

FIRST CHILDREN SCHOOL PRELIMINARY AND FINAL SITE PLAN APPROVAL

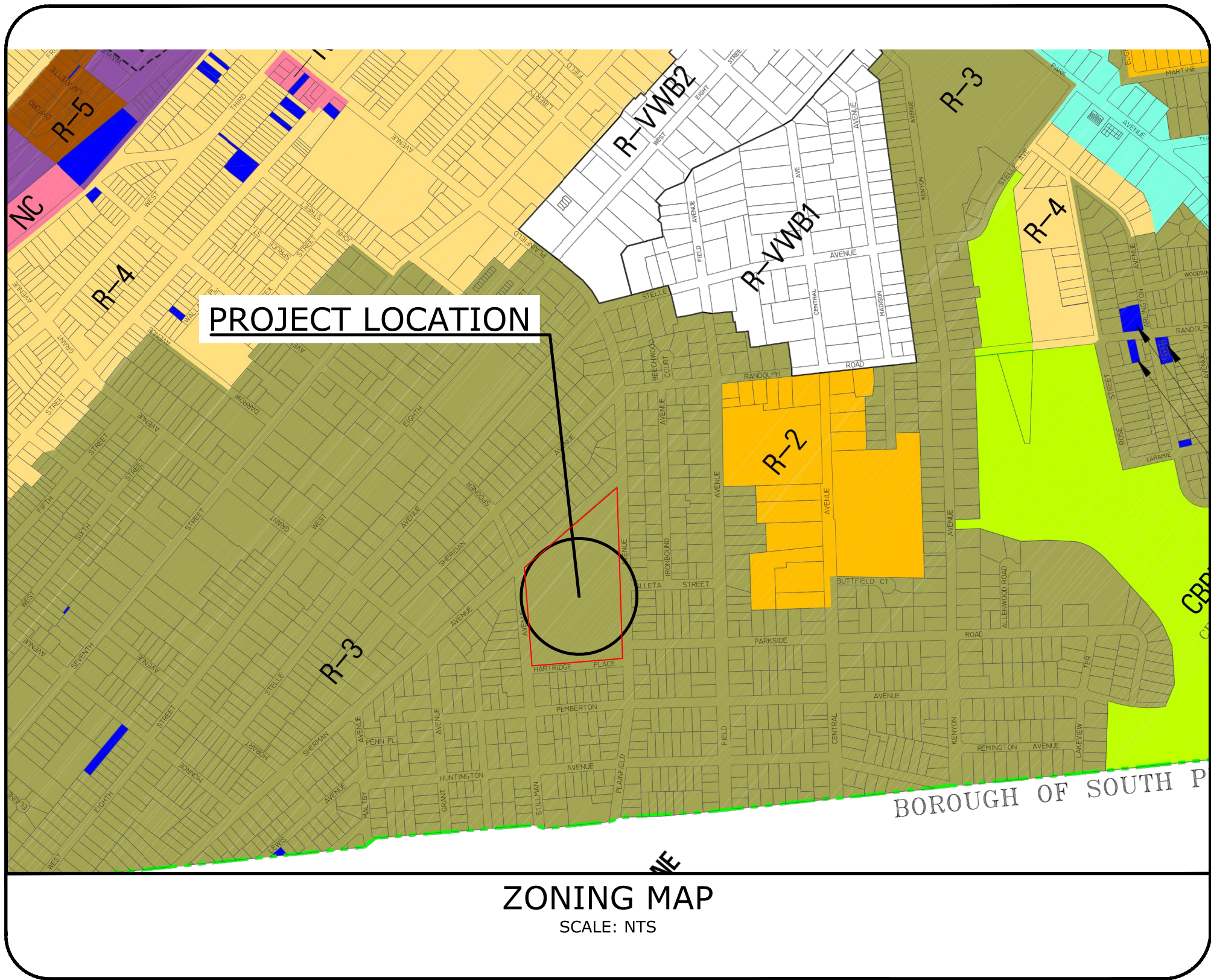
BLOCK: 509 – LOT: 1
1108 PLAINFIELD AVENUE
CITY OF PLAINFIELD,
UNION COUNTY, NEW JERSEY

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PROJECT DESCRIPTION

THE PROPOSED PROJECT CONSISTS OF A TWO-STORY 44,417 GROSS SQUARE FOOT MULTI-PURPOSE EDUCATIONAL CENTER. THE EDUCATIONAL CENTER WILL CATER TO APPROXIMATELY 103 CHILDREN FROM GRADES K THROUGH 9 WITH 20 CLASSROOMS. THE SCHOOL WILL ALSO FUNCTION AS AN AFTER SCHOOL ENRICHMENT PROGRAM FOR APPROXIMATELY 125 CHILDREN OF ELEMENTARY SCHOOL AGE. THE CENTER WILL OPERATE BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM, WITH THE AFTER SCHOOL PROGRAM SCHEDULED FOR THE EVENING. CHILDREN DROP OFF WILL OCCUR BETWEEN THE HOURS OF 8:30 AND 9:30 AM AND PICK UP WILL BE BETWEEN THE HOURS OF 2:30 PM AND 3:30 PM. THE SCHOOL WILL HAVE A TOTAL OF 90 EMPLOYEES.



PROJECTED SANITARY FLOW

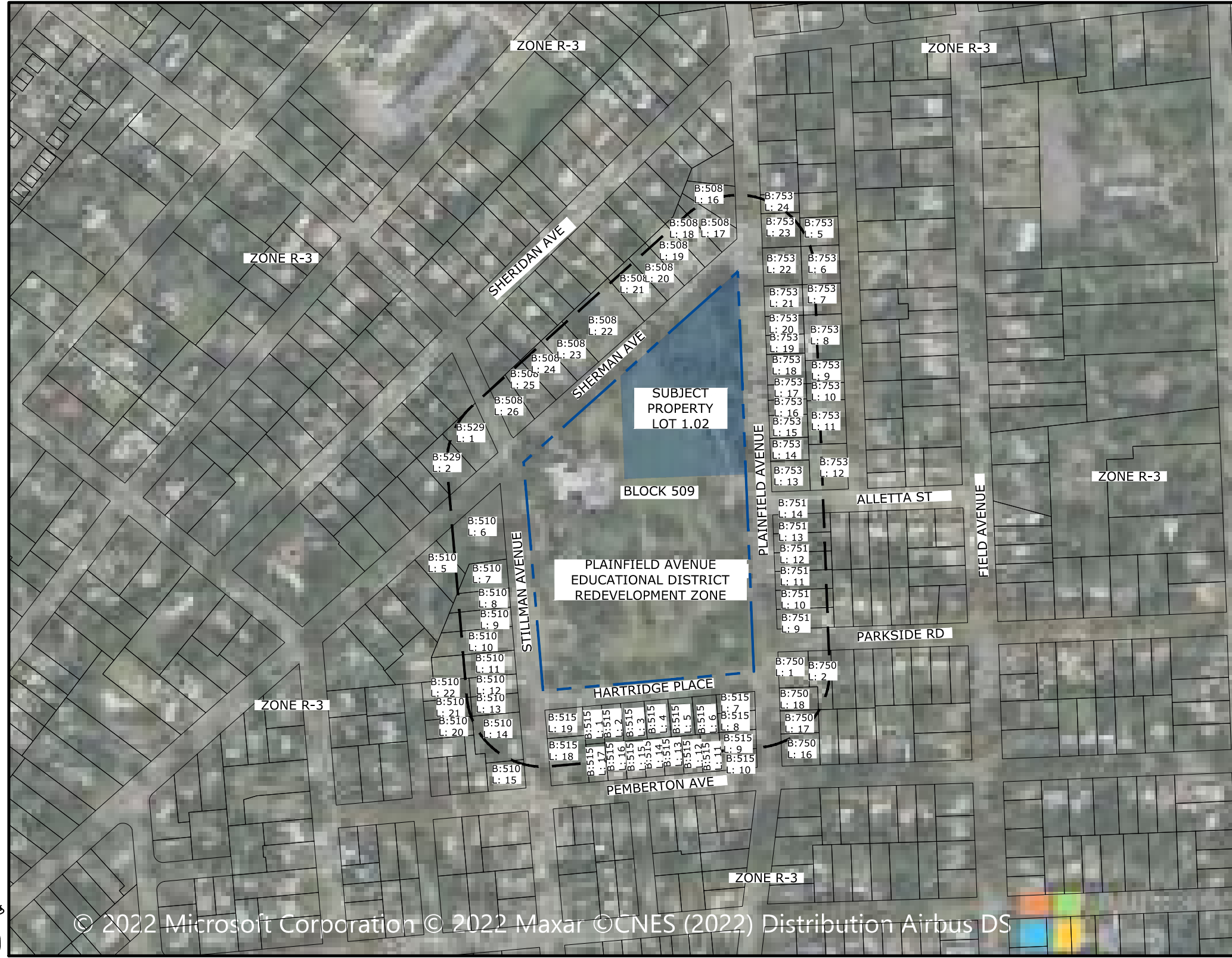
UNIT	TOTAL NUMBER OF UNITS	DAILY SEWER FLOW PER NJAC 7:14A-23	TOTAL FLOW
STUDENTS (NO SHOWER OR CAFETERIA)	103	10 GPD/UNIT	1,003 GPD
TOTAL FLOW			1,003 GPD*

* NO NJDEP TWA PERMIT REQUIRED

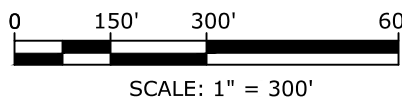
PROJECTED WATER DEMAND

UNIT	TOTAL NUMBER OF UNITS	DAILY WATER DEMAND PER NJAC 7:10-12.6	TOTAL FLOW
STUDENTS (NO SHOWER OR CAFETERIA)	103	10 GPD/UNIT	1,003 GPD
TOTAL FLOW			1,003 GPD*

* NO NJDEP WATER EXTENSION PERMIT REQUIRED



SITE LOCATION MAP



SUBJECT PROPERTY

I CONSENT TO THE FILING OF THESE DRAWINGS WITH THE PLANNING BOARD OF THE CITY OF PLAINFIELD

OWNER:
OWNER

THE KOINONIA ACADEMY
1040 PLAINFIELD AVENUE
PLAINFIELD, NJ 07060

APPLICANT:
J.G. PETRUCCI COMPANY, INC.
171 STATE ROUTE 173, SUITE 201
ASBURY, NJ 08802

I HAVE REVIEWED THESE DRAWINGS AND CERTIFY THAT IT MEETS ALL CODES AND ORDINANCES UNDER MY JURISDICTION.

CITY ENGINEER _____ DATE _____

APPROVED BY THE PLANNING BOARD OF THE CITY OF PLAINFIELD

CHAIRMAN _____ DATE _____

SECRETARY _____ DATE _____

REQUIRED PERMITS

- SOIL EROSION & SEDIMENT CONTROL PERMIT
- PMUA SANITARY PERMIT
- NJ AMERICAN WATER
- NJDEP 5G3

VARIANCES REQUESTED

NO VARIANCES REQUESTED FOR THE PROPOSED DEVELOPMENT.

DESIGN WAIVERS

- PARKING LOT LANDSCAPING (17:9-43B) FOR PARKING LOTS WITH ELEVEN (11) OR MORE SPACES, A MINIMUM OF FIVE PERCENT (5%) OF THE INTERIOR AREA OF THE PARKING LOT SHALL BE PROVIDED WITH PLANTING ISLANDS CONTAINING A MINIMUM OF ONE (1) DECIDUOUS TREE PLANTED FOR EVERY FIVE (5) PARKING SPACE ABUTTING SUCH ISLAND. PROPOSED % OF INTERIOR AREA = 1.6% REQUIRED NO. OF DECIDUOUS TREES = 3 PROPOSED NO. OF LANDSCAPE ISLAND TREES = 1
- PARKING LOT LANDSCAPING (17:9-43B.1.) - MINIMUM WIDTH OF PLANTING ISLANDS MINIMUM WIDTH SHALL BE FIVE (5) FEET ON THE SIDE OF PARKING SPACES TEN (10) FEET BETWEEN PARKING BAYS PROPOSED PLANTING ISLAND MINIMUM WIDTH = 3.5 FT
- PARKING LOT LANDSCAPING (17:9-43B.2.) - LANDSCAPING ISLAND OCCURRENCE NO MORE THAN EIGHT (8) PARKING SPACES SHALL BE PLACED IN ONE (1) ROW OF PARKING WITHOUT AN INTERVENING LANDSCAPE ISLAND PROPOSED NO. OF PARKING SPACES IN A ROW WITHOUT LANDSCAPING ISLAND = 23
- LIGHTING REQUIREMENTS (17:11-12) REQUIRED AVERAGE ILLUMINATION OF PEDESTRIAN WALKWAYS = 0.5 - 1.0 FC PROPOSED AVERAGE ILLUMINATION LEVEL OF PEDESTRIAN WALKWAYS = 2.58 FC

BULK REQUIREMENTS

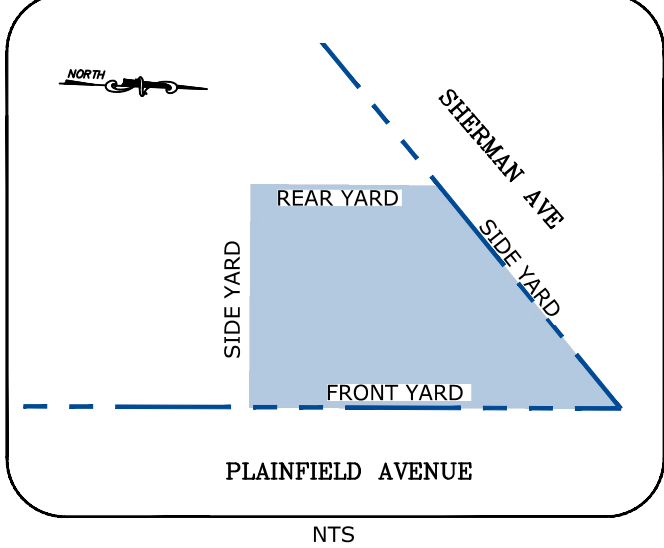
ZONE R-3 - LOW/MODERATE DENSITY RESIDENTIAL ZONE DISTRICT PLAINFIELD AVENUE EDUCATIONAL DISTRICT REDEVELOPMENT ZONE			
PROPOSED USE: SCHOOL/CHILD CARE FACILITY			
	REDEVELOPMENT ORDINANCE	EXISTING (LOT 1.02)	PROPOSED (LOT 1.02)
MINIMUM LOT AREA	43,560 SF (1 ACRE)	126,846 SF (2.91 ACRES)	126,846 SF (2.91 ACRES)
MINIMUM LOT WIDTH	200 FT	478.3 FT	478.3
MINIMUM SETBACKS			
FRONT (PLAINFIELD AVE.)	20 FT	14 FT	30 FT
SIDE (ONE/COMBINED)	10 FT/ 20 FT	139 FT/397 FT	20 FT/174.1 FT
REAR	10 FT	274 FT	200.1 FT
MAXIMUM BUILDING COVERAGE	60% (76,128 SF)	0.5% (618.2 SF)	17.4% (22,100 SF)
MAXIMUM LOT COVERAGE	80% (101,504 SF)	4.8% (6153.7 SF)	72.5% (91,955 SF)
MAXIMUM BUILDING HEIGHT (FT)	45 FT	< 45 FT	38.89 FT
MAXIMUM BUILDING STORIES	3 STORIES	2 STORIES	2 STORIES
TABLE KEY			
	NC	NO CHANGE	
	NA	NOT APPLICABLE	
	(1)	PRE-EXISTING NON CONFORMING	
	(V)	VARIANCE REQUIRED	

NOTE:
1. ZONING BULK TABLE IS BASED OFF OF THE NEWLY ADOPTED PLAINFIELD AVENUE EDUCATIONAL DISTRICT REDEVELOPMENT PLAN, DATED JANUARY 20, 2022.

NEW LOT 1.02

TOTAL PROPERTY AREA	126,846 S.F.
TOTAL BUILDING AREA	22,100 S.F.
TOTAL PAVEMENT AREA	64,164 S.F.
TOTAL PLAYGROUND AREA	5,691 S.F.
TOTAL LANDSCAPE AREA	35,564 S.F.

YARD ORIENTATION



PARKING CALCULATIONS (PER REDEVELOPMENT PLAN)

CHILDCARE FACILITY
REQUIRED - 1 SPACE PER EMPLOYEE BUT NO LESS THAN 5 SPACES
NO. OF EMPLOYEES = 90
NO. OF REQUIRED SPACES = 90
TOTAL NO. OF SPACES PROVIDED = 148
NO. OF REQUIRED HANDICAP SPACES = 5 (1 OF WHICH IS VAN ACCESSIBLE)
NO. OF HANDICAP SPACES PROVIDED = 6 (2 OF WHICH ARE VAN ACCESSIBLE)

FLOOR AREA RATIO CALCULATIONS (PER SECTION 17-1:6 DEFINITIONS)

GROSS BUILDING FLOOR AREA: 44,417 SF
PROPOSED LOT AREA AS A RESULT OF PROPOSED SUBDIVISION: 126,846 SF
FLOOR AREA RATIO (FAR): 0.35

DROP-OFF AREA

17:9-24B REQUIRED: 10 X 25
PROVIDED: 12 X 51.8

SCHEDULE OF REVISIONS				
REV.	DATE	DESCRIPTION OF CHANGES	DRAWN BY	CHK. BY
A	03/01/2022	CITY OF PLAINFIELD TRC REVIEW	ENS	JF
B	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS	JF
C	04/27/22	REVISED PER COMPLETENESS REVIEW	HB	JF

OWNER

THE KOINONIA ACADEMY
1040 PLAINFIELD AVENUE
PLAINFIELD, NJ 07060
P: 908-654-2470

APPLICANT

J.G. PETRUCCI COMPANY, INC.
171 STATE ROUTE 173, SUITE 201
ASBURY, NJ 08802
P: 908-730-6909

N.J. ENGINEERING CERTIFICATE OF
AUTHORIZATION No. 24GA28118200

E 2 PROJECT MANAGEMENT LLC

87 HIBERNIA AVENUE
ROCKAWAY, N.J. 07866
PHONE: (973) 299-5200
FAX: (973) 299-5059
www.E2PM.com



THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THEREOF. THIS DRAWING AND THE DESIGN THEREON OR CONSTRUCTION COLLUSION ARE HEREBY SET TO THE PROJECT MANAGER, LLC AND SHALL NOT BE REPRODUCED, ALTERED OR COPIED WITHOUT WRITTEN PERMISSION. SHALL NOT BE USED IN ANY MANNER DEPENDENT TO ITS INTEREST AND SHALL BE RETURNED UPON REQUEST.

I CERTIFY THAT THESE PLANS HAVE BEEN
PREPARED UNDER MY SUPERVISION

John Ferrante
4/27/22

JOHN FERRANTE, P.E. N.J. NO. 24GE02472000
LICENSED PROFESSIONAL ENGINEER

FIRST CHILDREN SCHOOL
1108 PLAINFIELD AVENUE
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

BLOCK 509
LOT 1

DRAWING TITLE

TITLE SHEET

CHECKED BY: JF

DRAWN BY: ENS

SCALE: AS SHOWN

SHEET NO: 1 OF

PROJECT #: P-21-39

FIRST ISSUE: 03/02/2022

DRAWING NO.

SP-100.00

GENERAL NOTES

- BOUNDARY AND TOPOGRAPHIC INFORMATION AND EXISTING UTILITIES SHOWN HEREON WAS TAKEN FROM A PLAN PREPARED BY E2 PROJECT MANAGEMENT, LLC ENTITLED "ALTA/NSPS LAND TITLE SURVEY THE KOINONIA ACADEMY, 1030-1108 PLAINFIELD AVENUE, CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY, BLOCK 509 LOT 1" DATED JANUARY 19, 2022.
- CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE EXCAVATING TEST PITS, IF NECESSARY, CONTRACTOR SHALL CALL FOR UTILITY MARK-OUT PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES.
- ALL SITE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF PLAINFIELD.
- CONNECTIONS TO EXISTING UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY HAVING JURISDICTION.
- CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF FIELD CONDITIONS OR CONFLICTS THAT WOULD ADVERSELY IMPACT CONSTRUCTION AS PROPOSED ON THE PLANS.
- CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGE TO EXISTING IMPROVEMENTS AND VEGETATION INTENDED TO REMAIN.
- ALL EXISTING ONSITE IMPROVEMENTS SHALL BE REMOVED UNLESS NOTED OTHERWISE.
- E2 PROJECT MANAGEMENT LLC ASSUMES NO RESPONSIBILITY FOR THE METHODS, TECHNIQUES OR PROCEDURES OF CONSTRUCTION, FOR SAFETY MEASURES OR PRECAUTIONS RELATED TO CONSTRUCTION, OR ANY FAILURE TO COMPLY WITH APPLICABLE LAWS, REGULATIONS, ORDINANCES OR CODES.
- ANY STRUCTURES TO BE REMOVED SHALL HAVE EXCAVATIONS BACKFILLED WITH STRUCTURAL FILL AND PROPERLY COMPACTED, AS PER PROJECT SPECIFICATIONS.
- PER FEMA MAP 3403SC0039F, THE PROJECT PROPERTY DOES NOT CONTAIN ANY LAND WITHIN A DELINEATED FLOOD HAZARD AREA.
- NO CONSTRUCTION SHALL TAKE PLACE UNTIL A PRE-CONSTRUCTION CONFERENCE HAS BEEN HELD WITH THE TOWNSHIP ENGINEER. SUCH MEETING SHALL INCLUDE SUCH PERSONNEL AS THE TOWNSHIP ENGINEER MAY REQUIRE.
- THE MAXIMUM PERMITTED SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL FOR ALL SITE GRADING.
- ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH STRAW OR THEN HAY AND TACKED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS. SEE SOIL EROSION AND SEDIMENT CONTROL NOTES FOR SEEDING SPECIFICATIONS.
- ALL CONSTRUCTION SHOW HEREIN SHALL CONFORM TO MUNICIPAL/COUNTY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS AND N.J. DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED, UNLESS SPECIFICALLY SHOWN OTHERWISE HEREIN. IN CASE OF CONFLICT, THE MORE RESTRICTIVE SHALL GOVERN. CONTRACTOR SHALL NOTIFY DESIGN ENGINEER OF ANY QUESTIONS REGARDING CONFLICTS.
- HANDICAPPED RAMPS AND CURB CUTS WILL BE PROVIDED AT ALL INTERSECTIONS AND PEDESTRIAN CROSSINGS, AS PER DETAILS.
- ANY DAMAGE TO THE RIGHT-OF-WAY MUST BE REPAIRED/INSTALLED TO EQUAL STANDARDS.

UTILITY NOTES

- THE SUBJECT PROPERTY HAS NUMEROUS RESIDENTIAL BUILDINGS. ALL THE HISTORICAL BUILDINGS HAVE BEEN DEMOLISHED. HOWEVER, THE SITE MOST LIKELY HAS SUBSURFACE OBSTRUCTIONS SUCH AS FOUNDATIONS, PITS, SLABS, AND UTILITY LINES. CONTRACTOR SHALL TAKE APPROXIMATE PRECAUTIONS.
- GAS, ELECTRIC, TELEPHONE, WATER AND CABLE LINES MAY BE INSTALLED BY THE RESPECTIVE UTILITY. THE EXACT LOCATION OF EACH MAIN SHALL BE COORDINATED BY THE OWNER/GENERAL CONTRACTOR AND SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
- ALL NEW UTILITIES SHALL BE INSTALLED UNDERGROUND, EXCEPT WHERE OTHERWISE NOTED.
- EXISTING INLETS SHALL BE RELOCATED AND/OR RESET TO MATCH TO THE NEW CURB LINE WHERE SHOWN.
- ALL PROPOSED ELECTRICAL TRANSFORMERS SHALL BE LOCATED INSIDE A BUILDING OR ON A CONCRETE SLAB AS PER PSE&G STANDARDS..
- DESIGN OF ELECTRICAL UTILITIES FROM THE ELECTRICAL POLES TO THE TRANSFORMERS INCLUDING PRIMARY CONDUITS, PULLBOXES, MANHOLES, AND TRANSFORMER VAULTS ARE PENDING PSE&G APPROVAL. PSE&G APPROVAL WILL BE FOUND ON SEPARATE DRAWINGS FROM THIS SET.
- ALL 40" DRAINAGE PIPE SHALL MEET OR EXCEED THE REQUIREMENTS SPECIFICATION FOR ASTM C76 "STANDARD SPECIFICATION FOR REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE", LATEST VERSION, IN CONFORMANCE WITH THE FOLLOWING.
-PIPES WITH COVER EQUAL TO OR LESS THAN 3 FT. SHALL BE CLASS IV PIPE
-PIPES WITH COVER GREATER THAN 3 FT. SHALL BE CLASS III.
-ALL PIPES SHALL UTILIZE A CLASS C WALL THICKNESS.
-ALL PIPE REACHES SHALL BE CONSTRUCTED USING THE SAME CLASS AND WALL THICKNESS PIPE.
- ALL CATCH BASINS SHALL BE NJDOT TYPE "A", "B" OR "E".
- CONTRACTOR SHALL COORDINATE FIRE HYDRANT LOCATIONS WITH THE FIRE DEPARTMENT PRIOR TO INSTALLATION. A PLAN OF SAME SHALL BE SUBMITTED TO THE DESIGN ENGINEER.
- SANITARY SEWER MANHOLE RIMS SHALL BE RESET TO PROPOSED NEW PAVEMENT GRADE AS REQUIRED.
- EXISTING WATER VALVE AND GAS VALVE BOXES SHALL BE RESET TO PROPOSED NEW PAVEMENT GRADE AS REQUIRED.
- A MINIMUM HORIZONTAL DISTANCE OF 10 FT OR A MINIMUM OF 18" VERTICAL DISTANCE IS REQUIRED BETWEEN SANITARY SEWER AND POTABLE WATER PIPING. IF EITHER OF THESE DISTANCES CANNOT BE ACHIEVED, THE SANITARY SEWER SHALL BE ENCASED IN CONCRETE AT THE CONFLICT LOCATION.
- ALL WATER UTILITY INSTALLATIONS SHALL CONFORM TO THE LATEST AMERICAN WATER WORKS ASSOCIATION SPECIFICATIONS. WATER SYSTEMS SHALL BE INSTALLED PER THE NEW JERSEY PLUMBING CODE AND AS PER THE REQUIREMENTS OF AMERICAN WATER WORKS COMPANY, SHORT HILLS, NEW JERSEY.
- ALL PROPOSED WATER MAINS, LOOPS, AND FIRE AND DOMESTIC WATER SERVICE SIZES SHOWN, WILL BE ADJUSTED AND SIZED BASED UPON THE RESULTS OF FIRE FLOW TESTS AND SUBSEQUENT DESIGN CALCULATIONS TO BE PROVIDED BY OTHERS.
- ALL BUILDINGS WILL BE FIRE PROTECTED WITH FIRE ALARMS, FIRE DEPARTMENT TIE-INS, SPRINKLER SYSTEMS, STANDPIPES, AND SHAMOSE CONNECTIONS. THE DRAUGHTING STATION WILL BE AS DIRECTED BY THE CITY OF PLAINFIELD FIRE DEPT. ALL CONSTRUCTION WILL BE IN KEEPING WITH ALL APPLICABLE FIRE CODES. FOR DETAILS SEE MECHANICAL ELECTRIC AND PLUMBING PLANS.
- ALL WATER MAINS SHALL CROSS ABOVE SANITARY MAINS. A TYPICAL CROSSING SHOULD PROVIDE 18 INCHES OF CLEARANCE. IF LESS THEN 18 INCHES IS PROVIDED THE CROSSINGS MUST BE CONSTRUCTED AS SHOWN ON THE "WATER MAINS/SANITARY MAIN CROSSING WITH LESS THEN 18" CLEARANCE" DETAIL. WATER MAINS MUST CROSS WITH A MINIMUM 6" CLEARANCE ABOVE SANITARY MAINS.

