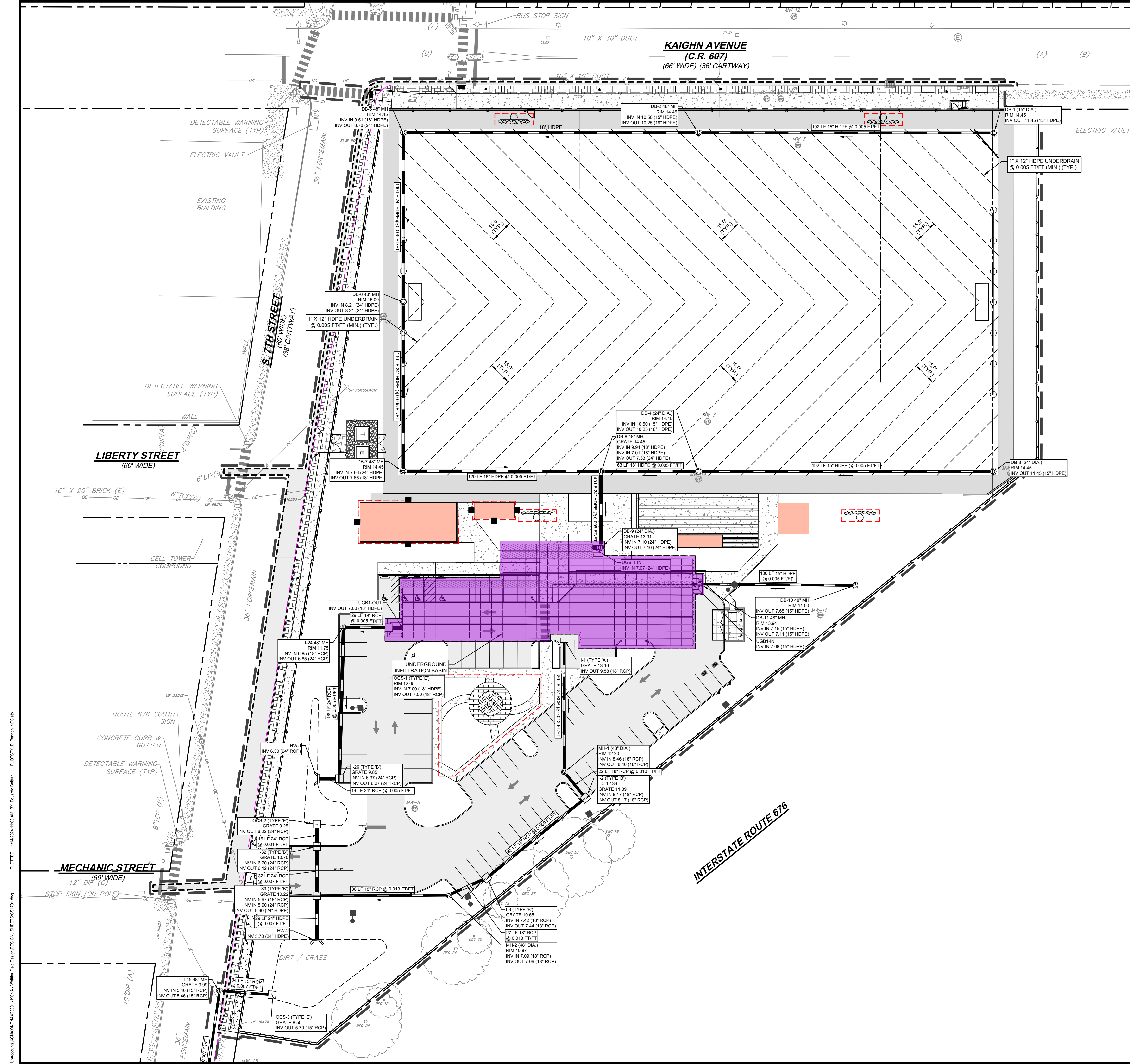
ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
 NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300
JOSEPH RADAY
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. GE043788

 11/15/24

WHITTIER FIELD
 7TH AVENUE & KAIGHN AVENUE
 CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY
ADA RAMP AND DRIVEWAY DETAILS
 IV
KIPP COOPER NORCROSS, INC.
 60 PARK PLACE, SUITE 802
 NEWARK, NJ 07102

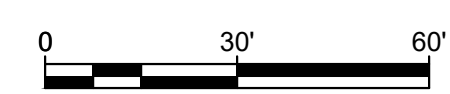
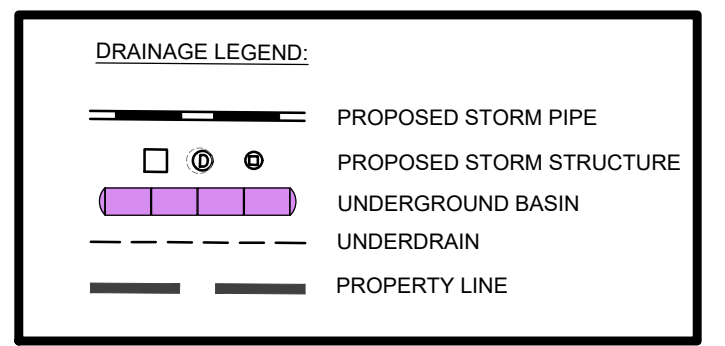
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	1"=5'
DRAWN BY	BF
APPROVED BY	JJR

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INSET 'A' (SEE SHT. CS0500 FOR LOCATION)
SCALE: 1"=30'



NOT FOR CONSTRUCTION

Pennoni
PENNONI ASSOCIATES INC.
 2 Aquantum Drive, Suite 320
 Camden, NJ 08103
 T 856.668.8600
 NJ COA NO. GA28033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
 NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300

JOSEPH RADAY
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. GE043788

11/15/24

WHITTIER FIELD
 7TH AVENUE & KAIGHN AVENUE
 CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

DRAINAGE PLAN

KIPP COOPER NORCROSS, INC.
 60 PARK PLACE, SUITE 802
 NEWARK, NJ 07102

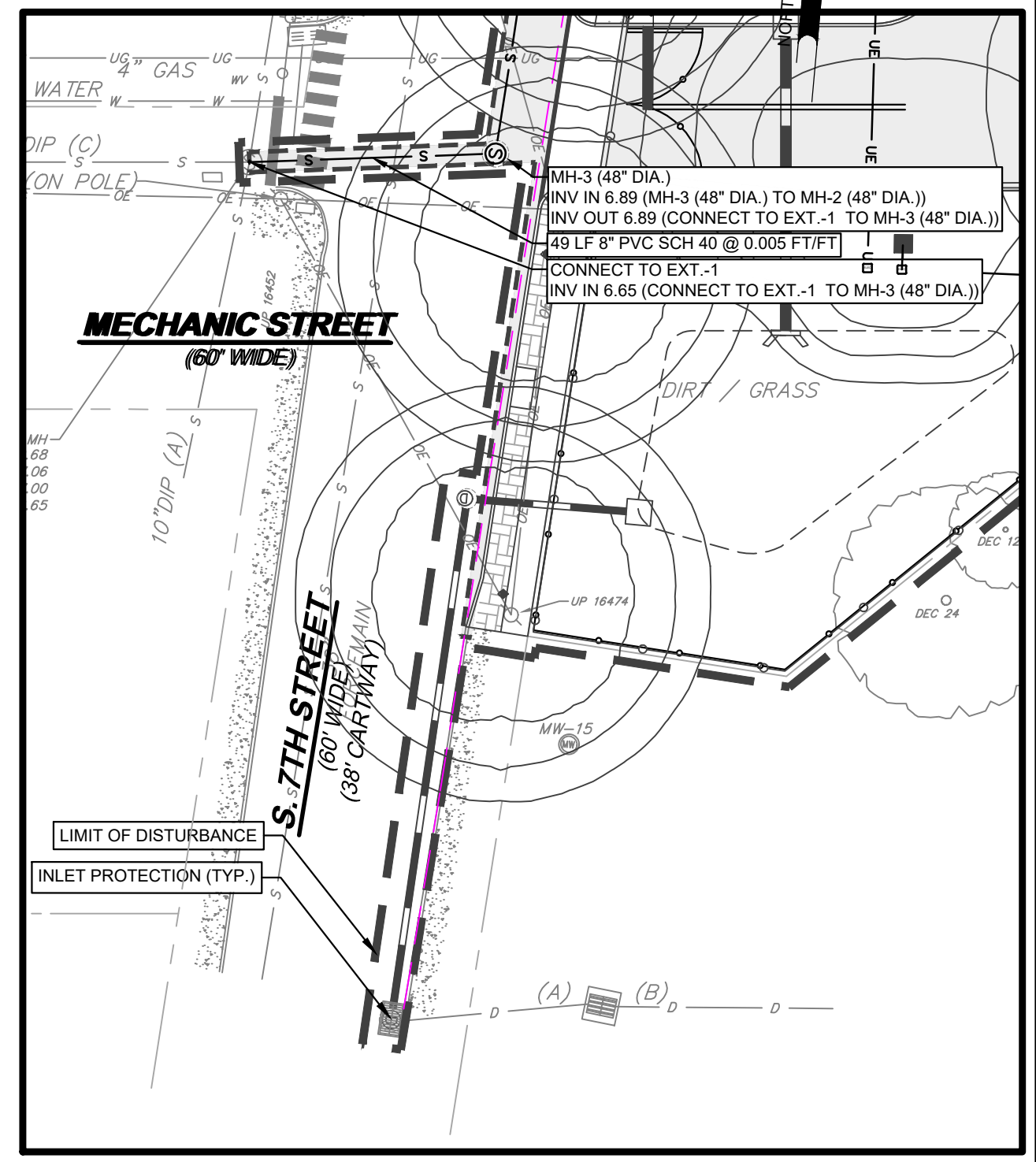
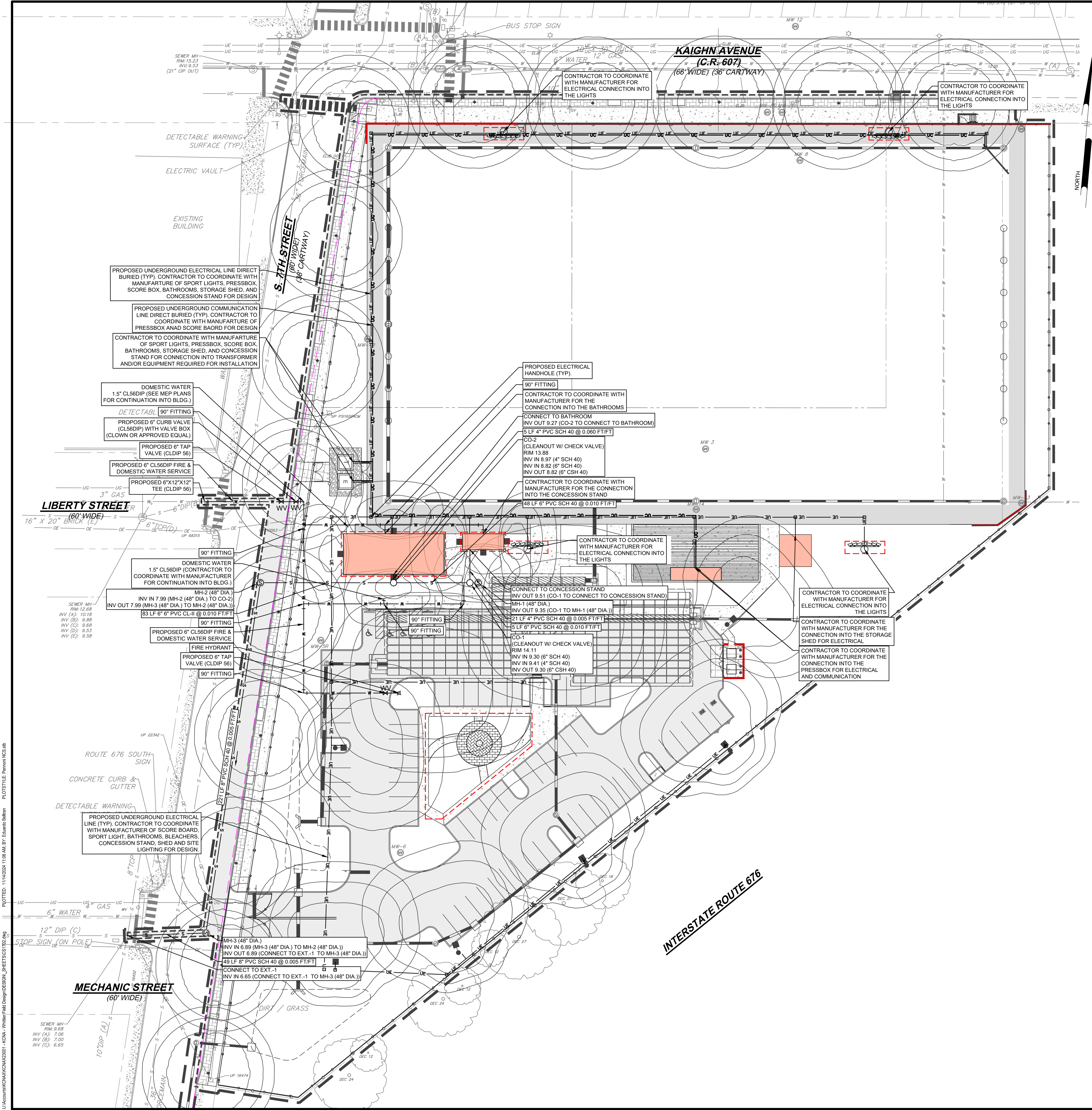
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

PROJECT: **KCNAX23001**
 DATE: **MAY 17, 2024**
 DRAWING SCALE: **1"=30'**
 DRAWN BY: **BF**
 APPROVED BY: **JJR**

CS1701

SHEET **12** OF **39**

U:\Admin\KCNAX23001\KCNAX23001 - WHITTIER FIELD Drainage\DESIGN_SHEETS\CS1701.dwg
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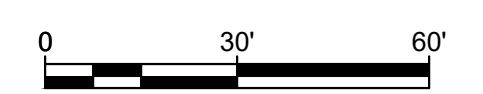


INSET 'A' (SEE SHT. CS0500 FOR LOCATION)
SCALE: 1"=30'

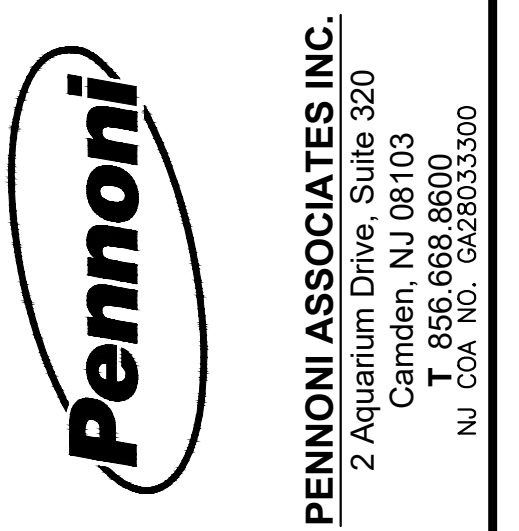
UTILITY LEGEND:

UE	PROPOSED ELECTRICAL LINE
UC	UNDERGROUND COMMUNICATION LINE
W	WATER LINE
S	SEWER LINE
CO	CLEANOUT
CV	WATER VALVE
HY	HYDRANT
CM	COMMUNICATION MANHOLE
EH	ELECTRICAL MANHOLE
PL	PROPERTY LINE

- NOTES:**
- CONTRACTOR TO COORDINATE WITH BLEACHER / PRESSBOX MANUFACTURER REGARDING UTILITIES FOR IMPROVEMENTS.
 - CONTRACTOR TO COORDINATE WITH SCORE BOARD MANUFACTURER REGARDING UTILITIES FOR IMPROVEMENTS. CONTROLS FOR SCORE BOARD AND SPEAKERS TO BE IN PRESSBOX.
 - CONSTRUCT UTILITIES FOR BATHROOM/CONCESSION STAND IN THE BASE BID.



NOT FOR CONSTRUCTION



PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
NJ COA NO. GA28033300

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788

11/15/24

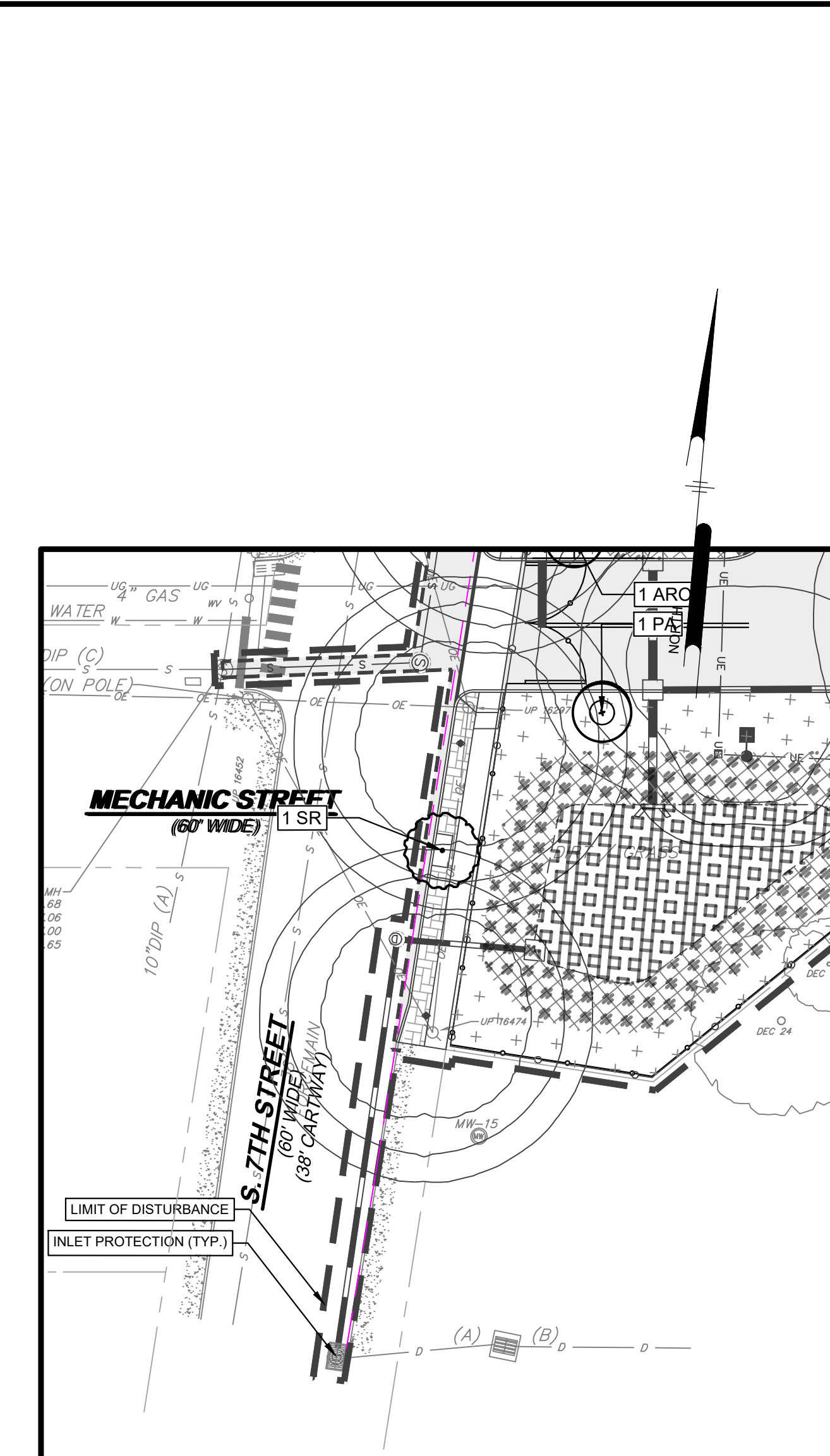
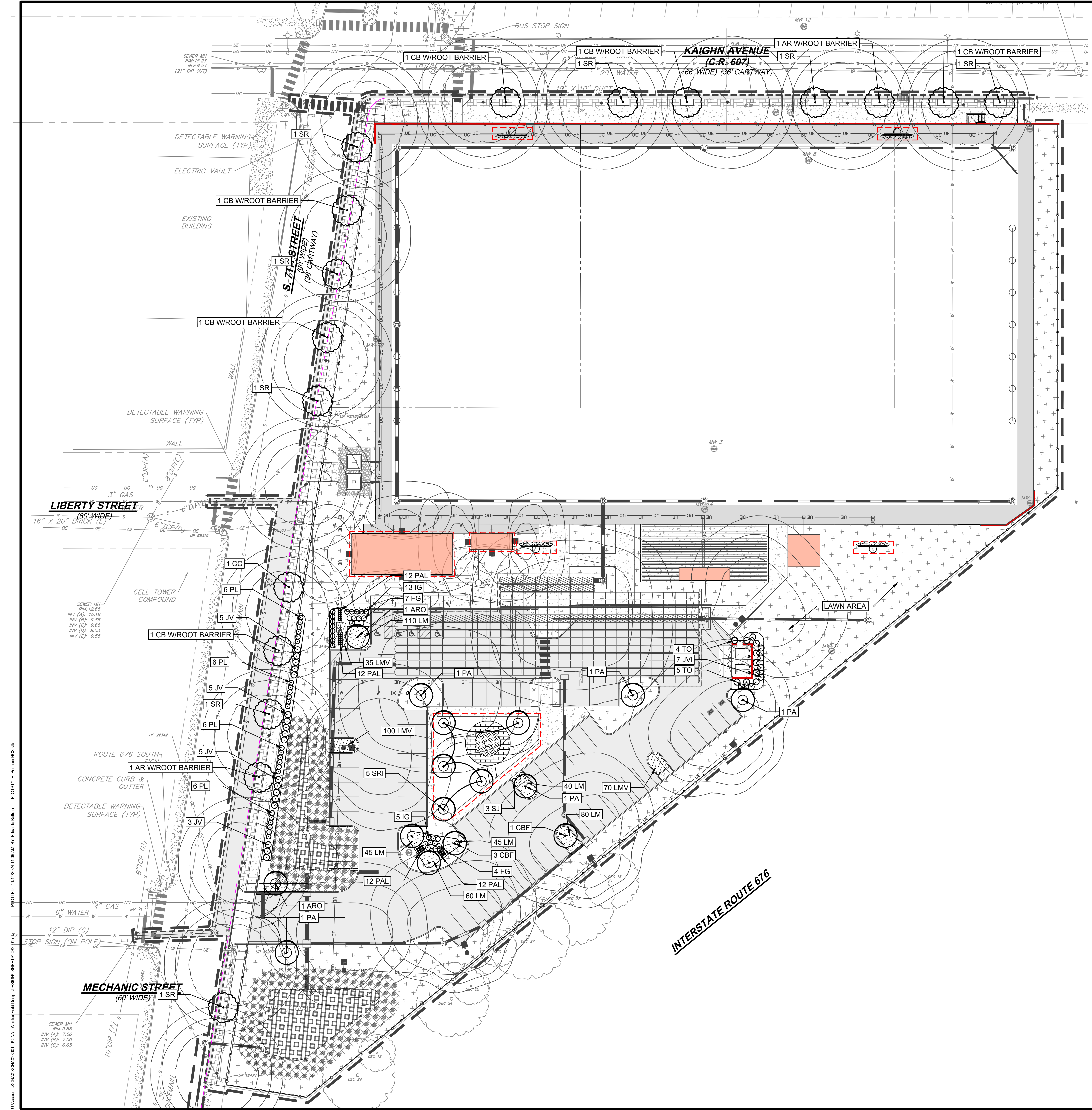
WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

UTILITY PLAN
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

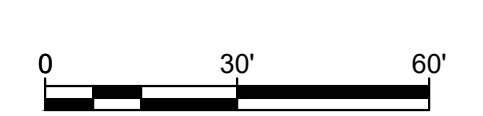
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	1"=30'
DRAWN BY	BF
APPROVED BY	JJR
CS1702	
SHEET	13 OF 39

PROJECT: 11/14/2024 11:08 AM BY: Eabraham:Rehman PLO/STY/LE Pennoni KCS/EB
 U:\Acad\KCNAX\KCNAX23001 - KCNL - Whittier Field Design\DESIGN - SHEETS\CS1702.dwg



INSET 'A' (SEE SHT. CS0500 FOR LOCATION)
SCALE: 1"=30'



NOT FOR CONSTRUCTION

PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
NJ COA NO. GA28033300

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788
11/15/24

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

LANDSCAPE PLAN
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

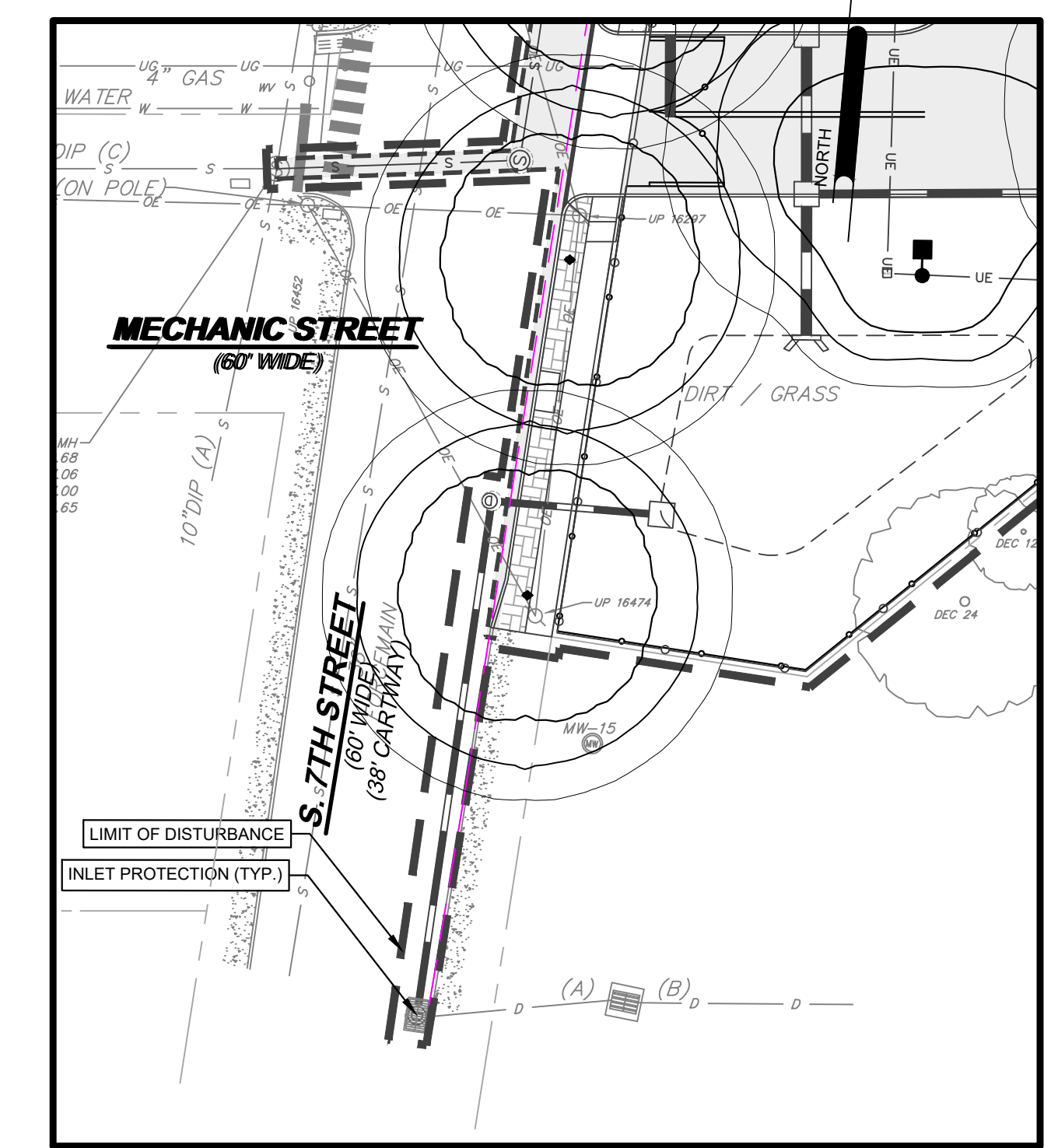
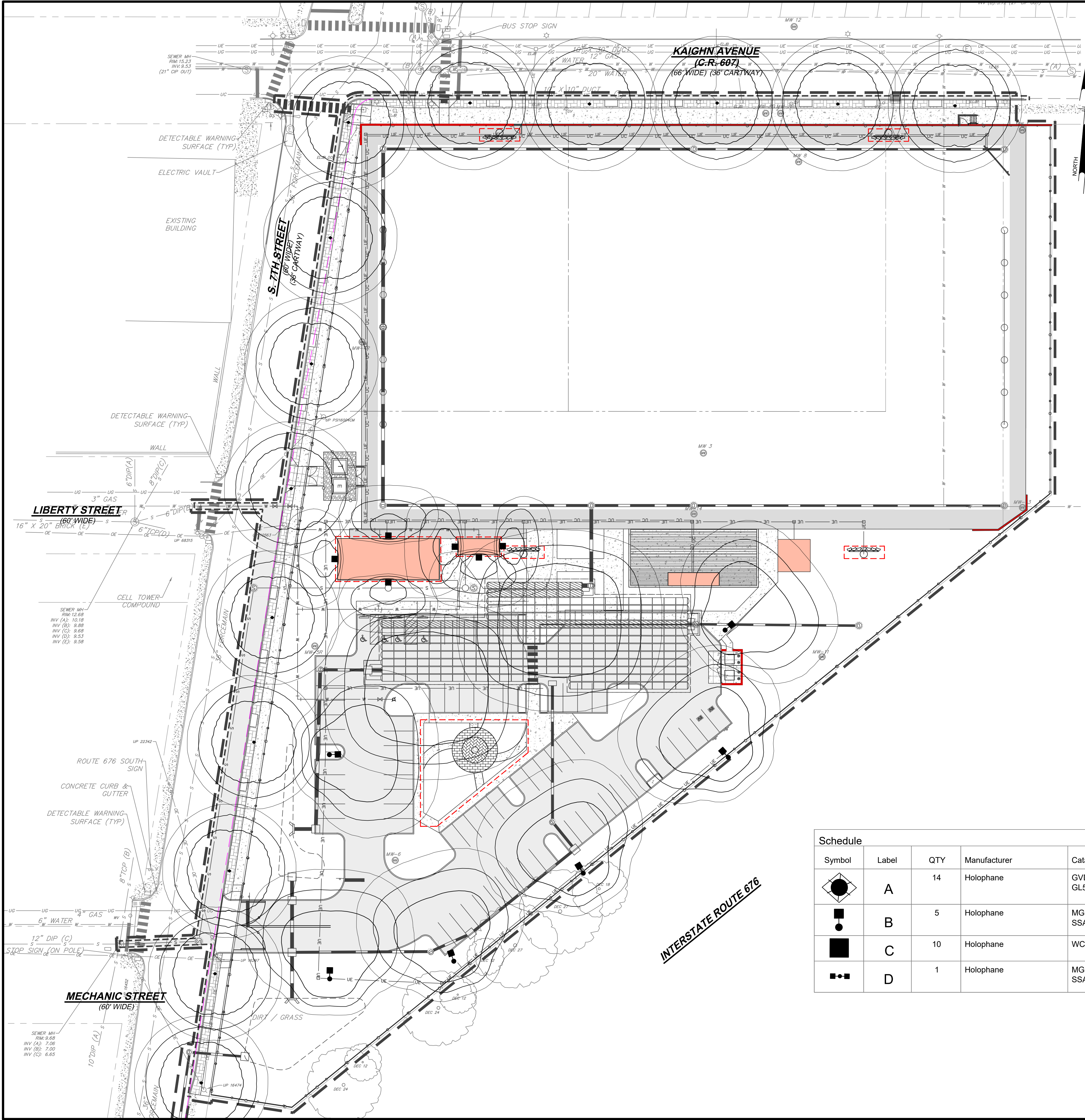
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PROJECT: **KCNAX23001**
DATE: **MAY 17, 2024**
DRAWING SCALE: **1"=30'**
DRAWN BY: **BF**
APPROVED BY: **JJR**

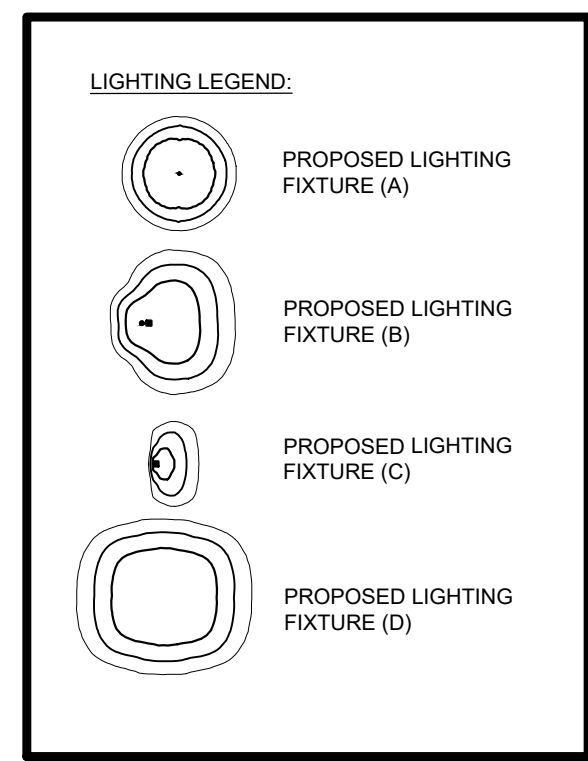
CS2001

SHEET **14** OF **39**

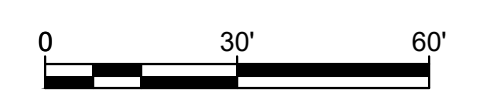
U:\Asst\KCN\KCN23001 - KCN - Whittier Field Design\DESIGN_SHEETS\CS2201.dwg PLOTFILE Pennoni VCS-48
 PLOTTED: 11/14/2024 11:10 AM BY: Eduardo Rehm PLOTSTYLE Pennoni VCS-48



INSET 'A' (SEE SHT. CS0500 FOR LOCATION)
SCALE: 1"=30'



Symbol	Label	QTY	Manufacturer	Catalog	Description	Lamp Output	LLF	Input Power
	A	14	Holophane	GVD3 P20 30K XXXX GL5- 12' WDA pole	GranVille Gen3, P20 Performance Package, 3000K CCT, 70CRI, Type 5 distribution, no trim	5394	0.9	39
	B	5	Holophane	MGLEDM P15 3K FT- 20' SSA Pole	MGLEDM P15 Package 3000K CCT FORWARD THROW (TYPE 4)	17727	0.9	121
	C	10	Holophane	WCNG P1 30K T4M	WCNG P1 Performance Package 3000K CCT Type IV	2087	0.9	15.99
	D	1	Holophane	MGLEDM P15 3K FT- 20' SSA Pole	MGLEDM P15 Package 3000K CCT FORWARD THROW (TYPE 4)	17727	0.9	484



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JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788
J. Raday
11/15/24

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

LIGHTING PLAN
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

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PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	1"=30'
DRAWN BY	BF
APPROVED BY	JJR

CS2201

SHEET 15 OF 39

U:\Admin\KCNAX23001 - KCN - Whittier Field Design\DESIGN_SHEETS\230204.dwg PLOTED: 11/14/2024 11:10 AM BY: Eduardo Rabin PHOTO: Pennoni KCS-48

Equipment List For Areas Shown									
Pole			Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS	
4	F1-F4	70'	-	70'	TLC-LED-1500	7	7	0	
				15.5'	TLC-BT-575	2	2	0	
4				Totals		36	36	0	

Whittier Field
Camden, NJ

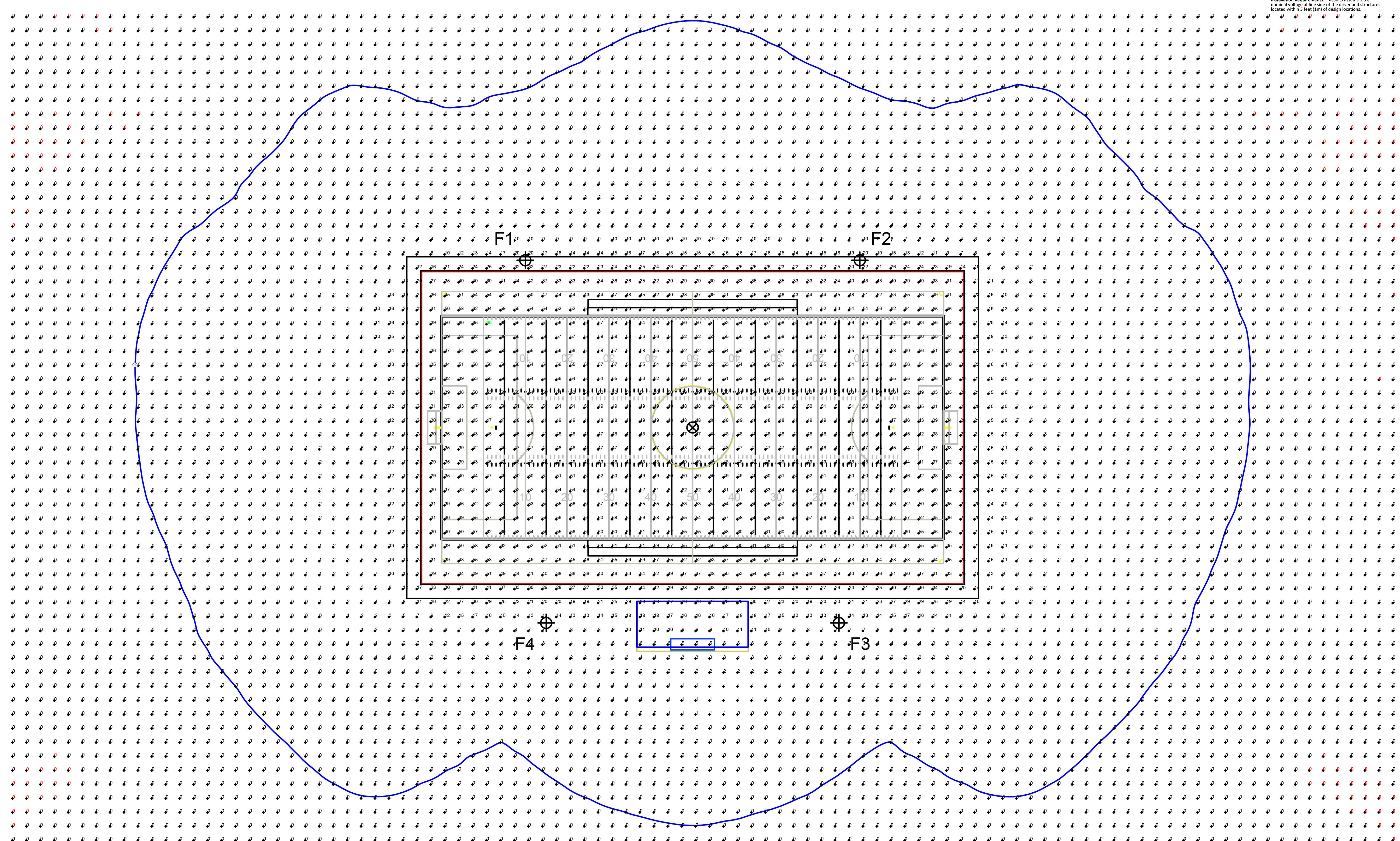
Grid Summary
Name: Zero Grid
Spacing: 10.0' x 10.0'
Height: 3.5' above grade

Illumination Summary

Entire Grid
Scan Average: 8.88
Maximum: 65
Minimum: 0
Avg/Min: -
Max/Min: -
UG (adjacent pts): 45.29
CU: 0.92

LUMINAIRE INFORMATION:
No. of Poles: 6000
Applied Circuits: A
No. of Luminaires: 36
Total Load: 44.08 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical loading.
Installation Requirements: Results assume ± 3% nominal voltage at the side of the driver and structures located within 3 feet (1m) of design locations.



Pennoni

PENNONI ASSOCIATES INC.
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Camden, NJ 08103
T 856.668.8600
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JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. G6043788

11/15/24

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK. NJ CERTIFICATE OF AUTHORIZATION NO. G428033300

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

LIGHTING PLAN - FOOTBALL FIELD

KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

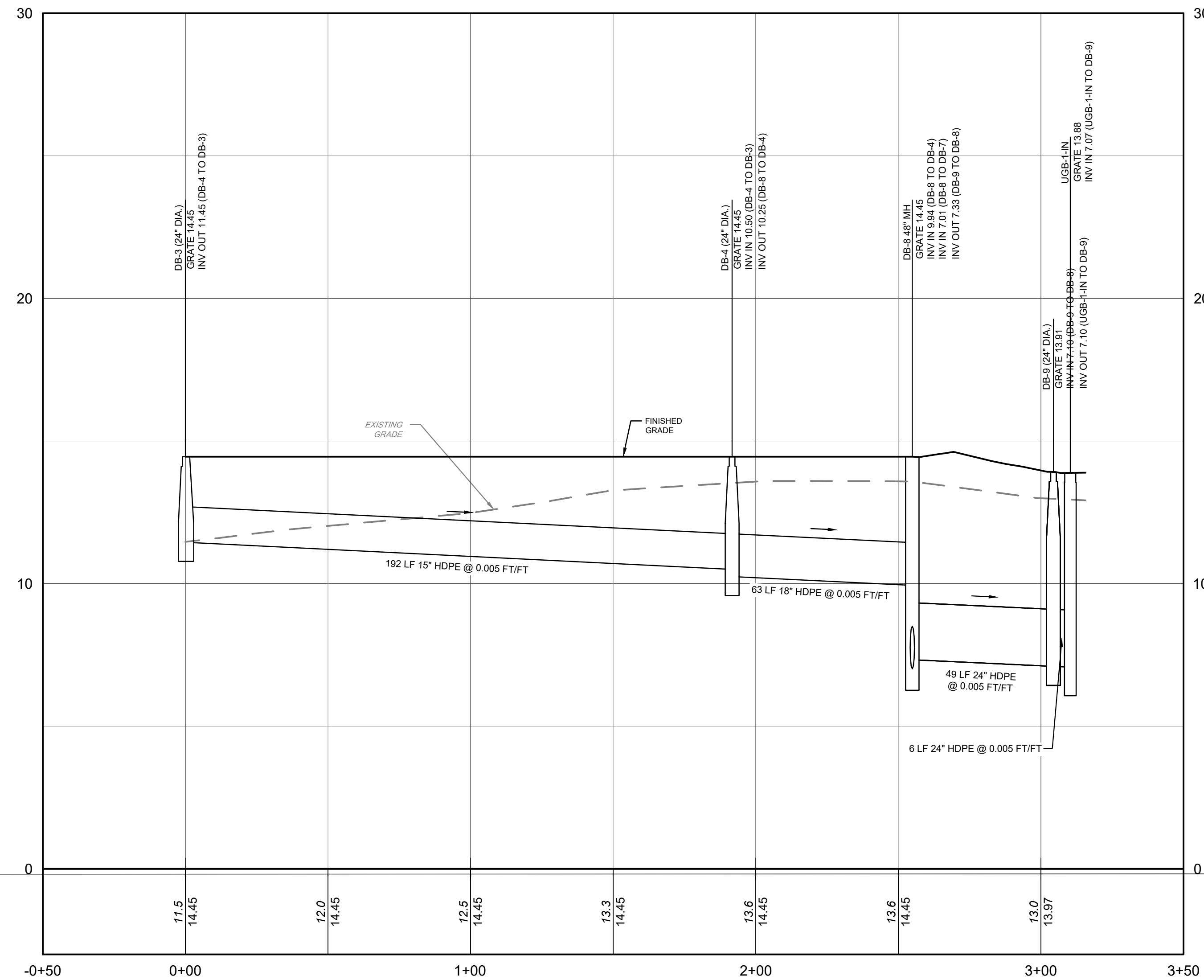
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PROJECT: KCNAX23001
DATE: MAY 17, 2024
DRAWING SCALE: N.T.S.
DRAWN BY: BF
APPROVED BY: JUR

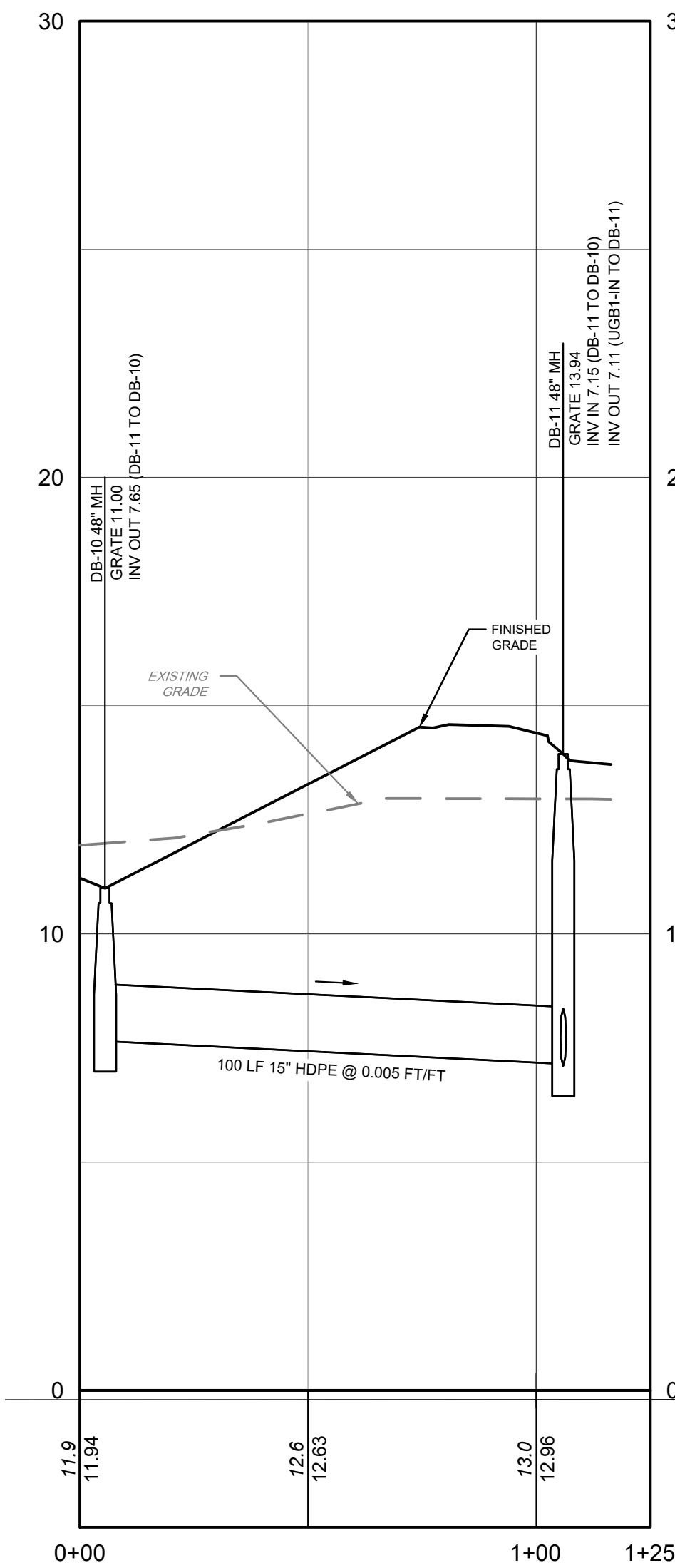
CS6009
SHEET 16 OF 39

1 LIGHTING LEVELS ON THE FIELD
NOT TO SCALE

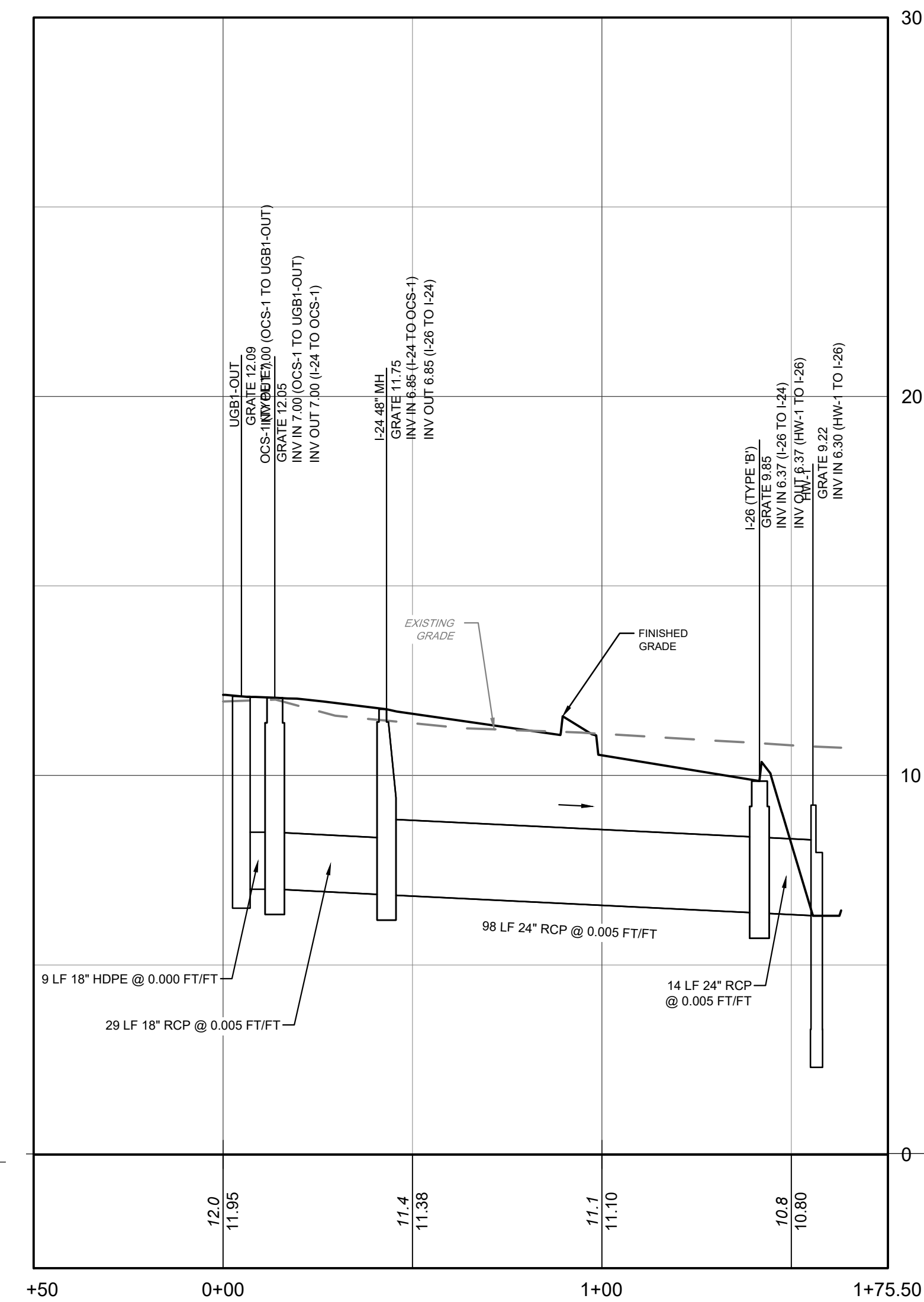
NOT FOR CONSTRUCTION



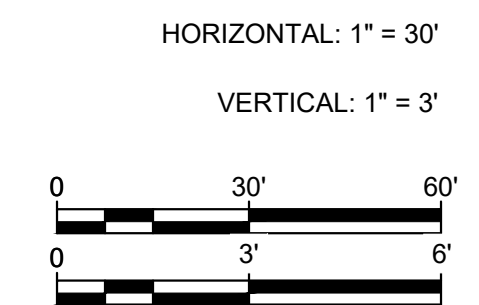
STORM PROFILE (DB-3 TO DB-9)
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



STORM PROFILE (DB-10 TO DB-11)
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



STORM PROFILE (OCS-1 TO HW-1)
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'



NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN

NOT FOR CONSTRUCTION

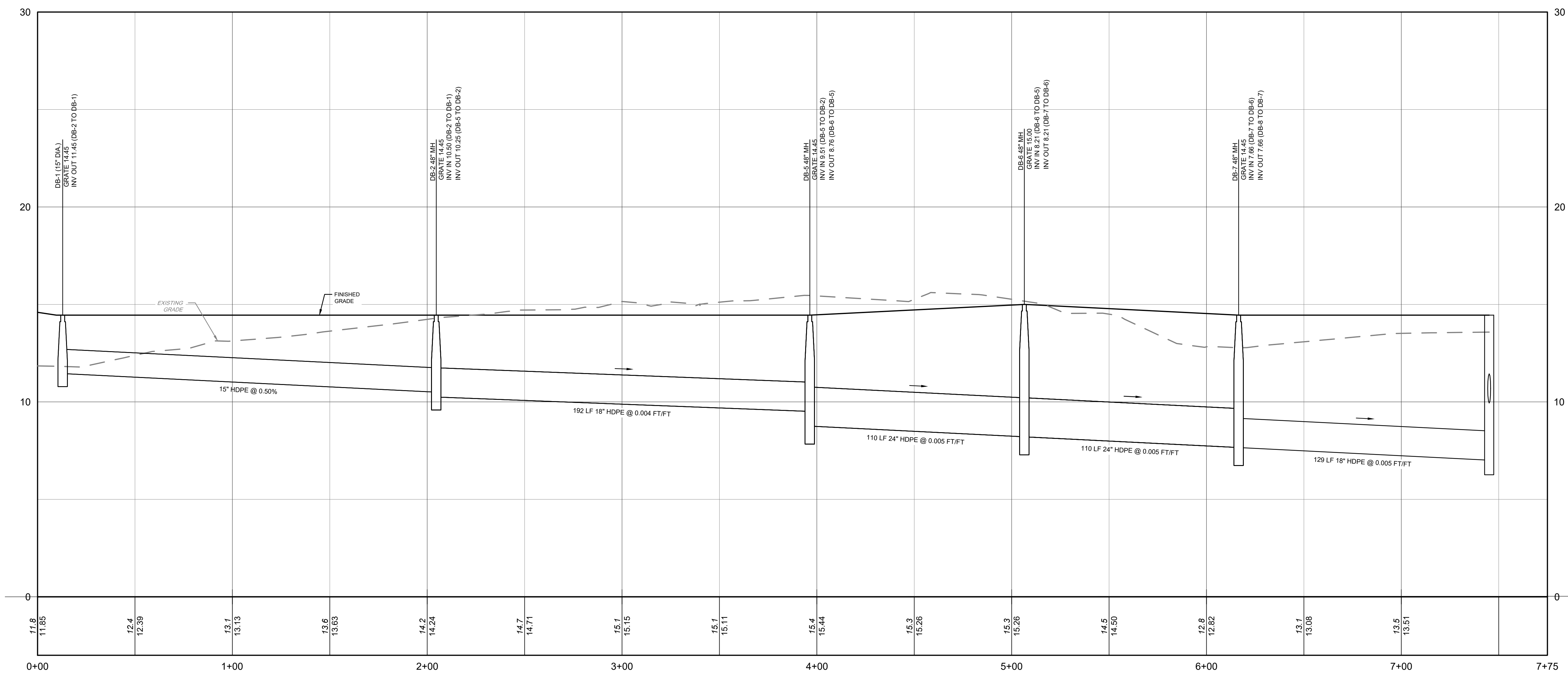
ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
NJ CERTIFICATE OF AUTHORIZATION NO. G428033300
JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043768
[Signature] 11/15/24

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY
STORM SEWER PROFILES I
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

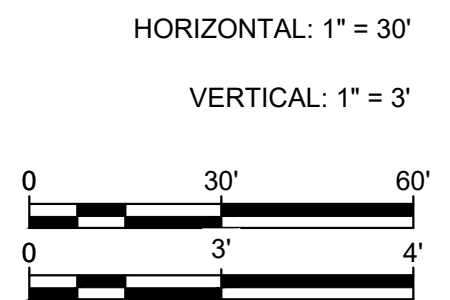
DATE	NO.	REVISIONS	BY
11/19/2024	1	CITY PLANNING BOARD SUBMISSION	EAB

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PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	AS NOTED
DRAWN BY	BF
APPROVED BY	JJR



STORM PROFILE (DB-1 TO DB-8)
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN

NOT FOR CONSTRUCTION

PENNONI ASSOCIATES INC.
 2 Aquantum Drive, Suite 320
 Camden, NJ 08103
 T 856.668.8600
 NJ COA. NO. G428033300

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 NJ CERTIFICATE OF AUTHORIZATION NO. G428033300

JOSEPH RADAY
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. GE043768

[Signature] 11/15/24

WHITTIER FIELD
 7TH AVENUE & KAIGHN AVENUE
 CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

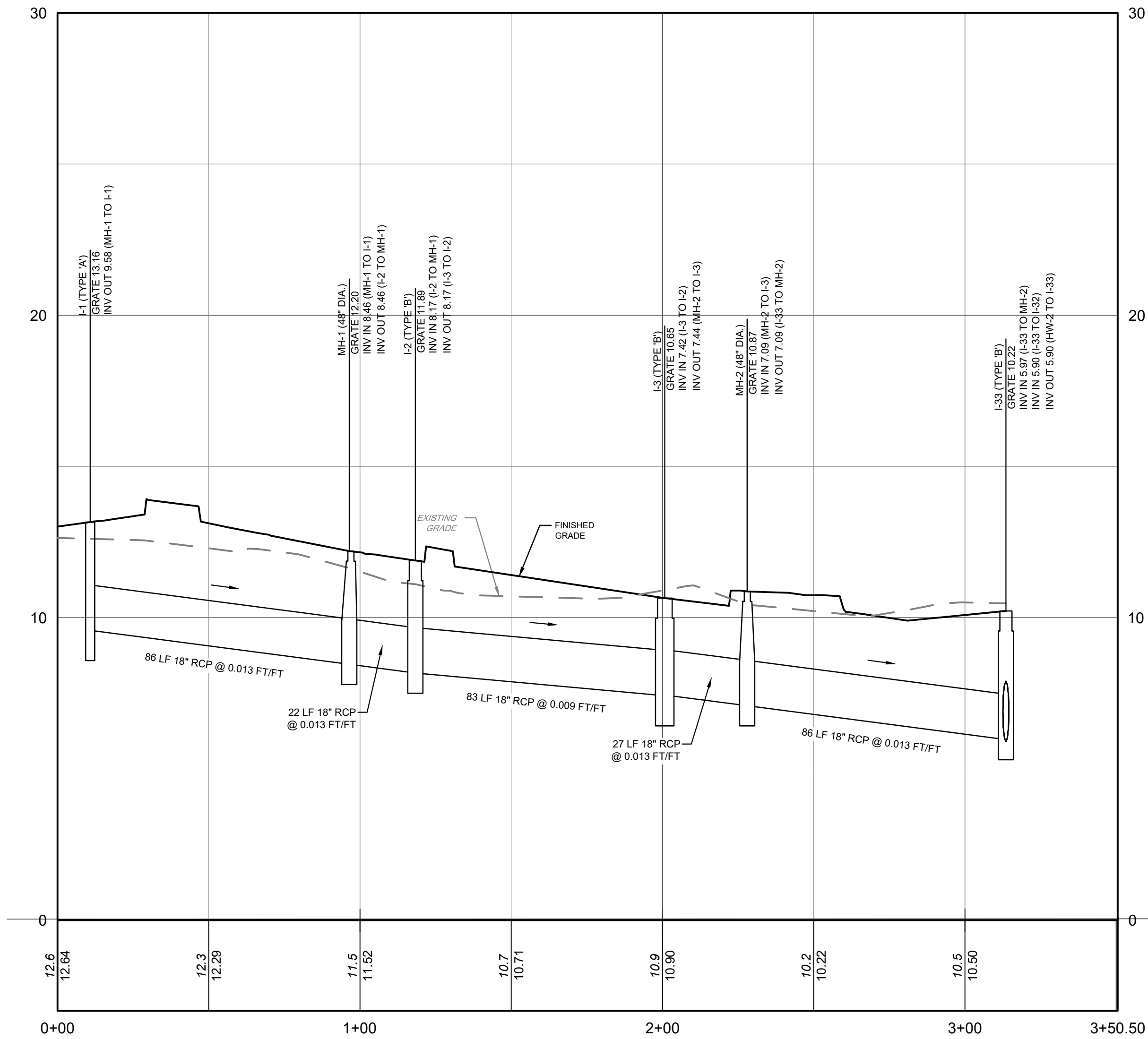
STORM SEWER PROFILE II

KIPP COOPER NORCROSS, INC.
 60 PARK PLACE, SUITE 802
 NEWARK, NJ 07102

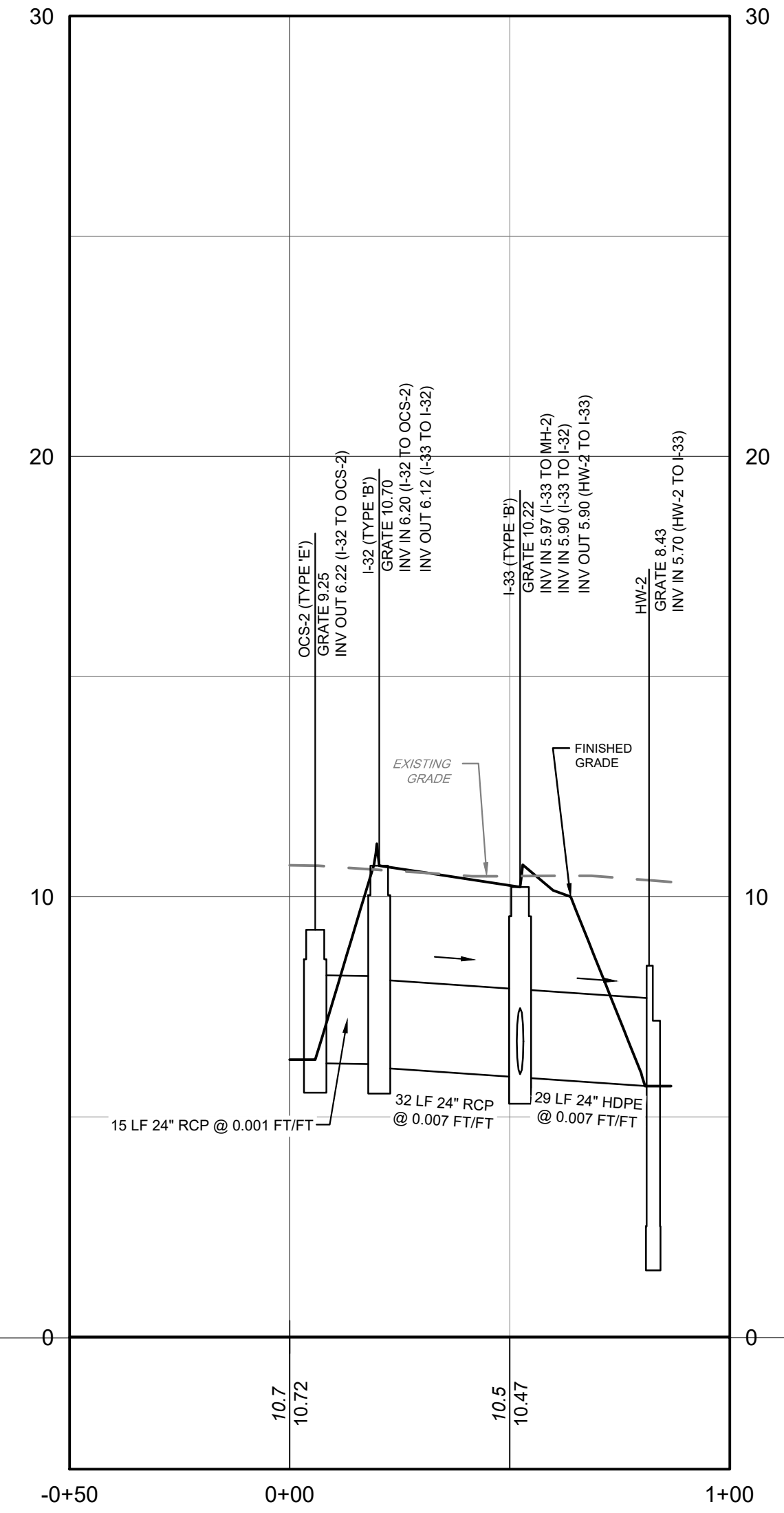
DATE	NO.	REVISIONS	BY
11/19/2024	1	CITY PLANNING BOARD SUBMISSION	EAB

