FIRST CHILDREN SCHOOL PRELIMINARY AND FINAL SITE PLAN APPROVAL

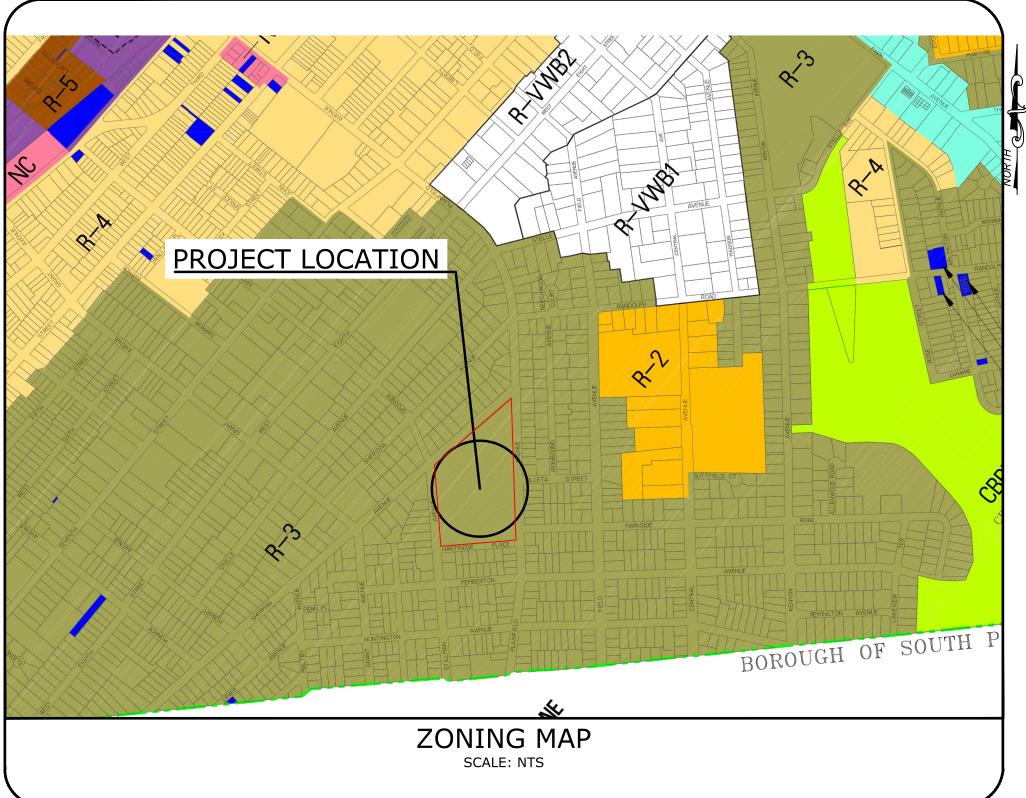
BLOCK: 509 - LOT: 1 1108 PLAINFIELD AVENUE CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY

INDEX OF DRAWINGS

DWG.	TITLE	PREPARED BY
SP-100.00	TITLE SHEET	E2PM
SP-101.00	GENERAL NOTES, MAPS & 200' PROPERTY OWNER'S LIST	E2PM
SP-102.00	EXISTING CONDITION AND DEMOLITION PLAN	E2PM
SP-103.00	SITE AND UTILITY PLAN	E2PM
SP-104.00	GRADING AND DRAINAGE PLAN	E2PM
SP-105.00	LANDSCAPING PLAN	E2PM
SP-106.00	LANDSCAPING NOTES AND DETAILS	E2PM
SP-107.00	LIGHTING PLAN	E2PM
SP-108.00	LIGHTING NOTES AND DETAILS	E2PM
SP-109.00	TRAFFIC CONTROL, TRUCK TURNING, AND BUS QUEUING PLAN	E2PM
SP-110.00	SOIL EROSION AND SEDIMENT CONTROL PLAN	E2PM
C-100.00	SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS	E2PM
C-101.00	CONSTRUCTION DETAILS	E2PM
C-102.00	CONSTRUCTION DETAILS	E2PM
C-103.00	CONSTRUCTION DETAILS	E2PM
C-104.00	CONSTRUCTION DETAILS	E2PM

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.



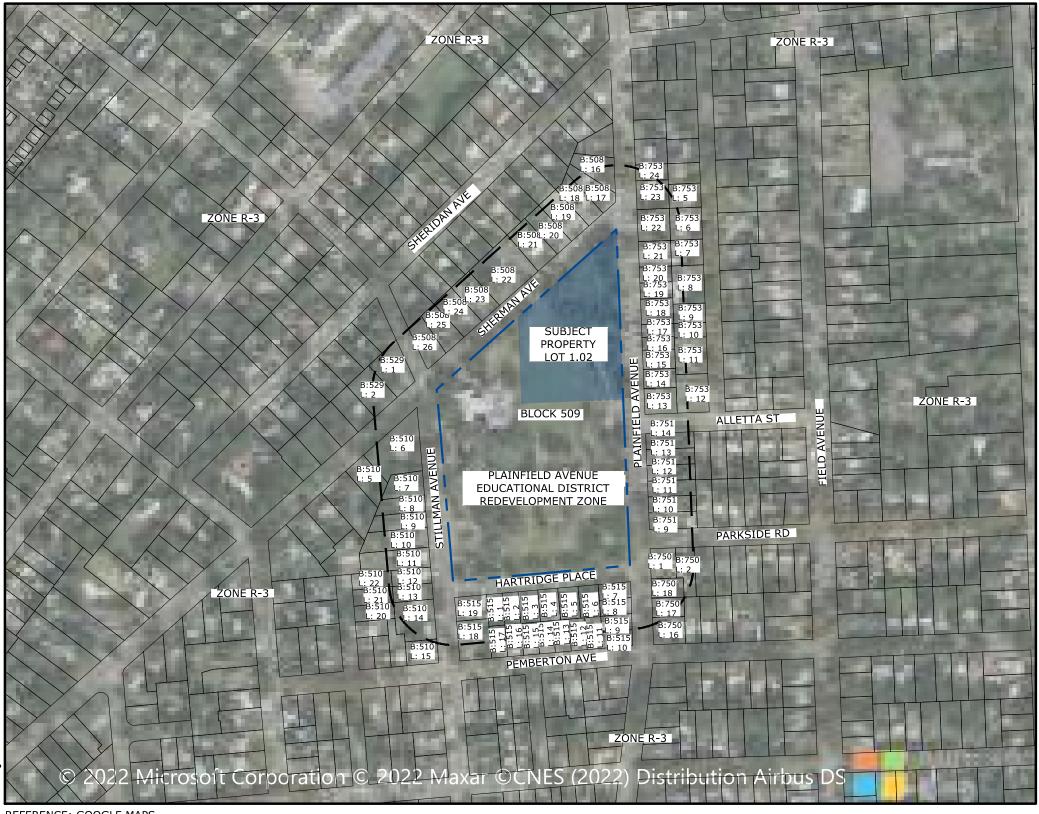
PROJECTED SANITARY FLOW

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

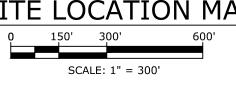
* NO NJDEP TWA PERMIT REQUIRED

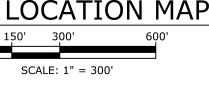
PROJECTED WATER DEMAND

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					

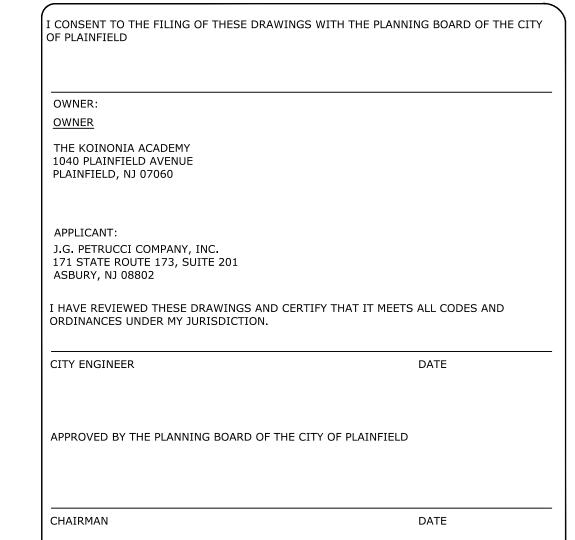








DATE



SECRETARY

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

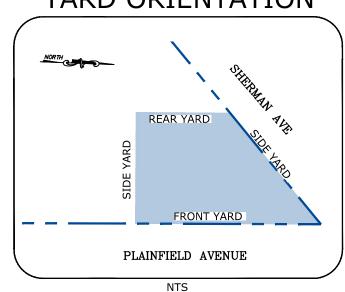
1. ZONING BULK TABLE IS BASED OFF OF THE NEWLY ADOPTED PLAINFIELD AVENUE EDUCATIONAL DISTRICT REDEVELOPMENT PLAN, DATED JANUARY 20, 2022.

NEW LOT 1 02

INL VV 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

VARIANCE REQUIRED



17:9-24B REOUIRED: 10 X 25

PROVIDED: 12 X 51.8

REQUIRED PERMITS

- SOIL EROSION & SEDIMENT CONTROL PERMIT
- PMUA SANITARY PERMIT

SUBJECT PROPERTY

- NJ AMERICAN WATER
- NJDEP 5G3

NO VARIANCES REQUESTED FOR THE PROPOSED DEVELOPMENT.

VARIANCES REQUESTED

PARKING CALCULATIONS (PER REDEVELOPMENT PLAN)

REQUIRED - 1 SPACE PER EMPLOYEE BUT NO LESS THAN 5 SPACES NO. OF EMPLOYEES = 90NO. 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

DESIGN WAIVERS

- 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 OCCURENCE 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

<u>OWNER</u>

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

SCHEDULE OF REVISIONS

REV. DATE DESCRIPTION OF CHANGES

A 03/01/2022 CITY OF PLAINFIELD TRC REVIEW B 04/04/22 ISSUED FOR SITE PLAN SUBMISSION

04/27/22 | REVISED PER COMPLETENESS REVIEW

N.J. ENGINEERING CERTIFICATE OF

AUTHORIZATION No. 24GA28118200 E 2 PROJECT MANAGEMENT LLC

ROCKAWAY, N.J. 07866 PHONE: (973) 299-5200 FAX: (973) 299-5059



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

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

CONSTRUCTION ACTIVITIES.

AND VEGETATION INTENDED TO REMAIN.

AVENUE, CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY, BLOCK 509 LOT 1" DATED JANUARY 19, 2022.
2. 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

- 3. 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.
- 5. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF FIELD CONDITIONS OR
- CONFLICTS THAT WOULD ADVERSELY IMPACT CONSTRUCTION AS PROPOSED ON THE PLANS.

 6. CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGE TO EXISTING IMPROVEMENTS
- 7. ALL EXISTING ONSITE IMPROVEMENTS SHALL BE REMOVED UNLESS NOTED OTHERWISE.
- 8. 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.
- 9. ANY STRUCTURES TO BE REMOVED SHALL HAVE EXCAVATIONS BACKFILLED WITH STRUCTURAL FILL AND PROPERLY COMPACTED, AS PER PROJECT SPECIFICATIONS.
- 10. PER FEMA MAP 34039C0039F, THE SUBJECT PROPERTY DOES NOT CONTAIN ANY LAND WITHIN A DELINEATED FLOOD HAZARD AREA.
- 11. 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.
- 12. THE MAXIMUM PERMITTED SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL FOR ALL SITE GRADING.
- 13. 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.
- 14. 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 OUESTIONS REGARDING CONFLICTS.
- 15. HANDICAPPED RAMPS AND CURB CUTS WILL BE PROVIDED AT ALL INTERSECTIONS AND PEDESTRIAN CROSSINGS, AS PER DETAILS.
- 16. ANY DAMAGE TO THE RIGHT-OF-WAY MUST BE REPAIRED/INSTALLED TO EQUAL STANDARDS.

UTILITY NOTES

- 1. THE SUBJECT PROPERTY HAD 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.
- 2. 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.
- 3. ALL NEW UTILITIES SHALL BE INSTALLED UNDERGROUND, EXCEPT WHERE OTHERWISE NOTED
- 4. EXISTING INLETS SHALL BE RELOCATED AND/OR RESET TO MATCH TO THE NEW CURB LINE WHERE SHOWN.
- 5. ALL PROPOSED ELECTRICAL TRANSFORMERS SHALL BE LOCATED INSIDE A BUILDING OR ON A CONCRETE SLAB AS PER PSE&G STANDARDS..
- 6. 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 RCP 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
- -ALL PIPES SHALL UTILIZE A CLASS C WALL THICKNESS.
 -ALL PIPE REACHES SHALL BE CONSTRUCTED USING THE SAME CLASS AND WALL
- 8. ALL CATCH BASINS SHALL BE NJDOT TYPE "A", "B" OR "E".

-PIPES WITH COVER GREATER THAN 3 FT. SHALL BE CLASS III.

- CONTRACTOR SHALL COORDINATE FIRE HYDRANT LOCATIONS WITH THE FIRE DEPARTMENT PRIOR TO INSTALLATION. A PLAN OF SAME SHALL BE SUBMITTED TO THE DESIGN ENGINEER.
- 10. SANITARY SEWER MANHOLE RIMS SHALL BE RESET TO PROPOSED NEW PAVEMENT GRADE AS REQUIRED.
- 11. EXISTING WATER VALVE AND GAS VALVE BOXES SHALL BE RESET TO PROPOSED NEW PAVEMENT GRADE AS REQUIRED.
- 12. 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.
- 13. 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.
- 14. 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.
- 15. ALL BUILDINGS WILL BE FIRE PROTECTED WITH FIRE ALARMS, FIRE DEPARTMENT TIE-INS, SPRINKLER SYSTEMS, STANDPIPES, AND SIAMESE 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.
- 16. 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 MAIN/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

1. 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).

2. 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

3. 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

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;

CONTRACTOR AND APPROVED BY THE ENGINEER.

- MANAGEMENT OF NON REGULATED WASTE SUCH AS CONSTRUCTION DEMOLITION DEBRIS;
 IDENTIFICATION OF TRANSPORTERS THAT WILL BE USED TO TRANSPORT EACH WASTE
- 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
- 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;

DURING THE PROJECT TO DOCUMENT LOCATION AND QUANTITIES OF CONTAMINATED

MATERIALS GENERATED, RE-USED AND RECYCLED/DISPOSED.

4. THE CONTRACTOR SHALL PROVIDE ALL PERSONNEL, MATERIALS AND EQUIPMENT NEEDED TO PROPERLY STORE EXCAVATED MATERIAL AT THE EXCAVATION AND IN TEMPORARY STOCKPILES. IF NEEDED, ANY TEMPORARY STOCKPILE(S) SHALL BE LOCATED AT AREA(S) SELECTED BY THE

QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES; AND METHOD TO BE EMPLOYED

5. 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.

6. REGULATED CONTAMINATED WASTE SHALL NOT BE STOCKPILED FOR MORE THAN 30 DAYS.

- 7. 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
- 8. 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:
- NAME(S) AND SIGNATURE(S) OF THE CONTRACTOR REPRESENTATIVE(S) RESPONSIBLE FOR PREPARING AND EXECUTING THE SOIL USAGE LOG:
- 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
 DISCREDANCIES: AND
- RECORDS OF SAMPLE RESULTS AND ANY SHIPPING MANIFESTS THAT APPLY.
 9. ALL NEW MATERIALS AND SOIL BROUGHT TO THE SITE MUST BE "CERTIFIED CLEAN"
- MATERIAL, IN ACCORDANCE WITH NJDEP REQUIREMENTS.

 10. THE CONTRACTOR'S WORK SHALL INCLUDE THE SAMPLING AND ANALYSES FOR DISPOSAL AND/OR RECYCLING FACILITY APPROVAL OF ALL REGULATED WASTE DESIGNATED BY THE
- AND/OR RECYCLING FACILITY APPROVAL OF ALL REGULATED WASTE DESIGNATED BY THE ENGINEER AS EXCESS, UNUSABLE 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.
- 11. 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

- 1. 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.
- 2. 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.
- 3. 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.
- 4. 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 SPILL INCIDENTS, REPORTING ACTIVITIES AND PERTINENT FIELD OBSERVATIONS SUCH AS SHEEN, ODOR, TURBIDITY, AND RUN-ON AND RUN-OFF.