SOIL AND WASTE MANAGEMENT

- SOIL, WASTE, SURFACE WATER, AND GROUNDWATER MANAGEMENT SHALL BE COORDINATED WITH THE APPROVED REMEDIAL ACTION WORK PLAN (RAWP) AND WITH THE SITE LICENSED SITE REMEDIATION PROFESSIONAL (LSRP).
- A SITE SPECIFIC HEALTH AND SAFETY PLAN (HASP) SHALL BE PREPARED, SUBMITTED AND IMPLEMENTED BY CONTRACTOR IN ACCORDANCE WITH RAWP AND IN ACCORDANCE WITH ALL APPLICABLE HEALTH AND SAFETY REQUIREMENTS FOR WORK IN AND WITH CONTAMINATED SOIL AND GROUNDWATER. THE HASP SHALL GOVERN ALL HEALTH AND SAFETY FACETS OF THE PROJECT CONSTRUCTION AND ENCOMPASS THE ACTIVITIES OF ALL PERSONS WHO ENTER THE SITE.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER FOR APPROVAL A SITE SPECIFIC MATERIAL HANDLING PLAN (MHP) IN ACCORDANCE WITH ALL APPLICABLE REGULATORY REQUIREMENTS ASSOCIATED WITH CONTAMINATED SOIL AND GROUNDWATER HANDLING THROUGHOUT THE COURSE OF THE PROJECT AND AS DIRECTED BY THIS SOIL MANAGEMENT PLAN (SMP). THE MHP WILL DESCRIBE:
 - CONTAMINATED SOIL MANAGEMENT, INCLUDING EXCAVATION, STAGING, RE-USE, WASTE CHARACTERIZATION, AND OFF-SITE TRANSPORTATION AND RECYCLING/DISPOSAL;
 - CONTAMINATED GROUNDWATER MANAGEMENT;
 - SOIL EROSION AND SEDIMENT CONTROL;
 - MANAGEMENT OF NON REGULATED WASTE SUCH AS CONSTRUCTION DEMOLITION DEBRIS;
 - IDENTIFICATION OF TRANSPORTERS THAT WILL BE USED TO TRANSPORT EACH WASTE STREAM;
 - TO THE RECYCLING OR TSD FACILITY, INCLUDING CERTIFICATIONS DEMONSTRATING THAT EACH TRANSPORTER IS CURRENTLY PERMITTED TO TRANSPORT THE DESIGNATED WASTE STREAM;
 - IDENTIFICATION OF FACILITIES TO BE USED FOR RECYCLING OR DISPOSAL OF WASTE STREAMS, AND CERTIFICATIONS DEMONSTRATING THAT EACH FACILITY IS CURRENTLY PERMITTED TO ACCEPT DESIGNATED WASTE STREAM;
 - IDENTIFICATION OF LABORATORIES TO BE USED FOR ANALYZING SAMPLES OF EACH WASTE STREAM AND CERTIFICATIONS DEMONSTRATING THAT EACH LABORATORY IS CURRENTLY CERTIFIED BY THE STATE OF NEW JERSEY AND/OR APPROVED BY THE RECEIVING FACILITY TO PERFORM THE ANALYSES;
 - IDENTIFICATION OF ALL PERMITS/APPROVALS REQUIRED TO EXECUTE THE WORK AS WELL AS THE ASSOCIATED FEES AND LEAD TIME NEEDED TO ACQUIRE THEM;
 - QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES; AND METHOD TO BE EMPLOYED DURING THE PROJECT TO DOCUMENT LOCATION AND QUANTITIES OF CONTAMINATED MATERIALS GENERATED, RE-USED AND RECYCLED/DISPOSED.
- THE CONTRACTOR SHALL PROVIDE ALL PERSONNEL, MATERIALS AND EQUIPMENT NEEDED TO PROPERLY STOCK PILE EXCAVATED MATERIAL AT THE EXCAVATION AND IN TEMPORARY STOCKPILES. IF NEEDED, ANY TEMPORARY STOCKPILE(S) SHALL BE LOCATED AT AREA(S) SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- TEMPORARY STOCKPILES OF CONTAMINATED SOIL SHALL ONLY BE PLACED ON DRY AREAS ON A LAYER OF MINIMUM 30 MILLIMETERS THICK HDPE SHEETING OR ENGINEER APPROVED EQUAL AND CONTAINED WITH STRAW BALES OR SILT FENCE PLACED CONTINUOUSLY AT THE PERIMETER OF THE TEMPORARY STOCKPILE(S). ALL JOINTS IN THE UNDERLYING HDPE SHEETING SHALL OVERLAP WITH A MINIMUM OF 300 MILLIMETERS AT THE ENDS. THE CONTRACTOR SHALL SEGREGATE MATERIAL OF DIFFERING TYPES AND DEGREES OF CONTAMINATION SO AS TO PREVENT CROSS-CONTAMINATION OF UNCONTAMINATED MATERIAL. PROPERLY LINED AND SEALED ROLL-OFF BINS ARE AN ACCEPTABLE ALTERNATIVE.
- REGULATED CONTAMINATED WASTE SHALL NOT BE STOCKPILED FOR MORE THAN 30 DAYS.
- THE CONTRACTOR SHALL PROVIDE PROTECTION AND ON-GOING MAINTENANCE OF THE TEMPORARY STOCKPILES OF SOIL AND OPEN EXCAVATIONS TO PREVENT THE INFILTRATION OF STORMWATER, MIGRATION OF CONTAMINANTS, DUSTING, EROSION AND UNAUTHORIZED CONTACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THESE PROPER PROTECTION AND MAINTENANCE MEASURES UNTIL COMPLETION OF THE WORK AND ACCEPTANCE BY THE ENGINEER.
- DURING ALL SOIL MANAGEMENT OPERATIONS, THE CONTRACTOR SHALL MONITOR AND RECORD, ON DAILY SOIL TRACKING LOGS, THE SOURCE LOCATION, TYPE, QUANTITY, AND DESTINATION OF MATERIAL EXCAVATED, BACKFILLED, REUSED, TEMPORARILY STOCKPILED, AND RECYCLED OR DISPOSED. THE CONTRACTOR SHALL SUBMIT THE DAILY SOIL TRACKING LOG TO THE ENGINEER FOR EACH WORKDAY. THE DAILY SOIL TRACKING LOG SHALL CONTAIN, AT A MINIMUM, THE FOLLOWING INFORMATION:
 - DATE;
 - NAME(S) AND SIGNATURE(S) OF THE CONTRACTOR REPRESENTATIVE(S) RESPONSIBLE FOR PREPARING AND EXECUTING THE SOIL USAGE LOG;
 - LOCATION(S) OF EXCAVATION AND PLACEMENT OF SOIL BY SOIL CATEGORY REFERENCED TO CROSS SECTIONS AND SITE MAP;
 - SOURCE AND QUANTITY OF CONTAMINATED SOIL EXCAVATED BY TYPE, HISTORIC FILL BACKFILLED AND REGULATED WASTE REMOVED;
 - SOURCE AND QUANTITY OF NON REGULATED WASTE REMOVED;
 - SOURCE AND QUANTITY OF CLEAN IMPORTED MATERIAL USED FOR COMMON BACKFILL, BASE MATERIAL BENEATH PAVEMENT AND STRUCTURAL SLABS AND/OR ENGINEERING CONTROL;
 - NET BALANCE SHEET BY SOIL/WASTE CATEGORY AND EXPLANATIONS OF WEIGHT DISCREPANCIES; AND
 - RECORDS OF SAMPLE RESULTS AND ANY SHIPPING MANIFESTS THAT APPLY.
- ALL NEW MATERIALS AND SOIL BROUGHT TO THE SITE MUST BE "CERTIFIED CLEAN" MATERIAL, IN ACCORDANCE WITH NJDEP REQUIREMENTS.
- THE CONTRACTOR'S WORK SHALL INCLUDE THE SAMPLING AND ANALYSES FOR DISPOSAL AND/OR RECYCLING FACILITY APPROVAL OF ALL REGULATED WASTE DESIGNATED BY THE ENGINEER AS EXCESS, UNSUITABLE OR UNSUITABLE MATERIAL FOR THE PROJECT. SAMPLING AND ANALYSES SHALL FOLLOW THE REQUIREMENTS OF THE RECEIVING FACILITY AND THE NJDEP GUIDANCE DOCUMENT FOR THE MANAGEMENT OF EXCAVATED SOILS, AS APPLICABLE.
- ALL VEHICLES LEAVING THE SITE WITH REGULATED WASTE SHALL BE INSPECTED BY THE CONTRACTOR TO ENSURE THAT NO EXCESS SOIL ADHERES TO THE WHEELS OR UNDER CARRIAGE OF THE VEHICLES, AND THAT THE VEHICLES ARE PROPERLY LINED, SECURELY COVERED AND EQUIPPED TO PREVENT LEAKAGE OF WATER. IN THE EVENT OF LEAKAGE OF SOIL OR WATER TO THE PUBLIC ROADS, THE CONTRACTOR SHALL IMMEDIATELY CLEAN THE ROAD TO RESTORE IT TO THE ORIGINAL CONDITION AND IMMEDIATELY NOTIFY THE ENGINEER VERBALLY AND PROVIDE A WRITTEN FOLLOW-UP REPORT CITING THE DETAILS.

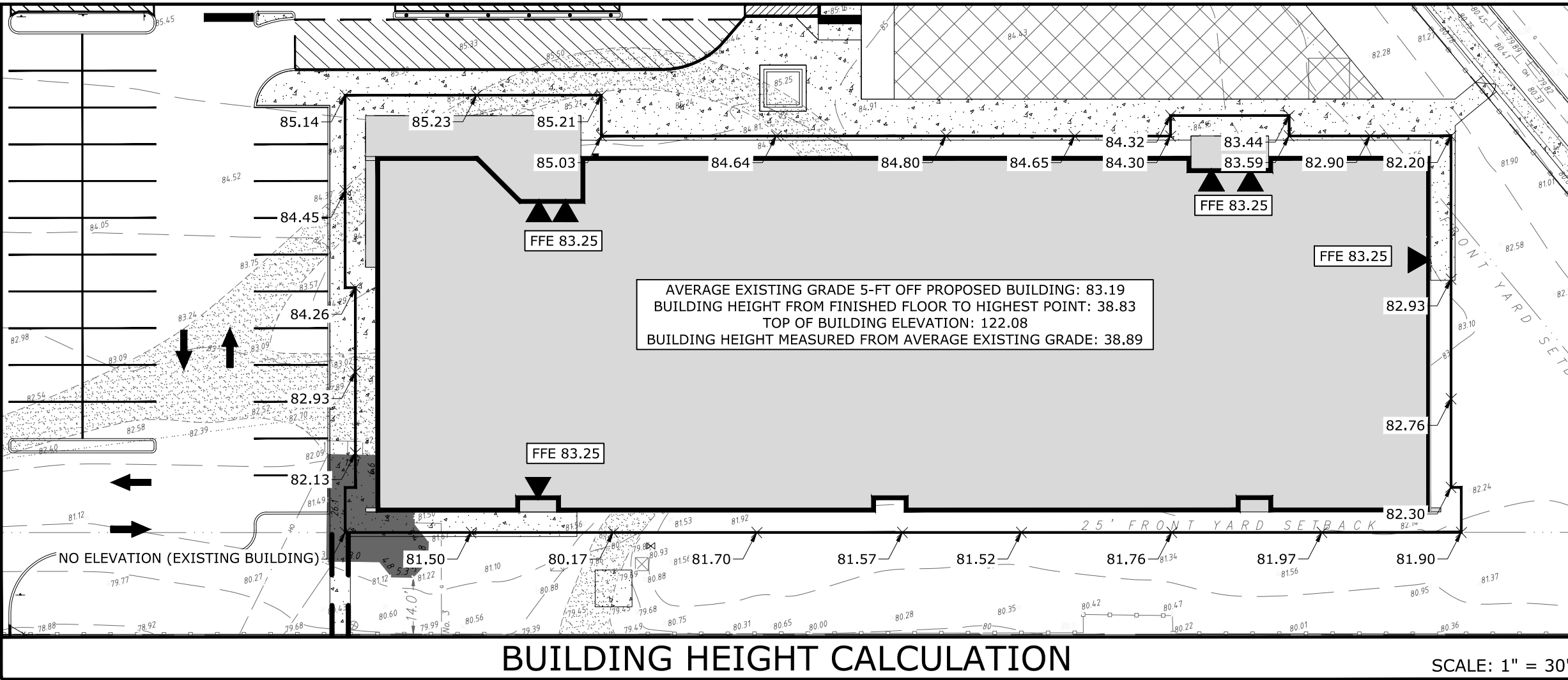
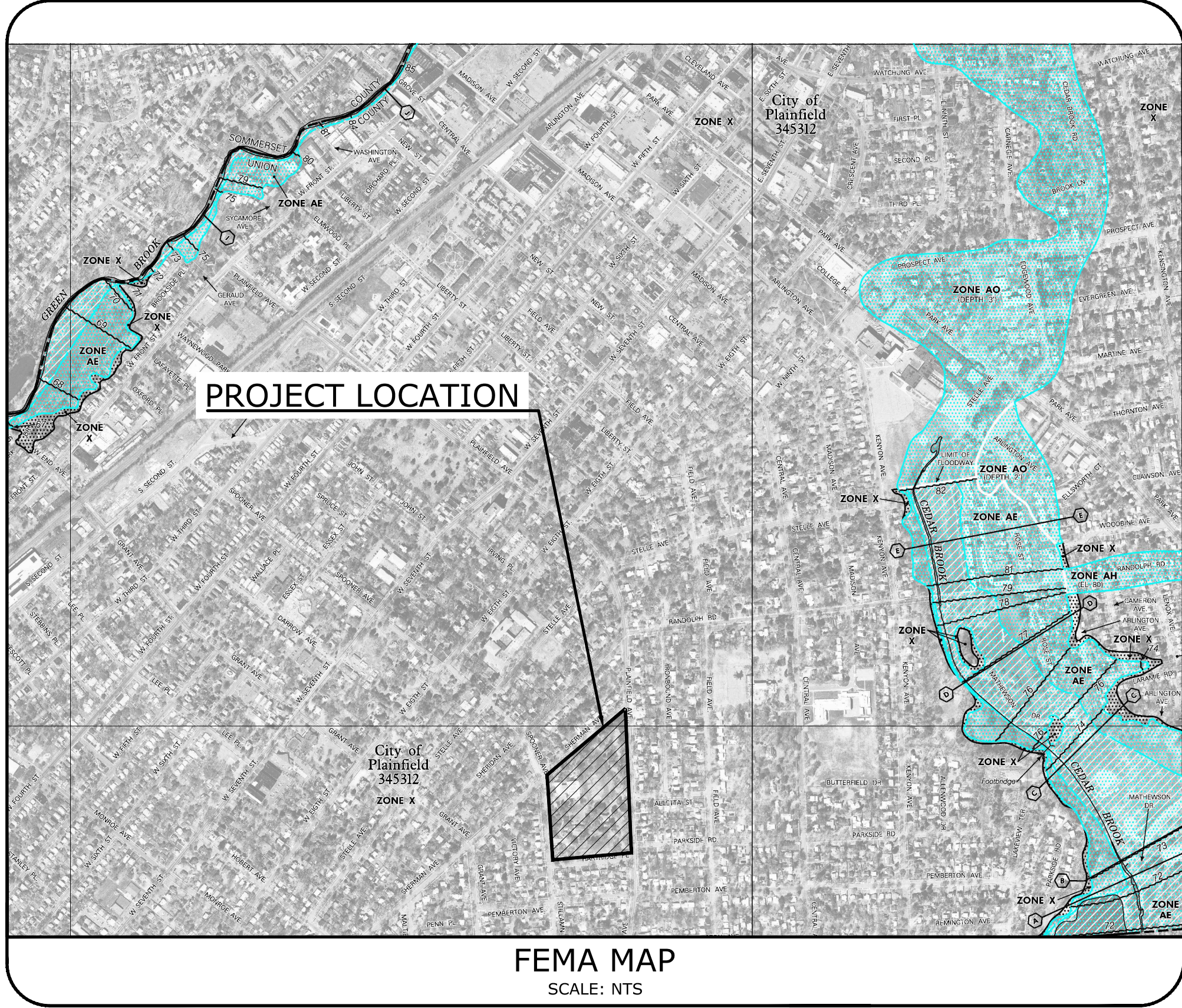
STORMWATER AND GROUNDWATER MANAGEMENT DURING SOIL EXCAVATION

- THE CONTRACTOR SHALL PREPARE AND IMPLEMENT A STORMWATER AND GROUNDWATER MANAGEMENT AND CONTROL PLAN TO MANAGE SURFACE WATER AND GROUNDWATER. THE CONTRACTOR SHALL IDENTIFY ALL REQUIRED PERMITS ON THE MHP AND CONTRACTOR'S PROJECT SCHEDULE ALLOWING ADEQUATE TIME FOR SECURING ALL REQUIRED PERMITS IN TIME FOR CONSTRUCTION.
- THE CONTRACTOR'S PLAN SHALL SPECIFY METHODS AND EQUIPMENT FOR COLLECTING, PUMPING, TREATING AND DISPOSING OF LIQUIDS GENERATED DURING STORM WATER CONTROL AND DEWATERING; MEASURES TO PREVENT STORM WATER RUN-ON AND RUN-OFF; DEWATERING OF EXCAVATIONS; DECONTAMINATING PERSONNEL AND EQUIPMENT; AND STORING FUELS AND CHEMICALS. THE CONTRACTOR'S PLAN SHALL ALSO IDENTIFY THE APPLICABLE PERMITTING, MONITORING AND REPORTING REQUIREMENTS.
- STORM AND GROUND WATERS REMOVED FROM EXCAVATIONS IN AREAS OF POTENTIALLY CONTAMINATED SOILS OR GROUNDWATER SHALL BE PASSED THROUGH A TREATMENT SYSTEM THEN DISCHARGED INTO A INFILTRATION BASIN CONSTRUCTED WITHIN THE PROJECT AREA TO PERCOLATE BACK INTO LOCAL GROUNDWATER. THE BASIN(S) WILL BE CONSTRUCTED WITHIN CLOSE PROXIMITY TO THE EXCAVATIONS AND BE DESIGNED TO PREVENT SPREAD OF CONTAMINATION INTO PREVIOUSLY UNCONTAMINATED MEDIA. THE CONTRACTOR WILL OBTAIN APPROVAL FOR PERCOLATION OF CONTAMINATED GROUNDWATER FROM THE NJDEP VIA AN NJDEP ON-SCENE COORDINATOR DISCHARGE AUTHORITY LETTER. THIS APPROVAL WILL BE ISSUED BASED UPON NJDEP REVIEW AND ACCEPTANCE OF THE CONTRACTOR'S PLAN, AS AN ALTERNATE, EFFLUENT MAY BE DISCHARGED TO THE NORTH HUDSON SEWERAGE AUTHORITY WITH APPROPRIATE PERMITS AND APPROVAL.
- THE CONTRACTOR SHALL MAINTAIN A DAILY LOG DOCUMENTING CONTAMINATED GROUNDWATER AND SURFACE WATER COLLECTION AND HANDLING ACTIVITIES, AND SHALL MAKE THE LOG AVAILABLE TO THE ENGINEER UPON REQUEST. THE LOG SHALL NOTE DAILY WATER REMOVAL, TREATMENT AND DISCHARGE VOLUMES, EFFLUENT SAMPLING ACTIVITIES AND RESULTS (IF REQUIRED), DISCHARGE OR SOIL INCIDENTS, REPORTING ACTIVITIES AND PERTINENT FIELD OBSERVATIONS SUCH AS SHEEN, ODOR, TURBIDITY, AND RUN-ON AND RUN-OFF.

200' PROPERTY OWNER'S LIST

OWNER & ADDRESS REPORT									
BLOCK	LOT	QUAL	CLA	PROPERTY OWNER	PROPERTY LOCATION	Ass't Lots	BLOCK	LOT	QUAL
508	16		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		510	12	
508	17		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		510	14	
508	18		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		510	15	
508	19		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		510	20	
508	20		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		510	21	
508	21		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		510	22	
508	22		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	1	
508	23		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	2	
508	24		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	3	
508	25		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	4	
508	26		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	5	
510	5		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	6	
510	6		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	7	
510	7		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	8	
510	8		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	9	
510	9		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	10	
510	10		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	11	
510	11		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	12	
510	12		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		515	13	

OWNER & ADDRESS REPORT									
BLOCK	LOT	QUAL	CLA	PROPERTY OWNER	PROPERTY LOCATION	Ass't Lots	BLOCK	LOT	QUAL
713	10		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	11	
713	11		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	12	
713	12		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	13	
713	13		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	14	
713	14		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	15	
713	15		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	16	
713	16		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	17	
713	17		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	18	
713	18		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	19	
713	19		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	20	
713	20		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	21	
713	21		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	22	
713	22		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	23	
713	23		2	MORRIS, JEFFREY 1030-1108 PLAINFIELD AVE PLAINFIELD, NJ	1030-24 PLAINFIELD AVE		713	24	



SCHEDULE OF REVISIONS				
REV.	DATE	DESCRIPTION OF CHANGES	DRAWN BY	CHK. BY
A	03/01/2022	CITY OF PLAINFIELD TRC REVIEW	ENS	JF
B	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS	JF
C	04/27/22	REVISED PER COMPLETENESS REVIEW	HB	JF

OWNER

THE KOINONIA ACADEMY
1040 PLAINFIELD AVENUE
PLAINFIELD, NJ 07060
P: 908-654-2470

APPLICANT

J.G. PETRUCCI COMPANY, INC.
171 STATE ROUTE 173, SUITE 201
ASBURY, NJ 08802
P: 908-730-6909

N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200

E 2 PROJECT MANAGEMENT LLC

87 HIBERNIA AVENUE
ROCKAWAY, N.J. 07866
PHONE: (973) 299-5200
FAX: (973) 299-5055
www.E2PM.com

I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

JOHN FERRANTE, P.E. N.J. No. 24GE02472000
LICENSED PROFESSIONAL ENGINEER

FIRST CHILDREN SCHOOL
1108 PLAINFIELD AVENUE
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

BLOCK 509
LOT 1

DRAWING TITLE
GENERAL NOTES, MAPS AND 200' PROPERTY OWNER'S LIST

CHECKED BY: JF DRAWN BY: ENS

SCALE: SHEET NO: OF

PROJECT #: P-21-39 FIRST ISSUE: 03/02/2022

DRAWING NO.

SP-101.00

DEMOLITION NOTES

- DURING SITE DEMOLITION AND REPAIRS, THE FOLLOWING FEATURES SHALL REMAIN UNLESS SPECIFIED:
 - EXISTING CURBS
 - EXISTING SIDEWALKS
 - EXISTING TREES (SIDEWALK)
 - EXISTING LIGHT POLES WITHIN R.O.W.
 - EXISTING UTILITY POLES WITHIN R.O.W.
 - EXISTING UNDERGROUND UTILITIES
 - EXISTING STREET SIGNS
- SURVEY EXISTING BUILDINGS FOR HAZARDOUS WASTE. REMOVE ALL HAZARDOUS WASTE AND SOLID WASTE PRIOR TO DEMOLITION PER STATE AND FEDERAL RULES AND REGULATIONS.
- INSTALL ANTI-VERMIN MEASURES 30 DAYS PRIOR TO DEMOLITION.
- ALL EXISTING ADA RAMPS AT EACH STREET CORNER SHALL NOT BE DEMOLISHED.
- ALL EXISTING U/G UTILITIES ENTERING THE SITE SHALL BE RE-LOCATED OR REMOVED IN ACCORDANCE WITH APPLICABLE REGULATIONS PRIOR TO ANY DEMOLITION IF THEY CONFLICT WITH ANY OF THE PROPOSED IMPROVEMENTS.
- ALL EXISTING MANHOLES, VALVE BOXES, UTILITY ACCESS, CATCH BASINS ETC. SHALL BE PROTECTED AND NOT DAMAGED. RESET THE TOP OF RIMS AS NOTED ON PLANS.
- CATCH BASINS AND MANHOLES SHOWN SHALL BE CLEANED OUT AS DIRECTED.
- EXISTING FIRE HYDRANTS SHALL BE PROTECTED AND MAINTAINED ACTIVE THROUGHOUT THE DEMOLITION AND CONSTRUCTION OF THE PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL U/G OBSTRUCTIONS AND DISPOSING OF ALL EXCAVATED SOILS AND SPOILS.
- ALL DAMAGED PUBLIC PROPERTY, INCLUDING BUT NOT LIMITED TO, CURBING, LIGHT POLES, LANDSCAPING, ETC. TO BE PROTECTED DURING DEMOLITION AND CONSTRUCTION.
- ANY DAMAGE TO THE PUBLIC RIGHT OF WAY MUST BE REPAIRED/INSTALLED TO EQUAL STANDARDS.
- PEDESTRIAN ACCESS ALONG PUBLIC STREETS TO BE MAINTAINED AT ALL TIMES.
- APPLICANT AND PLANNING DIVISION SHALL COORDINATE WITH PSEG FOR THE REMOVAL OF FLOODLIGHTS MOUNTED ON TWO (2) UTILITY POLES ON WEST THIRD STREET.
- EXISTING LATERALS SHALL BE CAPPED AND ABANDONED IN PLACE PER PMUA REGULATIONS. LATERAL CAPPING MUST BE OBSSESSED BY PMUA STAFF.

EXISTING TREE PROTECTION & REMOVAL NOTES

- EXISTING TREES THAT ARE TO REMAIN SHALL BE PROTECTED WITH TREE FENCING INSTALLED PER DETAIL.
- EXISTING TREES SHALL BE TRIMMED BACK AS NEEDED.

CONSTRUCTION SAFETY


- CONTRACTOR SHALL IMPLEMENT A SIDEWALK PROTECTION PLAN TO SAFEGUARD THE PEDESTRIANS.
- ANY SIDEWALK CLOSURES DURING CONSTRUCTION SHALL BE COORDINATED WITH THE CITY, COUNTY AND STATE AS REQUIRED.



REFERENCE NOTES:

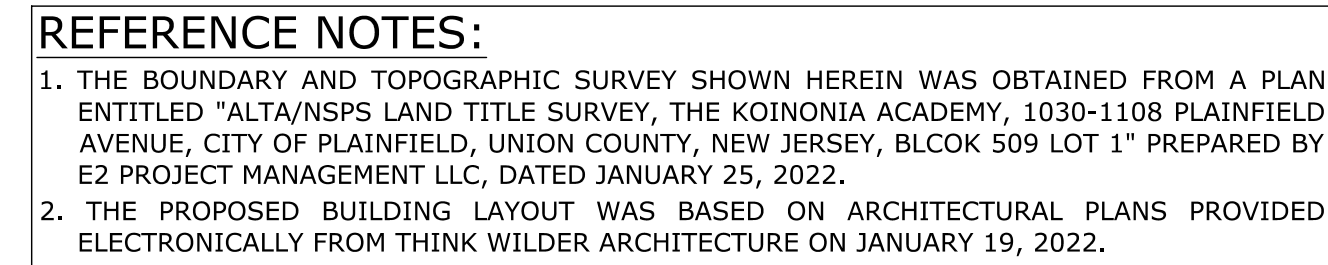
- THE BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN HEREIN WAS OBTAINED FROM A PLAN ENTITLED "ALTA/NSPS LAND TITLE SURVEY, THE KOINONIA ACADEMY, 1030-1108 PLAINFIELD AVENUE, CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY, BLOC 509 LOT 1" PREPARED BY E2 PROJECT MANAGEMENT LLC, DATED JANUARY 25, 2022.
- THE PROPOSED BUILDING LAYOUT WAS BASED ON ARCHITECTURAL PLANS PROVIDED ELECTRONICALLY FROM THINK WILDER ARCHITECTURE ON JANUARY 19, 2022.

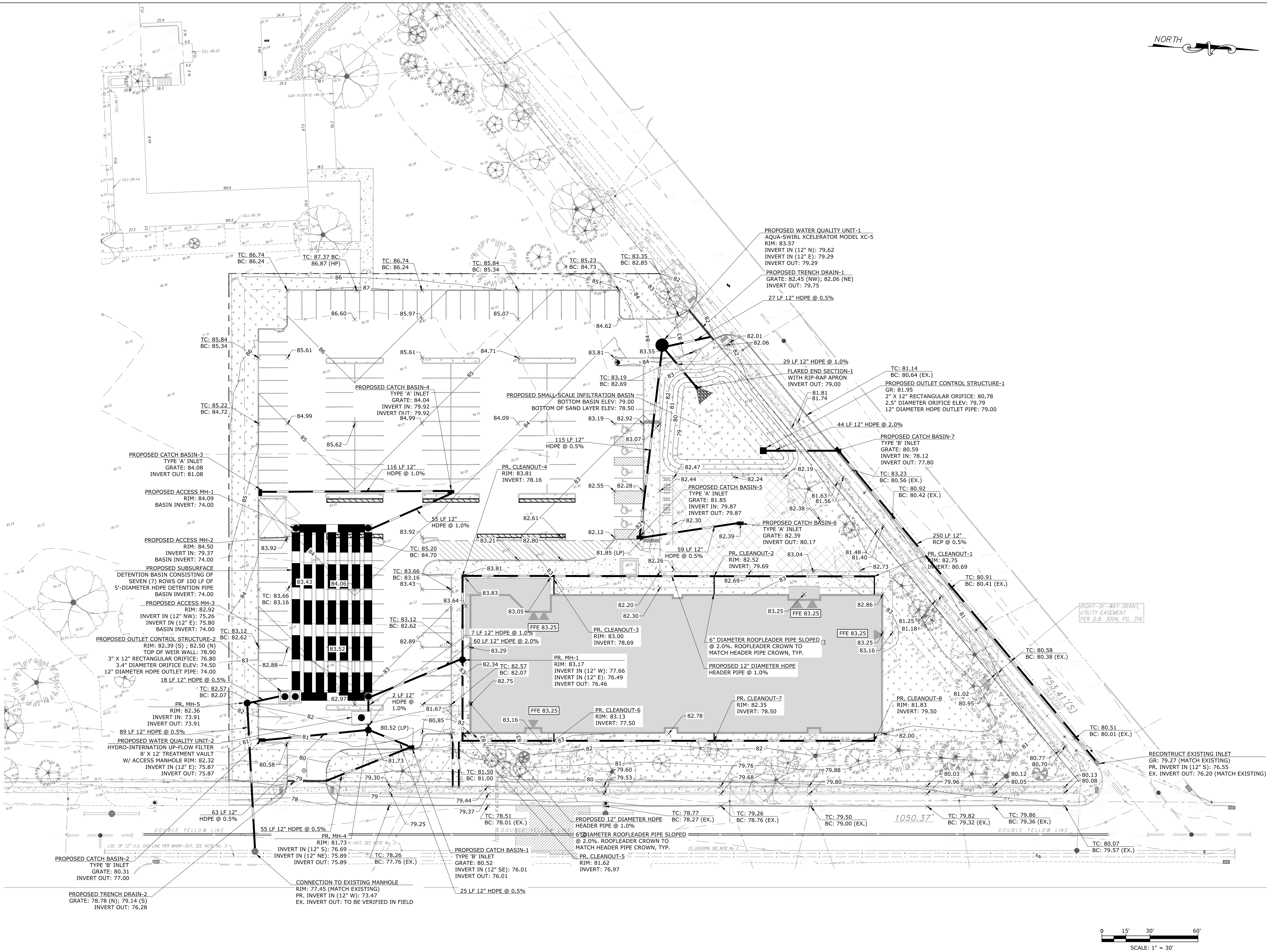
TOTAL AREA OF DISTURBANCE: 3.40 ACRES
TOTAL No. OF LIVING TREES TO BE REMOVED: 45 LIVE TREES
(7 DEAD TREES TO BE REMOVED)

SCHEDULE OF REVISIONS				
REV.	DATE	DESCRIPTION OF CHANGES	DRAWN BY	CHK. BY
A	03/01/2022	CITY OF PLAINFIELD TRC REVIEW	ENS	JF
B	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS	JF
C	04/27/22	REVISED PER COMPLETENESS REVIEW	HB	JF
OWNER				
THE KOINONIA ACADEMY 1040 PLAINFIELD AVENUE PLAINFIELD, NJ 07060 P: 908-654-2470				
APPLICANT				
J.G. PETRUCCI COMPANY, INC. 171 STATE ROUTE 173, SUITE 201 ASBURY, NJ 08802 P: 908-730-6909				
N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200				
E 2 PROJECT MANAGEMENT LLC				
87 HIBERNIA AVENUE ROCKAWAY, N.J. 07866 PHONE: (973) 299-5200 FAX: (973) 299-5059 www.E2PM.com				
<small>THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THEREOF. ANY CHANGES AND THE DESIGN FEATURES OR CONSTRUCTION COLLISIONS ARE HEREBY NOTED TO THE PROJECT MANAGER, L.L.C. AND SHALL NOT BE REPRODUCED, ALTERED OR COPIED WITHOUT WRITTEN PERMISSION. SHALL NOT BE USED IN ANY MANNER CONTRARY TO ITS INTEREST AND SHALL BE RETURNED UPON REQUEST.</small>				
I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION				
 4/27/22				
JOHN FERRANTE, P.E. N.J. NO. 24GE02472000 LICENSED PROFESSIONAL ENGINEER				
FIRST CHILDREN SCHOOL 1108 PLAINFIELD AVENUE CITY OF PLAINFIELD UNION COUNTY, NEW JERSEY				
BLOCK 509 LOT 1				
DRAWING TITLE EXISTING CONDITIONS AND DEMOLITION PLAN				
CHECKED BY: JF			DRAWN BY: ENS	
SCALE: 1" = 30'			SHEET NO: OF	
PROJECT #: P-21-39			FIRST ISSUE: 03/02/2022	
DRAWING NO.				
SP-102.00				

CHECKED BY: JF	DRAWN BY: ENS
SCALE: 1" = 30'	SHEET NO: XX OF
PROJECT #: P-21-39	FIRST ISSUE: 03/02/2022
DRAWING NO.	