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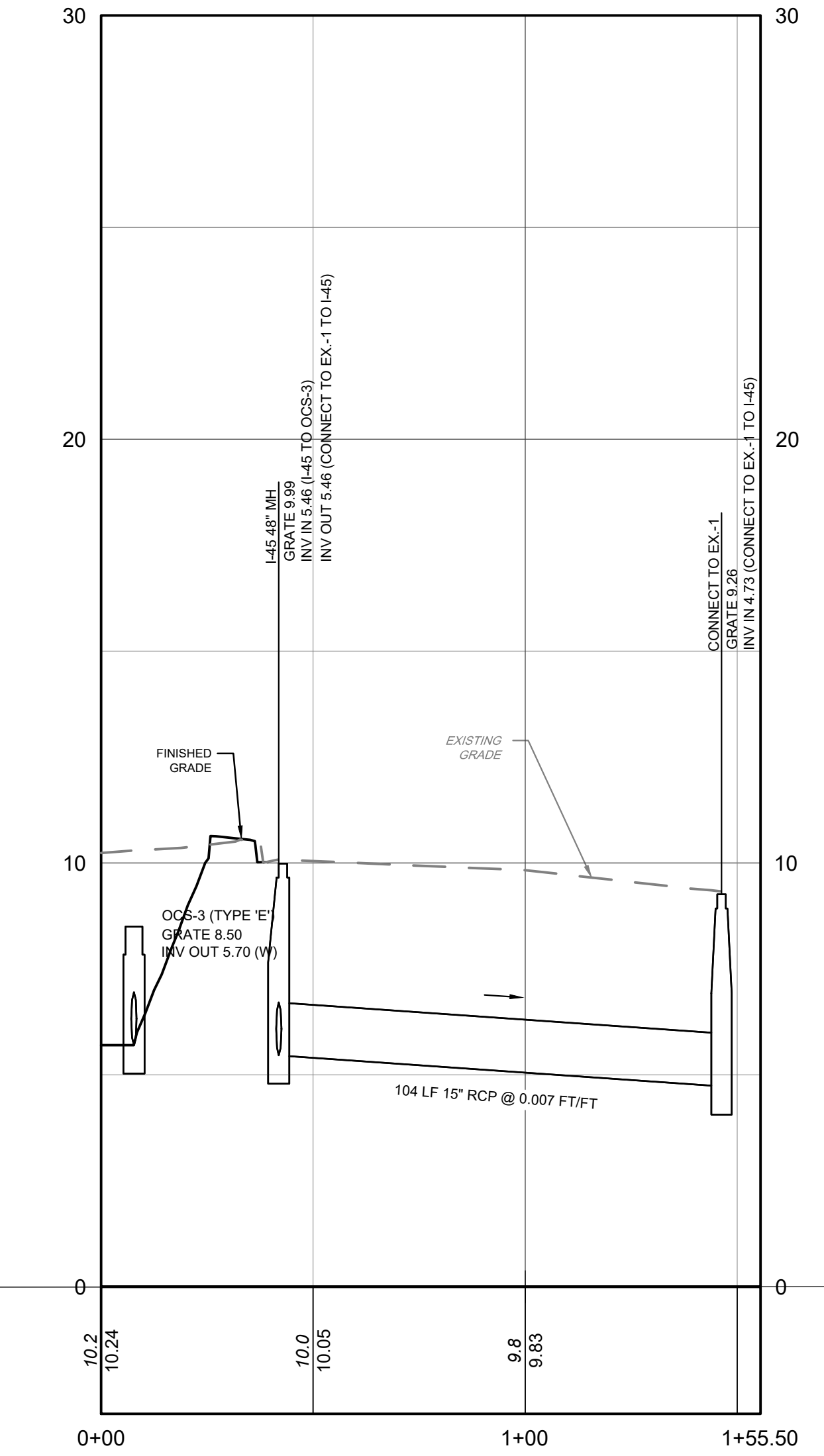
PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	1"=30'
DRAWN BY	BF
APPROVED BY	JJR



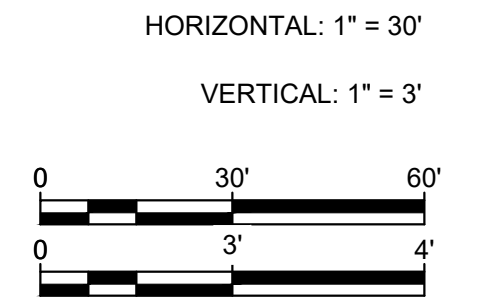
STORM PROFILE (I-1 TO I-4)
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



STORM PROFILE (OCS-2 TO HW-2)
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



STORM PROFILE (OCS-3 TO EX-1)
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



NOTE: ALL SITE WORK CONSTRUCTION AND
 DETAILS MUST CONFORM TO THE STANDARDS
 OF THE CITY OF CAMDEN

NOT FOR CONSTRUCTION

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR
 AND OWNER MUST BE NOTIFIED OF ANY
 DISCREPANCIES BEFORE PROCEEDING WITH WORK
 NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300

JOSEPH RADAY
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. GE043768
 11/15/24

WHITTIER FIELD
 7TH AVENUE & KAIGHN AVENUE
 CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

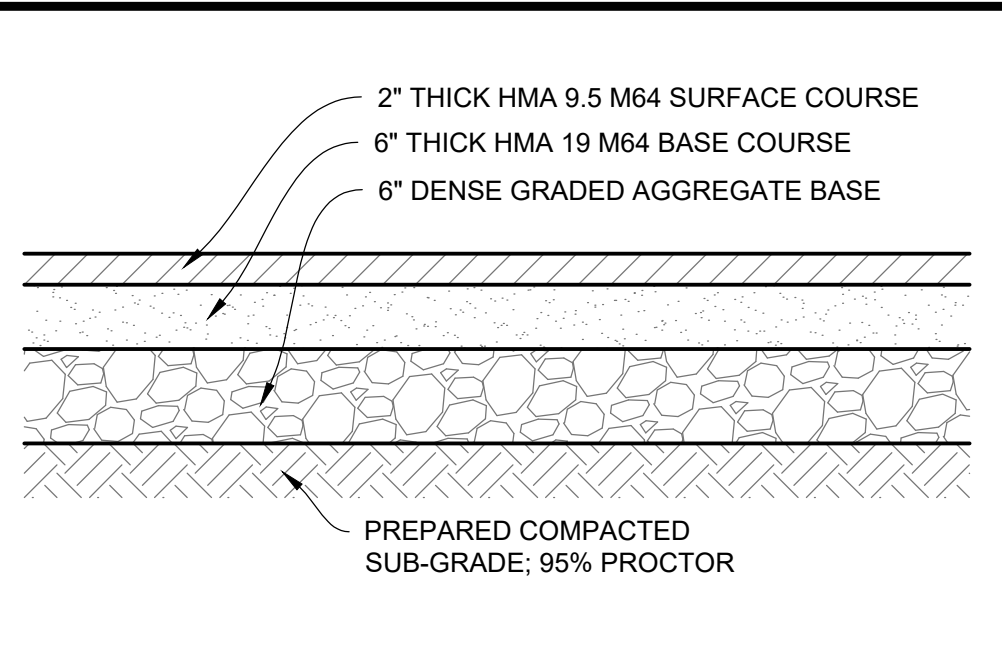
STORM SEWER PROFILES III

KIPP COOPER NORCROSS, INC.
 60 PARK PLACE, SUITE 802
 NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/19/2024	CITY PLANNING BOARD SUBMISSION	EAB

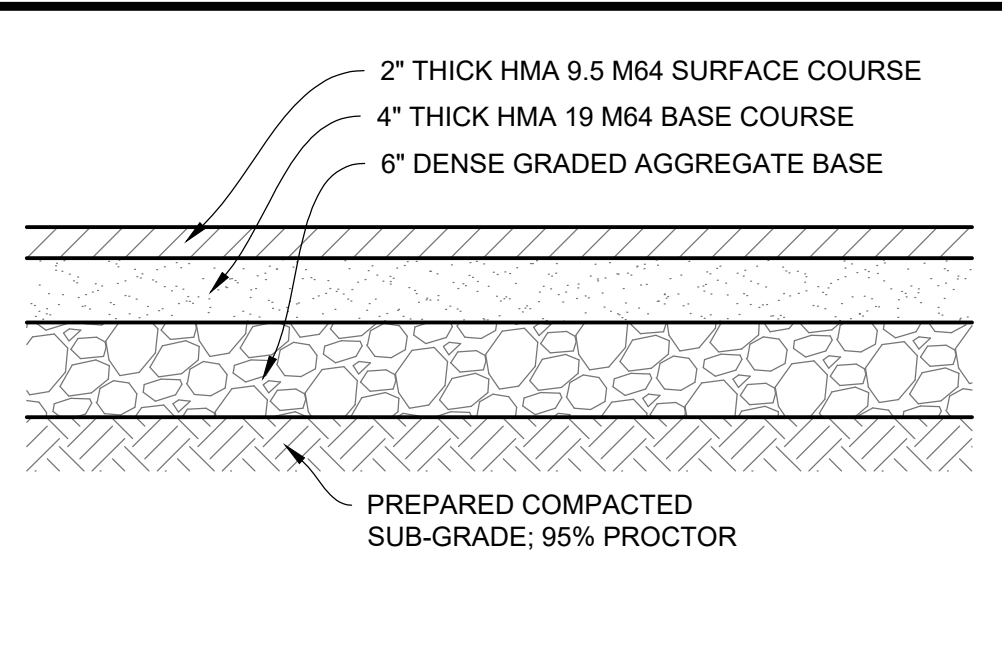
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PROJECT: **KCNAX23001**
 DATE: **MAY 17, 2024**
 DRAWING SCALE: **1"=30'**
 DRAWN BY: **BF**
 APPROVED BY: **JJR**



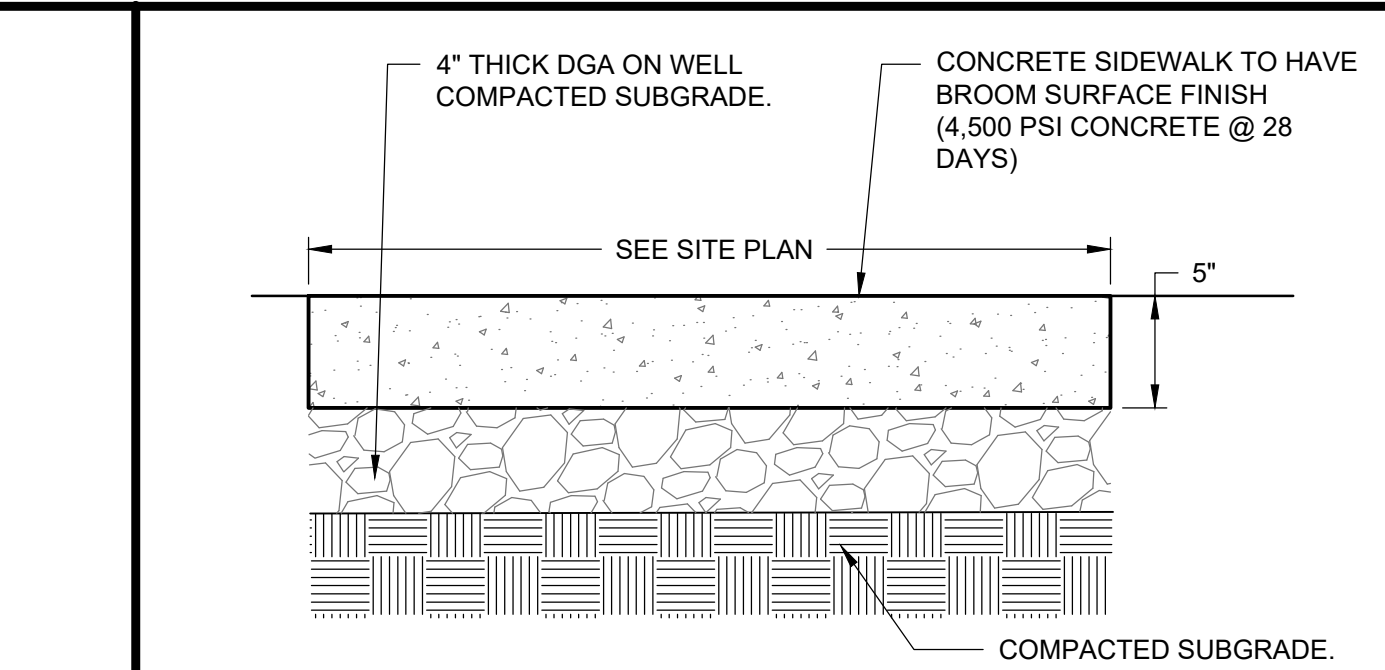
- NOTES:**
- AGGREGATE BASE COURSE TO BE DENSE-GRADED AGGREGATE CONFORMING TO MDOT 90.10, WITH LESS THAN 10 PERCENT FINER THAN THE NO. 200 SIEVE AND ALL FINES TO BE NON-PLASTIC.
 - SUBGRADE TO BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY, AS DETERMINED BY THE MODIFIED PROCTOR TEST, ASTM D 1557, AND SHALL CONSIST OF LOAD-BEARING FILL OR EXISTING STRATUM MATERIALS CAPABLE OF ACHIEVING A CBR VALUE OF 5. THE MOISTURE CONTENT OF THE MATERIAL SHOULD ALSO BE MAINTAINED WITHIN +/- 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
 - SOFT OR UNSTABLE SUBGRADES SHALL BE REMOVED FOR A DEPTH OF NOT LESS THAN SIX INCHES AND A SUBBASE OF DENSE GRADED AGGREGATE SHALL BE INSTALLED.

1 FULL DEPTH PAVEMENT DETAIL (FOR R.O.W.)
NOT TO SCALE



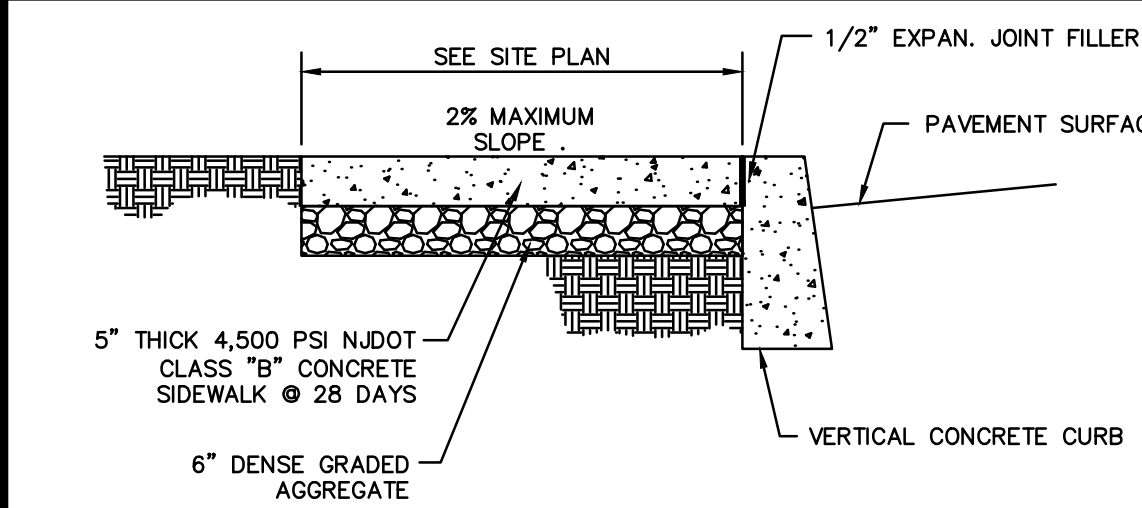
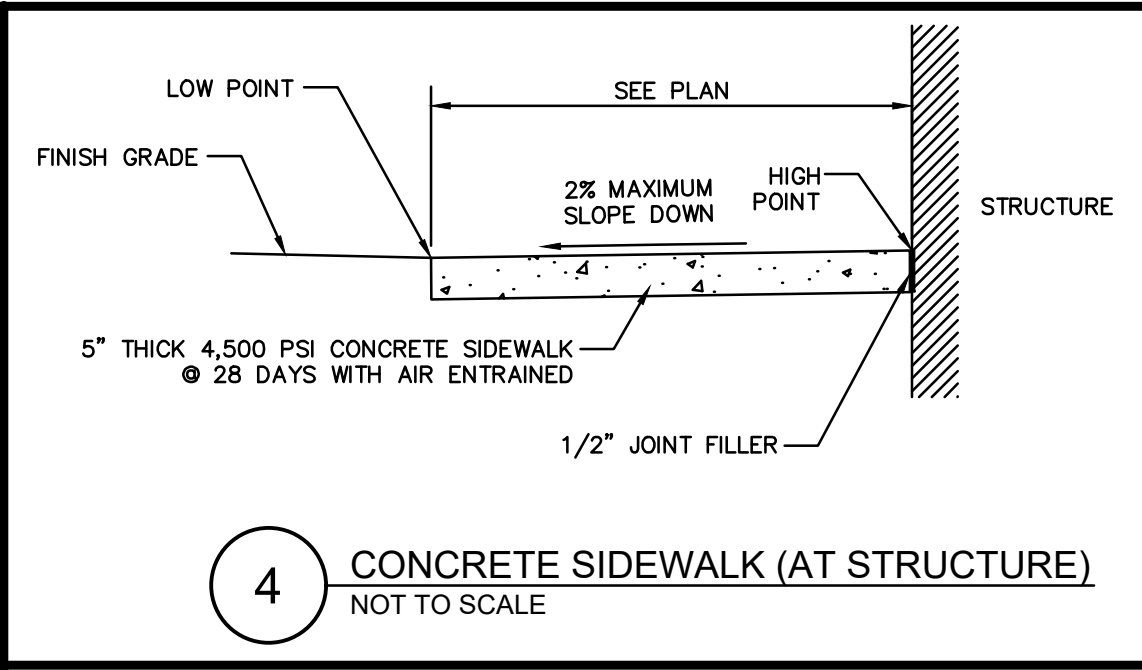
- NOTES:**
- AGGREGATE BASE COURSE TO BE DENSE-GRADED AGGREGATE CONFORMING TO MDOT 90.10, WITH LESS THAN 10 PERCENT FINER THAN THE NO. 200 SIEVE AND ALL FINES TO BE NON-PLASTIC.
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 - SOFT OR UNSTABLE SUBGRADES SHALL BE REMOVED FOR A DEPTH OF NOT LESS THAN SIX INCHES AND A SUBBASE OF DENSE GRADED AGGREGATE SHALL BE INSTALLED.

2 FULL DEPTH PAVEMENT DETAIL (PARKING LOT)
NOT TO SCALE

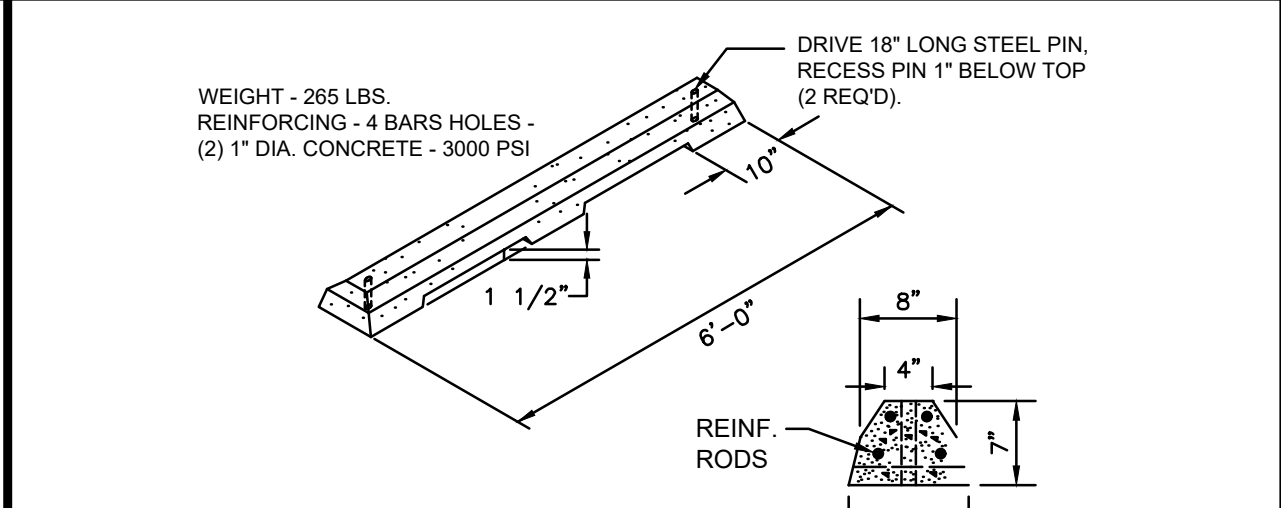
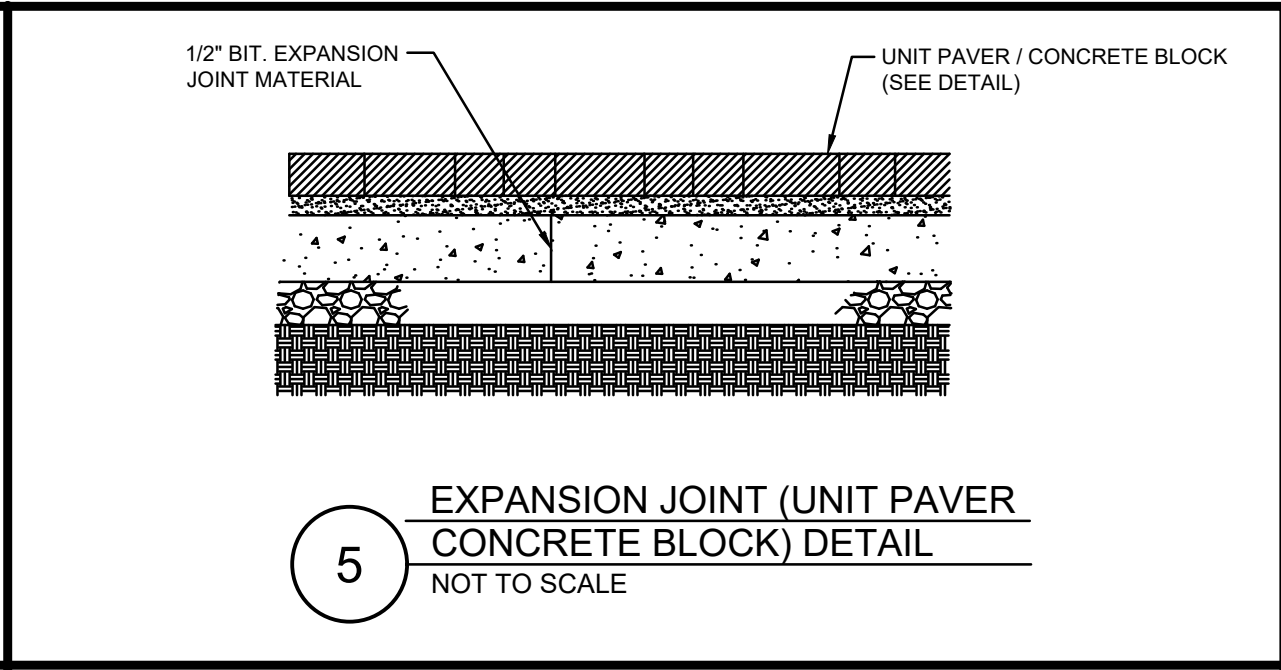


- CONCRETE NOTE:**
- PRE MOLDED BITUMINOUS EXPANSION JOINT MATERIAL (OR EQUAL) SHALL BE INSTALLED EVERY TWENTY (20) FEET AND CONTRACTION JOINTS INSTALLED EVERY FOUR (4) FEET.
 - BROOM FINISH ALL CONCRETE SIDEWALK AND REINFORCED CONCRETE SURFACES PERPENDICULAR TO THE DIRECTION OF TRAFFIC TO CREATE A SKID RESISTANT SURFACE.
 - ALL CONSTRUCTION TO COMPLY WITH BARRIER FREE CODE REQUIREMENTS, SHOULD CONDITIONS NOT PERMIT COMPLIANCE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

3 CONCRETE SIDEWALK DETAIL
NOT TO SCALE



4 CONCRETE SIDEWALK (AT STRUCTURE)
NOT TO SCALE

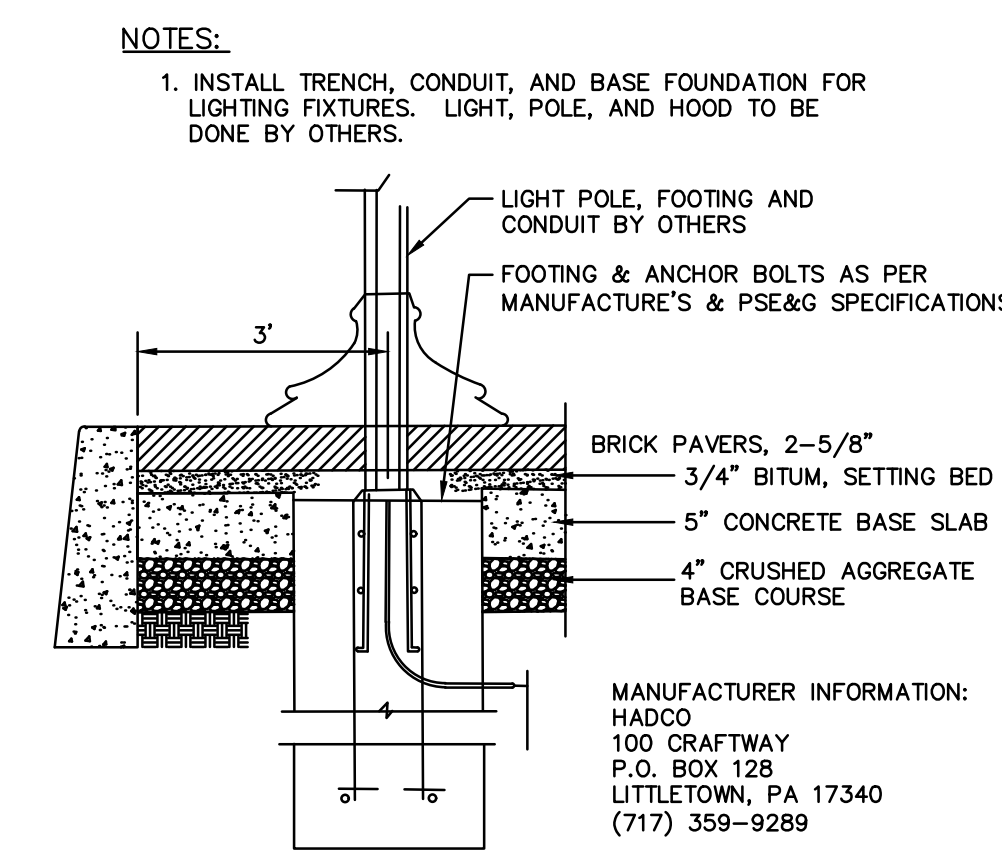


6 SIDE WALK & VERTICAL CONCRETE CURB
NOT TO SCALE

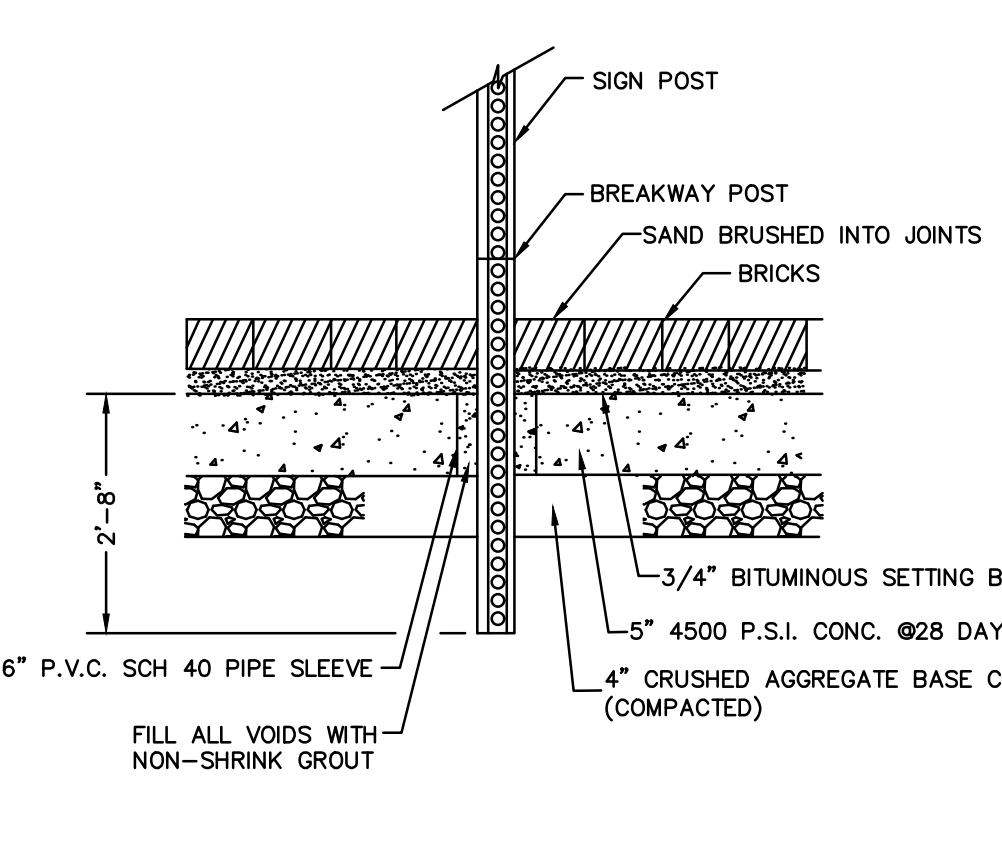
Pennoni
PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
NJ COA NO. G428033300

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. G6043788
11/15/24

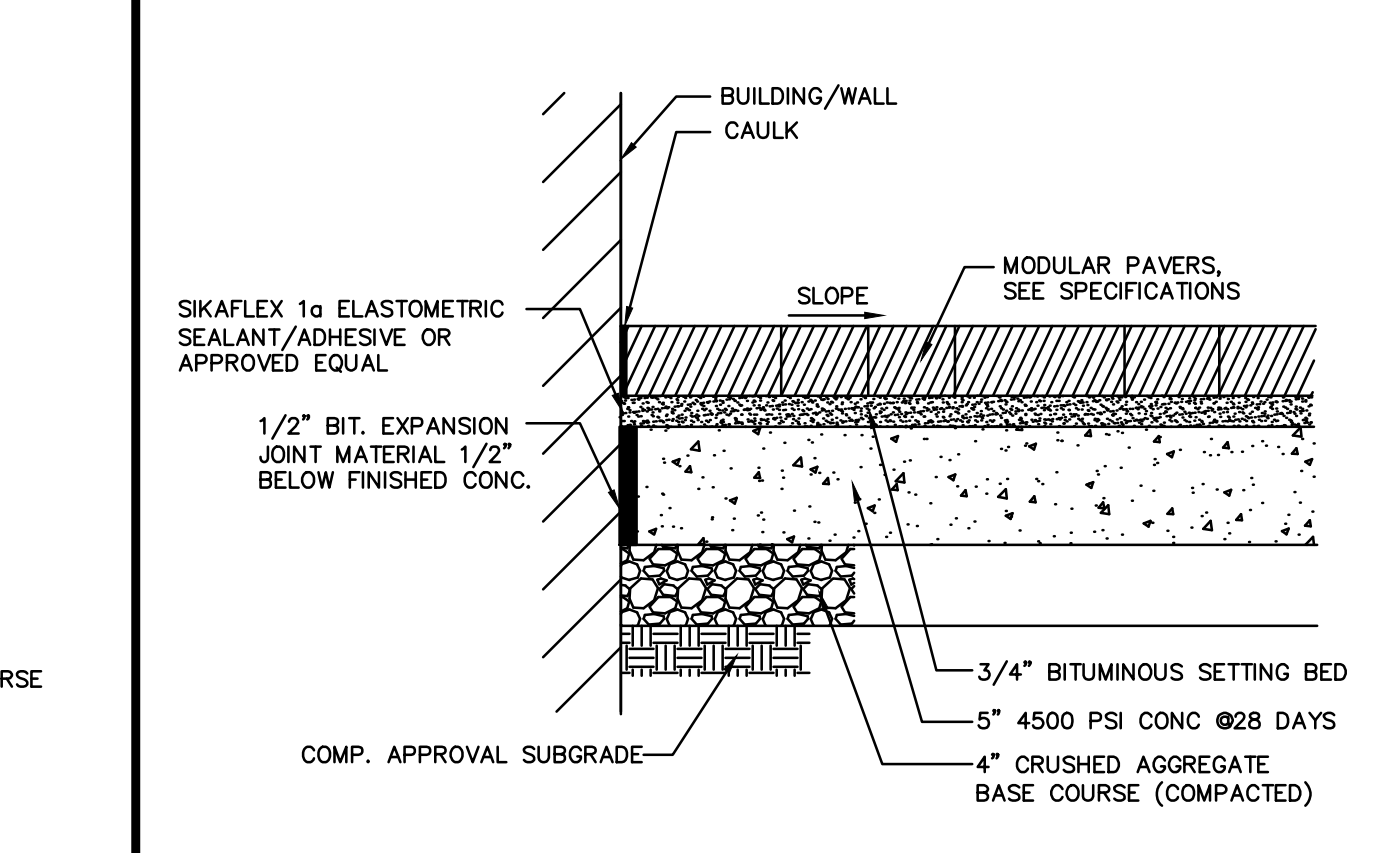
ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
NU CERTIFICATE OF AUTHORIZATION NO. G428033300



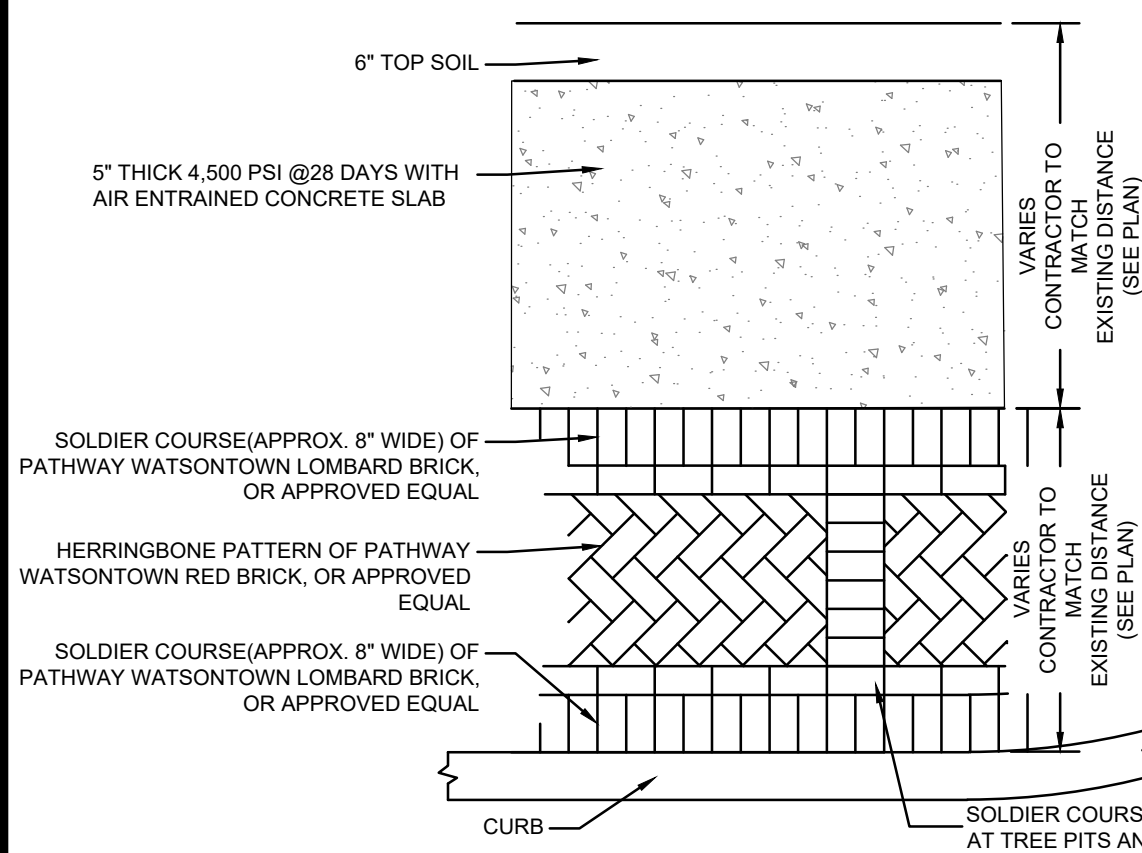
8 EDGES AT LIGHT FIXTURES DETAIL
NOT TO SCALE



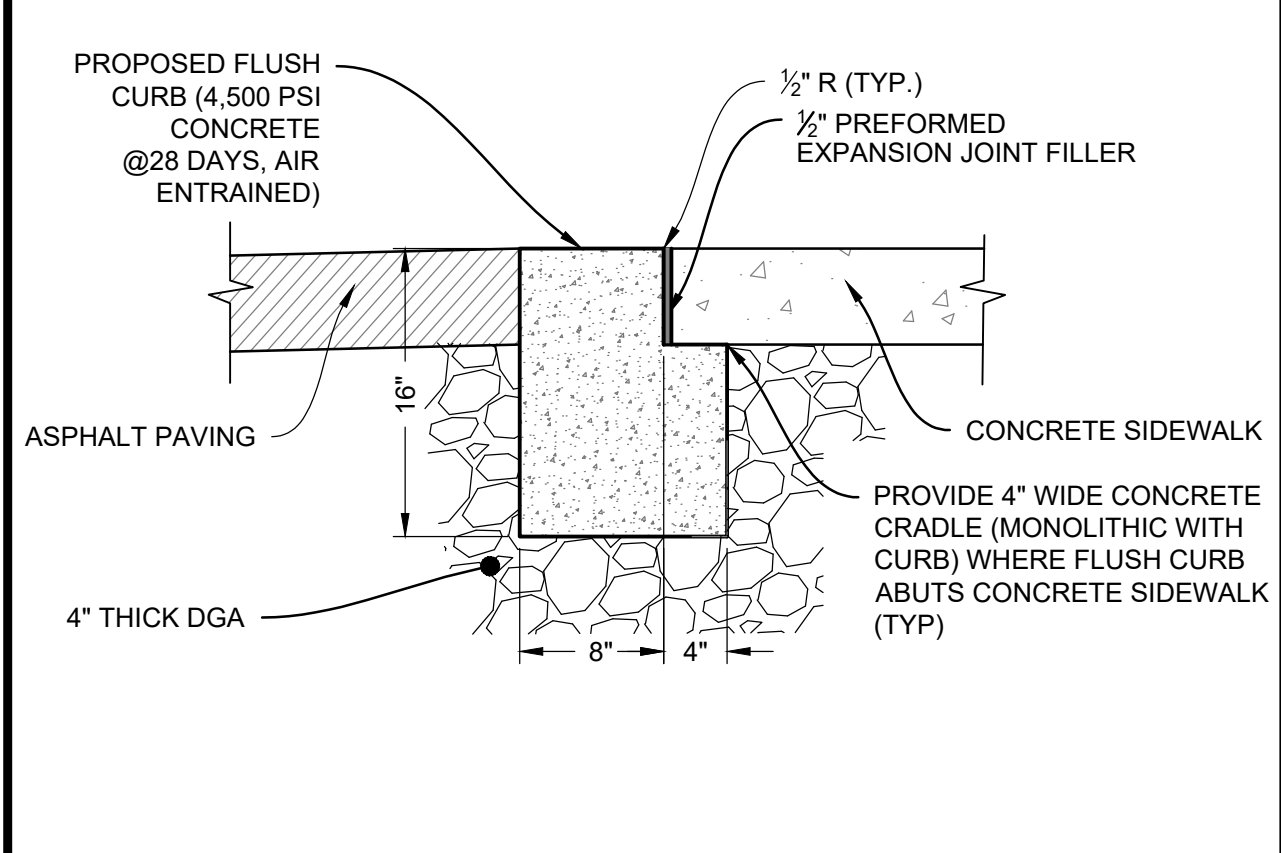
9 SIGN THROUGH SIDEWALK DETAIL
NOT TO SCALE



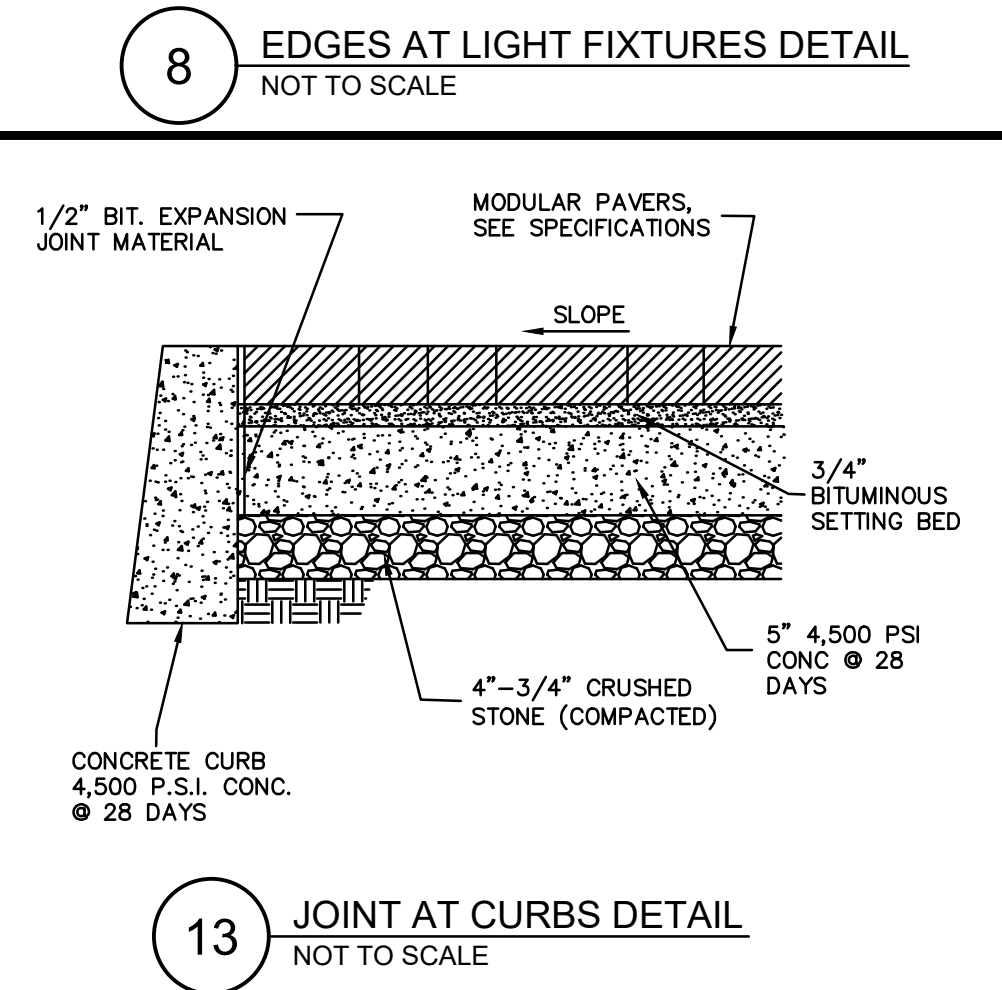
10 JOINT AT BUILDING/FOUNDATION & WALL DETAIL
NOT TO SCALE



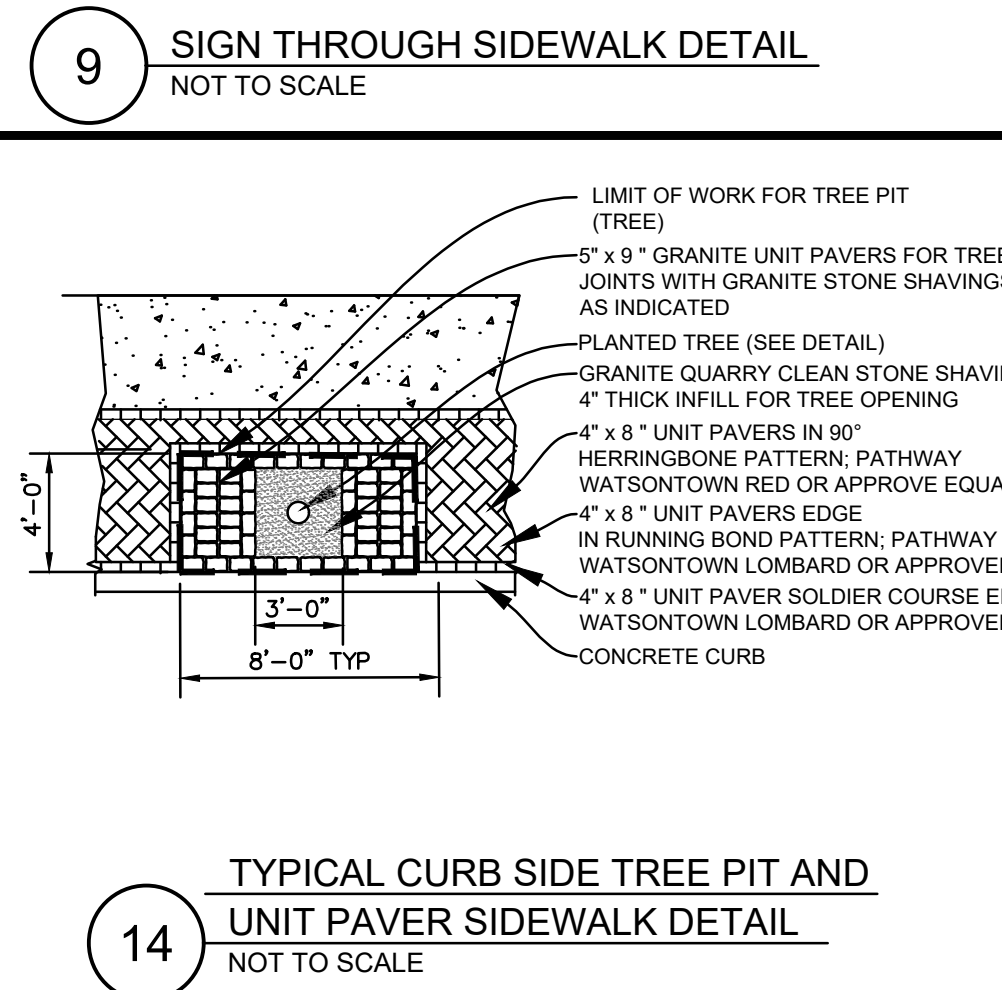
11 STANDARD BRICK PAVING PATTERN
NOT TO SCALE



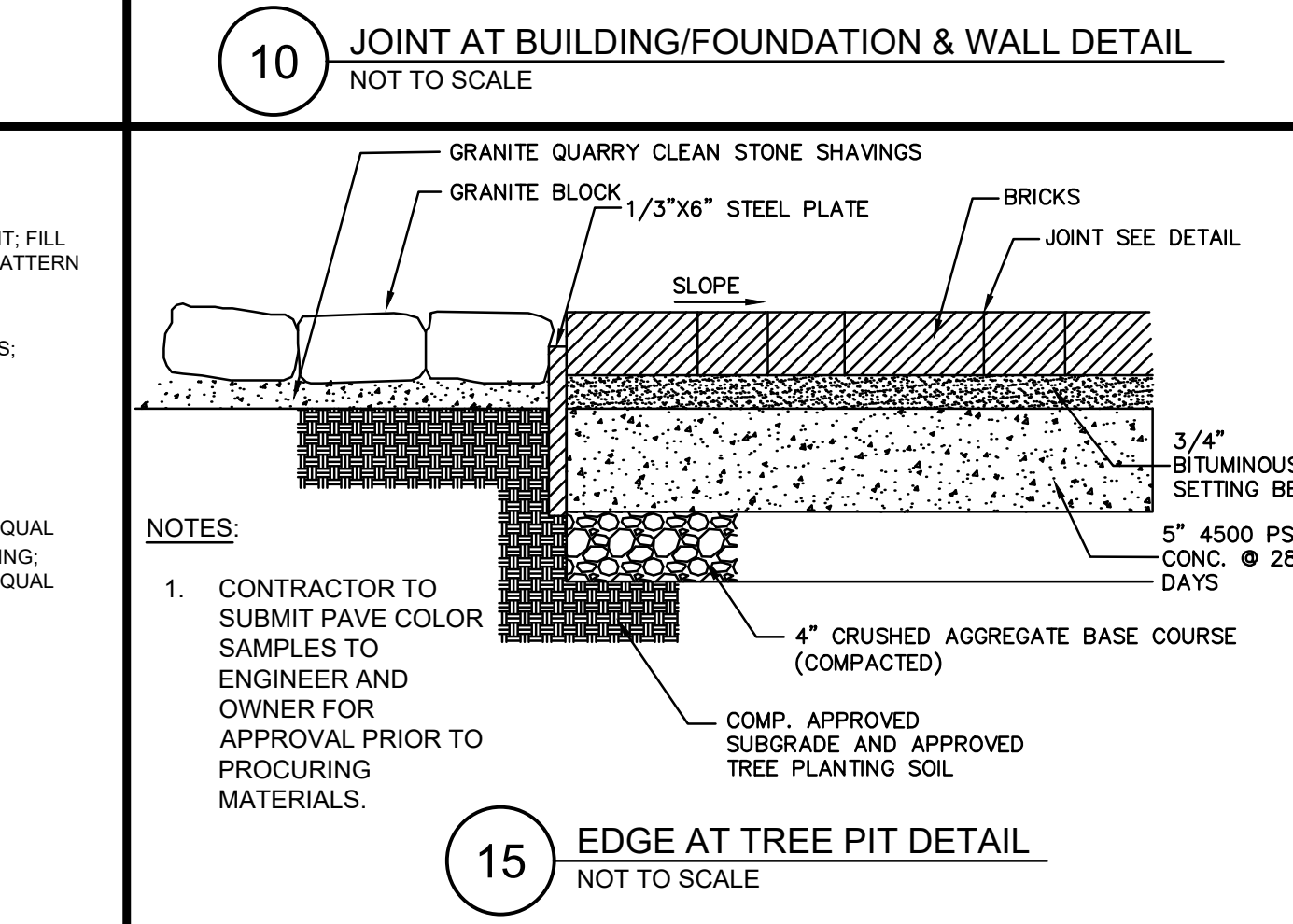
12 FLUSH CONCRETE CURB DETAIL (AT ADA CURB RAMPS)
NOT TO SCALE



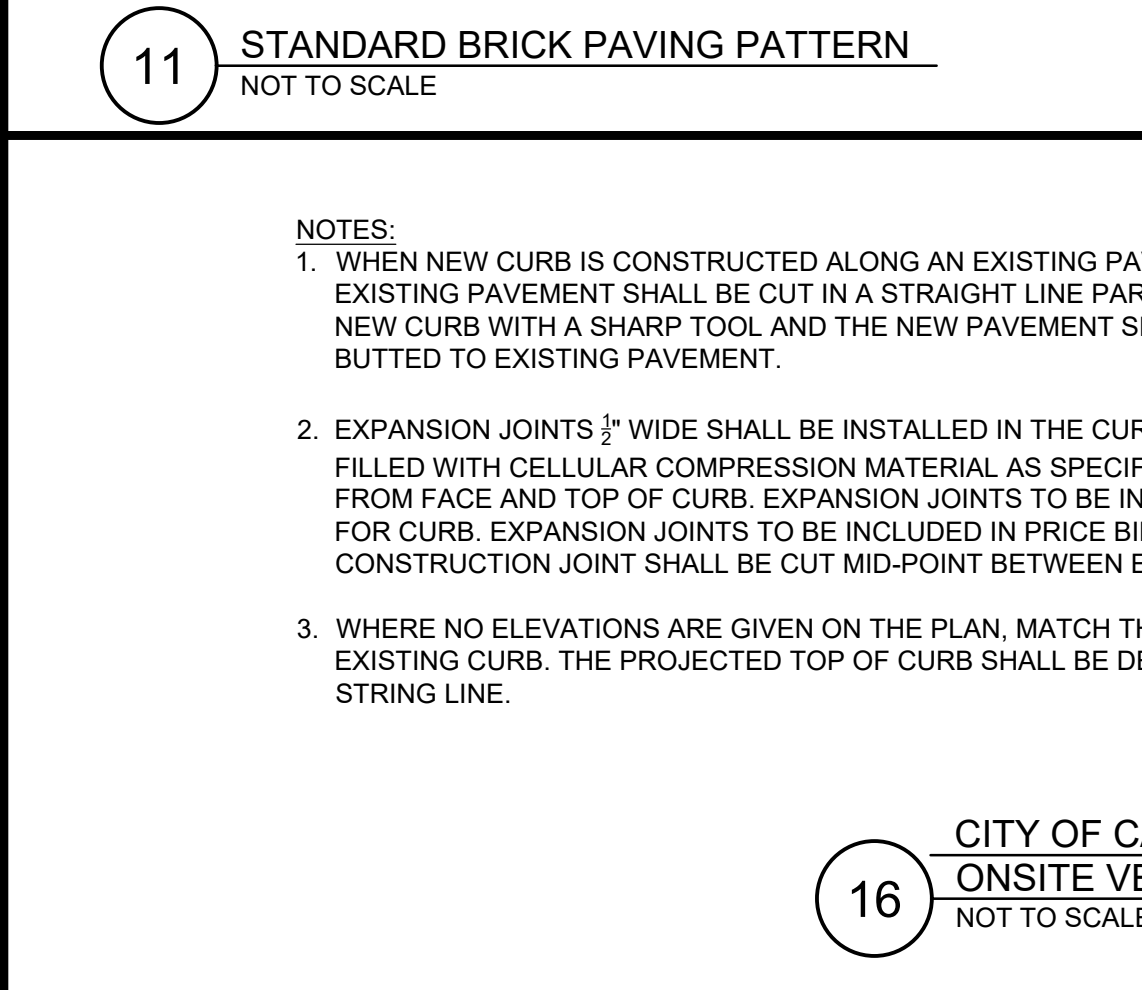
13 JOINT AT CURBS DETAIL
NOT TO SCALE



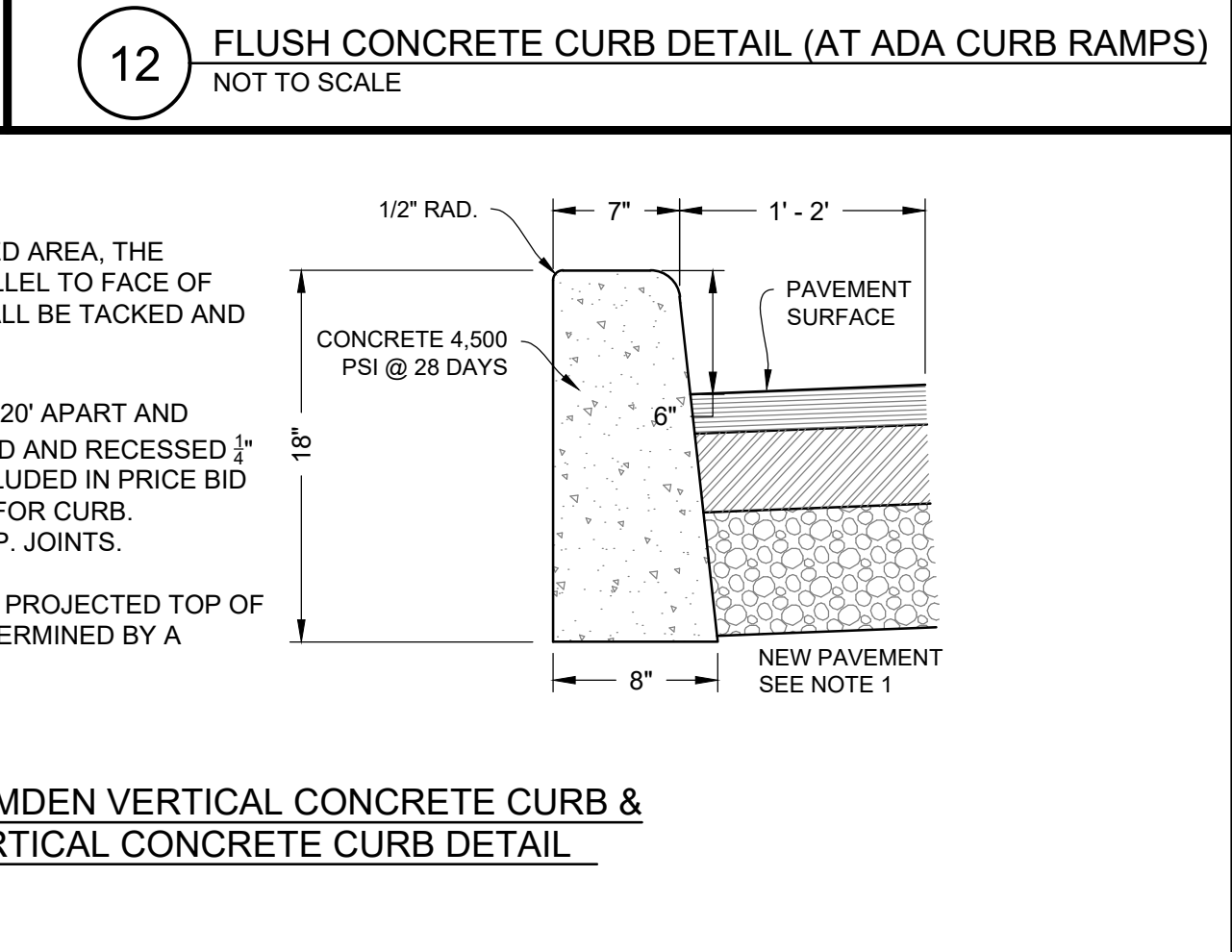
14 TYPICAL CURB SIDE TREE PIT AND UNIT PAVER SIDEWALK DETAIL
NOT TO SCALE



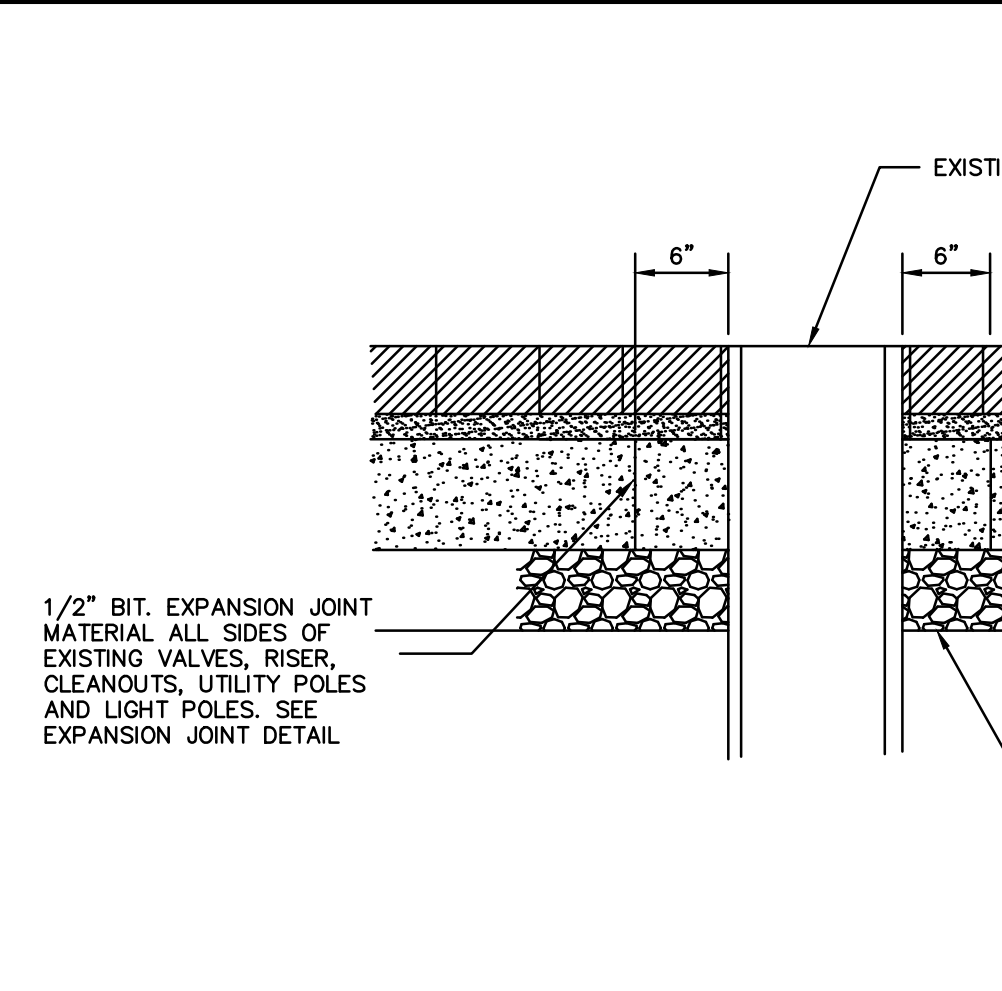
15 EDGE AT TREE PIT DETAIL
NOT TO SCALE



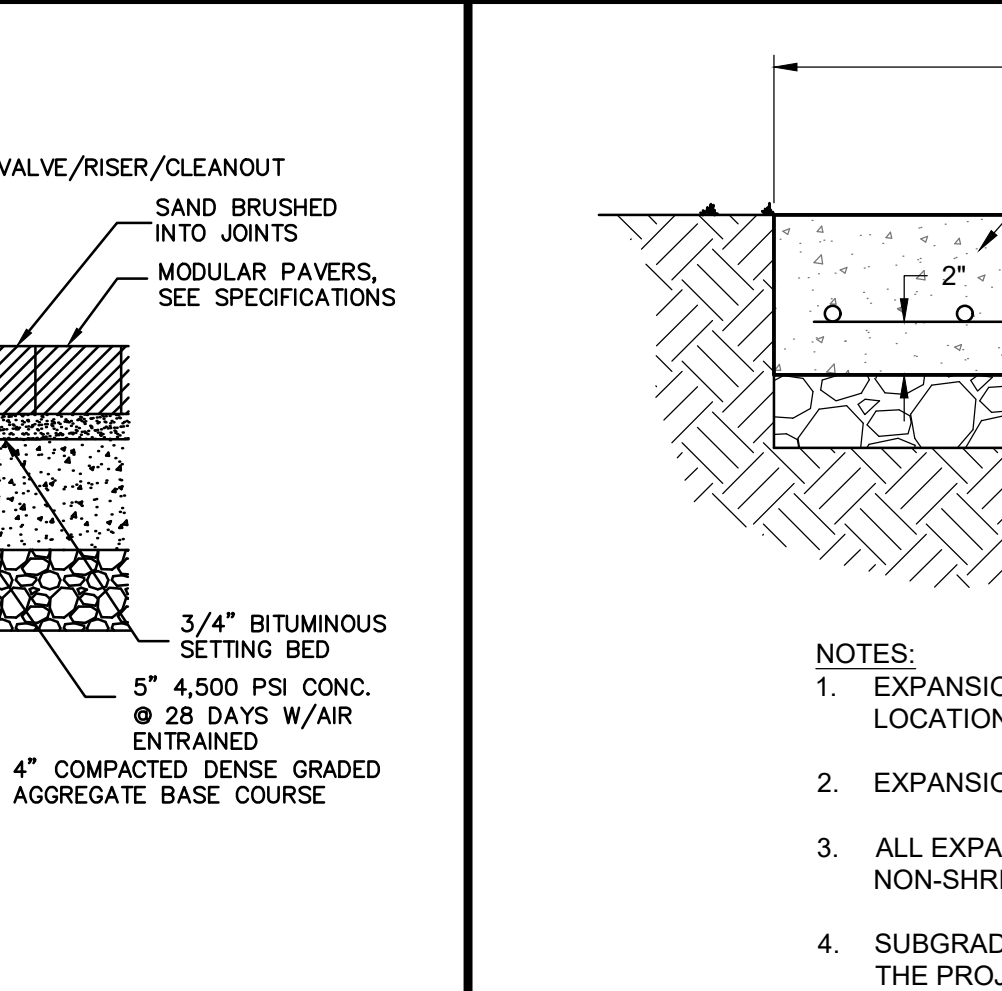
16 CITY OF CAMDEN VERTICAL CONCRETE CURB & ONSITE VERTICAL CONCRETE CURB DETAIL
NOT TO SCALE