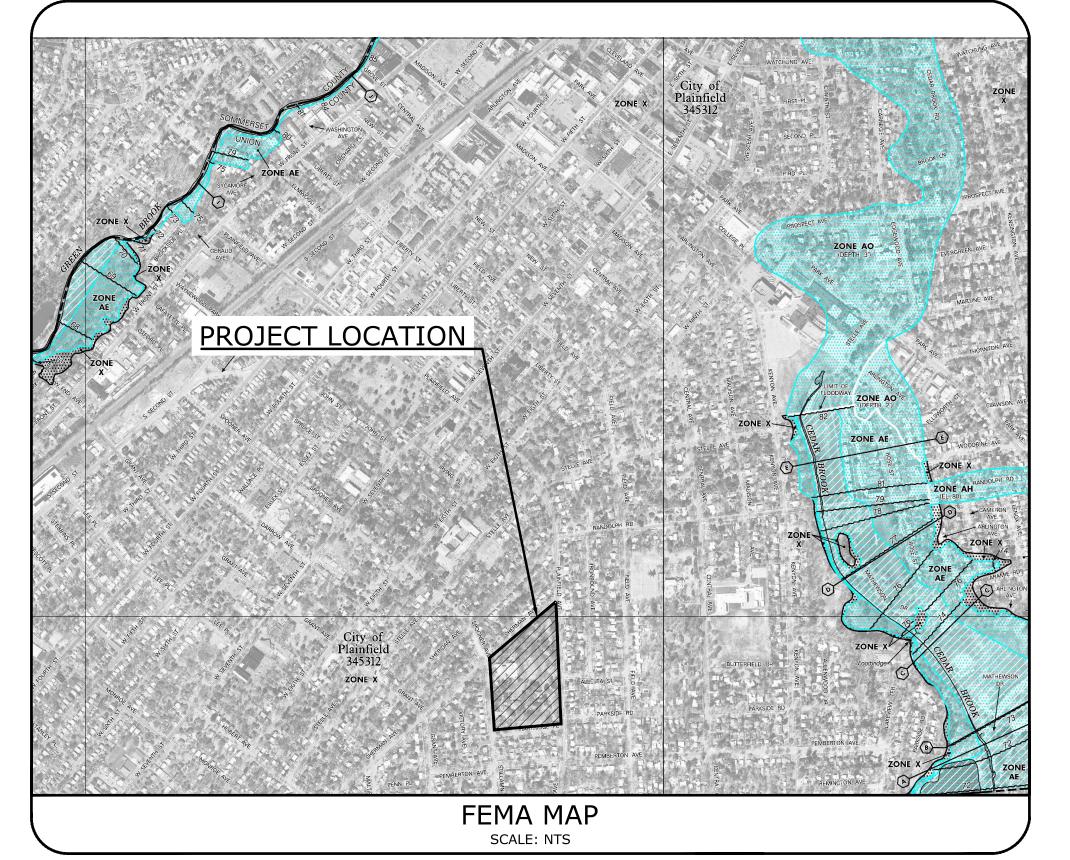
200' PROPERTY OWNER'S LIST

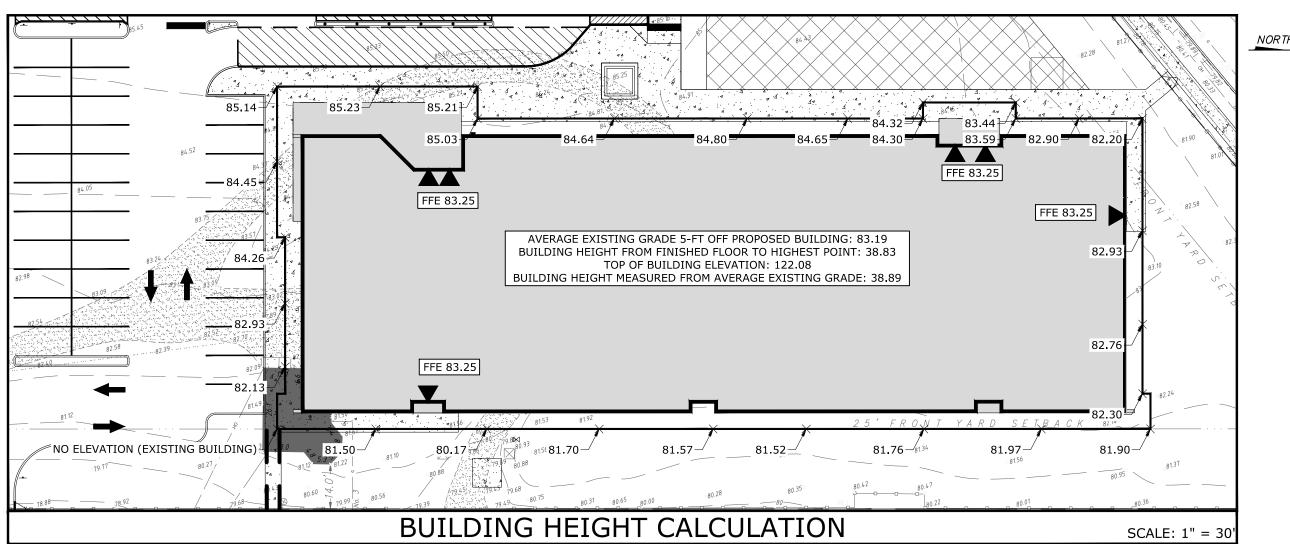
		OWNER & ADDRESS	REPORT	~7	0 W N F D . 0 A D D D F O . 0	25222			
PL	AINFIELD	BLOCK 509 LOT 1 1030-1108 PLAINFIELD AVE	02/18/22 Page 1 of 4	PLAINFIELD	OWNER & ADDRESS BLOCK 509 LOT 1 1030-1108 PLAINFIELD AVE	R E P O R T 02/18/22 Page 2 of 4		OWNER & ADDRESS REPORT	
BLOCK	LOT QI	QUAL CLA PROPERTY OWNER	PROPERTY LOCATION Add'I Lots		1030-1108 PLAINFIELD AVE		PLAINFIELD BLOO	K 509 LOT 1 1108 PLAINFIELD AVE	02/18/22 Page 3 of 4
508	16	2 BURGOS, ALICIA 1024 PLAINFIELD AVE PLAINFIELD, NJ 07060	1020-24 PLAINFIELD AVE	BLOCK LC 510 13	2 COLEMAN DARRYL & FARAH A	PROPERTY LOCATION Add'I Lots 1148-50 STILLMAN AVE	BLOCK LOT QUAL	CLA PROPERTY OWNER PROPERTY LOCATION	Add'l Lots
508	17	2 MOORER-TAYLOR, JANICE 600-04 SHERMAN AVE PLAINFIELD, NJ 07063	600-04 SHERMAN AVE	510 14	1148-50 STILLMAN AVE PLAINFIELD, NJ 07060 THOMAS, CHEVON C 1152-60 STILLMAN AVE PLAINFIELD, NJ 07060	1152-60 STILLMAN AVE	515 14	2 GREEN, DAVID L & VALERIE D 620-22 PEMBERTON AVE 620 PEMBERTON AVE PLAINFIELD, N J 07060	
508	18	2 NICHOL, LORHETTA 606 SHERMAN AVE PLAINFIELD, N J 07060	606-08 SHERMAN AVE	510 15	2 OFFERMAN, MARK P.O BOX 85	1162-66 STILLMAN AVE	515 15	2 FARFAN, LUZ & MANUEL 624-26 PEMBERTON AVE 624 PEMBERTON AVE PLAINFIELD, NJ 07060	
508	19	MCCASTER, RASHAD & AUTUMN 610-12 SHERMAN AVENUE PLAINFIELD, NJ 07060	610-14 SHERMAN AVE	510 20	SUMMIT, NJ 07902 2 KING, CHRISTOPHER & PRICE, ANNETT 1133-35-VICTORY AVE PLAINFIELD, NJ 07060	E 1133-35 VICTORY AVE	515 16	2 GALVAN, JONNY A &COLMENERO, CRISELDA 628-30 PEMBERTON AVE 628 PEMBERTON AVENUE PLAINFIELD, NJ 07060	
508	20	2 ACQUOI, JEFFERSON K 616 SHÉRMAN AVE PLAINFIELD, NJ 07060	616-18 SHERMAN AVE	510 21	2 HUSH, EVELYN 1129 VICTORY AVE	1129-31 VICTORY AVE		2 SAUREZ,CARLOS E & CASTILLO,ANA R 632-34 PEMBERTON AVE 632-634 PEMBERTON AVE PLAINFIELD, NJ 07060	
508	21	REEVES, DYNA 626 SHÉRMAN AVE PLAINFIELD, N J 07060	620-26 SHERMAN AVE	510 22	PLAINFIELD, N J 07060 2 HUPDLE CORLISS 1125 VICTORY AVE PLAINFIELD, NJ 07060	1125-27 VICTORY AVE	515 18	2 GREENE, LASHAUN T & MORRIS, LANELL 1159-67 STILLMAN AVE 1159 STILLMAN AVENUE PLAINFIELD, NJ 07060	
508	22	SORTO, JOSE 630 SHERMAN AVE PLAINFIELD, NJ 07060	628-38 SHERMAN AVE	515	PLAINFIELD, NJ 07060 2 LEWIS CYNTHIA A 635 HARTRIDGE PLACE PLAINFIELD, N J 07060	633-35 HARTRIDGE PL		2 ELLIS, FRED D & RESNA M 1153-57 STILLMAN AVE 1155 STILLMAN AVE PLAINFIELD, NJ 07060	
508	23	ROGERS, PHILLIP & JENNIFER 640 SHERMAN AVE PLAINFIELD, NJ 07060	640-44 SHERMAN AVE	515 2	2 ADEDOYIN, ANTHONY 61 RAUER COURT SO PLAINFIELD, N J 07080	629-31 HARTRIDGE PL	529	2 SHELTON, BEVERLY 666-70 SHERMAN AVE 670 SHERMAN AVE PLAINFIELD, N J 07060	
508	24	2 BABAIAN, JEFFREY 646-50 SHERMAN AVE PLAINFIELD, NJ 07060	646-50 SHERMAN AVE	515 3	2 ELLIOT, THOMAS L & ESTHER M 287 CHELSEA BLVD PLAINFIELD, NJ 07062	623-27 HARTRIDGE PL	Tree.	2 ZHUPANI, LULZIM & OTCHERE, JANET 700-10 SHERMAN AVE 700-10 SHERMAN AVE PLAINFIELD, NJ 07060	
508	25	2 MERCADO, JOSE E CANAS 652-56 SHERMAN AVE PLAINFIELD, NJ 07063	652-56 SHERMAN AVE	515 4	2 MC GEE, DELIA 619 HARTRIDGE PL PLAINFIELD, NJ 07061	619-21 HARTRIDGE PL	8:	2 ARMSTRONG, JOSEPH JR 537-PARKSIDE ROAD 537-PARKSIDE ROAD PLAINFIELD, NJ 07060	
508	26	2 GANGEWERE, ROBERT JR ∰ BIANCULLI, 1 656 SHERMAN AVE PLAINFIELD, NJ 07060		515 5	2 RAMIREZ, JESUS A & AGUILAR,E 615-17 HARTRIDGE PL PLAINFIELD, NJ 07060	615-17 HARTRIDGE PL	750 2	2 ZAMUDIO, EMILIANO A & CORONA, C F 529-33 PARKSIDE ROAD 529 PARKSIDE ROAD PLAINFIELD, NJ 07060	
510	5	PLAINFIELD, NJ 07060	719-23 SHERMAN AVE	515 6	2 LEWIS, VINCENT A SR 609 HARTRIDGE PL PLAINFIELD, NJ 07060	609-13 HARTRIDGE PL		MAYO, JANE A-MAYO, WARREN V S28-30 PEMBERTON AVE S30 PEMBERTON AVE PLAINFIELD, NJ 07060	
510	6	2 DAVIS, BARBARA 701 SHERMAN AVE PLAINFIELD, N J 07060	701-17 SHERMAN AVE	515 7	2 LAWSON, HOWARD L & CAROLYN 1114 PLAINFIELD AVE PLAINFIELD, N J 07060	1114-16 PLAINFIELD AVE		1119 PLÁINFÍELD AVE PLÁINFÍELD, NJ 07060	
510	,	2 CLORE, JOSEPH A & SHIRLEY A 1122 STILLMAN AVE PLAINFIELD, N J 07060	1120-24 STILLMAN AVE	515 8	2 SIMMONS, REGINA 1120 PLAINFIELD AVE PLAINFIELD, N J 07061	1118-20 PLAINFIELD AVE		1111 PLAINFIELD AVE PLAINFIELD, NJ 07060	
510	8	2 SHAH, ASHOK 11 MEADOW DR WARREN, NJ 07059	1126-28 STILLMAN AVE	515 9	2 VALDES, NANCY 1122 PLAINFIELD AVE PLAINFIELD, NJ 07060	1122-24 PLAINFIELD AVE		2 ALDAZ, DANIEL G A & PEREZ, LIGIA ES 1107-09 PLAINFIELD AVE 1107 PLAINFIELD AVE PLAINFIELD, NJ 07060 2 DAVIS, JOSEPH 1024-26 IRONBOUND AVE	
510	40	2 PARKER, CHARISSE L 1130 STILLMAN AVE PLAINFIELD, N J 07060	1130-32 STILLMAN AVE	515 10	2 WILLIAMS, BARRY 24 SOUTH AVENUE FANWOOD, N J 07023	1126-28 PLAINFIELD AVE		1024 IRONBOUND AVE PLAINFIELD, NJ 07060	
510	10	2 CALDERON, DAVID 1136 STILLMAN AVE PLAINFIELD, N J 07060	1134-38 STILLMAN AVE	515 11	2 KENNEDY, CAROLINE 608 PEMBERTON AVE PLAINFIELD, N J 07060	608-10 PEMBERTON AVE		1030 IRONBOUND AVE PLAINFIELD, NJ 07060	
510	11	2 NOLASCO PETRONA G & MONROY, MICHAE 1142 STILLMAN AVE PLAINFIELD, NJ 07060		515 12	2 PRASAD, VIJAIYANAND & CHITRA 612 PEMBERTON AVE PLAINFIELD, N J 07060	612-14 PEMBERTON AVE		1034-36 IRONBOUND AVE PLAINFIELD, N J 07060	
510	12	2 TUCKER KADIJAH 1144 STILLMAN AVE PLAINFIELD, NJ 07060	1144-46 STILLMAN AVE	515 13	2 MC CLOUD, DONALD & LEONA F 616-18 PEMBERTON AVE PLAINFIELD, NJ 07060	616-18 PEMBERTON AVE		1040 IRONBOUND AVE PLAINFIELD, NJ 07060	
2							158 y	2 HENDERSON, JERRY 1046 IRONBOUND AVE 1046 IRONBOUND AVE PLAINFIELD, NJ 07060	

PLAINS	FIELD	BLOCK 50 1030-110	9 LOT 1 98 PLAINFIELD AVE			02/18/22 Page 4 of 4	
BLOCK 753	LOT 10	QUAL CL/			PROPERTY LOCATION 1048-50 IRONBOUND AVE	Add'l Lots	,
753	11	2	PLAINFIELD, NJ KING, TERRENCE & ROBINS 1052-56 IRONBOUND AVE PLAINFIELD, NJ	07060	1052-56 IRONBOUND AVE		9
753	12	2	MCDOWELL,ALBERT IV 1058: IRONBOUND AVE PLAINFIELD, NJ	07060	1058-62 IRONBOUND AVE		
753	13	2	MURRAY, JUSTIN L & SHAN 1059-61 PLAINFIELD AVE PLAINFIELD, NJ	07060	1059-61 PLAINFIELD AVE		NORTH
753	14	2	SPATES, PATRICIA D 1057 PLAINFIELD AVENUE PLAINFIELD, N J	07060	1055-57 PLAINFIELD AVE		<
753	15	2	GREENWOOD, SYLVESTER, J 1053 PLAINFIELD AVE PLAINFIELD, N J	JR & SHEILA 07060	1053 PLAINFIELD AVE		
753	16	2	FISHER, TOMARA A 1051 PLAINFIELD AVE PLAINFIELD, NJ	07060	1051 PLAINFIELD AVE		
753	17	2	STEWART, JEFFERY & CONN 1049 PLAINFIELD AVE PLAINFIELD, N J	07060	1049 PLAINFIELD AVE		
753	18	2	COLEMAN, HARRY - ESANNA 1047 PLAINFIELD AVE PLAINFIELD, N J	SON, SHEILA 07060	1045-47 PLAINFIELD AVE	-	
753	19	2	1043 PLAINFIELD AVE INT 1043 PLAINFIELD AVE PLAINFIELD, NJ	ERVIVOS REVO 07060	1043 PLAINFIELD AVE		
753	20	2	OLUMBE, KHADIJAH 1039-41 PLAINFIELD AVE PLAINFIELD, NJ	07060	1039-41 PLAINFIELD AVE		
753	21	2	RODRIGUEZ-TISTA, JUAN A 1035 PLAINFIELD AVE PLAINFIELD, NJ	07060	1035-37 PLAINFIELD AVE		
753	22	2	SEYMOUR, PATRICIA 1031 PLAINFIELD AVE PLAINFIELD, N J	07060	1031-33 PLAINFIELD AVE		
753	23	2	MACALUSO, THOMAS &MAURE	EN	1027-29 PLAINFIELD AVE		

1023-25 PLAINFIELD AVE

OWNER & ADDRESS REPORT





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

<u>APPLICANT</u>

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

SCHEDULE OF REVISIONS

REV. DATE DESCRIPTION OF CHANGES

A 03/01/2022 CITY OF PLAINFIELD TRC REVIEW

B 04/04/22 ISSUED FOR SITE PLAN SUBMISSION

04/27/22 REVISED PER COMPLETENESS REVIEW

E 2 PROJECT MANAGEMENT LLC

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

299-5059
1.com
ES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. AL
ST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH

I CERTIFY THAT THESE PLANS HAVE BEEN

PREPARED UNDER MY SUPERVISION

Johnsternant 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

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: 03/02/202

DRAWING NO.

SP-101.00



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.