SP-103.00





SCHEDULE OF REVISIONS				
REV.	DATE	DESCRIPTION OF CHANGES	DRAWN BY	CHK. BY
A	03/01/2022	CITY OF PLAINFIELD TRC REVIEW	ENS	JF
B	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS	JF
C	04/27/22	REVISED PER COMPLETENESS REVIEW	HB	JF

OWNER

THE KOINONIA ACADEMY
1040 PLAINFIELD AVENUE
PLAINFIELD, NJ 07060
P: 908-654-2470

APPLICANT

J.G. PETRUCCI COMPANY, INC.
171 STATE ROUTE 173, SUITE 201
ASBURY, NJ 08802
P: 908-730-6909

N.J. ENGINEERING CERTIFICATE OF
AUTHORIZATION No. 24GA28118200

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www.E2PM.com

I CERTIFY THAT THESE PLANS HAVE BEEN
PREPARED UNDER MY SUPERVISION

John Ferrante
4/27/22

JOHN FERRANTE, P.E. N.J. NO. 24GE02472000
LICENSED PROFESSIONAL ENGINEER

FIRST CHILDREN SCHOOL
1108 PLAINFIELD AVENUE
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

BLOCK 509
LOT 1

DRAWING TITLE

GRADING AND DRAINAGE PLAN

CHECKED BY: JF	DRAWN BY: ENS
SCALE: 1" = 30'	SHEET NO: XX OF
PROJECT #: P-21-39	FIRST ISSUE: 03/02/2022
DRAWING NO.	

SP-104.00

REFERENCE NOTES:

- THE BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN HEREIN WAS OBTAINED FROM A PLAN ENTITLED "ALTA/NSPS LAND TITLE SURVEY, THE KOINONIA ACADEMY, 1030-1108 PLAINFIELD AVENUE, CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY, BLOCK 509 LOT 1" PREPARED BY E2 PROJECT MANAGEMENT LLC, DATED JANUARY 25, 2022.
- THE PROPOSED BUILDING LAYOUT WAS BASED ON ARCHITECTURAL PLANS PROVIDED ELECTRONICALLY FROM THINK WILDER ARCHITECTURE ON JANUARY 19, 2022.

CONTRACTOR SHALL RESET ALL EXISTING CATCH BASINS ALONG PLAINFIELD AVENUE AND SHERMAN AVENUE TO ACCOMMODATE NEW FULL-HEIGHT CURB

M:\PROJECTS\AKE SERVICES\PETRUCCI.D- FIRST CHILDREN @ 108 PLAINFIELD AVE\9.0 DRAWINGS\9. E2PM SITE PLANS\FIRST CHILDREN\FIRST CHILDREN SCHOOL REV A.DWG

PLANTING NOTES:

- THE LANDSCAPE PLAN IS TO BE USED FOR LANDSCAPING PURPOSES ONLY. THE CONTRACTOR SHOULD EXAMINE ALL ENGINEERING DRAWINGS AND FIELD CONDITIONS FOR EXACT LOCATIONS OF UTILITIES, DRAINS, ETC., AND NOTIFY THE OWNER ABOUT ANY DISCREPANCIES BEFORE STARTING WORK.
- ALL PLANT MATERIALS USED SHALL BE TRUE TO NAME AND SIZE IN CONFORMITY WITH THE CURRENT EDITION OF THE AMERICAN STANDARD OF NURSERY STOCK AND SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. ALL PLANTS SHALL HAVE NORMAL, WELL-DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUN SCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORERS, AND ALL OTHER FORMS OF INFECTION. ALL PLANTS SHALL BE NURSERY GROWN, UTILITIES.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING CAUSED BY ANY PERSON, VEHICLE, EQUIPMENT, OR TOOLS RELATED TO THE EXECUTION OF THIS CONTRACT.
- EXCAVATION NEAR EXISTING UTILITIES TO BE CAREFULLY PERFORMED BY HAND.
- ALL PLANT MATERIAL SHALL BEAR THE SAME RELATION TO FINISHED GRADE AS IT GRADE AT THE NURSERY. BORE TO EXISTING
- IN THE EVENT THAT PLANTING DISCREPANCIES OR MATERIAL OMISSIONS OCCUR IN THE PLANT MATERIALS LIST, THE LANDSCAPING PLAN SHALL GOVERN.
- ALL PLANT MATERIAL IS TO BE GUARANTEED FOR A PERIOD OF TWELVE MONTHS FROM TIME OF FINAL ACCEPTANCE OF THE PROJECT OR AS REGULATED BY THE APPROVING AUTHORITY. IF ANY PLANTS ARE DEAD OR IN AN UNHEALTHY CONDITION BEFORE FINAL ACCEPTANCE OF THE PROJECT, THE LANDSCAPE CONTRACTOR SHALL REPLACE THEM AT HIS EXPENSE.
- ANY SUBSTITUTIONS OF PLANT MATERIAL WITH REGARDS TO SIZE, SPECIES, VARIETY, ETC., SHALL BE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT AND THE TOWNSHIP.
- PLANTS SHALL ONLY BE INSTALLED WHEN THE SOIL IS FROST FREE.
- UNDER NO CIRCUMSTANCES SHOULD THE MAIN LEADER OF AN EVERGREEN TREE BE TOPPED.
- ALL DISTURBED AREAS TO BE TOPSOILED 5" THICK, FERTILIZED, SEEDED, AND MULCHED WITH SALT HAY. TOPSOIL SHALL BE NATURAL FRIABLE, FERTILE SOIL CHARACTERISTIC OF PRODUCTIVE SOIL IN THE VICINITY. IT SHALL BE FREE OF LUMPS OF CLAY, STONES, ROOTS, AND OTHER FOREIGN MATTER.
- CUT AND REMOVE BURLAP FROM TOP ONE-THIRD OF BALL. ALL PLASTIC MATERIAL, SYNTHETIC BURLAP AND STRING OR CONTAINERS SHALL BE REMOVED AT THE TIME OF PLANTING. THE WIRE BASKETS AND PLASTIC LINERS OF CONTAINER GROWN TREES AND SHRUBS MUST BE COMPLETELY REMOVED. NO CONTAINER GROWN MATERIAL WILL BE ACCEPTED IF IT IS ROOT BOUND.
- THE DEPTH OF PLANT PITS SHALL BE INCREASED BY 12" THROUGH THE ADDITION OF LOOSE AGGREGATE (3/4" TO 1 1/2" DIAMETER) WHEREVER POOR DRAINAGE OCCURS OR WHERE DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT.
- GUY WIRES SHALL BE LOCATED SO THAT THEY WILL NOT PULL CROTCH APART. GUY WIRES TO SECOND BRANCH (MINIMUM ONE-THIRD HEIGHT OF TREE). USE TWO GUYS PER TREE UNLESS OTHERWISE INDICATED. TREE STAKES AND GUY WIRES SHALL BE REMOVED AFTER ONE GROWING SEASON.
- PLANTS PLANTED IN ROWS SHALL BE MATCHED SPECIMENS AND BE UNIFORM IN SIZE AND FORM.
- PLANTING BACKFILL MIXTURE SHALL CONSIST OF ONE PART TOPSOIL, ONE PART NATIVE SOIL AND ONE PART PEAT MOSS, NOTE THAT PLANTING MIXTURE MAY CHANGE BASED UPON SOIL CONDITIONS.
- MULCH, 4" IN DEPTH, SHALL BE EITHER WOOD CHIPS, PINE BARK, OR SHREDDED RETARDANT HARDWOOD BARK NOT EXCEEDING 2" IN GREATEST DIMENSION. A WEED BARRIER SHALL BE USED IN ALL NON GRASSED AREA.
- ALL PLANT MATERIAL SHALL BE GIVEN A MINIMUM OF 5 GALLONS OF WATER AT THE TIME OF INSTALLATION AND SHALL BE WATERED AT INTERVALS DURING ESTABLISHMENT TO THE INSTALLATION OF THE PLANT MATERIAL. ENSURE ADAPTATION TO THE SITE. PRIOR TO IT TO FULLY THE CONTRACTOR SHALL FILL EACH PLANTING PIT WITH WATER AND ALLOW PERCOLATE INTO THE GROUND PRIOR TO PLACEMENT OF THE PLANT.
- THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY PERCOLATION PROBLEMS PRIOR TO INSTALLATION.
- PREFERRED PLANTING TIME PERIODS ARE FROM SEPTEMBER 1 TO DECEMBER 20 OR MARCH 20 TO MAY 31. NO PLANTING SHALL BE EXECUTED DURING ABNORMALLY HOT WEATHER OR WHEN THE GROUND IS FROZEN.
- THE CONTRACTOR SHALL REMOVE ALL DAMAGED BRANCHES AND NURSERY TAGS AT THE TIME OF INSTALLATION.
- SLOW RELEASE FERTILIZER TABLETS OR PACKETS OF 20-10-5 COMPOSITION SHALL BE ADDED TO ALL PLANTING PITS AT THE FOLLOWING RATIOS: 1 PER SHRUB, 2 PER DECIDUOUS OR EVERGREEN TREES UP TO 2" IN CALIPER AND 3 FOR DECIDUOUS AND EVERGREEN TREES ABOVE 2" IN CALIPER.

PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

SITE PREPARATION

- GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING.
- IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING.
- TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING.
- INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.

SEEDBED PREPARATION

- UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES (HTTP://MAES.RUTGERS.EDU/COUNTY). FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4 INCHES. IF FERTILIZER IS NOT INCORPORATED, APPLY ONE-HALF THE RATE DESCRIBED ABOVE DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER SEEDING.
- WORK LIME AND FERTILIZER INTO THE TOPSOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH 4-1 STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY JANUARY 2014 A DISC, SPRING-TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED.
- HIGH ACID PRODUCING SOIL. SOILS HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.

SEEDING

- SELECT A MIXTURE FROM TABLE 4-3 OR USE A MIXTURE RECOMMENDED BY RUTGERS COOPERATIVE EXTENSION OR NATURAL RESOURCES CONSERVATION SERVICE WHICH IS APPROVED BY THE SOIL CONSERVATION DISTRICT. SEED GERMINATION SHALL HAVE BEEN TESTED WITHIN 12 MONTHS OF THE PLANTING DATE. NO SEED SHALL BE ACCEPTED WITH A GERMINATION TEST DATE MORE THAN 12 MONTHS OLD UNLESS RETESTED.
- SEEDING RATES SPECIFIED ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO A REPORT OF COMPLIANCE INSPECTION. THESE RATES APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVERAGE WITH THE SPECIFIED SEED MIXTURE FOR THE SEEDED AREA AND MOWED ONCE.
- WARM-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT HIGH TEMPERATURES. GENERALLY 850 F AND ABOVE. SEE TABLE 4-3 MIXTURES 1 TO 7. PLANTING RATES FOR WARM-SEASON GRASSES SHALL BE THE AMOUNT OF PURE LIVE SEED (PLS) AS DETERMINED BY GERMINATION TESTING RESULTS.
- COOL-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT TEMPERATURES BELOW 850 F. MANY GRASSES BECOME ACTIVE AT 650 SEE TABLE 4-3, MIXTURES 8-20. ADJUSTMENT OF PLANTING RATES TO COMPENSATE FOR THE AMOUNT OF PLS IS NOT REQUIRED FOR COOL SEASON GRASSES.
- CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY BAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL.
- AFTER SEEDING, FIRING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD, WHEN PERFORMED ON THE CONTOUR. SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED.
- HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK, WITH AN AGITATION SYSTEM FOR MIXING SEED, WATER FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORTFIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 4-MULCHING BELOW). HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. WHEN POOR SEED TO SOIL CONTACT OCCURS, THERE IS A REDUCED SEED GERMINATION AND GROWTH.

STANDARD ROOT BALL SIZES FOR NURSERY-GROWN SHADE TREES

CALIPER* (IN.)	HEIGHT RANGE (FT-IN.)	MAX. HEIGHT (FT)	MIN. BALL DIA. (IN.)	MIN. BALL DEPTH (IN.)
3/2	5-6	8	12	9
3/4	6-8	10	14	10 1/2
1	8-10	11	16	12
1 1/4	9-10	12	18	13 1/2
1 1/2	10-12	14	20	13 1/2
1 3/4	10-12	14	22	14 1/2
2	12-14	16	24	16
2 1/2	12-14	16	28	18 1/2
3	14-16	18	32	19 1/2
3 1/2	14-16	18	38	23
4	16-18	22	42	25
5	18-20	26	54	32

* UP TO AND INCLUDING THE 4-IN. CALIPER SIZE, THE CALIPER MEASUREMENT INDICATES THE DIAMETER OF THE TRUNK 6 IN. ABOVE GROUND LEVEL. FOR LARGER SIZES, THE CALIPER MEASUREMENT IS TAKEN 12 IN. ABOVE GROUND LEVEL.

NOTES:

- SEE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1, FOR COMPLETE LIST OF NURSERY STANDARDS FOR OTHER TYPES AND SIZES OF TREES AND SHRUBS.
- SEE INTERNATIONAL SOCIETY OF ARCHITECTURE'S "PRINCIPLES AND PRACTICES OF PLANTING TREES AND SHRUBS," 1997

SOIL IMPROVEMENT

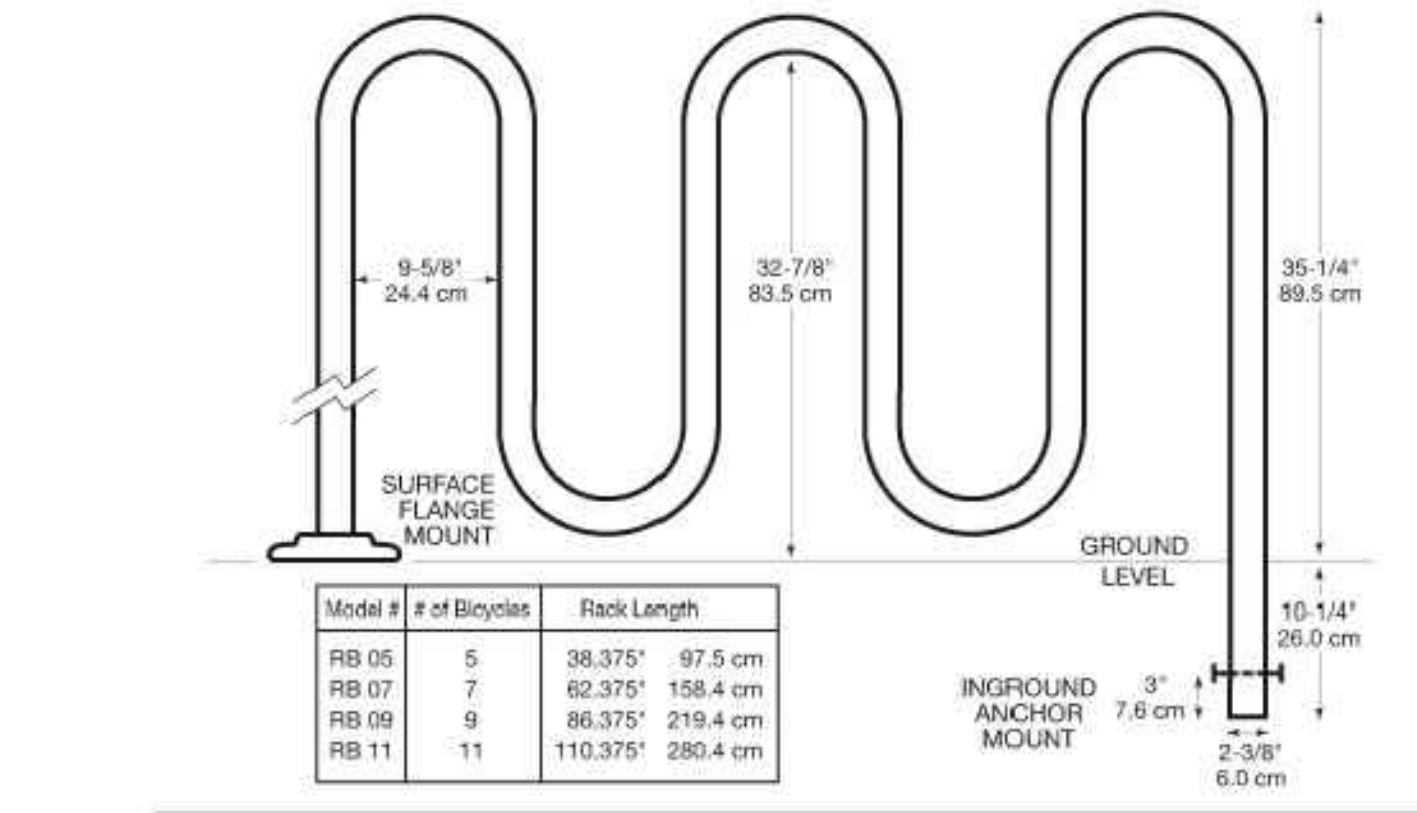
THE QUALITY OF SOIL AVAILABLE FOR PLANTING VARIES WIDELY FROM SITE TO SITE, ESPECIALLY AFTER CONSTRUCTION ACTIVITY HAS OCCURRED. THE NATURE OF CONSTRUCTION RESULTS IN COMPACTION, FILLING, CONTAMINATION, AND GRADING OF THE ORIGINAL SOIL ON A SITE. HASTY, RASHLY MAKING IT USELESS FOR PLANTING. PREVIOUS HUMAN ACTIVITY AT A SITE CAN ALSO AFFECT THE ABILITY OF THE SOIL TO SUPPORT PLANTS.

DURING THE DESIGN PHASE, ASSUMPTIONS MUST BE MADE REGARDING THE PROBABLE CONDITION OF THE SOIL AFTER CONSTRUCTION IS COMPLETE. THE HEALTH OF EXISTING OR REMAINING SOIL DETERMINES WHAT TYPES OF SOIL PREPARATION WILL BE REQUIRED AND THE VOLUME OF SOIL TO BE PREPARED. CONDITIONS WILL VARY FROM LOCATION TO LOCATION WITHIN A PROJECT, AND DETAILS MUST BE CONDITION-SPECIFIC. FOR LARGE PROJECTS OR EXTREME CONDITIONS, IT IS USEFUL TO CONSULT AN EXPERT EXPERIENCED IN MODIFYING PLANTING SOILS AT URBAN SITES.

NOTES:

- IF SITE OR DESIGN CONSTRAINTS PROHIBIT USE OF THE DIMENSIONS SHOWN IN THE PLANTING DETAILS, FOLLOW THE GUIDELINES FOR PLANTING IN URBAN AREAS.
- WHENEVER POSSIBLE THE SOIL IMPROVEMENT AREA SHOULD BE CONNECTED FROM TREE TO TREE.
- ALWAYS TEST SOIL FOR PH AND NUTRIENT LEVELS AND ADJUST THESE AS REQUIRED.
- LOOSEN SOIL WITH A BACKHOE OR OTHER LARGE COARSE-TILING EQUIPMENT WHEN POSSIBLE. TILING THAT PRODUCES LARGE, COARSE CRUMBS OF SOIL IS PREFERABLE TO TILING THAT RESULTS IN FINE GRAINS UNIFORM IN TEXTURE.
- THE BOTTOM OF PLANTING SOIL EXCAVATIONS SHOULD BE ROUGH TO AVOID MATTING OF SOIL LAYERS AS NEW SOIL IS ADDED. IT IS PREFERABLE TO FILL THE FIRST LIFT (2 TO 3 IN.) OF PLANTING SOIL INTO THE SUBSOIL.

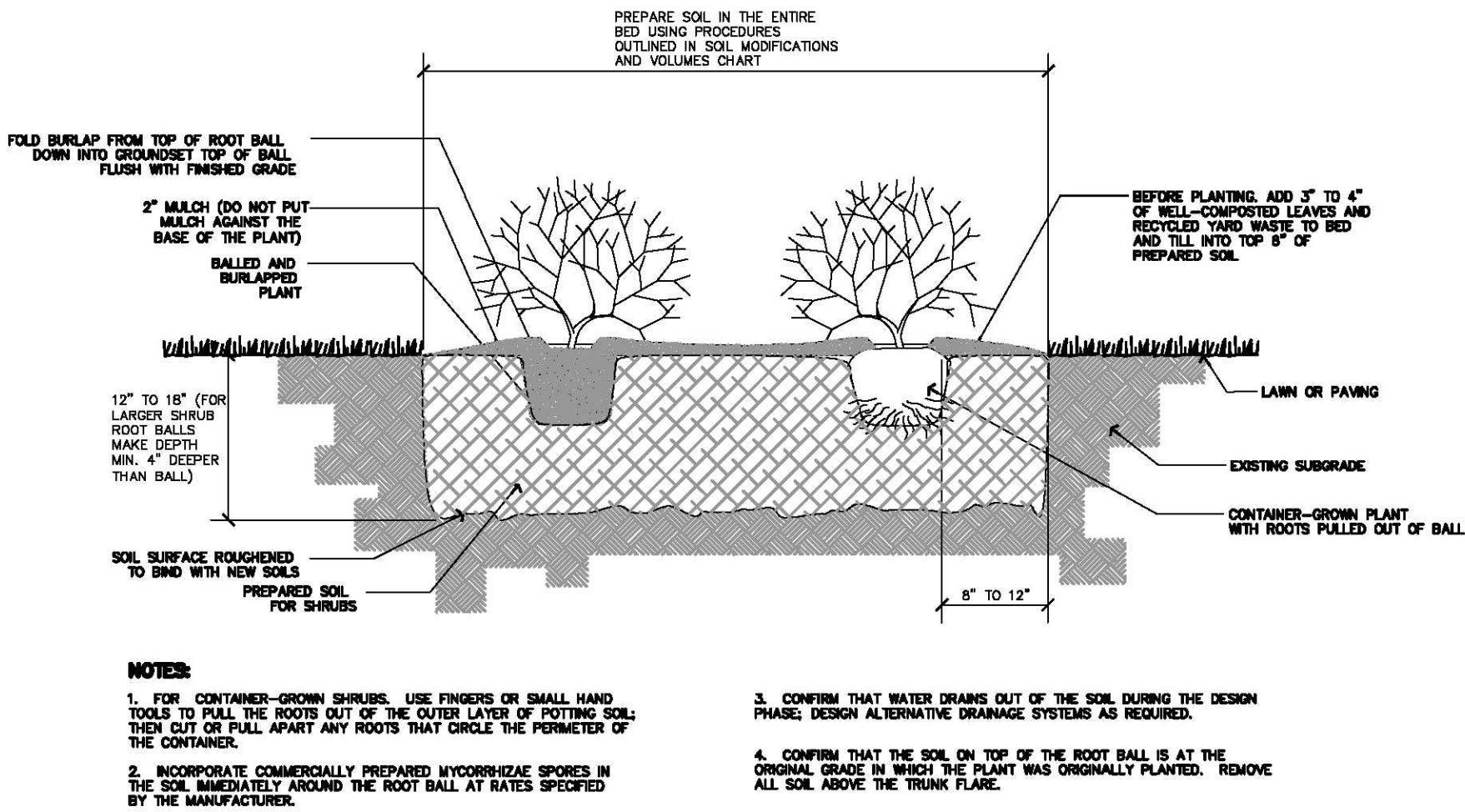
PERMANENT VEGETATIVE MIXTURES, PLANTING RATES AND PLANTING DATES												
SEED MIXTURE	PLANTING RATES		PLANTING DATES								MAINTENANCE LEVEL	REMARKS
			O - OPTIMAL PLANTING PERIOD				A - ACCEPTABLE PLANTING PERIOD					
	PLANT HARDINESS ZONE											
	ZONE 5B, 6A			ZONE 6B			ZONE 7A, 7B					
LBS/ACRE	LBS/1000 SQ.FT.	3/15 -5/31	6/1 -7/31	8/1 -10/1	3/1 -4/30	5/1 -8/14	8/15 -10/15	2/1 -4/30	5/1 -8/14	8/15 -10/30		
WARM SEASON MIXTURE #4												
SWITCHGRASS	10	.25										
BIG BLUESTEM	5	.10										
LITTLE BLUESTEM	5	.10										
SAND LOVEGRASS	4	.10										
COSTAL PANICGRASS	10	.20										
COOL SEASON MIXTURE #7												
STRONG CREEPING RED FESCUE	130	3										
KENTUCKY BLUEGRASS	50	1										
PERENNIAL RYEGRASS OR REDTOP	20	.60	A	A	O	A	A	O	A	A	O	
PLUS WHITE CLOVER	10	.25										
	5	.10										
SUITABLE WATERWAY MIX CANADA BLUEGRASS MORE DROUGHT TOLERANT USE REDTOP FOR INCREASED DROUGHT TOLERANCE												



3
SP-106

BIKE RACK DETAIL

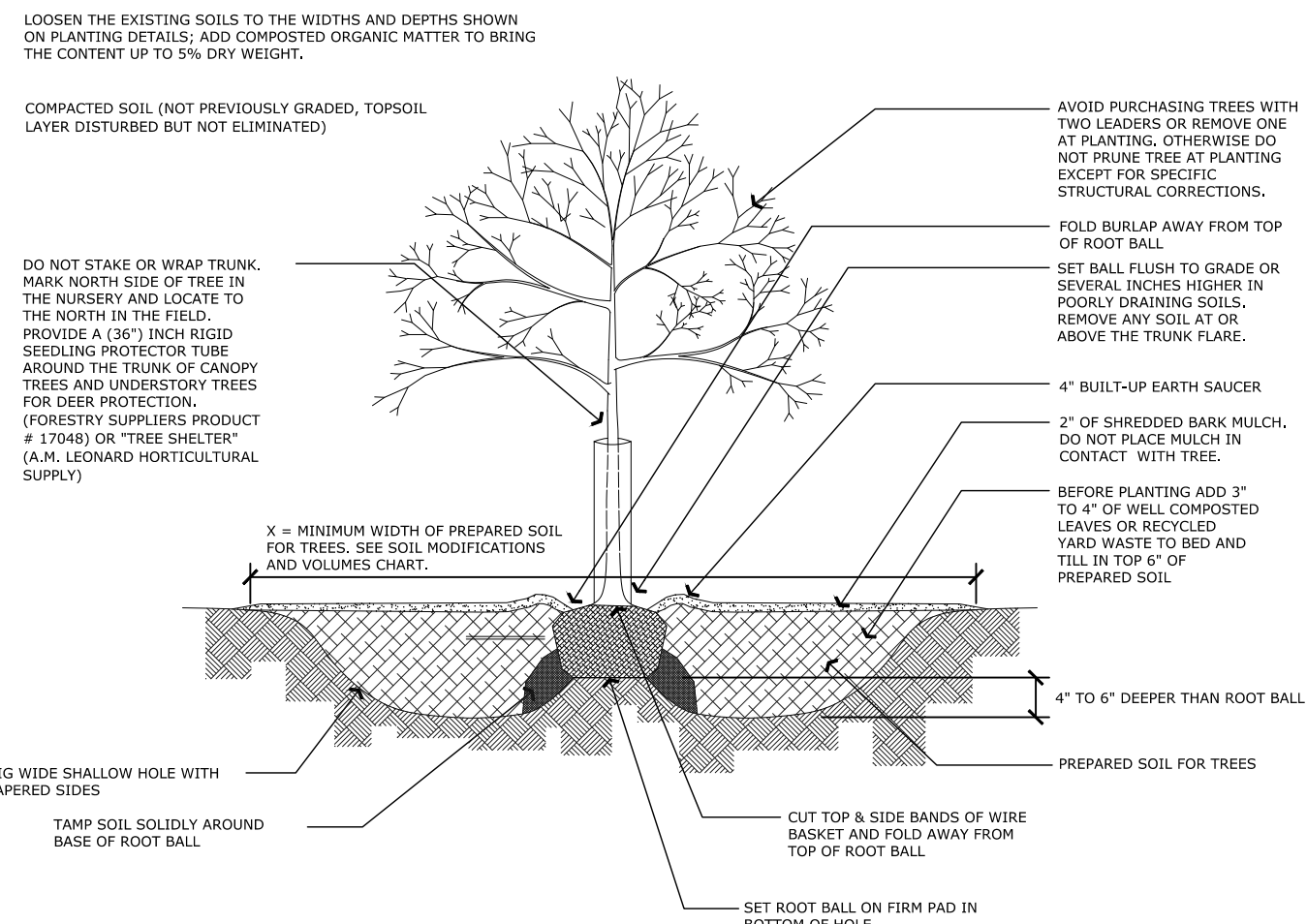
SCALE: N.T.S.