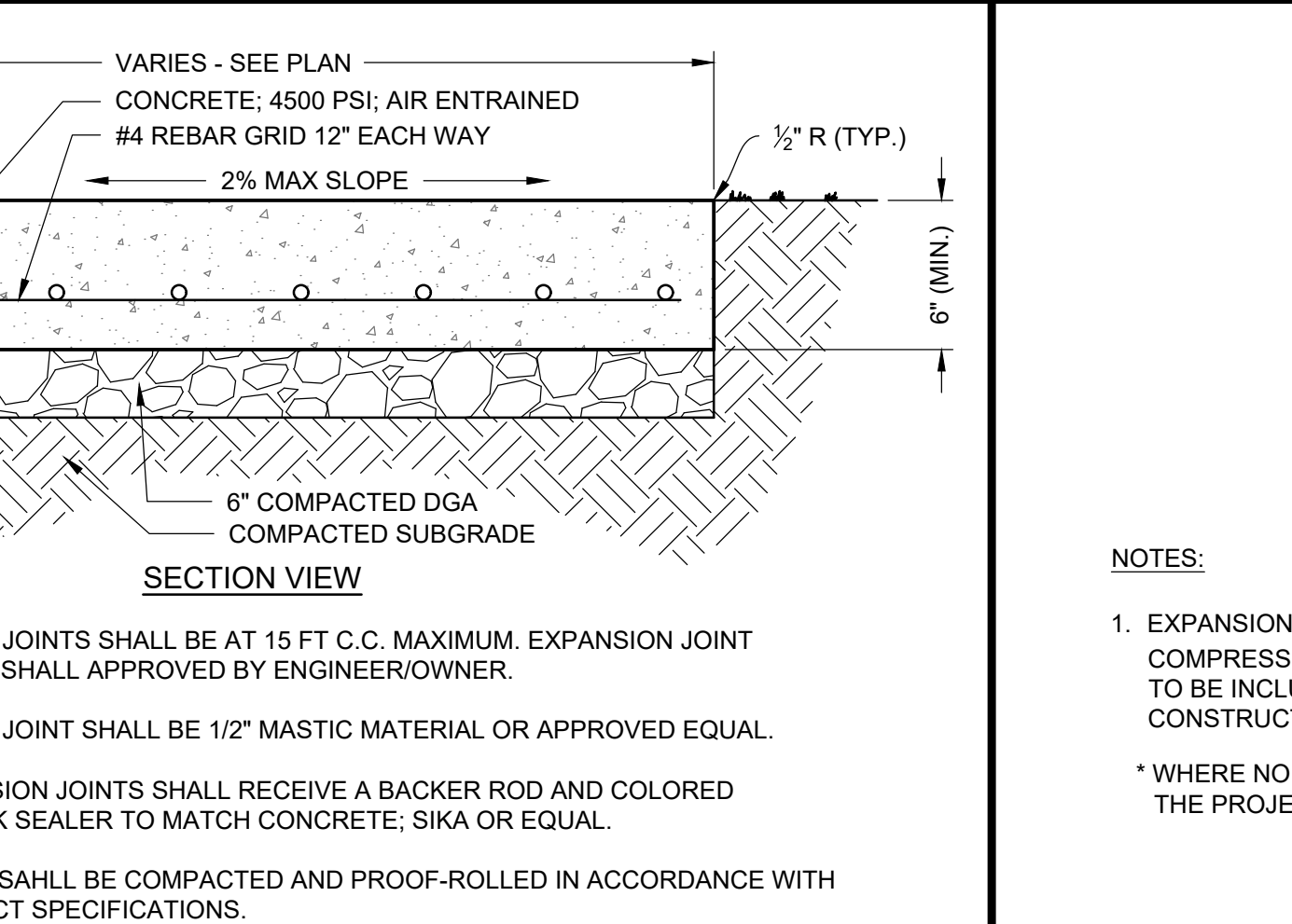
17 VALVE/RISER/CLEANOUT THROUGH BRICK SIDEWALK DETAIL
NOT TO SCALE



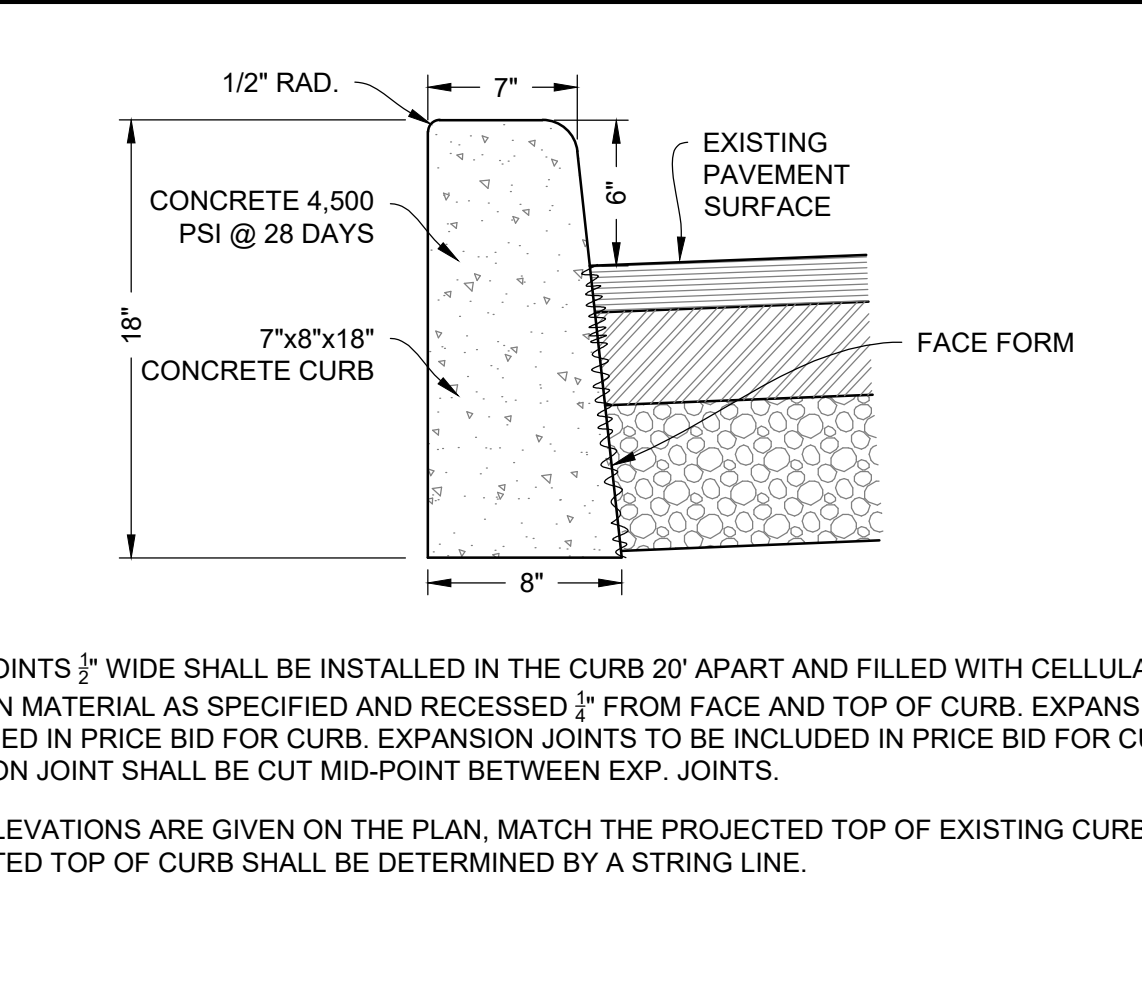
18 REINF. CONC. PAD (DRIVEWAY APRON)
NOT TO SCALE



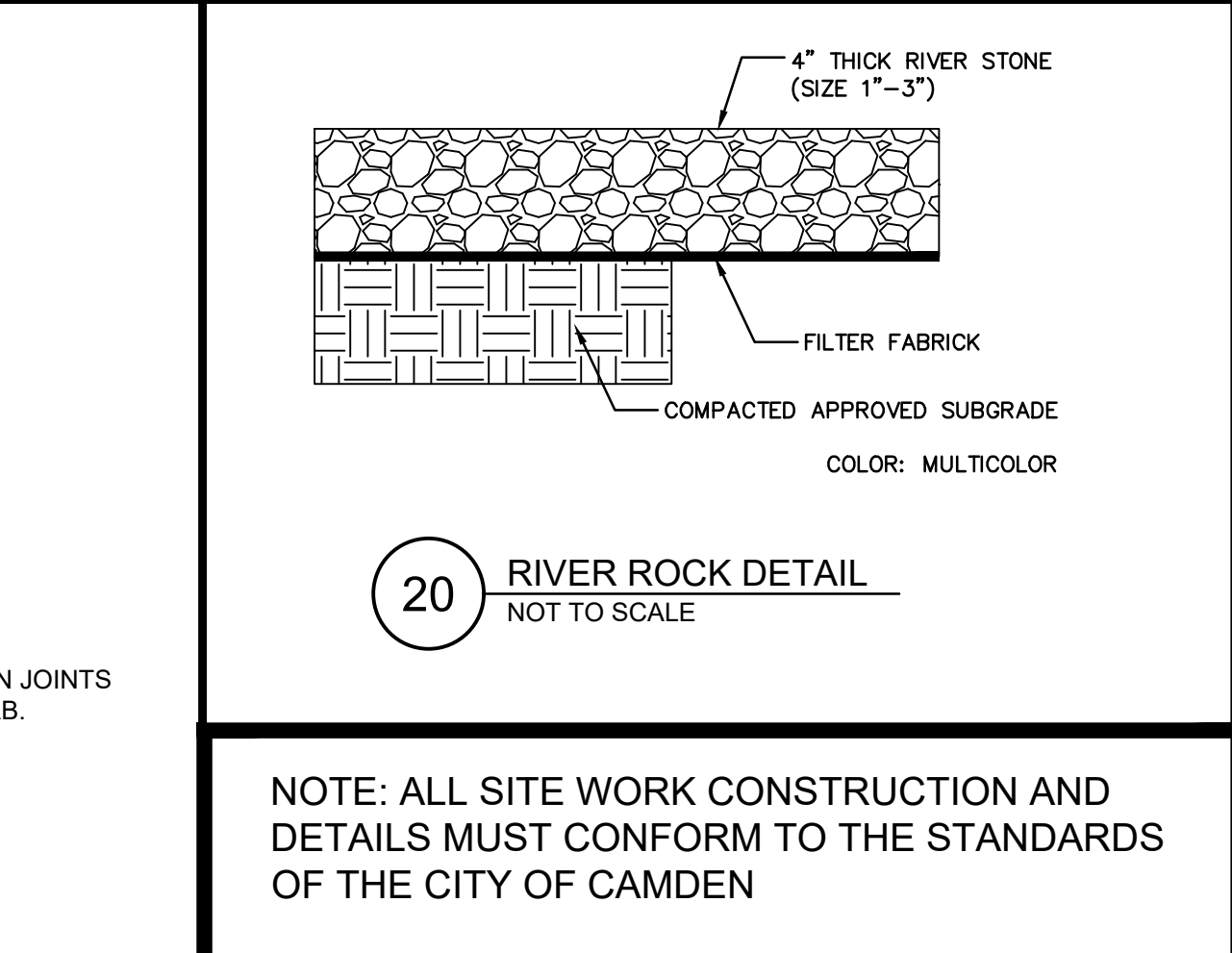
19 CITY OF CAMDEN VERTICAL CONCRETE CURB REPLACEMENT (FACE FORM) DETAIL
NOT TO SCALE



20 RIVER ROCK DETAIL
NOT TO SCALE



21 EXPANSION JOINTS
NOT TO SCALE



NOT FOR CONSTRUCTION

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

CONSTRUCTION DETAILS I

KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

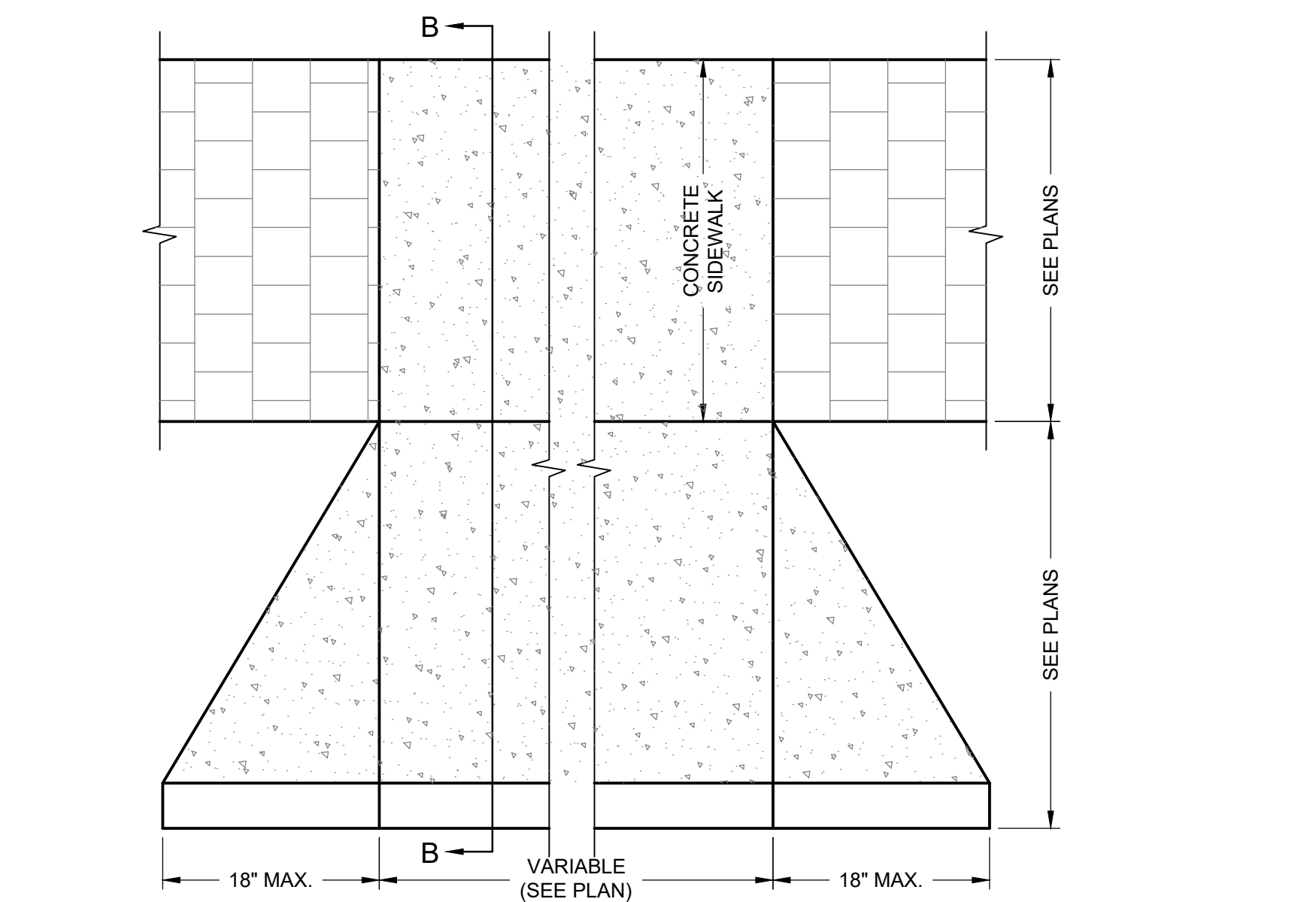
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO PENNONI ASSOCIATES, AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

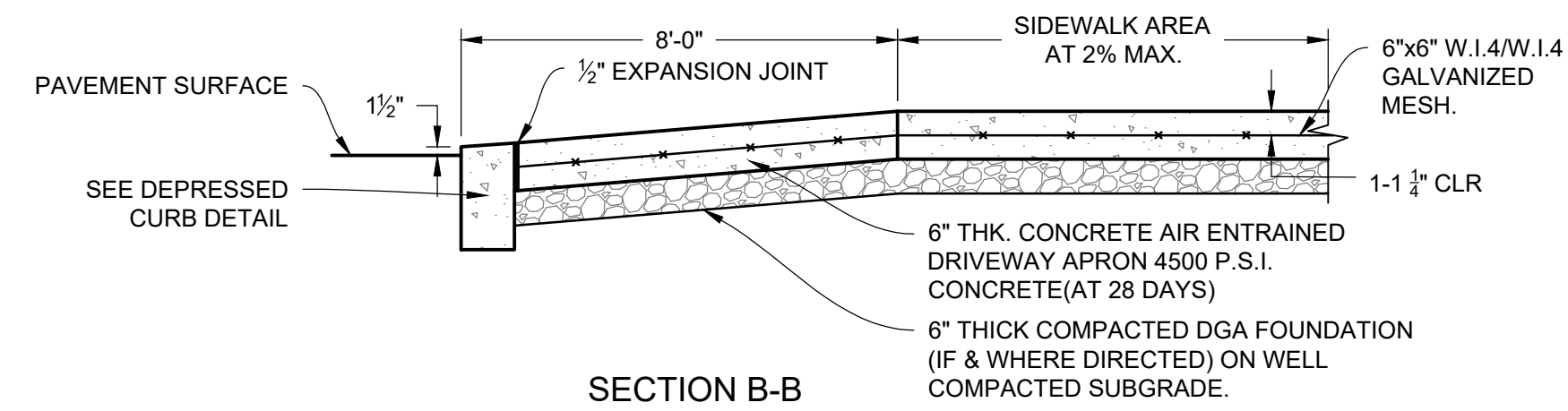
PROJECT: **KCNAX23001**
DATE: **MAY 17, 2024**
DRAWING SCALE: **N.T.S.**
DRAWN BY: **BF**
APPROVED BY: **JJR**

CS6001
SHEET **20** OF **39**

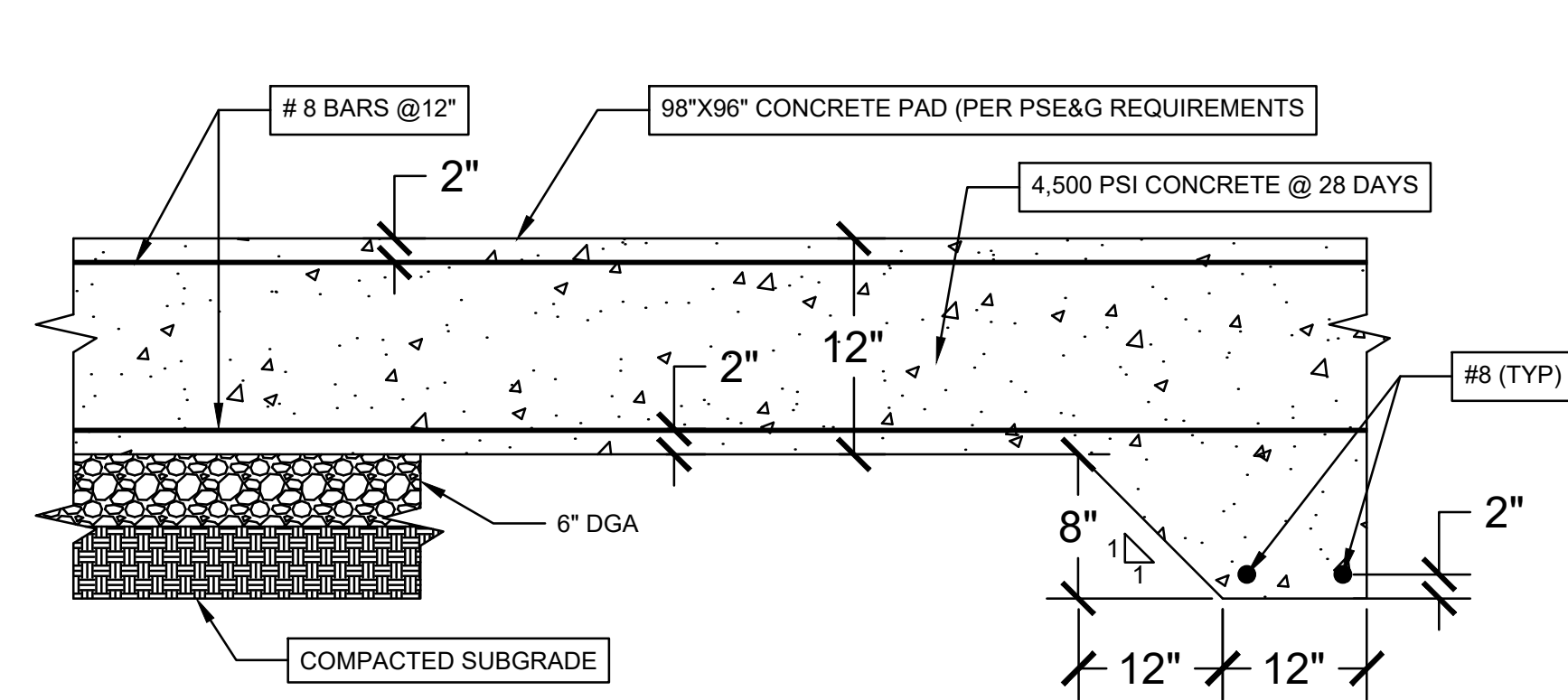
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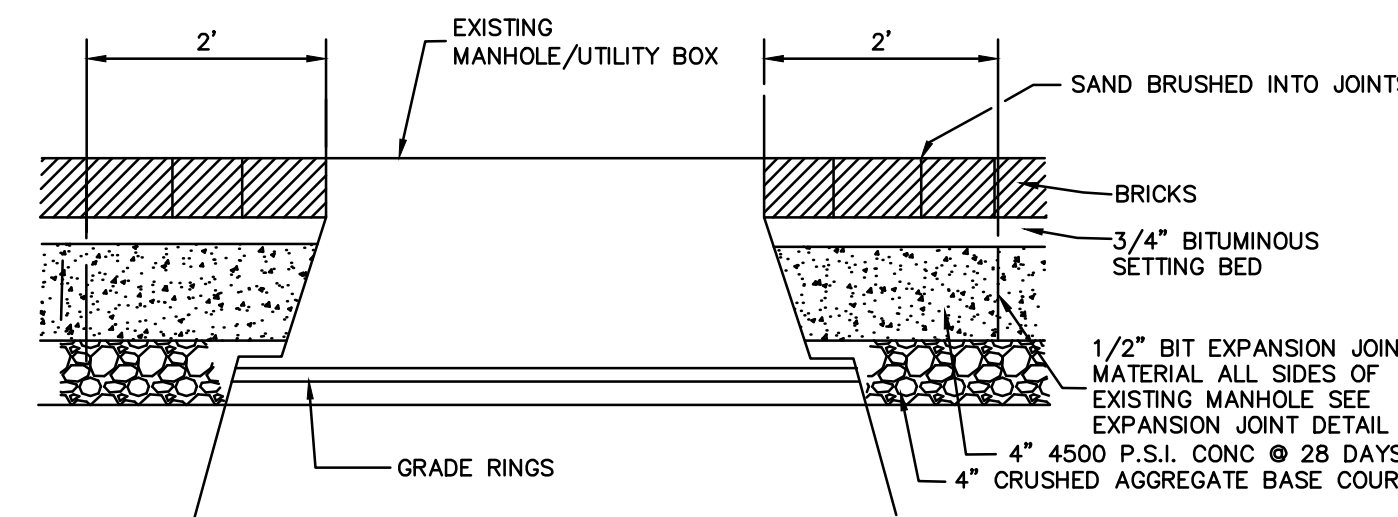
1 CITY OF CAMDEN DRIVEWAY APRON DETAIL
NOT TO SCALE



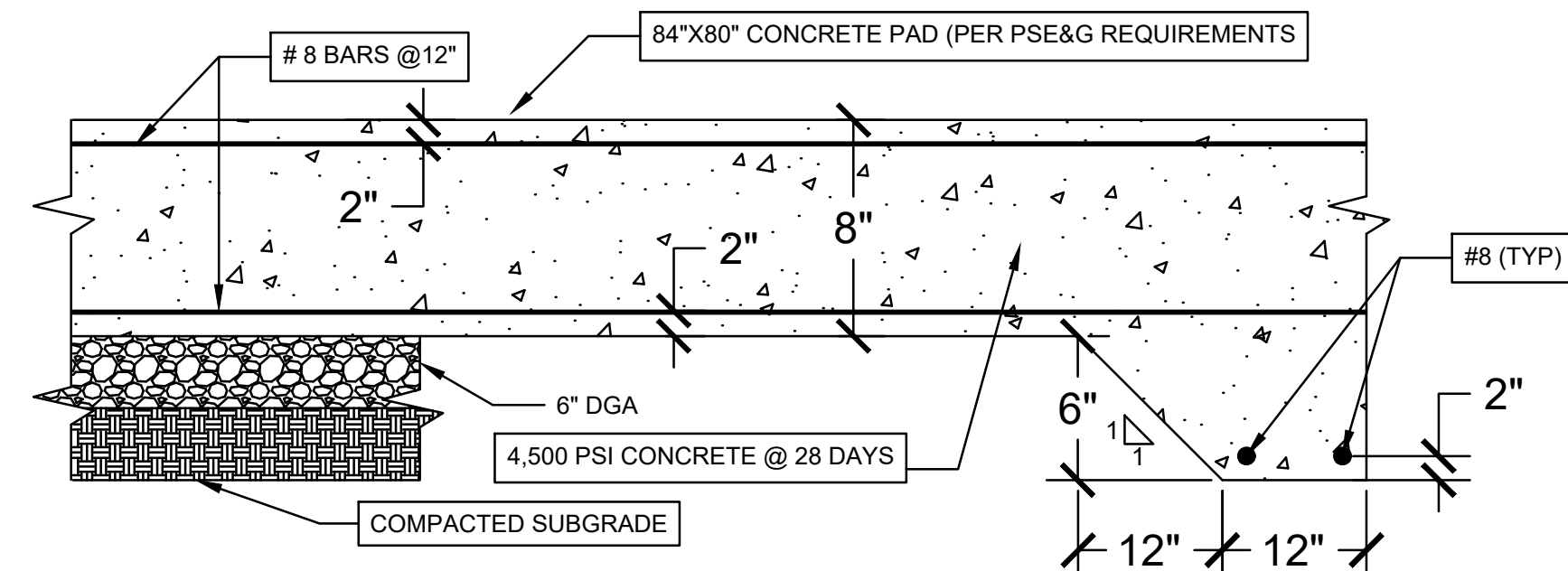
2 UTILITY POLE THROUGH SIDEWALK DETAIL
NOT TO SCALE



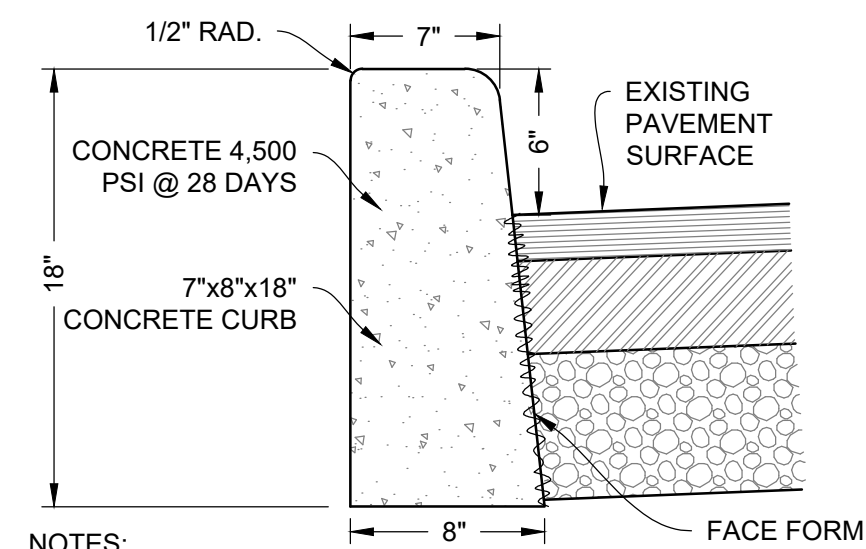
3 CONCRETE PAD FOR TRANSFORMER
NOT TO SCALE



4 MANHOLE UTILITY BOX THROUGH SIDEWALK DETAIL
NOT TO SCALE

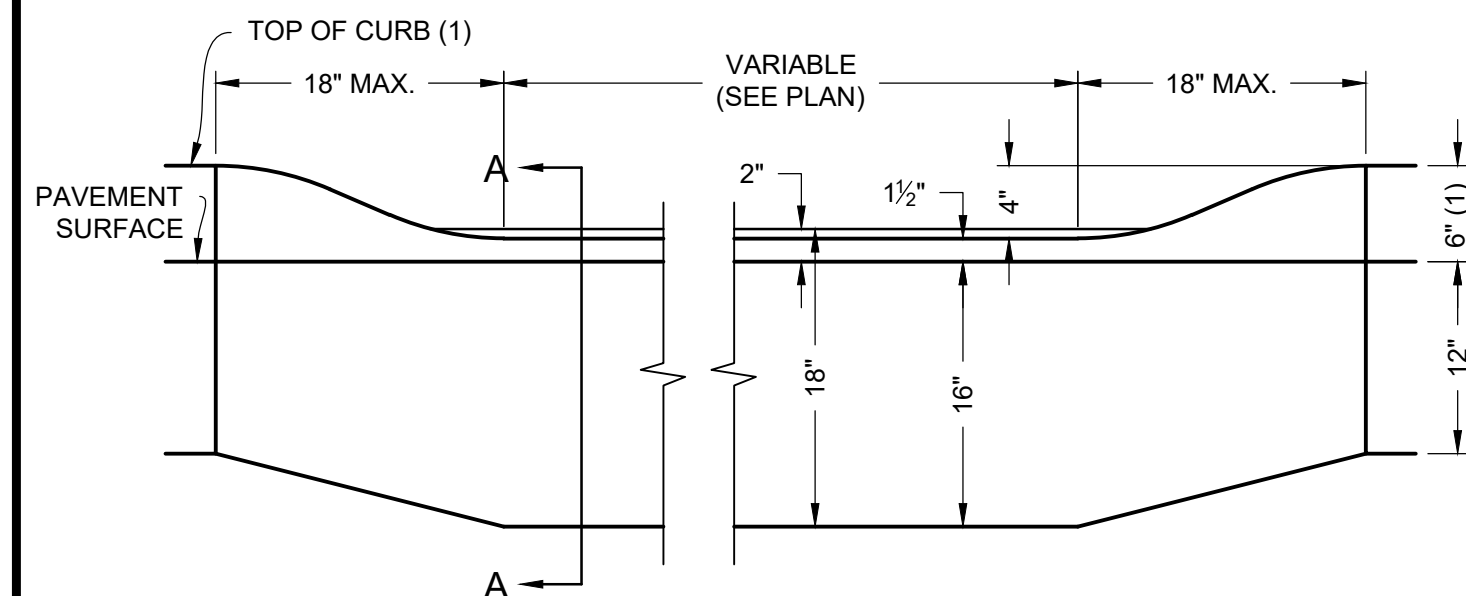


5 CONCRETE PAD FOR EQUIPMENT PAD AND DUMPSTER
NOT TO SCALE



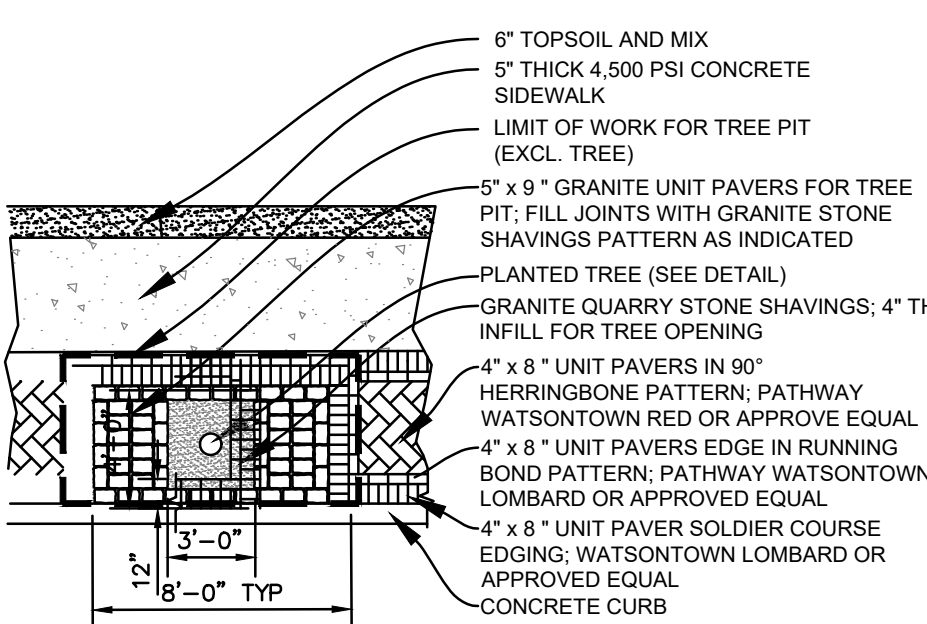
- NOTES:
- WHEN NEW CURB IS CONSTRUCTED ALONG AN EXISTING PAVED AREA, THE EXISTING PAVEMENT SHALL BE CUT IN A STRAIGHT LINE PARALLEL TO FACE OF NEW CURB WITH A SHARP TOOL AND THE NEW PAVEMENT SHALL BE TACKED AND BUTTED TO EXISTING PAVEMENT.
 - EXPANSION JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20' APART AND FILLED WITH CELLULAR COMPRESSION MATERIAL AS SPECIFIED AND RECESSED 3/8" FROM FACE AND TOP OF CURB. EXPANSION JOINTS TO BE INCLUDED IN PRICE BID FOR CURB. EXPANSION JOINTS TO BE INCLUDED IN PRICE BID FOR CURB. CONSTRUCTION JOINT SHALL BE CUT MID-POINT BETWEEN EXP. JOINTS.
 - WHERE NO ELEVATIONS ARE GIVEN ON THE PLAN, MATCH THE PROJECTED TOP OF EXISTING CURB. THE PROJECTED TOP OF CURB SHALL BE DETERMINED BY A STRING LINE.

6 CITY OF CAMDEN VERTICAL CONCRETE CURB REPLACEMENT DETAIL
NOT TO SCALE



7 CITY OF CAMDEN DEPRESSED DRIVEWAY CURB DETAIL
NOT TO SCALE

- NOTES:
- WHERE NO ELEVATIONS ARE GIVEN ON THE PLAN, MATCH THE PROJECTED TOP OF CURB OR EXISTING CURB. THE PROJECTED TOP OF CURB SHALL BE THAT DETERMINED BY A STRING LINE.



8 UNIT PAVER SIDEWALK DETAIL
NOT TO SCALE

DETECTABLE WARNING SURFACE CD-607-1.1

CURB RAMP TYPE 1 (CROSSING PARALLEL TO HIGHWAY ONLY)

W	H	X1	X2	L1	L2
2.5	3	2.5	3	3	3
4	3.5	3.5	3.5	3.5	3.5
6	4.2	4.2	4.2	4.2	4.2
7	5.8	5.8	5.8	5.8	5.8
8	7.4	7.4	7.4	7.4	7.4
9	9.0	9.0	9.0	9.0	9.0

CURB RAMP TYPE 2 (GRASS BUFFER STRIP)

W	H	X1	X2	L1	L2
2.5	3	3	3	3	3
4	3.5	3.5	3.5	3.5	3.5
6	4.2	4.2	4.2	4.2	4.2
7	5.8	5.8	5.8	5.8	5.8
8	7.4	7.4	7.4	7.4	7.4
9	9.0	9.0	9.0	9.0	9.0

CURB RAMP TYPE 3 (LANDING AREA REQUIRED)

W	H	X1	X2	L1	L2
2.5	3	3	3	3	3
4	3.5	3.5	3.5	3.5	3.5
6	4.2	4.2	4.2	4.2	4.2
7	5.8	5.8	5.8	5.8	5.8
8	7.4	7.4	7.4	7.4	7.4
9	9.0	9.0	9.0	9.0	9.0

CURB RAMP TYPE 4 (GRASS BUFFER STRIP WITH LANDING AREA REQUIRED)

W	H	X1	X2	L1	L2
2.5	3	3	3	3	3
4	3.5	3.5	3.5	3.5	3.5
6	4.2	4.2	4.2	4.2	4.2
7	5.8	5.8	5.8	5.8	5.8
8	7.4	7.4	7.4	7.4	7.4
9	9.0	9.0	9.0	9.0	9.0

CURB RAMP TYPE 5 (CROSSING PARALLEL TO HIGHWAY ONLY)

W	H	X1	X2	L1	L2
2.5	3	3	3	3	3
4	3.5	3.5	3.5	3.5	3.5
6	4.2	4.2	4.2	4.2	4.2
7	5.8	5.8	5.8	5.8	5.8
8	7.4	7.4	7.4	7.4	7.4
9	9.0	9.0	9.0	9.0	9.0

CURB RAMP TYPE 6 (CROSSING PARALLEL TO HIGHWAY ONLY)

W	H	X1	X2	L1	L2
2.5	3	3	3	3	3
4	3.5	3.5	3.5	3.5	3.5
6	4.2	4.2	4.2	4.2	4.2
7	5.8	5.8	5.8	5.8	5.8
8	7.4	7.4	7.4	7.4	7.4
9	9.0	9.0	9.0	9.0	9.0

CURB RAMP TYPE 7 (SEE NOTE 7)

W	H	X1	X2	L1	L2
4	4	4	4	4	4
6	6	6	6	6	6
8	8	8	8	8	8
10	10	10	10	10	10

ISLAND WALKWAY OPENING AT INTERSECTIONS

PUBLIC SIDEWALK CURB RAMP DETECTABLE WARNING SURFACE CD-607-1.2

CONSTRUCTION DETAILS

9 CURB RAMP DETAILS
NOT TO SCALE

NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN

NOT FOR CONSTRUCTION

Pennoni

PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
NJ COA NO. CA28033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

CONSTRUCTION DETAILS II

KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788

11/15/24

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

PROJECT: KCNA23001

DATE: MAY 17, 2024

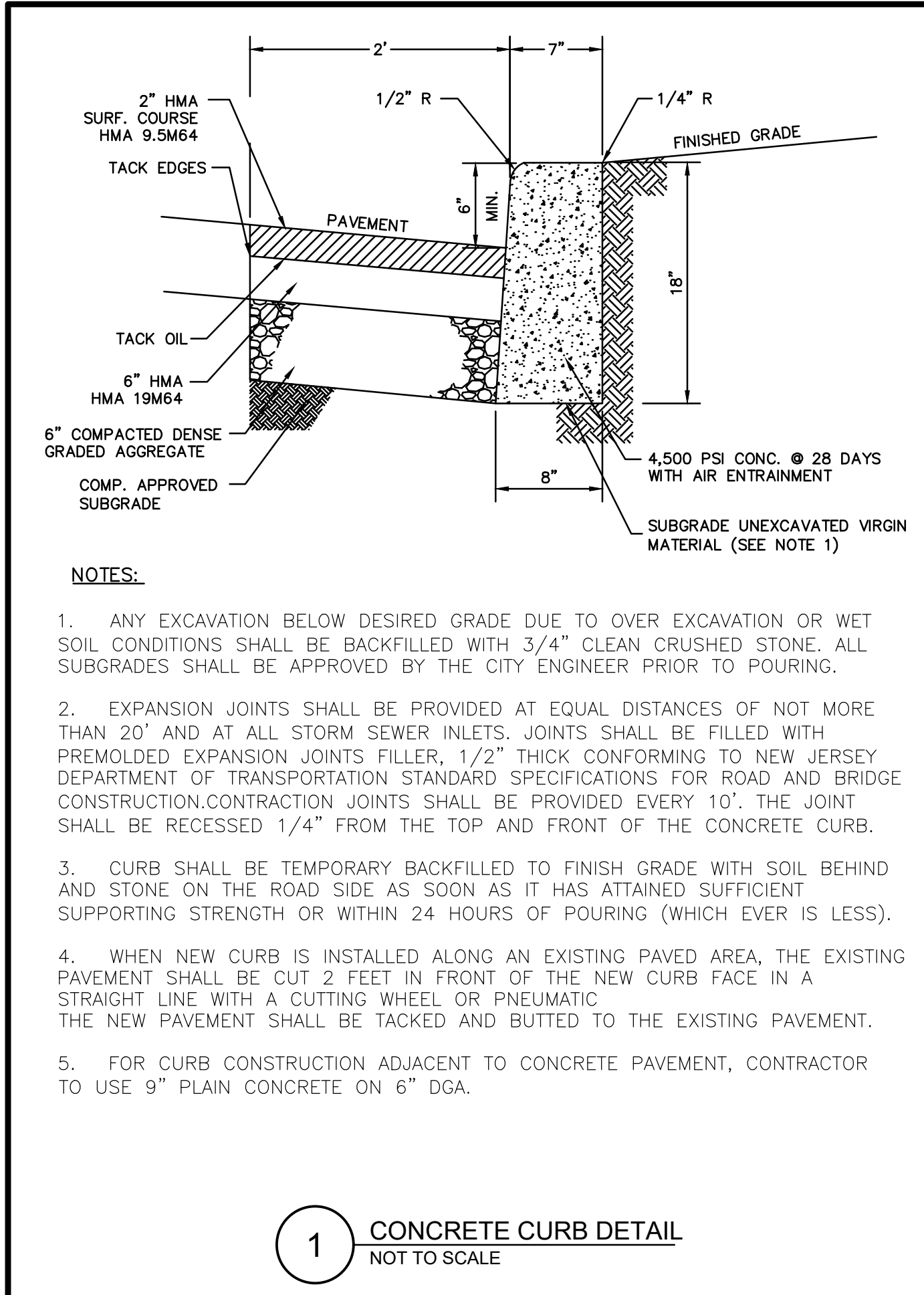
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DRAWN BY: BF

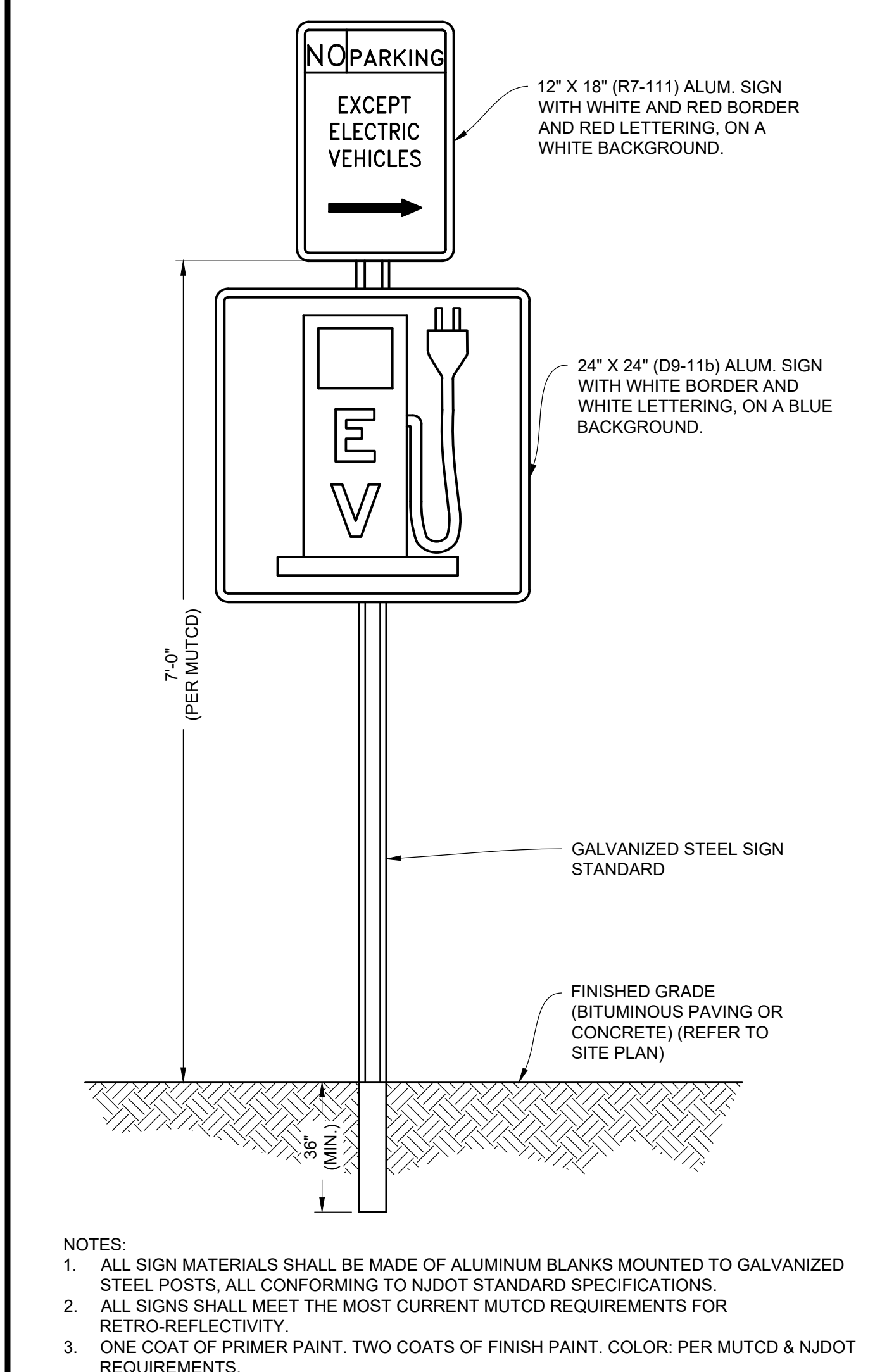
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CS6002

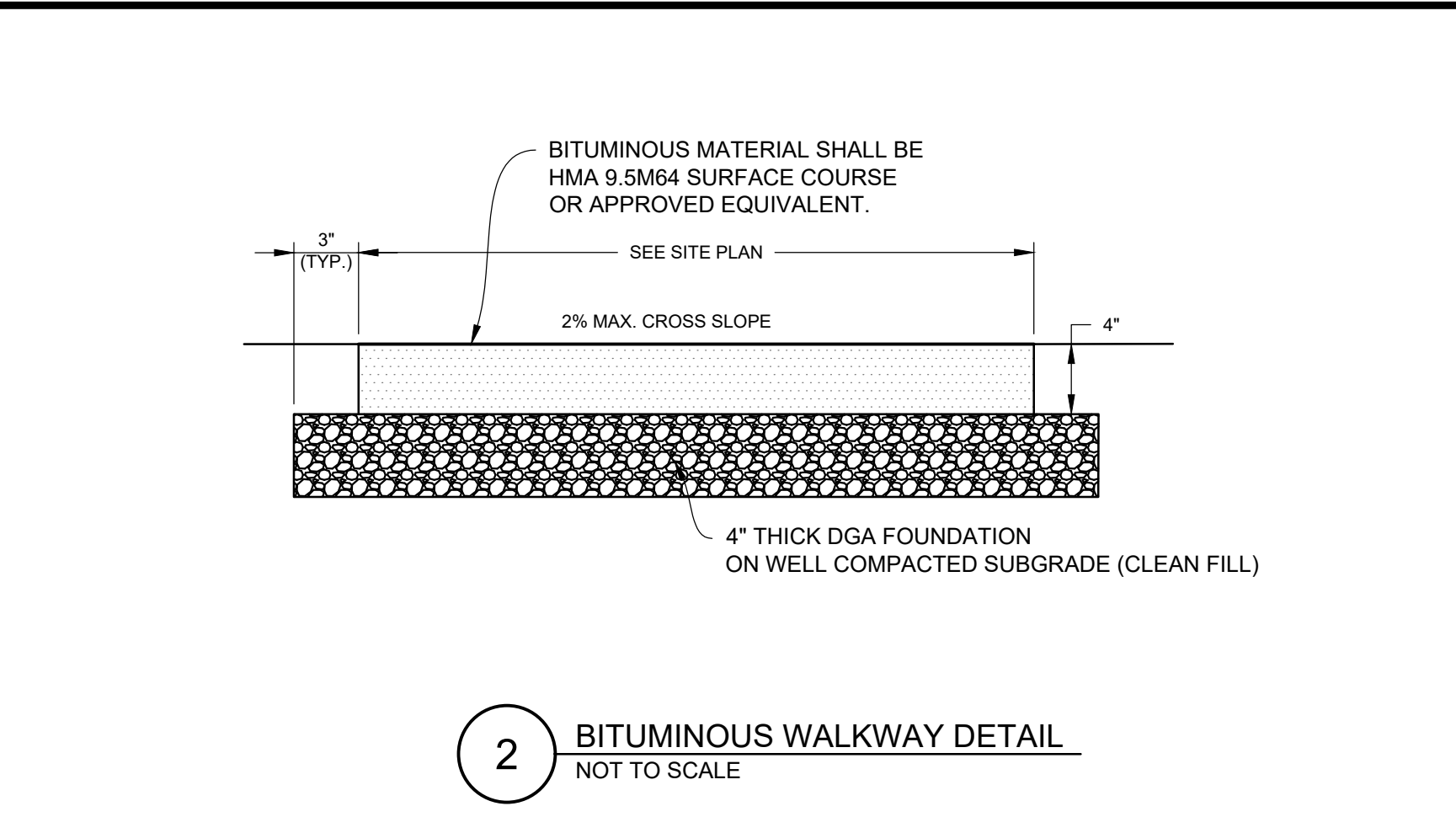
SHEET 21 OF 39



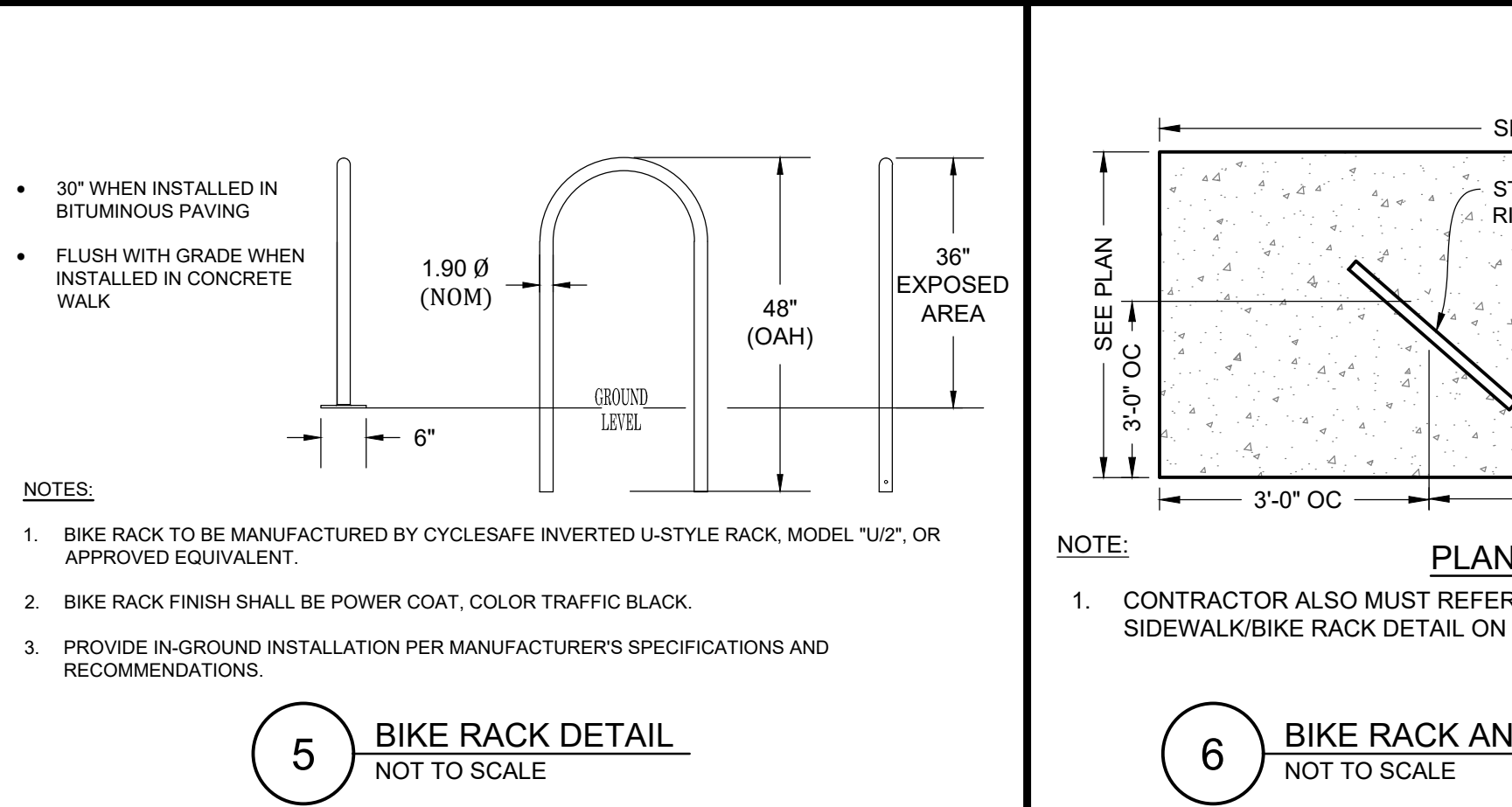
1 CONCRETE CURB DETAIL
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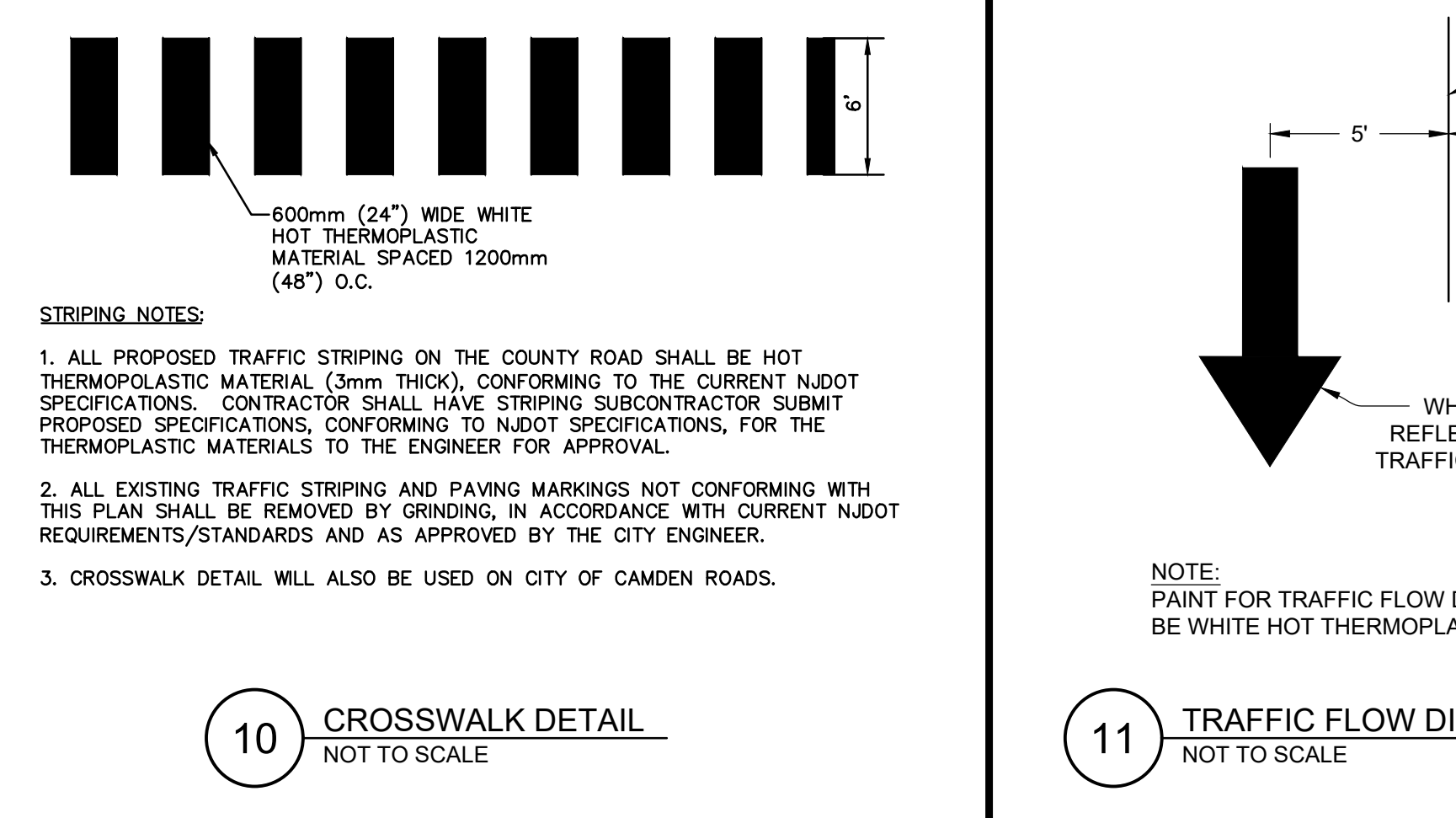
9 EV PARKING SIGN DETAIL
NOT TO SCALE



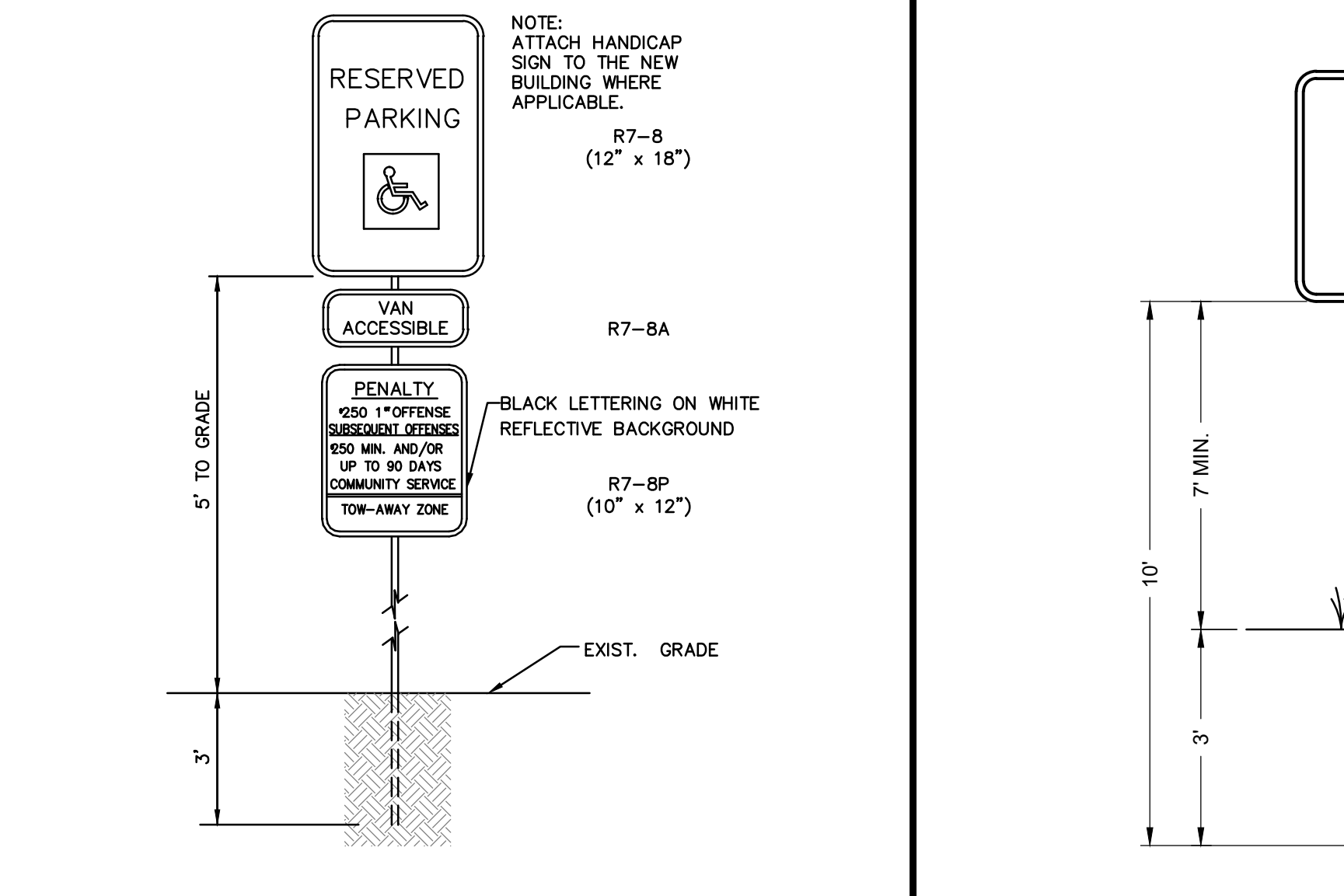
2 BITUMINOUS WALKWAY DETAIL
NOT TO SCALE