. 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)

OWNER

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

SCHEDULE OF REVISIONS

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

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

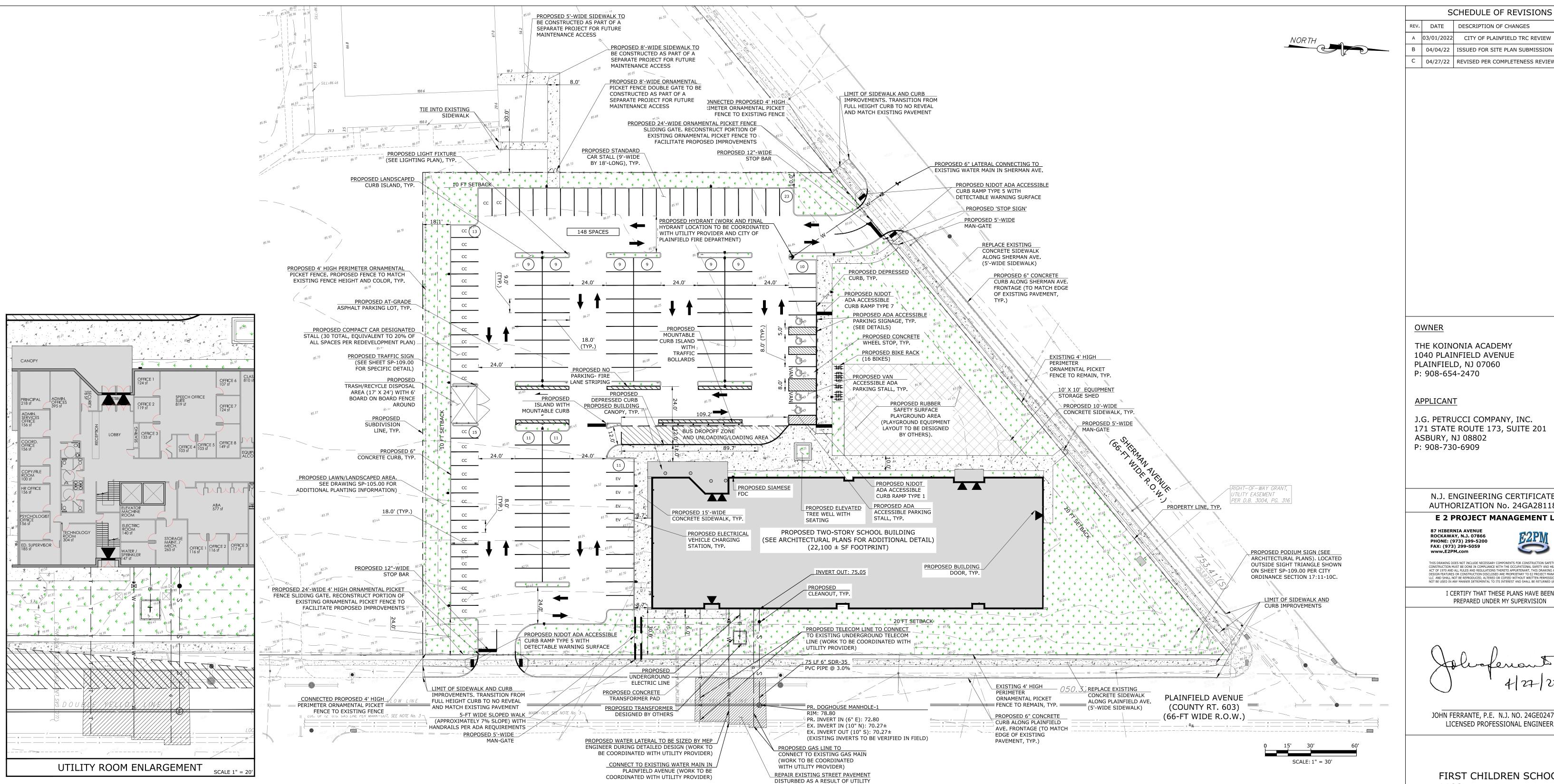
> BLOCK 509 LOT 1

DRAWING TITLE **EXISTING CONDITIONS AND** DEMOLITION PLAN

CHECKED BY: JF	DRAWN BY: ENS
SCALE: 1" = 30'	SHEET NO: OF
PROJECT #: P-21-39	FIRST ISSUE: 03/02/202

DRAWING NO.

SP-102.00



CONSTRUCTION

OWNER

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

SCHEDULE OF REVISIONS

04/04/22 ISSUED FOR SITE PLAN SUBMISSION

04/27/22 | REVISED PER COMPLETENESS REVIEW

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

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

SITE AND UTILITY 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-103.00

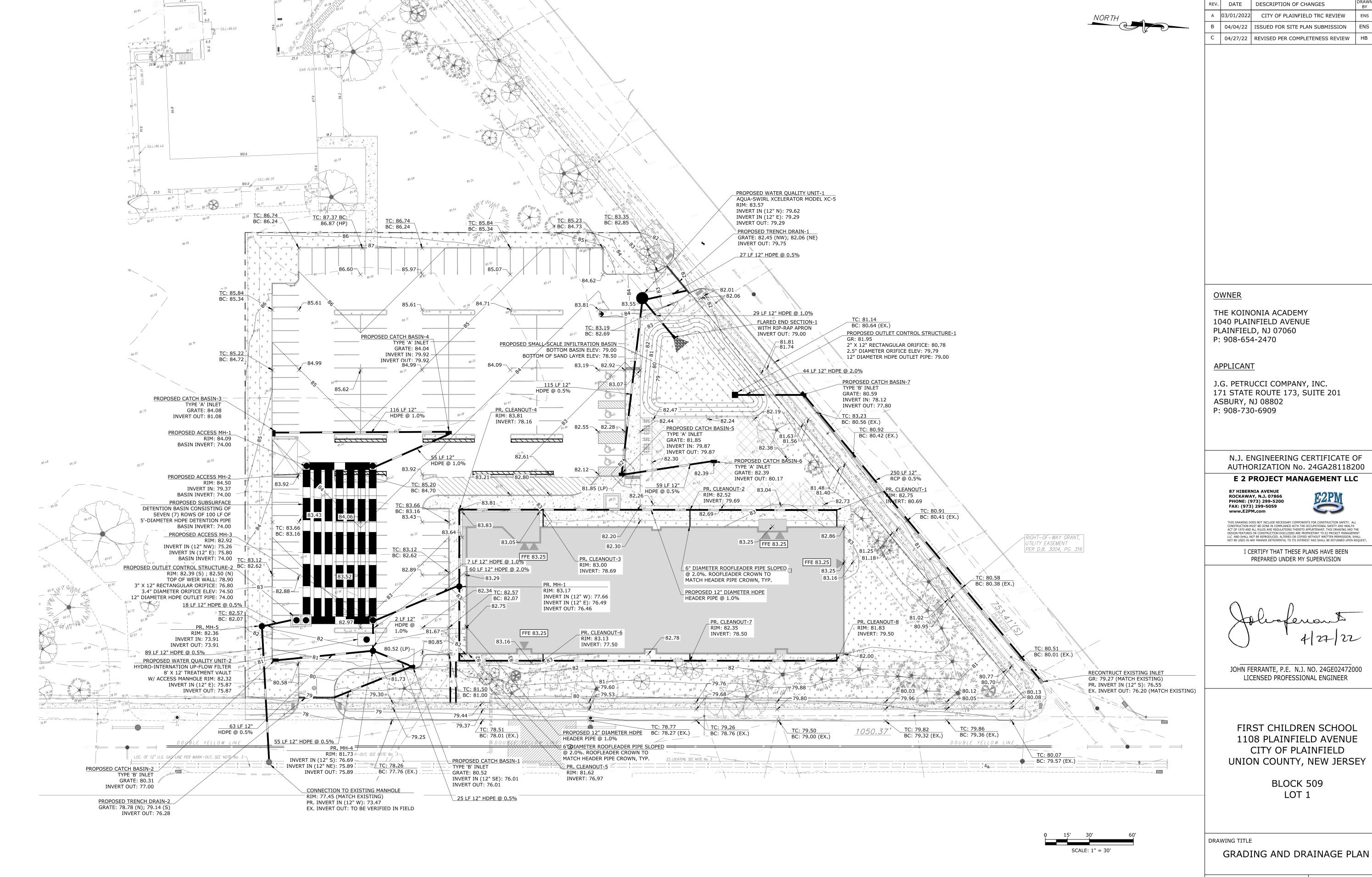
LEGEND

CC - COMPACT CAR STALLS 8 FT X 18 FT EV - ELECTRIC VEHICLE CHARGING STATION

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, 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.



CONTRACTOR SHALL RESET ALL EXISTING CATCH BASINS ALONG PLAINFIELD

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, BLCOK 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.

AVENUE AND SHERMAN AVENUE TO ACCOMMODATE NEW FULL-HEIGHT CURB

1040 PLAINFIELD AVENUE

171 STATE ROUTE 173, SUITE 201

AUTHORIZATION No. 24GA28118200

SCHEDULE OF REVISIONS



I CERTIFY THAT THESE PLANS HAVE BEEN

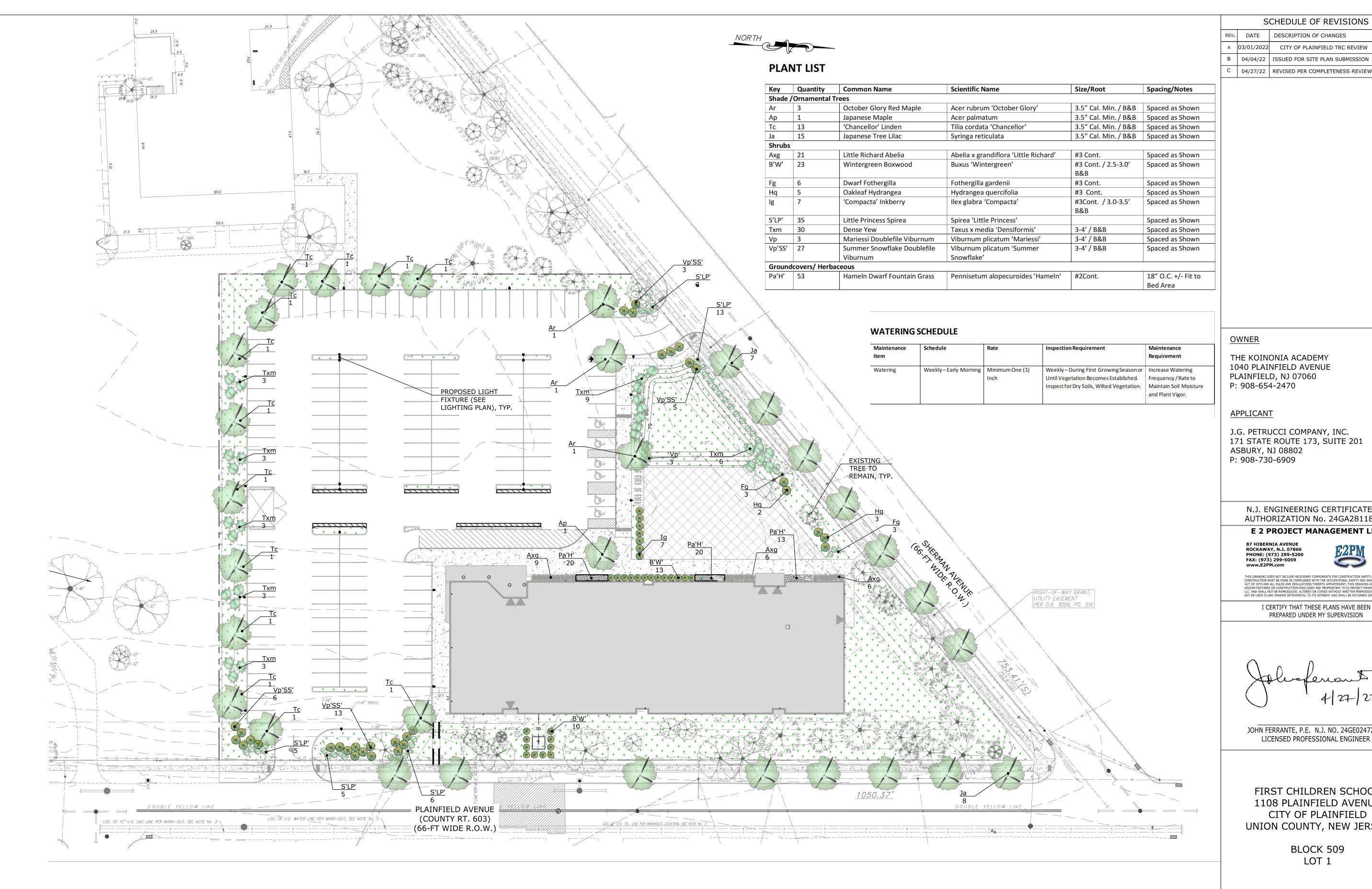
JOHN FERRANTE, P.E. N.J. NO. 24GE02472000 LICENSED PROFESSIONAL ENGINEER

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

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:

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.

REFER TO DRAWING SP-102.00 - EXISTING CONDITIONS AND DEMOLITION PLAN FOR EXISTING TREES TO BE REMOVED/TREES TO REMAIN

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

SCHEDULE OF REVISIONS

C | 04/27/22 | REVISED PER COMPLETENESS REVIEW | HB | JI

E 2 PROJECT MANAGEMENT LLC **87 HIBERNIA AVENUE**

ROCKAWAY, N.J. 07866 PHONE: (973) 299-5200 FAX: (973) 299-5059

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

LANDSCAPING 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-105.00

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
- 3. 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.
- 4. EXCAVATION NEAR EXISTING UTILITIES TO BE CAREFULLY PERFORMED BY HAND.

OTHER FORMS OF INFECTION. ALL PLANTS SHALL BE NURSERY GROWN. UTILITIES

- 5. ALL PLANT MATERIAL SHALL BEAR THE SAME RELATION TO FINISHED GRADE AS IT GRADE AT THE NURSERY BORE TO EXISTING
- 6. IN THE EVENT THAT PLANTING DISCREPANCIES OR MATERIAL OMISSIONS OCCUR IN THE PLANT MATERIALS LIST, THE LANDSCAPING PLAN SHALL GOVERN.
- 7. 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
- 8. 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.

CONTRACTOR SHALL REPLACE THEM AT HIS EXPENSE.

- 10. UNDER NO CIRCUMSTANCES SHOULD THE MAIN LEADER OF AN EVERGREEN TREE BE TOPPED
- 11. 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.
- 12. 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.
- 13. 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.
- 14. 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
- 15. PLANTS PLANTED IN ROWS SHALL BE MATCHED SPECIMENS AND BE UNIFORM IN SIZE AND FORM.
- 16. 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.
- 17. 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
- 18. 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.
- 19. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY PERCOLATION PROBLEMS PRIOR TO INSTALLATION.
- 20. 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.
- 21. THE CONTRACTOR SHALL REMOVE ALL DAMAGED BRANCHES AND NURSERY TAGS AT THE TIME OF INSTALLATION.
- 22. 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.

 3. 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.
- 4. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.

SEEDBED PREPARATION

- 1. 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://NJAES.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 REPARATION. 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
- 1.1. 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.
- 1.2. 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.
 1.3. COOL-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT TEMPERATURES BELOW 850 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 RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL.
 AFTER SEEDING, FIRMING 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.

 4. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP 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.) 5-6	MAX. HEIGHT (FT) 8	MIN. BALL DIA. (IN.) 12	MIN. BALL DEPTH (IN.)
3/4	6-8	10	14	10 /
1	8-10	11	16	12
1/4	8-10	12	18	13 1/2
1/2	10-12	14	20	13/2
1 3/4	10-12	14	22	14 1/2
2	12-14	16	24	16
2 ½	12-14	16	28	18/2
3	14-16	18	32	19/2
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.

1. SEE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1, FOR COMPLETE LIST OF NURSERY STANDARDS FOR OTHER TYPES

2. SEE INTERNATIONAL SOCIETY OF ARCHITECTURE'S "PRINCIPLES AND PRACTICES OF PLANTING TREES AND SHRUBS." 1997

SOIL IMPROVEMENT

AND SIZES OF TREES AND SHRUBS.

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, RAPIDLY MAKING IT USELESS FOR PLANTING. PREVIOUS HUMAN ACTIVITY AT A SITE CAN ALSO AFFECT THE ABILITY OF THE SOIL TO

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 DETERIMINES 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:

1. IF SITE OR DESIGN CONSTRAINTS PROHIBIT USE OF THE DIMENSIONS SHOWN IN THE PLANTING DETAILS, FOLLOW THE GUIDELINES FOR PLANTING IN URBAN AREAS.

DOWNSTEE THE SOIL IMPROVEMENT AREA SHOULD BE

3. ALWAYS TEST SOIL FOR PH AND NUTRIENT LEVELS AND ADJUST THESE AS REQUIRED.

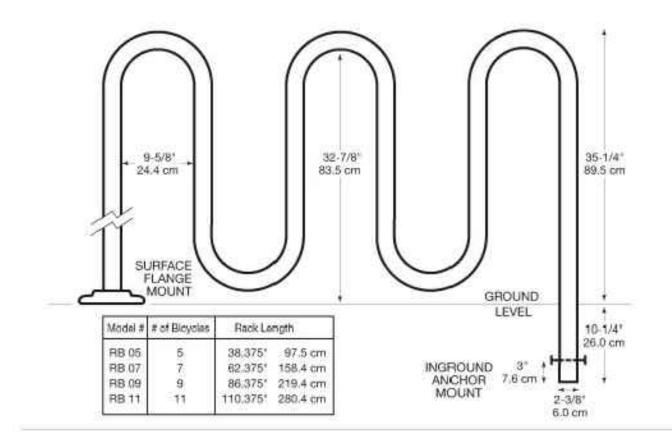
4. LOOSEN SOIL WITH A BACKHOE OR OTHER LARGE COARSE-TILING EQUIPMENT WHEN POSSIBLE. TILING THAT PRODUCES LARGE, COARSE CHUNKS OF SOIL IS PREFERABLE TO TILING THAT RESULTS IN FINE GRAINS UNIFORM IN TEXTURE.