1
SP-106

SHRUB PLANTING DETAIL

SCALE: N.T.S.



2
SP-106

TREE PLANTING DETAIL

SCALE: N.T.S.

SCHEDULE OF REVISIONS

REV.	DATE	DESCRIPTION OF CHANGES	DRAWN BY	CHK. BY
A	03/01/2022	CITY OF PLAINFIELD TRC REVIEW	ENS	JF
B	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS	JF
C	04/27/22	REVISED PER COMPLETENESS REVIEW	HB	JF

OWNER

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N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200

E 2 PROJECT MANAGEMENT LLC

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ROCKAWAY, N.J. 07866
PHONE: (973) 299-5200
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www.E2PM.com



THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THEREOF. ANY VIOLATIONS OF THIS DRAWING AND THE DESIGN THEREOF IN CONSTRUCTION COULD BE HARMFUL TO THE PROJECT. THE PROJECT MANAGER, LEE, AND SHALL NOT BE REPRODUCED, ALTERED OR COPIED WITHOUT WRITTEN PERMISSION. SHALL NOT BE USED IN ANY MANNER OTHER THAN THAT FOR WHICH IT WAS DESIGNED AND SHALL BE RETURNED UPON REQUEST.

I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

John Ferrante
4/27/22

JOHN FERRANTE, P.E. N.J. NO. 24GE02472000
LICENSED PROFESSIONAL ENGINEER

FIRST CHILDREN SCHOOL
1108 PLAINFIELD AVENUE
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

BLOCK 509
LOT 1

DRAWING TITLE

LANDSCAPING NOTES AND DETAILS

CHECKED BY: JF	DRAWN BY: ENS
SCALE: 1" = 30'	SHEET NO: XX OF
PROJECT #: P-21-39	FIRST ISSUE: 03/02/2022

DRAWING NO.

SP-106.00

LIGHTING FIXTURE SCHEDULE

Calculation Summary										
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	PSpLr	PSpTb
CalcPts_1_Parking	Illuminance	Fc	2.20	9.3	0.5	4.40	18.60		10	10
CalcPts_2_SW	Illuminance		2.58	8.2	0.4	6.45	20.50	Readings taken @ 0'-0" AFG	4	4
Meter Type										
Horizontal										

Luminaire Schedule											
Symbol	Tag	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Description	Lum. Watts	Arr. Watts	Total Watts
⊙	E 21	21	SLIM12YD10	Single	1810	1810	1.000	SLIM12Y_D10	14.1	14.1	296.1
⊙	D 4	4	cbr12835unw	Single	1062	1062	1.000	6 in recessed downlight	10.6	10.6	42.4
⊙	C 4	4	ALED3T50Y x 2 @ 180°	Back-Back	6377	12754	1.000	ALED3T50Y (TYPE III)	53.5	107	428
⊙	A 2	2	ALED2T50Y	Single	6873	6873	1.000	ALED2T50Y (TYPE II)	52.2	52.2	104.4
⊙	B 6	6	ALED4T50Y	Single	6790	6790	1.000	ALED4T50Y (TYPE IV)	51.4	51.4	308.4
⊙	C 5	5	ALED3T50Y	Single	6377	6377	1.000	ALED3T50Y (TYPE III)	53.5	53.5	267.5
BUG Rating											
B1-U0-G0											
N/A											
B1-U0-G2											
B1-U0-G2											
B1-U0-G2											

Expanded Luminaire Location Summary						
LumNo	Tag	X	Y	HEIGHT	Orient	Tilt
1	C	513825.802	644572.535	15	92.198	0
2	A	513765.935	644634.429	15	2.198	0
3	A	513761.793	644742.349	15	2.198	0
4	C	513896.975	644626.863	15	272.198	0
5	C	513892.771	644740.189	15	2.198	0
5	C	513889.033	644740.045	15	182.198	0
6	C	513809.385	644737.47	15	2.198	0
6	C	513805.647	644737.326	15	182.198	0
7	C	513896.704	644653.126	15	2.198	0
7	C	513892.966	644652.982	15	182.198	0
8	C	513812.826	644649.988	15	2.198	0
8	C	513809.088	644649.844	15	182.198	0
9	C	513897.154	644675.296	15	92.198	0
10	B	513969.738	644577.424	15	92.198	0
11	B	514043.642	644580.895	15	92.198	0
12	B	514023.243	644702.804	15	272.198	0
13	B	513960.351	644700.512	15	272.198	0
14	D	513954.591	644759.476	12	0	0
15	D	513955.206	644749.863	12	0	0
16	D	513950.592	644736.252	12	0	0
17	D	513951.284	644719.641	12	0	0
18	E	513949.818	644925.069	12	182.198	0
19	E	514028.725	644929.037	12	2.198	0
20	E	514032.092	644841.297	12	2.198	0
21	E	514035.305	644757.576	12	2.198	0
22	E	513944.748	644948.826	12	182.198	0
23	E	513946.836	644894.434	12	182.198	0
24	E	513948.373	644856.448	12	182.198	0
25	E	513949.716	644821.474	12	182.198	0
26	E	513951.058	644786.5	12	182.198	0
27	E	513962.4	644714.561	12	272.198	0
28	E	513997.375	644715.883	12	272.198	0
29	E	514032.35	644717.205	12	272.198	0
30	E	513952.844	644968.804	12	92.165	0
31	E	513987.619	644970.126	12	92.165	0
32	E	514022.593	644971.475	12	92.165	0
33	E	514035.118	644967.528	12	2.198	0
34	E	514038.989	644781.158	12	2.198	0
35	E	514040.303	644735.994	12	2.198	0
36	E	514032.008	644952.125	12	2.198	0
37	E	514037.647	644816.732	12	2.198	0
38	E	514033.786	644905.811	12	2.198	0
39	C	513903.085	644824.877	15	182.198	0
40	C	513828.055	644824.097	15	272.198	0
41	B	514053.085	644643.79	15	182.198	0
42	B	513925.128	644637.825	15	2.198	0
Total Quantity: 46						

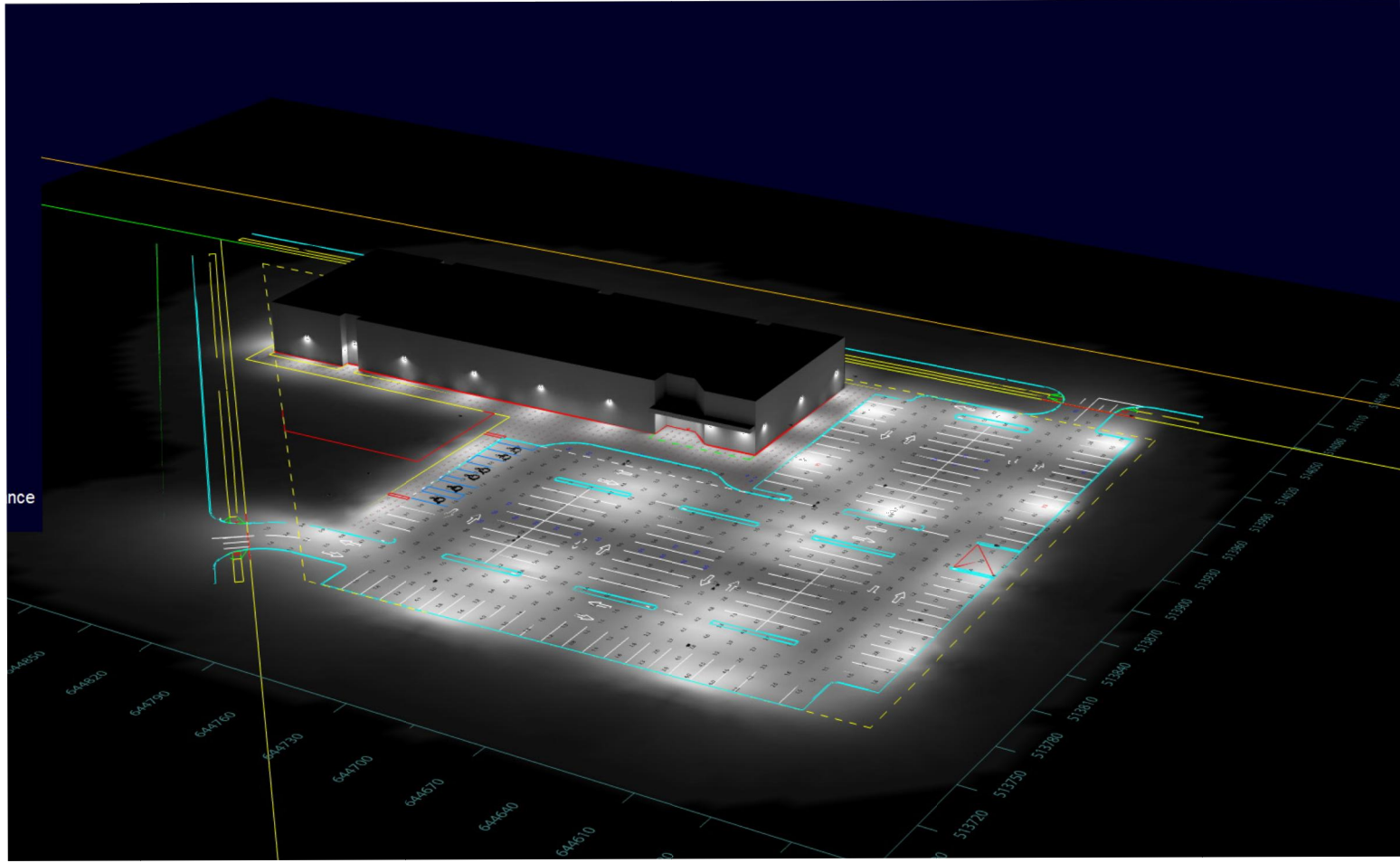
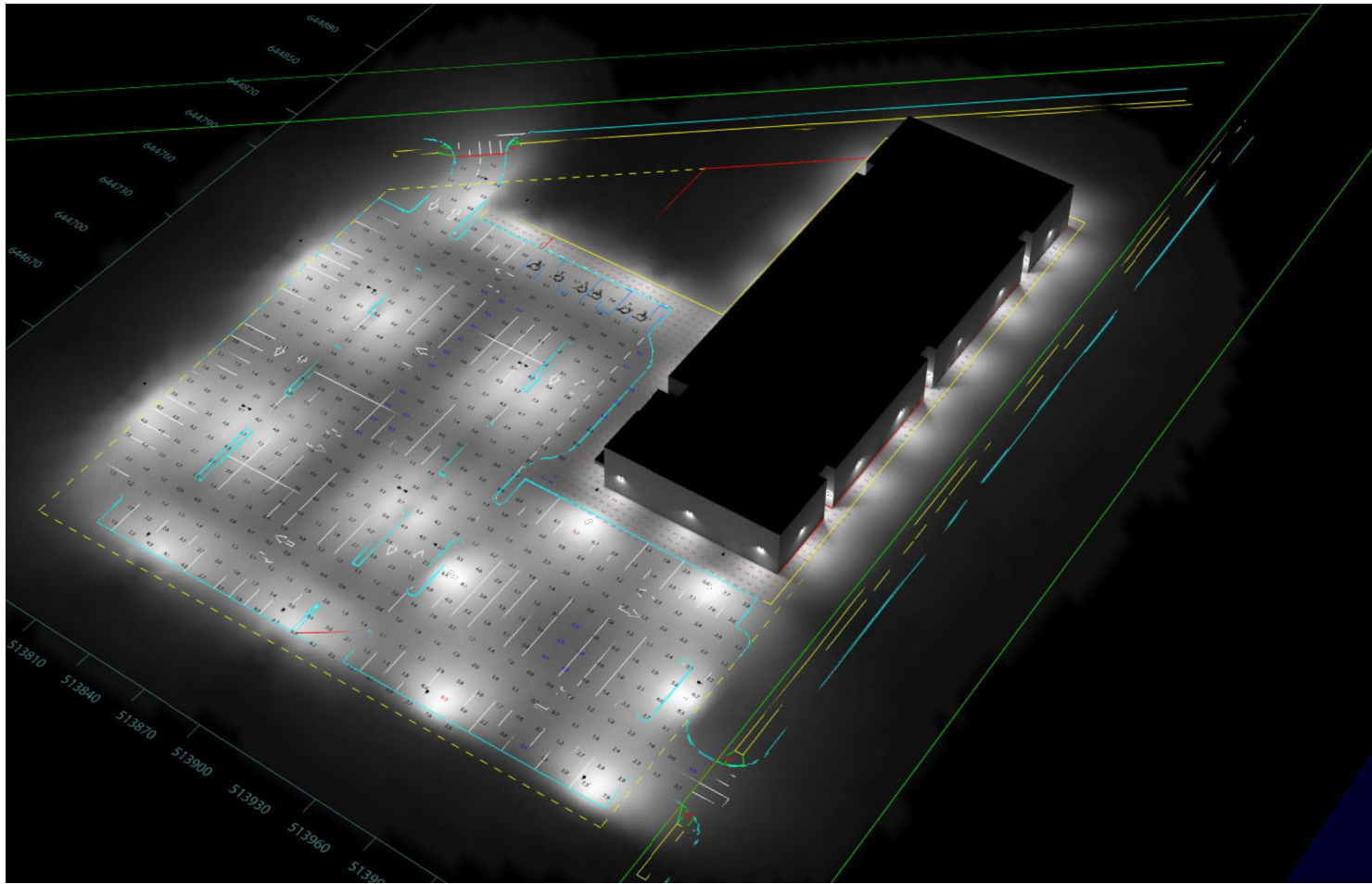
LIGHTING REQUIREMENTS

(SECTION 17:11-12)

PARKING LOTS 1.0 - 2.5 FC AVERAGE ILLUMINATION

LOADING AREAS 3.0 - 5.0 FC AVERAGE ILLUMINATION

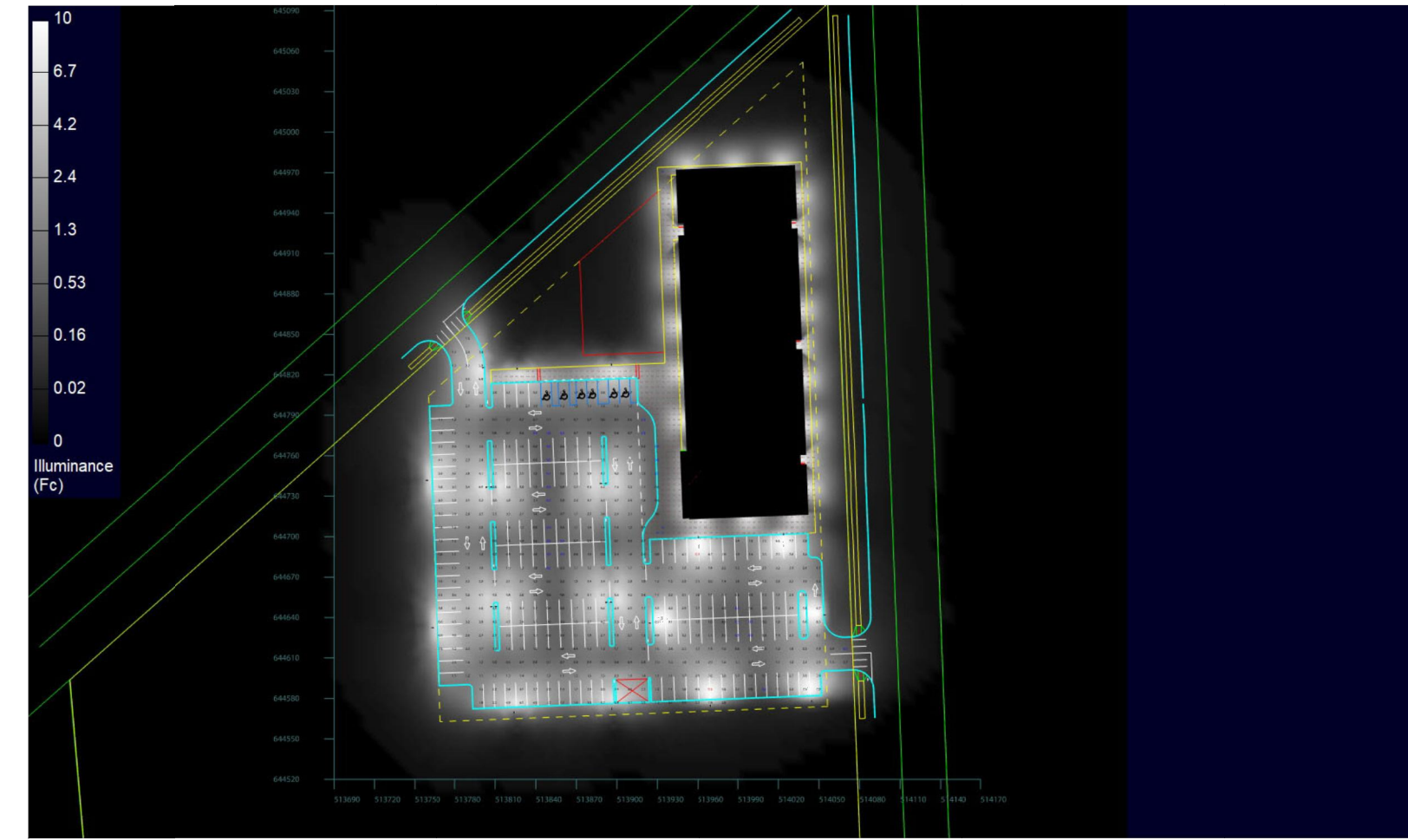
PEDESTRIAN WALKWAYS 0.5 - 1.0 FC AVERAGE ILLUMINATION



LIGHTING RENDERING ISOMETRIC VIEW



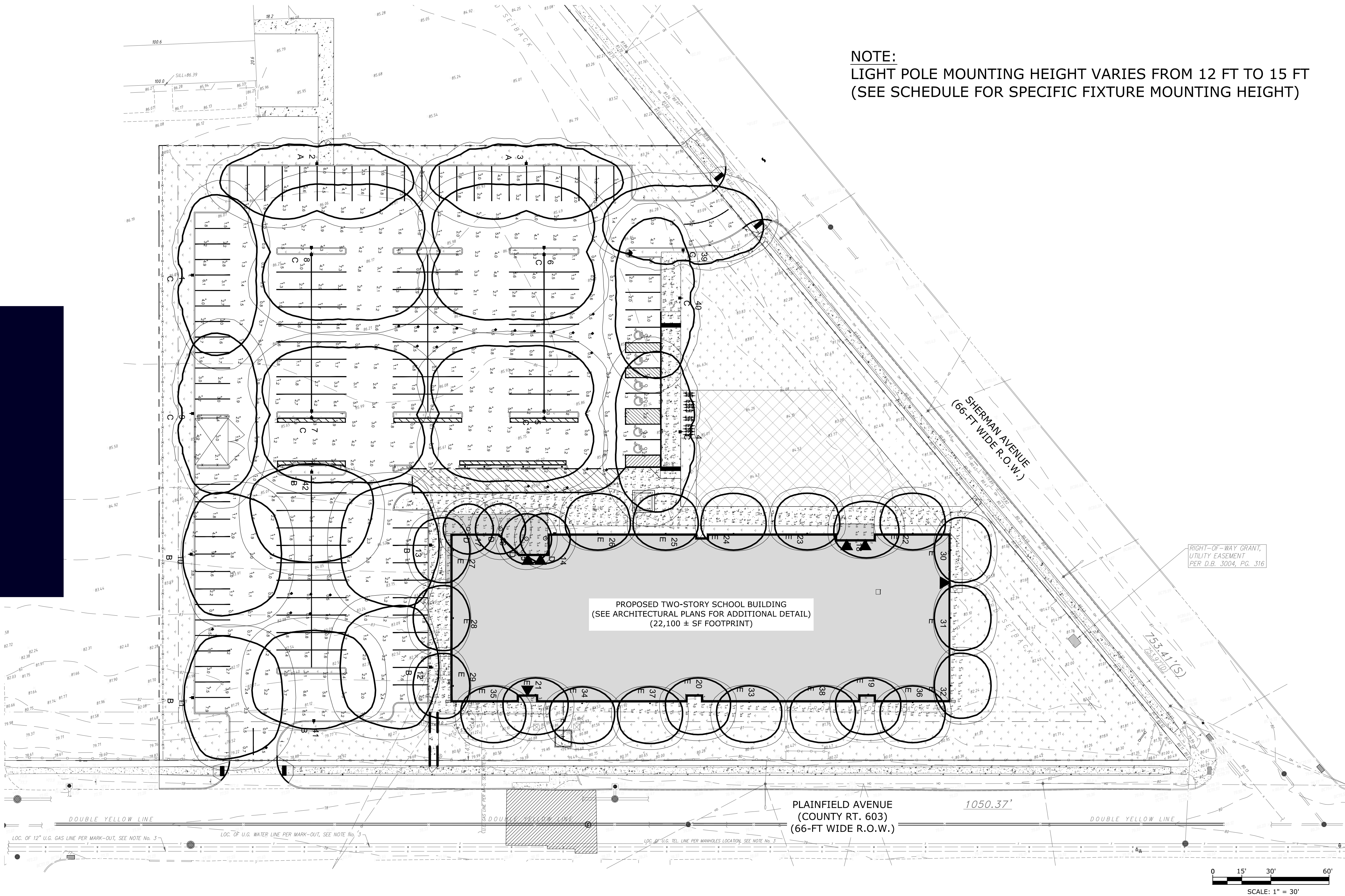
NOTE:
LIGHT POLE MOUNTING HEIGHT VARIES FROM 12 FT TO 15 FT
(SEE SCHEDULE FOR SPECIFIC FIXTURE MOUNTING HEIGHT)



LIGHTING RENDERING PLAN VIEW

REFERENCE NOTES:

- THE BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN HEREIN WAS OBTAINED FROM A PLAN ENTITLED "ALTA/NSPS LAND TITLE SURVEY, THE KOINONIA ACADEMY, 1030-1108 PLAINFIELD AVENUE, CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY, BLOC 509 LOT 1" PREPARED BY E2 PROJECT MANAGEMENT LLC, DATED JANUARY 25, 2022.
- THE PROPOSED BUILDING LAYOUT WAS BASED ON ARCHITECTURAL PLANS PROVIDED ELECTRONICALLY FROM THINK WILDER ARCHITECTURE ON JANUARY 19, 2022.



SCHEDULE OF REVISIONS				
REV.	DATE	DESCRIPTION OF CHANGES	DRAWN BY	CHK. BY
A	03/01/2022	CITY OF PLAINFIELD TRC REVIEW	ENS	JF
B	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS	JF
C	04/27/22	REVISED PER COMPLETENESS REVIEW	HB	JF

OWNER

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N.J. ENGINEERING CERTIFICATE OF
AUTHORIZATION No. 24GA28118200
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I CERTIFY THAT THESE PLANS HAVE BEEN
PREPARED UNDER MY SUPERVISION

John Ferrante
4/27/22

JOHN FERRANTE, P.E. N.J. NO. 24GE02472000
LICENSED PROFESSIONAL ENGINEER

FIRST CHILDREN SCHOOL
1108 PLAINFIELD AVENUE
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

BLOCK 509
LOT 1

DRAWING TITLE

LIGHTING PLAN

CHECKED BY: JF	DRAWN BY: ENS
SCALE: 1" = 30'	SHEET NO: XX OF
PROJECT #: P-21-39	FIRST ISSUE: 03/02/2022

SP-107.00



FIRST CHILDREN SCHOOL
1108 PLAINFIELD AVENUE
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

SIGN LEGEND

24"

24"

①

R1-1

"STOP" SIGN
N.T.S.

6'-8" MAX. HEIGHT

③

R7-1 12" X 18"

"NO PARKING ANY TIME" SIGN
N.T.S.

⑤

R2-1 12" X 18"

5-MPH SPEED LIMIT SIGN
N.T.S.

RESERVED PARKING

②

HANDICAPPED SIGN R7-8
12" X 18"

PENALTY
\$250 FIRST OFFENSE
SUBSEQUENT OFFENSEES
\$500 MINIMUM FINE OR
UP TO 90 DAYS
COMMUNITY SERVICE
TOW-AWAY ZONE

R7-8P, 10" X 12"

VAN
ACCESSIBLE

④

R7-BA, 12" X 6"

FLANGED CHANNEL
SIGN POST

FINISHED GRADE

3000 PSI CONCRETE
FOOTING

3" MIN.
FOOTING

12" MIN.

2"

HANDICAPPED PARKING SIGN
N.T.S.

NO PARKING FIRE LANE SIGN
N.T.S.

⑥

12" X 18"

1. SCHOOL CHILDREN DROP-OFF HOURS 8:30 AM TO 9:30 AM
2. SCHOOL CHILDREN PICK UP HOURS 2:30 PM TO 3:30 PM
3. DROP-OFF AREA ONLY FOR SCHOOL BUSES AND VANS.

SCALE: N.T.S.

SCALE: N.T.S.

1. THE BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN HEREIN WAS OBTAINED FROM A PLAN ENTITLED "ALTA/NSPS LAND TITLE SURVEY, THE KOINONIA ACADEMY, 1030-1108 PLAINFIELD AVENUE, CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY, BLCOK 509 LOT 1" PREPARED BY E2 PROJECT MANAGEMENT LLC, DATED JANUARY 25, 2022.
2. THE PROPOSED BUILDING LAYOUT WAS BASED ON ARCHITECTURAL PLANS PROVIDED ELECTRONICALLY FROM THINK WILDER ARCHITECTURE ON JANUARY 19, 2022.

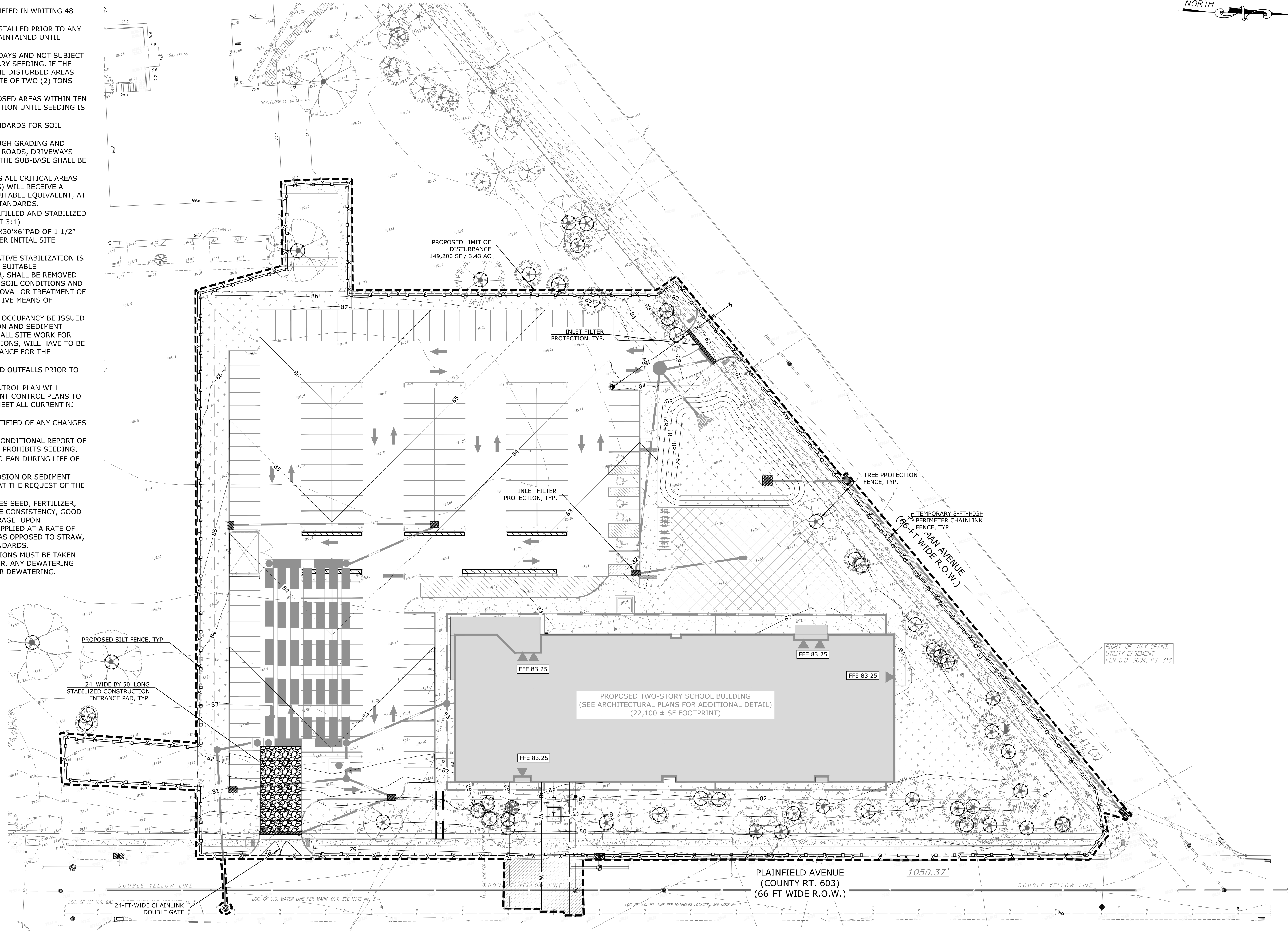


CHECKED BY: JF	DRAWN BY: ENS
SCALE: AS SHOWN	SHEET NO: XX OF
PROJECT #: P-21-39	FIRST ISSUE: 03/02/2022
DRAWING NO.	