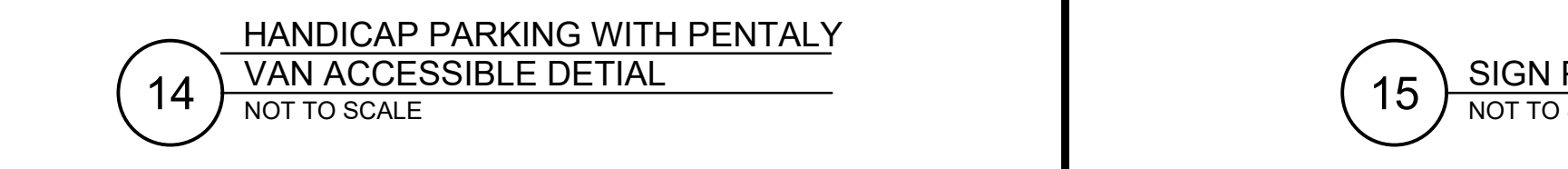
5 BIKE RACK DETAIL
NOT TO SCALE



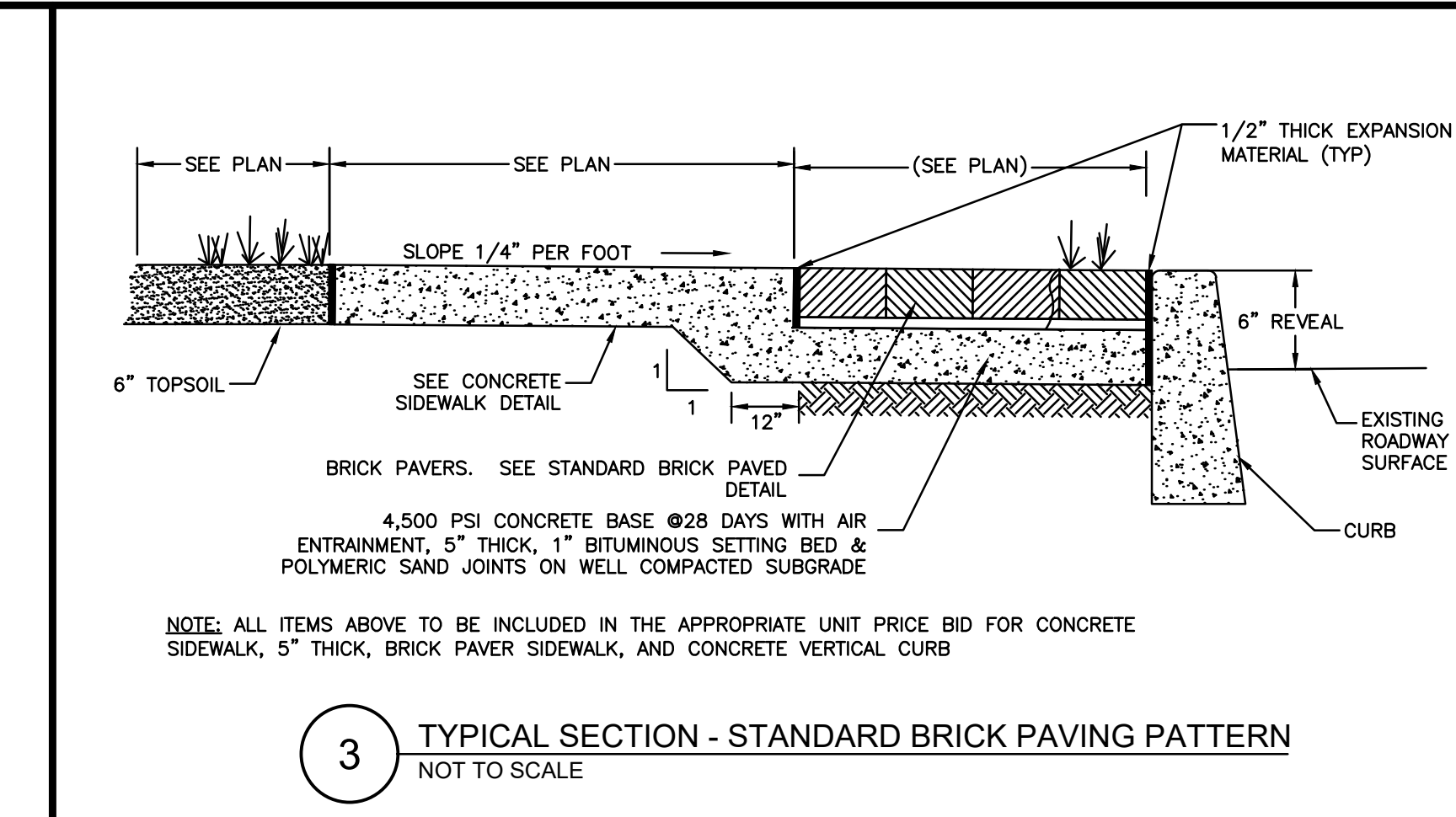
10 CROSSWALK DETAIL
NOT TO SCALE



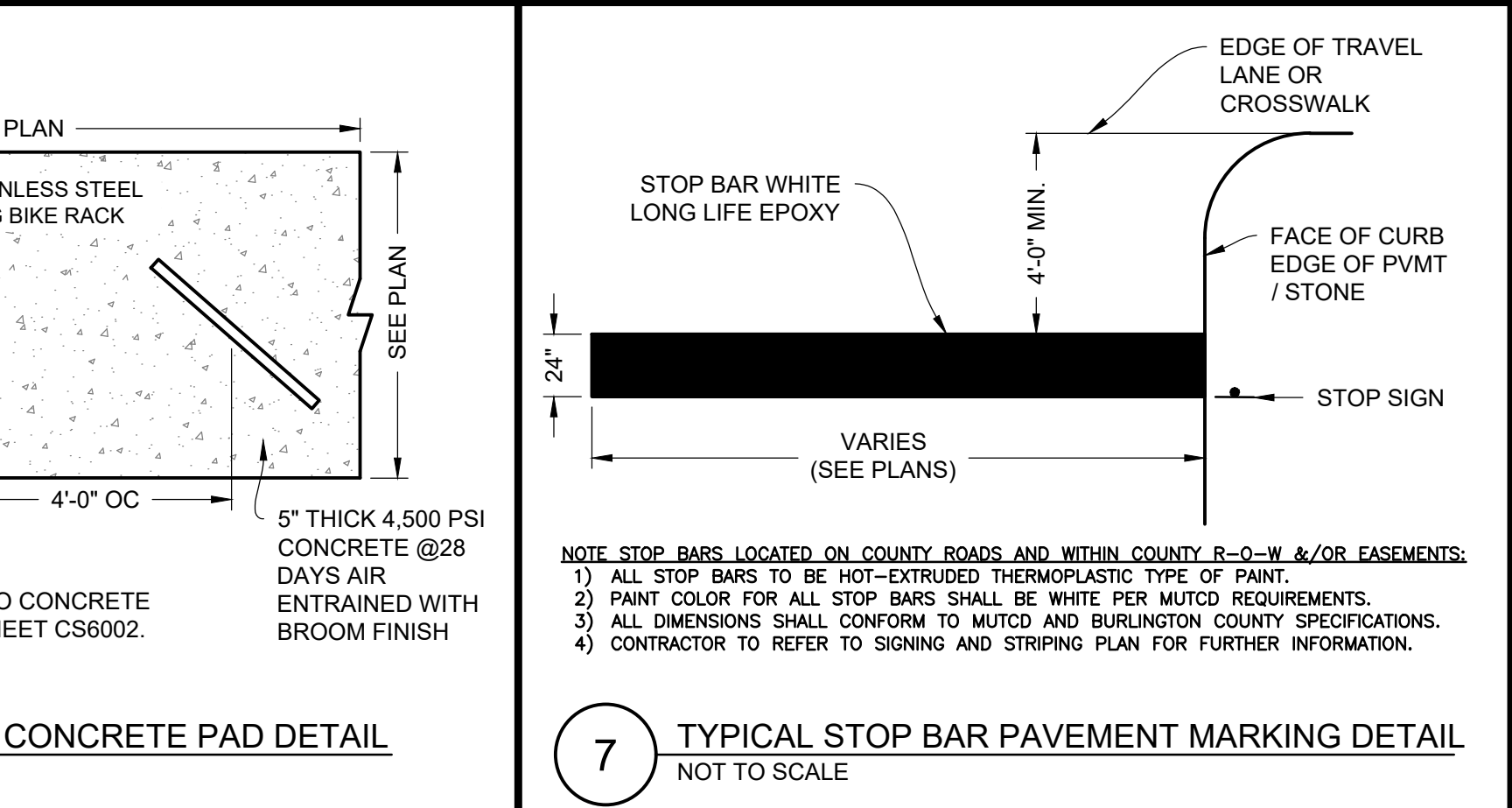
14 HANDICAP PARKING WITH PENALTY VAN ACCESSIBLE DETAIL
NOT TO SCALE



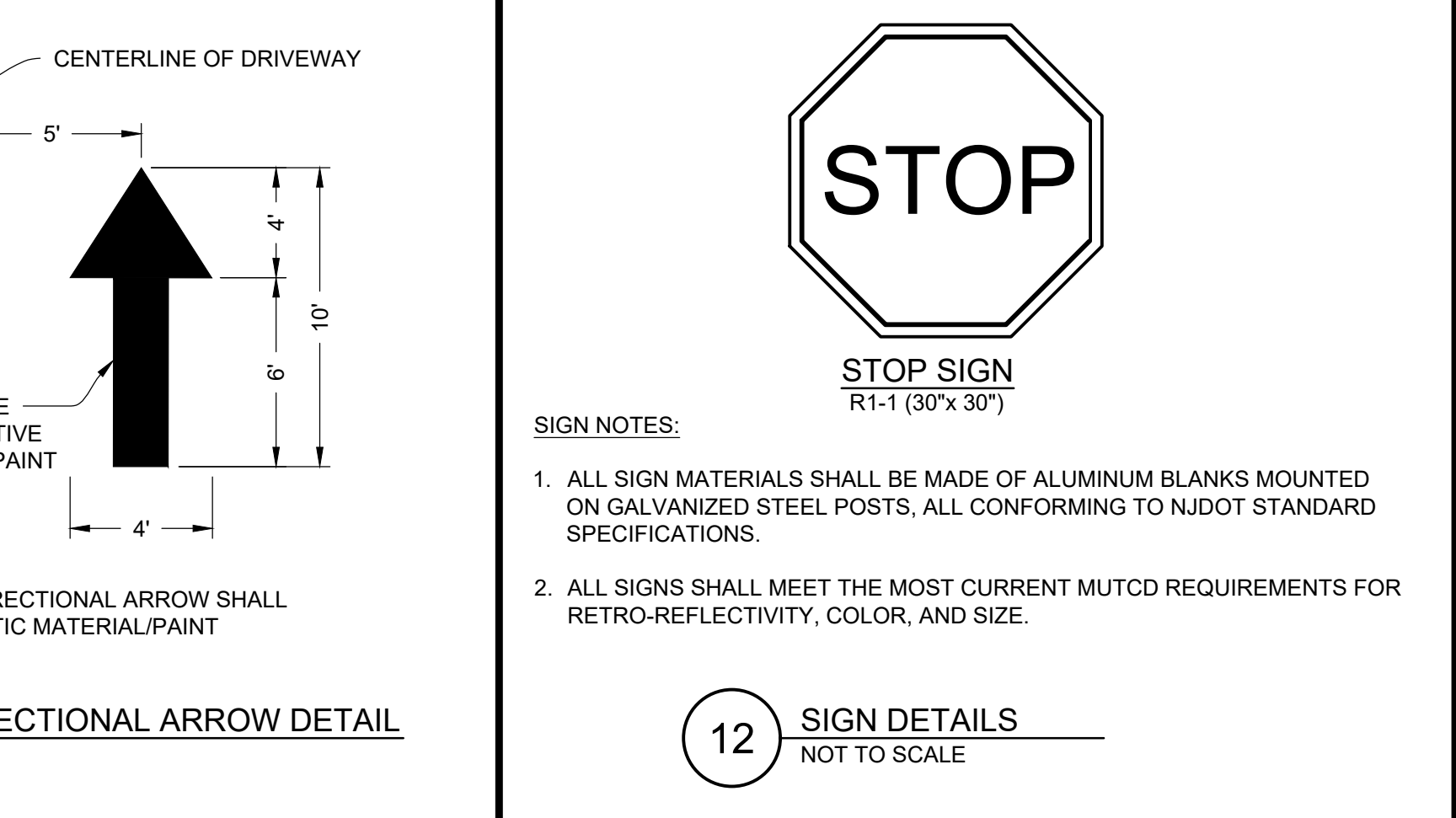
15 SIGN POST DETAIL
NOT TO SCALE



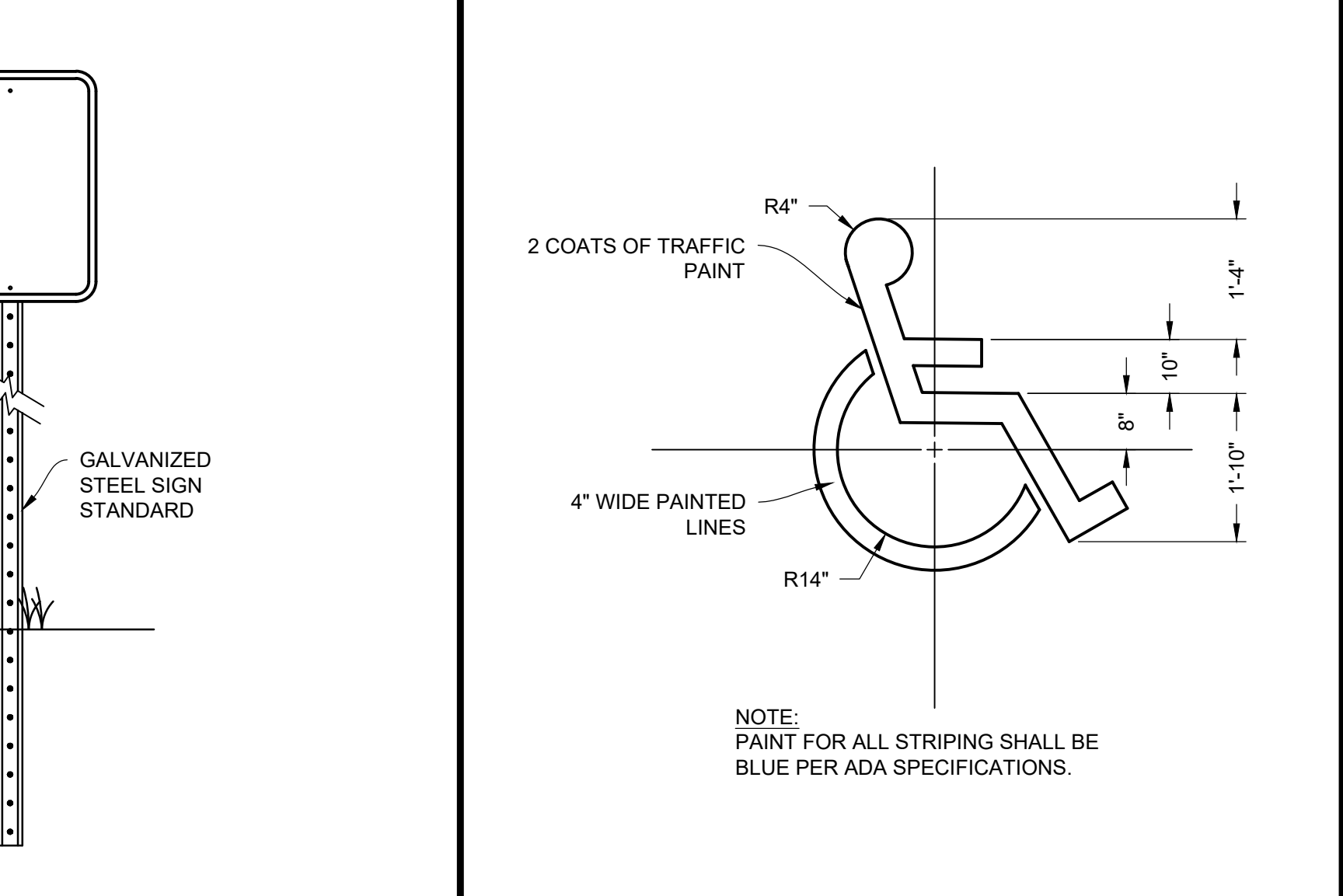
3 TYPICAL SECTION - STANDARD BRICK PAVING PATTERN
NOT TO SCALE



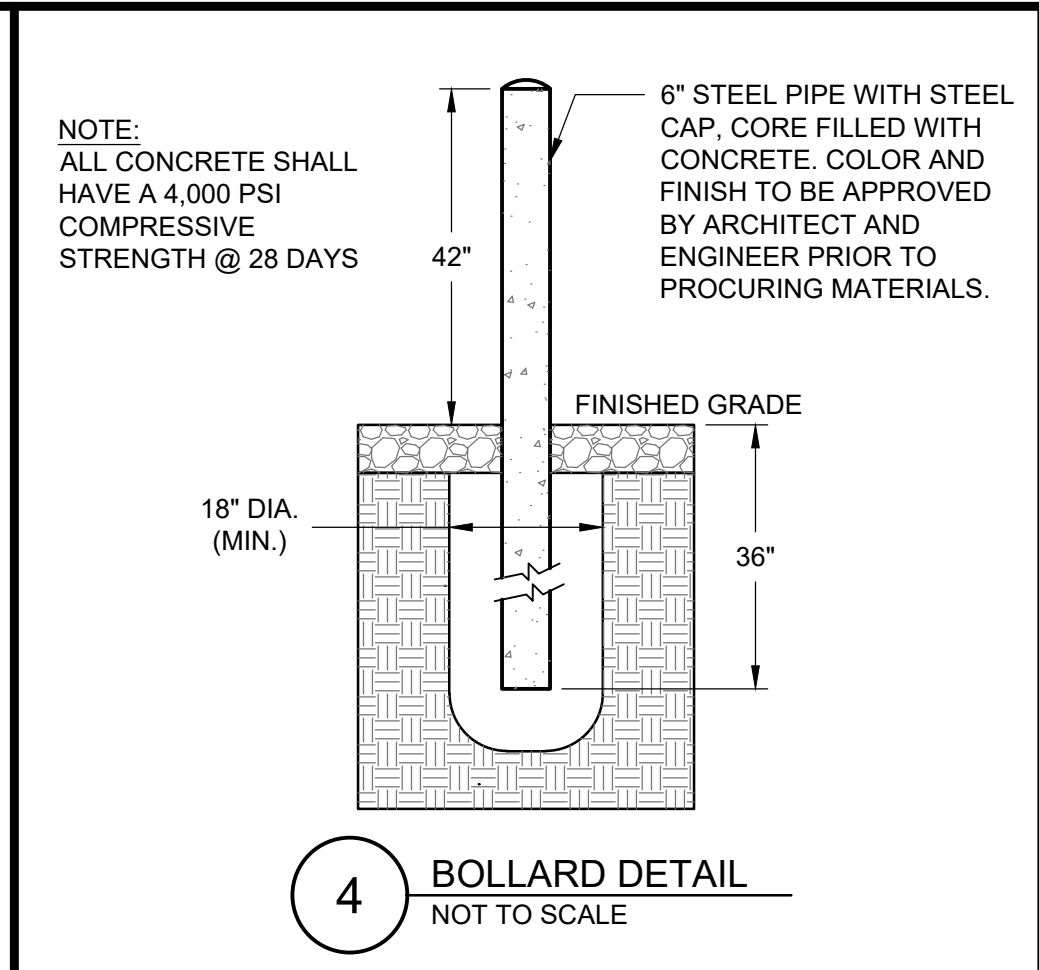
6 BIKE RACK AND CONCRETE PAD DETAIL
NOT TO SCALE



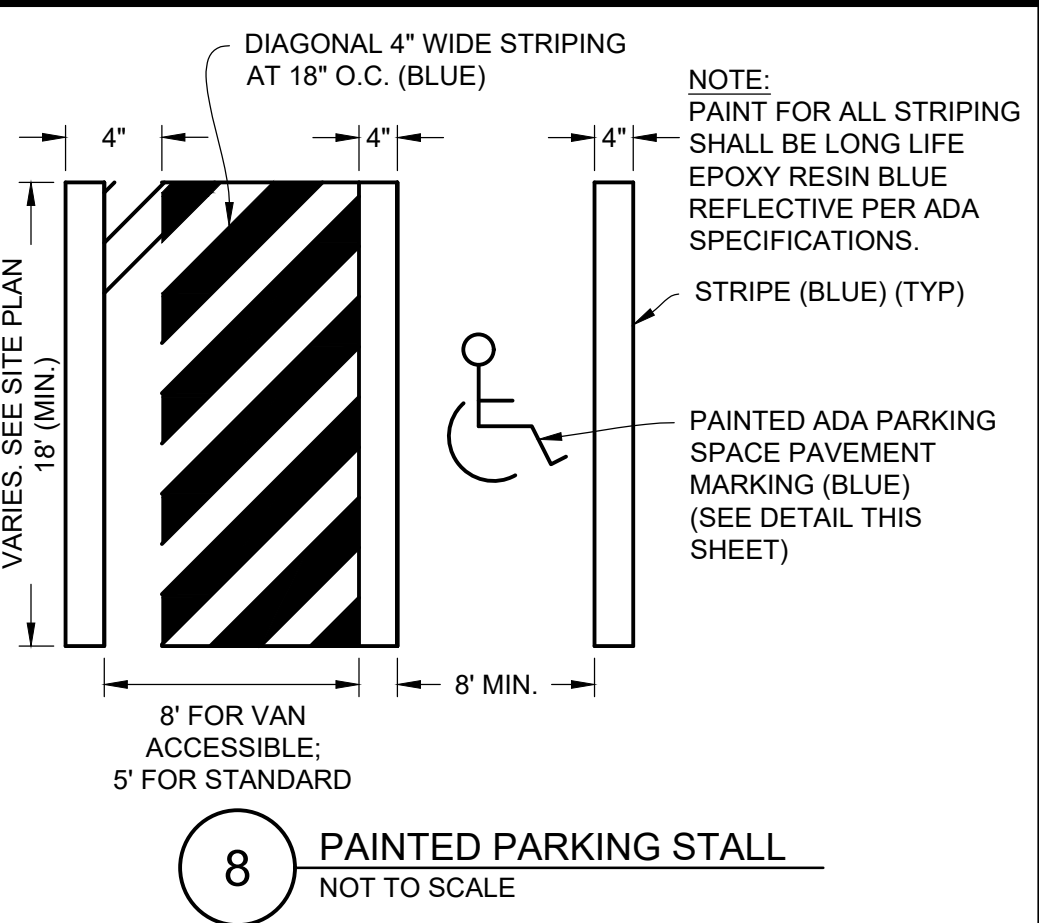
11 TRAFFIC FLOW DIRECTIONAL ARROW DETAIL
NOT TO SCALE



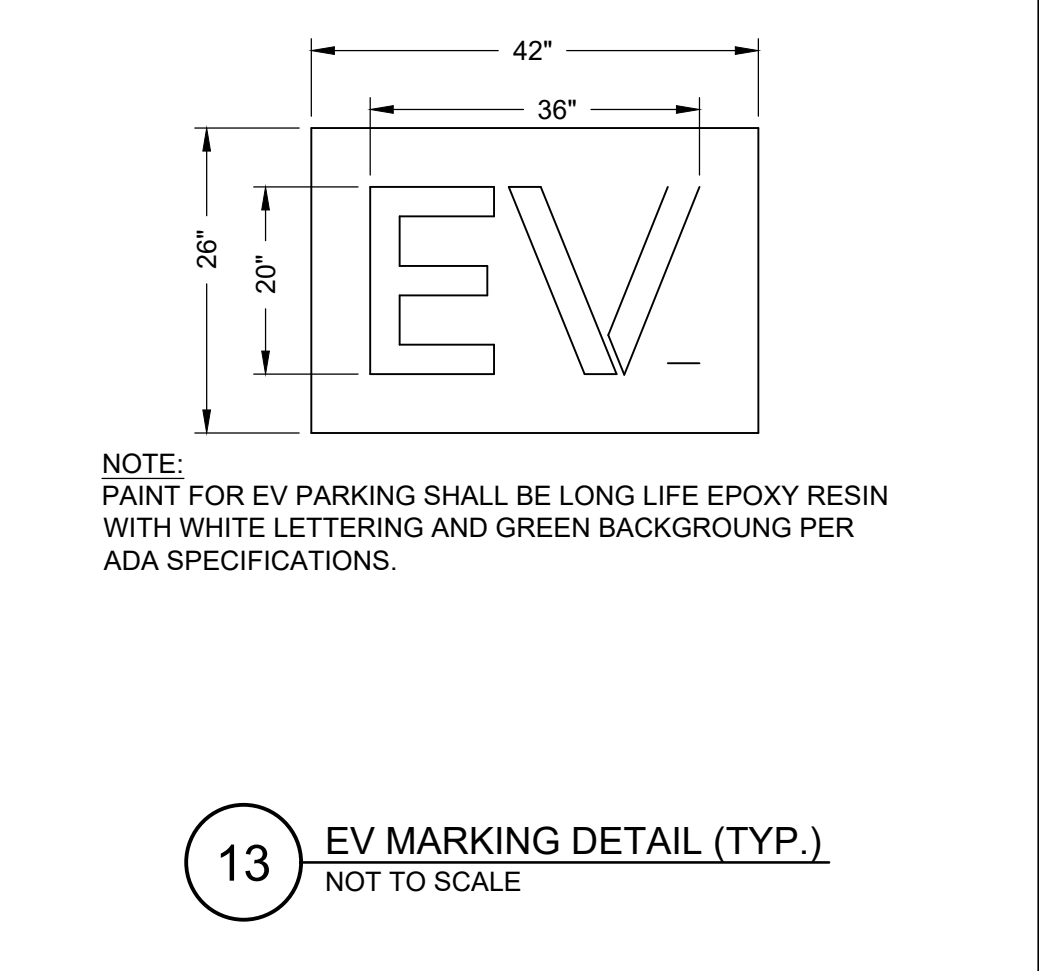
17 ADA PARKING SPACE PAVEMENT MARKING DETAIL
NOT TO SCALE



4 BOLLARD DETAIL
NOT TO SCALE



8 PAINTED PARKING STALL
NOT TO SCALE



13 EV MARKING DETAIL (TYP.)
NOT TO SCALE



12 SIGN DETAILS
NOT TO SCALE

NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN

NOT FOR CONSTRUCTION

Pennoni
PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
NJ COA NO. G428033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
NJ CERTIFICATE OF AUTHORIZATION NO. G428033300

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. G6043788

11/15/24

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

CONSTRUCTION DETAILS III

KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

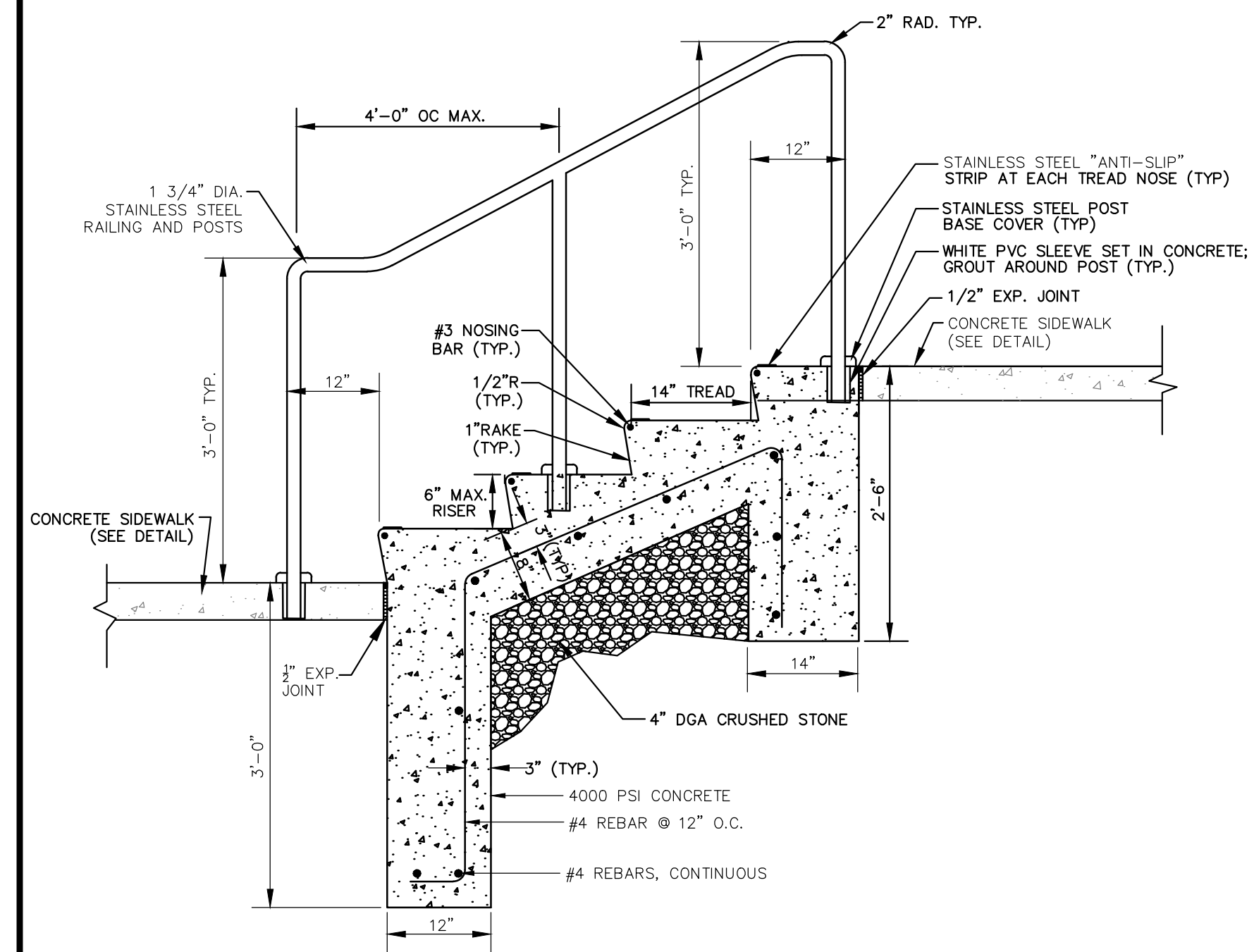
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

PROJECT: **KCNAX23001**
DATE: **MAY 17, 2024**
DRAWING SCALE: **N.T.S.**
DRAWN BY: **BF**
APPROVED BY: **JJR**

CS6003

SHEET **22** OF **39**

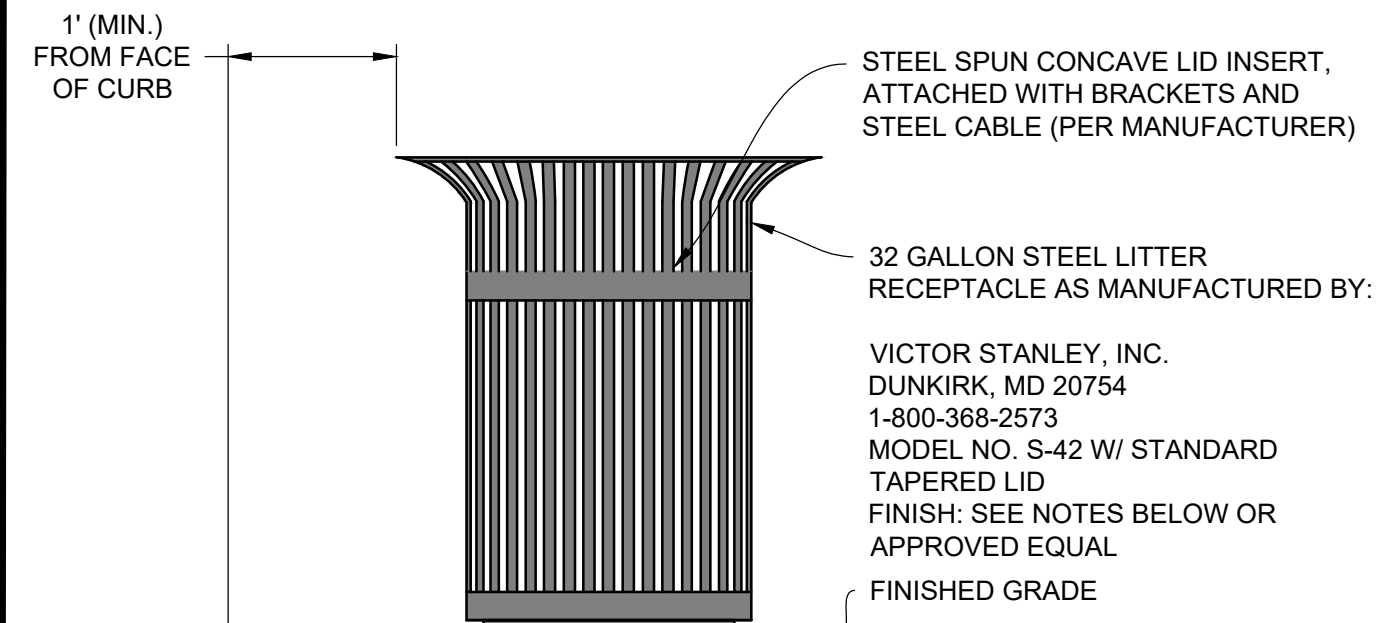
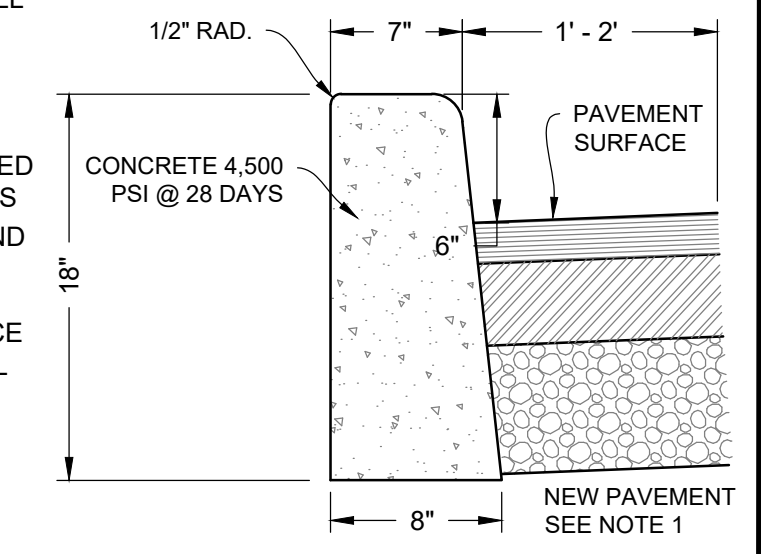
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1 CONCRETE STEPS WITH HANDRAIL
NOT TO SCALE

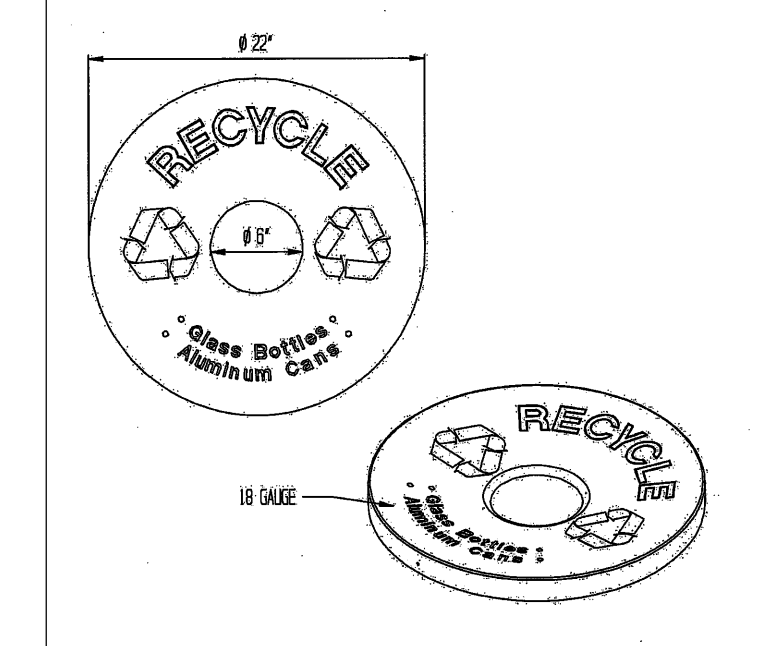
NOTES:
1. WHEN NEW CURB IS CONSTRUCTED ALONG AN EXISTING PAVED AREA, THE EXISTING PAVEMENT SHALL BE CUT IN A STRAIGHT LINE PARALLEL TO FACE OF NEW CURB WITH A SHARP TOOL AND THE NEW PAVEMENT SHALL BE TACKED AND BUTTED TO EXISTING PAVEMENT.
2. EXPANSION JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20' APART AND FILLED WITH CELLULAR COMPRESSION MATERIAL AS SPECIFIED AND RECESSED 1/2" FROM FACE AND TOP OF CURB. EXPANSION JOINTS TO BE INCLUDED IN PRICE BID FOR CURB. EXPANSION JOINTS TO BE INCLUDED IN PRICE BID FOR CURB. CONSTRUCTION JOINT SHALL BE CUT MID-POINT BETWEEN EXP. JOINTS.
3. WHERE NO ELEVATIONS ARE GIVEN ON THE PLAN, MATCH THE PROJECTED TOP OF EXISTING CURB. THE PROJECTED TOP OF CURB SHALL BE DETERMINED BY A STRING LINE.

2 CITY OF CAMDEN VERTICAL CONCRETE CURB & ONSITE VERTICAL CONCRETE CURB DETAIL
NOT TO SCALE

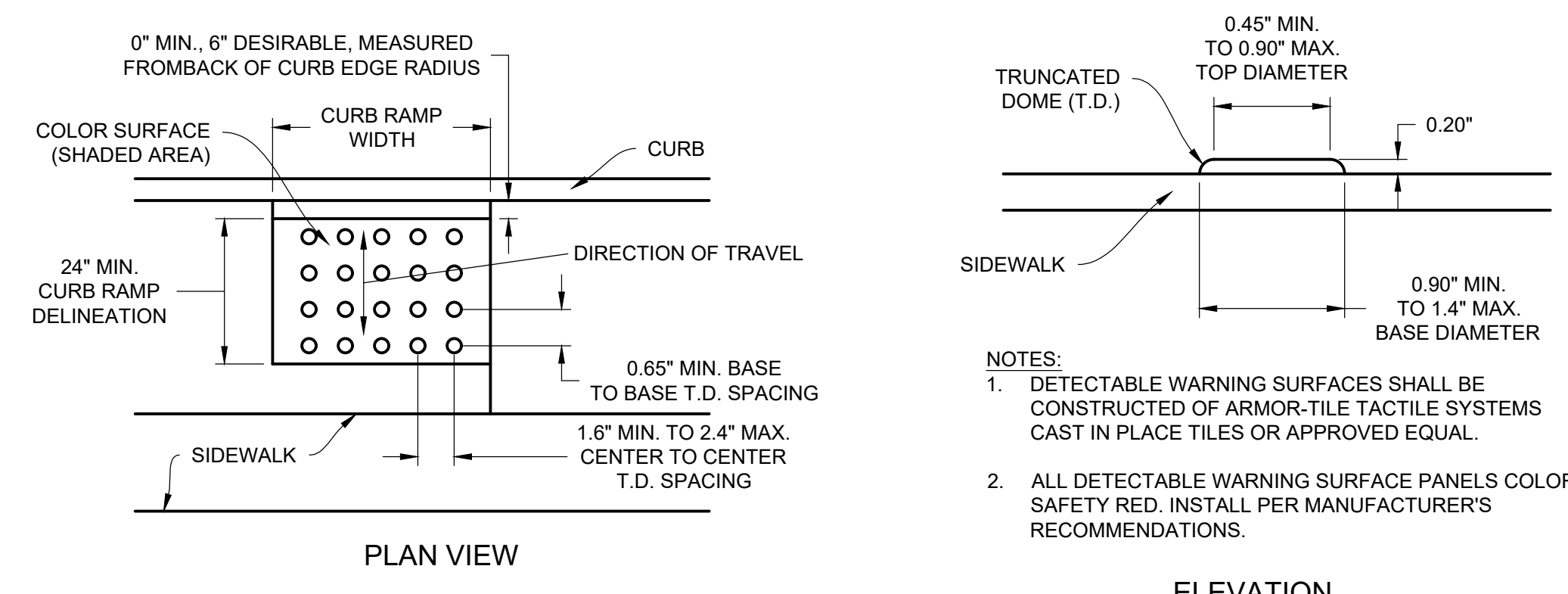


NOTES:
1. TWO TRASH RECEPTACLES SHALL BE PROVIDED AT EACH REFUSE LOCATION.
2. ONE LID INSERT FOR TRASH RECEPTACLE AND ONE LID INSERT FOR RECYCLE RECEPTACLE. TRASH FINISHED COLOR TO BE BLACK, POWDER COATED. RECYCLE FINISHED COLOR TO BE BLUE, POWDER COATED AND BE MARKED FOR RECYCLABLES.
3. CONTRACTOR SHALL PROVIDE THE OWNER WITH CATALOG CUTS FOR SELECTION OF FINAL COLOR PRIOR TO PROCUREMENT OF MATERIAL.
4. CONTRACTOR IS TO PROVIDE A COMPLETE INSTALLATION OF BOTH TYPES OF RECEPTACLE CONTAINERS.

3 TRASH AND RECYCLE RECEPTACLE DETAIL
NOT TO SCALE

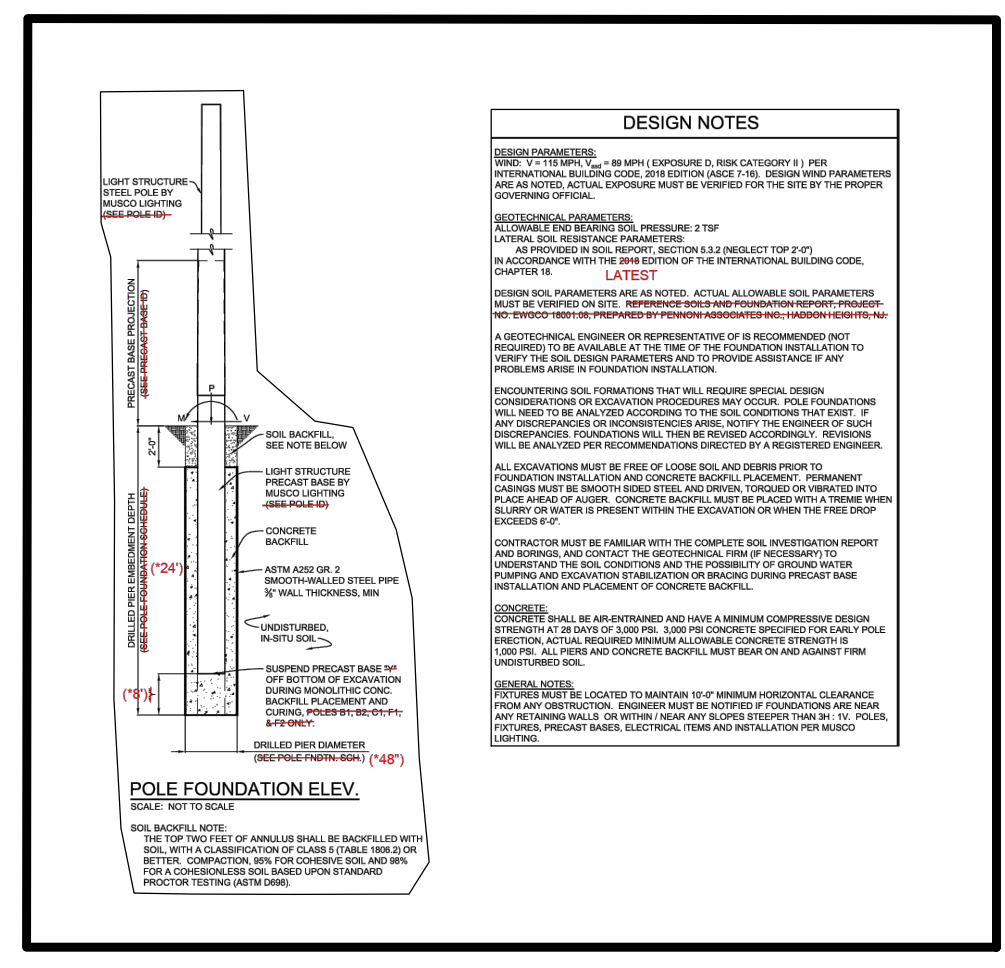


4 RECYCLE LID INSERT
NOT TO SCALE

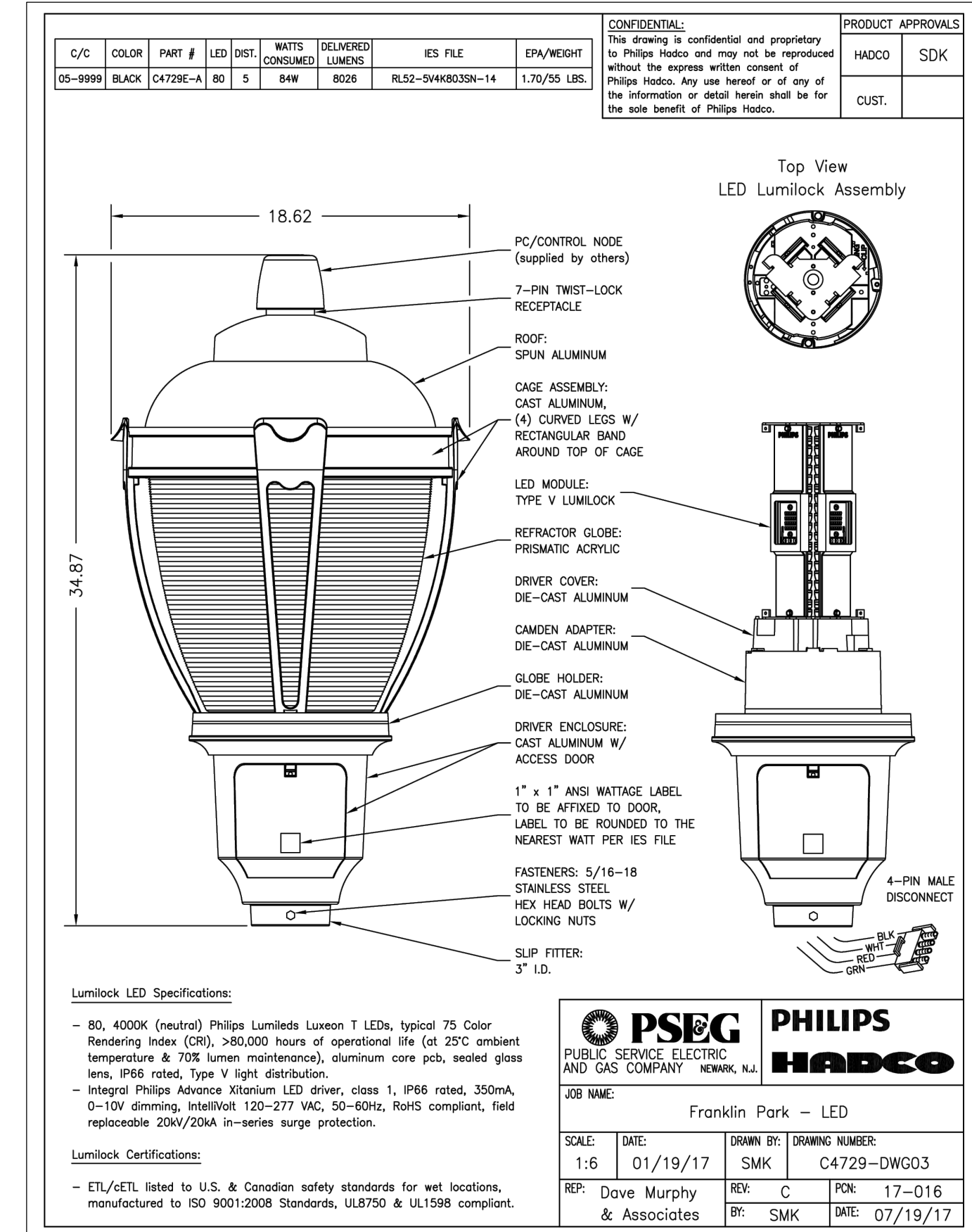


5 DETECTABLE WARNING SURFACE (DWS) DETAIL
NOT TO SCALE

NOTES:
1. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED OF ARMOR-TILE TACTILE SYSTEMS CAST IN PLACE TILES OR APPROVED EQUAL.
2. ALL DETECTABLE WARNING SURFACE PANELS COLOR: SAFETY RED. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.



6 SPORT LIGHTING DETAIL
NOT TO SCALE



7 FRANKLIN PARK LED LIGHT
NOT TO SCALE

NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN

NOT FOR CONSTRUCTION

Pennoni
PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
NJ COA NO. CA28033300

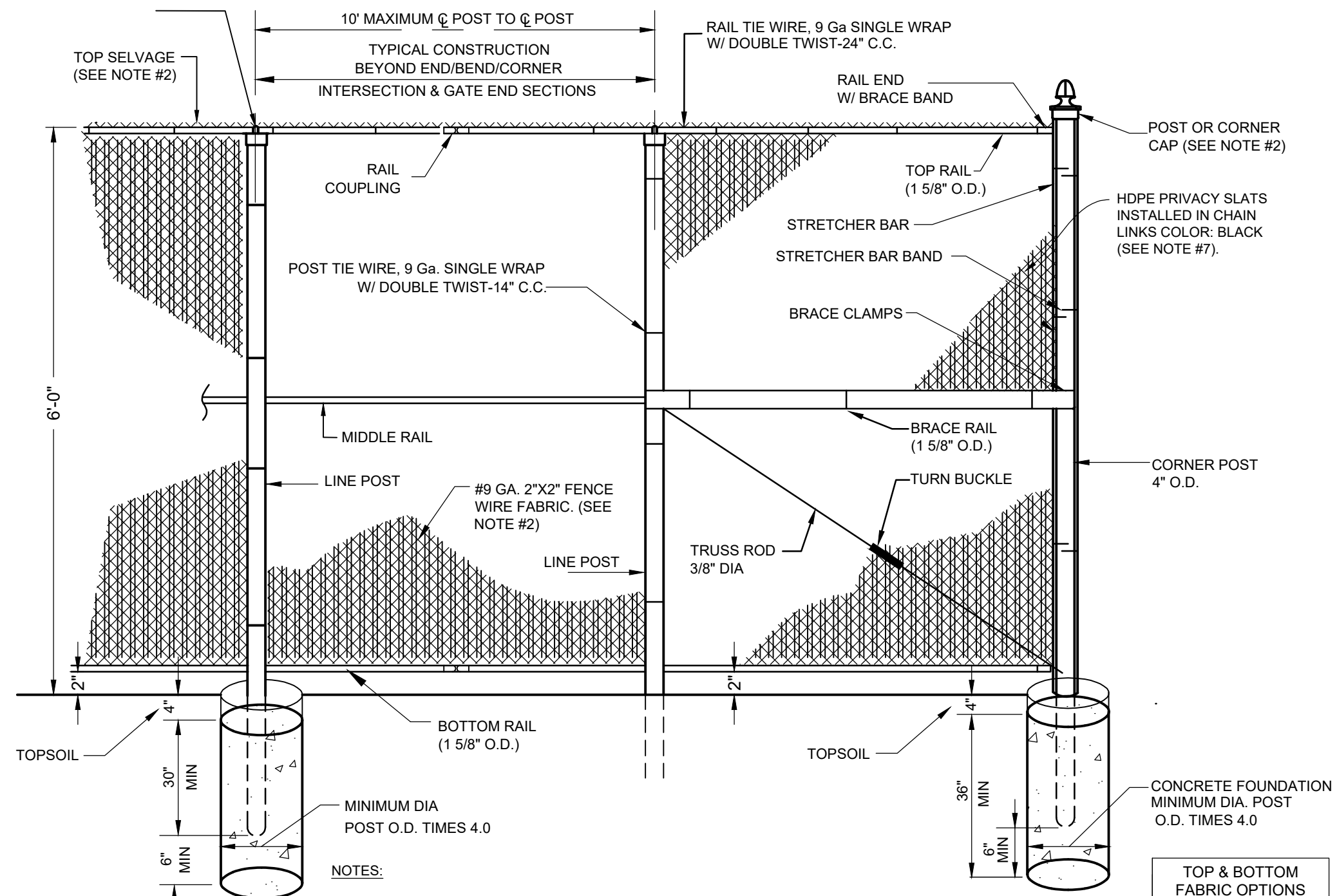
ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
NJ CERTIFICATE OF AUTHORIZATION NO. CA28033300
JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788
11/15/24

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY
CONSTRUCTION DETAILS IV
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

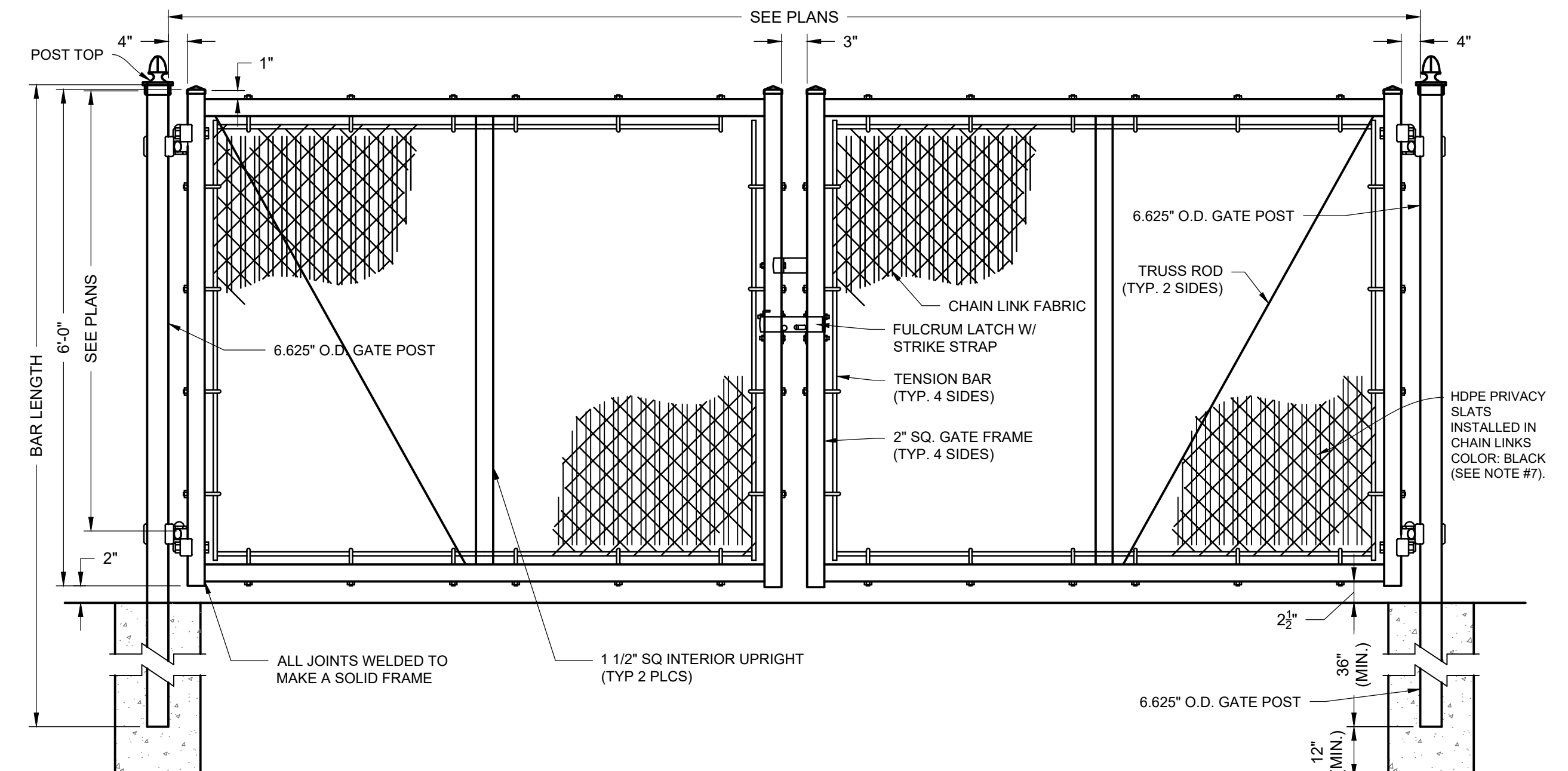
PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	N.T.S.
DRAWN BY	BF
APPROVED BY	JJR
CS6004	
SHEET	23 OF 39

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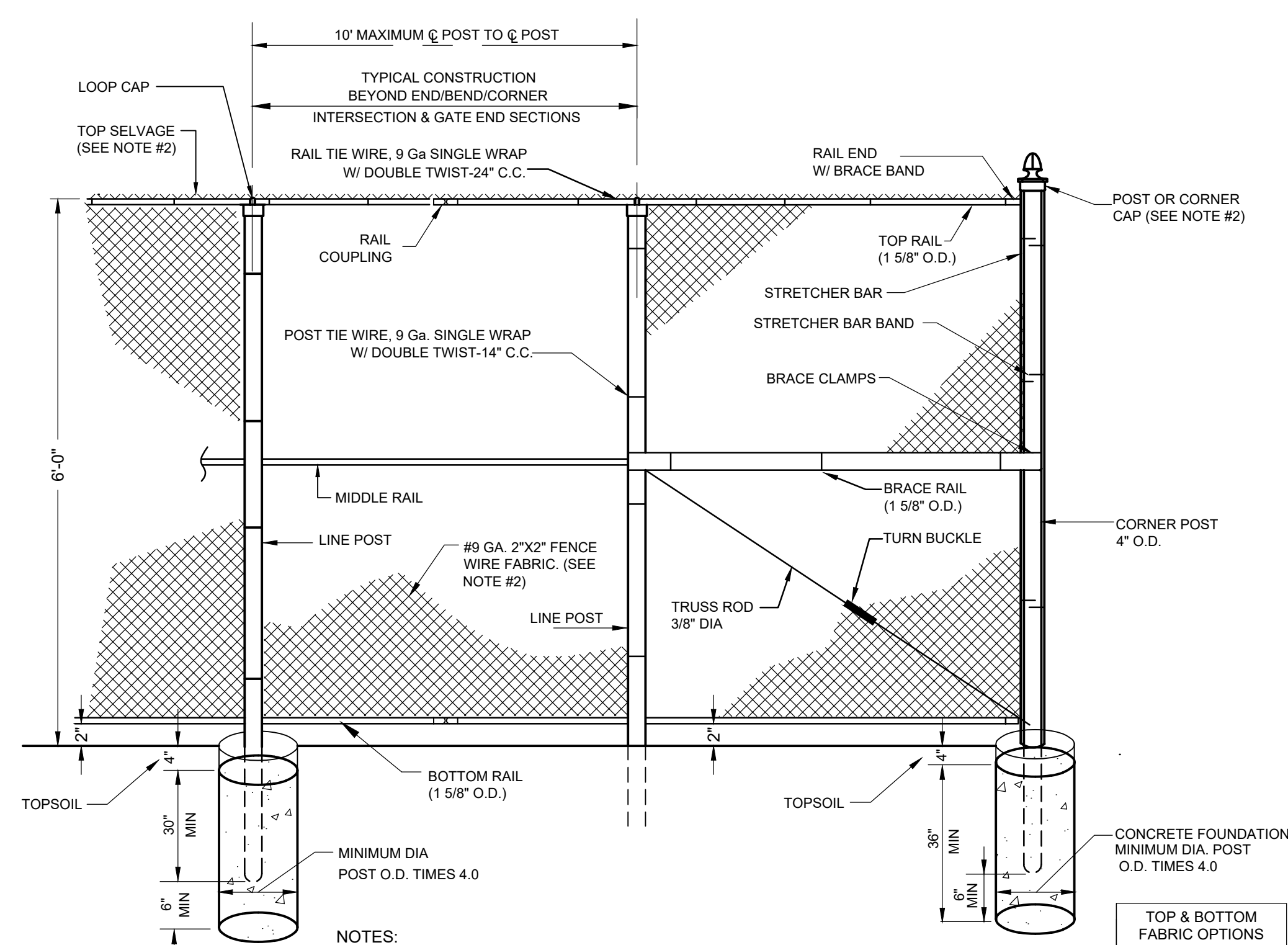
- NOTES:
- CHAIN LINK FENCE SHALL COMPLY WITH ASTM F-900.
 - INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 - ALL CONCRETE FOR FOUNDATIONS SHALL BE 4,500 PSI MIN. AT 28 DAYS.
 - CHAIN LINK FABRIC VINYL COATING, POSTS, AND RAILS TO BE BLACK POLYESTER POWDER COATED.
 - CONTRACTOR TO PROVIDE LOCK AND KEY FOR ALL PEDESTRIAN AND VEHICLE GATES.
 - PROVIDE HDPE PRIVACY SLATS FOR CHAIN LINK FENCE AS SPECIFIED ON SITE PLAN. COST TO BE PAID FOR UNDER ASSOCIATED BID ITEM.
- | TOP & BOTTOM FABRIC OPTIONS | |
|-----------------------------|---------|
| TWIST | KNUCKLE |
| | |

1 CHAINLINK FENCE DETAIL (EQUIPMENT AREA)
NOT TO SCALE



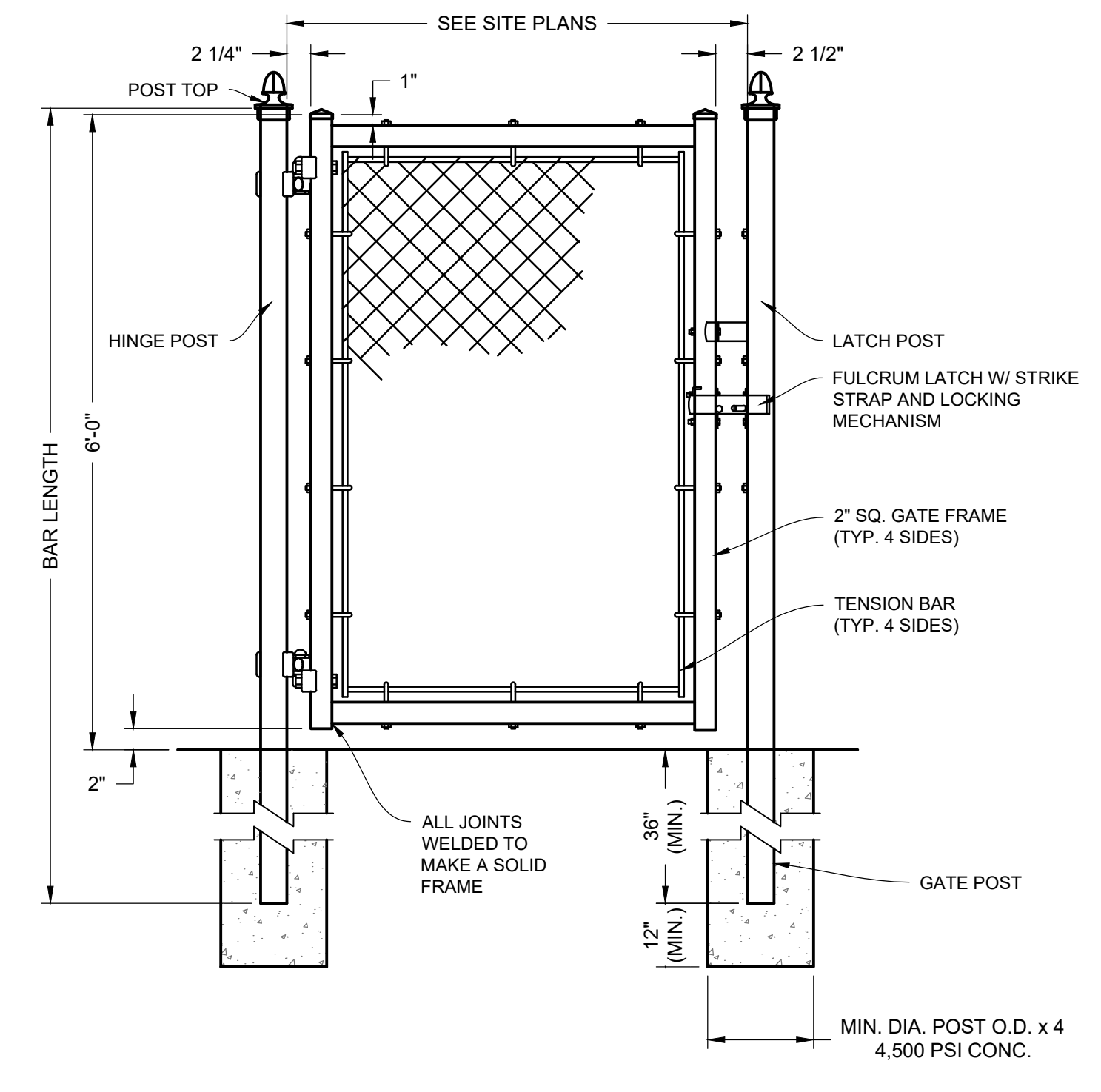
- NOTES:
- CHAIN LINK FENCE SHALL COMPLY WITH ASTM F-900.
 - INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 - ALL CONCRETE FOR FOUNDATIONS SHALL BE 4,500 PSI MIN. AT 28 DAYS.
 - CHAIN LINK FABRIC VINYL COATING, POSTS, AND RAILS TO BE BLACK POLYESTER POWDER COATED.
 - CONTRACTOR TO PROVIDE LOCK AND KEY FOR ALL PEDESTRIAN AND VEHICLE GATES.
 - PROVIDE HDPE PRIVACY SLATS FOR DOUBLE SWING GATE AT PSE&G EQUIPMENT ENCLOSURE. COST TO BE PAID FOR UNDER ASSOCIATED BID ITEM.