5. 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

PERMAN	IENT \	√EGETAT	IVE M	IIXTUI	RES, F	PLANT	ING R	ATES	AND I	PLANT	ING D	ATE	S
	PLANTING RATES			TIMAL P	NANCE EL	REMARKS							
SEED MIXTURE			ZONE 5B, 6A			ZONE 6B			ZONE 7A, 7B				KLMAKKS
	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	MAINTENAN LEVEL	
					WARM	SEASO	ITXIM I	JRE #4					
WITCHGRASS	10	.25											
IG BLUESTEM	5	10											1

					WARM	SEASO	N MIXTU	JRE #4					
SWITCHGRASS	10	.25											
BIG BLUESTEM	5	.10											
LITTLE BLUESTEM	5	.10	0			0			0			C-D	NATIVE WARM SEASON MIXTURE
SAND LOVEGRASS	4	.10											SEASON FIRTORE
COSTAL PANICGRASS	10	.20											
					COOL S	EASON	MIXTU	RE #7					
STRONG CREEPING RED FESCUE	130	3											SUITABLE WATERWAY
KENTUCKY BLUEGRASS	50	1											CANADA BLUEGRASS
PERENNIAL RYEGRASS OR	20	.60] A	Α	0	Α	Α	0	Α	Α	0	B-D	MORE DROUGHT TOLERANT
DEDTOR	10	2.5	1		I			I	l			I	LISE DEDTOD FOR

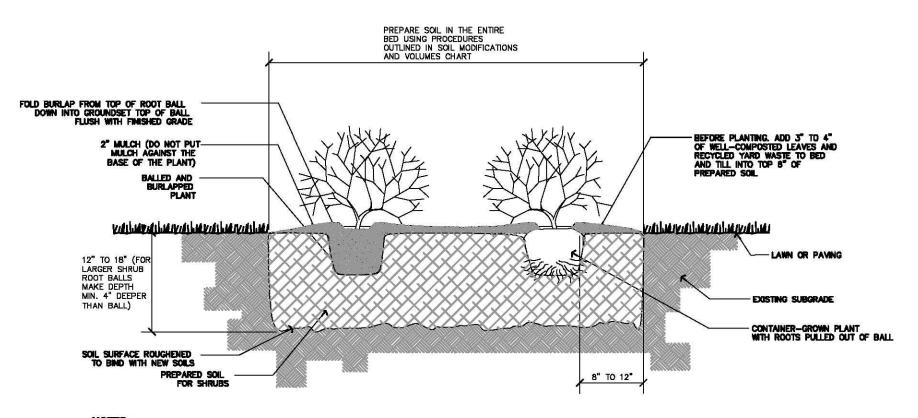




BIKE RACK DETAIL

SCALE: N.T.S.

INCREASED DROUGHT



NOTES:

1. FOR CONTAINER-GROWN SHRUBS. USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SO! THEN CUT OR PULL APART ANY ROOTS THAT CIRCLE THE PERIMETER OF THE CONTAINER.

2. INCORPORATE COMMERCIALLY PREPARED MYCORRHIZAE SPORES IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AT RATES SPECIFIED

OOSEN THE EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN

FOR TREES. SEE SOIL MODIFICATIONS

COMPACTED SOIL (NOT PREVIOUSLY GRADED, TOPSOIL

THE CONTENT UP TO 5% DRY WEIGHT.

LAYER DISTURBED BUT NOT ELIMINATED)

DO NOT STAKE OR WRAP TRUNK. MARK NORTH SIDE OF TREE IN THE NURSERY AND LOCATE TO

AROUND THE TRUNK OF CANOR

REES AND UNDERSTORY TREES

(A.M. LEÓNARD HORTICULTURAL

THE NORTH IN THE FIELD.

FOR DEER PROTECTION.
(FORESTRY SUPPLIERS PRODU
17048) OR "TREE SHELTER"

DIG WIDE SHALLOW HOLE WITH

BASE OF ROOT BALL

TAMP SOIL SOLIDLY AROUND

 FOR CONTAINER GROWN TREES USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTITING SOIL, THEN CUT OR PULL APART ANY ROOTS CIRCLING THE

PERIMETER OF THE CONTAINER.

THE MANUFACTURER.

2. INCORPORATE COMMERCIALLY PREPARED MYCORRHIZAE SPORES IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AT RATE SPECIFIED BY

3. CONFIRM THAT WATER DRAINS OUT OF THE SOIL DURING THE DESIGN PHASE; DESIGN ALTERNATIVE DRAINAGE SYSTEMS AS REQUIRED.

4. CONFIRM THAT THE SOIL ON TOP OF THE ROOT BALL IS AT THE ORIGINAL GRADE IN WHICH THE PLANT WAS ORIGINALLY PLANTED. REMOVE

TWO LEADERS OR REMOVE ONE AT PLANTING, OTHERWISE DO NOT PRUNE TREE AT PLANTING

FOLD BURLAP AWAY FROM TOP

SET BALL FLUSH TO GRADE OR

SEVERAL INCHES HIGHER IN

4" BUILT-UP EARTH SAUCER

DO NOT PLACE MULCH IN

CONTACT WITH TREE.

BEFORE PLANTING ADD 3

TO 4" OF WELL COMPOSTED LEAVES OR RECYCLED YARD WASTE TO BED AND TILL IN TOP 6" OF

4" TO 6" DEEPER THAN ROOT BALL

PREPARED SOIL FOR TREES

- CUT TOP & SIDE BANDS OF WIRE

TOP OF ROOT BALL

— SET ROOT BALL ON FIRM PAD IN BOTTOM OF HOLE

3 PRIOR TO INSTALLATION CONFIRM THE SOILS WILL

ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.

5. THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS

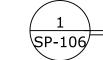
4. THOROUGHLY SOAK THE ROOT BALL AND THE

TREE PLANTING DETAIL

ABOVE THE TRUNK FLARE

EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS

OF ROOT BALL



SHRUB PLANTING DETAIL

SCALE: N.T.S.

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

<u>APPLICANT</u>

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

SCHEDULE OF REVISIONS

REV. DATE DESCRIPTION OF CHANGES

A 03/01/2022 CITY OF PLAINFIELD TRC REVIEW

B 04/04/22 ISSUED FOR SITE PLAN SUBMISSION

04/27/22 | REVISED PER COMPLETENESS REVIEW

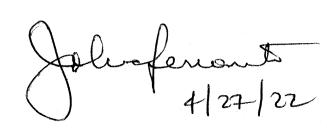
E 2 PROJECT MANAGEMENT LLC

87 HIBERNIA AVENUE ROCKAWAY, N.J. 07866 PHONE: (973) 299-5200 FAX: (973) 299-5059 www.F2PM.com



HIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL OMSTRUCTION MUST BE DOBE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH CT OF 1970 AND ALL RULES AND REGULATIONS THERETO APPURTENANT. THIS DRAWING AND THE ESIGN FEATURES OR CONSTRUCTION DISCLOSED ARE PROPRIETARY TO E2 PROJECT MANAGEMENT C. AND SHALL NOT BE REPRODUCED, ALTERED OR COPIED WITHOUT WRITTEN PERMISSION, SHALL OT BE USED IN ANY MANNER DETRIMENTAL TO ITS INTEREST AND SHALL BE RETURNED UPON REQUEST

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

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	PtSpcLr	PtSpcTb	Meter Type
CalcPts_1 Parking	Illuminance	Fc	2.20	9.3	0.5	4.40	18.60		10	10	Horizontal
CalcPts_2 SW	Illuminance	Fc	2.58	8.2	0.4	6.45	20.50	Readings taken @ 0'-0" AFG	4	4	Horizontal

Luminaire S	uminaire Schedule											
Symbol	Tag	Qty	Label	Arrangement	Lum, Lumens	Arr. Lum. Lumens	LLF	Description	Lum. Watts	Arr. Watts	Total Watts	BUG Rating
*	E	21	SLIM12YD10	Single	1810	1810	1.000	SLIM12Y_D10	14.1	14.1	296.1	B1-U0-G0
0	D	4	c6r12835unvw	Single	1062	1062	1.000	6 in recessed downlight	10.6	10.6	42.4	N.A.
	С	4	ALED3T50Y x 2 @ 180°	Back-Back	6377	12754	1.000	ALED3T50Y (TYPE III)	53.5	107	428	B1-U0-G2
	Α	2	ALED2T50Y	Single	6873	6873	1.000	ALED2T50Y (TYPE II)	52.2	52.2	104.4	B1-U0-G2
	В	6	ALED4T50Y	Single	6790	6790	1.000	ALED4T50Y (TYPE IV)	51.4	51.4	308.4	B1-U0-G2
-4	С	5	ALED3T50Y	Single	6377	6377	1.000	ALED3T50Y (TYPE III)	53.5	53.5	267.5	B1-U0-G2

LumNo	Tag	X	Υ	HEIGHT	Orient	Tilt
1	С	513825.802	644572.535	15	92.198	0
2	Α	513765.935	644634.429	15	2.198	0
3	Α	513761.793	644742.349	15	2.198	0
4	С	513896.975	644826.863	15	272.198	0
5	С	513892.771	644740.189	15	2.198	0
5	С	513889.033	644740.045	15	182,198	0
6	С	513809.385	644737.47	15	2.198	0
6	С	513805.647	644737.326	15	182.198	0
7	С	513896.704	644653.126	15	2.198	0
7	С	513892.966	644652.982	15	182.198	0
8	С	513812.826	644649.988	15	2.198	0
8	С	513809.088	644649.844	15	182.198	0
9	С	513897.154	644575.296	15	92.198	0
10	В	513969.738	644577.424	15	92.198	0
11	В	514043.642	644580.895	15	92.198	0
12	В	514023.243	644702.804	15	272.198	0
13	В	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	Е	513949.818	644925.069	12	182.198	0
19	Е	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	513952.644	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	644867.828	12	2.198	0
34	E	514038.989	644781.758	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	Е	514033.786	644905.811	12	2.198	0

644637.825

513828.055 514053.085

513925.128

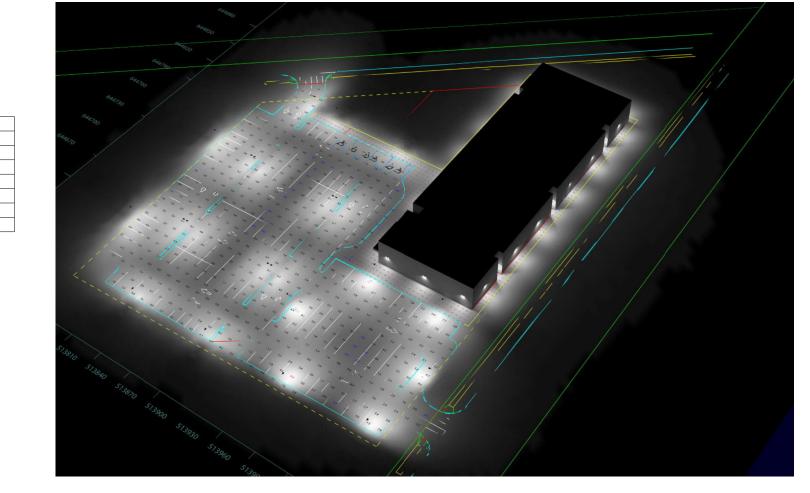
LIGHTING REQUIREMENTS

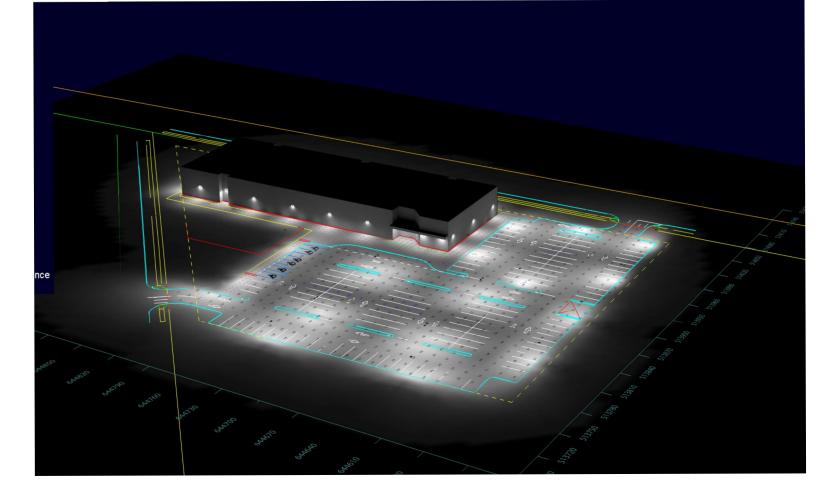
(SECTION 17:11-12)

PARKING LOTS

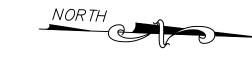
1.0 - 2.5 FC AVERAGE ILLUMINATION

LOADING AREAS 3.0 - 5.0 FC AVERAGE ILLUMINATION PEDESTRIAN WALKWAYS 0.5 - 1.0 FC AVERAGE ILLUMINATION





LIGHTING RENDERING ISOMETRIC VIEW



<u>OWNER</u>

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

SCHEDULE OF REVISIONS

REV. DATE DESCRIPTION OF CHANGES

A 03/01/2022 CITY OF PLAINFIELD TRC REVIEW B 04/04/22 ISSUED FOR SITE PLAN SUBMISSION

04/27/22 REVISED PER COMPLETENESS REVIEW

<u>APPLICANT</u>

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

PHONE: (973) 299-5200 FAX: (973) 299-5059

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

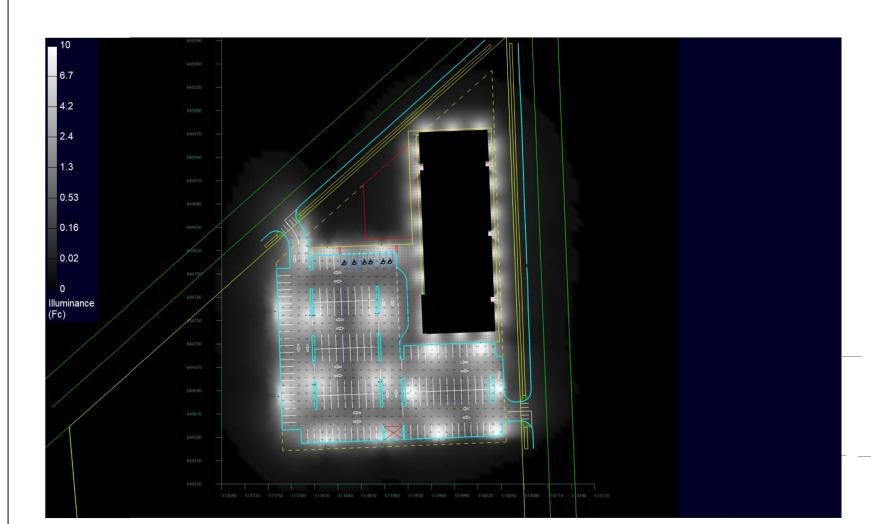
DRAWING TITLE

LIGHTING PLAN

	CHECKED BY: JF	DRAWN BY: ENS
	SCALE: 1" = 30'	SHEET NO: XX OF
*	PROJECT #: P-21-39	FIRST ISSUE: 03/02/202
-19.50		

DRAWING NO.