SP-109.00

SOMERSET-UNION SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED IN WRITING 48 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.
2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
3. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO NJ STATE STANDARDS
4. PERMANENT VEGETATION SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH WILL BE USED FOR PROTECTION UNTIL SEEDING IS ESTABLISHED
5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NJ STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
6. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OR PRELIMINARY GRADING.
7. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING ALL CRITICAL AREAS SUBJECT TO EROSION (I.E.: STEEP SLOPES, ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO THE NJ STATE STANDARDS.
8. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E.: SLOPES GREATER THAT 3:1)
9. TRAFFIC CONTROL STANDARDS REQUIRE THE INSTALLATION OF A 50'X30'X6"PAD OF 1 1/2" OR 2" STONE, AT ALL CONSTRUCTION DRIVEWAYS, IMMEDIATELY AFTER INITIAL SITE DISTURBANCE.
10. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
11. IN THAT NJSA 4:24-39 ET SEQ., REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE PROVISIONS OF THE CERTIFIED PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES, ALL SITE WORK FOR SITE PLANS AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS, WILL HAVE TO BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
12. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
13. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT NJ STATE SOIL EROSION & SEDIMENT CONTROL STANDARDS.
14. THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP.
15. MULCHING TO THE NJ STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONALS ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING.
16. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING LIFE OF CONSTRUCTION PROJECT.
17. THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION AT THE REQUEST OF THE SOMERSET-UNION SOIL CONSERVATION DISTRICT.
18. HYDRO SEEDING IS A TWO- STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LIME, ETC., ALONG WITH MINIMAL AMOUNTS OF MULCH TO PROMOTE CONSISTENCY, GOOD SEED TO SOIL CONTACT, AND GIVE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF SEEDING OPERATION, HYDRO-MULCH SHOULD BE APPLIED AT A RATE OF 1500 LBS. PER ACRE IN SECOND STEP. THE USE OF HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE NJ STANDARDS.
19. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS TO MINIMIZE SOIL TRANSFER. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH THE STANDARD FOR DEWATERING.



REFERENCE NOTES:

1. THE BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN HEREIN WAS OBTAINED FROM A PLAN ENTITLED "ALTA/NSPS LAND TITLE SURVEY, THE KOINONIA ACADEMY, 1030-1108 PLAINFIELD AVENUE, CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY, BLOC 509 LOT 1" PREPARED BY E2 PROJECT MANAGEMENT LLC, DATED JANUARY 25, 2022.
2. THE PROPOSED BUILDING LAYOUT WAS BASED ON ARCHITECTURAL PLANS PROVIDED ELECTRONICALLY FROM THINK WILDER ARCHITECTURE ON JANUARY 19, 2022.

THE PROJECT IS LOCATED WITHIN A METROPOLITAN PLANNING AREA (PA1) AND URBAN ENTERPRISE ZONE. AS SUCH, PER NEW JERSEY DEPARTMENT OF AGRICULTURE STATE SOIL CONSERVATION COMMITTEE TECHNICAL BULLETIN 2018-2.0, THE PROJECT IS EXEMPT FROM THE STANDARD FOR LAND GRADING (REVISED 2017) WHICH CONTAINS PROVISIONS FOR MEASURES TO IMPROVE SOIL QUALITY ON CONSTRUCTION SITES THROUGH TESTING AND/OR REMEDIATION OF EXCESSIVELY COMPACTED SOIL.

SCHEDULE OF REVISIONS

REV.	DATE	DESCRIPTION OF CHANGES	DRAWN BY	CHK. BY
A	03/01/2022	CITY OF PLAINFIELD TRC REVIEW	ENS	JF
B	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS	JF
C	04/27/22	REVISED PER COMPLETENESS REVIEW	HB	JF

OWNER

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PLAINFIELD, NJ 07060
P: 908-654-2470

APPLICANT

J.G. PETRUCCI COMPANY, INC.
171 STATE ROUTE 173, SUITE 201
ASBURY, NJ 08802
P: 908-730-6909

N.J. ENGINEERING CERTIFICATE OF
AUTHORIZATION No. 24GA28118200

E 2 PROJECT MANAGEMENT LLC

87 HIBERNIA AVENUE
ROCKAWAY, N.J. 07866
PHONE: (973) 299-5200
FAX: (973) 299-9559
www.E2PM.com



THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THEREOF. ANY VIOLATIONS OF THESE RULES AND THE DESIGN FEATURES OR CONSTRUCTION COLLISIONS ARE HEREBY NOTED TO THE PROJECT MANAGER. E2PM SHALL NOT BE RESPONSIBLE FOR ANY VIOLATIONS OR COLLISIONS. E2PM SHALL NOT BE USED IN ANY MANNER OTHER THAN ITS INTENDED USE AND SHALL BE RETURNED UPON REQUEST.

I CERTIFY THAT THESE PLANS HAVE BEEN
PREPARED UNDER MY SUPERVISION

John Ferrante
4/27/22

JOHN FERRANTE, P.E. N.J. NO. 24GE02472000
LICENSED PROFESSIONAL ENGINEER

FIRST CHILDREN SCHOOL
1108 PLAINFIELD AVENUE
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

BLOCK 509
LOT 1

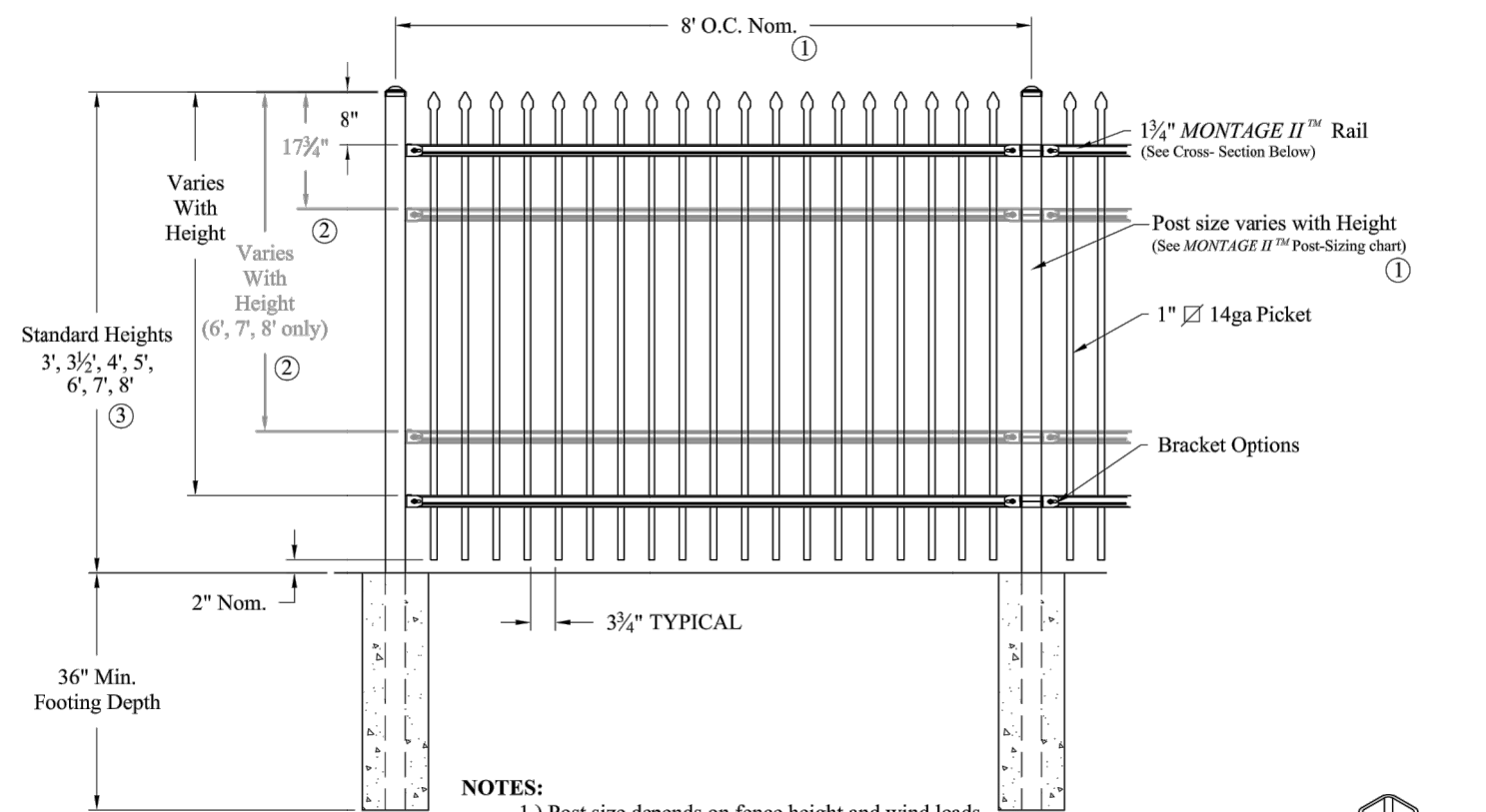
DRAWING TITLE
SOIL EROSION AND SEDIMENT
CONTROL PLAN

CHECKED BY: JF	DRAWN BY: ENS
SCALE: 1" = 30'	SHEET NO: XX OF
PROJECT #: P-21-39	FIRST ISSUE: 03/02/2022

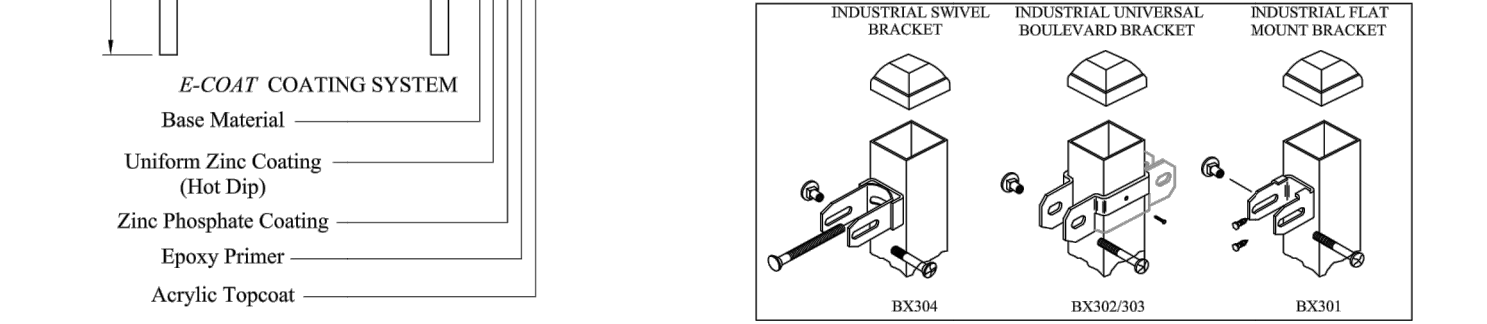
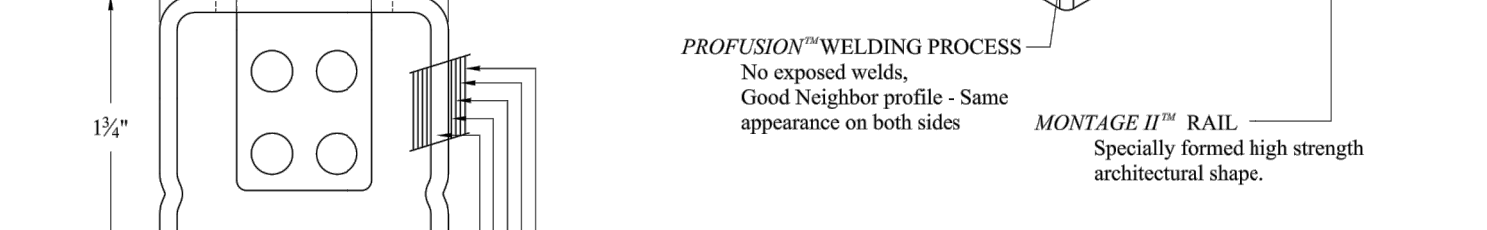
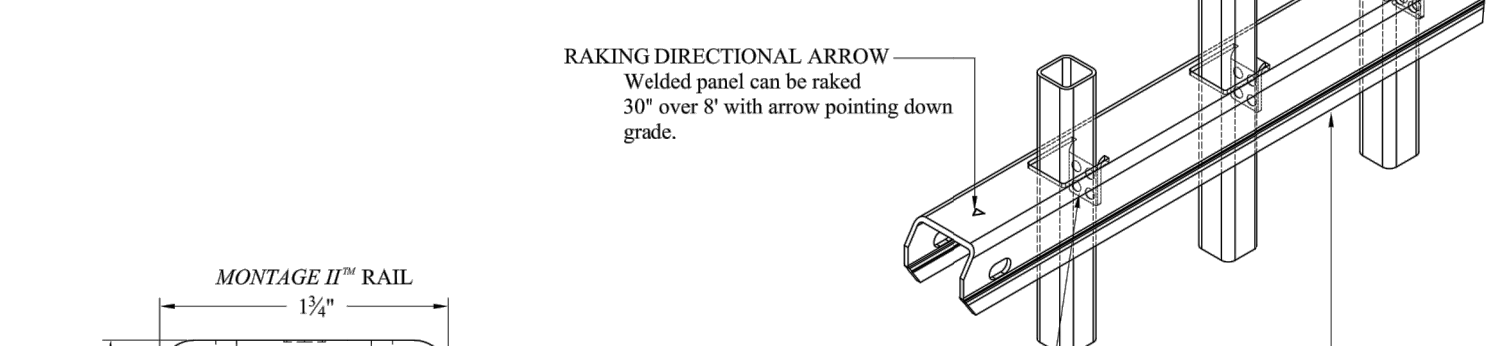
DRAWING NO.

0 15' 30' 60'
SCALE: 1" = 30'

SP-110.00



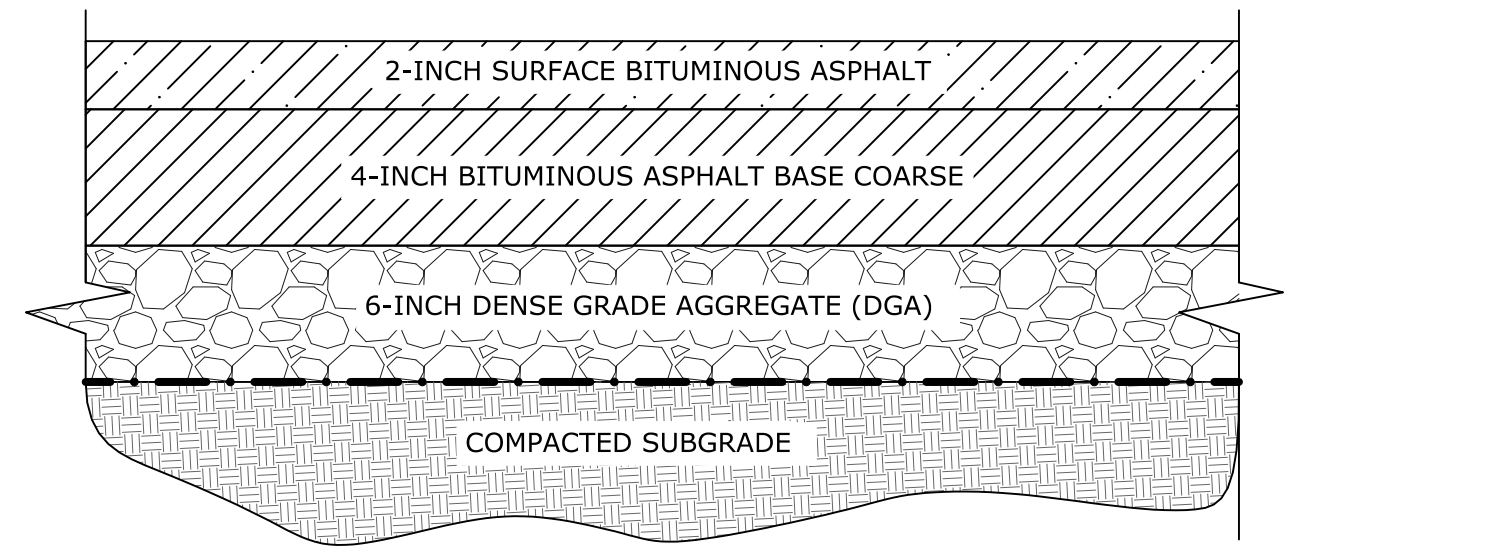
NOTES:
1.) Post size depends on fence height and wind loads. See MONTAGE II specifications for post sizing chart and setting dimensions.
2.) Third & Forth rail optional.
3.) Available in Flush Bottom.



HEAVY INDUSTRIAL STRENGTH WELDED STEEL PANEL
PRE-ASSEMBLED

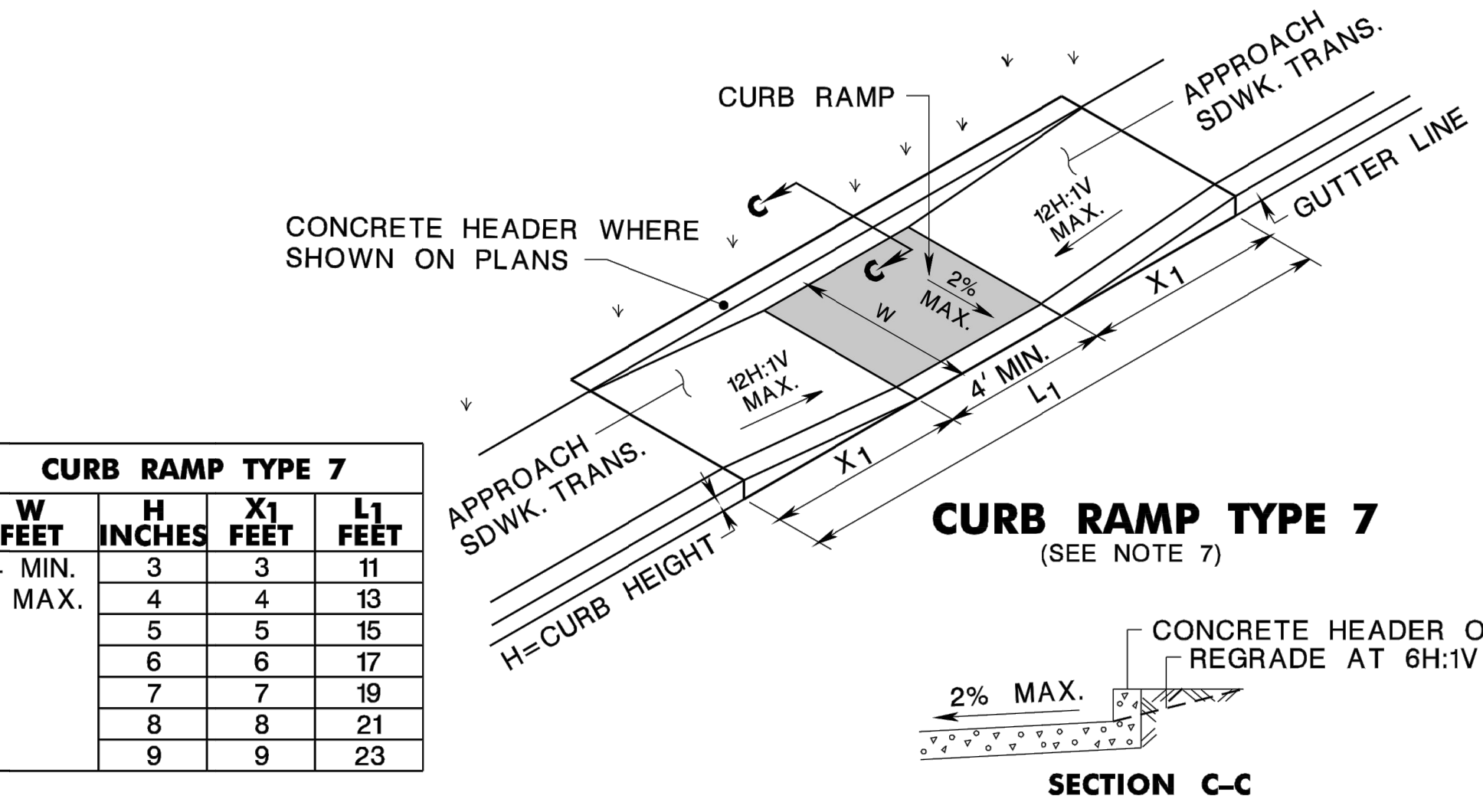
1 ORNAMENTAL PICKET FENCE & GATE

C-101 SCALE: N.T.S.



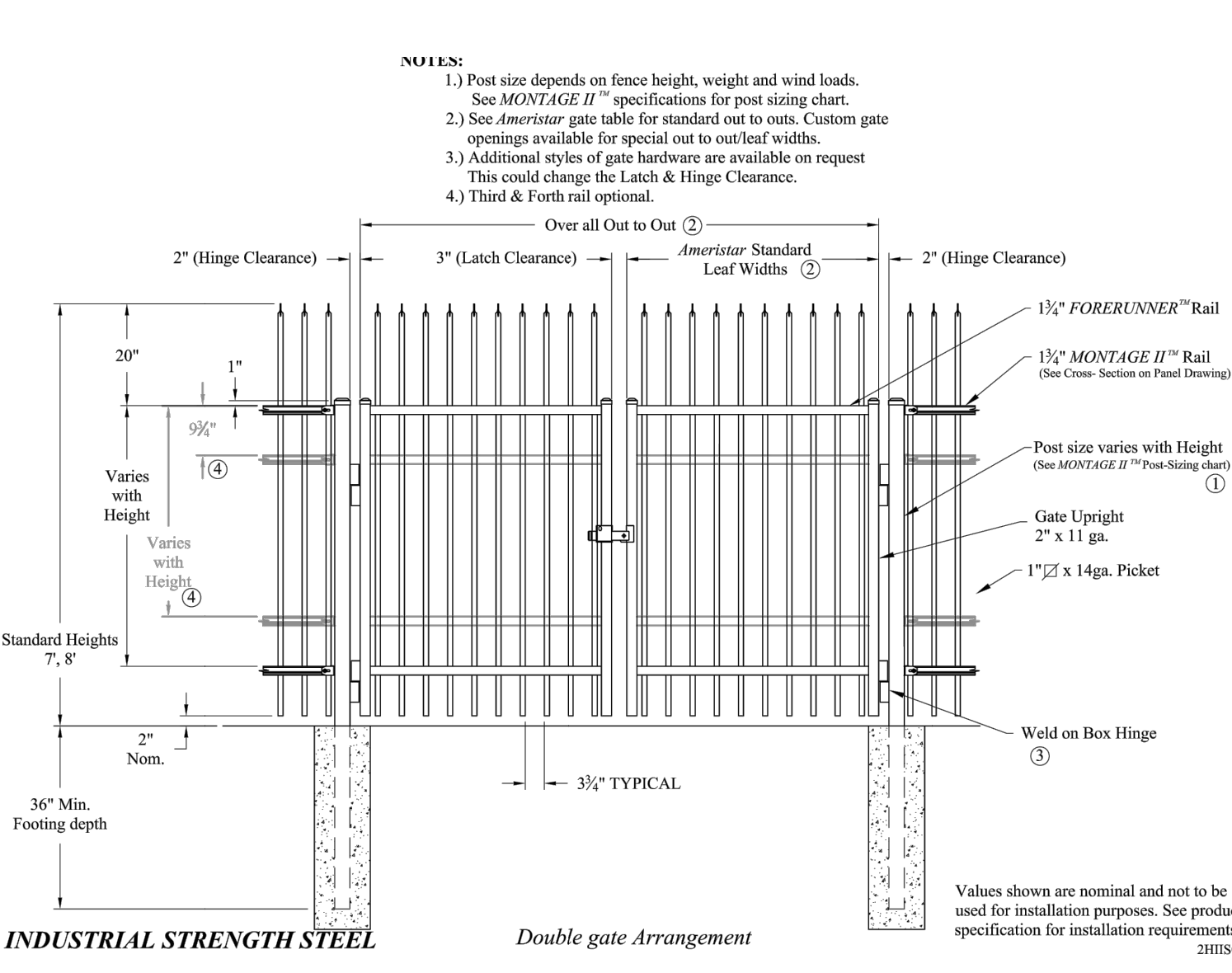
6 ASPHALT PAVEMENT

C-101 SCALE: N.T.S.



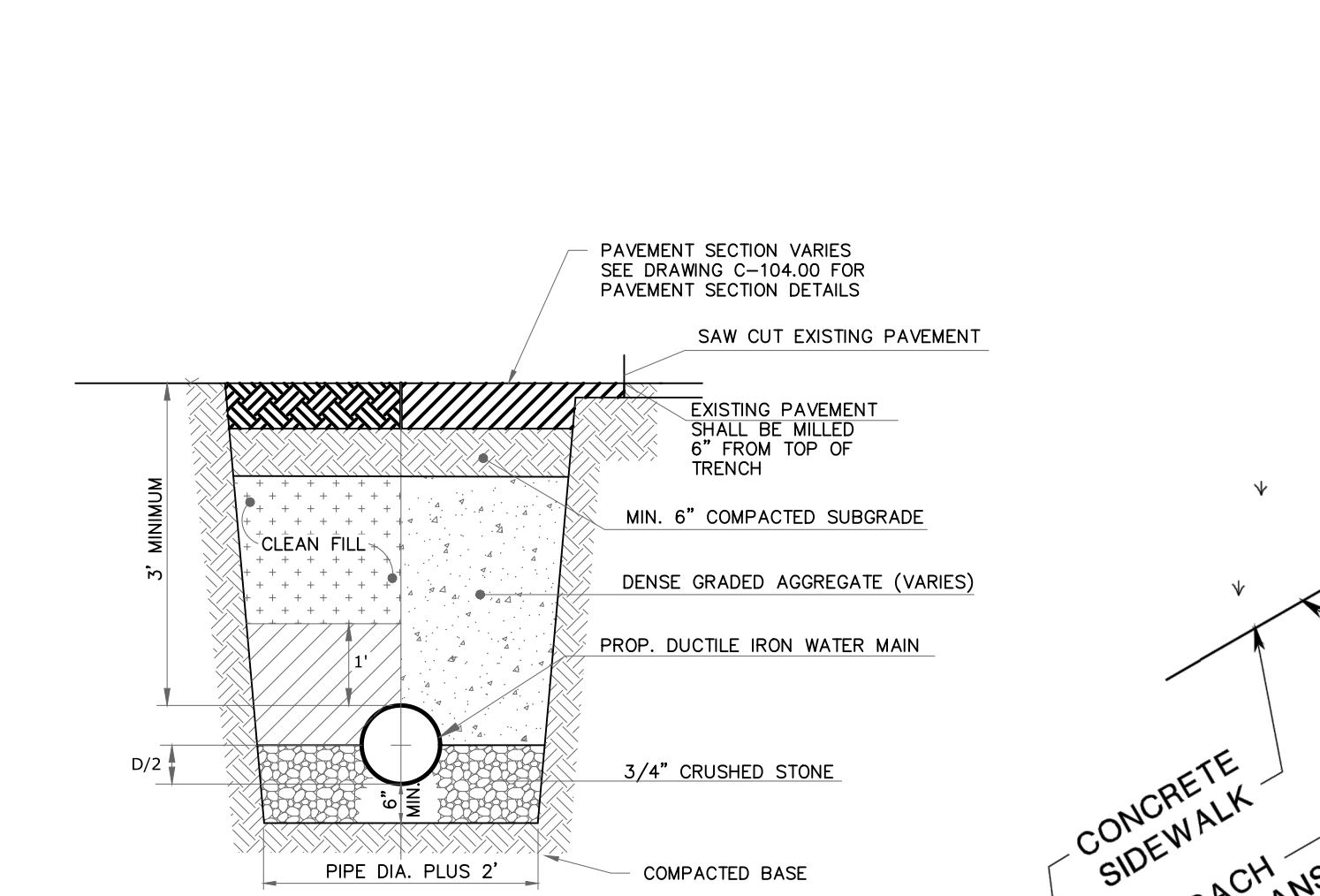
10 NJDOT ADA CURB RAMP TYPE 7

C-101 SCALE: N.T.S.



2 ORNAMENTAL PICKET FENCE GATE

C-101 SCALE: N.T.S.



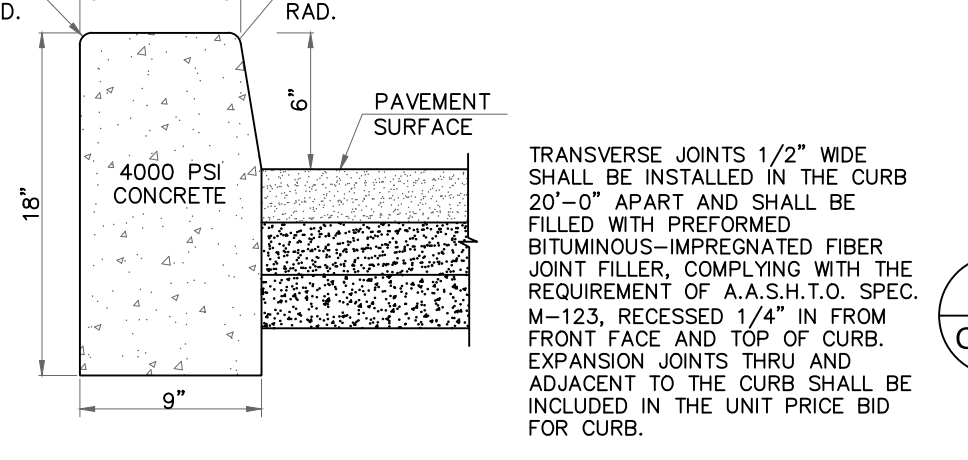
- LIMITS OF TRENCH TO BE CUT TO A NEAT EDGE AND TACK-COATED WITH EMULSIFIED ASPHALT.
- IN AREAS WITH WET OR UNSTABLE BOTTOMS USE 3/4" CLEAN BROKEN STONE TO STABILIZE TRENCH BOTTOM TO SOLID, STABLE FOUNDATION.
- CONTRACTOR SHALL REPAIR ANY SETTLED AREAS WITH STABILIZED BASE AFTER A SIX MONTH PERIOD OR ONE WINTER SEASON TO ENSURE NEW PAVEMENT SURFACE REMAINS FLUSH WITH EXISTING PAVEMENT.
- REFER TO DRAWING C-104.00 FOR PAVEMENT THICKNESS

7 PIPE TRENCH

C-101 SCALE: N.T.S.