2 CHAINLINK FENCE DOUBLE SWING GATE DETAIL (EQUIPMENT AREA)
NOT TO SCALE



- NOTES:
- ALL CONCRETE FOR FOUNDATIONS SHALL BE 4000 PSI MIN. @ 28 DAYS.
 - MESH FENCE FABRIC SHALL BE 9 GAUGE, BLACK, VINYL-COATED.
 - ALL HARDWARE AND FRAMING SHALL BE BLACK POLYESTER POWDER COATED.
- | TOP & BOTTOM FABRIC OPTIONS | |
|-----------------------------|---------|
| TWIST | KNUCKLE |
| | |

3 CHAINLINK FENCE DETAIL
NOT TO SCALE



- NOTES:
- GATE HEIGHT: 6-FT.
 - SWING GATE FENCE SHALL COMPLY WITH ASTM F-900.
 - INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND ASTM F567-14a.
 - ALL CONCRETE FOR FOUNDATIONS SHALL BE 4,500 PSI MIN. AT 28 DAYS.
 - MESH FABRIC SHALL BE 9 GAUGE, BLACK, VINYL-COATED.
 - ALL HARDWARE AND FRAMING SHALL BE BLACK POLYESTER POWDER COATED.
 - PROVIDE HDPE PRIVACY SLATS FOR DOUBLE SWING GATE AT TRASH ENCLOSURE; COLOR BLACK.

4 CHAIN LINK PEDESTRIAN SWING GATE DETAIL
NOT TO SCALE

NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN

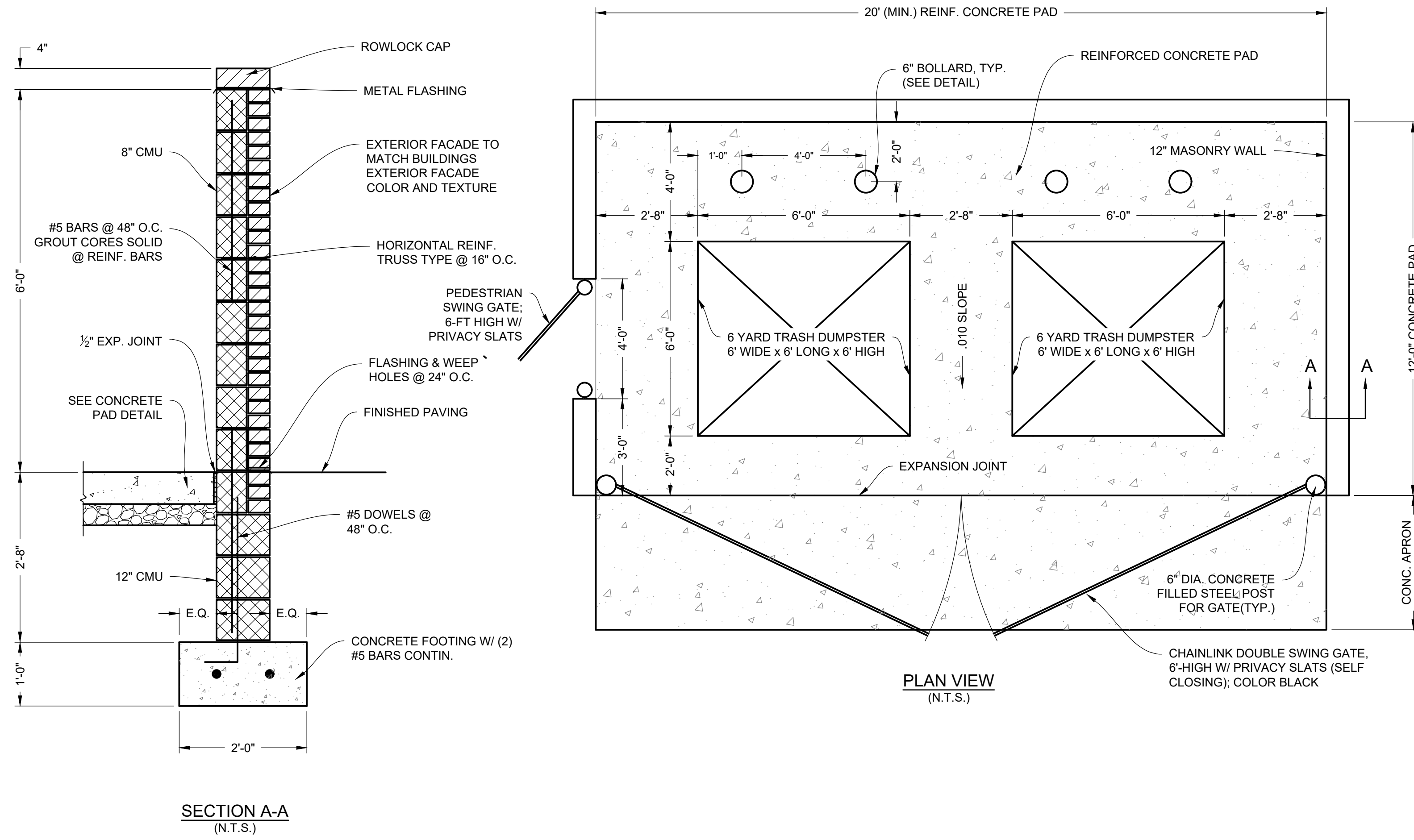
NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

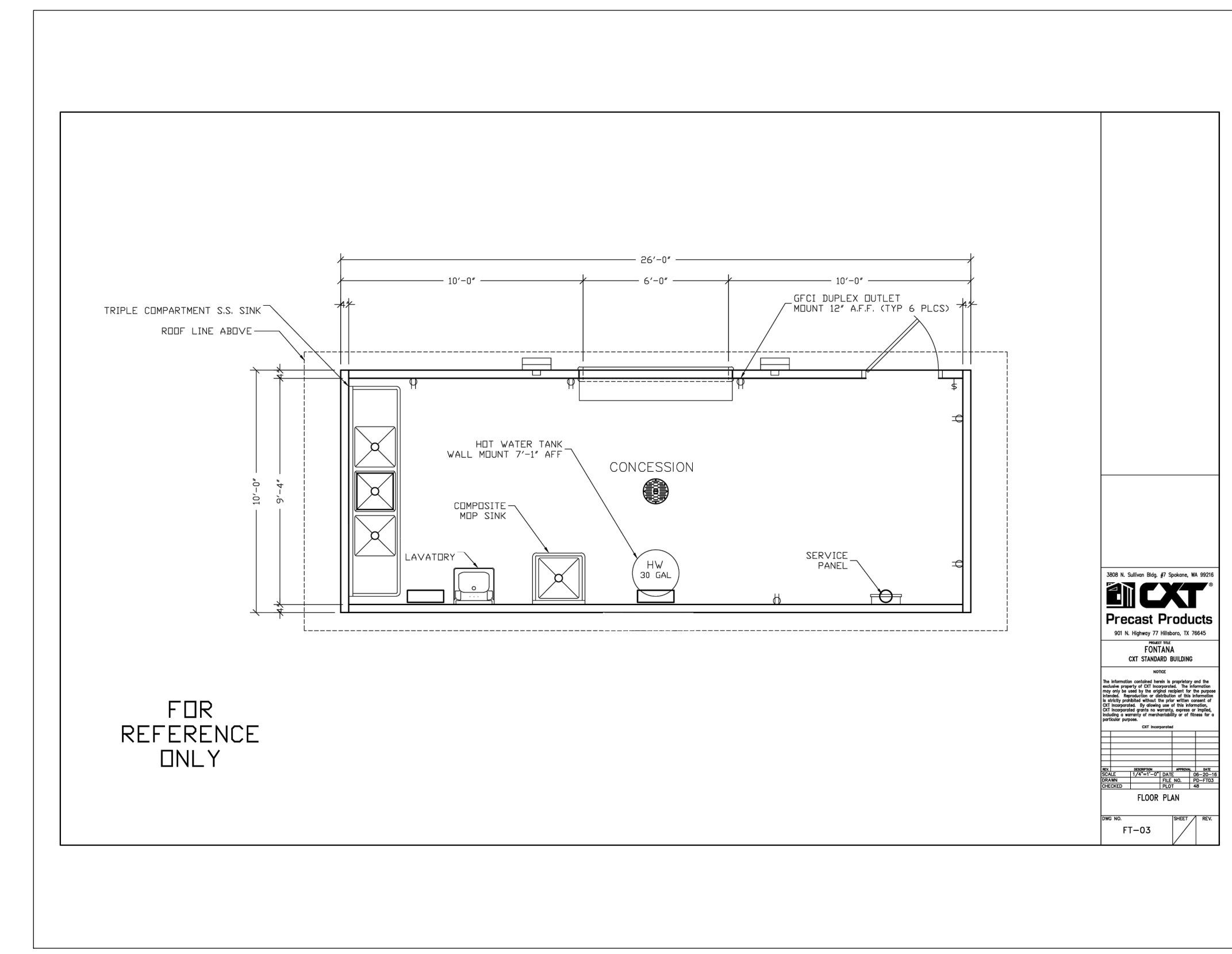
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PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	N.T.S.
DRAWN BY	BF
APPROVED BY	JJR

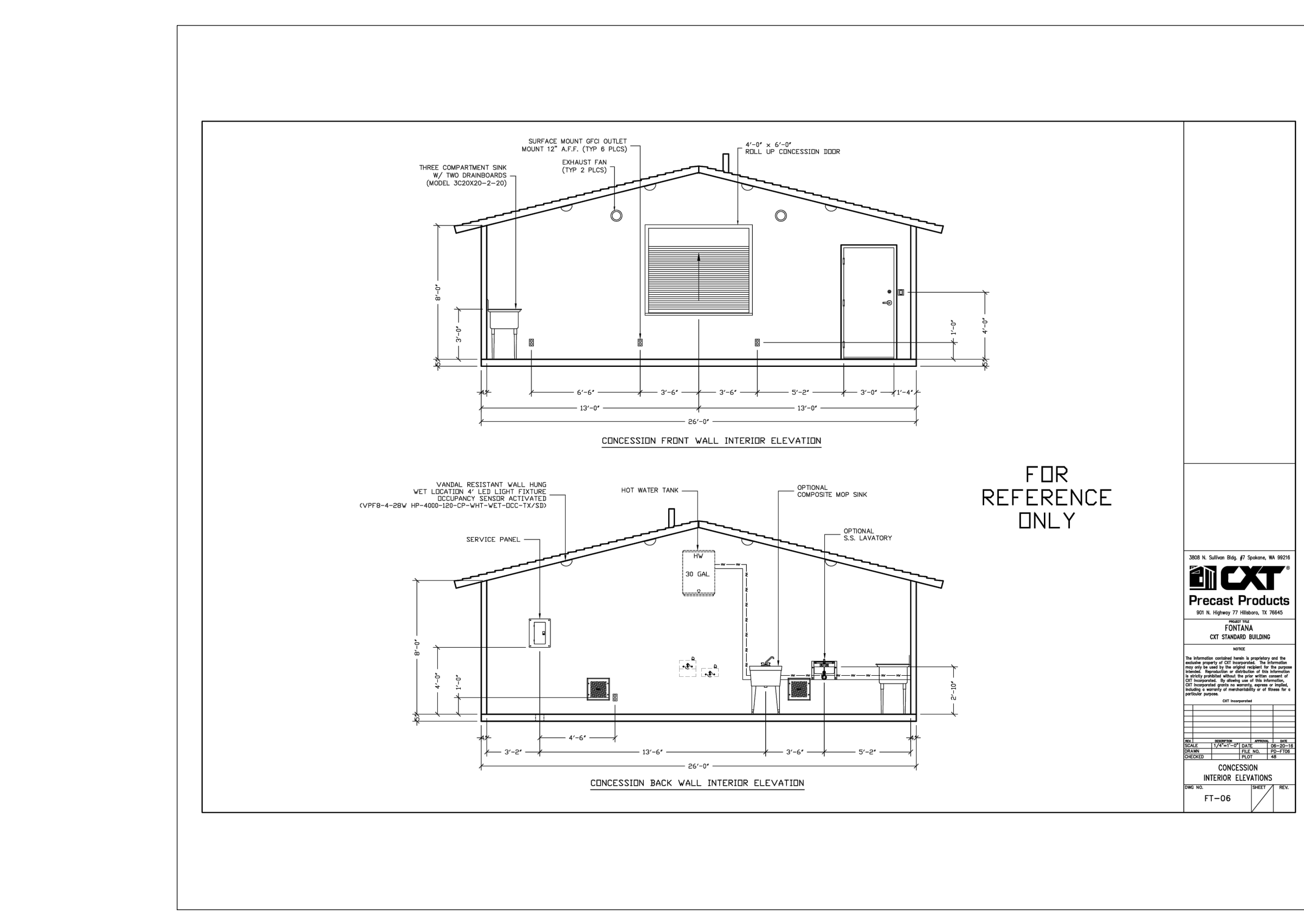
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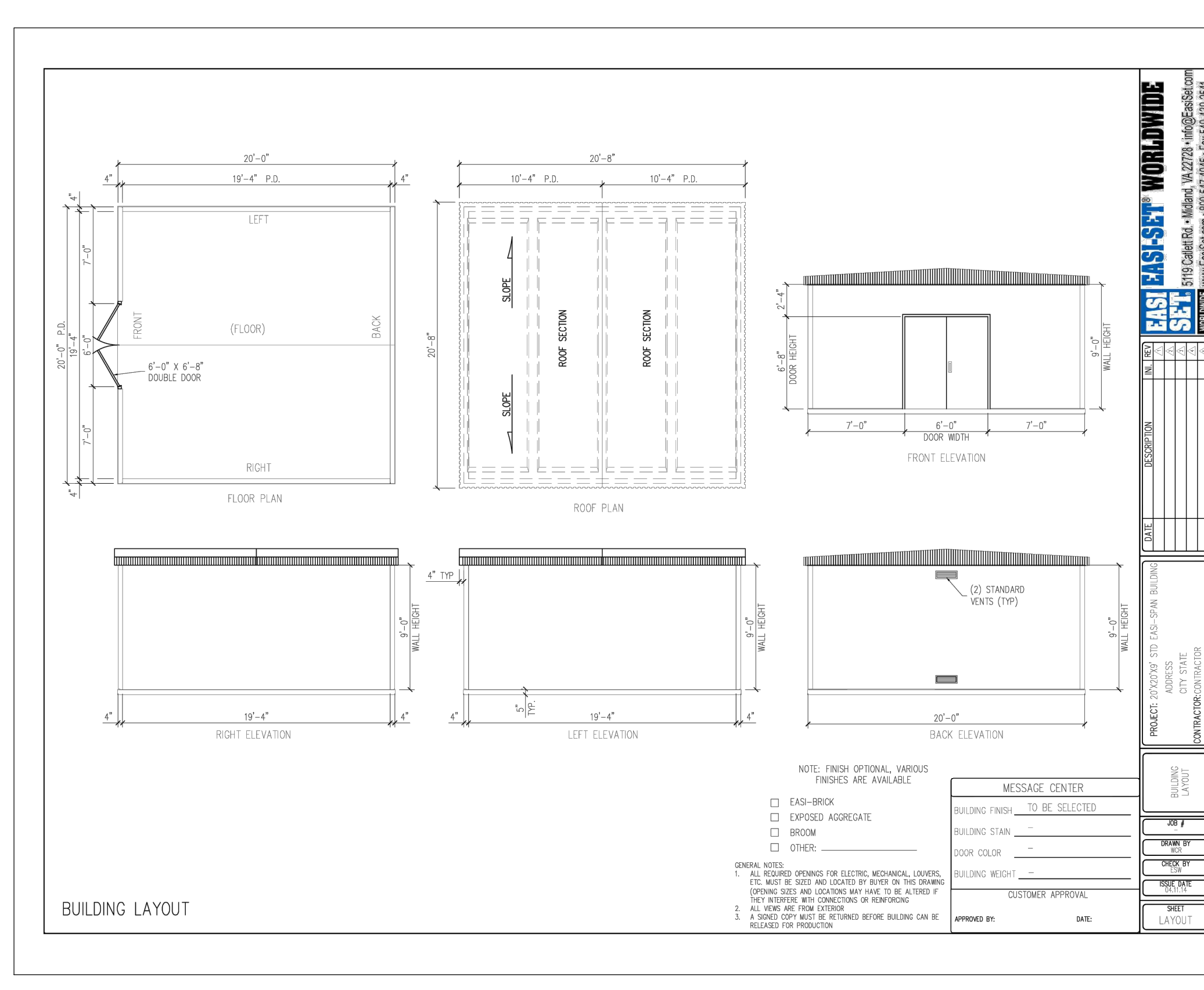
1 TRASH ENCLOSURE DETAIL
NOT TO SCALE



2 CONCESSION STAND FLOOR PLAN DETAIL
NOT TO SCALE



3 CONCESSION STAND ELEVATION PLAN DETAIL
NOT TO SCALE



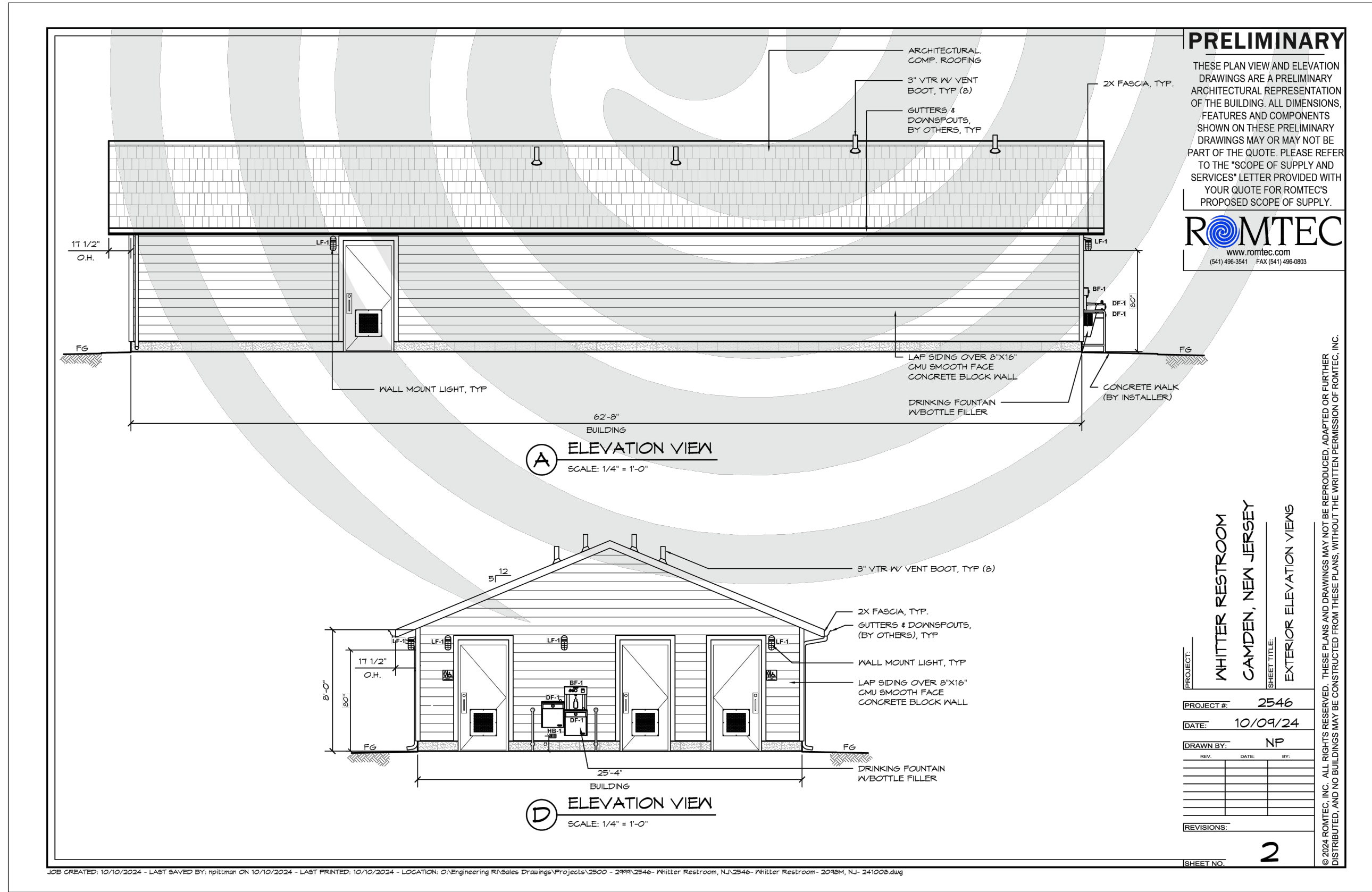
4 STORAGE SHED PLAN DETAIL
NOT TO SCALE

NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN

NOT FOR CONSTRUCTION

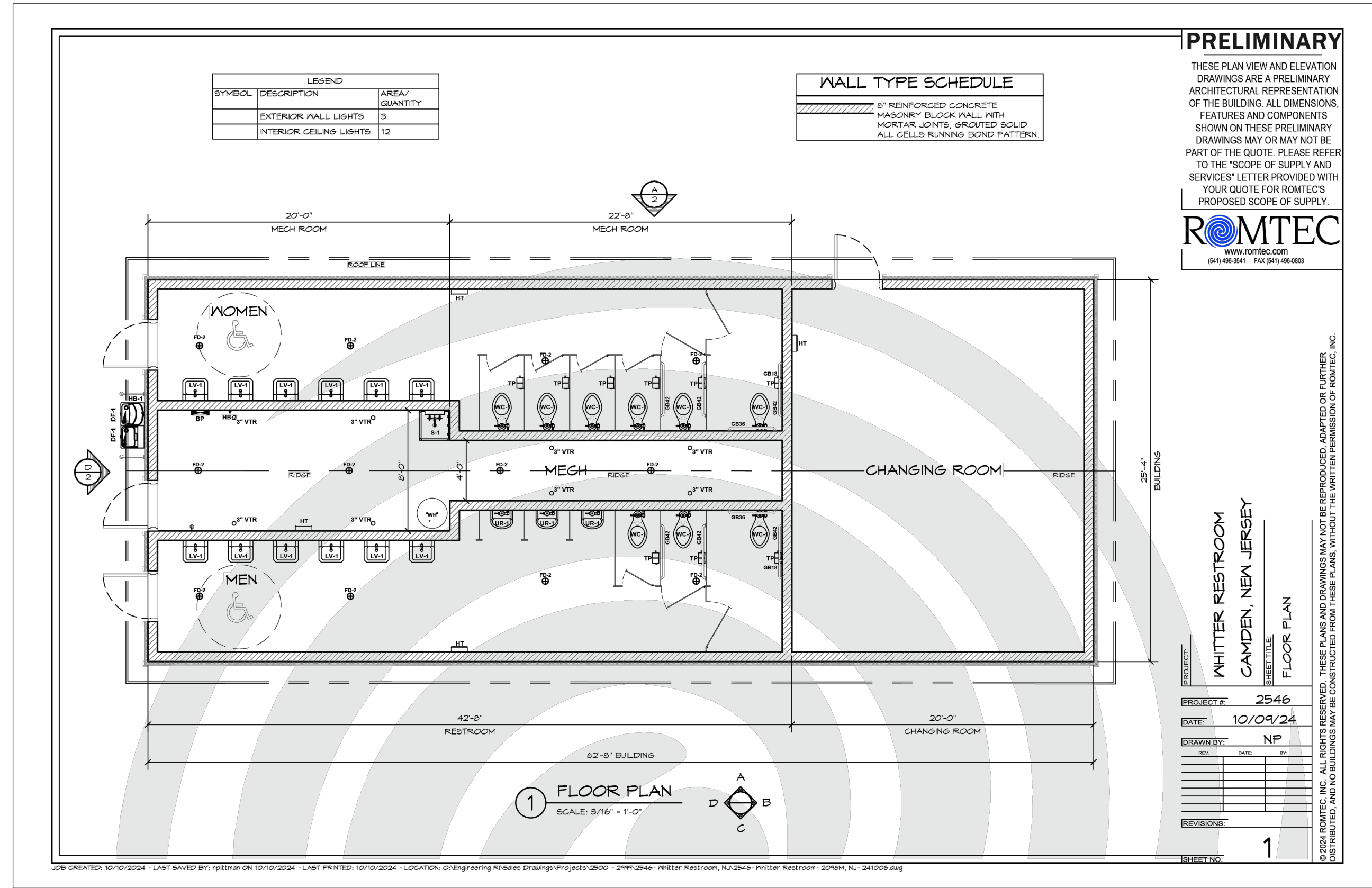
NO.	DATE	REVISIONS	BY
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PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	N.T.S.
DRAWN BY	BF
APPROVED BY	JJR
CS6006	
SHEET	25 OF 39



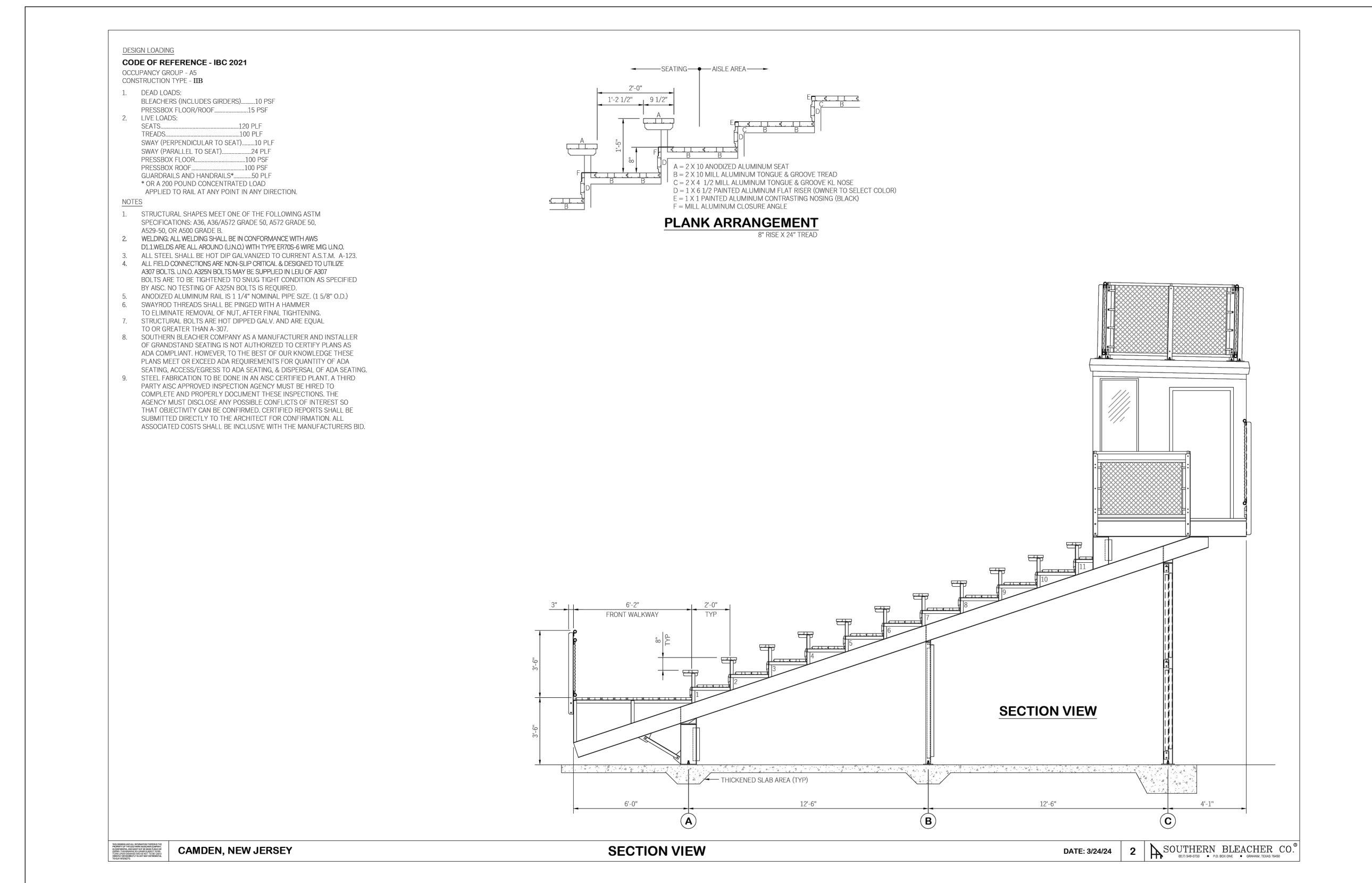
- NOTES:**
- CONTRACTOR TO COORDINATE DESIGN WITH MANUFACTURER REGARDING HVAC, MECHANICAL, ELECTRICAL, UTILITIES AND PLUMBING.
 - CONTRACTOR TO INTALL VAPOR BARRIER UNDER SLAB.

1 BATHROOM DETAIL
NOT TO SCALE

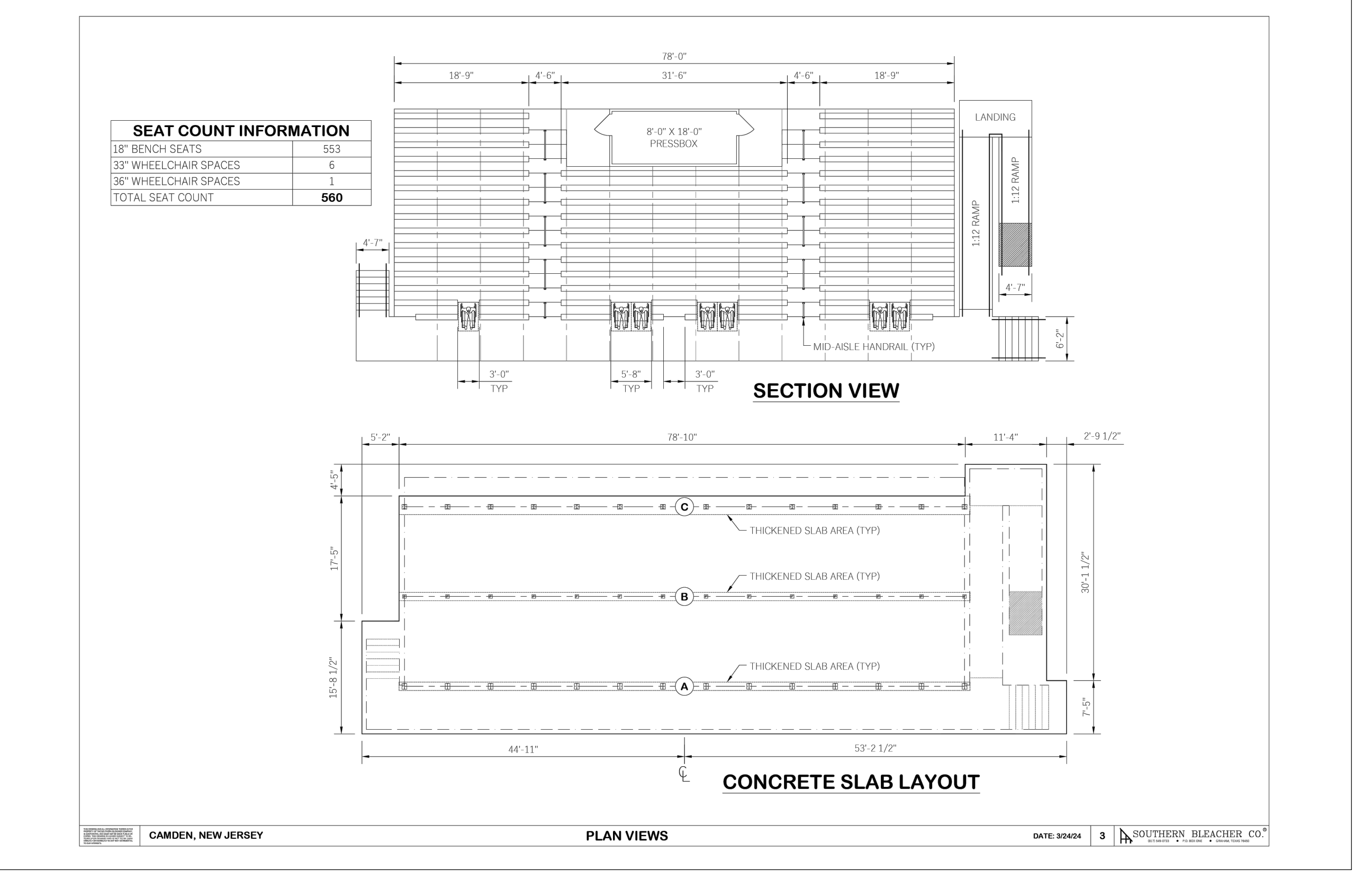


- NOTES:**
- CONTRACTOR TO COORDINATE DESIGN WITH MANUFACTURER REGARDING HVAC, MECHANICAL, ELECTRICAL, UTILITIES AND PLUMBING.
 - CONTRACTOR TO INTALL VAPOR BARRIER UNDER SLAB.

2 BATHROOM DETAIL
NOT TO SCALE



3 BLEACHER SECTION VIEW DETAIL
NOT TO SCALE



4 BLEACHER PLAN VIEW DETAIL
NOT TO SCALE

NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN
NOT FOR CONSTRUCTION

PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856 668 8600
NJ COA NO. CA28033300

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

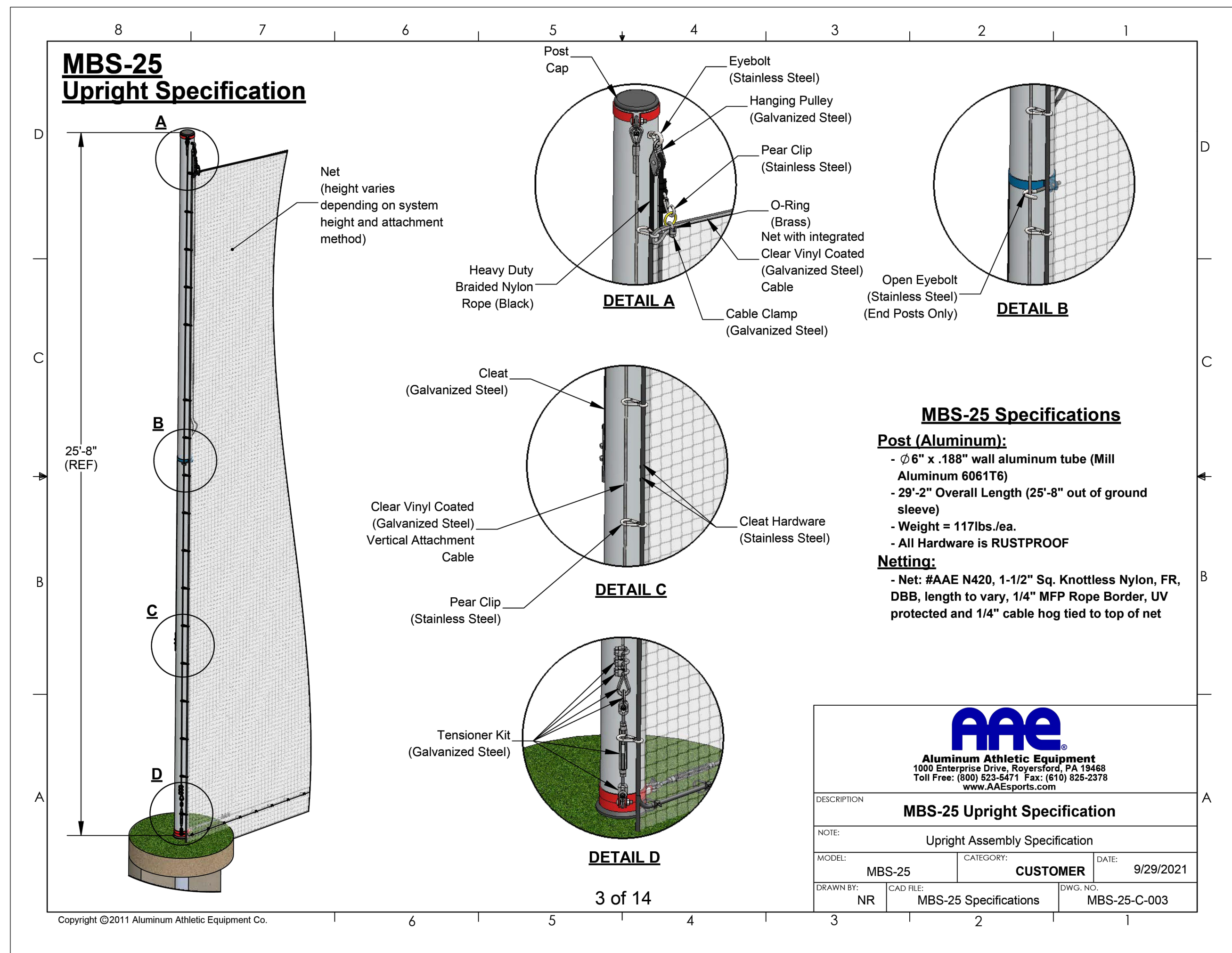
CONSTRUCTION DETAILS VII
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788

11/15/24

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

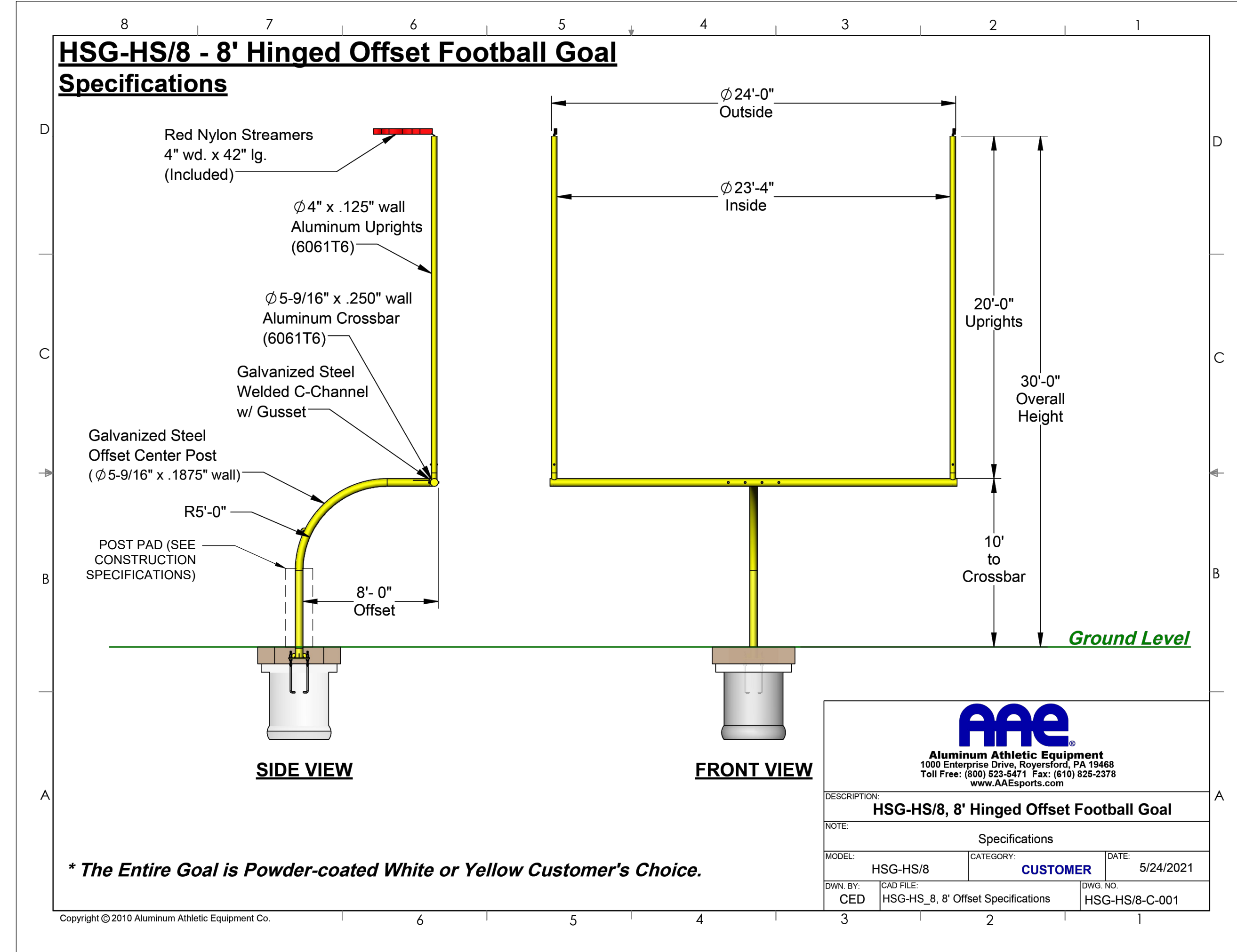
PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	N.T.S.
DRAWN BY	BF
APPROVED BY	JJR
CS6007	
SHEET	26 OF 39



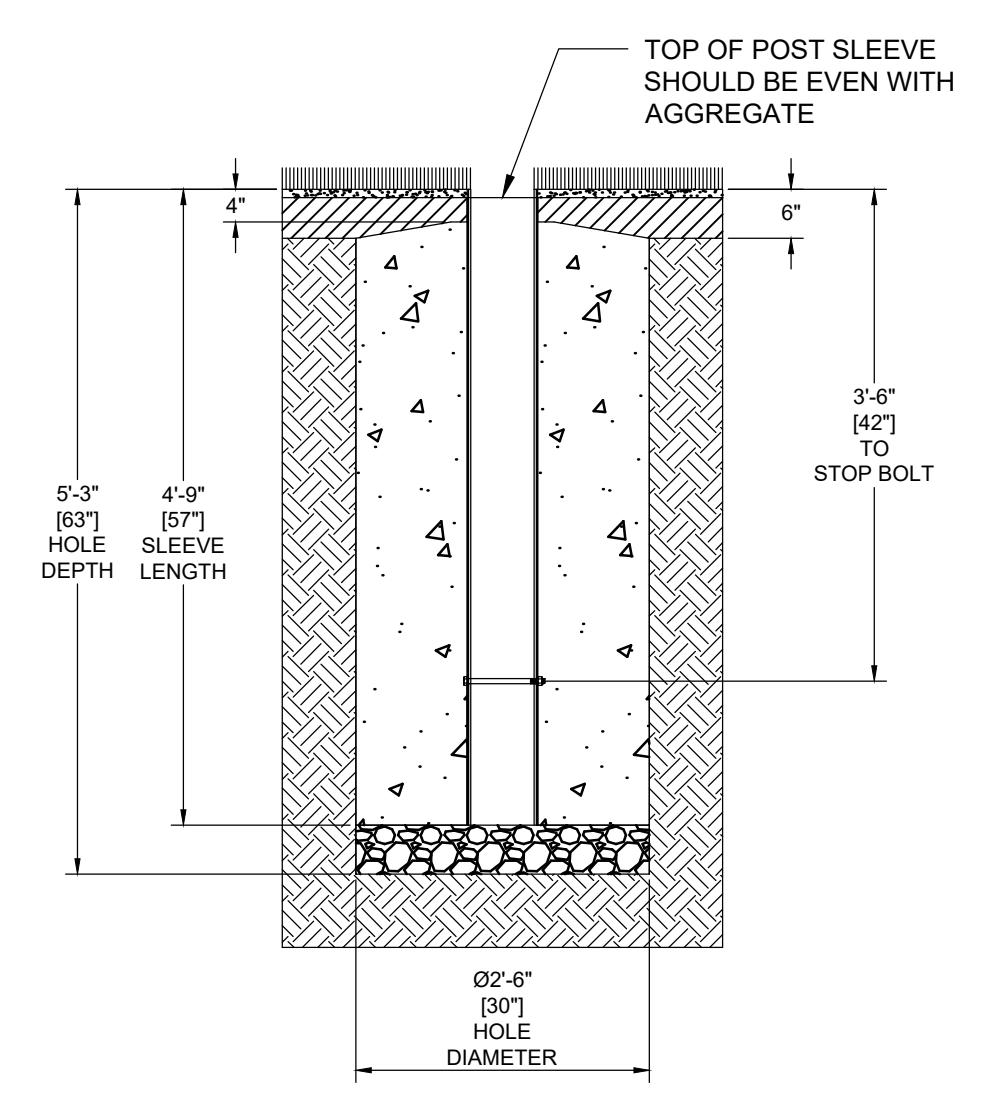
NOTES:

- CONTRACTOR TO REFER TO SPECIFICATIONS FOR INSTALLATION.
- CONTRACTOR TO INSTALL POST/GROUNDSLEEVE FULLY SEATED.

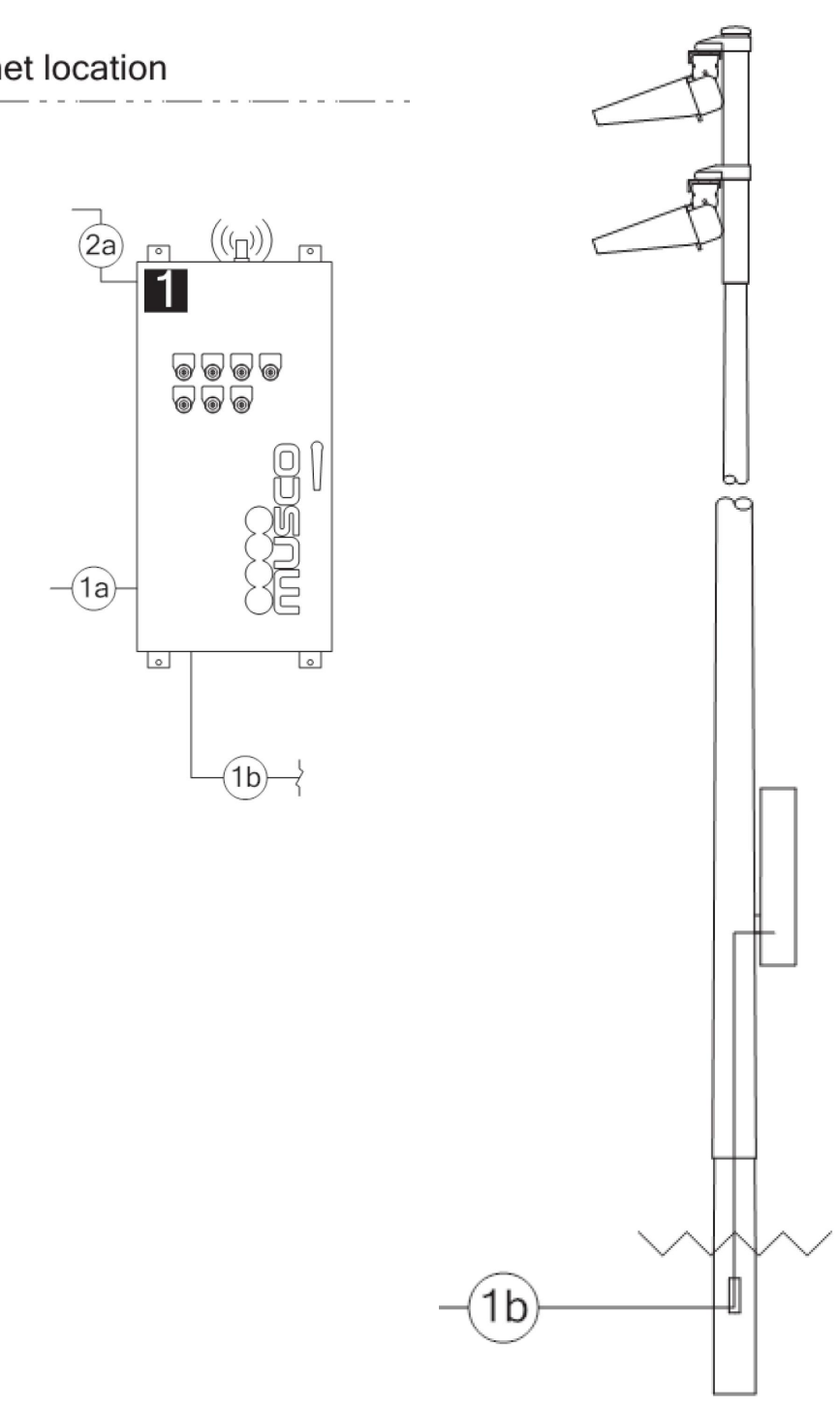
1 25' HIGH MULTI-SPORT BALLSTOPPER SYSTEM DETAIL
NOT TO SCALE



2 FOOTBALL GOAL DETAIL
NOT TO SCALE



Control cabinet location



Lighting System

Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
F1-F4	70'	7'	7	TLC-LED-1500	9.87 kW	A
		16'	2	TLC-8T-575	1.15 kW	A
			36		44.08 kW	

Circuit Summary						
Circuit	Description	Load	Fixture Qty			
A	Football	44.08 kW	36			

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-8T-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	8
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	28

Single Luminaire Amperage Draw Chart (90 min power factor)							
Driver Specifications	Line Amperage Per Luminaire (max draw)						
	208	220	240	277	347	380	480
Single Phase Voltage	(60)	(60)	(60)	(60)	(60)	(60)	(60)
TLC-8T-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6

Light Level Summary									
Calculation Grid Summary			Illumination						
Grid Name	Calculation Metric	Ave	Min	Max	Max/Min	Ave/Min	Circuits	Fixture Qty	
Football	Horizontal Illuminance	53.39	40	62	1.54	1.30	A	36	
Soccer	Horizontal Illuminance	51.85	40	61	1.51	1.29	A	36	
Zero Grid	Horizontal Illuminance	8.63	0	66	-	-	A	36	

Whittier Field
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

CONSTRUCTION DETAILS VIII

KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

Pennoni
PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856 668 8600
NJ COA NO. G428033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
NJ CERTIFICATE OF AUTHORIZATION NO. G428033300

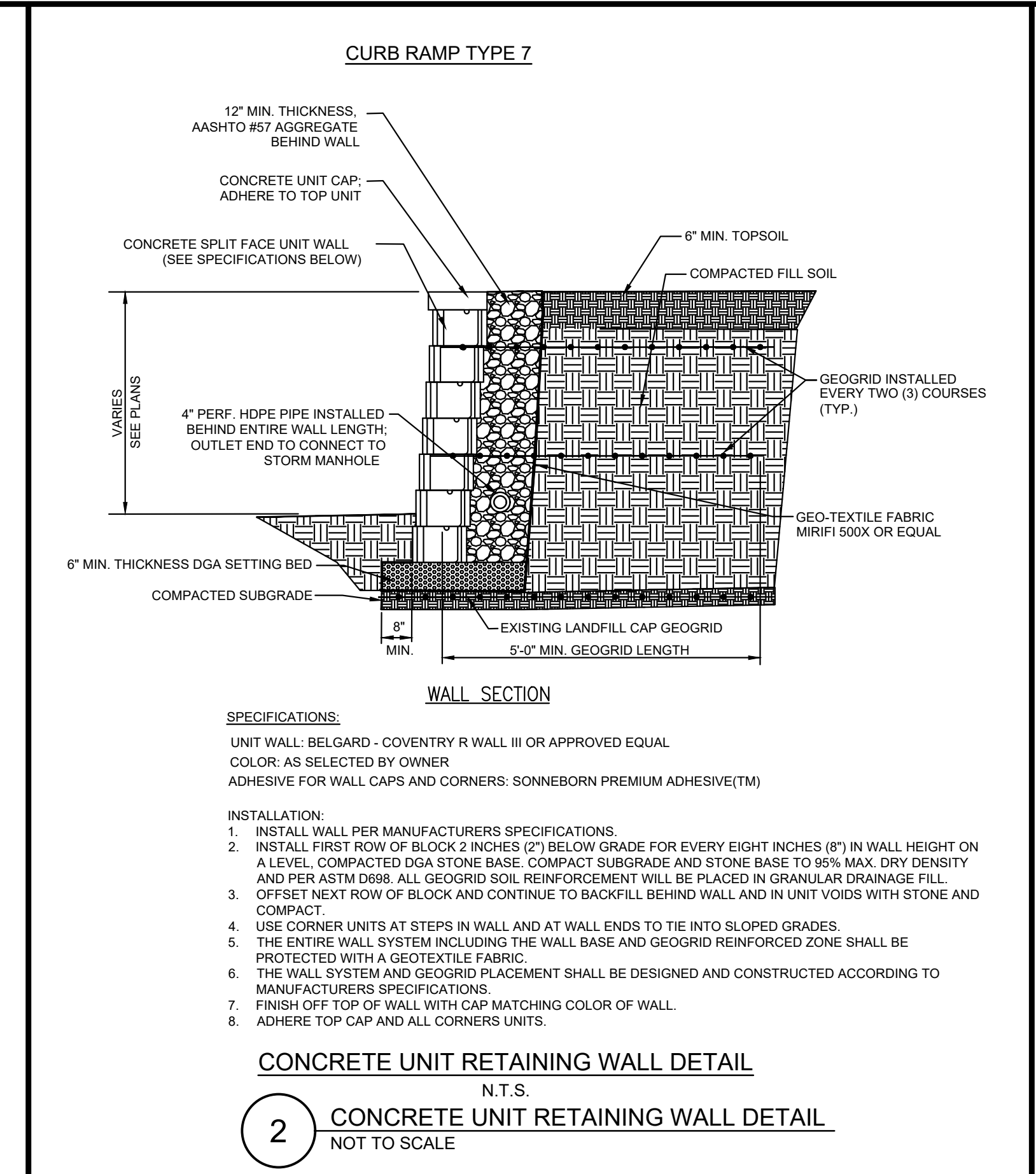
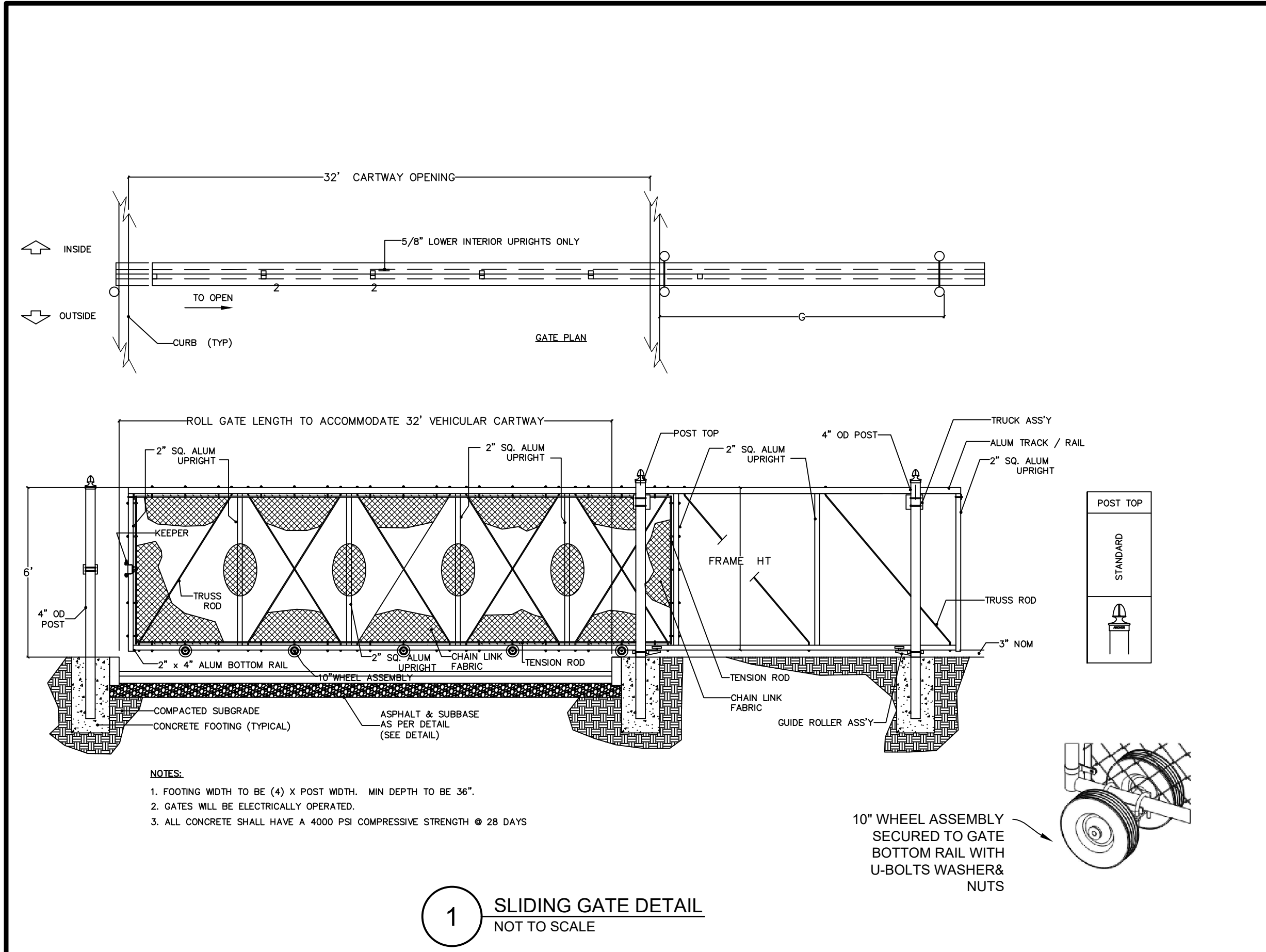
JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788
11/15/24

PROJECT: KCNAX23001
DATE: MAY 17, 2024
DRAWING SCALE: N.T.S.
DRAWN BY: BF
APPROVED BY: JUR

CS6008
SHEET 27 OF 39

NOT FOR CONSTRUCTION

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Pennon

PENNON ASSOCIATES INC.
 2 Aquantum Drive, Suite 320
 Camden, NJ 08103
 T 856.668.8600
 NJ COA NO. G428033300

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JOSEPH RADAY
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. GE043788

11/15/24

WHITTIER FIELD
 7TH AVENUE & KAIGHN AVENUE
 CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