SP-107.00



272.198 0

182.198 0

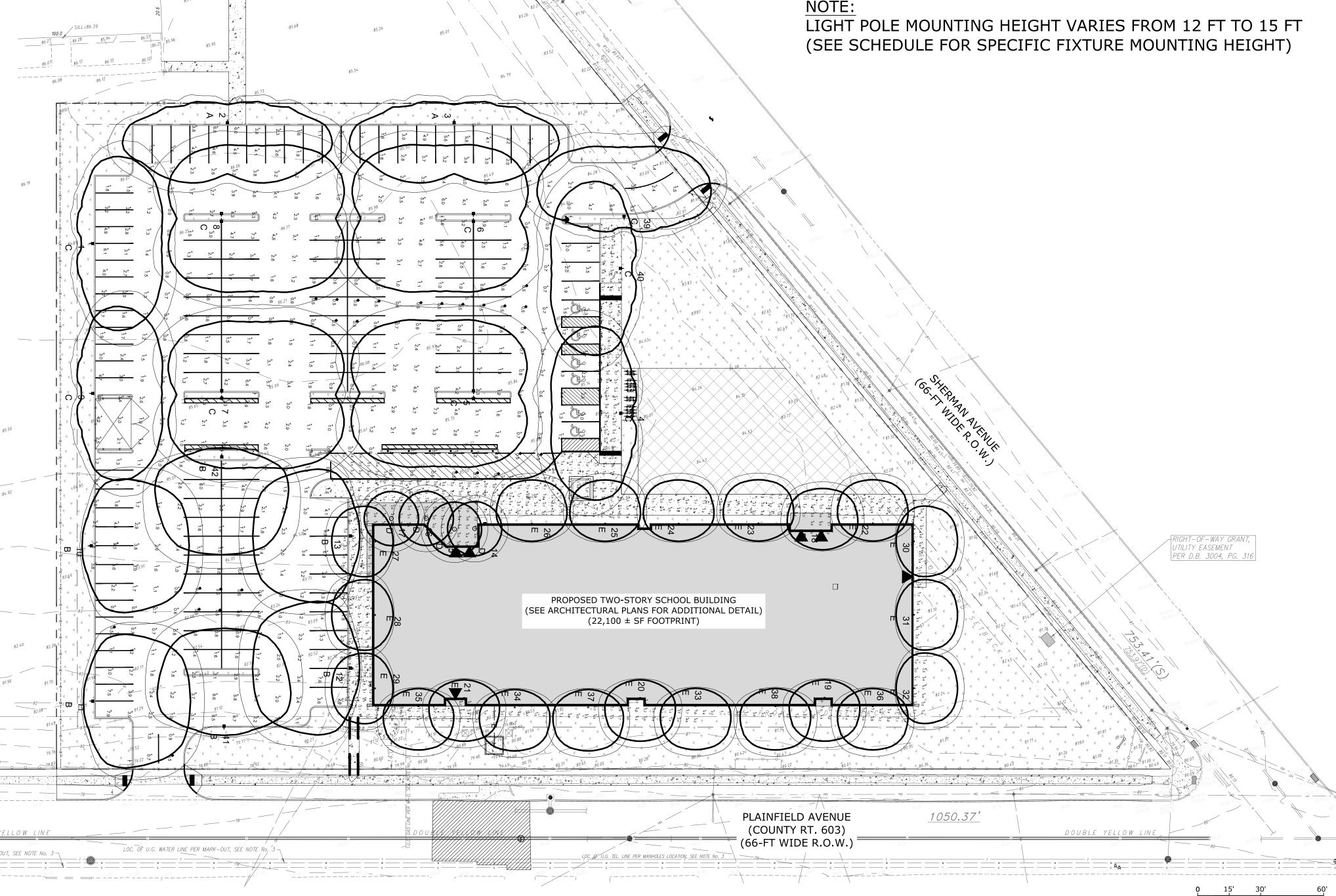
2.198 0

LIGHTING RENDERING PLAN VIEW

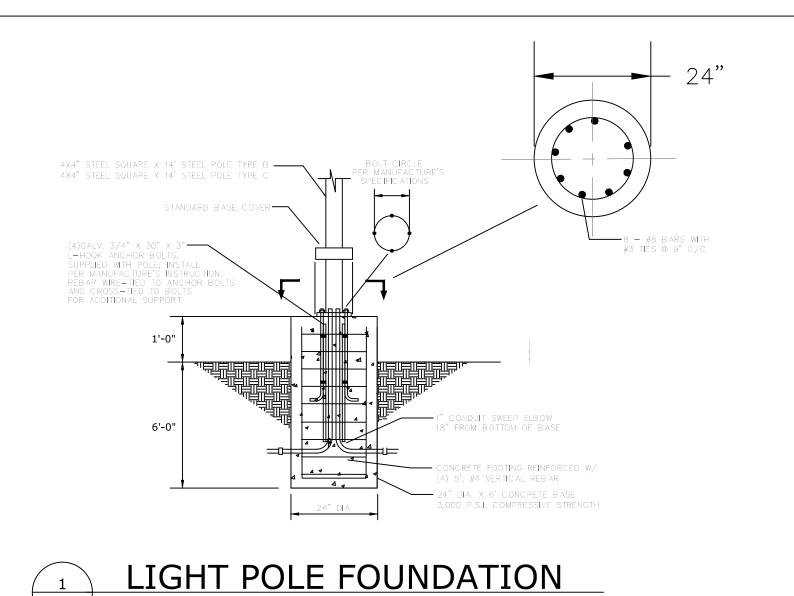
REFERENCE NOTES:

. 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, 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.

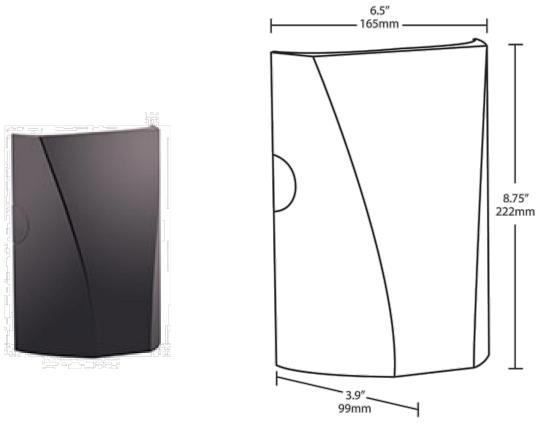




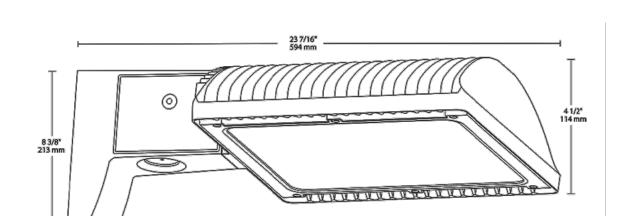


SCALE: N.T.S.



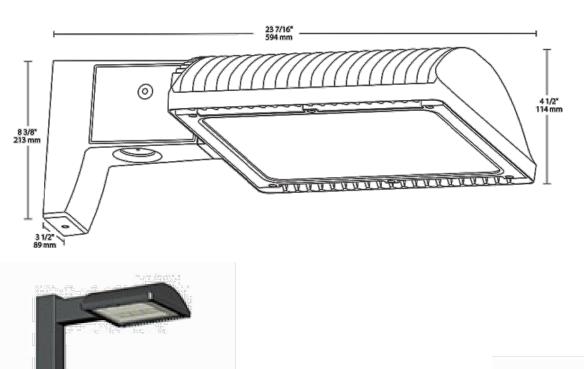




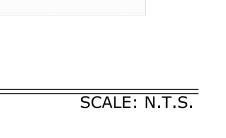


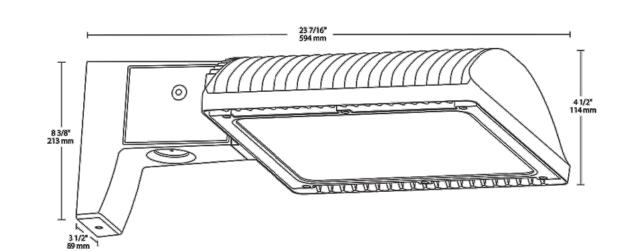








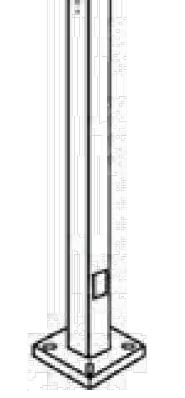






SCALE: N.T.S.





PS4-11-15D2 12-FT OR 15-FT POLE MOUNTING HEIGHTS (SEE LIGHTING SCHEDULE)

LIGHT POLE DETAIL

SCALE: N.T.S.

					1
	В	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS	JF
	С	04/27/22	REVISED PER COMPLETENESS REVIEW	НВ	JF
THE STATE OF THE S					

SCHEDULE OF REVISIONS

REV. DATE DESCRIPTION OF CHANGES

A 03/01/2022 CITY OF PLAINFIELD TRC REVIEW

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

<u>APPLICANT</u>

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

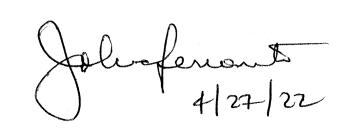
> N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200

E 2 PROJECT MANAGEMENT LLC

E2PM



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

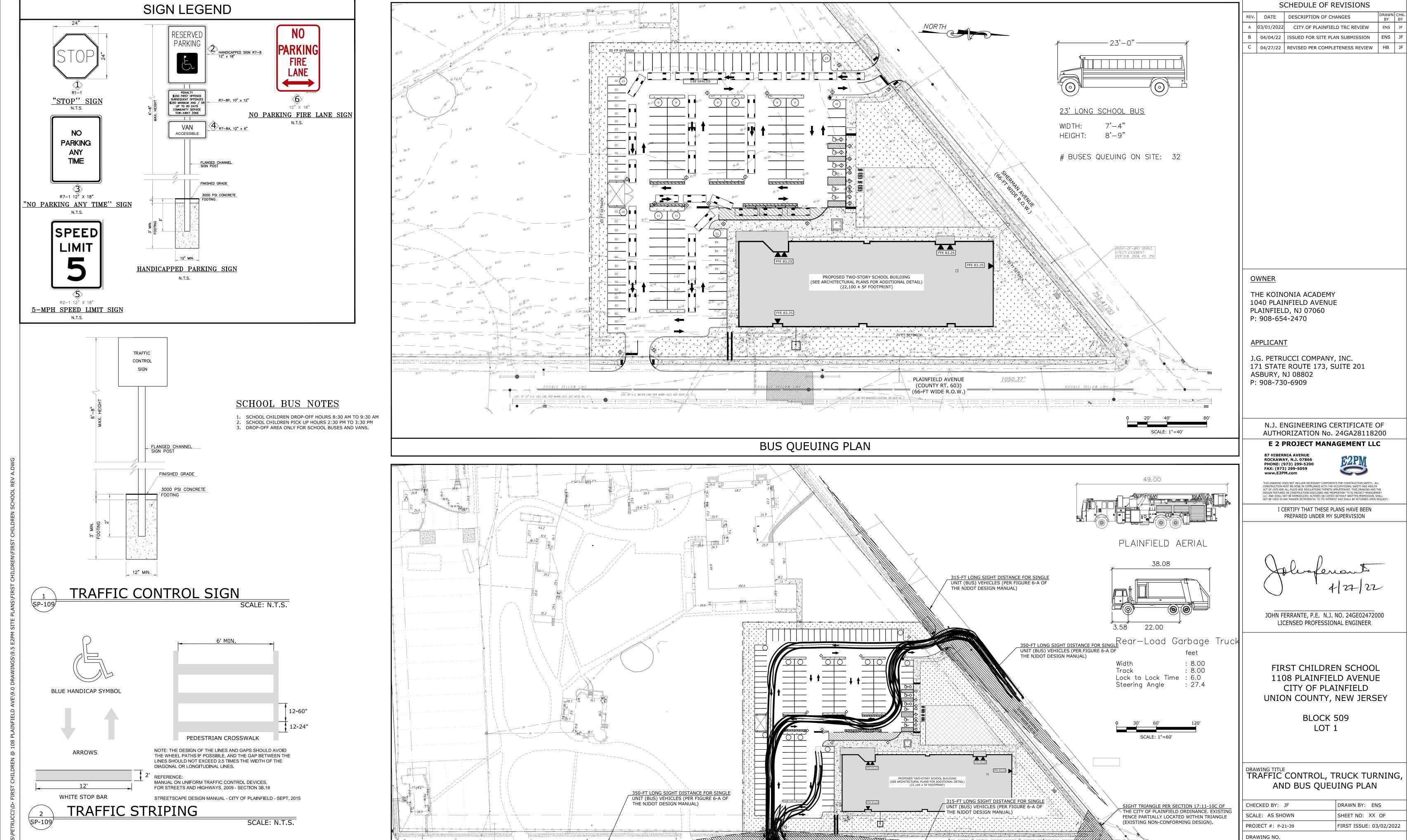
DRAWING TITLE

LIGHTING 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-108.00



TRUCK TURNING PLAN

SP-109.00

REFERENCE NOTES:

E2 PROJECT MANAGEMENT LLC, DATED JANUARY 25, 2022.

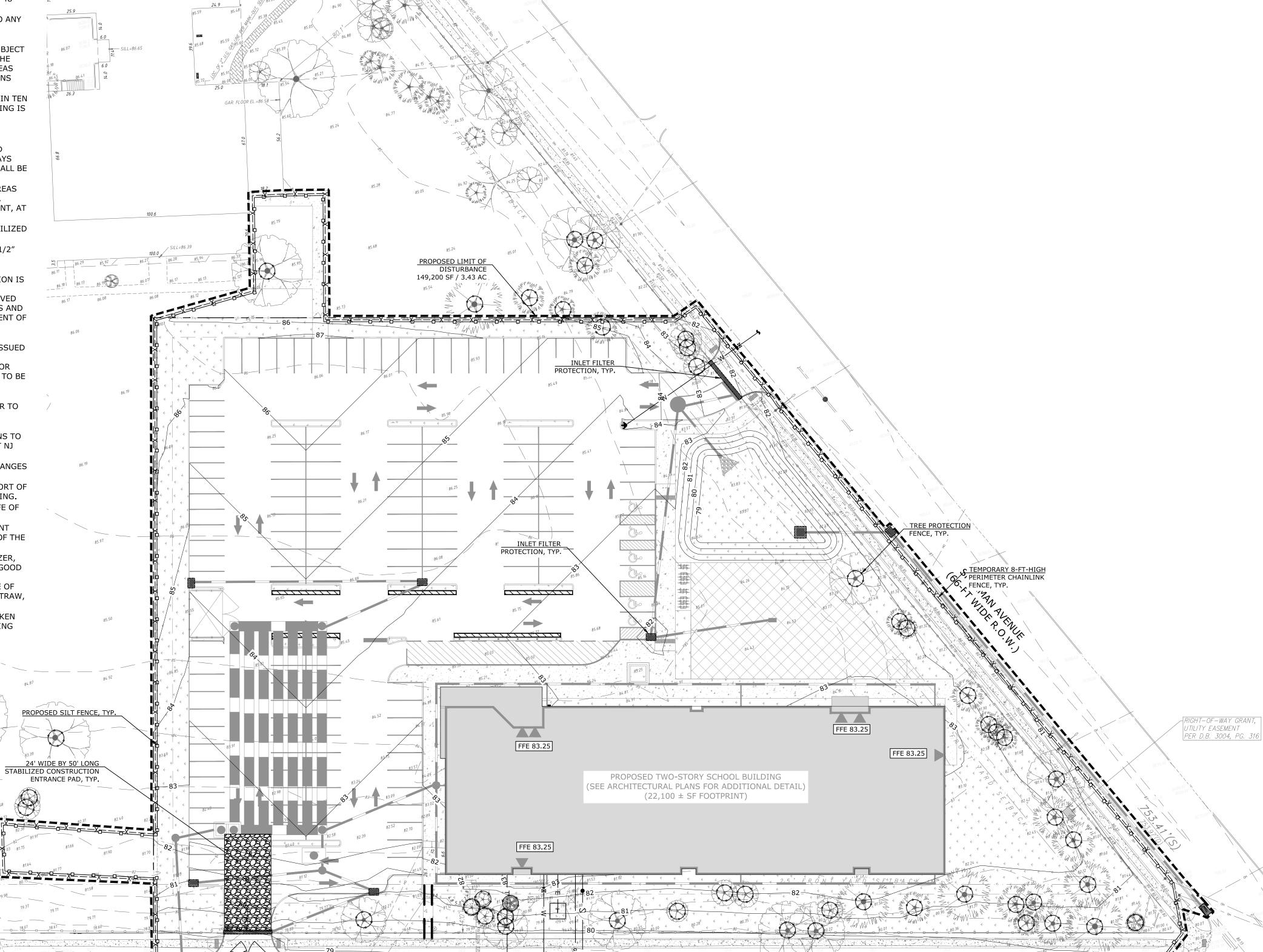
. THE BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN HEREIN WAS OBTAINED FROM A PLAN ENTITLED "ALTA/NSPS LAND TITLE SURVEY, THE KOINONIA ACADEMY, 1030-1108 PLAINFIELD AVENUE, CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY, BLCOK 509 LOT 1" PREPARED BY

2. THE PROPOSED BUILDING LAYOUT WAS BASED ON ARCHITECTURAL PLANS PROVIDED

ELECTRONICALLY FROM THINK WILDER ARCHITECTURE ON JANUARY 19, 2022.

- 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:

.. 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.

<u> 24-FT-WIDE CHAINLINK</u>

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.

OC. OF U.G. TEL. LINE PER MANHOLES LOCATION, SEE NOTE No. 3

PLAINFIELD AVENUE (COUNTY RT. 603)

(66-FT WIDE R.O.W.)

1050.37



REV.	DATE	DESCRIPTION OF CHANGES	DRAWN BY	CHK. BY
Α	03/01/2022	CITY OF PLAINFIELD TRC REVIEW	ENS	JF
В	04/04/22	ISSUED FOR SITE PLAN SUBMISSION	ENS	JF
С	04/27/22	REVISED PER COMPLETENESS REVIEW	НВ	JF

SCHEDULE OF REVISIONS

<u>OWNER</u>

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

<u>APPLICANT</u>

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. AL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALT RULES AND REGULATIONS THERETO APPURTENANT. THIS DRAWING AND T DESIGN FEATURES OR CONSTRUCTION DISCLOSED ARE PROPRIETARY TO E2 PROJECT MANAGEM

I CERTIFY THAT THESE PLANS HAVE BEEN PREPARED UNDER MY SUPERVISION

Johnsternant 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

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.

SP-110.00

SITE PREPARATION

- 1. 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.
- 2. 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
- 4. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.

SEEDBED PREPARATION

- 1. 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://NJAES.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
- 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
- 3. 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 REPARATION. 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. 1.1. 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
- 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.

RATES APPLY TO ALL METHODS OF SEEDING, ESTABLISHING PERMANENT VEGETATION MEANS 80%

- COOL-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT TEMPERATURES BELOW 850 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
- 2. 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 RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE
- 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL. AFTER SEEDING, FIRMING 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 AND HYDRAULIC PUMP 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.