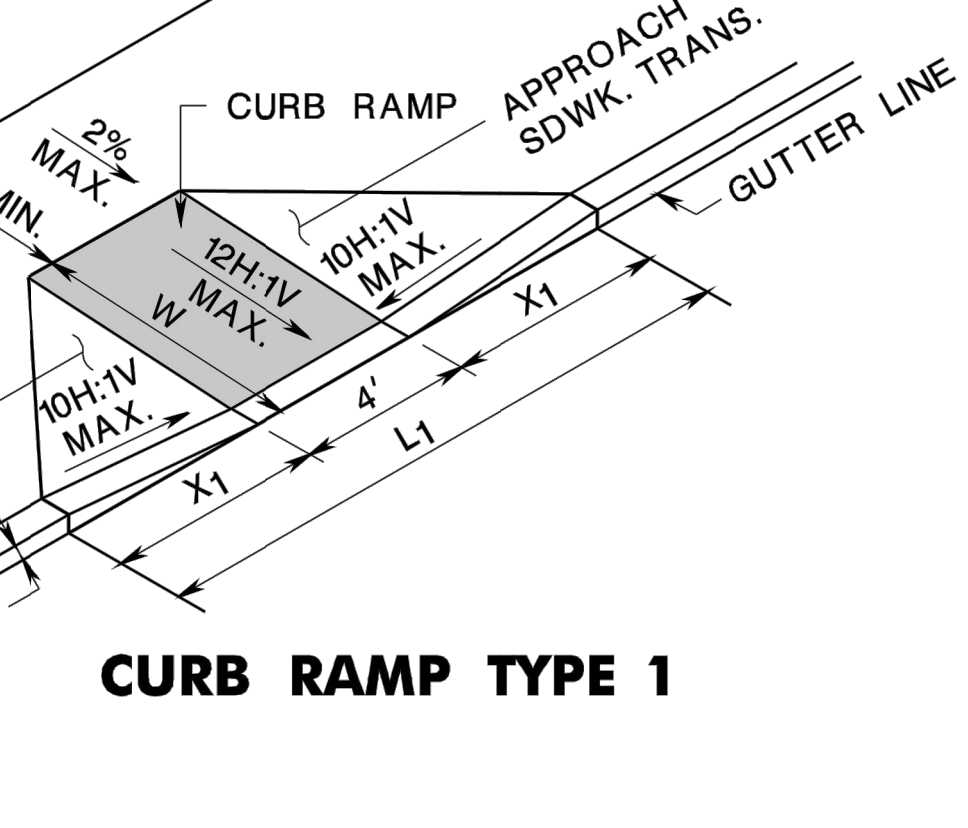
NJDOT ACCESSIBLE CURB RAMP NOTES

- LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
- DIMENSIONS SHOWN IN TABLES ARE FOR RELATIVELY FLAT SIDEWALK AREAS. CARE SHOULD BE TAKEN WHEN DETERMINING CURB RAMP SIZE BASED ON CURB HEIGHT (H) WHERE ELEVATION OF CURB AND SIDEWALK VARY DRASTICALLY IN AREA OF PROPOSED CURB RAMP.
- CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMPS.
- FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.
- SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
- CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
- WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, CURB RAMP TYPE 7 SHOULD BE USED, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.
- CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
- PREFERRED AND ALTERNATE TREATMENTS SHOULD NOT BE INTERMIXED WITHIN THE SAME INTERSECTION.
- DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMPS WILL HAVE TO BE CALCULATED BASED ON CROSS SLOPES SHOWN.



3 CONCRETE CURB

C-101 SCALE: N.T.S.

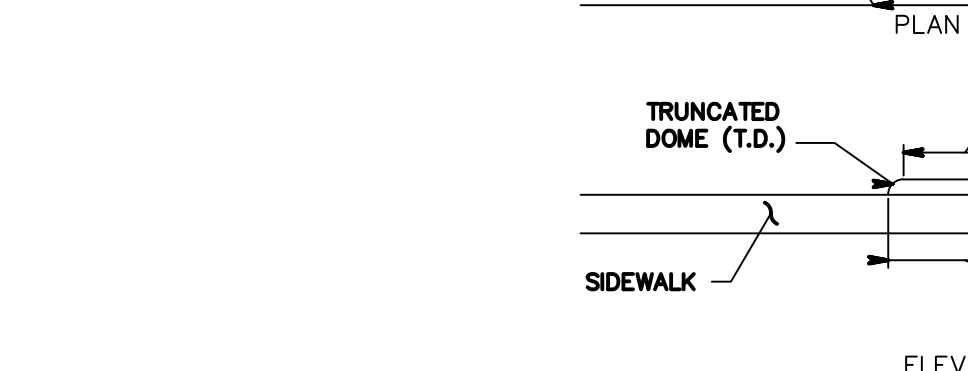


8 NJDOT ADA CURB RAMP TYP 1

C-101 SCALE: N.T.S.

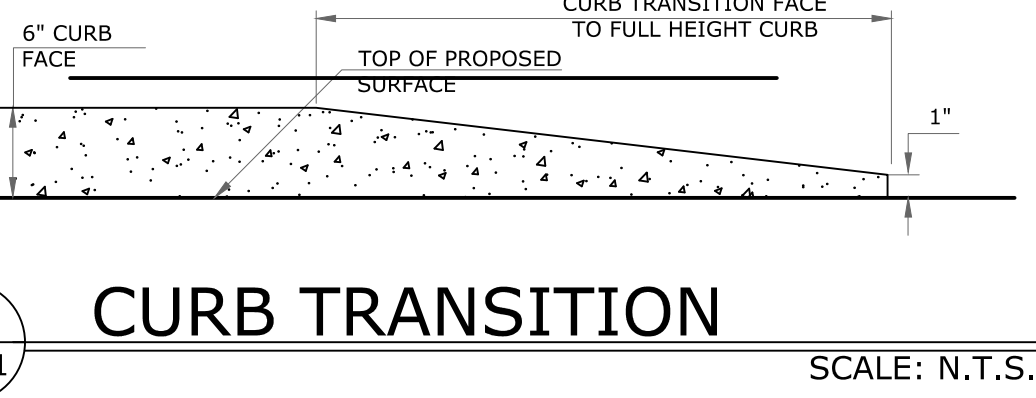
NJDOT ADA CURB RAMP TYPE 5

- LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
- DIMENSIONS SHOWN IN TABLES ARE FOR RELATIVELY FLAT SIDEWALK AREAS. CARE SHOULD BE TAKEN WHEN DETERMINING CURB RAMP SIZE BASED ON CURB HEIGHT (H) WHERE ELEVATION OF CURB AND SIDEWALK VARY DRASTICALLY IN AREA OF PROPOSED CURB RAMP.
- CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMPS.
- FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.
- SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
- CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
- WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, CURB RAMP TYPE 7 SHOULD BE USED, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.
- CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
- PREFERRED AND ALTERNATE TREATMENTS SHOULD NOT BE INTERMIXED WITHIN THE SAME INTERSECTION.
- DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMPS WILL HAVE TO BE CALCULATED BASED ON CROSS SLOPES SHOWN.



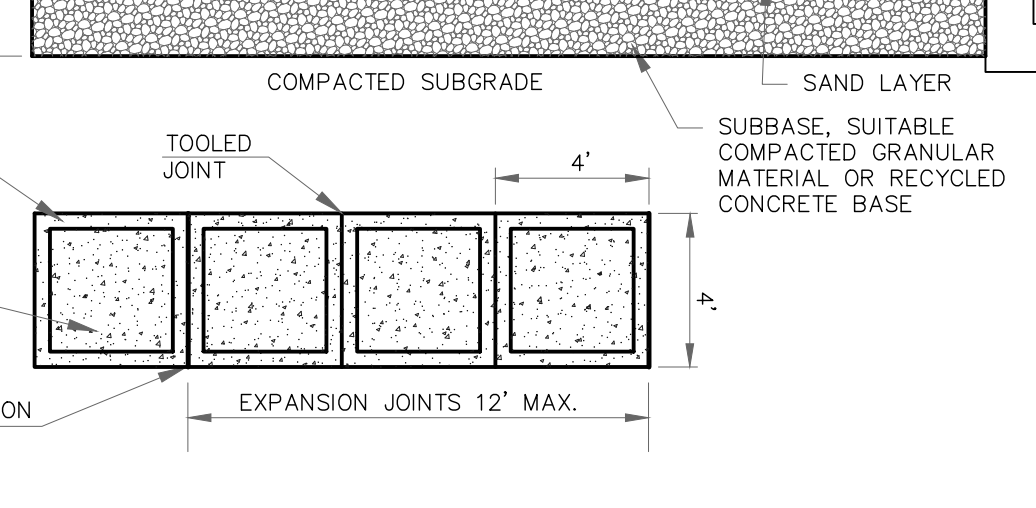
11 DETECTABLE WARNING SURFACE

C-101 SCALE: N.T.S.



4 CURB TRANSITION

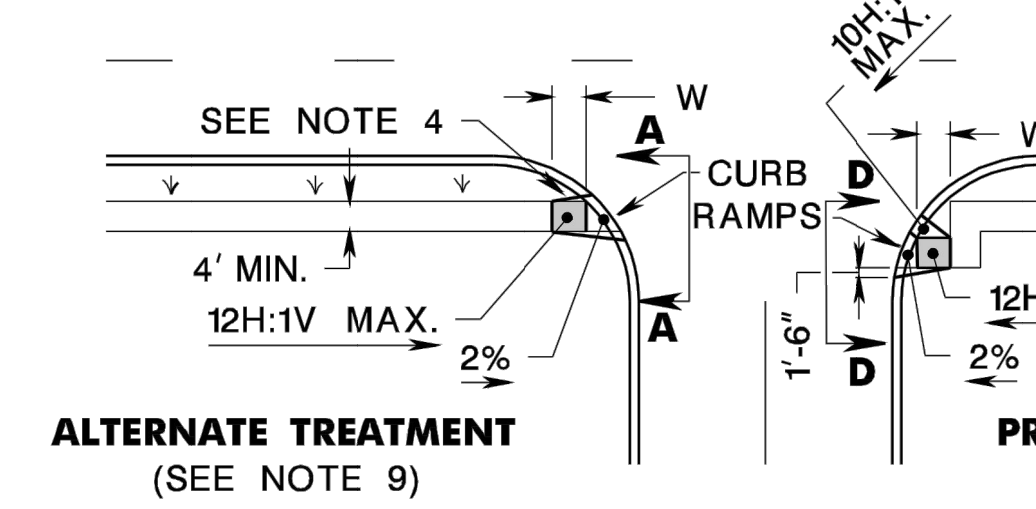
C-101 SCALE: N.T.S.



- ANY CONCRETE PLACED BETWEEN NOVEMBER 15 AND APRIL 1 MUST CONFORM TO ARTICLES 501.11 AND 501.17 OF THE N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1989 EDITION, USING 2% CALCIUM CHLORIDE, HOT WATER, COVERED W/SALT HAY.
- WHERE SIDEWALK ABUTS CURBING, INSTALL EXPANSION JOINT BETWEEN CURB AND SIDEWALK ALONG ENTIRE LENGTH.
- SLUMP TEST: 3"- 4".
- EXPANSION JOINTS EVERY 12', CONSTRUCTION JOINTS EVERY 4' AT A DEPTH OF 1/4" THICKNESS OF CONCRETE.
- ALL SIDEWALK MUST BE SPRAYED WITH WHITE PIGMENTED CURING COMPOUND AFTER BROOM FINISHING.

5 CONCRETE SIDEWALK

C-101 SCALE: N.T.S.



CURB RAMP TYPE 5

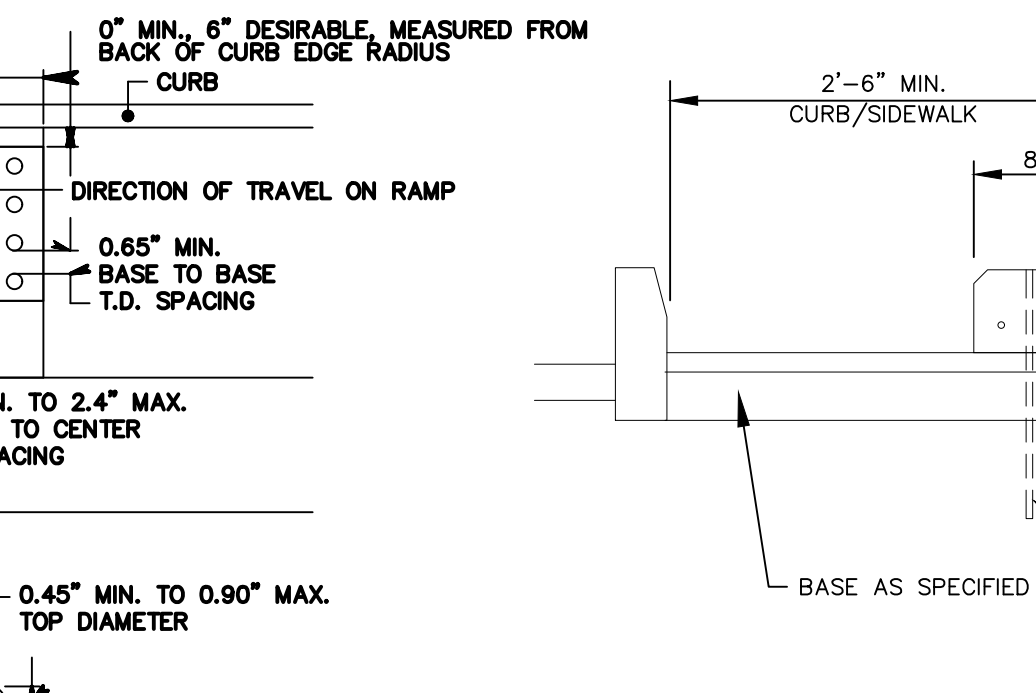
(CROSSING PARALLEL TO HIGHWAY ONLY)

CURB RAMP TYPE 1			
H INCHES	X1 FEET	L1 FEET	W FEET
3	2.5	9.0	3
4	3.3	10.6	4
5	4.2	12.4	5
6	5.0	14.0	6
7	5.8	15.6	7
8	6.7	17.4	8
9	7.5	19.0	9

CURB RAMP TYPE 2, 5 OR 6	
H INCHES	W FEET
3	3
4	4
5	5
6	6
7	7
8	8
9	9

9 NJDOT ADA CURB RAMP TYPE 5

C-101 SCALE: N.T.S.



12 CONCRETE WHEEL STOP

C-101 SCALE: N.T.S.

SCHEDULE OF REVISIONS

REV.	DATE	DESCRIPTION OF CHANGES	DRAWN BY	CHK. BY
A	03/01/2022	CITY OF PLAINFIELD TRC REVIEW	ENS	JF
B	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS	JF
C	04/27/22	REVISED PER COMPLETENESS REVIEW	HB	JF

OWNER

THE KOINONIA ACADEMY
1040 PLAINFIELD AVENUE
PLAINFIELD, NJ 07060
P: 908-654-2470

APPLICANT

J.G. PETRUCCI COMPANY, INC.
171 STATE ROUTE 173, SUITE 201
ASBURY, NJ 08802
P: 908-730-6909

N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200

E 2 PROJECT MANAGEMENT LLC

87 HIBERNIA AVENUE
ROCKAWAY, N.J. 07866
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I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

John Ferrante
4/27/22

JOHN FERRANTE, P.E. N.J. NO. 24GE02472000
LICENSED PROFESSIONAL ENGINEER

FIRST CHILDREN SCHOOL
1108 PLAINFIELD AVENUE
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

BLOCK 509
LOT 1

DRAWING TITLE

CONSTRUCTION DETAILS

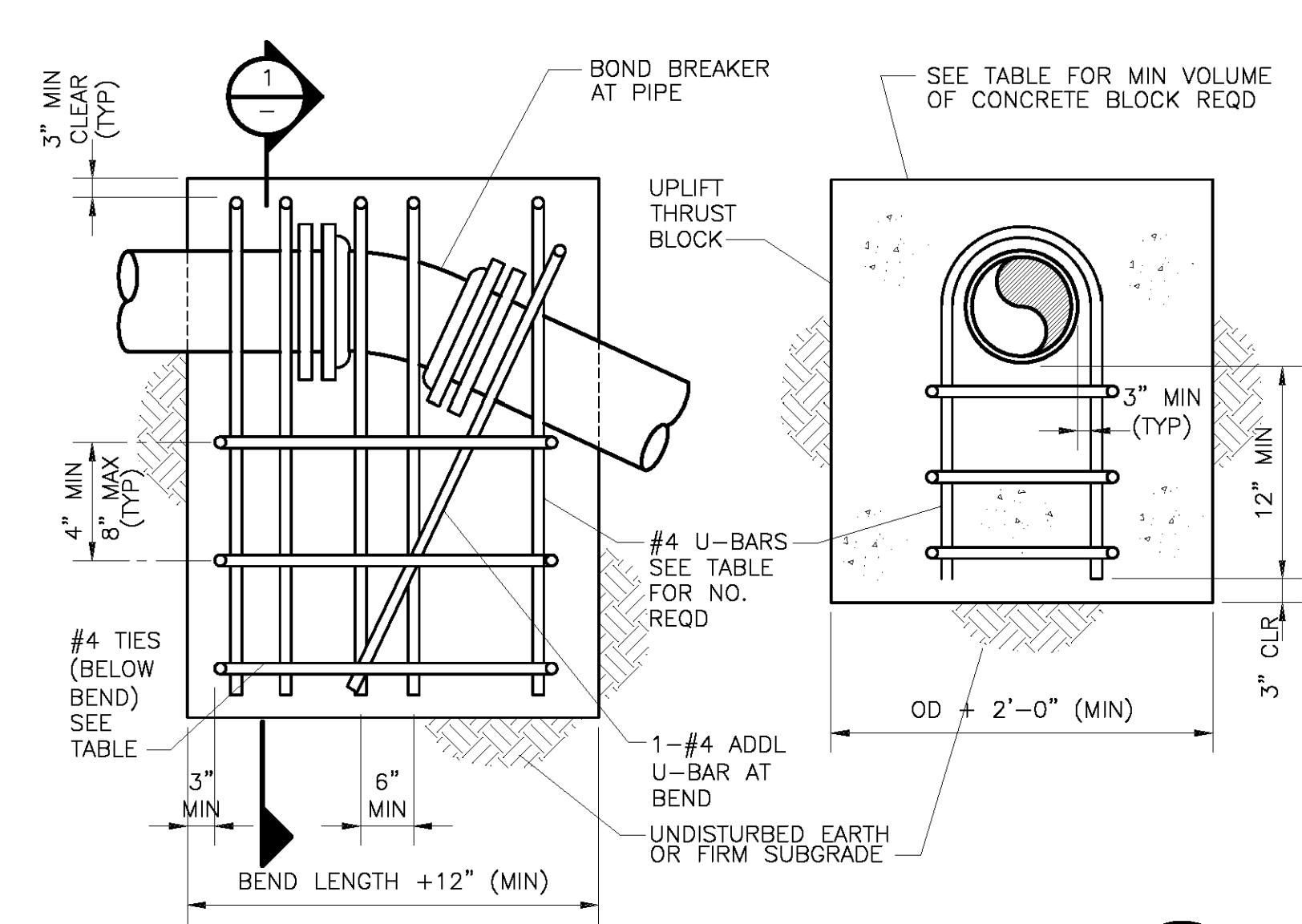
CHECKED BY: JF DRAWN BY: ENS

SCALE: AS SHOWN SHEET NO: XX OF

PROJECT #: P-21-39 FIRST ISSUE: 03/02/2022

DRAWING NO.

C-101.00



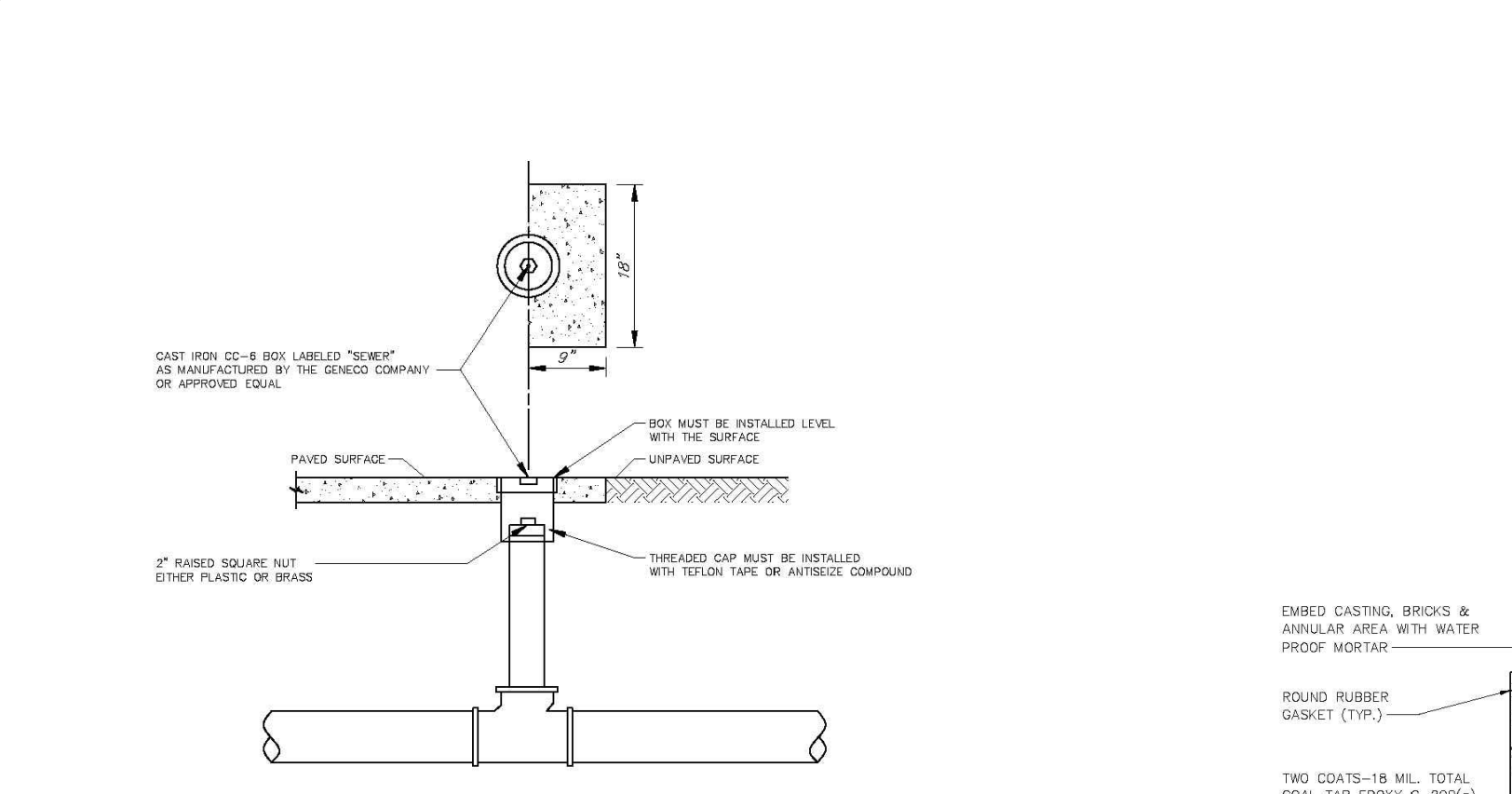
PIPE SIZE (IN.)	PIPE Q.D. (IN.)	60 DEG REINF	60 DEG CONC	45 DEG REINF	45 DEG CONC	30 DEG REINF	30 DEG CONC	22.5 DEG REINF	22.5 DEG CONC	#4 TIES REQD
3	3.96	2	1	2	0.5	2	0.5	2	0.5	2
4	4.80	2	1	2	1.0	2	0.5	2	0.5	2
6	6.90	2	2	2	1.5	2	1.0	2	1.0	2
8	9.05	2	3.5	2	3	2	2	2	1.5	2
10	11.10	2	5	2	4	2	3	2	2.0	2
12	13.20	3	7	3	6	2	4	2	3	2
14	15.30	4	9	4	7	3	5	2	4	4
16	17.40	6	12	5	10	3	7	3	5	4
18	19.50	7	15	6	12	4	9	3	7	4

NOTES:

- "REINF" = NO. OF #4-U-BARS REQUIRED.
- "CONCRETE" = VOLUME OF CONCRETE BLOCK REQUIRED, CU YD.
- MAXIMUM TEST PRESSURE = 1.50x1.50 PSI.
- MINIMUM GRADE 40 REBAR.

1 CONCRETE THRUSTBLOCK FOR VERTICAL BENDS

SCALE: N.T.S.

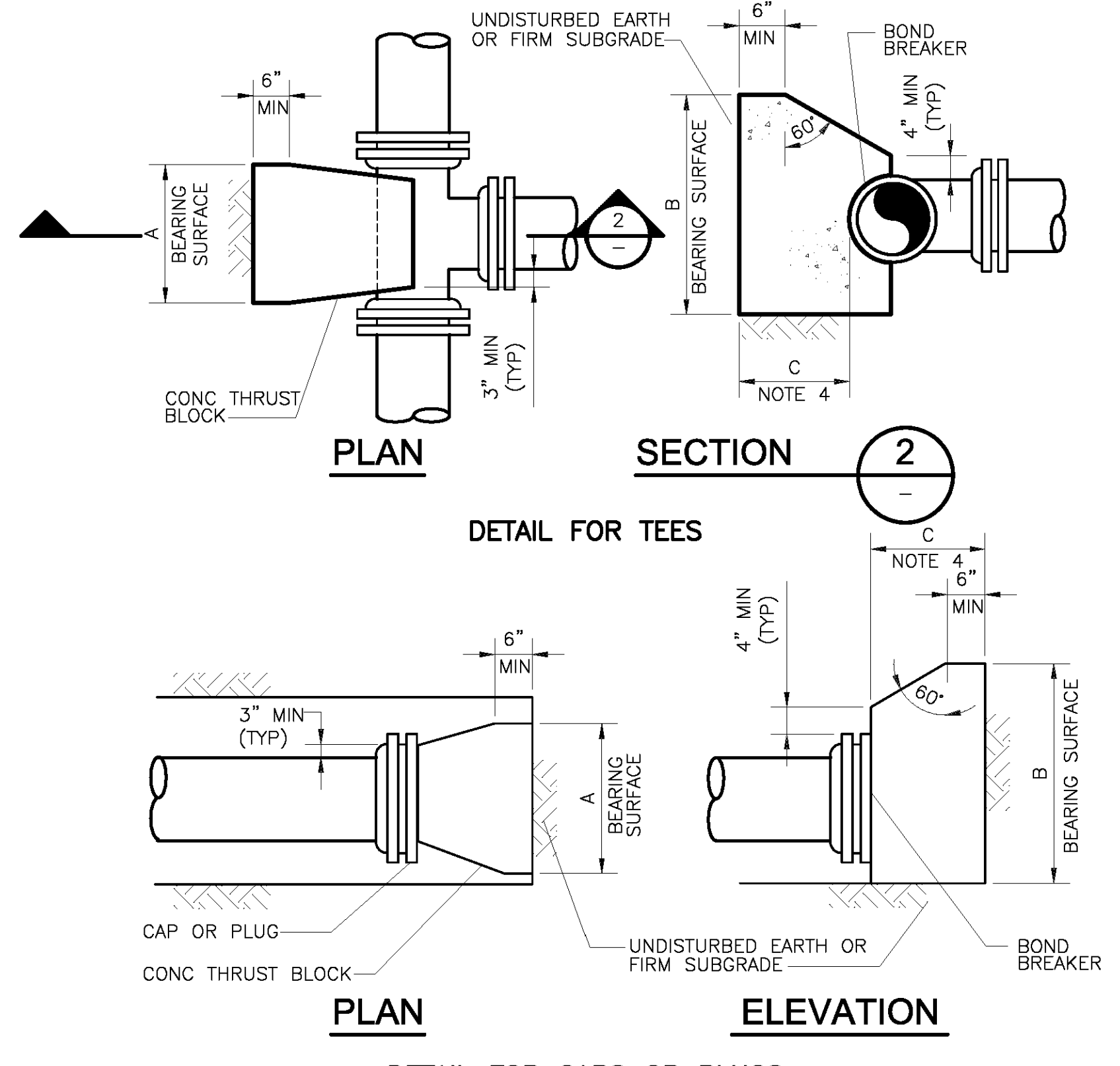


NOTES:

- AT LEAST ONE CLEANOUT MUST BE PROVIDED ON EACH LATERAL.
- A CLEANOUT WILL BE PROVIDED FOR EACH LATERAL BETWEEN THE CURB AND THE SIDEWALK.
- IN GENERAL, OWNERSHIP AND MAINTENANCE OF LATERALS AND CLEANOUTS WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
- THE LOCATION OF ALL CLEANOUTS MUST BE APPROVED BY THE TOWNSHIP PLUMBING DEPARTMENT.
- ALL CLEANOUTS LOCATED WITHIN PAVEMENT OR CONCRETE MUST BE PROTECTED WITH A C-6 BOX.