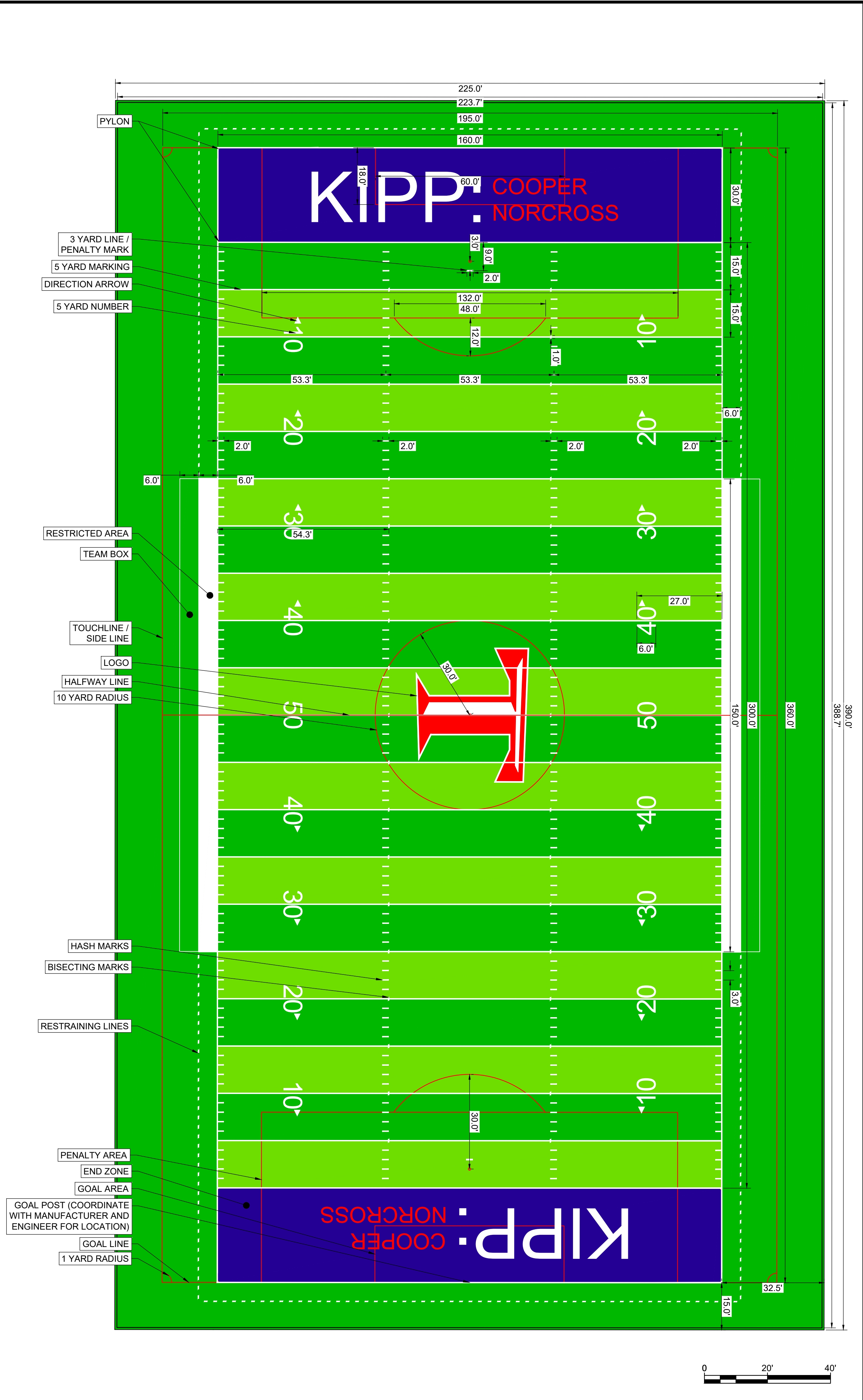
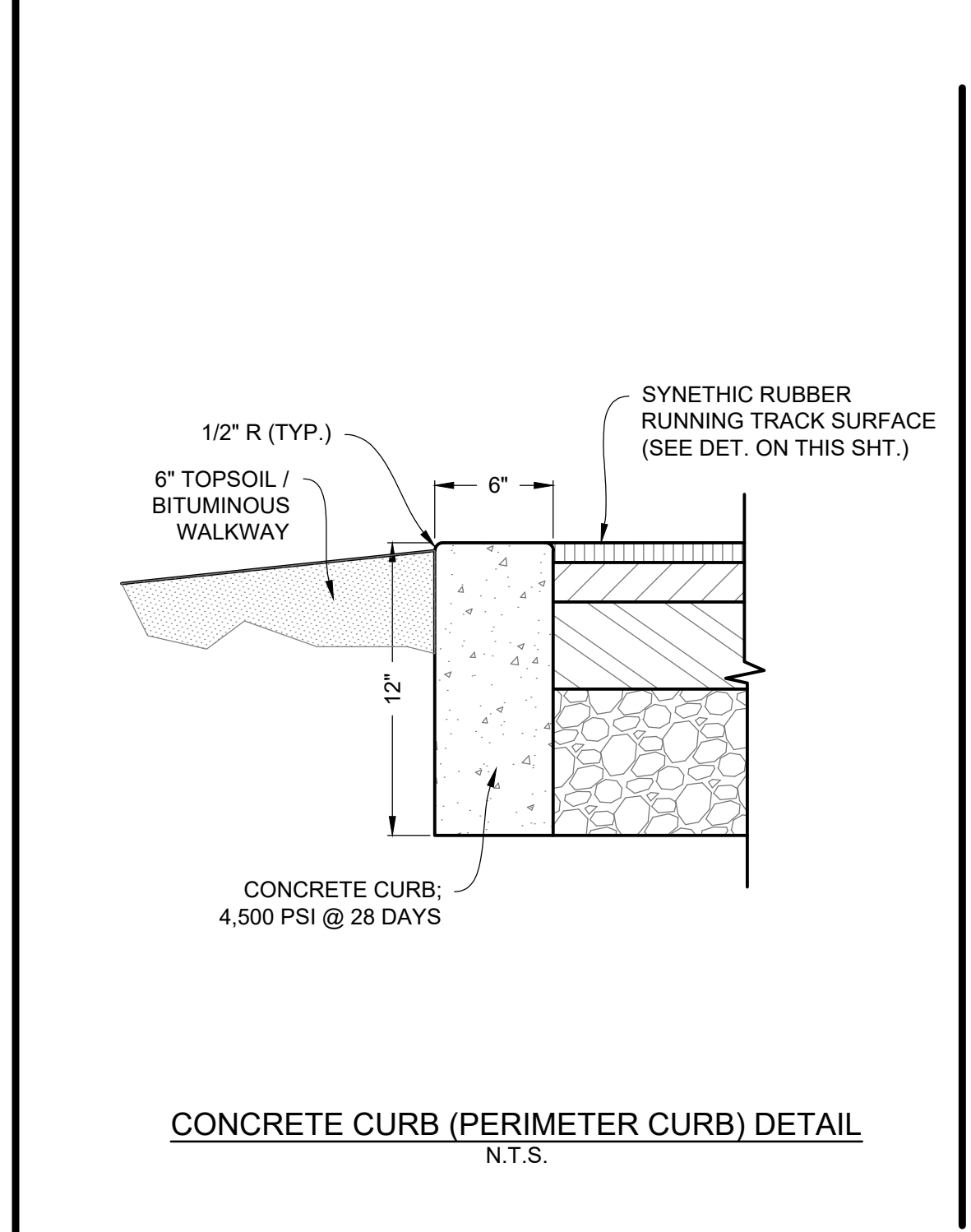
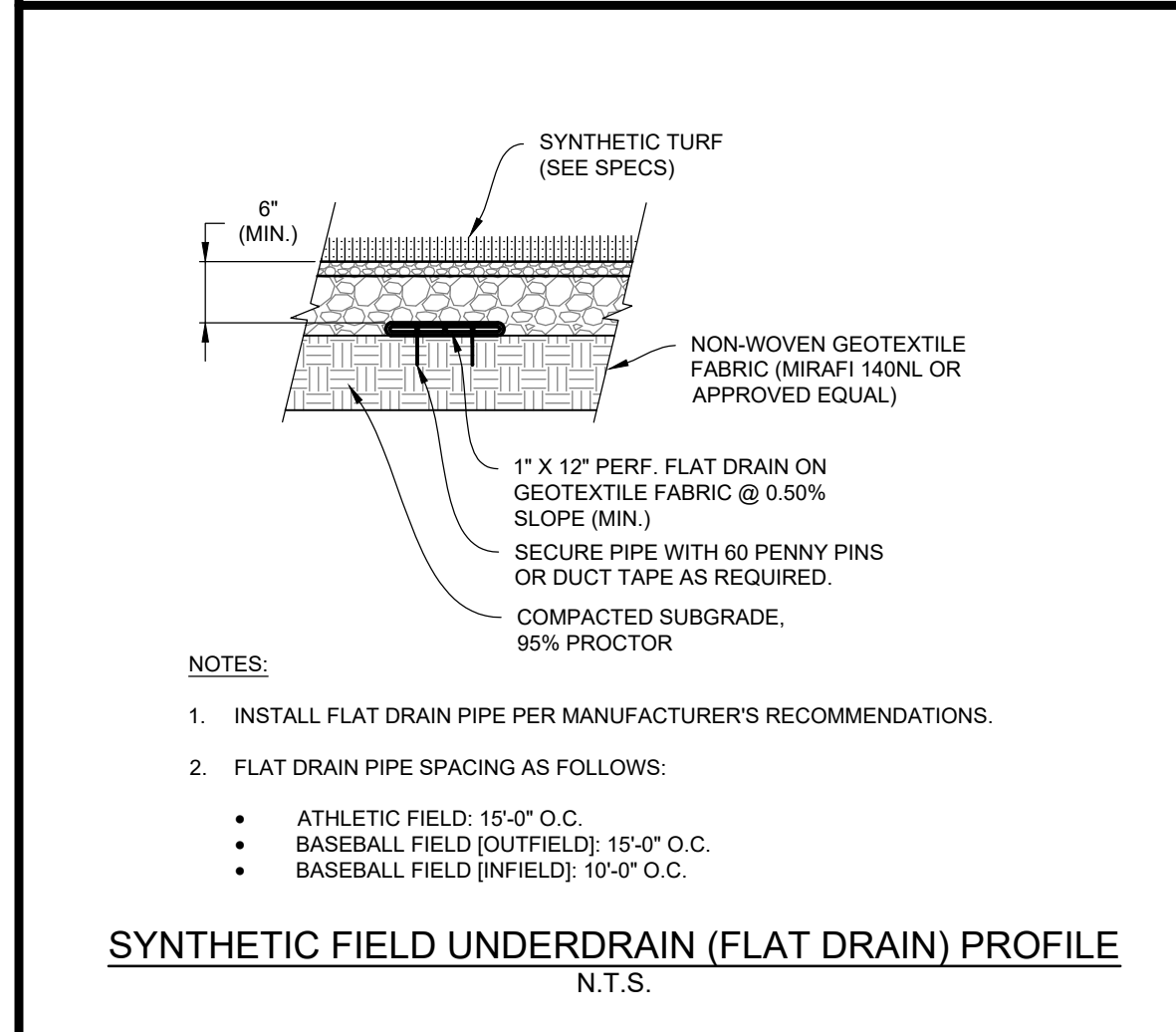
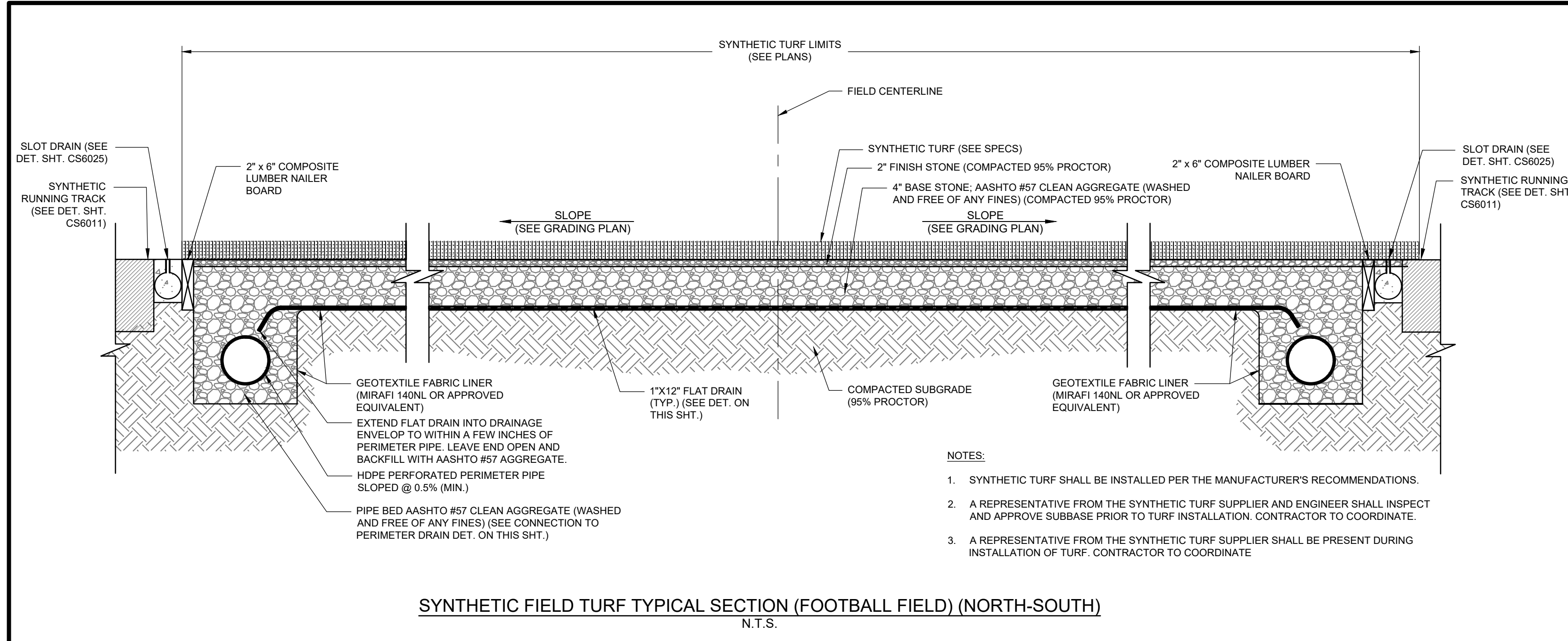
CONSTRUCTION DETAILS IX

KIPP COOPER NORCROSS, INC.
 60 PARK PLACE, SUITE 802
 NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	1/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

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PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	N.T.S.
DRAWN BY	BF
APPROVED BY	JJR



PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
NJ COA NO. G28033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK. NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788

J. Raday 11/15/24

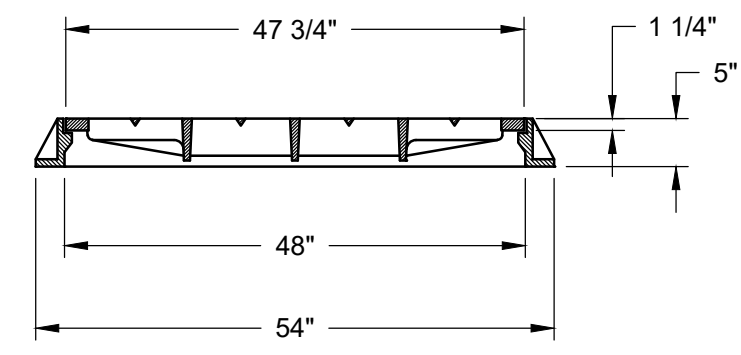
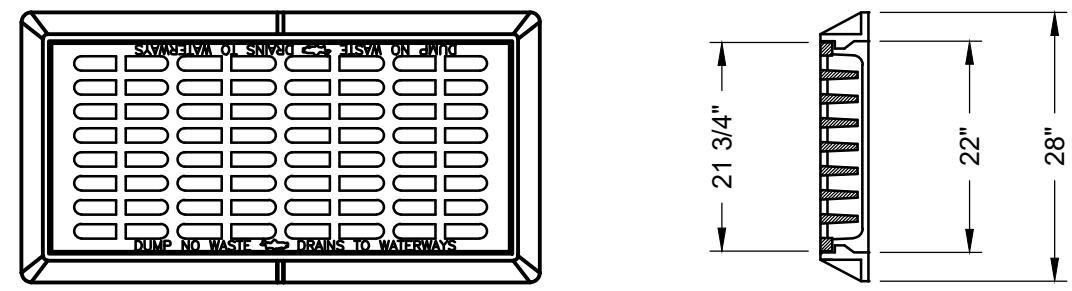
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

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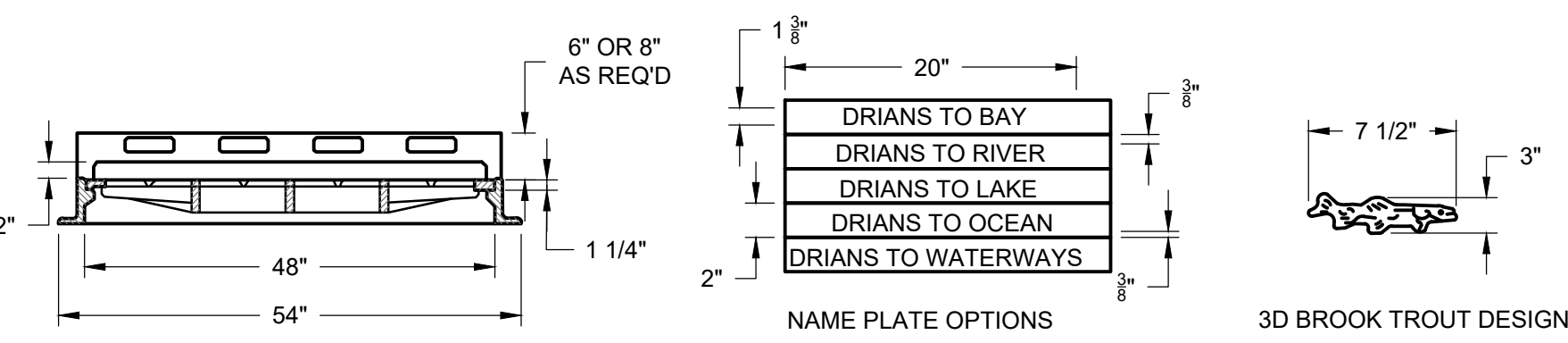
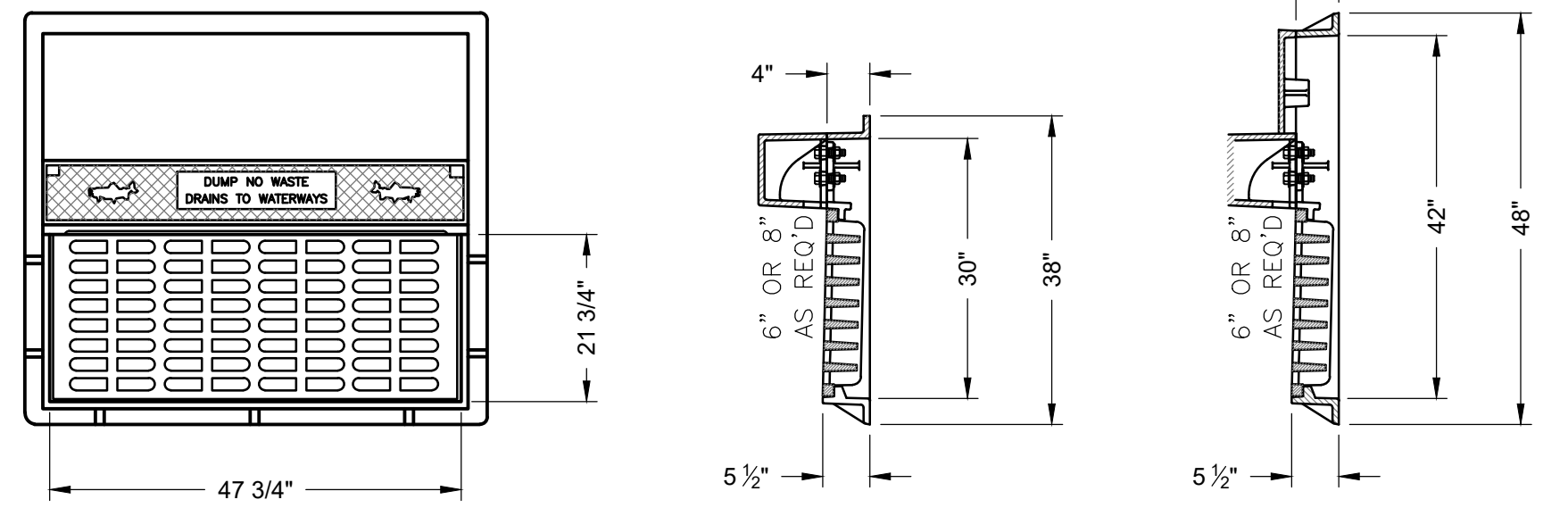
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DATE: MAY 17, 2024
DRAWING SCALE: AS NOTED
DRAWN BY: BF
APPROVED BY: JUR

CS6010

SHEET 29 OF 39



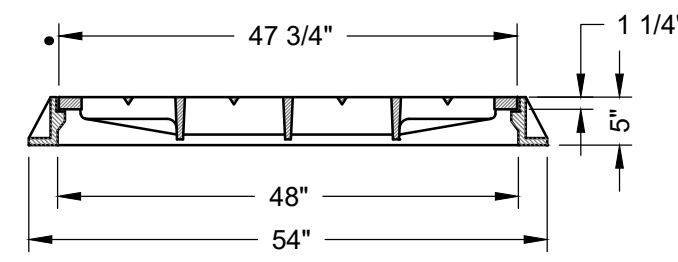
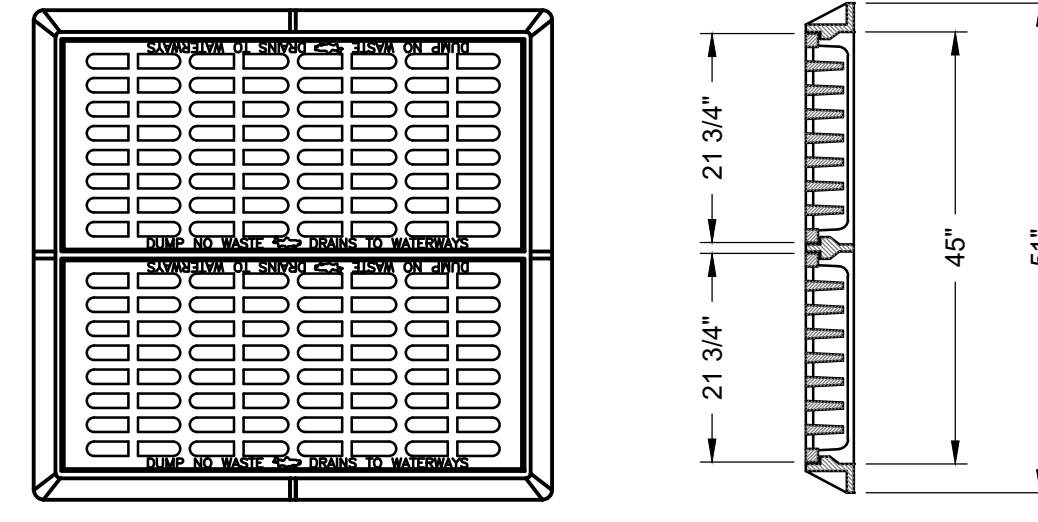
PATTERN No. 2617 AS
MANUFACTURED BY CAMPBELL
BRIDGESTATE FOUNDRY COMPANY
(ECO GRATE)



- NOTES:
- MATERIAL: GRAY CAST IRON ASTM A48-83, CLASS JOB.
 - AASHTO HS20-44 HIGHWAY LOADING.
 - SUPPLIED WITHOUT SURFACE COATING.
 - GRATE TO BE BRIDGESTATE FOUNDRY CORPORATION #2618 OR APPROVED EQUAL.

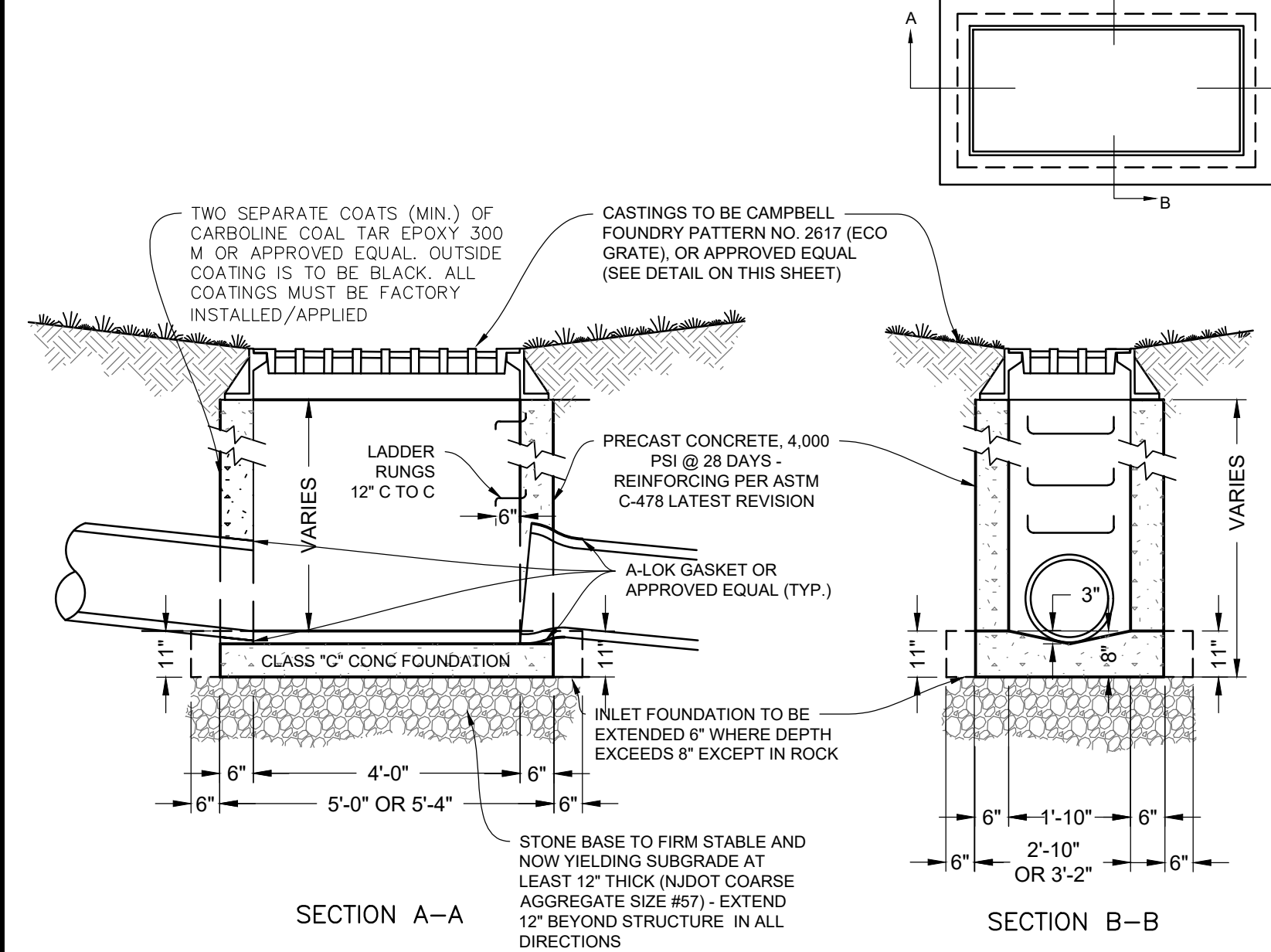
1 NJDOT TYPE "A" INLET WITH BICYCLE SAFE GRATES
NOT TO SCALE

2 TYPE "B" BICYCLE SAFE GRATE & TYPE "N-ECO" CURB PIECE
NOT TO SCALE

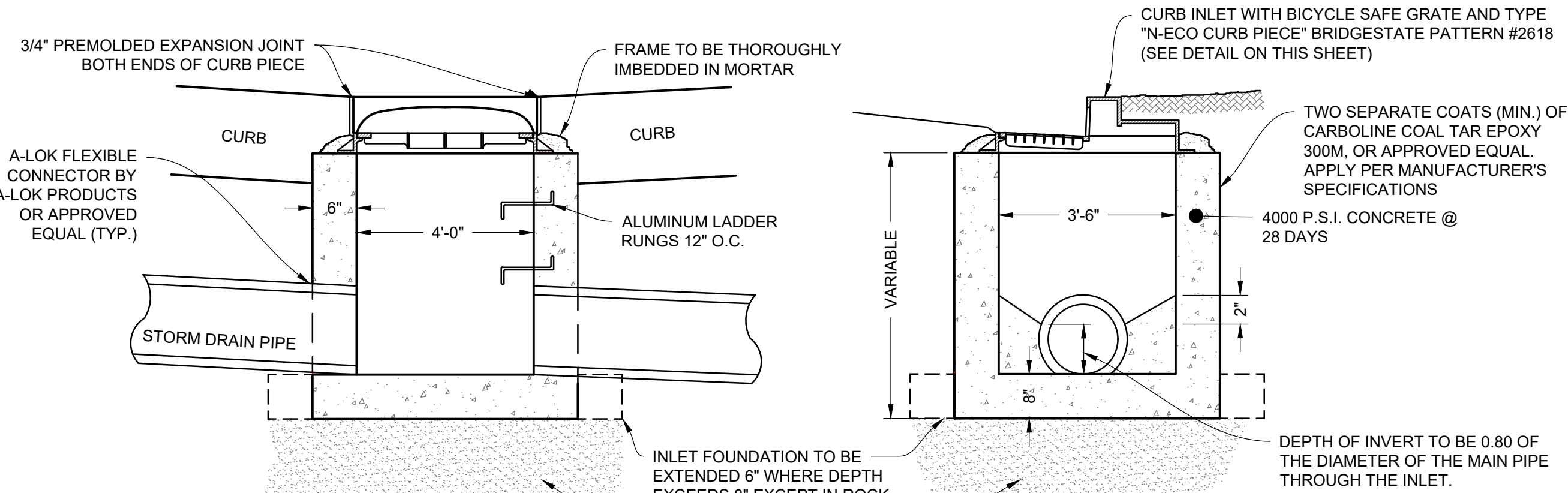


PATTERN No. 3425 AS MANUFACTURED BY
CAMPBELL BRIDGESTATE FOUNDRY
COMPANY (ECO GRATE)

3 NJDOT TYPE "E" BICYCLE SAFE INLET GRATE DETAIL
NOT TO SCALE

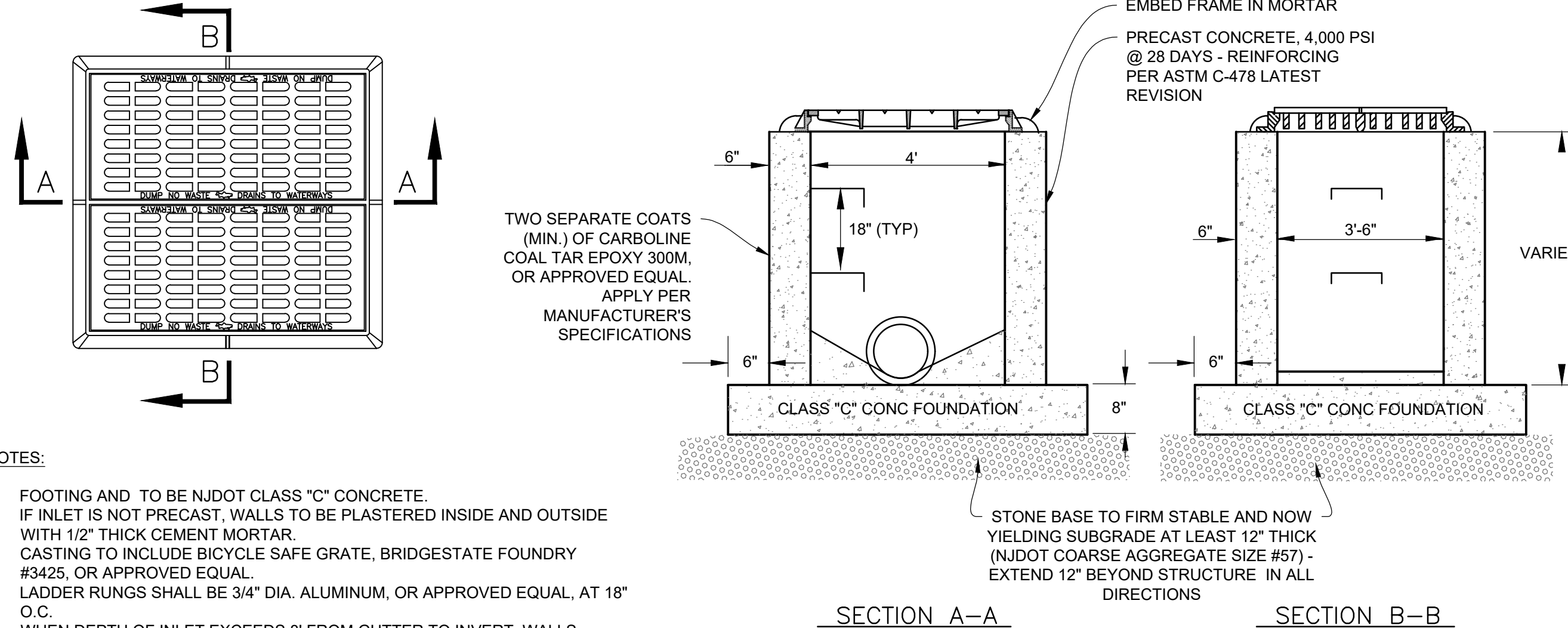


4 TYPE "A" INLET DETAIL
NOT TO SCALE



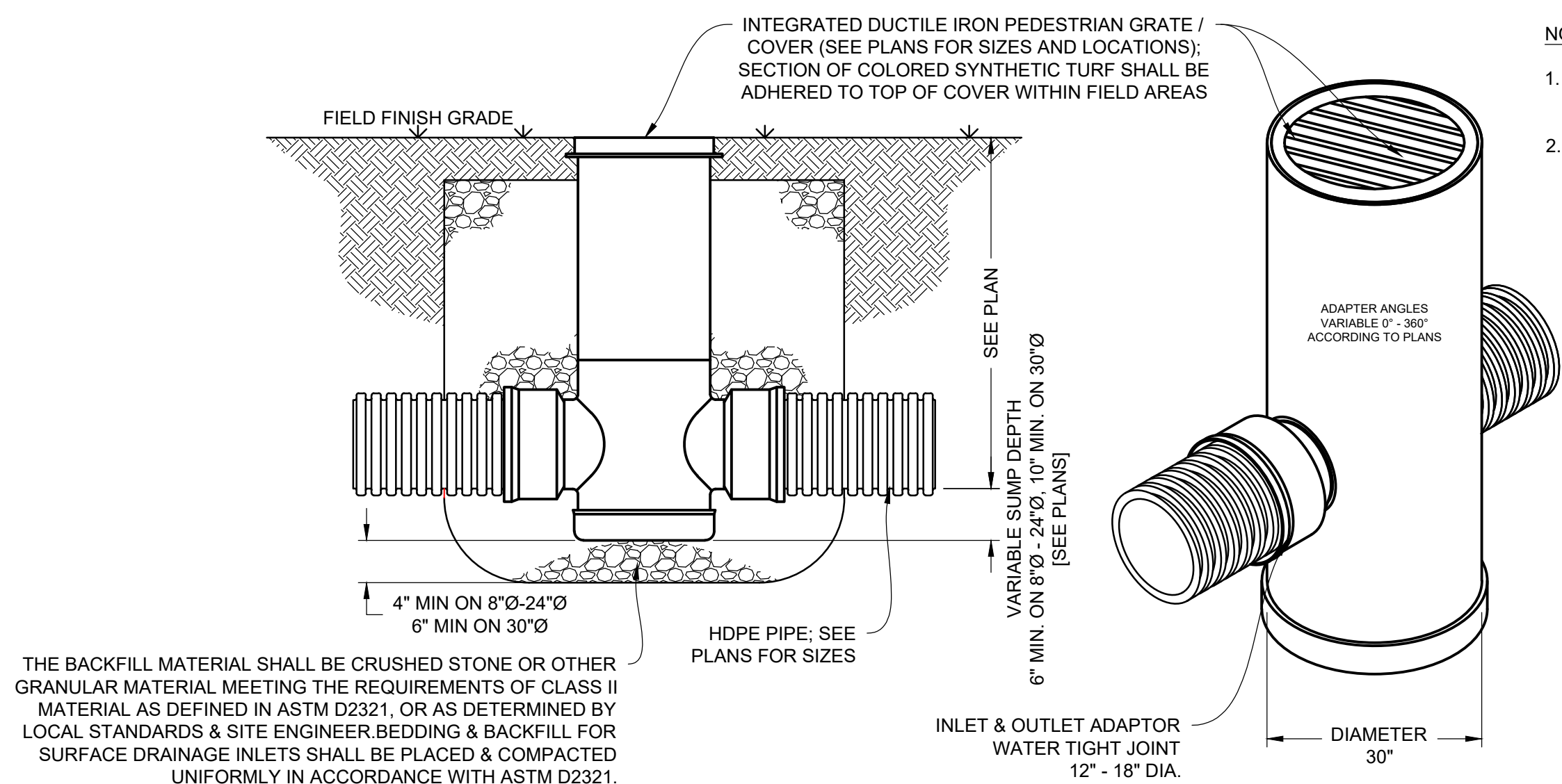
- NOTES:
- INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS. BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT A RATE OF GRADE OF 2 INCHES PER FOOT.
 - ALL INLETS TO BE PROVIDED WITH A 6" CURB PIECE.

5 TYPE "B" INLET DETAIL
NOT TO SCALE



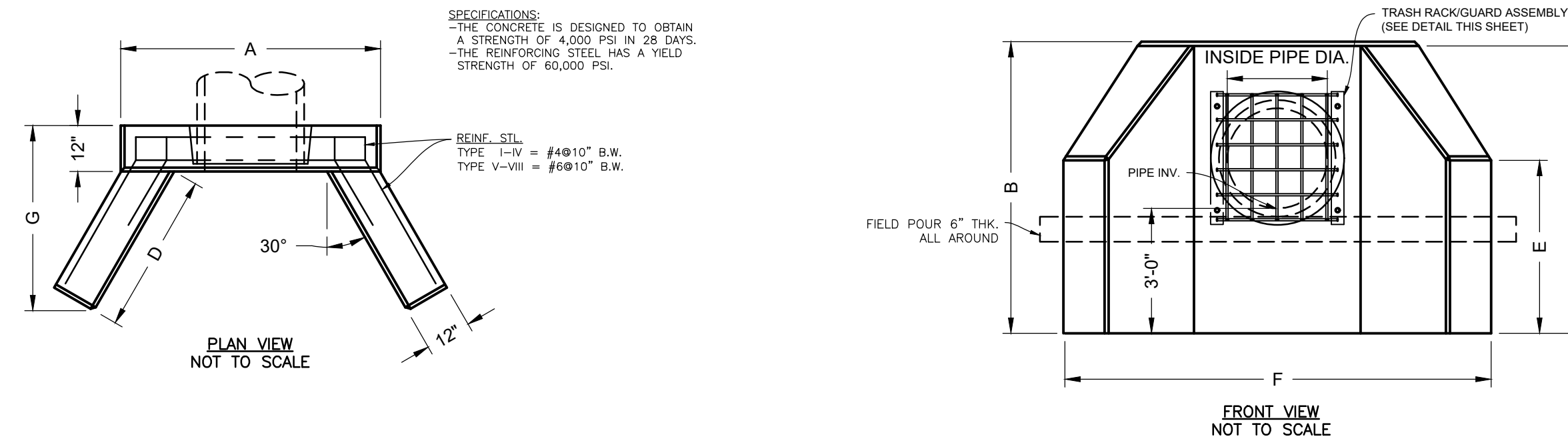
- NOTES:
- FOOTING AND TO BE NJDOT CLASS "C" CONCRETE.
 - IF INLET IS NOT PRECAST, WALLS TO BE PLASTERED INSIDE AND OUTSIDE WITH 1/2" THICK CEMENT MORTAR.
 - CASTING TO INCLUDE BICYCLE SAFE GRATE, BRIDGESTATE FOUNDRY #3425, OR APPROVED EQUAL.
 - LADDER RUNGS SHALL BE 3/4" DIA. ALUMINUM, OR APPROVED EQUAL, AT 18" O.C.
 - WHEN DEPTH OF INLET EXCEEDS 8" FROM GUTTER TO INVERT, WALLS SHALL BE INCREASED TO 8" THICK, FOUNDATION INCREASED TO 12" THICK.

6 NJDOT TYPE "E" INLET WITH BICYCLE SAFE GRATE DETAIL
NOT TO SCALE



- NOTES:
- DRAIN BASIN AS MANUFACTURED BY NYLOPLAST, OR APPROVED EQUIVALENT.
 - INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

7 NYLOPLAST AREA DRAIN BASIN DETAIL
NOT TO SCALE



TYPE	INSIDE PIPE DIA. (IN.)	WEIGHT (LB.)	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	F (IN.)	G (IN.)
I	12-15	6670	56	63	63	30	51	86	38
II	18-21	9350	64	69	69	42	57	106	49
III	24-27	12060	68	75	75	54	63	122	59
IV	30-36	17270	79	84	84	72	72	151	75
* V	42	29980	111	96	93	84	83	172	85
* VI	48	35320	118	103	99	96	89	192	95
* VII	54-60	47370	132	116	112	120	102	242	116
* VIII	72	61770	148	130	126	144	116	286	137

TYPE MARKED BY * INDICATES WALL MAY BE FABRICATED IN (3) PIECES

8 PRECAST CONCRETE HEADWALL DETAIL
NOT TO SCALE

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NOT FOR CONSTRUCTION

Pennoni
PENNONI ASSOCIATES INC.
2 Aquantum Drive, Suite 320
Camden, NJ 08103
T 856.668.8600
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JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788
11/15/24

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

DRAINAGE AND WATER MAIN DETAILS I

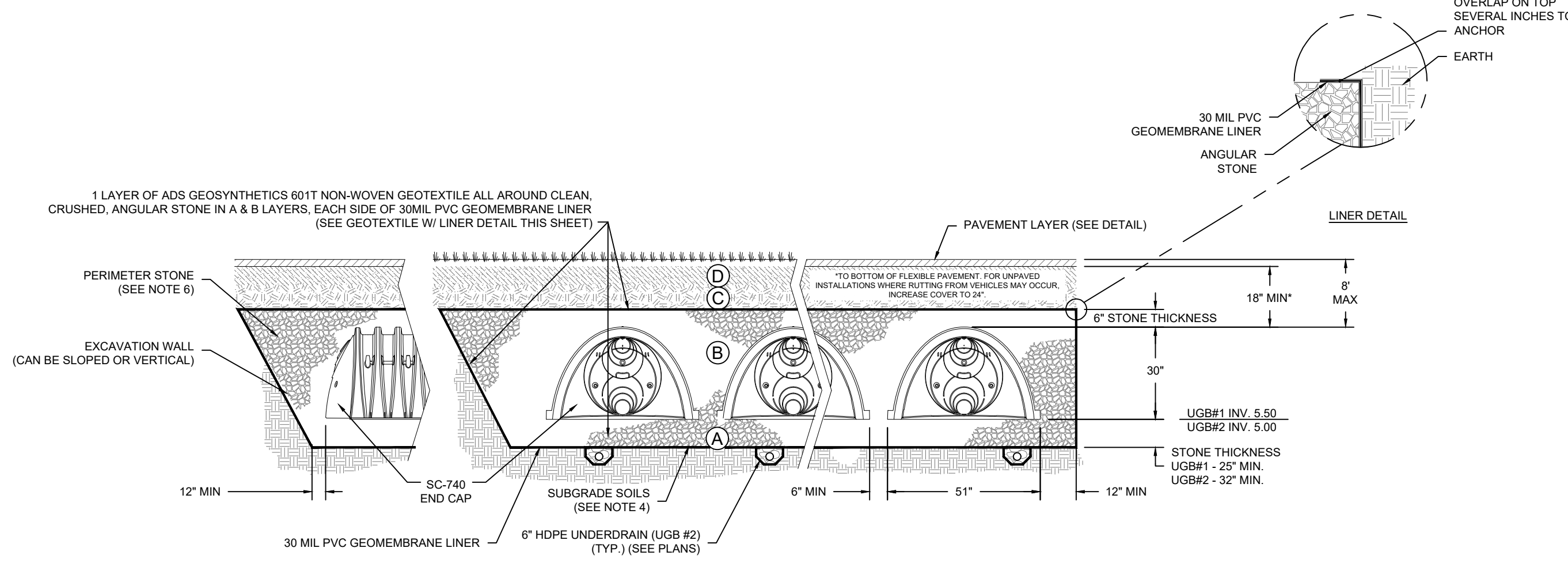
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

PROJECT: KCNAX23001
DATE: MAY 17, 2024
DRAWING SCALE: N.T.S.
DRAWN BY: BF
APPROVED BY: JUR
CS6021
SHEET 30 OF 39

PLOTTED: 11/14/2024 11:13 AM BY: Eduardo Robles PLOTSTYLE: Pennoni V02.dwg
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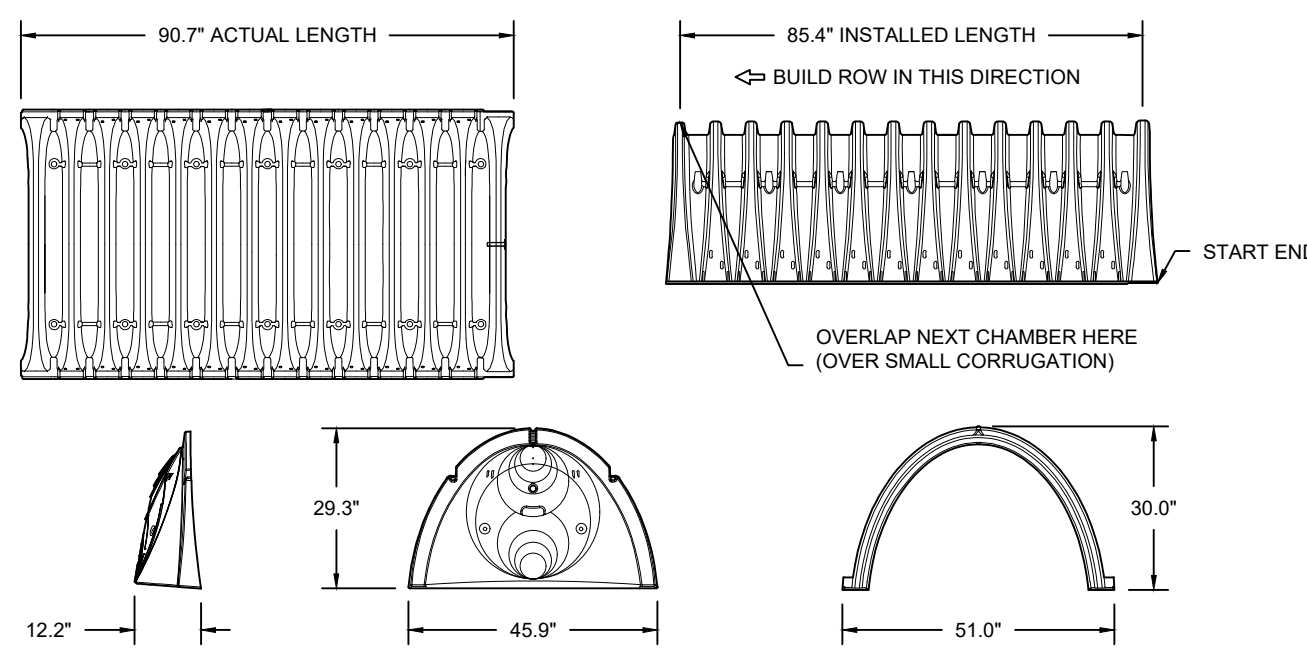
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MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2, A-3 OR AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" MAX LIFTS TO A MIN 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 90% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs. DYNAMIC FORCE NOT TO EXCEED 20,000 lbs.
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SURGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. 1"

- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE."
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGN, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS [UGB-1]



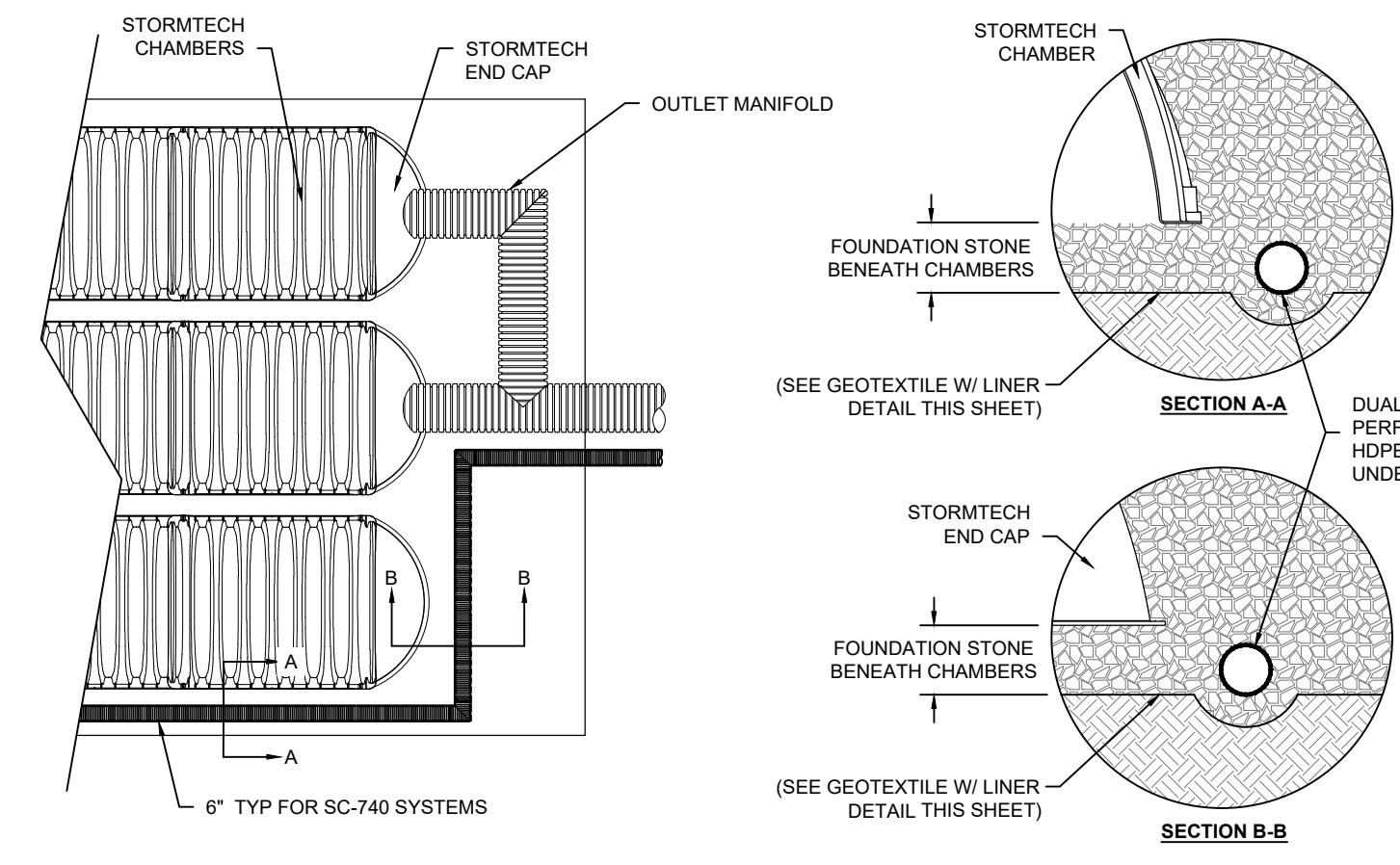
PART #	STUB	A	B	C
SC740EP06T / SC740EP06TPC	6"	10.9"	18.5"	---
SC740EP08T / SC740EP08TPC	8"	12.2"	16.5"	0.5"
SC740EP08B / SC740EP08BPC	---	---	---	0.6"
SC740EP10T / SC740EP10TPC	10"	13.4"	14.5"	---
SC740EP10B / SC740EP10BPC	---	---	---	0.7"
SC740EP12T / SC740EP12TPC	12"	14.7"	12.5"	---
SC740EP12B / SC740EP12BPC	---	---	---	1.2"
SC740EP15T / SC740EP15TPC	15"	18.4"	9.0"	---
SC740EP15B / SC740EP15BPC	---	---	---	1.3"
SC740EP18T / SC740EP18TPC	18"	19.7"	5.0"	---
SC740EP18B / SC740EP18BPC	---	---	---	1.6"
SC740EP24B ¹	24"	18.5"	---	0.1"

ALL STUBS, EXCEPT FOR THE SC740EP24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

¹ FOR THE SC740EP24B THE 24" STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75". BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

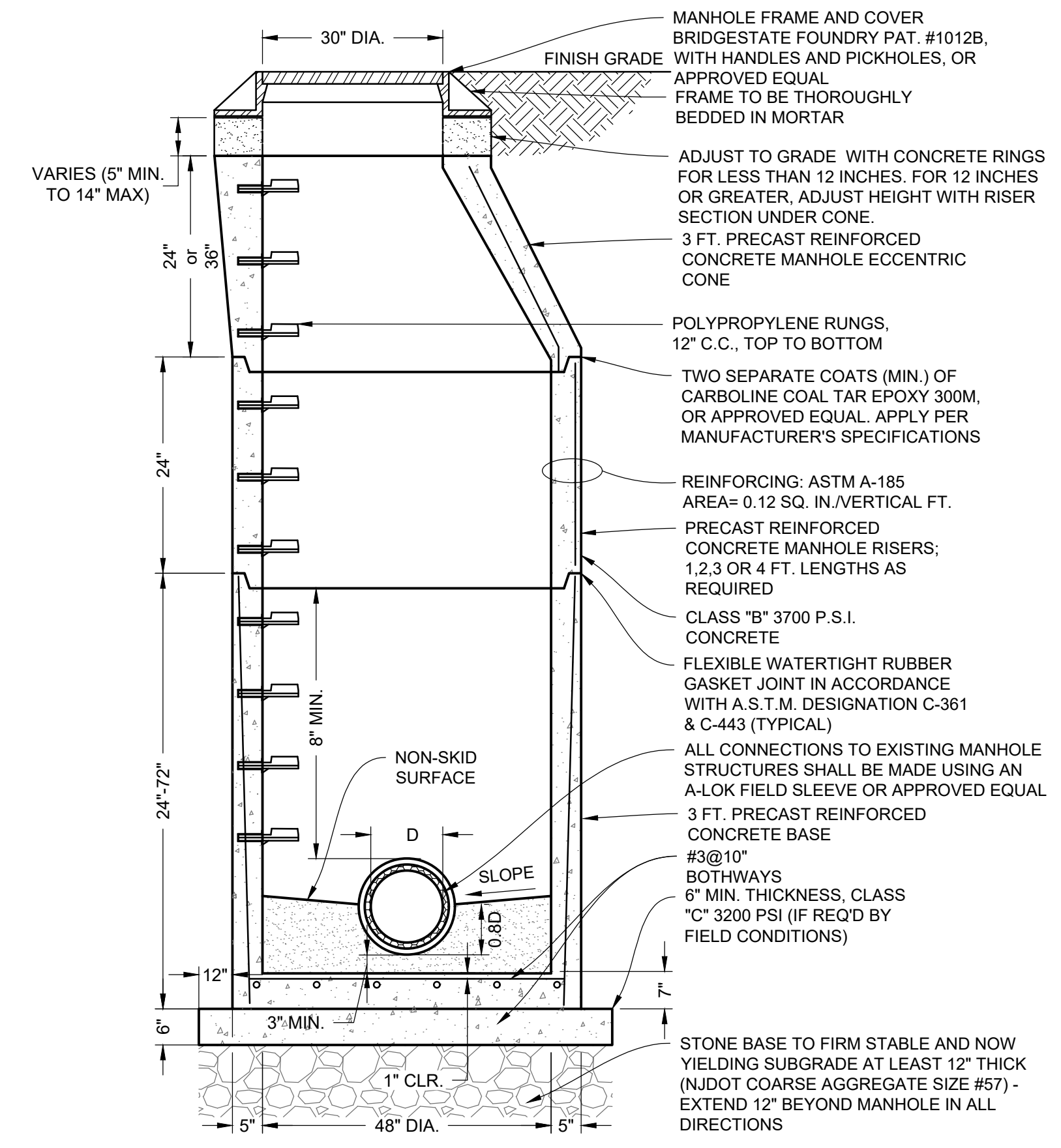
NOTE: ALL DIMENSIONS ARE NOMINAL

SC-740 [UGB-1] TECHNICAL SPECIFICATION
NTS



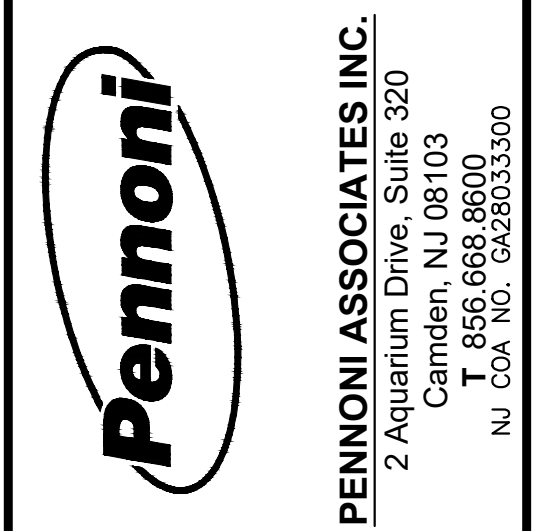
UNDERDRAIN DETAIL
NTS

1 UGB-1 [SC-740] AND UGB-2 [MC-3500] SUBSURFACE DETENTION BASIN DETAILS
NOT TO SCALE



- NOTES:
- PRECAST MANHOLE IN ACCORDANCE WITH A S.T.M DESIGNATION C-478. MINIMUM COMPRESSIVE STRENGTH 4000 P.S.I. (TYP.) MANHOLE TO BE MANUFACTURED BY ATLANTIC CONCRETE, OR APPROVED EQUAL.
 - ALL MANHOLES NOT LOCATED IN CROWN OF ROAD SHALL BE CONSTRUCTED WATERTIGHT WITHOUT THE USE OF A RUBBER GASKET. WATER TIGHTNESS MAY BE ACHIEVED BY DISH SHAPED INSERTS, WATERTIGHT CASTING, OR APPROVED EQUAL. DISH SHAPED WATERTIGHT INSERT SHALL BE SUPPLIED, TWO PER MANHOLE.
 - SMOOTH CONCRETE CHANNEL WITH DEPTH EQUAL TO 0.80 TIMES THE DIA. OF THE MAIN SEWER FOR SIZES 8" TO 15" AND 0.50 TIMES THE DIA. FOR SIZES 16" AND ABOVE. (USE CLASS C CONCRETE).
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING ADEQUATE BALLAST TO OFFSET FLOATION FORCES ACTING ON MANHOLES INSTALLED IN WET AREAS. PROVIDE CALCULATIONS WITH SUBMITTAL SIGNED AND SEALED BY N.J.P.E.
 - POLYPROPYLENE RUNGS, WITH GRADE 60 STEEL REINFORCEMENT AND TEETH AND SIDE CLEATS, AS MANUFACTURED BY MA INDUSTRIES. STEEL RUNGS NOT ALLOWED, FOR MANHOLES GREATER THAN 15'-0" DEEP. APPLICANT SHALL CONTACT CCMUA FOR SPECIFIC MANHOLE REQUIREMENTS. ALL OSHA REQUIREMENTS MUST BE MET.
 - ANY MANHOLE REQUIRING LINING SHALL HAVE MANHOLE RUNGS REMOVED AND HAVE A COMPOSITE LADDER INSTALLED.
 - PROVIDE WRAPIDSEAL MANHOLE ENCAPSULATION SYSTEM, AS MANUFACTURED BY CANUSA-CPS, AROUND FRAME AND GRADE RINGS FOR ALL MANHOLES AND AROUND ALL RISER JOINTS. INSTALLATION SHALL BE PROVIDED IN ACCORDANCE WITH ALL OF MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS. WHERE APPLICABLE, THE MANHOLE INTERIOR SHALL BE LINED WITH AN APPROVED CIP (GEOPOLYMER) LINER.
 - MANHOLE FRAME SHALL BE LAID IN 1-INCH OF MORTAR AND HAVE 1-INCH MORTAR AROUND THE RIM.
 - THERE SHALL BE NO CHANGE IN FLOW DIRECTION GREATER THAN 90 DEGREES.
 - THE FLEXIBLE CONNECTIONS SHALL BE A-LOK FLEXIBLE CONNECTOR BY A-LOK PRODUCTS, OR APPROVED EQUAL, DESIGNED TO MEET THE REQUIREMENTS OF ASTM C-1478. *STORM DRAIN RESILIENT CONNECTORS BETWEEN REINFORCED CONCRETE STORM SEWER STRUCTURES, PIPES, AND LATERALS.*

2 48" DIA. STORM MANHOLE DETAIL
NOT TO SCALE



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JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043768

11/15/24

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

DRAINAGE AND WATER MAIN DETAILS II

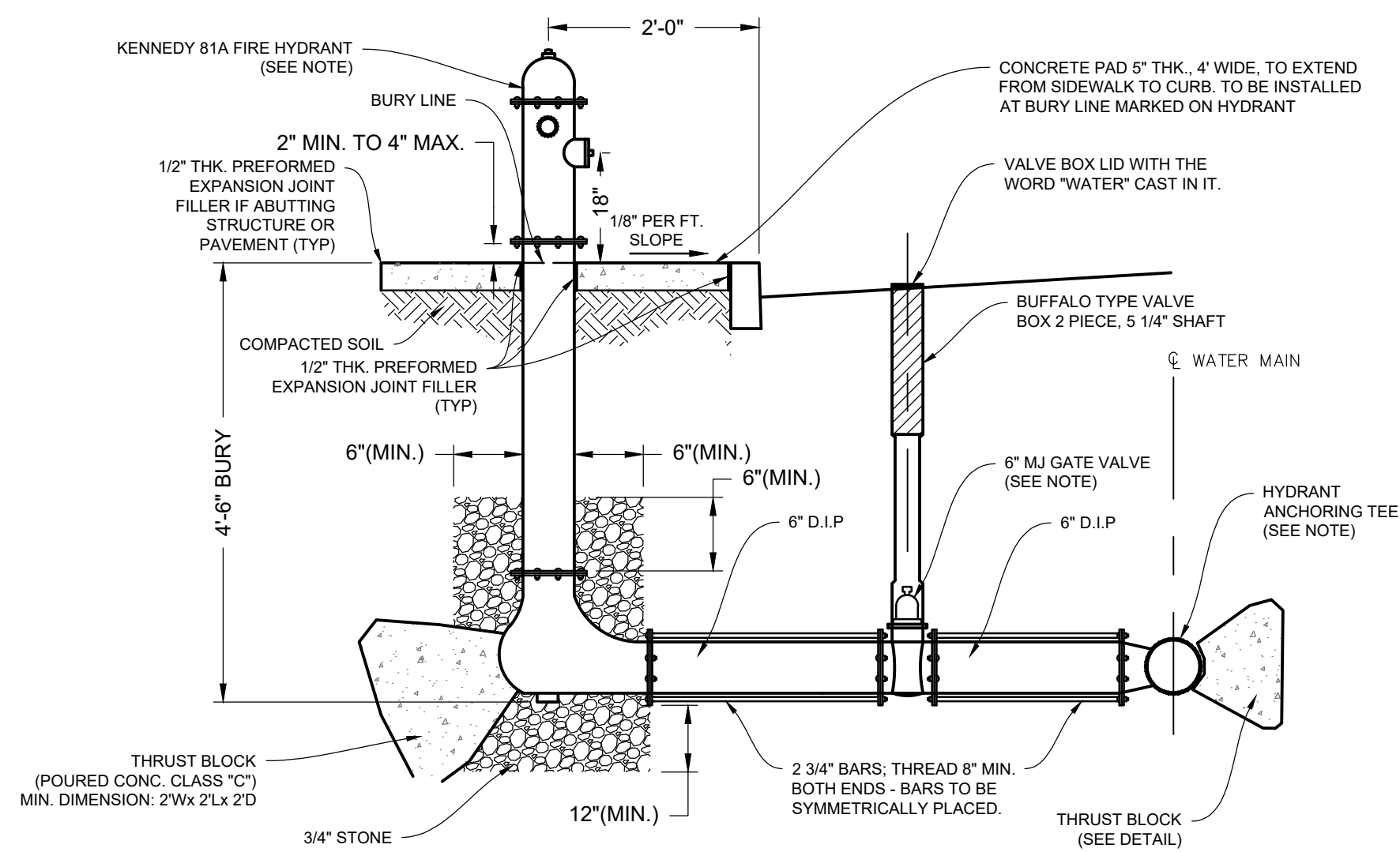
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

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PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	N.T.S.
DRAWN BY	BF
APPROVED BY	JJR

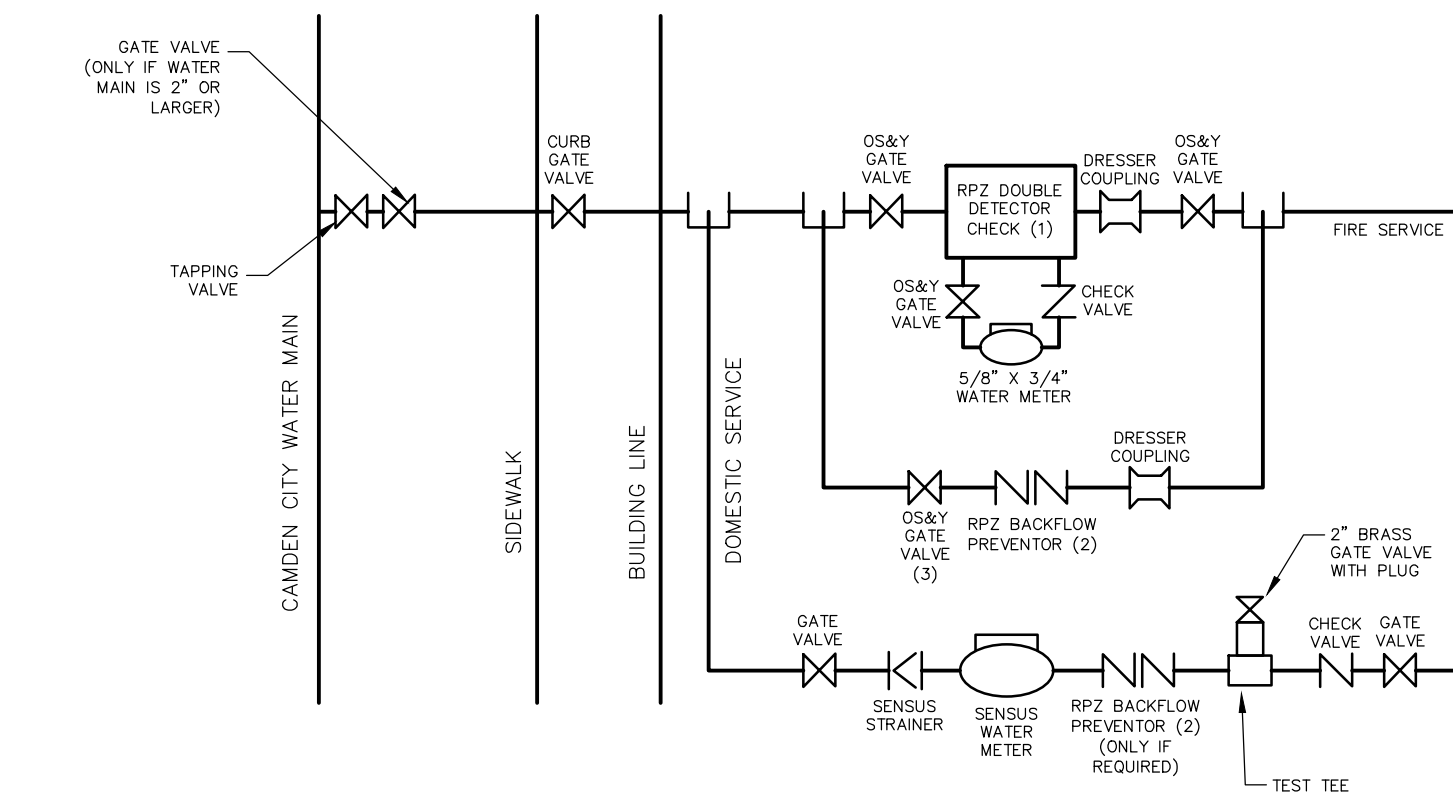
NOT FOR CONSTRUCTION



FIRE HYDRANT NOTES:

1. THE INLET HUB, GATE VALVE AND HYDRANT TEE SHALL BE RODDED TOGETHER WITH CONTINUOUS THREADED RODS (ALL THREAD - M.J.), SOCKET CLAMPS, WASHERS AND CORPORATION EYE BOLTS TO PREVENT HYDRANT FROM BLOWING OFF.
2. CONTRACTOR SHALL INSURE THAT THE FIRE HYDRANT THREADS CONFORM TO LOCAL FIRE COMPANY'S STANDARDS.
3. ALL FIRE HYDRANTS SHALL OPEN BY TURNING LEFT (COUNTERCLOCKWISE). THE OPERATING NUT AND OUTLET NOZZLE CAP NUTS SHALL BE PENTAGON, MEASURING 1 1/2" FROM POINT TO FLAT AT BASE. HYDRANTS SHALL BE PRIME COATED AND PAINTED IN ACCORDANCE WITH ANSI/SWWA STANDARD SPECIFICATIONS, FINISH PAINTED CONFORMING TO THE STANDARDS OF THE CITY OF CAMDEN.