SITE IS LOCATED WITHIN ZONE 6B

PERMANENT VEGETATIVE MIXTURES, PLANTING RATES AND PLANTING DATES

TERMINATIVE PILATORES, TERMINATIVE DATES													
	PLANTING RATES		PLANTING DATES O - OPTIMAL PLANTING PERIOD A - ACCEPTABLE PLANTING PERIOD PLANT HARIDNESS ZONÉ							NCE			
	PLANT	ING RATES			PL	ANT HA	KIDNE	SS 201	VE			┇┋	REMARKS
SEED MIXTURE			ZONE 5B, 6A		(2	ZONE 6B		ZONE 7A, 7B		7B	🗒 🍳	KLMAKKS	
	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	MAINTENANCE	
					WARM	SEASO	JTXIM I	JRE #4					
SWITCHGRASS	10	.25											
BIG BLUESTEM	5	.10											
LITTLE BLUESTEM	5	.10	0			0			0			C-D	NATIVE WARM SEASON MIXTURE
SAND LOVEGRASS	4	.10											SEASON PILATORE
COSTAL PANICGRASS	10	.20											
					COOL S	EASON	MIXTU	RE #7			-		
STRONG CREEPING RED FESCUE	130	3											SUITABLE WATERWAY MIX.
KENTUCKY BLUEGRASS	50	1											CANADA BLUEGRASS
PERENNIAL RYEGRASS OR	20	.60	Α	Α	0	Α	Α	0	Α	Α	0	B-D	MORE DROUGHT TOLERANT
REDTOP	10	.25											USE REDTOP FOR INCREASED DROUGHT
PLUS WHITE CLOVER	5	.10											TOLERANCE

DUST CONTROL METHODS:

THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST: <u>ULCHES</u> - SEE STANDARD OF STABILIZATION WITH MULCHES

SETATIVE COVER - SEE TEMPORARY AND PERMANENT VEGETATIVE COVER STANDARDS RAY ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE

DUST CONTROL MATERIAL							
MATERIAL	WATER DELUSION	TYPE OF NOZZLE	APPLY GALLONS/ACRE				
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200				
LATEX EMULSION	12.5:1	FINE SPRAY	235				
RESIN IN WATER	4:1	FINE SPRAY	300				
POLYACRYLAMIDE (PAM)- SPRAY ON	ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO						
` '			1				
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200				

<u> ILLAGE</u> - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL - TYPE PLOWS ABOUT 12 INCHES APART AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE DESIRED EFFECT.

<u>SPRINKLING</u> - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.

BARRIERS - SOLID BOARD FENCE, SNOW FENCES, BURLAP FENCES, BALES OF HAY OR SIMILAR MATERIAL AN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

LCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED HROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.

STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

SITE PREPARATION

- 1. 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 (19-1 OF STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY)
- 2. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42 IN STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
- IMMEDIATELY PRIOR TO SEEDING THE SURFACE SHOULD BE SCARIFIED 6" TO 12" WHERE THERE HAS BEEN SOIL COMPACTION. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.)

SEEDBED PREPARATION

- . APPLY GROUND LIMESTONE AND FERTILIZER 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://NJAES.RUTGERS.EDU/COUNTY/). FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE. CALCIUM CARBONATE IS THE EOUIVALENT AND STANDARD FOR MEASURING THE ABILITY OF LIMING MATERIALS TO NEUTRALIZE SOIL ACIDITY AND SUPPLY CALCIUM AND MAGNESIUM TO GRASSES AND LEGUMES.
- 2. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH 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
- 3. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED IN ACCORDANCE WITH THE ABOVE.
- 4. SOILS HIGH IN SULFIDES OR HAVING A pH OF 4 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, PAGE 1-1 IN THE STANDARD FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW

SEEDING

SELECT SEED FROM RECOMMENDATIONS IN TABLE 7-2 SHOWN BELOW: CONVENTIONAL SEEDING: APPLY 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 TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING, DEPTH

OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL

- 3. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORT FIBERED 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, POOR SEED TO SOIL CONTACT OCCURS REDUCING SEED GERMINATION AND GROWTH, HYDROSEEDING MAY BE USED FOR AREAS TOO STEEP FOR CONVENTIONAL EQUIPMENT TO TRAVERSE OR TOO OBSTRUCTED WITH ROCKS, STUMPS, ETC.
- 4. AFTER SEEDING, FIRMING 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.

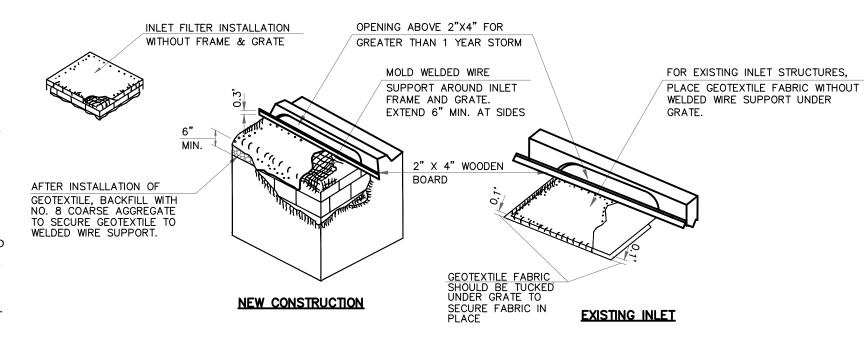
MULCHING

- 1. MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS
- ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS MULCHING REQUIREMENT STRAW OR HAY: UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT) THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED
- FOR ESTABLISHED FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED. 3. APPLICATION: SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.
- 4. ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF HTE AREA, STEEPNESS OF SLOPE, AND COSTS:
- 4.1. PEG AND TWINE. DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWICE BETWEEN PEGS IN A CRIS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS. 4.2. MULCH NETTINGS. STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE. USE A
- DEGRADABLE NETTING IN AREAS TO BE MOWED. 4.3. CRIMPER (MULCH ANCHORING TOOL). A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES, STRAW MUICH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED.
- 4.4. LIOUID MULCH BINDERS MAY BE USED TO ANCHOR HAY OR STRAW MULCH. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. THE REMAINDER OF THE AREA SHOULD BE UNIFORM IN APPEARANCE.
- 4.4.2. USE ONE OF THE FOLLOWING 4.4.2.1. ORGANIC AND VEGETABLE BASED BINDERS - NATURALLY OCCURRING, POWDER BASED, HYDROPHILIC MATERIALS WHEN MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANED NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOTOXIC EFFECT OR IMPEDED GROWTH OF TURFGRASS, USE AT RATES AND WEATHER CONDITIONS AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH MATERIALS. MANY NEW PRODUCTS ARE AVAILABLE, SOME OF WHICH MAY NEED FURTHER EVALUATION FOR USE
- IN THIS STATE. SYNTHETIC BINDERS - HIGH POLYMER SYNTHETIC EMULSION, MISCIBLE WITH WATER WHEN DILUTED AND FOLLOWING APPLICATION TO MULCH, DRYING, AND CURING SHALL NO LONGER BE SOLUBLE OR DISPERSIBLE IN WATER. IT SHALL BE APPLIED AT RATES RECOMMENDED BY THE MANUFACTURER AND REMAIN TACKY UNTIL GERMINATION OF GRASS
- 4.5. WOOD-FIBERED OR PAPER-FIBER MULCH. SHALL BE MADE FROM WOOD, PLANT FIBERS OR PAPER CONTAINING NO GROWTH GERMINATION INHIBITING MATERIALS, USED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PROJECT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. THIS MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED, USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.
- PELLETIZED MULCH. COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAY CONTAIN CO-POLYMERS, TACKIFIERS, FERTILIZERS AND COLORING AGENTS. THE DRY PELLETS, WHEN APPLIED TO A SEEDED AREA NAD WATERED, FORM A MULCH MAT. PELLETIZED MULCH SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LBS/1000 SQUARE FEET AND ACTIVATED WITH 0.2 TO 0.4 INCHES OF WATER. THIS MATERIAL HAS BEEN FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS, SEEDED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE. APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER AFTER SPREADING PELLETIZED MULCH ON THE SEED BED IS EXTREMELY IMPORTANT

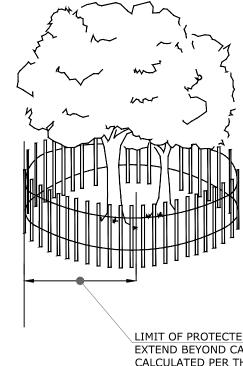
FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE. WITHIN ZONE 6B PERMANENT VEGETATIVE MIXTURES, PLANTING RATES AND PLANTING DATES.

FLRMAN	LIVI	VLGLIAI	•	TIMUM SEEDING DAT	AND PLANTING D	ATLS		
	SEED	ING RATES	BASED	OPTIMUM SEED				
SEED MIXTURE	LBS/ ACRE	(1) LBS/1000 SQ.FT.	ZONE 5B, 6S	ZONE 6B	ZONE 7A, 7B	DEPTH (INCHES) (4)		
			COOL S	SEASON GRASSES				
1. PERENNIAL RYEGRASS	100	1.0	3/15-6/1 & 8/1-9/15	3/1-5/15 & 8/15-10/1	2/15-5/1 & 8/15-10/15	0.5		
2. SPRING OATS	86	2.0	3/15-6/1 & 8/1-9/15	3/1-5/15 & 8/15-10/1	2/15-5/1 & 8/15-10/15	1.0		
3. WINTER BARLEY	96	2.2	8/1-9/15	8/15-10/1	28/15-10/15	1.0		
4. ANNUAL RYEGRASS	100	1.0	3/15-6/1 & 8/1-9/15	3/15-6/1 & 8/1-9/15	2/15-5/1 & 8/15-10/15	0.5		
5. WINTER CEREAL RYE	112	2.8	8/1-11/1	8/1-11/15	8/1-12/15	1.0		
WARM SEASON GRASSES								
6. PEARL MILLET	20	0.5	6/1-8/1	5/15-8/15	5/1-9/1	1.0		
7. MILLET (GERMAN OR HUNGARIAN)	30	0.7	6/1-8/1	5/15-8/15	5/1-9/1	1.0		

- 1. SEEDING RATE FOR WARM SEASON GRASS, SELECTIONS 5-7 SHALL BE ADJUSTED TO REFLECT THE AMOUNT OF PURE LINE SEED (PLS) AS DETERMINED BY A GERMINATION TEST RESULT. NO ADJUSTMENT IS REQUIRED FOR COOL SEASON GRASSES.
- MAY BE PLANTED THROUGHOUT SUMMER IF SOIL MOISTURE IS ADEQUATE OR SEED AREA CAN BE IRRIGATED. PLANT HARDINESS ZONE (SEE FIGURE 7-1, PG 7-4 OF THE THE STANDARDS FOR EROSION AND SEDIMENT CONTROL IN NEW JERSEY



B-TYPE INLET FILTER



- 1. TREE PROTECTION DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHAPTER 9 - TREE PROTECTION DURING CONSTRUCTION OF THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
- TREE PROTECTION FENCING OR OTHER BARRIER SHOULD BE INSTALLED BEYOND THE CRITICAL ROOT RADIUS WHICH IS DETERMINED AS FOLLOWS: 2.1. MEASURE THE DBH (DIAMETER OF TREE AT BREAST HEIGHT, 4.5 FEET ABOVE GROUND ON THE UPHILL SIDE OF TREE) IN INCHES.
- OLDER, UNHEALTHY, OR SENSITIVE TREE SPECIES TO GET THE CRITICAL ROOT RADIUS. EXPRESS THE RESULT IN FEET.
 MULTIPLY THE MEASURED DBH BY 1.0 FOR

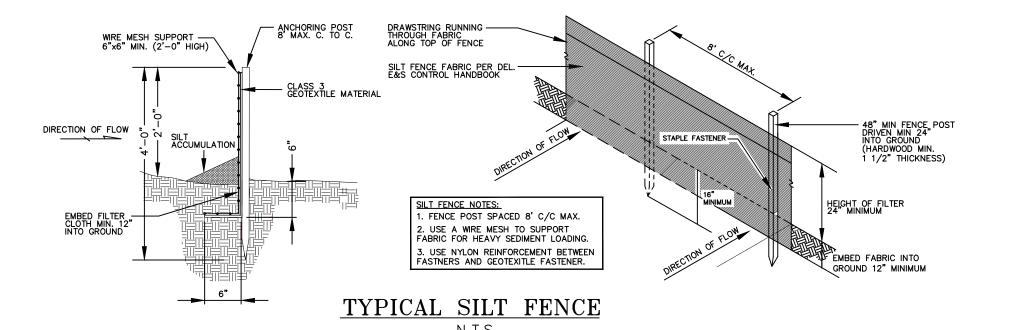
MULTIPLY THE MEASURED DBH BY 1.5 FOR

YOUNGER, HEALTHY, OR TOLERANT SPECIES TO GET THE CRITICAL ROOT RADIUS. EXPRESS RESULTS IN FEET.

LIMIT OF PROTECTED ROOT ZONE AT A MINIMUM SHOULD EXTEND BEYOND CALCULATED CRITICAL ROOT RADIUS AS CALCULATED PER THE NOTES 2.1 THROUGH 2.3

TREE PROTECTION FENCE

N.T.S.



LENGTH ACCORDING TO TABLE

6" MIN.

COURSE GRAINED SOILS

100 FT

1. AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.

LENGTH OF STONE REQUIRED

ENTIRE SURFACE STABILIZED WITH FABC BASE COURSE

PROVIDE APPROPRIATE

TRANSITION BETWEEN

LENGTH ACCORDING TO TABLE

PLAN VIEW (N.T.S.)

TEMPORARY STABILIZED

CONSTRUCTION ENTRANCE

STABILIZED CONSTRUCTION

ENTRANCE AND PUBLIC R.O.W.

EXISTING GROUND thw thu thu thu thu thu

PERCENT SLOPE

OF ROADWAY

0 TO 2%

2% TO 5%

GROUND

PUBLIC

R.O.W.

FINE GRAINED SOILS

100 FT

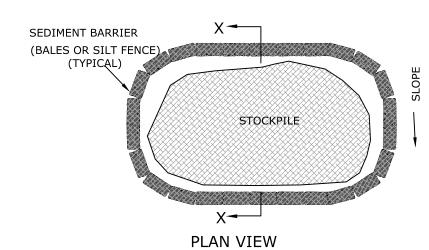
200 FT

RIGHT

SEQUENCE OF CONSTRUCTION

	<u>DAYS</u>
 INSTALL FILTER FABRIC FENCING, INLET PROTECTION A GRAVEL TRACKING BLANKET 	ND 2
2. REMOVE TREES, LIGHT POLES, FENCING, ON—SITE CURP 2. SIDEWALK; CLEAN AND GRUB SITE	BING AND 14
3. STRIP TOPSOIL AND STOCKPILE	2
4. ROUGH GRADE SITE	60
5. CONSTRUCT STORMWATER MANAGEMENT SYSTEM	45
6. BUILDING CONSTRUCTION & SITE IMPROVEMENTS	240
7. UTILITY CONSTRUCTION	30
8. FINAL SITE GRADING	30
9. GRADE OUT TOPSOIL, PERMANENT SEEDING AND PLANT	TING 7

VARIABLE STOCKPILE TOP AND SIDES TO BE IMMEDIATELY STABILIZED WITH SEDIMENT BARRIER (BALES OR SILT FENCE) TEMPORARY SEED, ETC.. AS SPECIFIED (TYPICAL) STOCKPILE SLOPE EXISTING GRADE SECTION X- X



10. REMOVE ALL TEMPORARY SOIL EROSION MEASURES

1. STOCKPILES TO BE PLACED AS DETERMINED IN THE FIELD. 2. STOCKPILES NOT TO BE PLACED IN AREA WITH CONCENTRATED FLOW WETLANDS, EXTREME SLOPE, OR WITHIN 100 FEET OF A NATURAL STREAM.

TYPICAL STOCKPILE CONSTRUCTION

3. TOPSOIL IS TO BE STOCKPILED SEPARATELY FROM OTHER EXCAVATED MATERIALS.

N.T.S.