4 CLEANOUT DETAIL

SCALE: N.T.S.



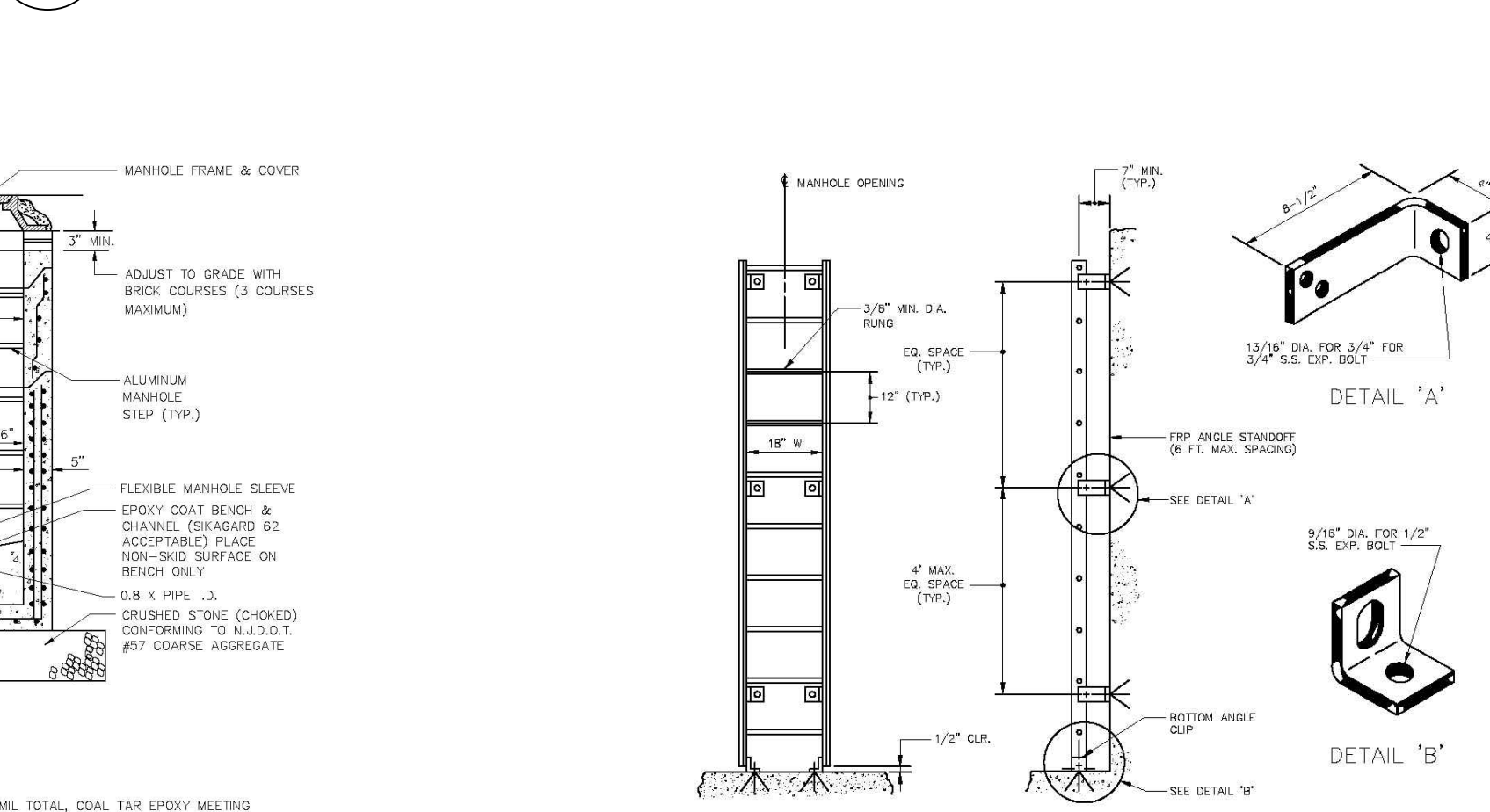
NOMINAL PIPE SIZE (IN.)	MAXIMUM PIPE OD (IN.)	REQUIRED BEARING AREA (SQ FT)
3	3.96	1.4
4	4.80	2.0
6	6.90	4
8	9.05	7
10	11.10	11
12	13.20	15
14	15.30	21
16	17.40	27
18	19.50	34
20	21.60	41
24	25.80	59
30	32.00	90
36	38.30	130

NOTES:

- MAXIMUM TEST PRESURE = 1.50x150 PSI
- MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF
- BEARING AREA = A x B
- C SHALL BE GREATER THAN A/2 AND B/2.

2 CONCRETE THRUSTBLOCK FOR TEES CAPS AND PLUGS

SCALE: N.T.S.



NOTES:

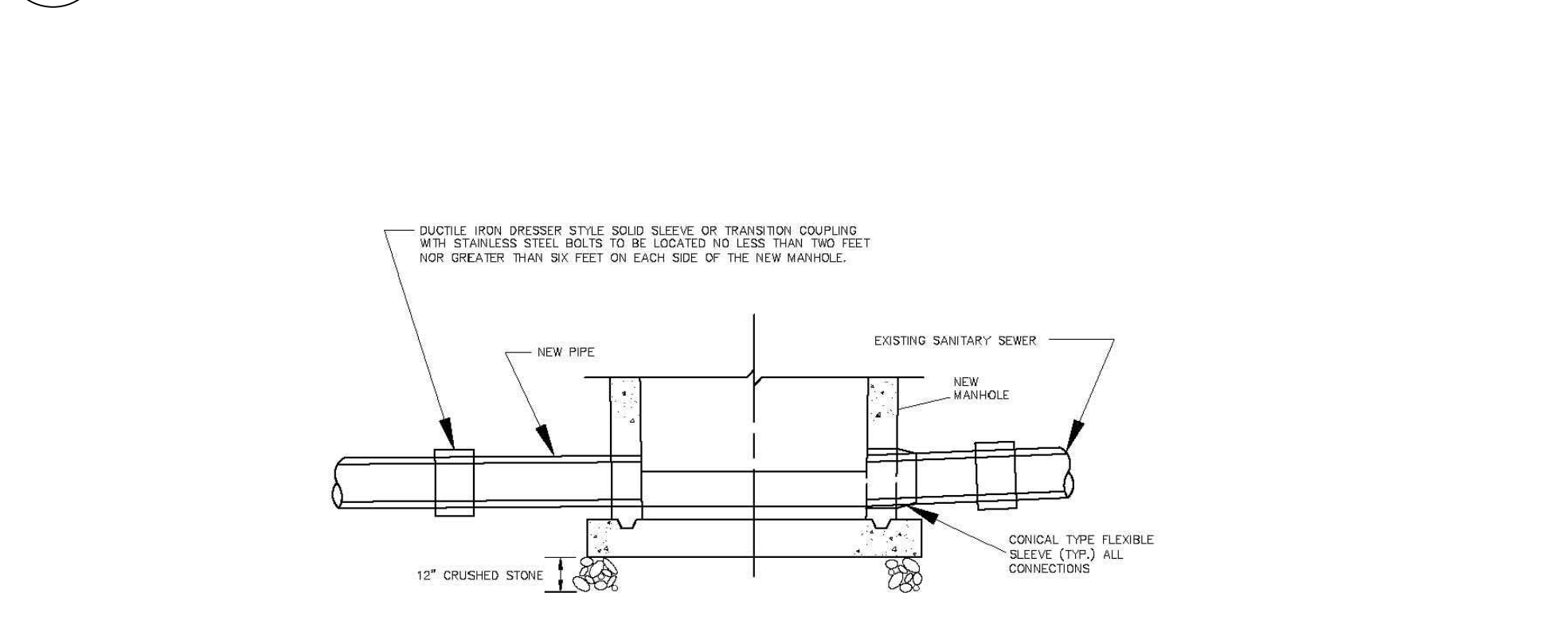
- INTERIOR SURFACES TO BE COATED WITH TWO COATS, 18 MIL TOTAL COAT TAR EPOXY MEETING SPECIFICATION C-200(A) OR BSC-PAINT 18 IF RECEIVING DIRECT DISCHARGE FROM PUMP STATION OR OTHERWISE IN INVERT ELEVATIONS EXCEEDS 12'.
- RISER, CONES AND SLABS SHALL BE CONSTRUCTED IN ACCORDANCE WITH A.S.T.M. C-478.
- NON PENETRATING LIFTING HOLES SHALL BE PROVIDED IN ALL UNITS.
- ABSORPTION NOT TO EXCEED 8% IN ACCORDANCE WITH A.S.T.M. C-76.
- ALL JOINTS TO BE CONSTRUCTED IN ACCORDANCE WITH A.S.T.M. C-381.
- NO PRE-CAST BENCHES OR CHANNELS
- CAN ONLY BE USED AT DEPTHS GREATER THAN 8.5' AS MEASURED FROM RM TO INVERT.

5 SANITARY MANHOLE

SCALE: N.T.S.

3 CONCRETE THRUSTBLOCK FOR HORIZONTAL BENDS

SCALE: N.T.S.

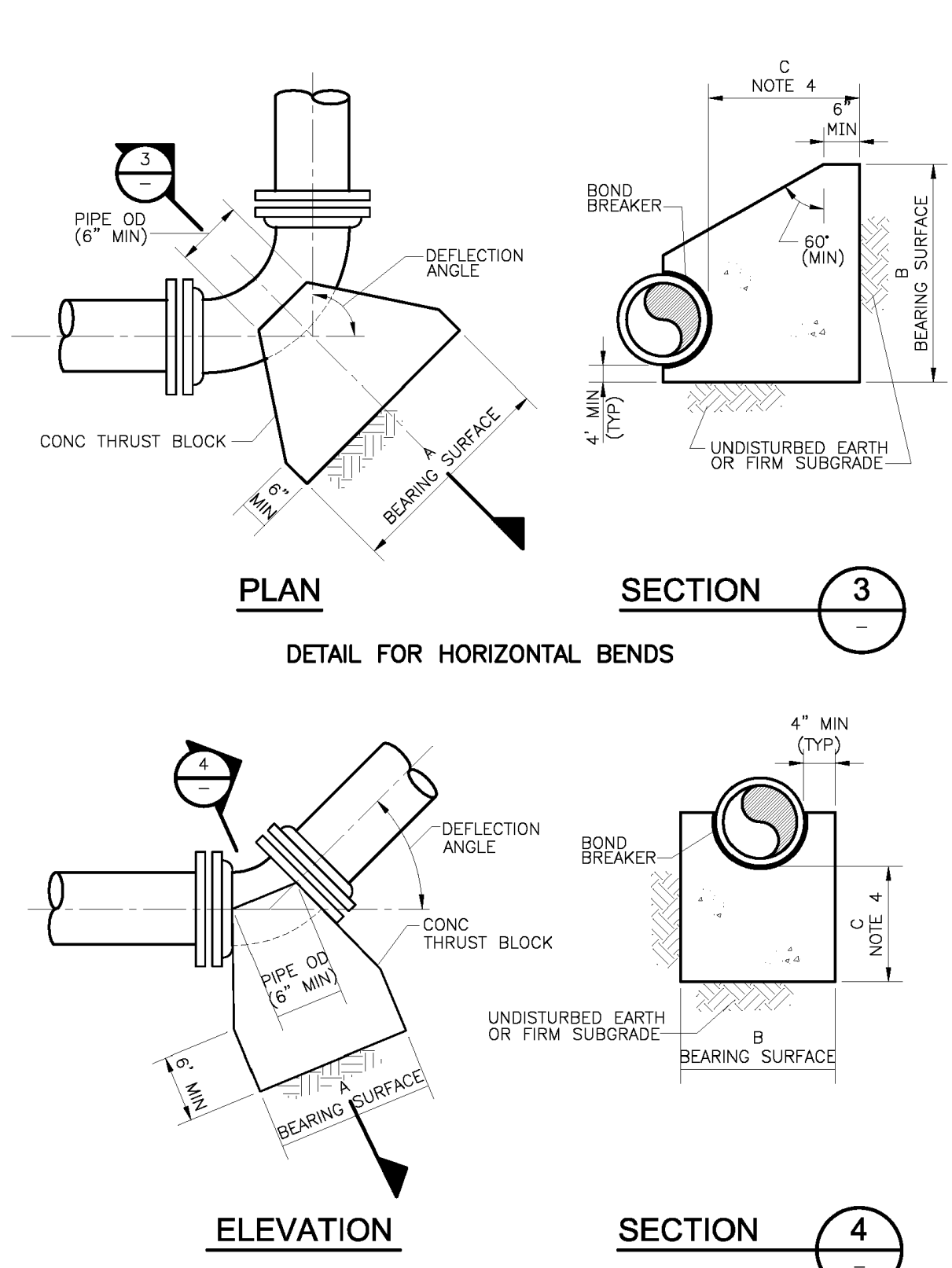


NOTES:

- BENCH TO HAVE 2.0% SLOPE (TYP.) WITH NON SKID SURFACE.
- ALL CONNECTIONS TO BE MADE WITH CONICAL TYPE FLEXIBLE SEAL SUCH AS KOR-N-SEAL OR EQUAL.
- ALL CHANNELS MUST BE HALF PIPE OR EPOXY COATED.
- THE MANHOLE MUST MEET ALL REQUIREMENTS FOR MANHOLE CONSTRUCTION SHOWN ON THE OTHER DETAILS OF THE AUTHORITY INCLUDING BUT NOT LIMITED TO THE REQUIREMENT FOR 12" OF CRUSHED STONE TO BE PLACED UNDER THE NEW MANHOLE.

7 MANHOLE INSTALLED ON EXISTING SEWER

SCALE: N.T.S.

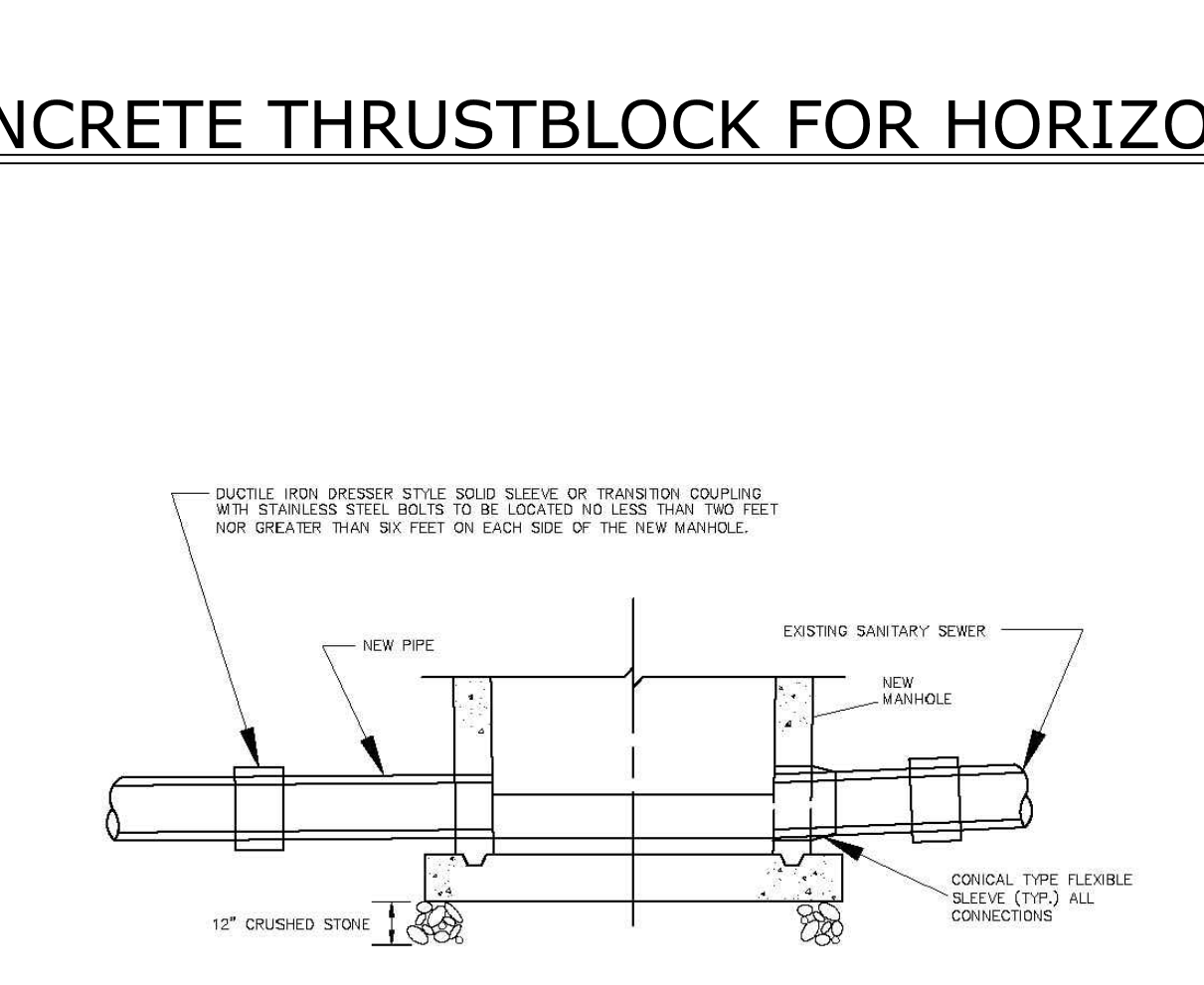


NOMINAL PIPE SIZE (INCHES)	MAXIMUM PIPE OD (INCHES)	REQUIRED BEARING AREA (SQ FT)					
		90 DEG	60 DEG	45 DEG	30 DEG	22.50 DEG	11.25 DEG
3	3.96	2.0	1.4	1.1	0.7	0.5	0.3
4	4.80	2.9	2.0	1.6	1.1	0.8	0.4
6	6.90	6	4	3	2.2	1.6	0.8
8	9.05	10	7	6	4	3	1.4
10	11.10	15	11	8	6	4	2.1
12	13.20	22	15	12	8	6	3
14	15.30	29	21	16	11	8	4
16	17.40	38	27	20	14	10	5
18	19.50	48	34	26	17	13	7
20	21.60	58	41	32	21	16	8
24	25.80	83	59	45	30	23	12
30	32.00	128	90	69	47	35	18
36	38.30	183	130	99	67	51	25

THRUST BLOCKS FOR HORIZONTAL BENDS AND LOWER VERTICAL BENDS

NOTES:

- MAXIMUM TEST PRESURE = 1.5 x 150 PSI
- MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF
- BEARING AREA = A x B
- C SHALL BE GREATER THAN A/2 AND B/2.



NOTES:

- BENCH TO HAVE 2.0% SLOPE (TYP.) WITH NON SKID SURFACE.
- ALL CONNECTIONS TO BE MADE WITH CONICAL TYPE FLEXIBLE SEAL SUCH AS KOR-N-SEAL OR EQUAL.
- ALL CHANNELS MUST BE HALF PIPE OR EPOXY COATED.
- THE MANHOLE MUST MEET ALL REQUIREMENTS FOR MANHOLE CONSTRUCTION SHOWN ON THE OTHER DETAILS OF THE AUTHORITY INCLUDING BUT NOT LIMITED TO THE REQUIREMENT FOR 12" OF CRUSHED STONE TO BE PLACED UNDER THE NEW MANHOLE.

SCHEDULE OF REVISIONS			
REV.	DATE	DESCRIPTION OF CHANGES	DRAWN BY CHK. BY
A	03/01/2022	CITY OF PLAINFIELD TRC REVIEW	ENS JF
B	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS JF
C	04/27/22	REVISED PER COMPLETENESS REVIEW	HB JF

OWNER

THE KOINONIA ACADEMY
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PLAINFIELD, NJ 07060
P: 908-654-2470

APPLICANT

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171 STATE ROUTE 173, SUITE 201
ASBURY, NJ 08802
P: 908-730-6909

N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200

E 2 PROJECT MANAGEMENT LLC

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www.E2PM.com

I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

JOHN FERRANTE, P.E. N.J. NO. 24GE02472000
LICENSED PROFESSIONAL ENGINEER

FIRST CHILDREN SCHOOL
1108 PLAINFIELD AVENUE
CITY OF PLAINFIELD
UNION COUNTY, NEW JERSEY

BLOCK 509
LOT 1

DRAWING TITLE

CONSTRUCTION DETAILS

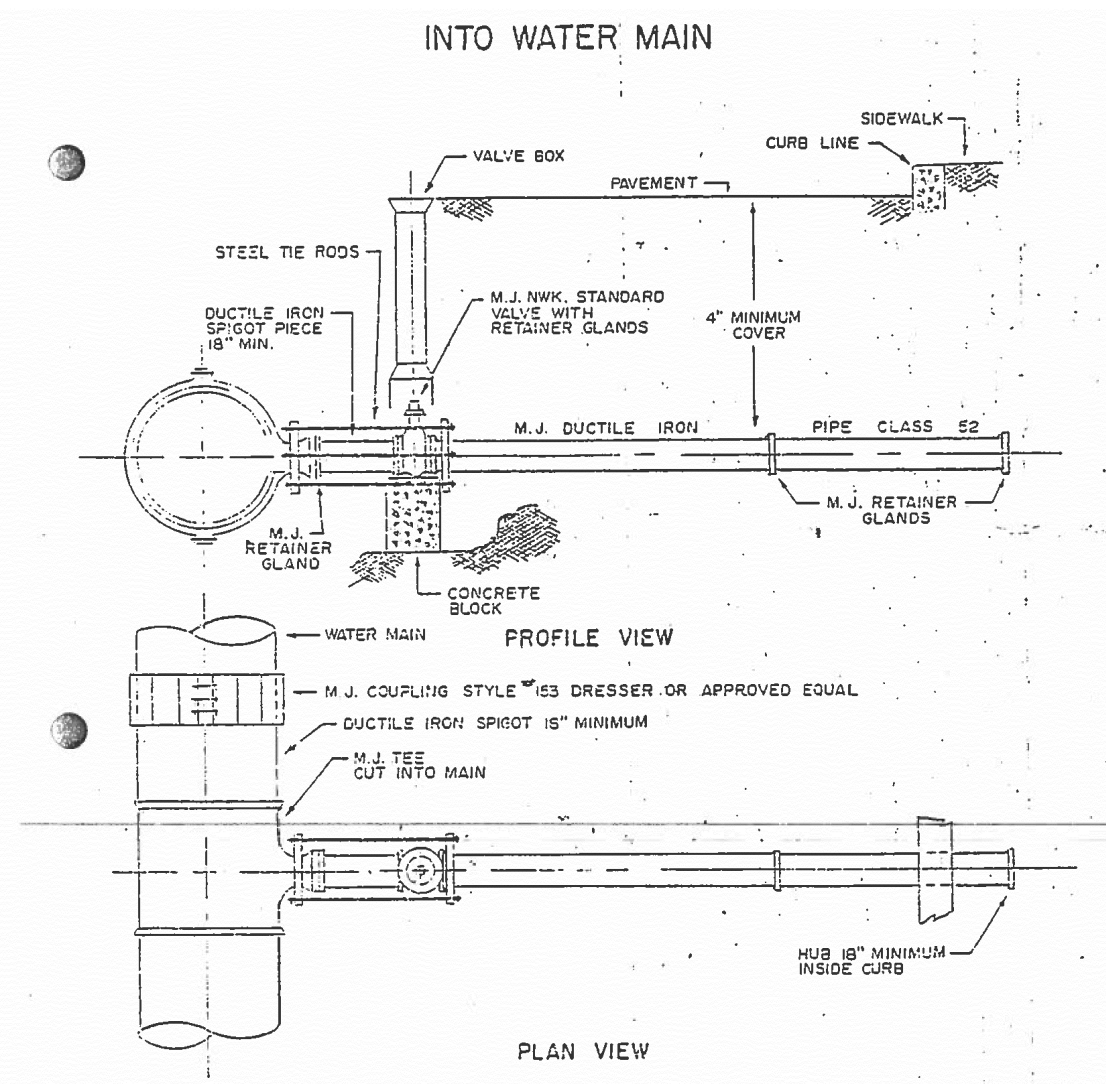
CHECKED BY: JF DRAWN BY: ENS

SCALE: AS SHOWN SHEET NO: XX OF

PROJECT #: P-21-39 FIRST ISSUE: 03/02/2022

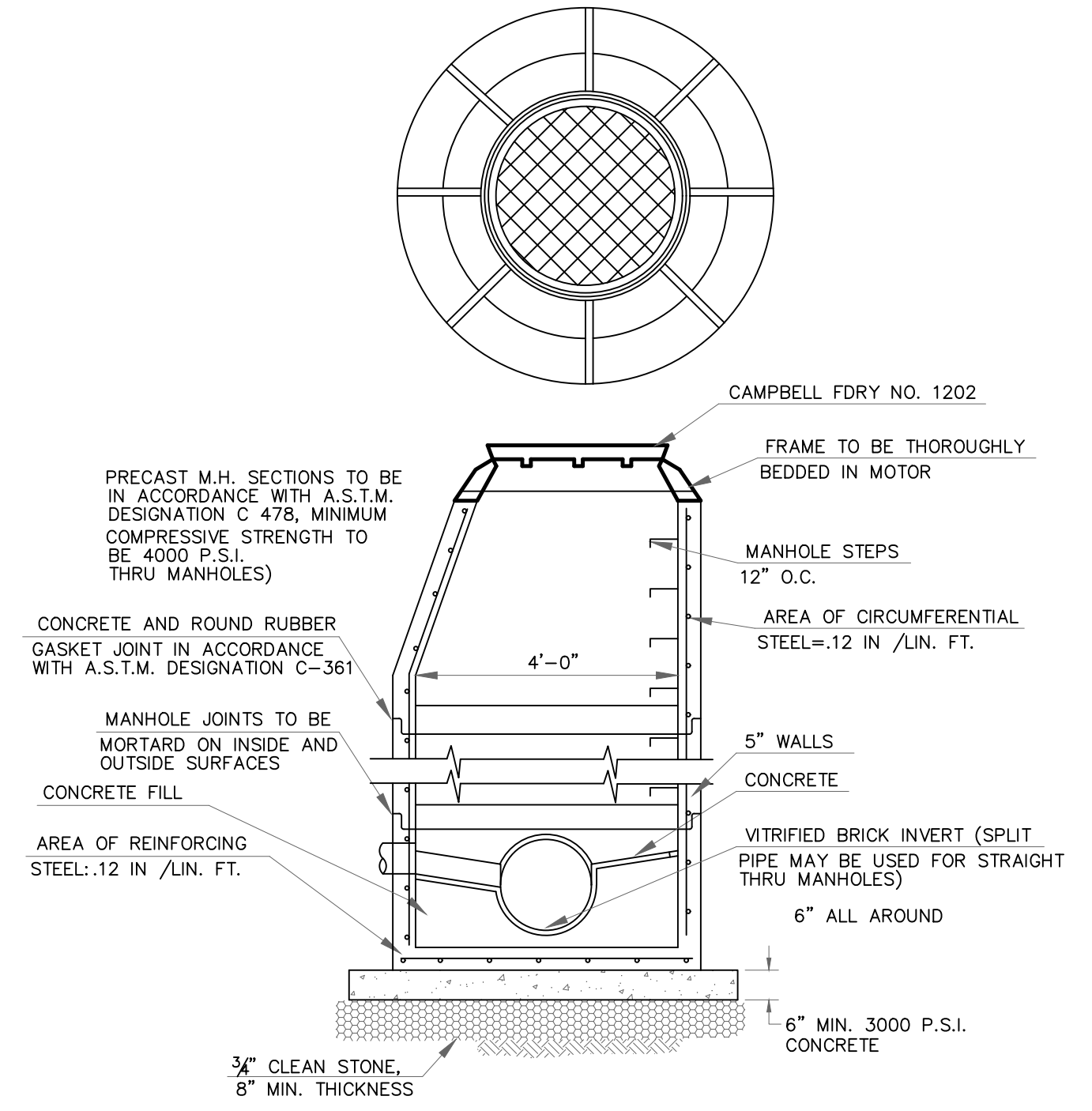
DRAWING NO.