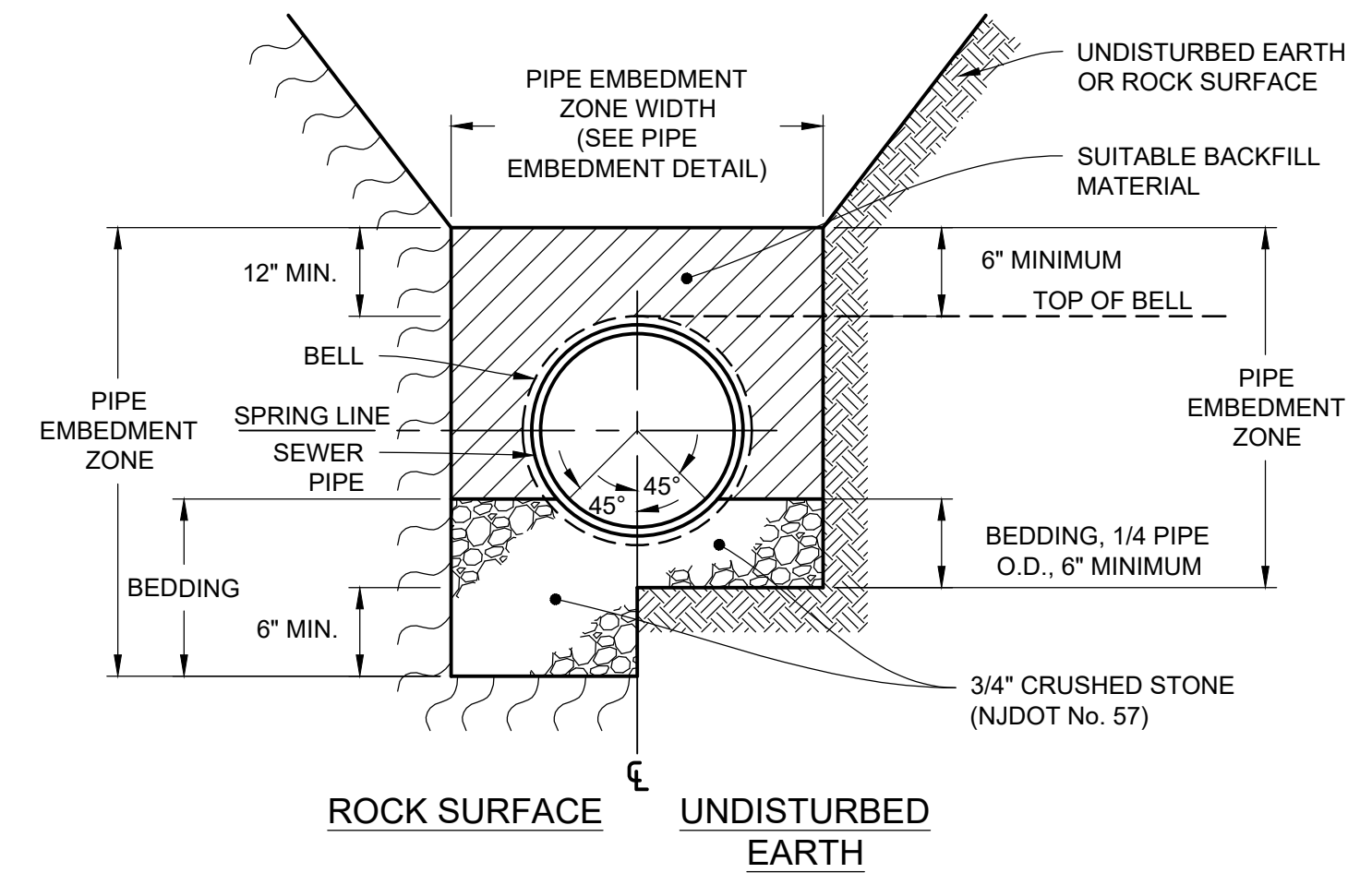
2 FIRE HYDRANT ASSEMBLY
NOT TO SCALE



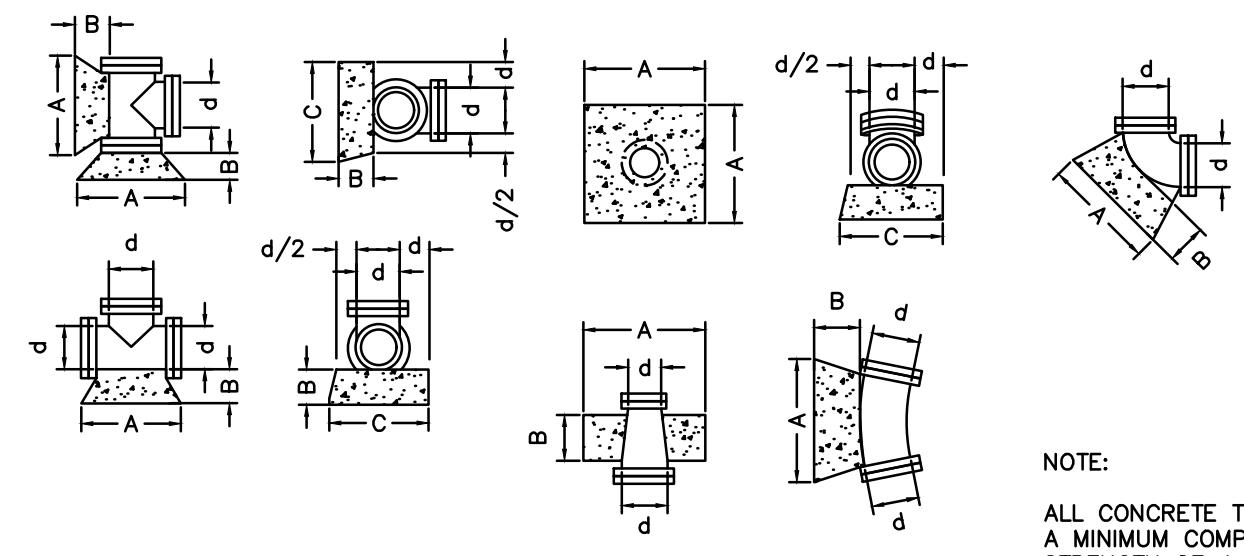
NOTES:

1. A BACKFLOW PREVENTER MUST BE PROVIDED FOR ALL PROPOSED FIRE SERVICE LINES. FOR A REGULAR FIRE SUPPRESSION SYSTEM (COMBINED SERVICE LINE LARGER THAN 2"), A COMBINED REDUCED PRESSURE DETECTOR ASSEMBLY (AMES 5000 SS, AMES 5000 RPD OR WATT 9098 RPD*) SHALL BE INSTALLED ON THE MAIN FIRE SERVICE LINE AND A REDUCED PRESSURE BACKFLOW PREVENTER ON THE BYPASS (AMES 4000 SS OR WATT 909*). ON THE LIMITED FIRE SUPPRESSION SYSTEM (COMBINED SERVICE LINE 1.5" OR 2"), A FIRE LINE DETECTOR CHECK WITH A SINGLE CHECK VALVE (AMES 1000 DCV*) SHALL BE INSTALLED ON THE MAIN FIRE LINE AND A REDUCED PRESSURE BACKFLOW PREVENTER (AMES 4000 SS OR WATT 909*) SHALL BE INSTALLED DOWNSTREAM OF THE BYPASS. ALL REGULAR FIRE SUPPRESSION SYSTEMS MUST HAVE OS&Y VALVES, HOWEVER, LIMITED FIRE SUPPRESSION SYSTEMS MAY USE BALL VALVES (VICTAULIC SERIES 728 FIRELOCK*) INSTEAD OF OS&Y VALVES. THE FIRE UNIT SHALL BE FURNISHED WITH A 3/8 INCH X 3/4 INCH METERED BYPASS. THE APPLICANT SHALL APPLY FOR AND REGISTER ALL RPZ WITH NJDEP.
2. ALL METER SIZE 2 INCHES THROUGH 6 INCHES SHALL BE SINGLE COMPOUND METERS AND ALL METERS 8 INCHES AND LARGER SHALL BE DUPLEX COMPOUND MANIFOLD METERS.
3. ALL METERS SHALL BE ADEQUATELY RESTRAINED WITH METAL BRACKETS FASTENED TO THE FLOOR OR WALL OR OTHER APPROVED MEANS SUCH AS UNIFLANGES WHERE INTERNAL PIPE PRESSURE AND FLOW WARRANT SUCH RESTRAINTS. METERS, DETECTOR CHECKS, AND VALVES MAY BE SEATED ON CONCRETE BLOCK AND TAPERED SHIMS TO PROVIDE ADEQUATE SUPPORT. METERS SHALL BE INSTALLED APPROXIMATELY 36" ABOVE FLOOR GRADE.
4. REFER TO CITY OF CAMDEN DETAILS.

3 1.5" CONNECTION
NOT TO SCALE



5 DIP PIPE BEDDING DETAIL
NOT TO SCALE



NOTE:
ALL CONCRETE TO HAVE
A MINIMUM COMPRESSIVE
STRENGTH OF 4,000 PSI
28 DAYS

6 THRUST BLOCK DETAILS
NOT TO SCALE

MINIMUM SIZE OF CONCRETE THRUST BLOCKS				
d	6"	8"	10"	12"
TEES & CROSSES				
A	2'-0"	2'-6"	3'-0"	3'-6"
B	8"	8"	10"	10"
C	1'-3"	1'-6"	2'-0"	2'-6"
90° BENDS				
A	2'-6"	3'-0"	3'-6"	3'-9"
B	8"	8"	10"	10"
C	1'-3"	1'-6"	2'-0"	2'-6"
45° BENDS				
A	1'-6"	1'-6"	2'-3"	2'-3"
B	8"	8"	10"	10"
C	1'-3"	1'-9"	2'-0"	2'-6"
22.5° & 11.25° BENDS				
A	1'-6"	1'-6"	1'-6"	1'-6"
B	8"	8"	10"	10"
C	1'-3"	1'-9"	2'-0"	2'-6"
REDUCERS				
dxd	6"x4"	8"x4"	10"x6"	10"x6"
A	1'-6"	2'-0"	2'-4"	2'-6"
B	1'-0"	1'-0"	1'-3"	1'-6"

Pennoni
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Camden, NJ 08103
T 856.668.8600
NJ COA NO. GA28033300

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK
NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300
JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788
11/15/24

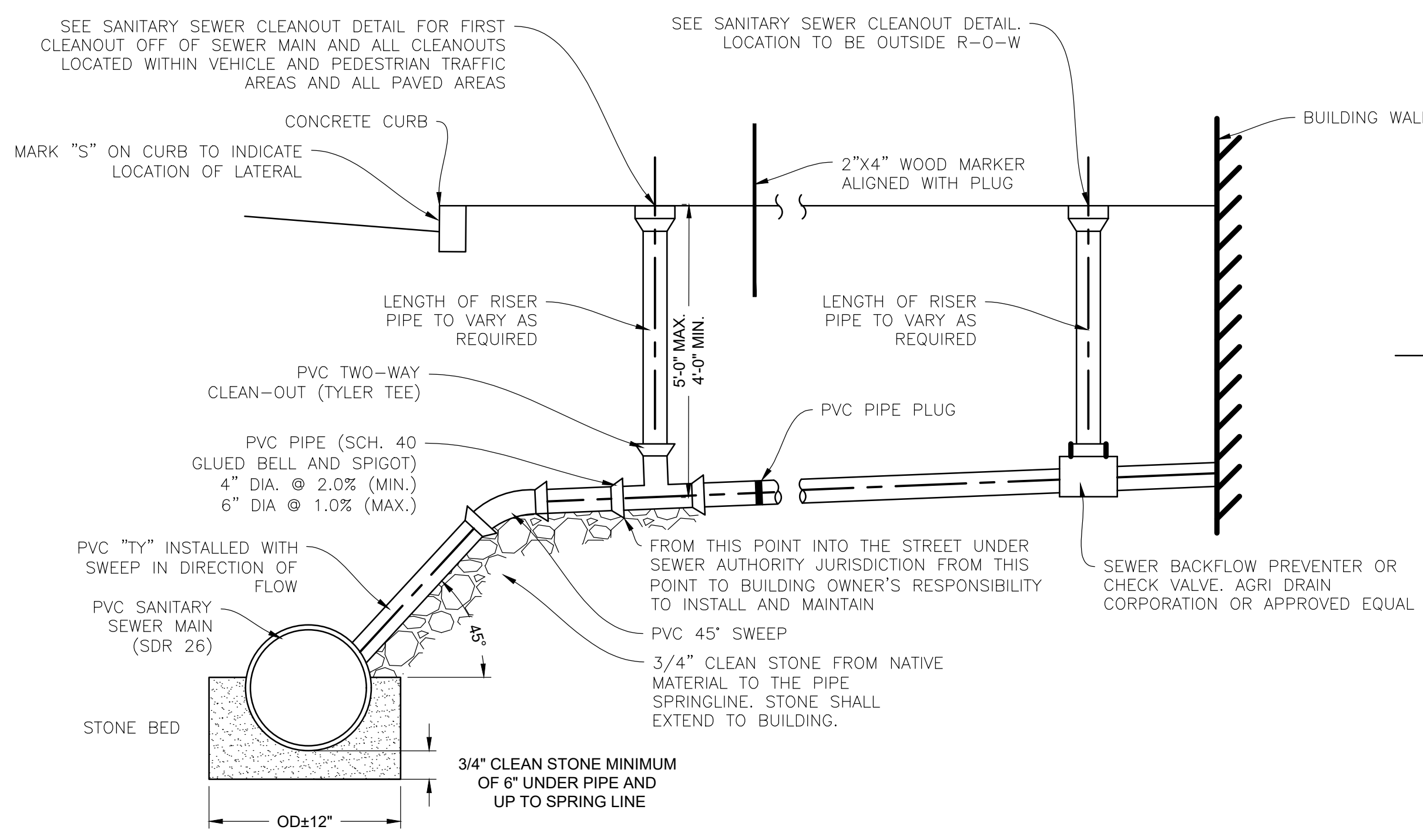
WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY
WATER DETAILS
KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
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PROJECT: **KCNAX23001**
DATE: **MAY 17, 2024**
DRAWING SCALE: **N.T.S.**
DRAWN BY: **BF**
APPROVED BY: **JJR**

NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN
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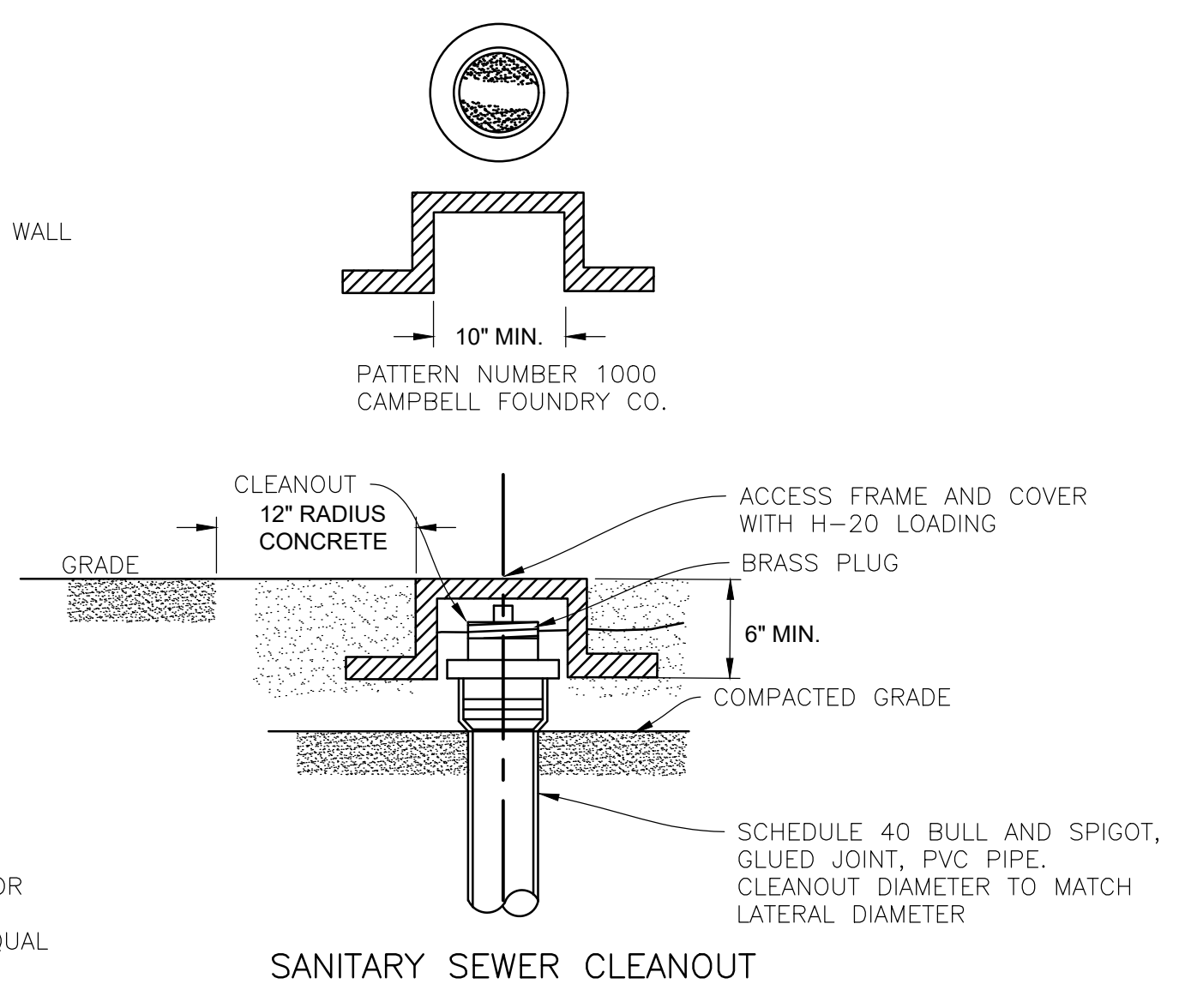


NOTES:
1. TRENCH BOTTOM TO BE VIRGIN SOIL, 0.75" STONE OR MECHANICALLY TAMPED AND TESTED BACKFILL

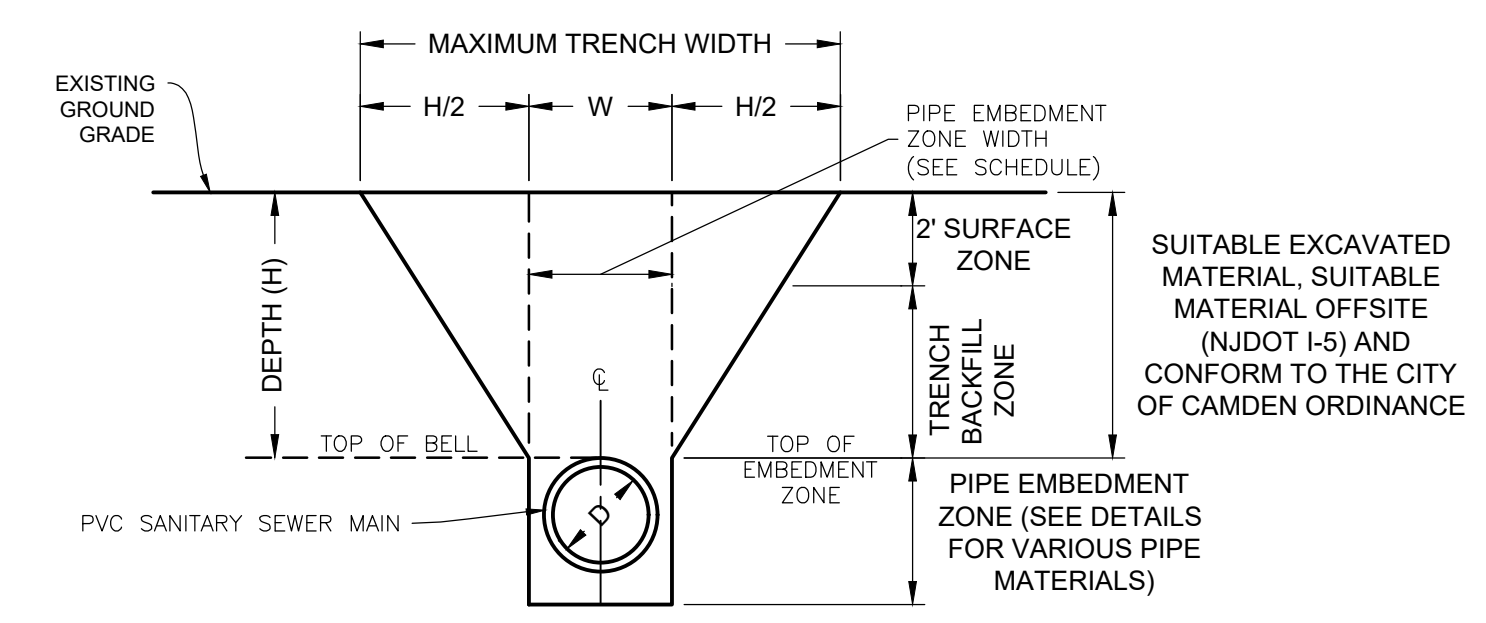
TYPICAL LATERAL WITH BACKFLOW PREVENTER

- NOTES:
1. INSERT A TEE USED FOR CONNECTION TO EXISTING MAIN MUST BE APPROVED BY CITY PRIOR TO INSTALLATION.
 2. CONNECTION TO CITY SEWER MAIN MUST BE MADE WITH A HOLE SAW. CONNECTION WITH A HAMMER AND CHISEL OR ANY OTHER MAINS WILL NOT BE PERMITTED.
 3. CLEANOUT SHALL BE LOCATED BETWEEN CURB AND SIDEWALK, OR A MAXIMUM OF 2' FROM CURB. ELEVATION OF TOP OF CLEANOUT SHALL BE LEVEL WITH THE HIGHER OF CURB OR GRADE. NO CLEANOUTS LOCATED IN PAVED AREAS.
 4. 3' MIN. COVER FROM FINISHED GRADE TO TOP OF SERVICE DUCTILE IRON PIPE. IN AREAS NOT SUBJECT TO VEHICULAR TRAFFIC IS REQUIRED IN AREAS WITH 3' COVER.
 5. ALL CLEANOUTS ALONG LATERAL TO HAVE BRASS PLUGS OF SAME SIZE AS LATERALS.
 6. ALL LATERALS MUST BE STRAIGHT RUNS.
 7. LATERAL SIZE MUST BE 4" MINIMUM.

1 TYPICAL LATERAL DETAIL WITH BACKFLOW PREVENTER AND SANITARY SEWER CLEANOUT DETAIL
NOT TO SCALE



- NOTES:
1. REQUIRED FOR FIRST CLEANOUT OFF OF SEWER MAIN AND ALL CLEANOUTS LOCATED WITHIN VEHICULAR AND PEDESTRIAN TRAFFIC AREAS AND ALL PAVED AREAS.

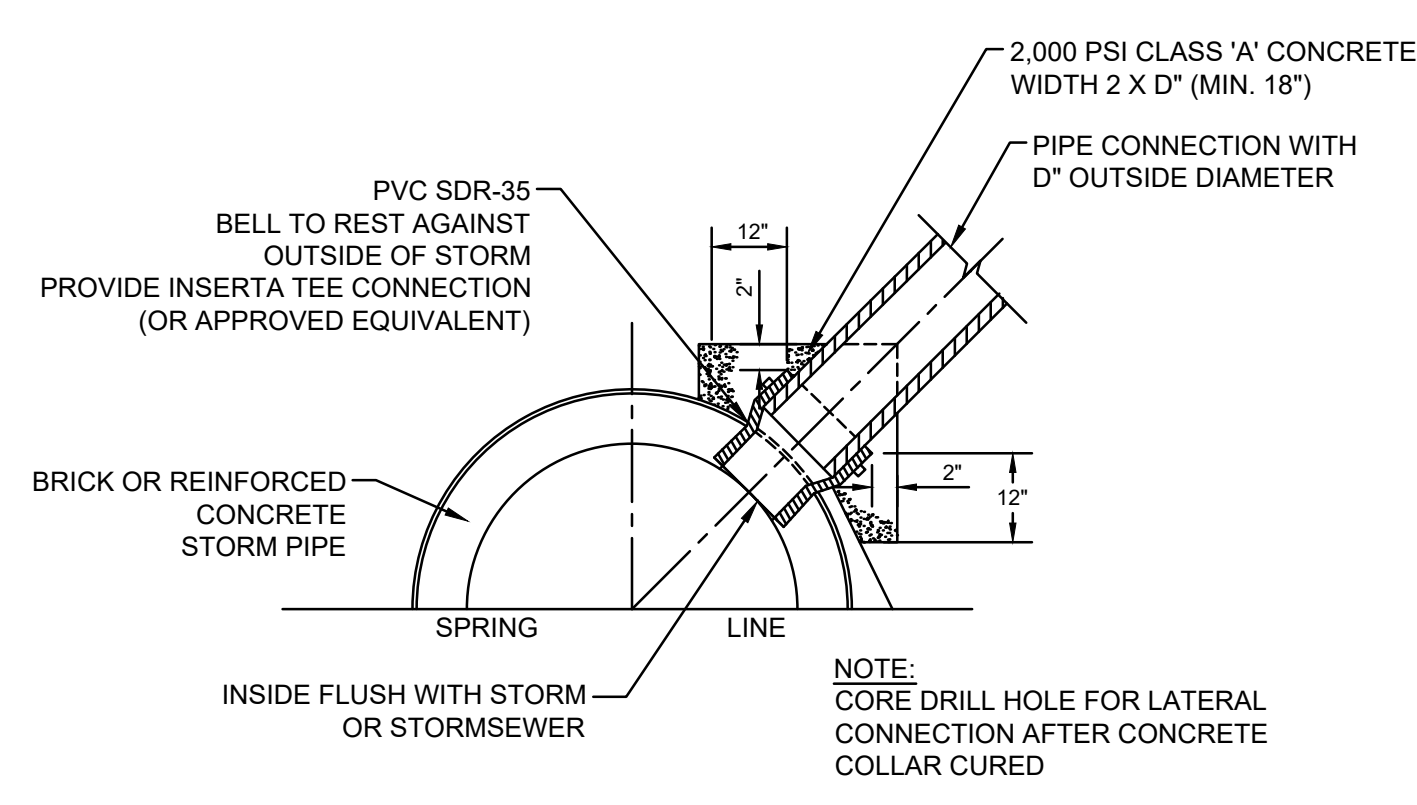


PIPE EMBEDMENT ZONE WIDTH SCHEDULE

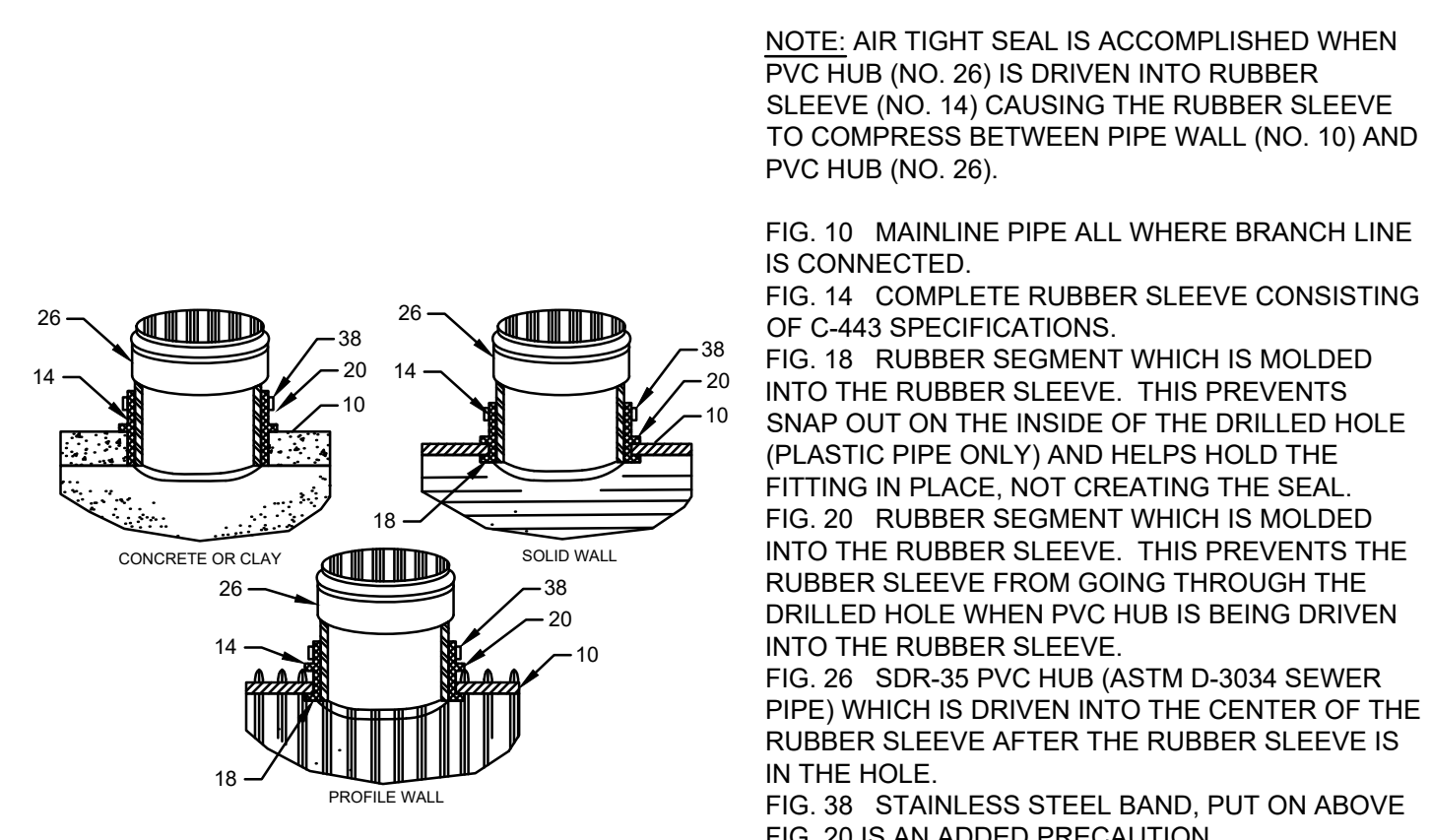
INSIDE DIA. OF PIPE (D)	4", 6", 8", 10", 12"	15"	18"	21"	24"	27"
EMBEDMENT ZONE WIDTH (W)	3'-0"	3'-6"	3'-6"	4'-0"	4'-0"	4'-6"

- TRENCH EXCAVATION AND BACKFILL NOTES:
1. THE MAXIMUM DRY DENSITIES SHALL BE DETERMINED IN ACCORDANCE WITH ASTM DESIGNATION D1557. THE MINIMUM PERCENTAGE OF COMPACTION TO BE ACHIEVED BY THE CONTRACTOR IN THE VARIOUS ZONES IS AS FOLLOWS:
- | | PIPE MATERIAL | LOCATION | INITIAL COMPACTION |
|-----------------------|---------------|----------|--------------------|
| SURFACE ZONE: | ALL | ALL | 95% |
| TRENCH BACKFILL ZONE: | ALL | ALL | 90% |
| PIPE EMBEDMENT ZONE: | ALL | ALL | 95% |
- THE MINIMUM COMPACTION IN EMBANKMENT SHALL BE 90%
2. THE PIPE EMBEDMENT ZONE WIDTH AND THE MAXIMUM TRENCH WIDTH SHALL NOT EXCEED THE PERMISSIBLE WIDTHS SHOWN. IF PERMISSIBLE WIDTH IS EXCEEDED, THE PIPE SHALL BE INSTALLED IN A HIGHER CLASS BEDDING THAN SHOWN ON THE DRAWINGS OR THE SPECIFIED PIPE SHALL BE REPLACED WITH PIPE OF GREATER CRUSHING STRENGTH OR BOTH, TO ACHIEVE SUITABLE CONDITIONS.
 3. SUITABLE MATERIAL FROM EXCAVATIONS SHALL BE FREE OF OBJECTIONABLE QUANTITIES OF ORGANIC MATTER, CLAYS, TREES, STUMPS, FROZEN MATERIAL, RUBBLE, REFUSE, CINDERS, ROCK AND OTHER MATERIALS CONSIDERED DELETERIOUS BY THE AUTHORITY AND SHALL NOT HAVE FINES IN EXCESS OF 10 PERCENT PASSING THE NO. 200 SIEVE NOR STONE OR GRAVEL LARGER THAN 2 INCHES.
 4. FOR PIPE MATERIALS OTHER THAN PVC, PIPE EMBEDMENT ZONE MAY BE INCREASED BY 6 INCHES.

2 SANITARY PIPE EMBEDMENT
NOT TO SCALE



3 SADDLE CONNECTION TO BRICK OR R.C. PIPE STORM DETAIL (IF REQUIRED)
NOT TO SCALE



4 INSERTA TEE CONNECTION DETAILS (OR APPROVED EQUIVALENT)
NOT TO SCALE

NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN

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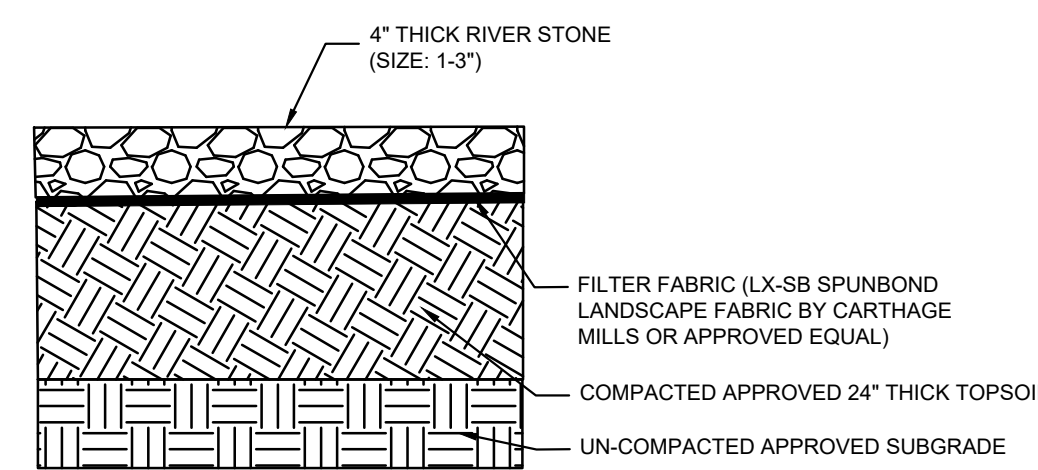
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PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	N.T.S.
DRAWN BY	BF
APPROVED BY	JJR

U:\Acad\KCNAX23001\KCNAX23001 - WHITTIER FIELD Design\DESIGN_SHEETS\CS6051.dwg PLOT DATE: 11/14/24 11:14 AM BY: Eduardo Rabin PLOT STYLE: Pennoni V02.dwt

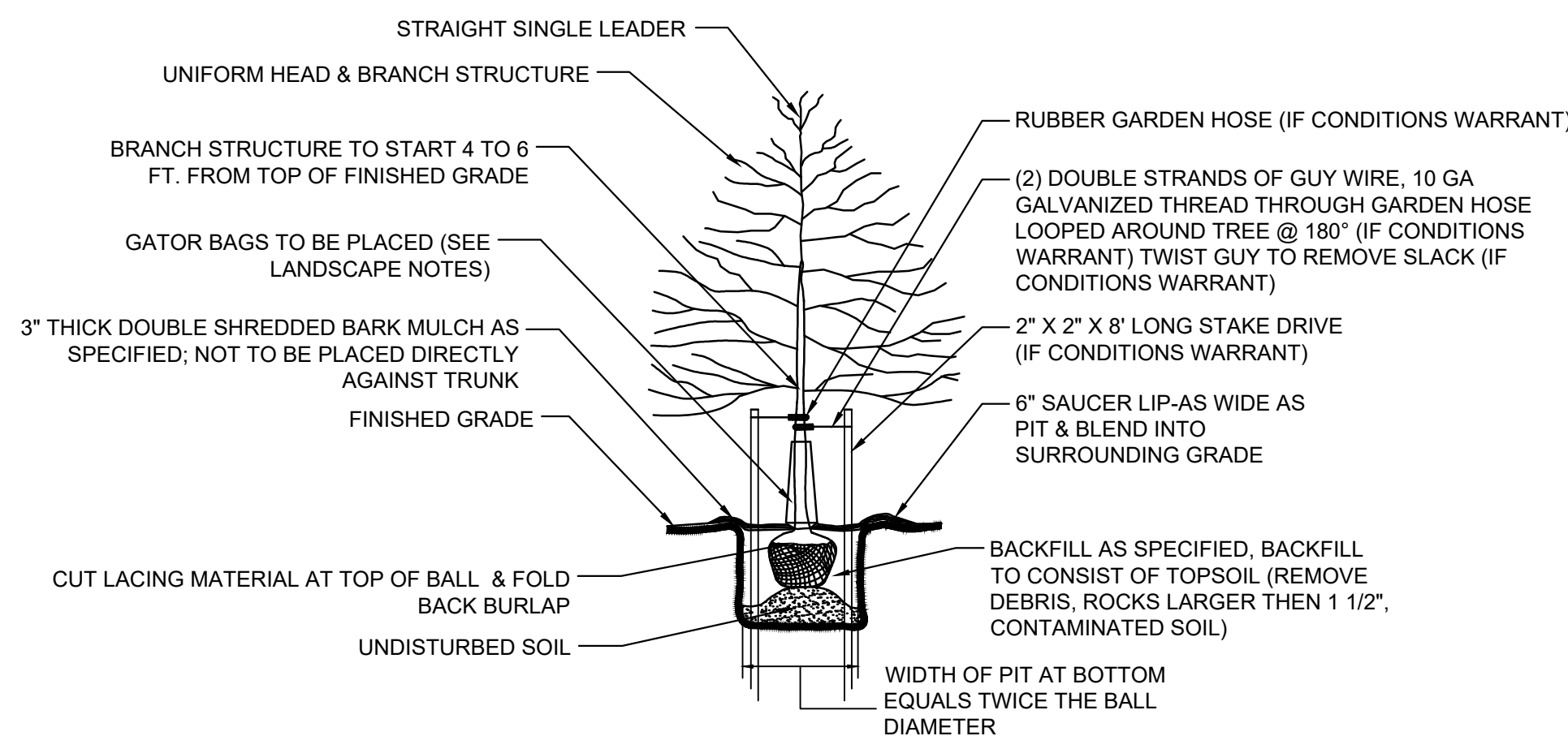
LANDSCAPING SCHEDULE							
QTY	ITEM	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	ROOT	COMMENTS
BASE BID							
TREE							
2	AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2.5" CAL	AS SHOWN	888	STRAIGHT TRUNK, FULL HEAD
2	ARD	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	3" CAL	AS SHOWN	888	STRAIGHT TRUNK, FULL HEAD
6	CB	CARRPINUS BETULUS 'VASTIGATA'	COLUMBIAN HORNBEEAM	2.5" CAL	AS SHOWN	888	STRAIGHT TRUNK, FULL HEAD
5	CBF	CARRPINUS BETULUS 'VASTIGATA'	COLUMBIAN HORNBEEAM	3" CAL	AS SHOWN	888	STRAIGHT TRUNK, FULL HEAD
1	CC	CERCIS CANADENSIS	EASTERN NODDID	2.5" CAL	AS SHOWN	888	STRAIGHT TRUNK, FULL HEAD
4	PA	PLATANUS X ACERIFOLIA 'COLUMBIA'	COLUMBIA PLANETREE	3" CAL	AS SHOWN	888	STRAIGHT TRUNK, FULL HEAD
8	SR	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK LILAC	2.5" CAL	AS SHOWN	888	STRAIGHT TRUNK, FULL HEAD
5	SR	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK LILAC	3" CAL	AS SHOWN	888	STRAIGHT TRUNK, FULL HEAD
EVERGREEN							
18	JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6"	4" O.C.	888	SINGLE TRUNK FULL HEAD, BRANCHES START @ GROUND
7	JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	4"	4" O.C.	888	SINGLE TRUNK FULL HEAD, BRANCHES START @ GROUND
9	TD	THUJA OCCIDENTALIS 'NIGRA'	NIGRA ARBORVITAE	4"	4" O.C.	888	SINGLE TRUNK FULL HEAD, BRANCHES START @ GROUND
SHRUB							
11	FG	FOTHERGILLA GARDENII	DWARF FOTHERGILLA	24-30" HT	3" O.C.	#5 CONT.	FULL FORM HEAD
18	IG	ILEX GLABRA 'SHAMROCK'	SHAMROCK INBERRY HOLLY	24-30" HT	3" O.C.	#5 CONT.	FULL FORM HEAD
24	PL	PRUNUS LAUROCELRASSUS 'OTTO LUHMEN'	OTTO LUHMENS CHERRYLAUREL	24-30" HT	3" O.C.	#5 CONT.	FULL FORM HEAD
3	SI	SPIREA JAPONICA 'ANTHONY WATERER'	ANTHONY WATERER JAPANESE SPIREA	24-30" HT	3" O.C.	#5 CONT.	FULL FORM HEAD
PERENNIAL AND ORNAMENTAL GRASS							
380	LM	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILY TURF	-	15" O.C.	4" POT	FULL FORM HEAD IN CONTAINER
205	LMV	LIRIOPE MUSCARI 'VARIEGATA'	VAREGATED LILY TURF	-	15" O.C.	4" POT	FULL FORM HEAD IN CONTAINER
48	PAL	PENNSETUM ALOPECUROIDES 'LITTLE BUNNY'	LITTLE BUNNY FOUNTAIN GRASS	-	15" O.C.	#1 CONT	FULL FORM HEAD IN CONTAINER

1 LANDSCAPING SCHEDULE
NOT TO SCALE

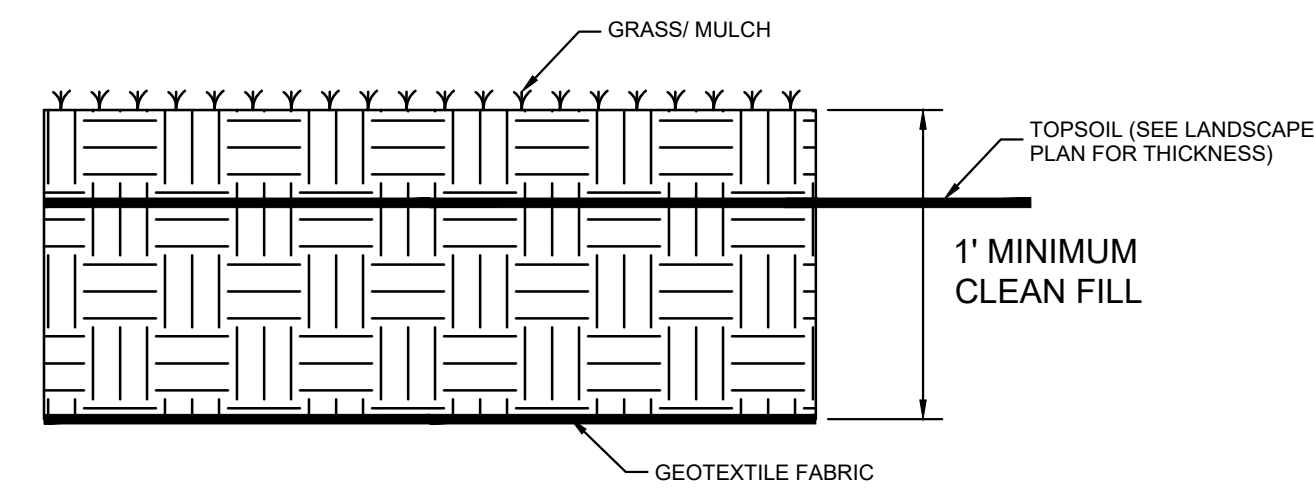


5 RIVER ROCK DETAIL OVER TOP TOPSOIL
NOT TO SCALE

COLOR: MULTICOLOR



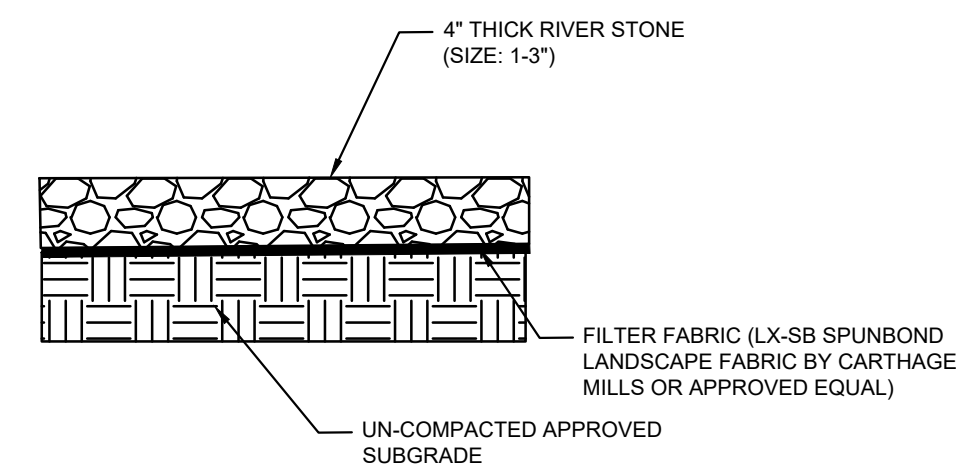
8 TREE PLANTING DETAIL
NOT TO SCALE



NOTE:

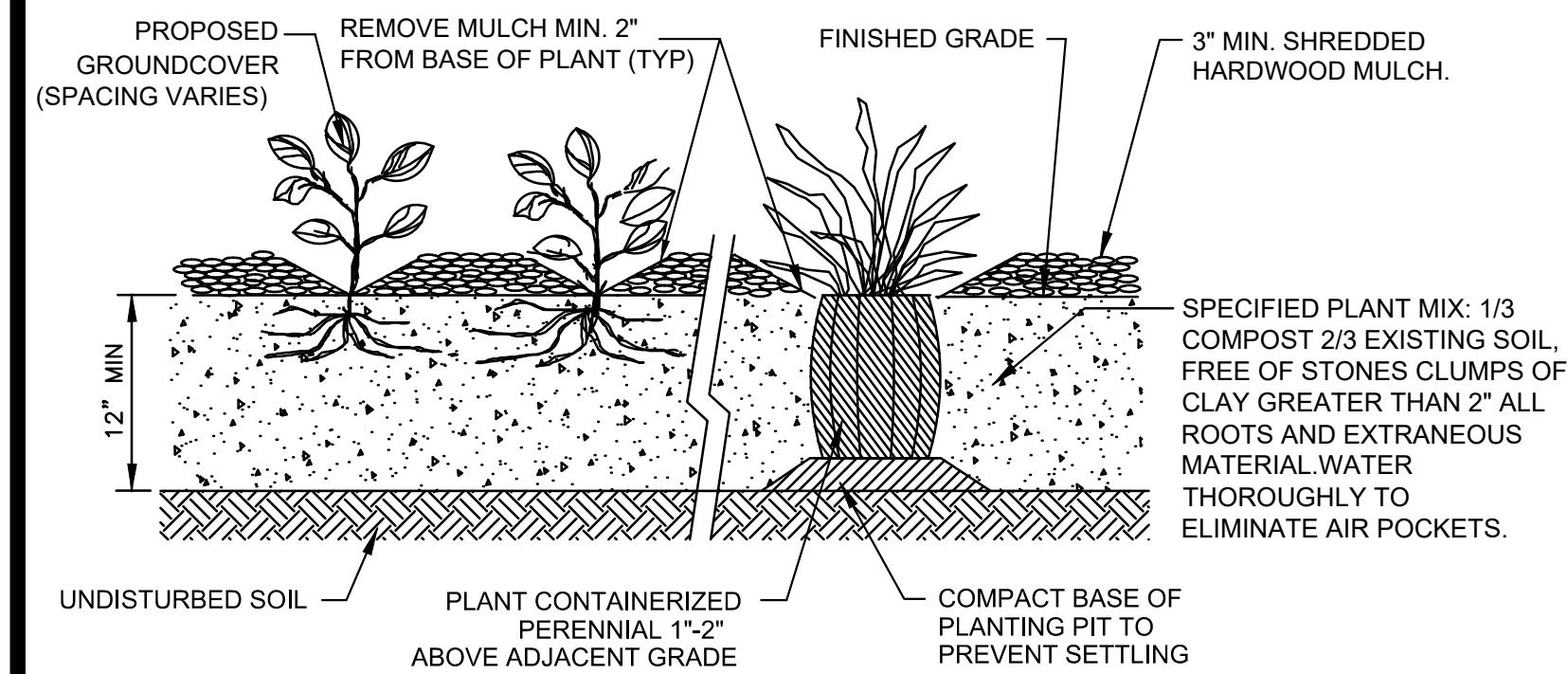
CONTRACTOR MAY BE REQUIRED TO INSTALL MORE THAN 1' MINIMUM CLEAN FILL TO ACCOMPLISH REQUIRED POST GRADING AND TO BE IN ACCORDANCE WITH PLANS AND CONSTRUCTION SPECIFICATIONS

2 VEGETATED AREA REQUIREMENTS
NOT TO SCALE

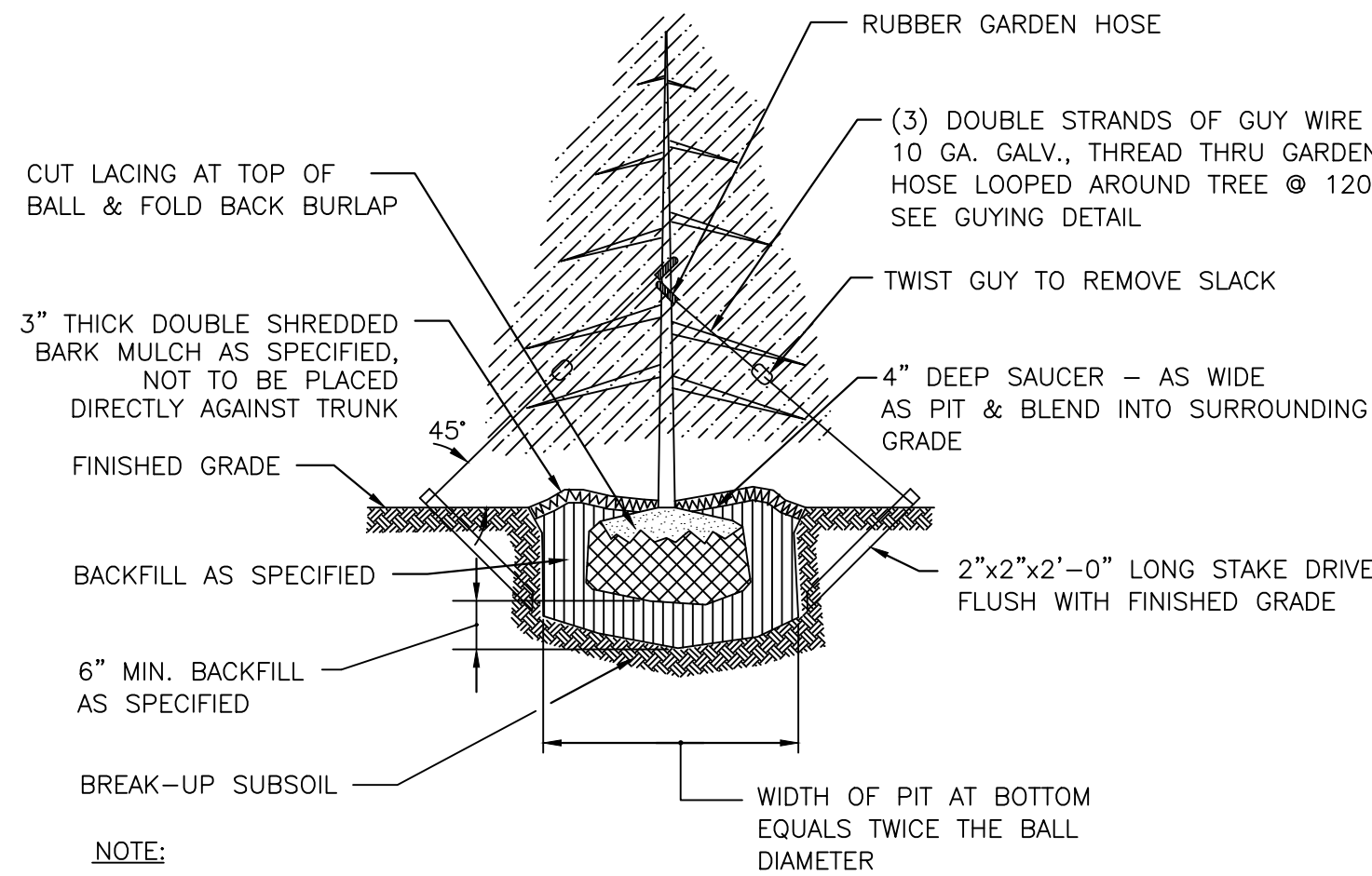


4 RIVER ROCK DETAIL OVER TOP SUBGRADE
NOT TO SCALE

COLOR: MULTICOLOR



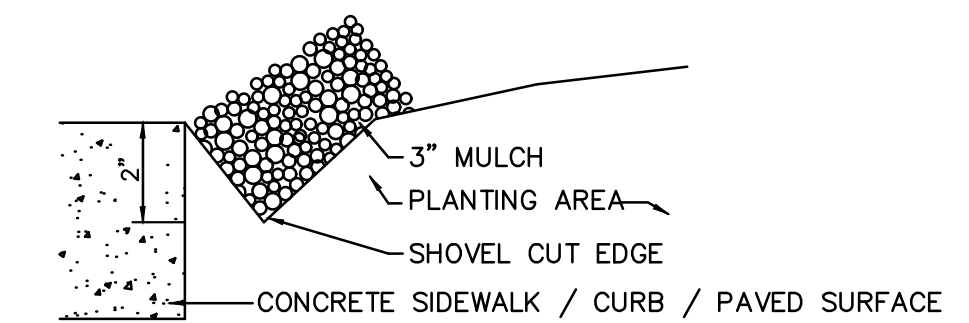
6 TREE PERENNIAL/GROUND COVER/ORN. GRASS PLANTING
NOT TO SCALE



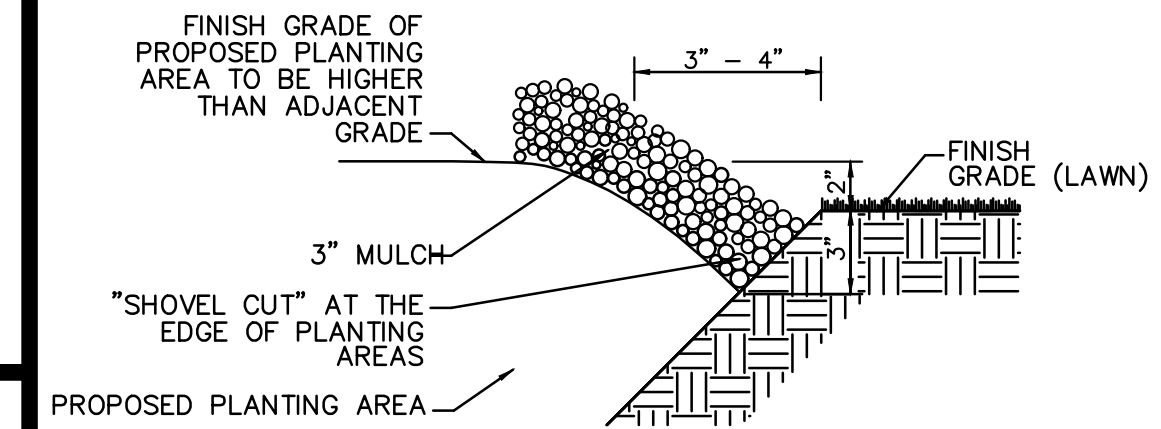
NOTE:

GROUND LINE TO BE THE SAME AS EXISTED AT NURSERY

9 TYPICAL PLANTING-EVERGREEN TREE
NOT TO SCALE



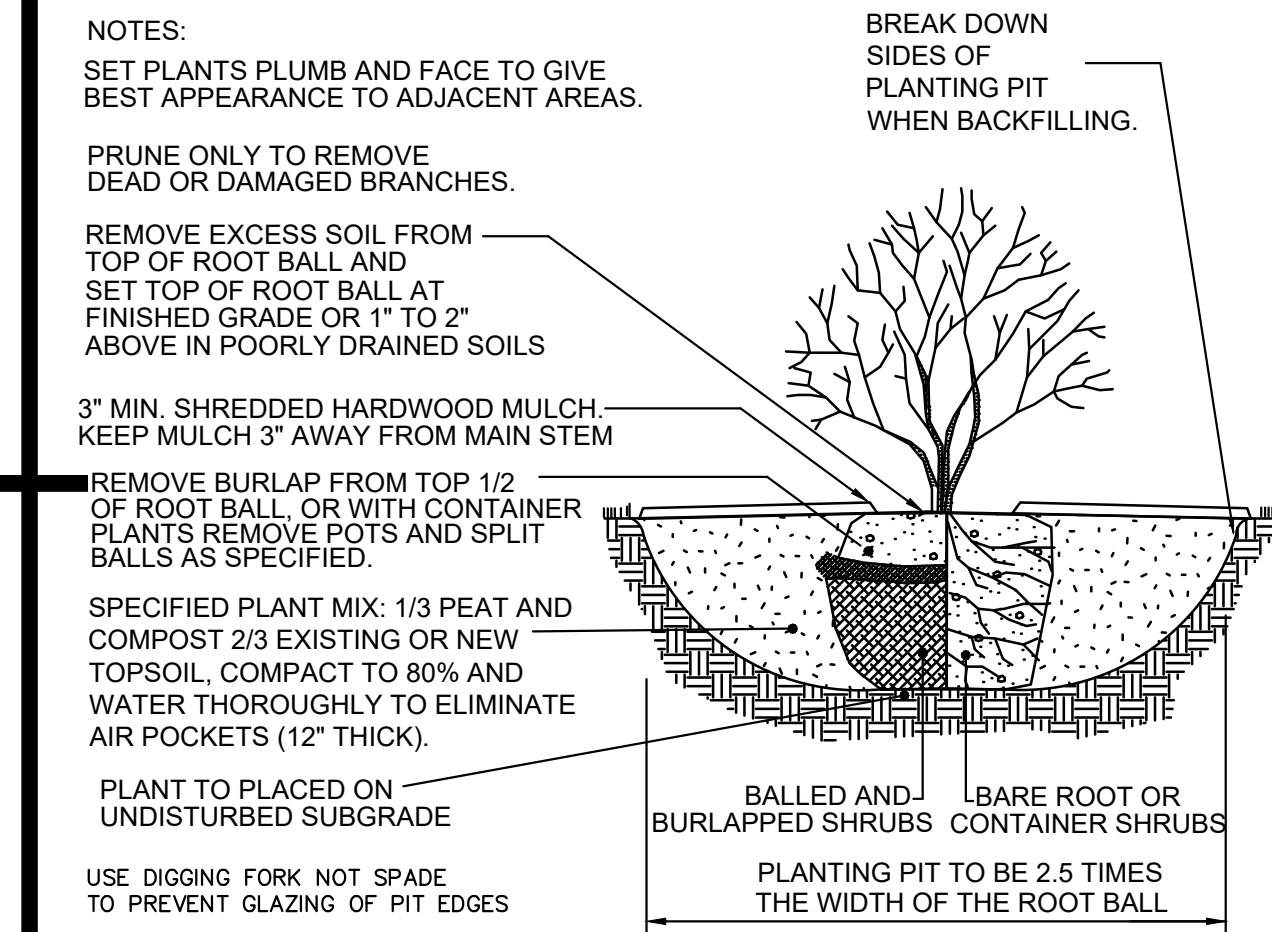
TYPICAL EDGING DETAIL AT PAVING



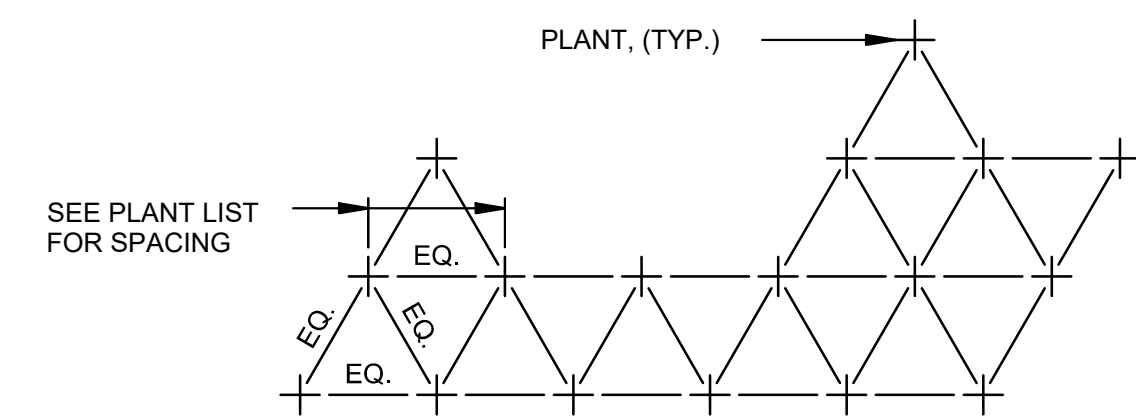
NOTE: PROPOSED TURF AREA TO MATCH GRADE OF SURROUNDING TURF AREA

TYPICAL EDGING DETAIL AT LAWN

3 MULCH EDGING
NOT TO SCALE



7 SHRUB PLANTING
NOT TO SCALE



10 PLANT SPACING DIAGRAM
NOT TO SCALE

NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN

NOT FOR CONSTRUCTION

Pennoni
PENNONI ASSOCIATES INC.
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Camden, NJ 08103
T 856.668.8600
NJ COA. NO. G28033300

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NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788

11/15/24

WHITTIER FIELD
7TH AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

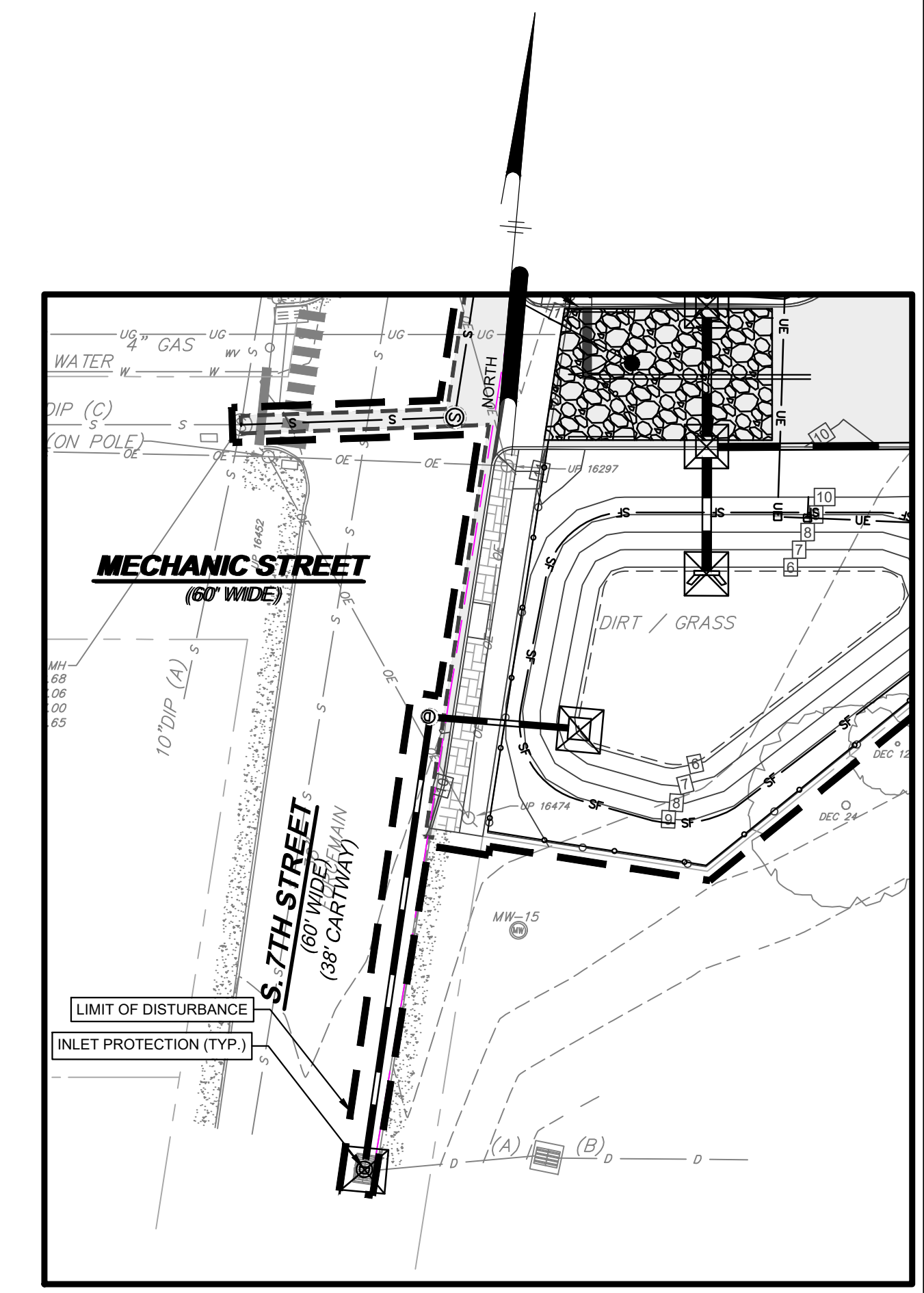
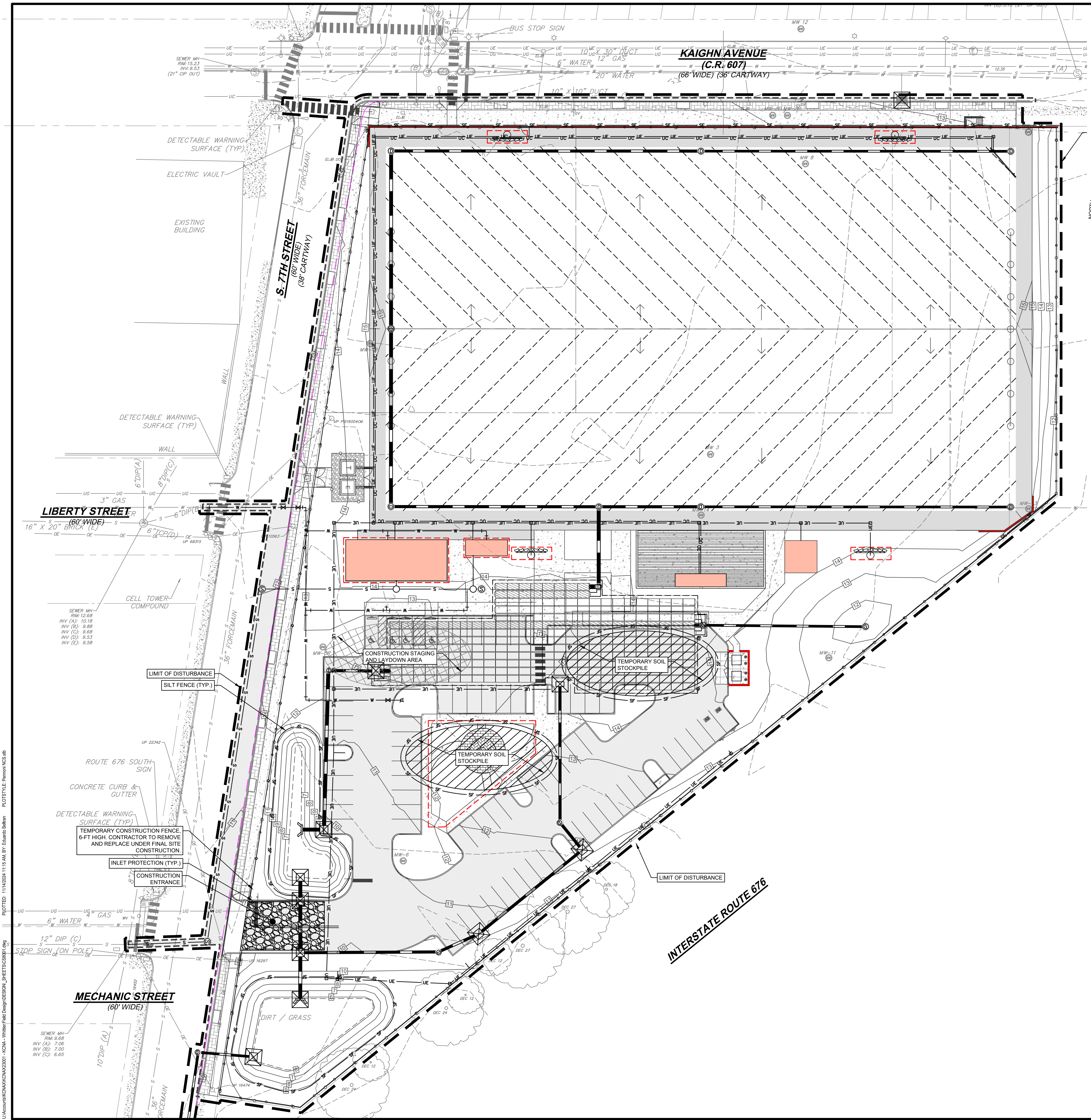
LANDSCAPE DETAILS

KIPP COOPER NORCROSS, INC.
60 PARK PLACE, SUITE 802
NEWARK, NJ 07102

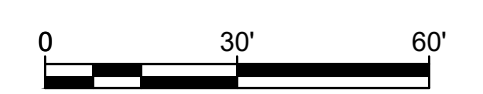
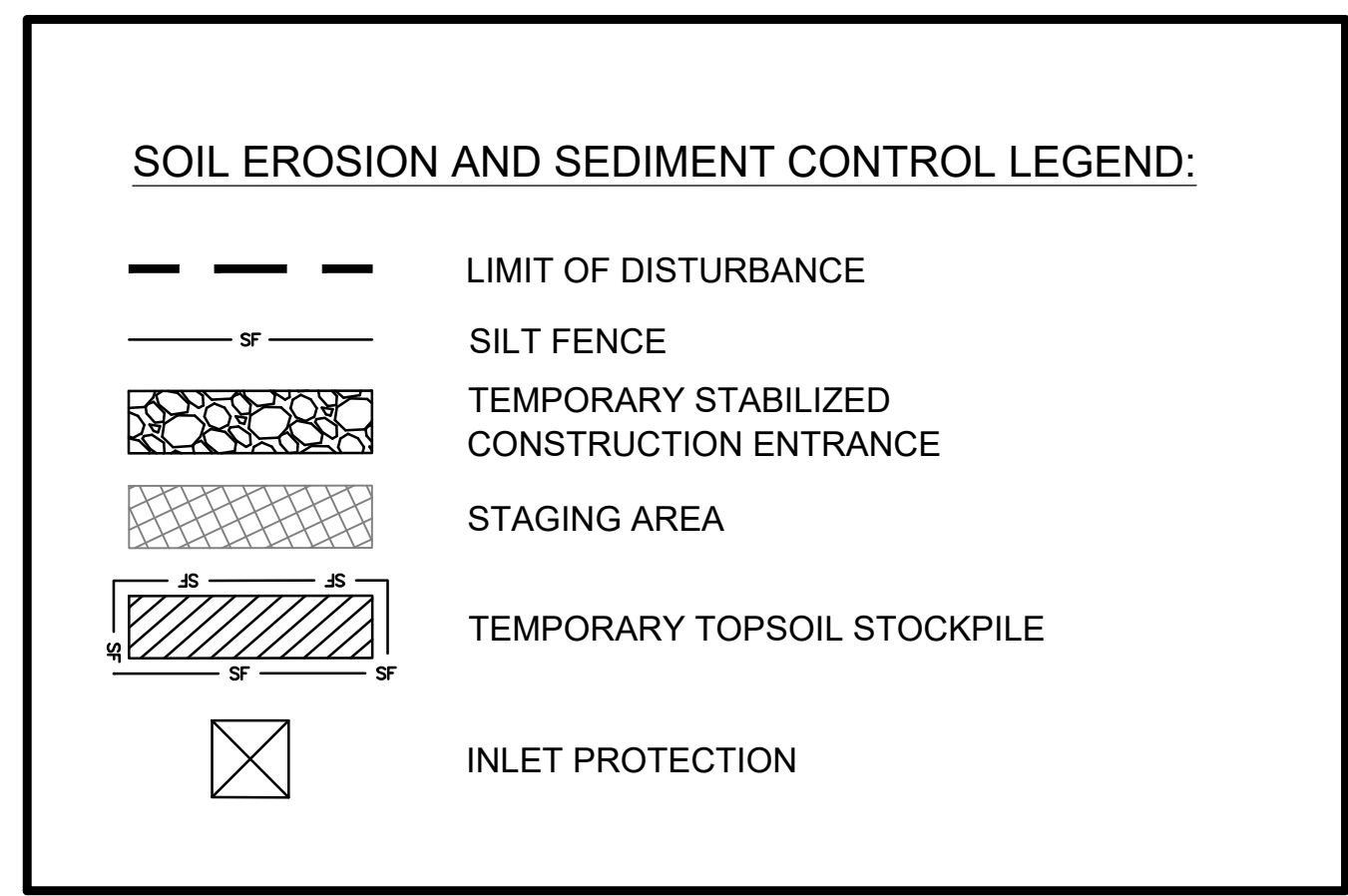
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

PROJECT	KCNAX23001
DATE	MAY 17, 2024
DRAWING SCALE	N.T.S.
DRAWN BY	BF
APPROVED BY	JJR
CS6062	
SHEET	35 OF 39

U:\Admin\KCNAX23001\KCNAX23001 - WHITTIER FIELD Design\DESIGN - SHEETS\CS6062.dwg PLOT STYLE: Pennoni V02.ctb PLOTTED: 11/14/2024 11:14 AM BY: Eduardo Rabin PLOTTED: Pennoni V02.ctb



INSET 'A' (SEE SHT. CS0500 FOR LOCATION)
SCALE: 1"=30'



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Pennoni
 PENNONI ASSOCIATES INC.
 2 Aquantum Drive, Suite 320
 Camden, NJ 08103
 T 856 668 8600
 NJ COA NO. GA28033300

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 NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300
JOSEPH RADAY
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. GE043788
 11/15/24

WHITTIER FIELD
 7TH AVENUE & KAIGHN AVENUE
 CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY
SOIL EROSION & SEDIMENT CONTROL PLAN
 KIPP COOPER NORCROSS, INC.
 60 PARK PLACE, SUITE 802
 NEWARK, NJ 07102

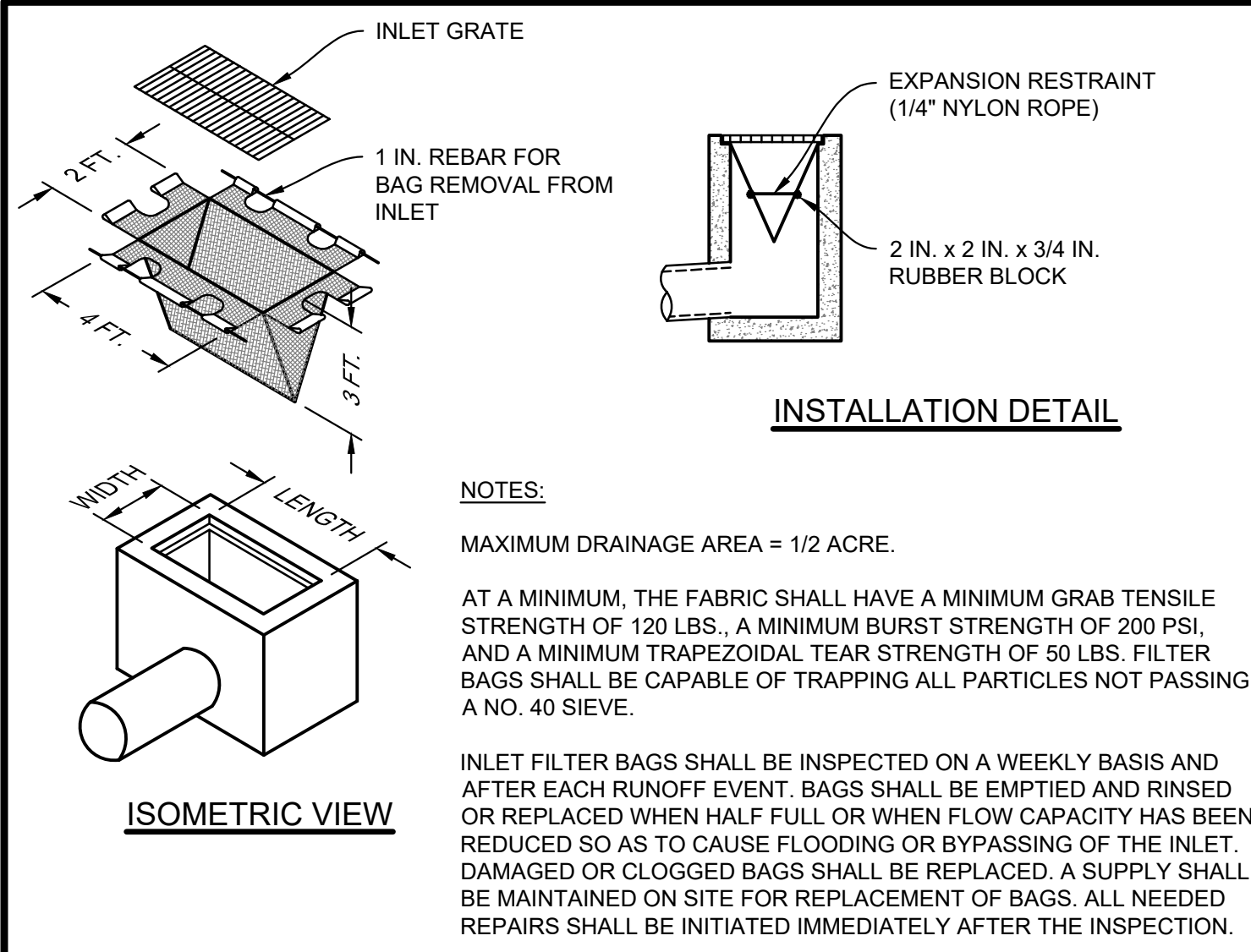
NO.	DATE	REVISIONS	BY
1	1/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

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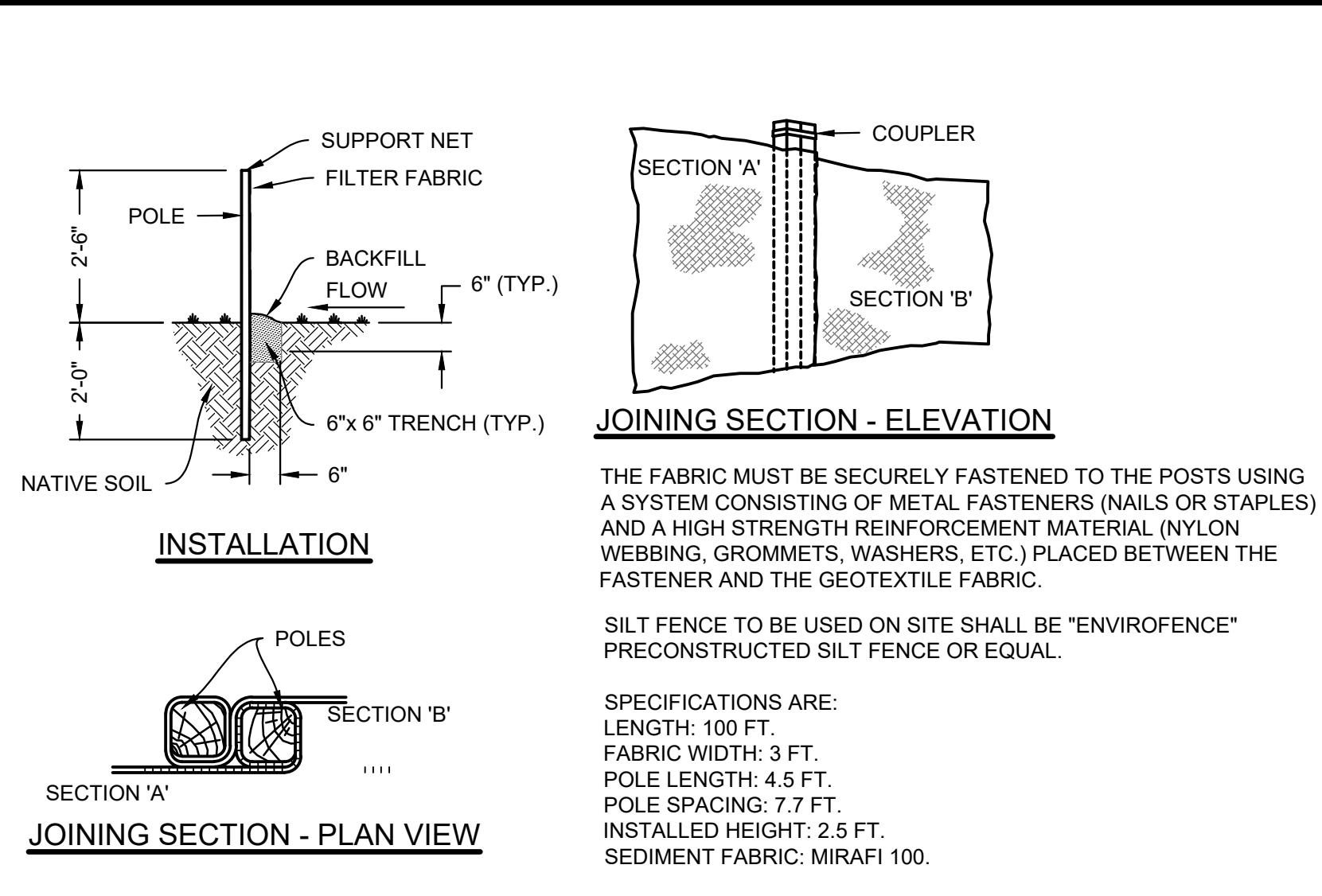
PROJECT: KCNAX23001
 DATE: MAY 17, 2024
 DRAWING SCALE: 1"=30'
 DRAWN BY: BF
 APPROVED BY: JUR

CS8001
 SHEET 36 OF 39

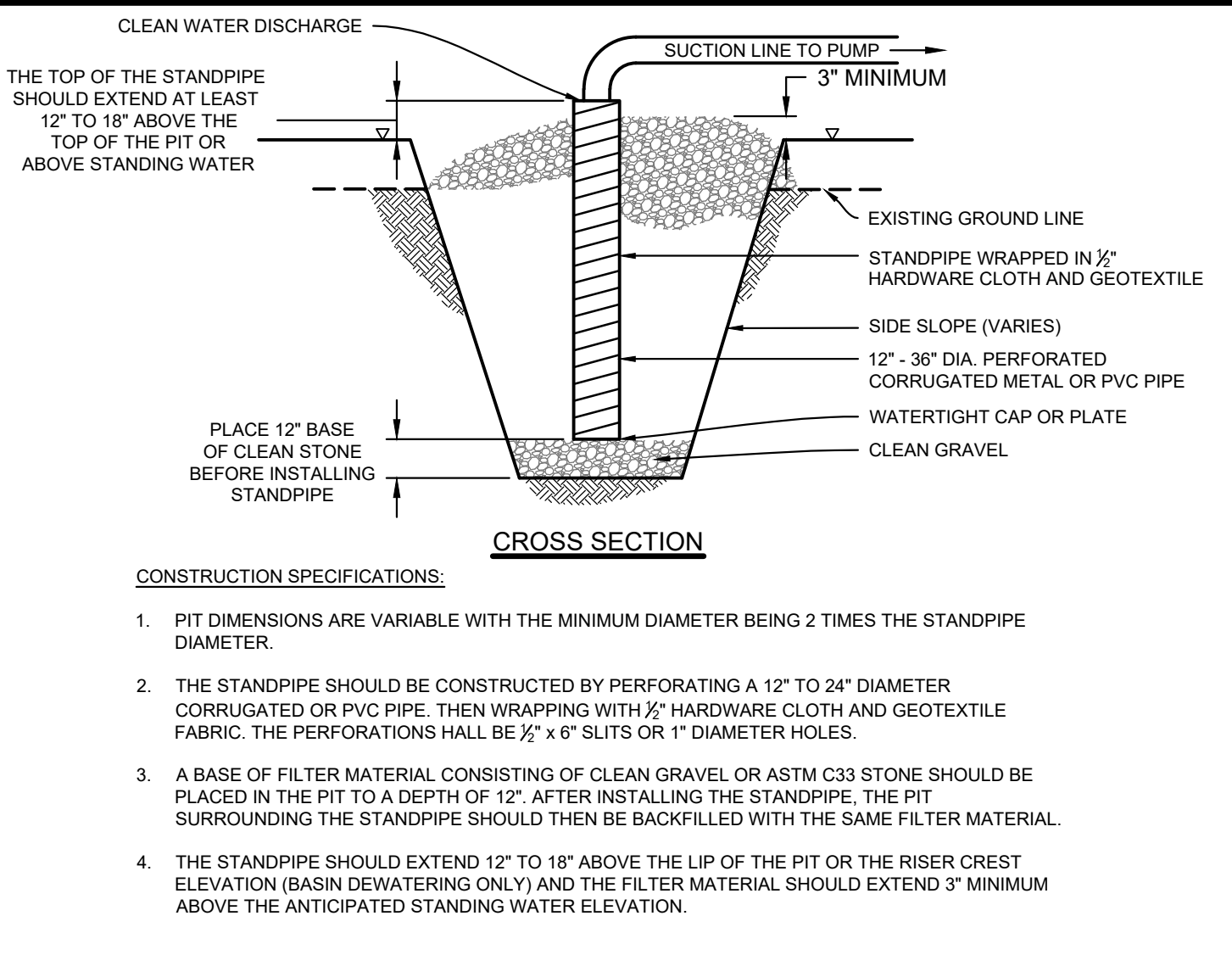
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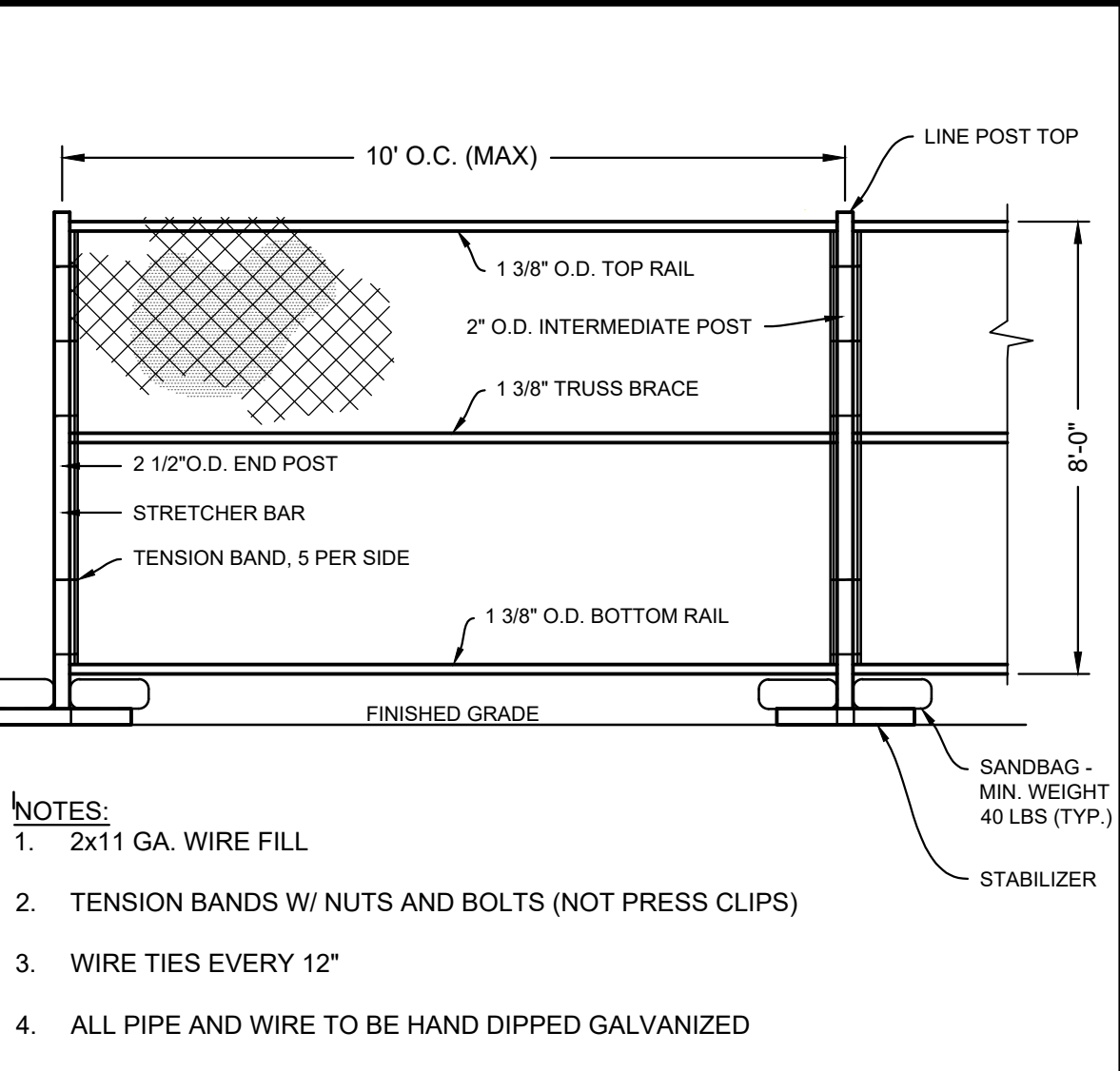
1 INLET FILTER BAG PROTECTION DETAIL
NOT TO SCALE



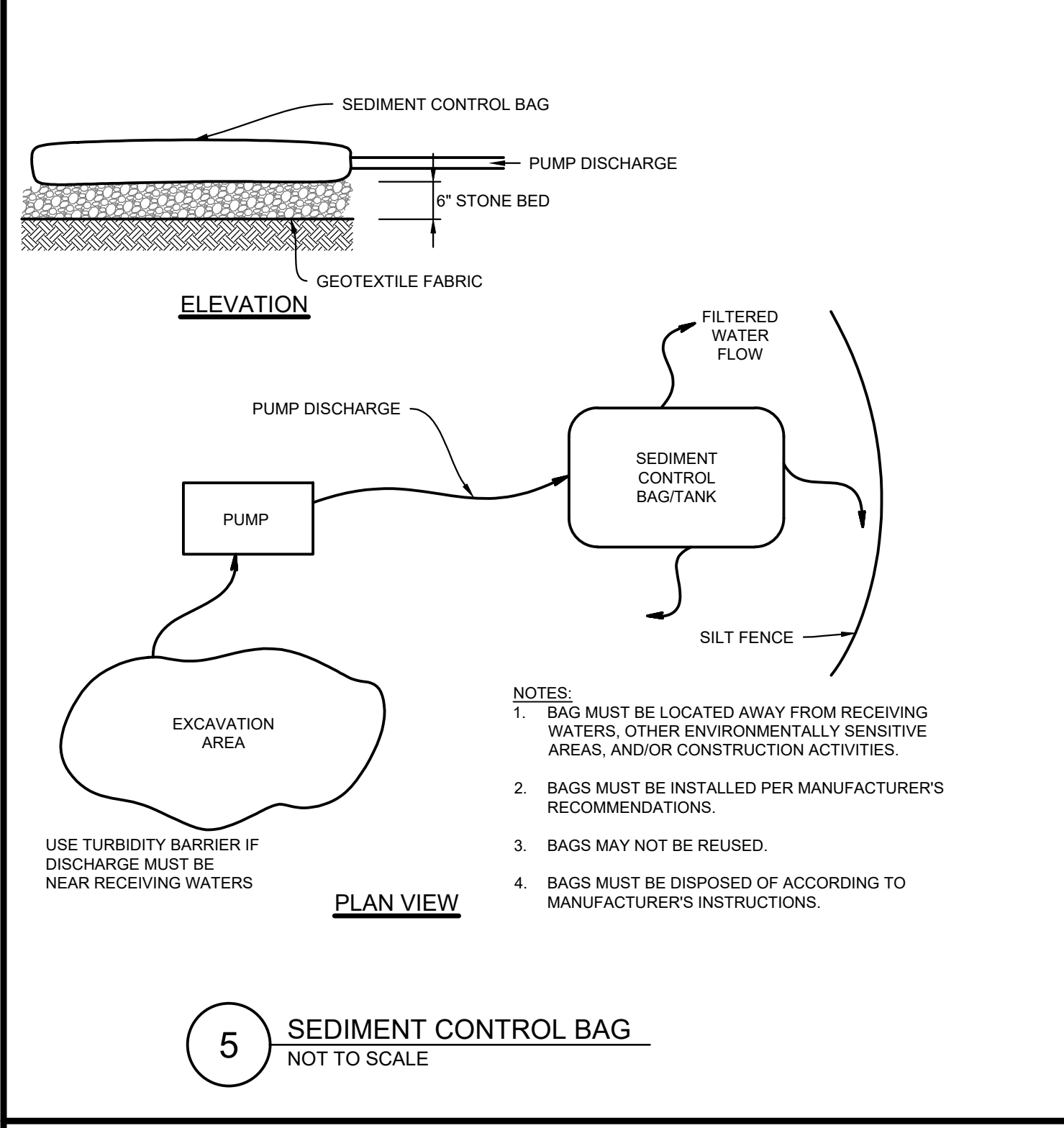
2 SILT FENCE DETAIL
NOT TO SCALE



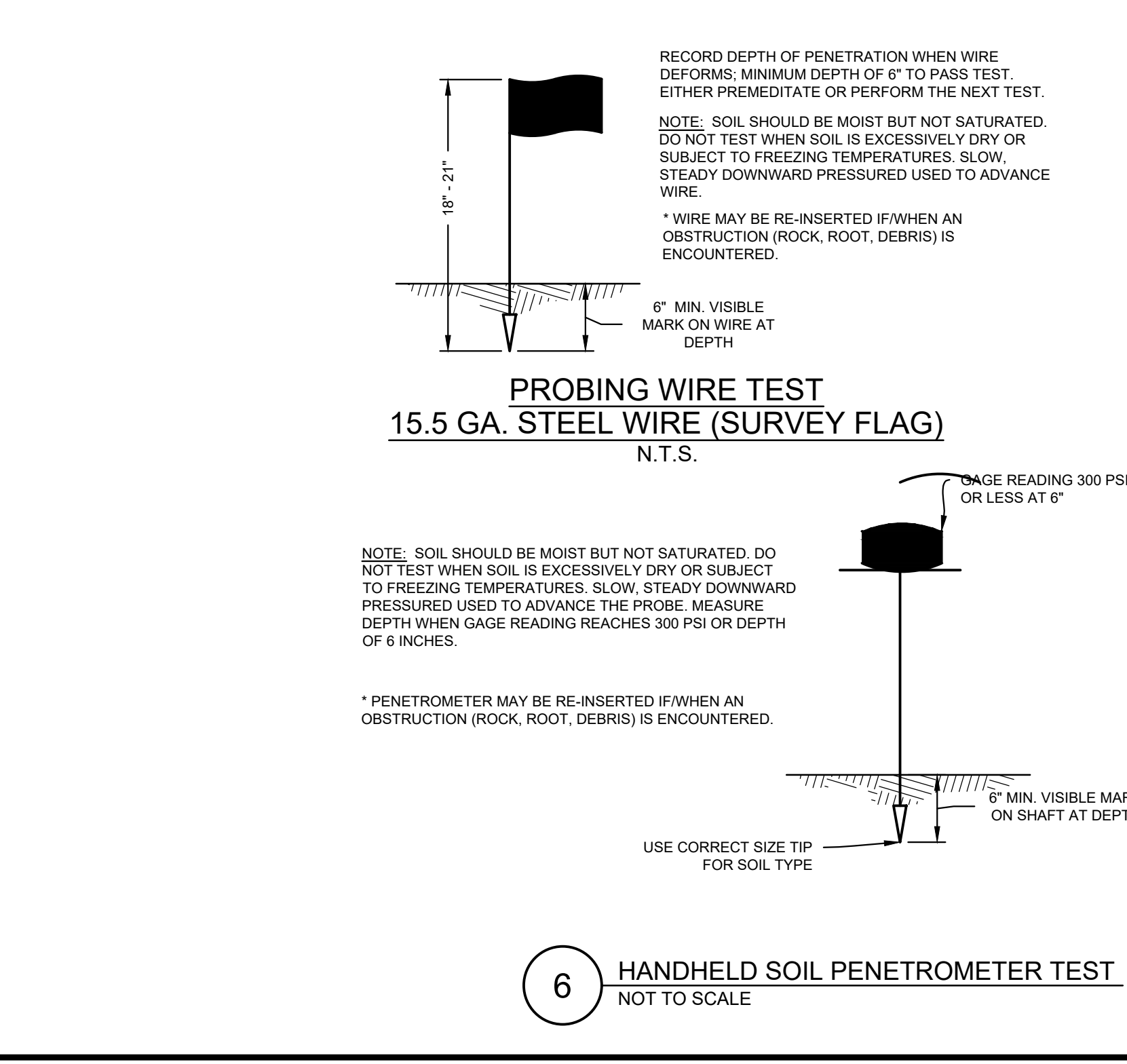
3 SUMP PIT DETAIL
NOT TO SCALE



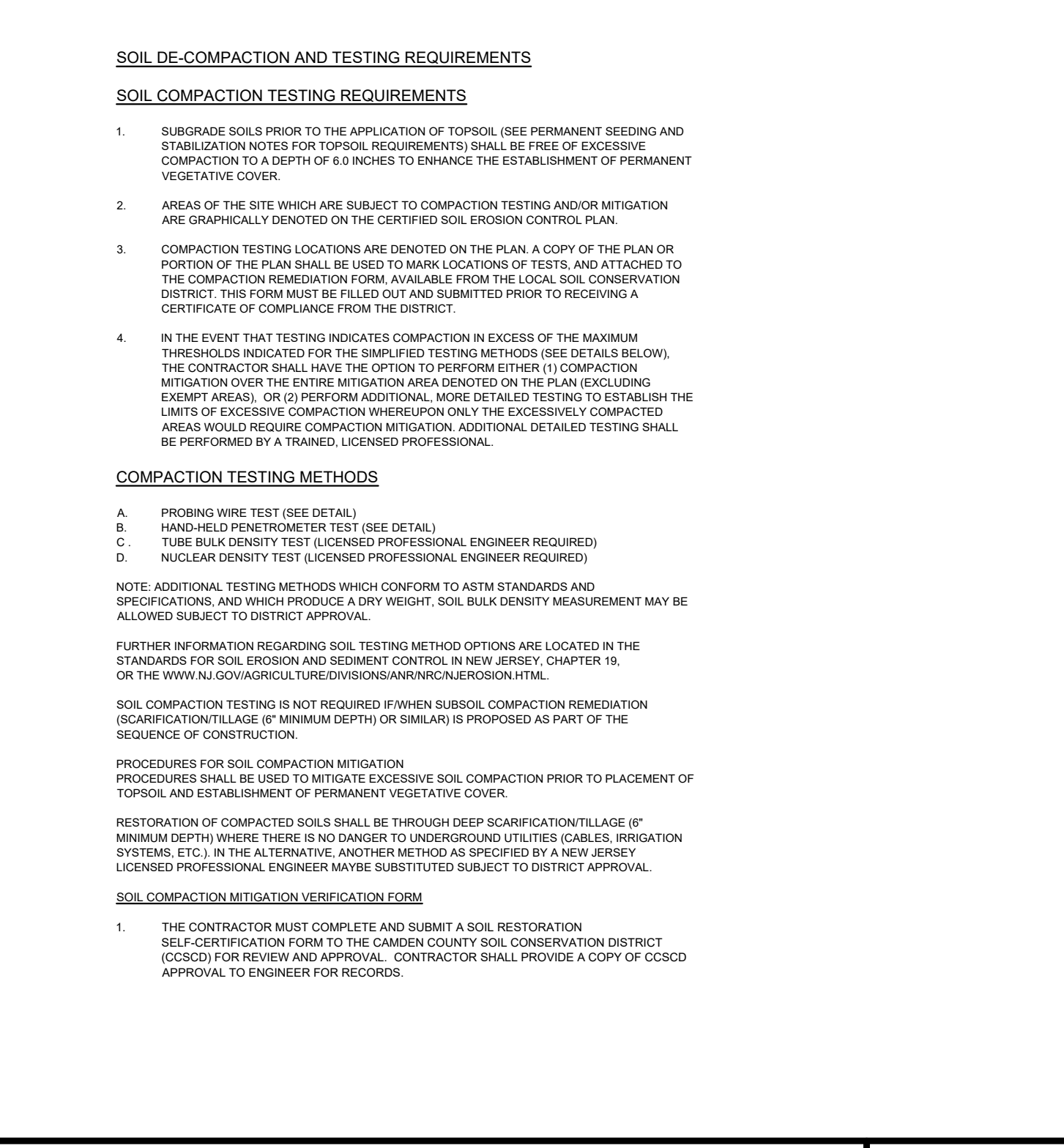
4 TEMPORARY CONSTRUCTION FENCE DETAIL
NOT TO SCALE



5 SEDIMENT CONTROL BAG
NOT TO SCALE



6 HANDHELD SOIL PENETROMETER TEST
NOT TO SCALE



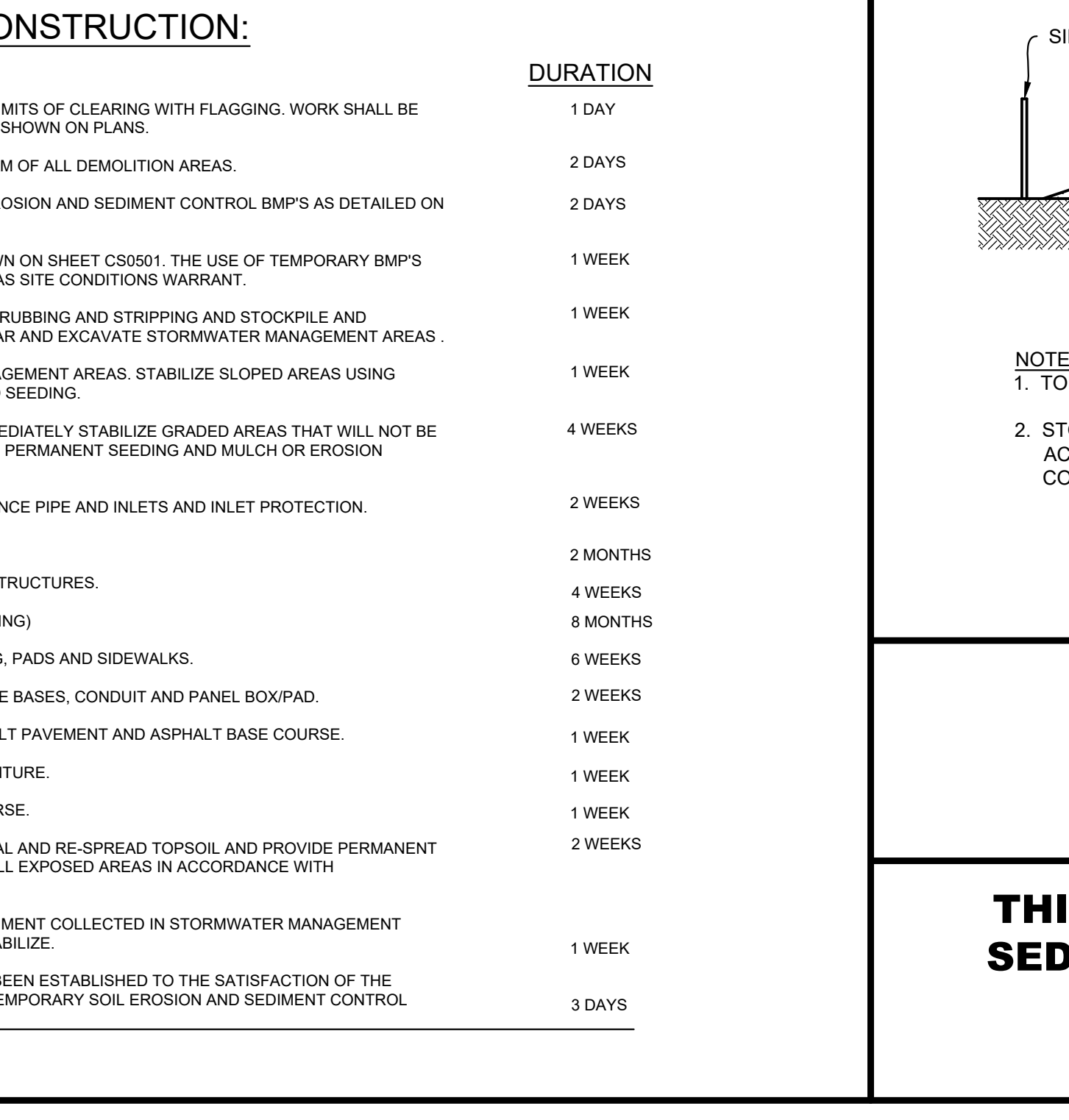
7 ROCK CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

ACID-PRODUCING SOIL NOTES

- LIMIT THE EXCAVATION AREA AND EXPOSURE TIME WHEN HIGH ACID-PRODUCING SOILS ARE ENCOUNTERED.
- TOPSOIL STRIPPED FROM THE SITE SHALL BE STORED SEPARATELY FROM TEMPORARILY STOCKPILED HIGH ACID-PRODUCING SOILS.
- STOCKPILES OF HIGH ACID-PRODUCING SOIL SHOULD BE LOCATED ON LEVEL LAND TO MINIMIZE ITS MOVEMENT, ESPECIALLY WHEN THIS MATERIAL HAS A HIGH CLAY CONTENT.
- TEMPORARILY STOCKPILED HIGH ACID-PRODUCING SOIL MATERIAL TO BE STORED MORE THAN 48 HOURS SHOULD BE COVERED WITH PROPERLY ANCHORED, HEAVY GRADE SHEETS OF POLYETHYLENE WHERE POSSIBLE. IF NOT POSSIBLE, STOCKPILES SHALL BE COVERED WITH A MINIMUM OF 3 TO 6 INCHES OF WOOD CHIPS TO MINIMIZE EROSION OF THE STOCKPILE. SILT FENCE SHALL BE INSTALLED AT THE TOE OF THE SLOPE TO CONTAIN MOVEMENT OF THE STOCKPILED MATERIAL. TOPSOIL SHALL NOT BE APPLIED TO THE STOCKPILES TO PREVENT TOPSOIL CONTAMINATION WITH HIGH ACID-PRODUCING SOIL.
- HIGH ACID-PRODUCING SOILS WITH A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE (INCLUDING BORROW FROM CUTS OR DREDGED SEDIMENT) SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS PER ACRE (OR 450 POUNDS PER 1,000 SQUARE FEET OF SURFACE AREA) AND COVERED WITH A MINIMUM OF 12 INCHES OF SETTLED SOIL WITH A PH OF 5.0 OR MORE EXCEPT AS FOLLOWS:
 - AREAS WHERE TREES OR SHRUBS ARE TO BE PLANTED SHALL BE COVERED WITH A MINIMUM OF 24 INCHES OF SOIL WITH A PH OF 5.0 OR MORE.
 - DISPOSAL AREAS SHALL NOT BE LOCATED WITHIN 24 INCHES OF ANY SURFACE OF A SLOPE OR BANK, SUCH AS BERMS, STREAM BANKS, DITCHES, AND OTHERS, TO PREVENT POTENTIAL LATERAL LEACHING DAMAGES.
- EQUIPMENT USED FOR MOVEMENT OF HIGH ACID-PRODUCING SOILS SHOULD BE CLEANED AT THE END OF EACH DAY TO PREVENT SPREADING OF HIGH ACID-PRODUCING SOIL MATERIALS TO OTHER PARTS OF THE SITE, INTO STREAMS OR STORMWATER CONVEYANCES, AND TO PROTECT MACHINERY FROM ACCELERATED RUSTING.
- NON-VEGETATIVE EROSION CONTROL PRACTICES (STONE TRACKING PADS, STRATEGICALLY PLACED LIMESTONE CHECK DAM, SEDIMENT BARRIER, WOOD CHIPS) SHOULD BE INSTALLED TO LIMIT THE MOVEMENT OF HIGH ACID-PRODUCING SOILS FROM, AROUND, OR OFF THE SITE.
- FOLLOWING BURIAL OR REMOVAL OF HIGH ACID-PRODUCING SOIL, TOPSOILING AND SEEDING OF THE SITE (SEE TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION, PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, AND TOPSOILING), MONITORING MUST CONTINUE FOR A MINIMUM OF 6 MONTHS TO ENSURE THERE IS ADEQUATE STABILIZATION AND THAT NO HIGH ACID-PRODUCING SOIL PROBLEMS EMERGE. IF PROBLEMS STILL EXIST, THE AFFECTED AREA MUST BE TREATED AS INDICATED ABOVE TO CORRECT THE PROBLEM.

SEQUENCE OF CONSTRUCTION:

ITEM	DURATION
1. MOBILIZE AND CLEARLY DEFINE LIMITS OF CLEARING WITH FLAGGING. WORK SHALL BE LIMITED TO AREAS SPECIFICALLY SHOWN ON PLANS.	1 DAY
2. INSTALL SILT FENCE DOWNSTREAM OF ALL DEMOLITION AREAS.	2 DAYS
3. INSTALL ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL BMP'S AS DETAILED ON APPROVED PLANS.	2 DAYS
4. BEGIN SITE DEMOLITION AS SHOWN ON SHEET CS0501. THE USE OF TEMPORARY BMP'S WILL NEED TO BE IMPLEMENTED AS SITE CONDITIONS WARRANT.	1 WEEK
5. COMPLETE ALL SITE CLEARING, GRUBBING AND STRIPPING AND STOCKPILE AND STABILIZATION OF TOPSOIL. CLEAR AND EXCAVATE STORMWATER MANAGEMENT AREAS.	1 WEEK
6. CONSTRUCT STORMWATER MANAGEMENT AREAS. STABILIZE SLOPED AREAS USING EROSION CONTROL MATTING AND SEEDING.	1 WEEK
7. PERFORM ROUGH GRADING. IMMEDIATELY STABILIZE GRADED AREAS THAT WILL NOT BE DISTURBED AGAIN WITH TOPSOIL, PERMANENT SEEDING AND MULCH OR EROSION CONTROL BLANKETS PER PLANS.	4 WEEKS
8. INSTALL STORMWATER CONVEYANCE PIPE AND INLETS AND INLET PROTECTION.	2 WEEKS
9. INSTALL BUILDING FOUNDATIONS.	2 MONTHS
10. INSTALL UTILITY SERVICES AND STRUCTURES.	4 WEEKS
11. BUILDING CONSTRUCTION (ONGOING)	8 MONTHS
12. CONSTRUCT CONCRETE CURBING, PADS AND SIDEWALKS.	6 WEEKS
13. INSTALL SITE LIGHTING CONCRETE BASES, CONDUIT AND PANEL BOX/PAD.	2 WEEKS
14. INSTALL STONE BASE FOR ASPHALT PAVEMENT AND ASPHALT BASE COURSE.	1 WEEK
15. INSTALL FENCING AND SITE FURNITURE.	1 WEEK
16. INSTALL ASPHALT WEARING COURSE.	1 WEEK
17. INSTALL ALL LANDSCAPE MATERIAL AND RE-SPREAD TOPSOIL AND PROVIDE PERMANENT VEGETATIVE STABILIZATION OF ALL EXPOSED AREAS IN ACCORDANCE WITH SPECIFICATIONS HEREON.	2 WEEKS
18. DEWATER AND REMOVE ANY SEDIMENT COLLECTED IN STORMWATER MANAGEMENT AREAS, SPREAD ON SITE AND STABILIZE.	1 WEEK
19. AFTER VEGETATIVE COVER HAS BEEN ESTABLISHED TO THE SATISFACTION OF THE DISTRICT INSPECTOR, REMOVE TEMPORARY SOIL EROSION AND SEDIMENT CONTROL BMP'S.	3 DAYS



8 TOPSOIL STOCKPILE DETAIL
NOT TO SCALE

NOTE: ALL SITE WORK CONSTRUCTION AND DETAILS MUST CONFORM TO THE STANDARDS OF THE CITY OF CAMDEN

THIS PLAN IS FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLY
NOT FOR CONSTRUCTION

Pennoni
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2 Aquatum Drive, Suite 320
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T 856.668.8600
NJ COA NO. CA28033300

JOSEPH RADAY
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. GE043788
11/15/24

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NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300

WHITTIER FIELD
77H AVENUE & KAIGHN AVENUE
CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

SOIL EROSION & SEDIMENT CONTROL DETAILS
KIPP COOPER NORCROSS, INC.
66 PARK PLACE, SUITE 802
NEWARK, NJ 07102

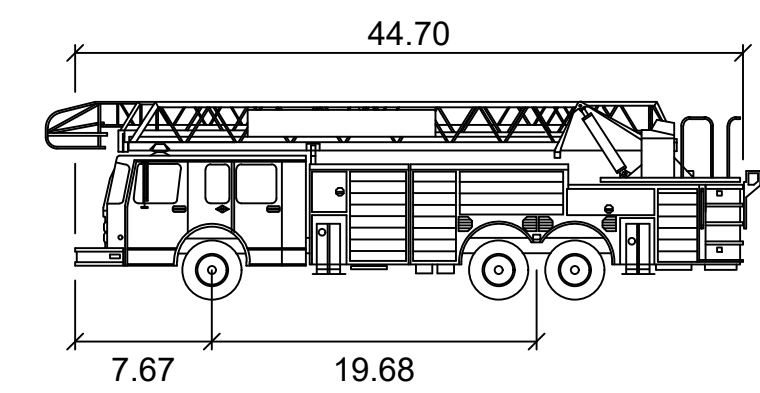
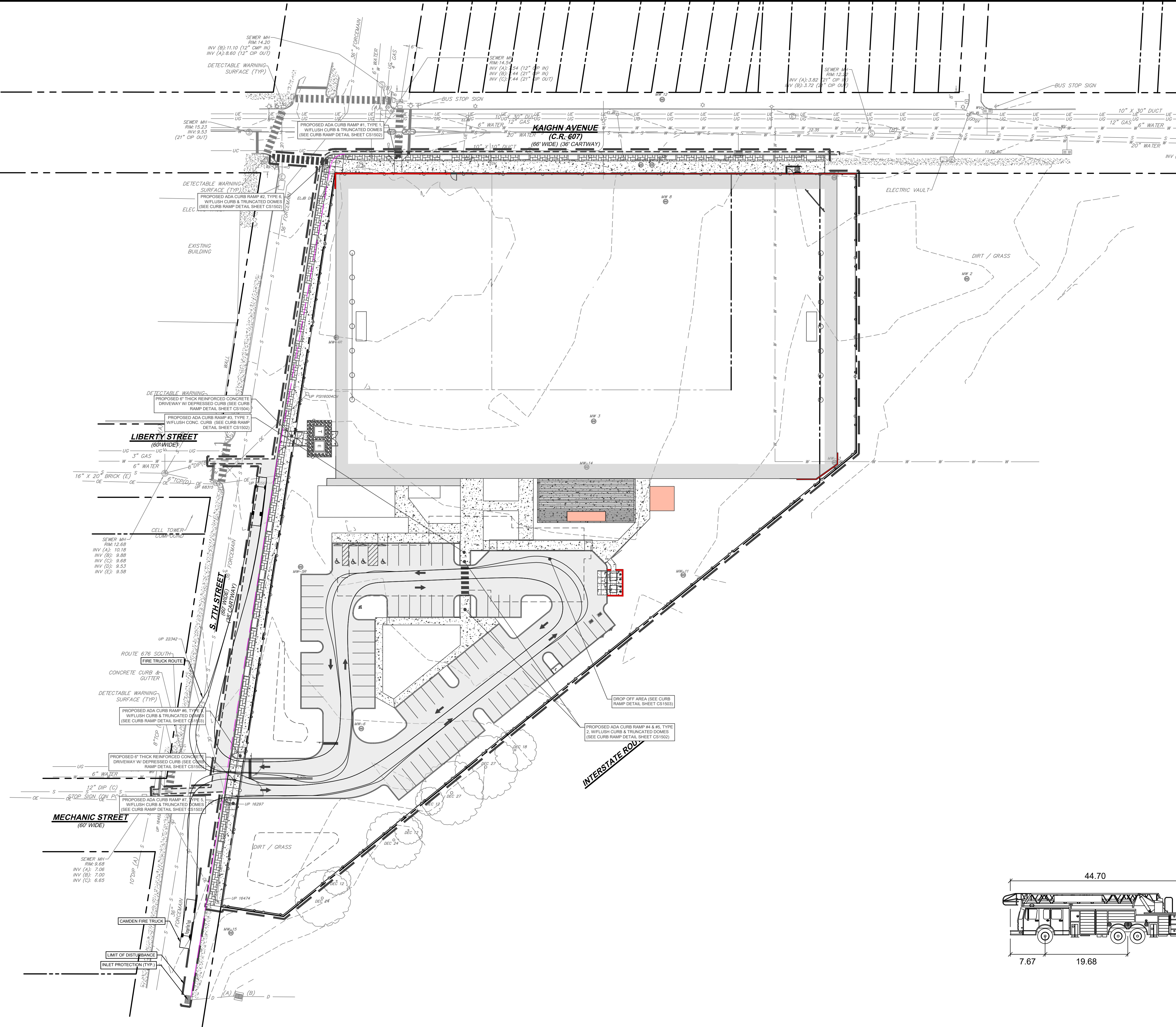
NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

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PROJECT: **KCNAX23001**
DATE: **MAY 17, 2024**
DRAWING SCALE: **N.T.S.**
DRAWN BY: **BF**
APPROVED BY: **JJR**

CS8502
SHEET **38** OF **39**

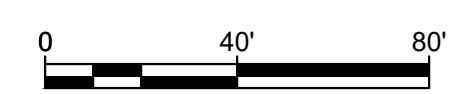
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CAMDEN FIRE TRUCK

feet

Width : 8.50
 Track : 8.50
 Lock to Lock Time : 6.0
 Steering Angle : 33.3



NOT FOR CONSTRUCTION

Pennoni

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 NJ COA NO. G428033300

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 NJ CERTIFICATE OF AUTHORIZATION NO. G428033300

JOSEPH RADAY
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. G6043788

[Signature] 11/15/24

WHITTIER FIELD
 7TH AVENUE & KAIGHN AVENUE
 CITY OF CAMDEN, CAMDEN COUNTY, NEW JERSEY

VEHICULAR CIRCULATION PLAN

KIPP COOPER NORCROSS, INC.
 60 PARK PLACE, SUITE 802
 NEWARK, NJ 07102

NO.	DATE	REVISIONS	BY
1	11/15/2024	CITY PLANNING BOARD SUBMISSION	EAB

PROJECT: **KCNAX23001**

DATE: **MAY 17, 2024**

DRAWING SCALE: **1"=**

DRAWN BY: **BF**

APPROVED BY: **JJR**

CS9801

SHEET **39** OF **39**

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 PLOTTED: 11/14/2024 11:16 AM BY: Eabraham Rabin PLOTSTYLE: Pennoni VCNL.dwt