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

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

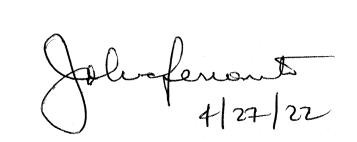
> N.J. ENGINEERING CERTIFICATE OF AUTHORIZATION No. 24GA28118200

E 2 PROJECT MANAGEMENT LLC

87 HIBERNIA AVENUE ROCKAWAY, N.J. 0786 PHONE: (973) 299-5200 FAX: (973) 299-5059

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 THERETO APPURTEMANT. THIS DRAWING AND THE DESIGN FEATURES OR CONSTRUCTION DISCLOSED ARE PROPRIETARY TO E2 PROJECT MANAGEMENT LLC AND SHALL NOT BE REPRODUCED, ALTERED OR COPIED WITHOUT WRITTEN PERMISSION, SHALL NOT BE USED IN ANY MANNER DETRIMENTAL TO ITS INTEREST AND SHALL BE RETURNED UPON REQUI

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

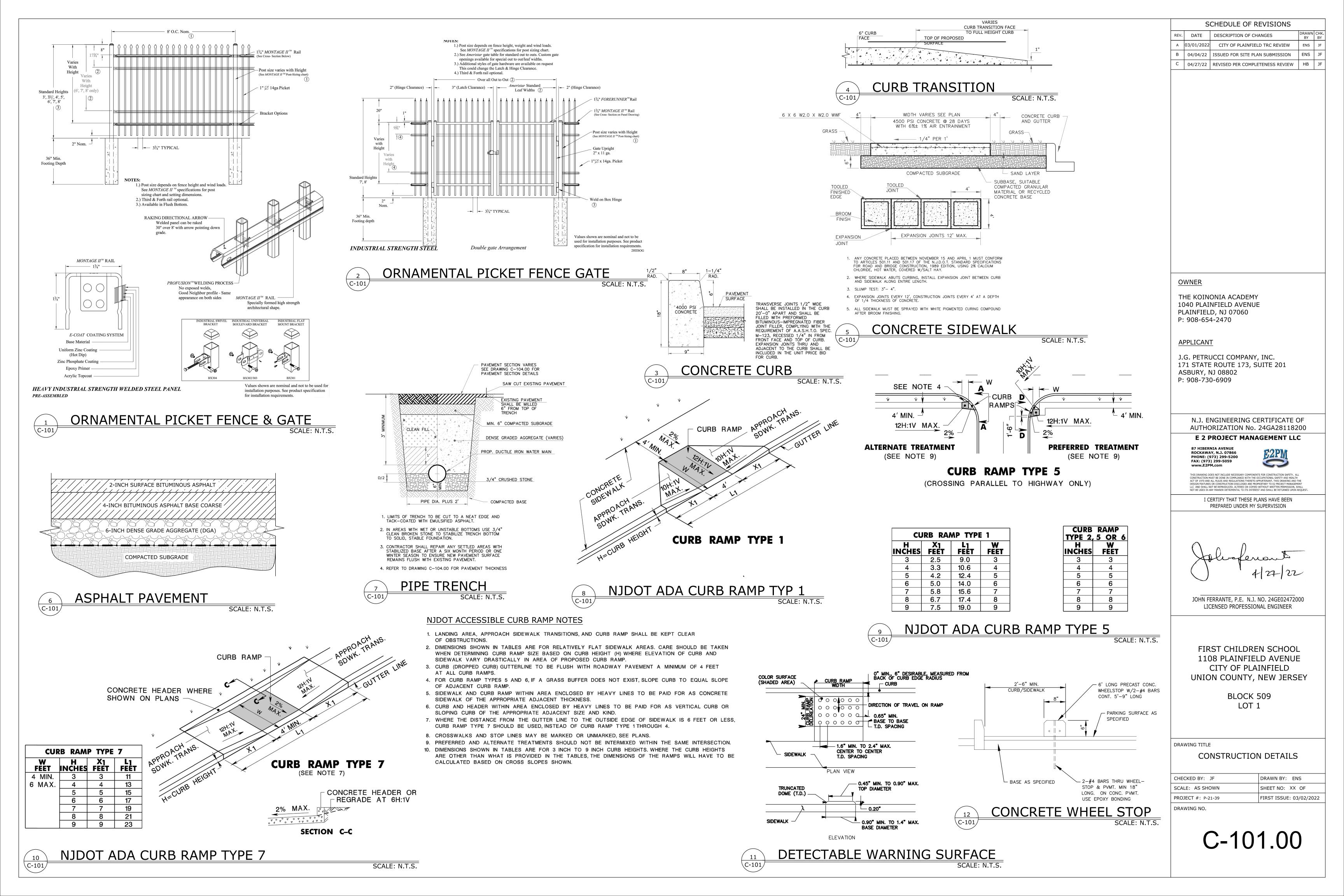
> BLOCK 509 LOT 1

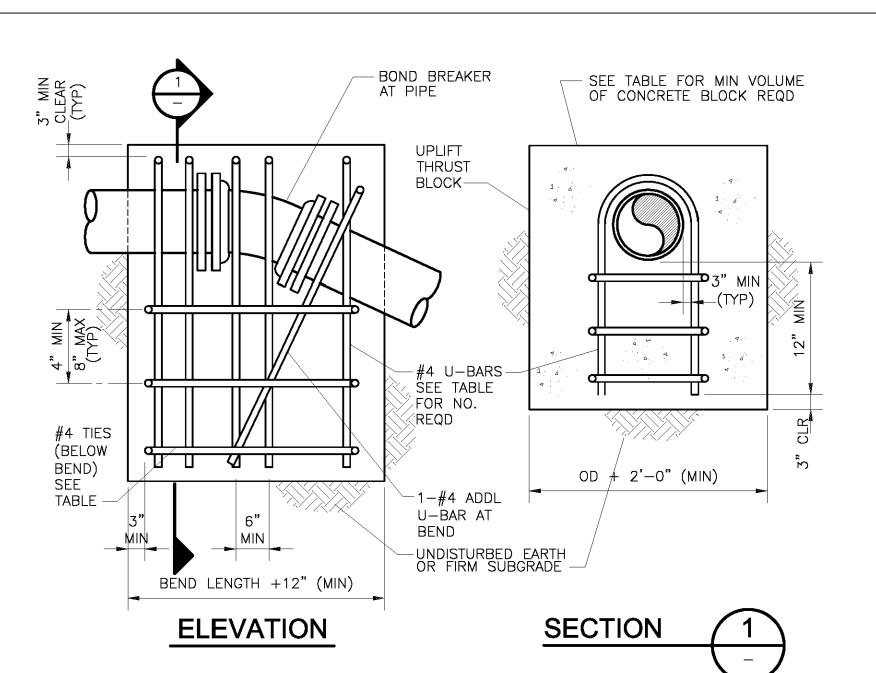
DRAWING TITLE SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

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

DRAWING NO.

C-100.00





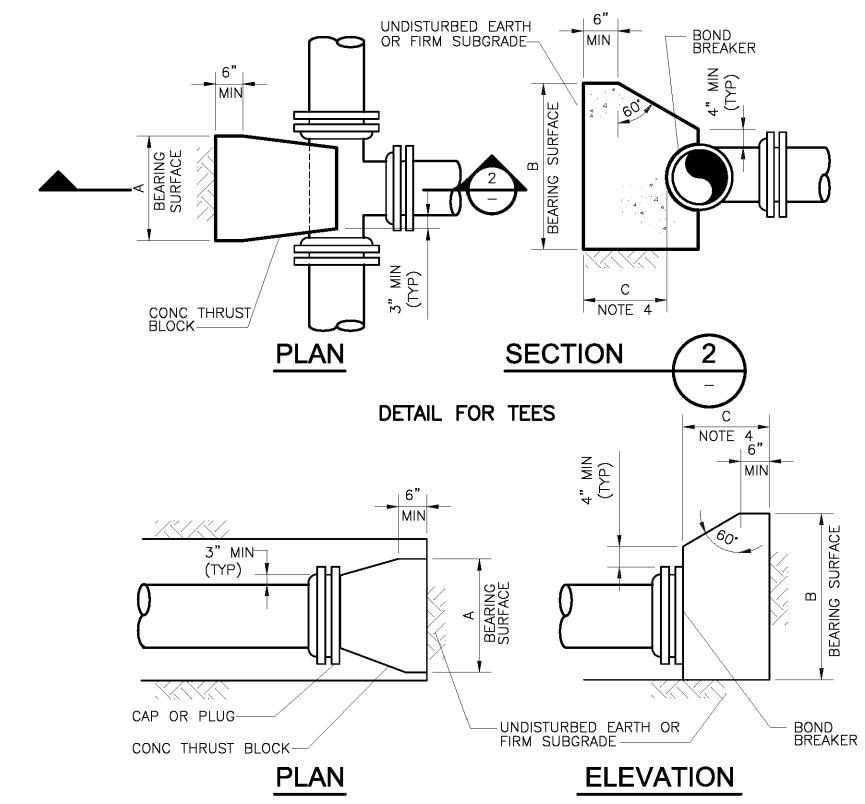
				1						
PIPE	PIPE Q.D.	60	DEG	45	DEG	30	DEG	22.5	DEG	#4 TIES BEAD
PIPE SIZE (IN.)	(IN.)	REINF	CONC	REINF	CONC	REINF	CONC	REINF	CONC	#4 TIES REQD
3	3.96	2	1	2	0.5	2	0.5	2	0.5	2
4	4.80	2	1	2	1.0	2	0.5	2	0.5	2
6	6.90	2	2	2	1.5	2	1.0	2	1.0	2
8	9.05	2	3.5	2	3	2	2	2	1.5	2
10	11.10	2	5	2	4	2	3	2	2.0	2
12	13.20	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:

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

CONCRETE THRUSTBLOCK FOR VERTICAL BENDS

SCALE: N.T.S.



DETAIL FOR CAPS OR PLUGS

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

- 1. MAXIMUM TEST PRESURE = 1.50x150 PSI
- 2. MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF
- 3. BEARING AREA = $A \times B$
- 4. C SHALL BE GREATER THAN A/2 AND B/2.

CONC THRUST BLOCK -<u>PLAN</u> SECTION DETAIL FOR HORIZONTAL BENDS UNDISTURBED EARTH OR FIRM SUBGRADE SECTION **ELEVATION** DETAIL FOR LOWER VERTICAL BENDS

NOMINAL PIPE SIZE	MAXIMUM PIPE OD		REQU	IRED BEARIN	NG AREA (S	Q FT)	
(INCHES)	(INCHES)	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

- 1. MAXIMUM TEST PRESURE = 1.5 x 150 PSI 2. MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF
- 3. BEARING AREA = $A \times B$ 4. C SHALL BE GREATER THAN A/2 AND B/2.

CONCRETE THRUSTBLOCK FOR HORIZONTAL BENDS

EXISTING SANITARY SEWER -

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

SCHEDULE OF REVISIONS

REV. DATE DESCRIPTION OF CHANGES

<u>OWNER</u>

THE KOINONIA ACADEMY

1040 PLAINFIELD AVENUE PLAINFIELD, NJ 07060

J.G. PETRUCCI COMPANY, INC. 171 STATE ROUTE 173, SUITE 201

N.J. ENGINEERING CERTIFICATE OF

AUTHORIZATION No. 24GA28118200 E 2 PROJECT MANAGEMENT LLC

I CERTIFY THAT THESE PLANS HAVE BEEN

PREPARED UNDER MY SUPERVISION

E2PN

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87 HIBERNIA AVENUE

ROCKAWAY, N.J. 07866 PHONE: (973) 299-5200 FAX: (973) 299-5059

APPLICANT

A 03/01/2022 CITY OF PLAINFIELD TRC REVIEW

B 04/04/22 ISSUED FOR SITE PLAN SUBMISSION

04/27/22 | REVISED PER COMPLETENESS REVIEW

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

> BLOCK 509 LOT 1

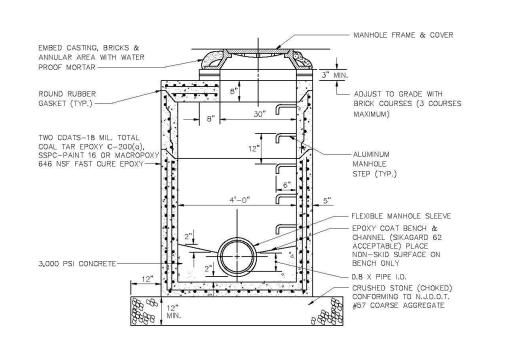
DRAWING TITLE

CONSTRUCTION DETAILS

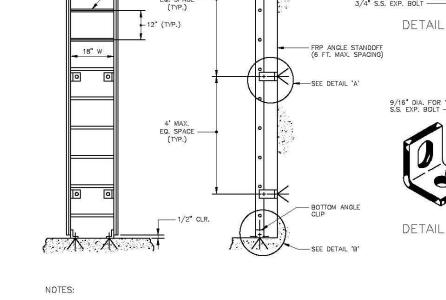
CHECKED BY: JF	DRAWN BY: ENS
SCALE: AS SHOWN	SHEET NO: XX OF
PROJECT #: P-21-39	FIRST ISSUE: 03/02/2022
DRAWING NO.	

C-102.00

CONCRETE THRUSTBLOCK FOR TEES CAPS AND PLUGS

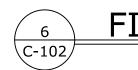


- 1. INTERIOR SURFACES TO BE COATED WITH TWO COATS, 18 MIL TOTAL, COAL TAR EPOXY MEETING SPECIFICATION C-200(A) OR SSPC-PAINT 16 IF RECEIVING DIRECT DISCHARGE FROM PUMP STATION OR DIFFERENCE IN INVERT ELEVATIONS EXCEEDS 12".
- 2. RISER, CONES AND SLABS SHALL BE CONSTRUCTED IN ACCORDANCE WITH A.S.T.M. C-478.
- 3. NON PENETRATING LIFTING HOLES SHALL BE PROVIDED IN ALL UNITS.
- 4. ABSORPTION NOT TO EXCEED 8% IN ACCORDANCE WITH A.S.T.M. C-76.
- 5. ALL JOINTS TO BE CONSTRUCTED IN ACCORDANCE WITH A.S.T.M. C-361.
- 6. NO PRE-CAST BENCHES OR CHANNELS
- 7. CAN ONLY BE USED AT DEPTHS GREATER THAN 6.5' AS MEASURED FROM RIM TO INVERT.



- 1. LADDERS SHALL BE INSTALLED ON ALL MANHOLES WHERE THE DISTANCE FROM THE INVERT TO THE RIM EXCEEDS 15 FEET.
- 3. CLIPS, ANGLES, BOLTS, WASHERS AND ALL OTHER HARDWARE SHALL BE 304 STAINLESS STEEL.
- 4. ALL MANHOLES EXCEEDING 25 FEET FROM INVERT TO RIM SHALL HAVE AT LEAST ONE INTERMEDIATE PLATFORM.





FIBERGLASS MANHOLE LADDER

DETAIL 'A' DETAIL 'B'

12" CRUSHED STONE

1. BENCH TO HAVE 2.0% SLOPE (TYP.) WITH NON SKID SURFACE.

- DUCTILE IRON DRESSER STYLE SOLID SLEEVE OR TRANSITION COUPLING WITH STAINLESS STEEL BOLTS TO BE LOCATED NO LESS THAN TWO FEE' NOR GREATER THAN SIX FEET ON EACH SIDE OF THE NEW MANHOLE.

- 2. ALL CONNECTIONS TO BE MADE WITH CONICAL TYPE FLEXIBLE SEAL SUCH AS KOR-N-SEAL OR EQUAL.
- 3. ALL CHANNELS MUST BE HALF PIPE OR EPOXY COATED.
- 4. 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.



BOX MUST BE INSTALLED LEVEL WITH THE SURFACE - UNPAVED SURFACE

1. AT LEAST ONE CLEANOUT MUST BE PROVIDED ON EACH LATERAL.

2. A CLEANOUT WILL BE PROVIDED FOR EACH LATERAL BETWEEN THE CURB AND THE SIDEWALK. 3. IN GENERAL, OWNERSHIP AND MAINTENANCE OF LATERALS AND CLEANOUTS WILL BE THE RESPONSIBILITY

5. ALL CLEANOUTS LOCATED WITHIN PAVEMENT OR CONCRETE MUST BE PROTECTED WITH A CC-6 BOX.

OF THE PROPERTY OWNER. 4. THE LOCATION OF ALL CLEANOUTS MUST BE APPROVED BY THE TOWNSHIP PLUMBING DEPARTMENT.