C-102.00



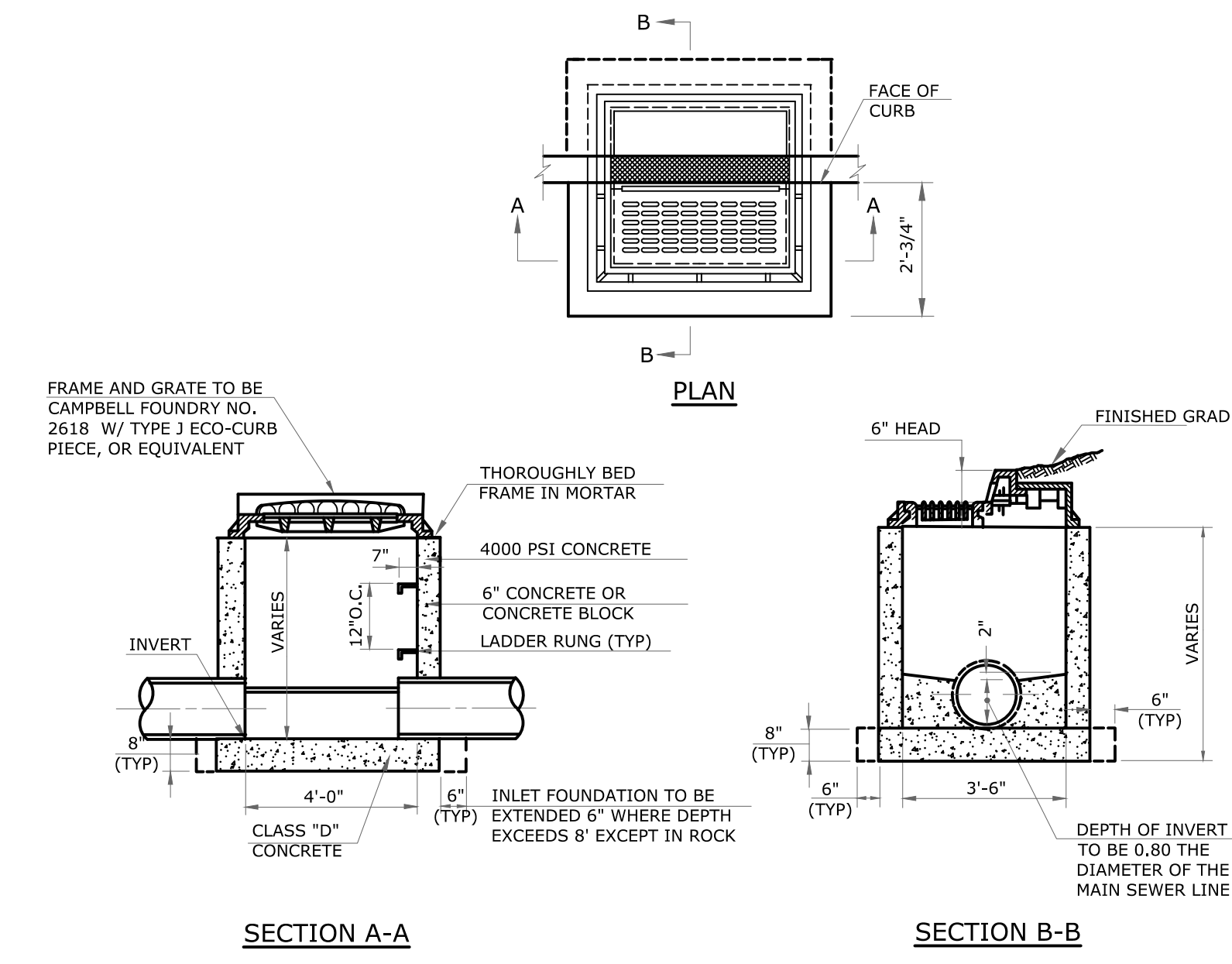
Note: Service installations are to be at least one size less than the size of the main. This installation will be allowed only under special conditions approved by the Division. Division (press will shut down the main in order that the installation can be made.

1 WATER MAIN TAP SCALE: N.T.S.

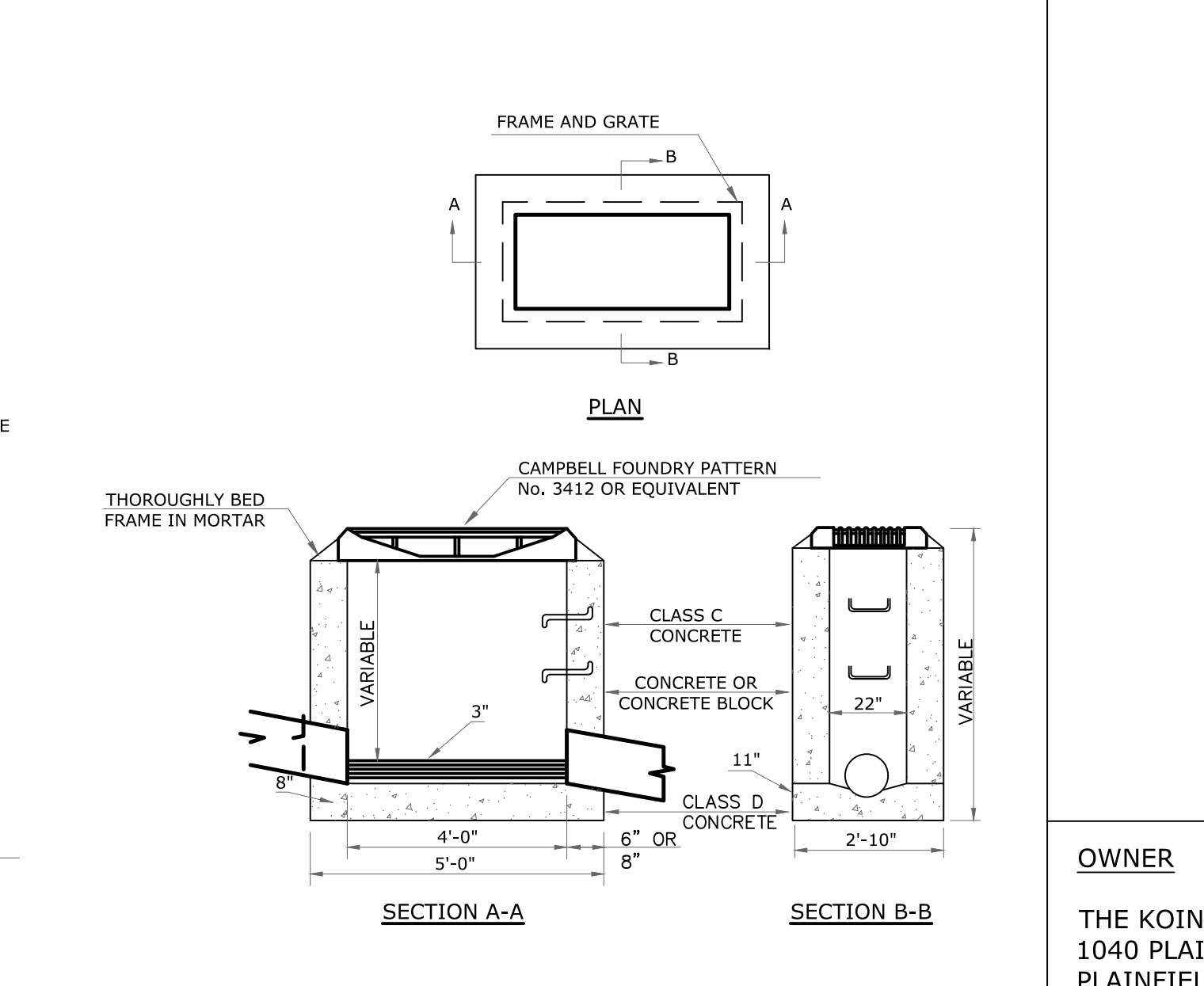


NOTES:
1. 1/2" COAT OF CEMENT MORTAR ON EXTERIOR AND PAINTED WITH BITUMASTIC PAINT.
2. INTERIOR TO BE RUBBED FINISH OR NEATLY STRUCK JOINTS.
3. MANHOLE COVERS SHALL BE CAST WITH THE WORDS SANITARY SEWER.
4. COVERS SHALL HAVE NON-PENETRATING PICKHOLES AND NO VENT HOLES.

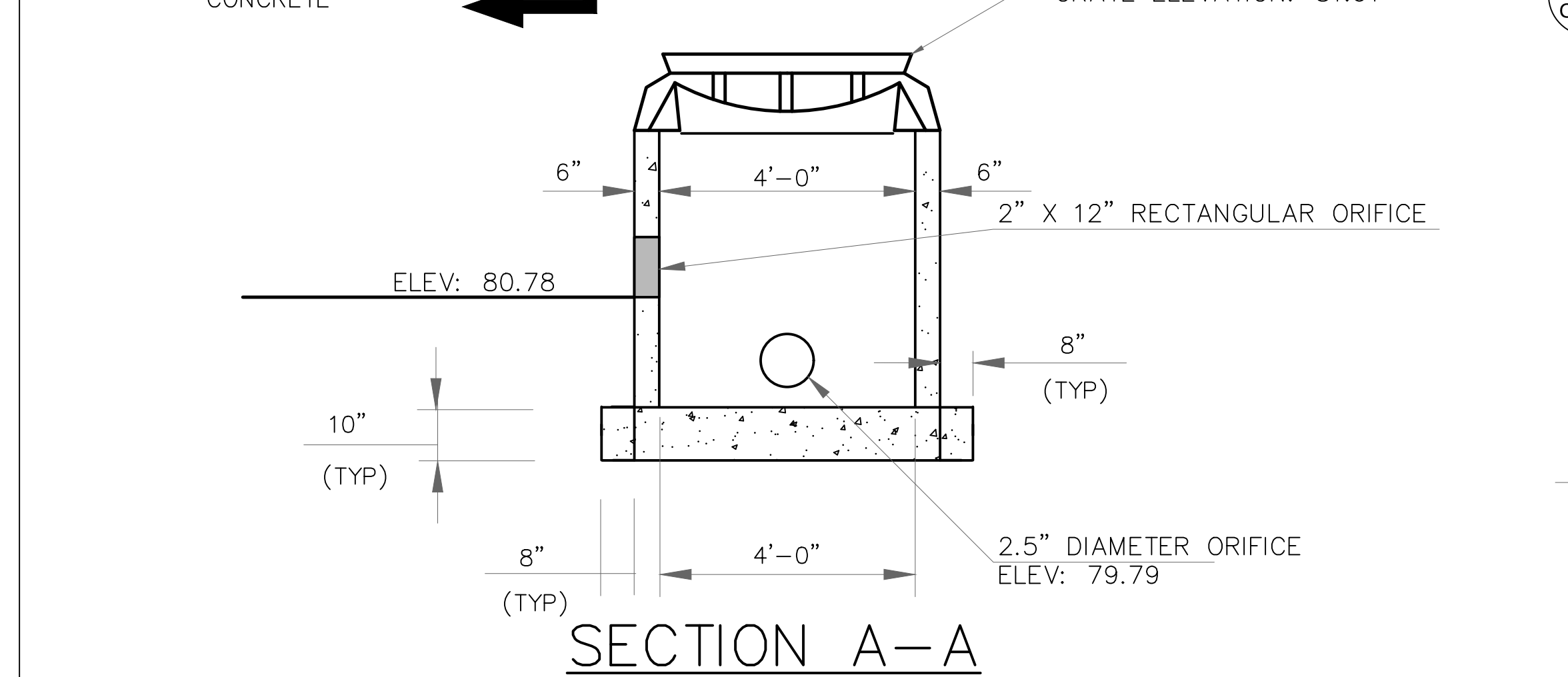
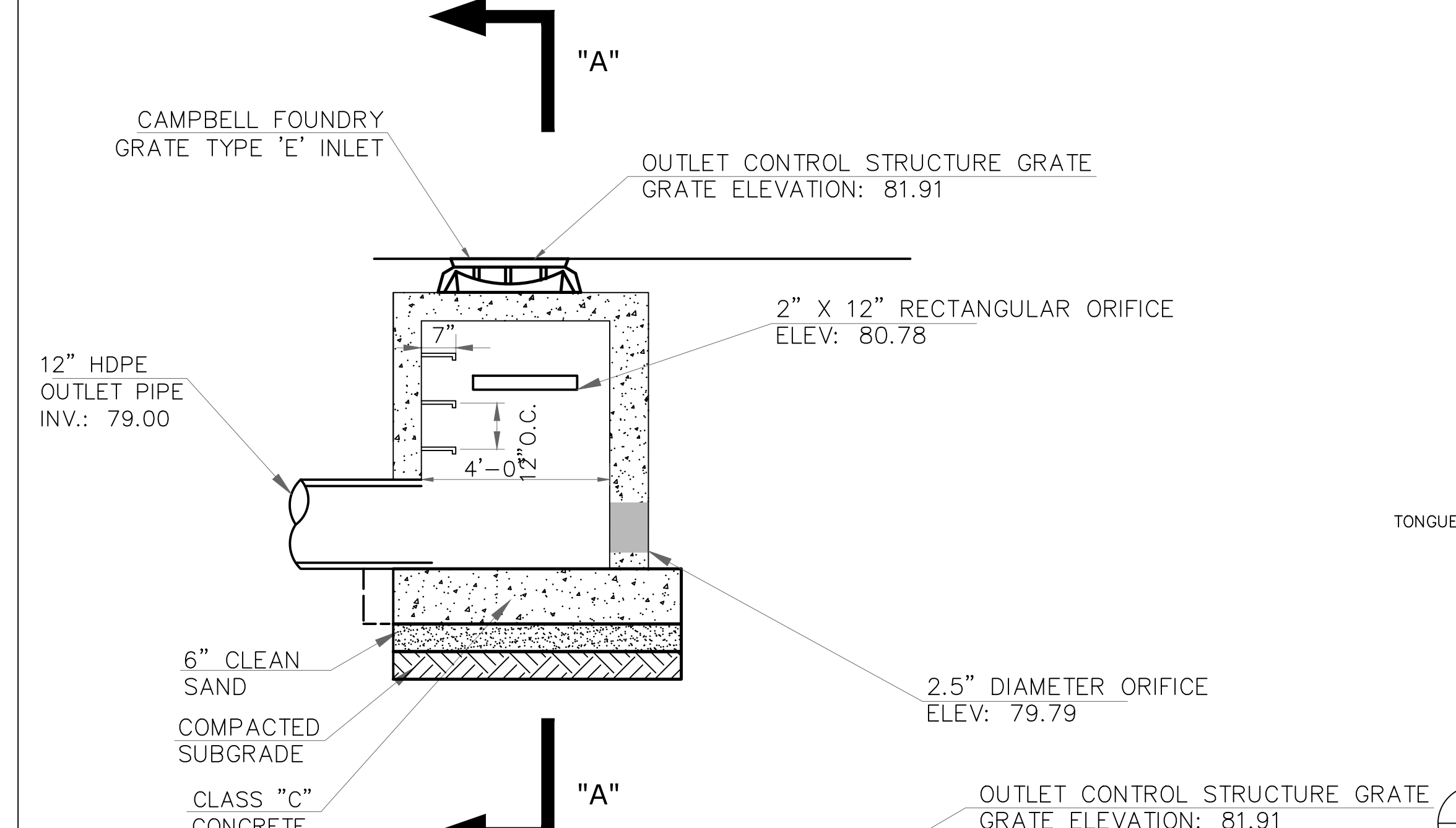
2 STORM DRAINAGE MANHOLE SCALE: N.T.S.



3 TYPE 'B' INLET SCALE: N.T.S.

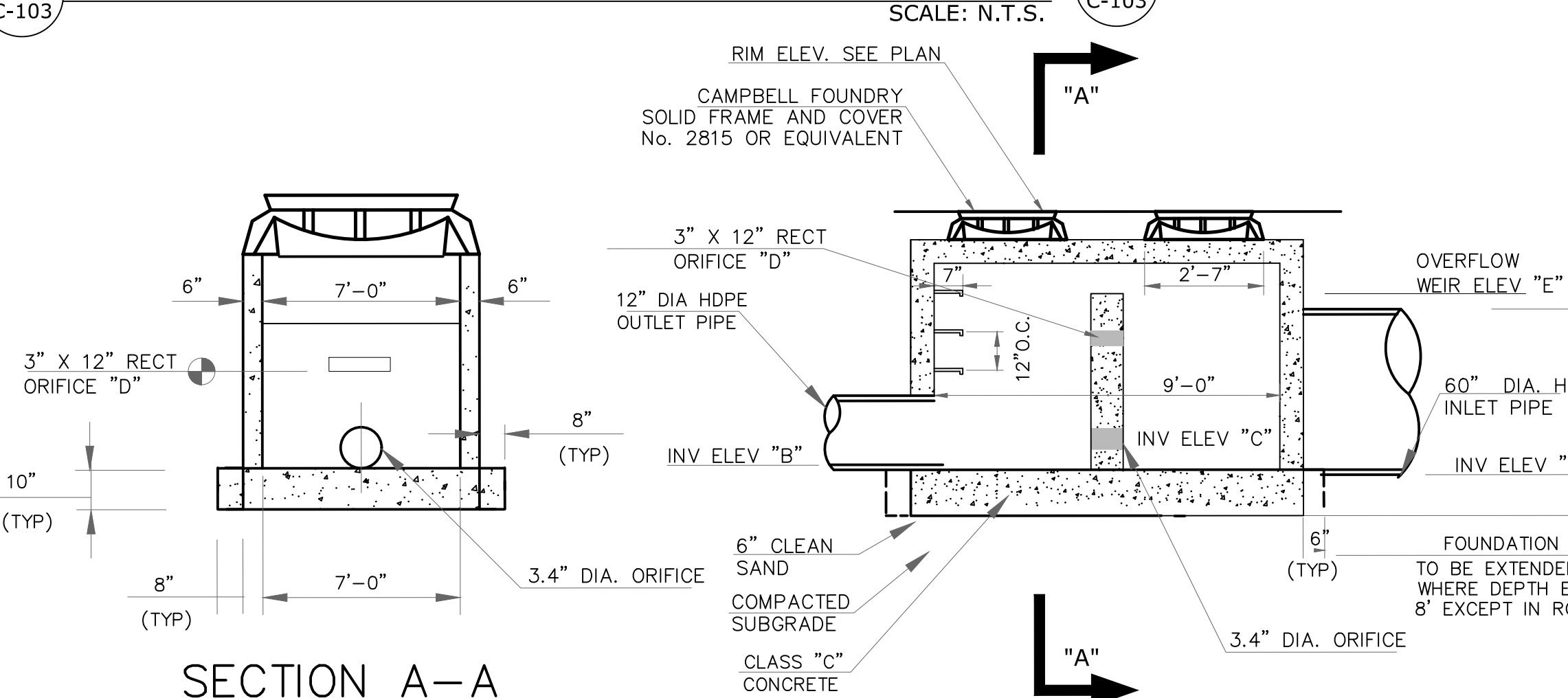
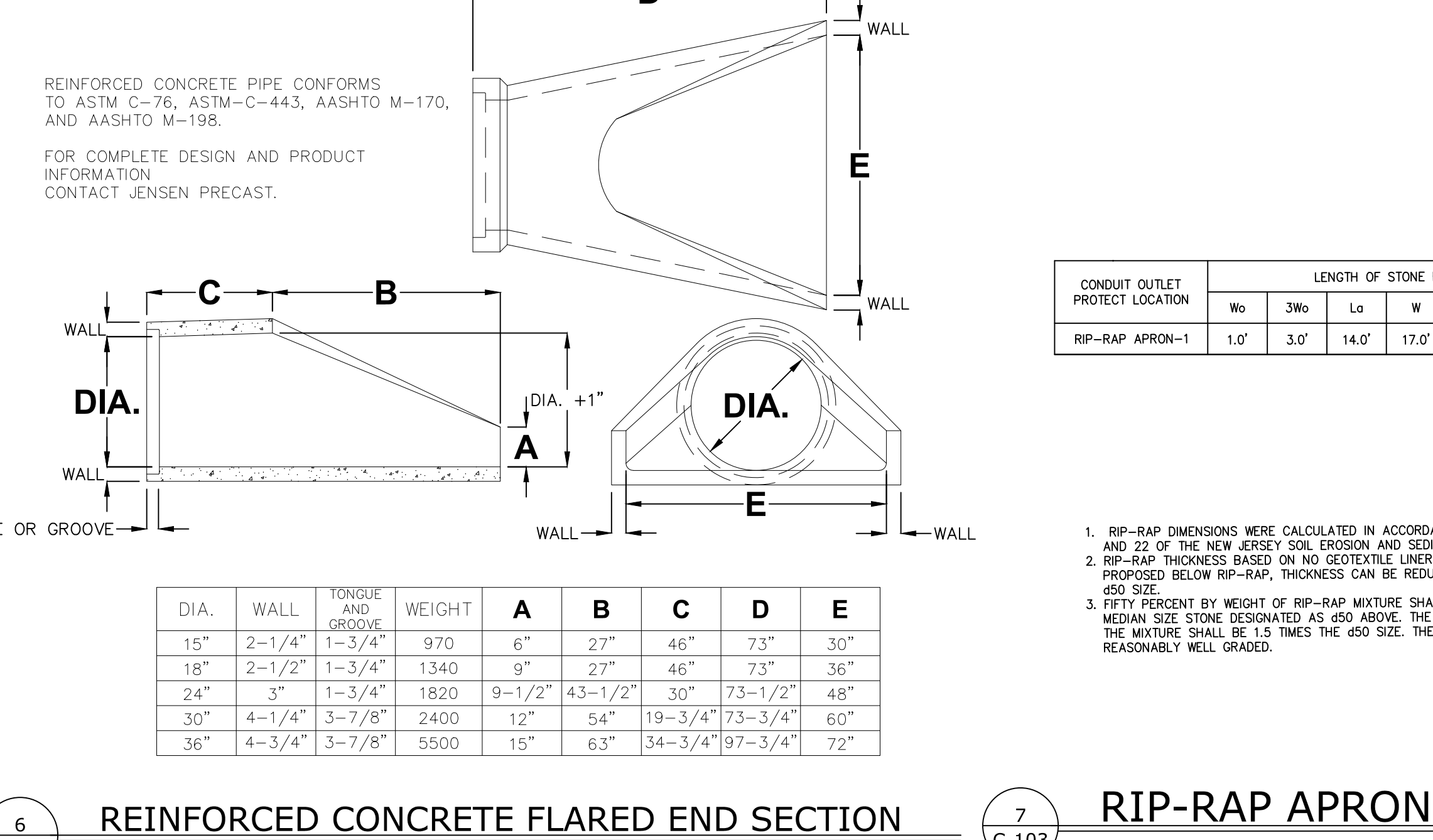


4 TYPE 'A' INLET SCALE: N.T.S.



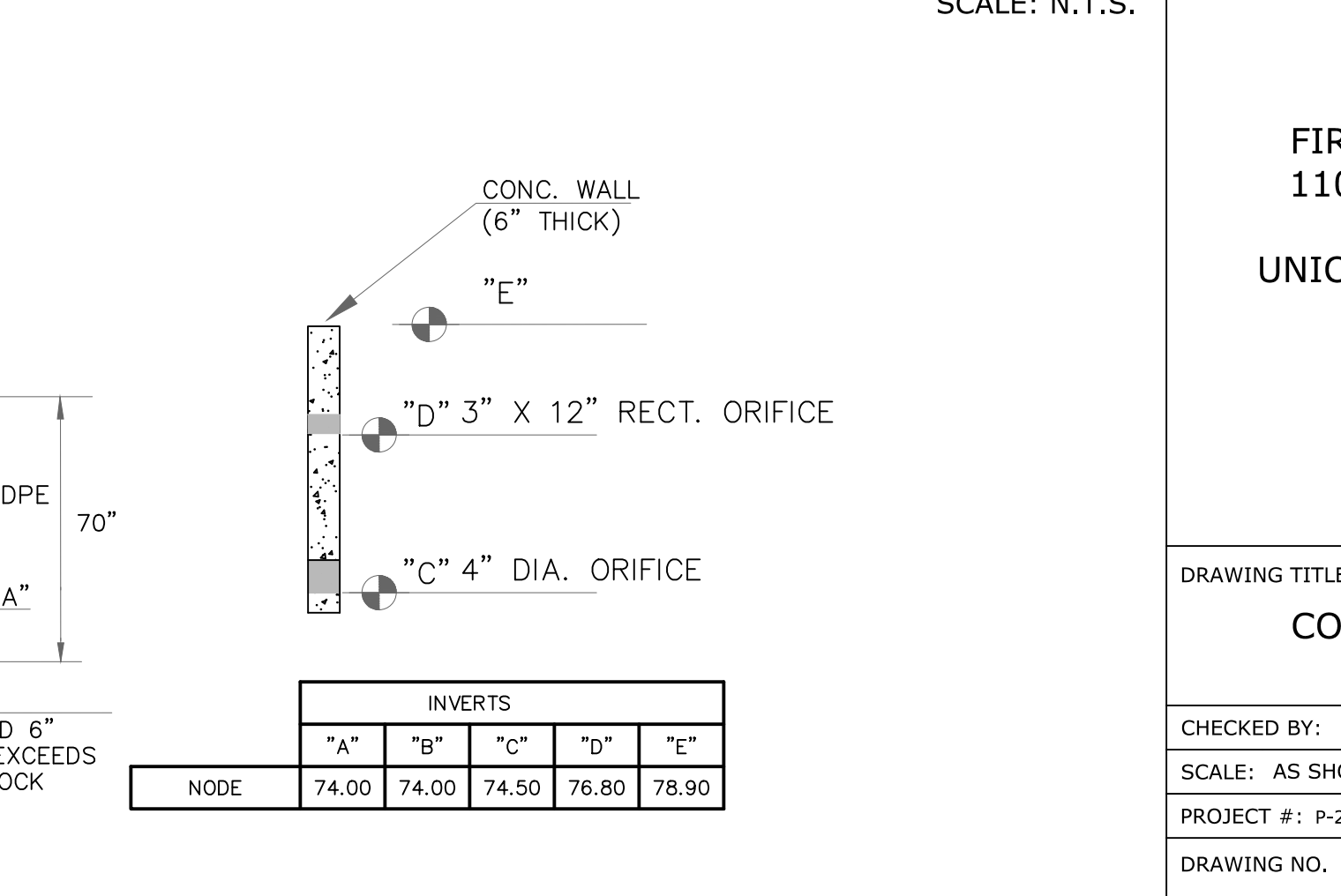
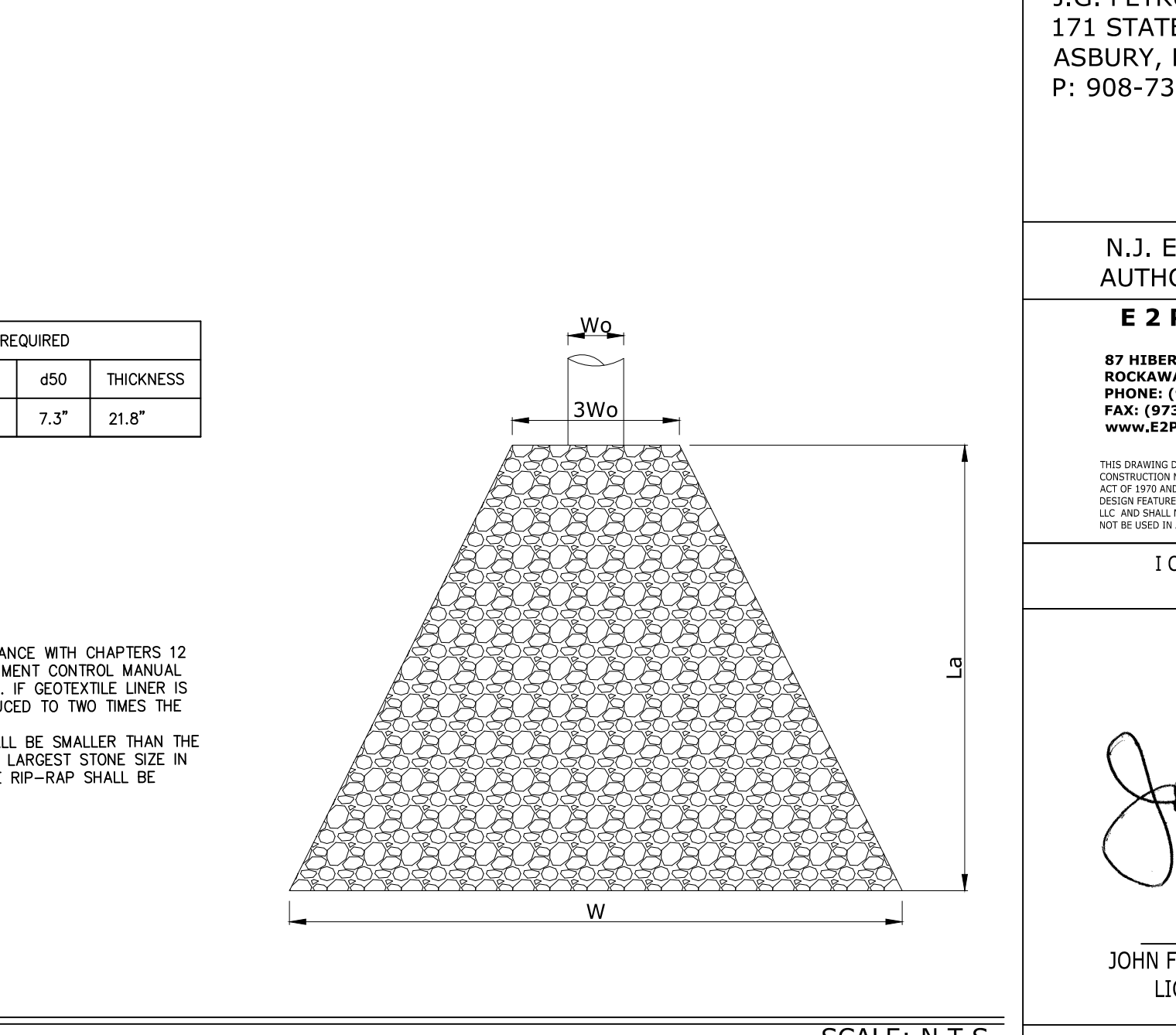
NOTE: TRASH RACKS MUST BE INSTALLED AT INTAKE ORIFICES TO THE OUTLET CONTROL STRUCTURE IN ACCORDANCE WITH NJ BMP MANUAL CHAPTER 11.2

5 OUTLET CONTROL STRUCTURE-1 SCALE: N.T.S.



NOTE: TRASH RACKS MUST BE INSTALLED AT INTAKE ORIFICES TO THE OUTLET CONTROL STRUCTURE IN ACCORDANCE WITH NJ BMP MANUAL CHAPTER 11.2

6 REINFORCED CONCRETE FLARED END SECTION SCALE: N.T.S.



NOTE: TRASH RACKS MUST BE INSTALLED AT INTAKE ORIFICES TO THE OUTLET CONTROL STRUCTURE IN ACCORDANCE WITH NJ BMP MANUAL CHAPTER 11.2

7 RIP-RAP APRON SCALE: N.T.S.

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4/27/22

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CHECKED BY: JF

DRAWN BY: ENS

SCALE: AS SHOWN

SHEET NO: XX OF

PROJECT #: P-21-39

FIRST ISSUE: 03/02/2022

DRAWING NO.

C-103.00