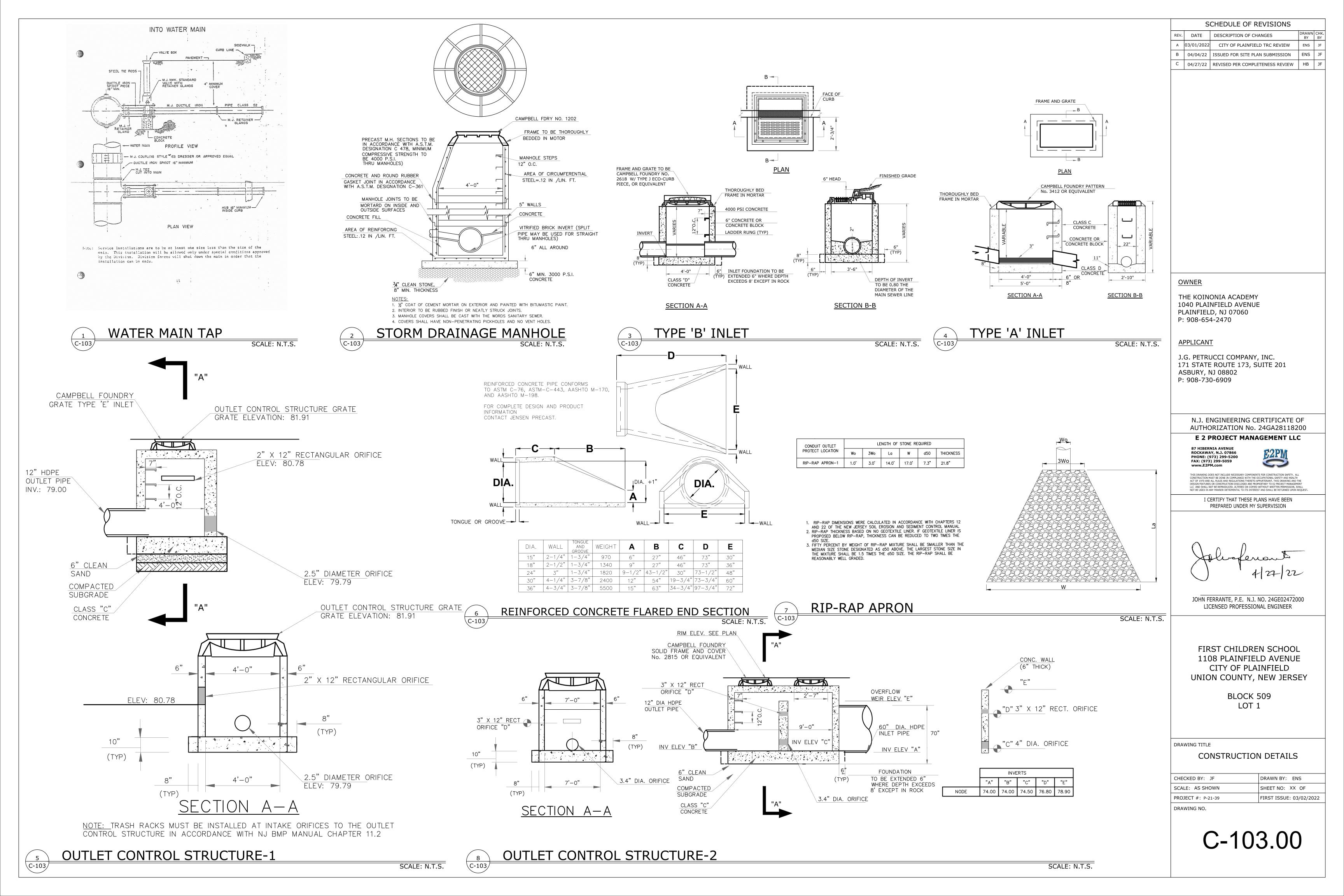
(1) (C-102)

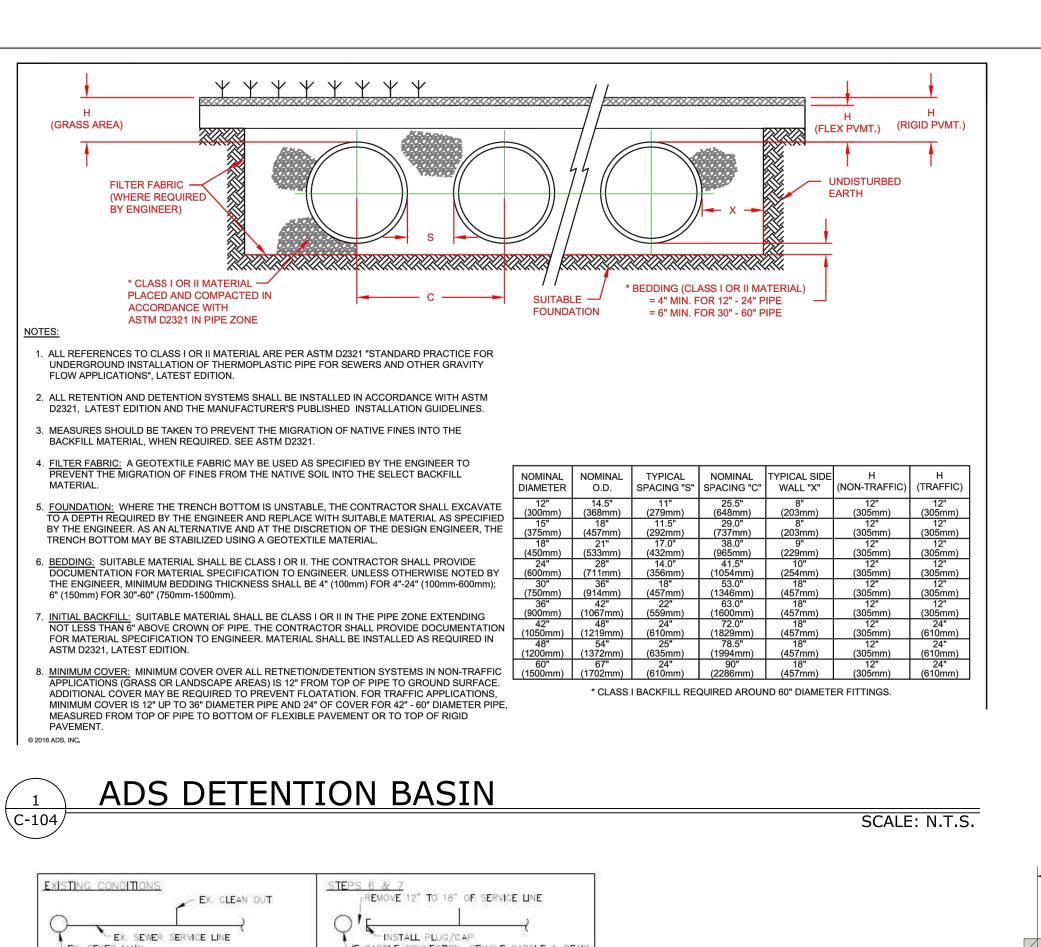
CLEANOUT DETAIL

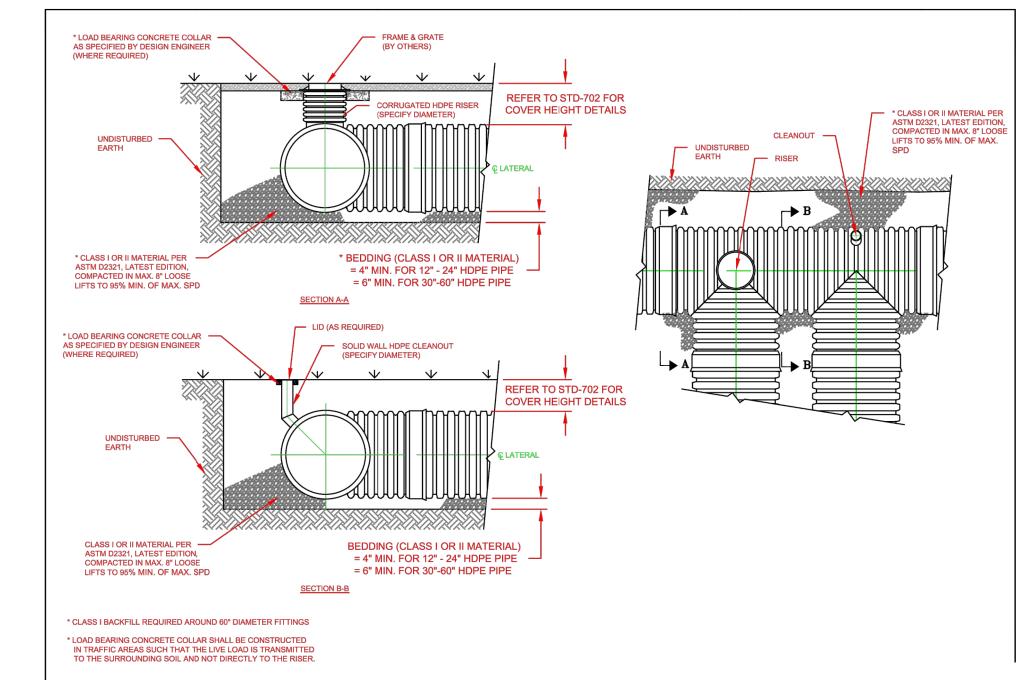
SANITARY MANHOLE

SCALE: N.T.S.

 $\binom{7}{\text{C-102}}$







- ALTERNATE INLET

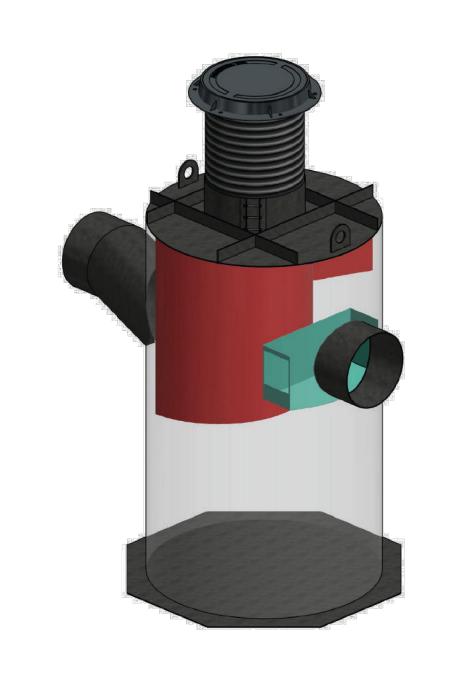
BYPASS

-ALTERNATE

OUTLET

WEIR

ADS DETENTION BASIN RISER



6.00

8.13

STRUCTURE WALL AND

NOT TO SCALE

CONTACT HYDRO

-RIM: VARIES

T.O.S.: VARIES

WEIR: 53.5 in

OUTLET: 24.0 in

SUMP: 0.0 in

-TRANSFER

[1359 mm]

[610mm]

[0 mm]

SLAB THICKNESSES ARE

INTERNATIONAL FOR A

ELEVATION PRIOR TO

SPECIFIC DRAWING

IN ALL AREAS

RIBBONS DEPTH

BOTTOM OF STRUCTURE

SETTING THE STRUCTURE

CONTACT HYDRO FOR SITE

NOT FOR CONSTURCION

NOT ALL SIZES AVAILABLE

SUMP DEPTH AVAILABLE IN

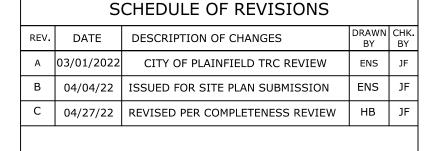
24" (610mm) CPZ, RIBBONS

AND 36" (914mm) LONG

AQUAL-SWIRL XCELERATOR MODEL XC-5

24.29

9.58



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

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

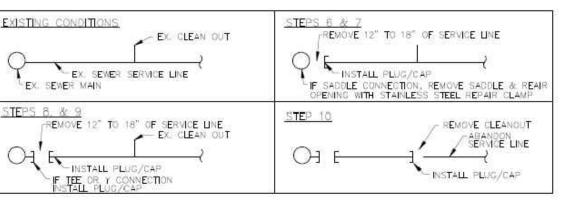
DRAWING TITLE

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-104.00



THE FOLLOWING SHALL BE THE MINIMUM NUMBER OF STEPS TAKEN TO ABANDON AN EXISTING SANITARY SERVICE. THE CONTRACTOR SHALL TAKE ANY AND ALL ADDITIONAL STEPS NECCESARY TO ENSURE WORKER AND PUBLIC SAFETY AND TO RETAIN THE INTEGRITY OF THE EXISTING SANITARY MAIN AND ANY AND ALL ADDITIONAL UNDERGROUND UTILITIES THAT MAY BE ENCOUNTERED. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CURRENT STANDARDS, RULES AND REGULATIONS PUT FORTH BY ALL THE APPLICABLE GOVERNMENTAL AGENCIES AND ENTITIES.

- THE WORK SITE(S) SHALL BE SECURED FROM PUBLIC ACCESS MA FENCING, BARRIERS, TRAFFIC CONTROL DEVICES/PERSONEL, ETC. THESE MEASURES SHALL BE TAILDRED TO MEET SITE—SPECIFIC CONDITIONS:
- 2. SAW-CUT AND REMOVE ANY ASPHALT OR CONCRETE PAVEMENT ABOVE THE LOCATION WHERE THE SANITARY SERVICE CONNECTS TO THE SEWER MAIN.
- 3. EXCAVATE DOWN TO A POINT JUST ABOVE THE EXISTING SEWER MAIN.

C-104

C-104

- 4. HAND DIG DOWN TO THE EXISTING SEWER MAIN AND EXPOSE THE SANITARY SEWER SERVICE CONNECTION. 5. THE CONTRACTOR SHALL VERIFY IF THE EXISTING SEWER SERVICE IS CONNECTED TO THE MAIN VIA A SADDLE CONNECTION.

- 7. CUT AND REMOVE 12 TO 18 INCHES OF THE SEWER SERVICE AND INSTALL A PLUG/CAP ON THE SEWER SERVICE TO BE ABANDONED. 8. IF THERE IS A TEE OR "Y" CONNECTION ON THE SEWER MAIN, INSTALL A PLUG/CAP ON THE OPENING OF THE TEE OR "Y" FITTING AS SPECIFIED BY THE L.T.M.U.A.
- 9. CUT AND REMOVE 12 TO 18 INCHES OF THE SEWER SERVICE AND INSTALL A PLUG/CAP ON THE SEWER SERVICE TO BE ABANDONED.
- 10. EXCAVATE DOWN TO (IN ACCORDANCE WITH STEPS 2 THRU 4 ABOVE) AND REMOVE THE EXISTING CLEANOUT, CUT THE SERVICE LINES RUNNING INTO AND OUT OF THE CLEANOUT, INSTALL A PLUG/CAP-IN THE END OF THE ABANDONED SERVICE LINE LEADING TO THE EXISTING SANITARY SEWER MAIN.
- 11 BACKFILL AND COMPACT THE EXCAVATIONS IN 8 INCH LIFTS IN ACCORDANCE TO THE L.T.M.U.A. STANDARDS.
- 12. REPAIR ANY REMOVED PAVEMENT MATERIALS IN ACCORDANCE TO THE APPLICABLE CURRENT STANDARDS. 13. REMOVE ALL TEMPORARY MEASURES INSTALLED IN ACCORDANCE WITH STEP 1 ABOVE.

2" X 12" PRESSURE TREATED FRAME TO HOLD STONE FRAME OUT 116" X 116"

0

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0

ABANDONMENT OF EXISTING SANITARY SEWER

AREA FOR PRIMARY

CONDUITS BY

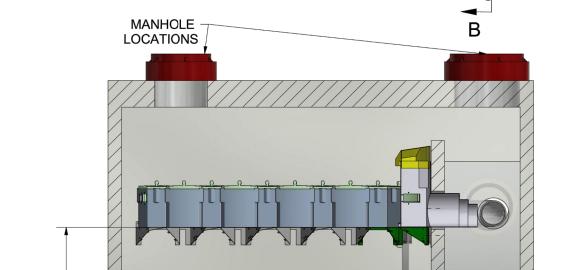
CUSTOMER

AREA FOR

SECONDARY

CONDUITS BY CUSTOMER

<u>6" Ø PIPE BOLLARD</u>



— ALTERNATE INLET FOR

EXTERNAL BYPASS

(NOTE 5)

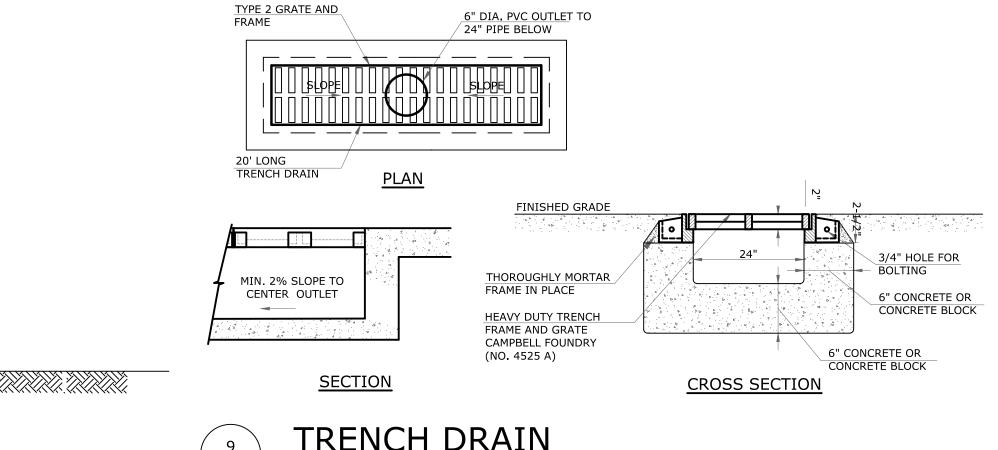
C-104

[3.66 M]

VARIABLE HEIGHT PER

SECTION A-A HYDRO-INTERNATIONAL UP-FLOW FILTER 80% TSS REMOVAL

OUTLET BAY— INLET BAY—



2" X 2" #12 GAUGE WELDED WIRE MESH OR EQUIVALENT WOOD BOARD 3/4" CLEAN CRUSHED STONE

\C-104

TRENCH DRAIN C-104/ STORMWATER ROOFLEADER CONNECTION

SCALE: N.T.S.

HYDRANT

\C-104,

SCALE: N.T.S.

-6" HYDRANT MJ (TO BE

SEE NOTE 1

SEE NOTE 2

SET PLUMB)

SCALE: N.T.S

5/8" X 8' GROUND

ROD

SECTION A-A

6" GATE VALVE MJ -

 CONCRETE THRUST BLOCKING WITH A MINIMUM 1½ SQ FT BEARING AREA. CONCRETE TO BE CLASS A, 3,000 PSI. A MINIMUM OF 2 CUBIC FEET OF 1" TO 2" CLEAN, CRUSHED GRAVEL OR STONE SHALL BE PLACED AROUND THE BOTTOM OF THE HYDRANT FOR A RADIUS OF AT LEAST 10" AND EXTEND 10" ABOVE THE OUTLET. DO NOT BLOCK DRAIN HOLES.

6" DI PIPE WITH-

RESTRAINTS

8.13

FINISHED GRADE-

VALVE BOX AND LID —

6" PVC PIPE-

ANCHOR TEE AT WATER — MAIN

ELECTRICAL VEHICLE CHARGING STATION

TRANSFORMER PAD DETAIL

10" OPEN AREA

2-4" PVC 90° / SWEEPS 36"

AND CONDUIT

TO EXTEND 18"

BEYOND PAD

RADIUS