

CHAIRMAN OF PLANNING BOARD

SECRETARY OF PLANNING BOARD

TOWNSHIP ENGINEER



PROJECT NUMBER: 210298
INSTALLATION OF ELECTRIC VEHICLES CHARGING EQUIPMENT
UBP CEDAR HILLS SHOPPING CENTER
525 CEDAR HILL AVE
WYCKOFF, NJ 07481



ELECTRIFY AMERICA, LLC.
2003 EDMUND HALLEY DRIVE
SUITE 200
RESTON, VA 20191



KIMLEY-HORN AND ASSOCIATES, INC.
902 CARNEGIE CENTER BLVD., SUITE
140, PRINCETON, NJ 08540
PHONE: 609-681-2428
WWW.KIMLEY-HORN.COM

CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:

CEDAR HILLS
SHOPPING
CENTER

525 CEDAR HILL AVE
WYCKOFF, NJ 07481

T.W. DIGGAN

Professional Engineer signature and stamp

SHEET DESCRIPTION:
COVER SHEET AND
PROJECT INFORMATION

Project #: NJ210298

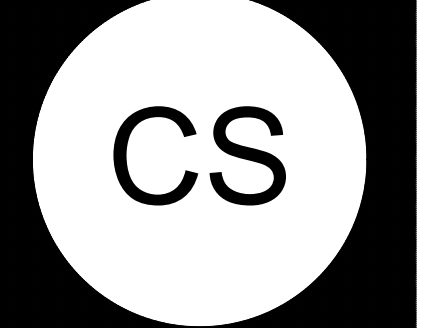
File: CONSTRUCTION DOCUMENTS

Drawn by: JRI

Date(s): 06/22/2020

07/28/2020 REV #1 CD90 PLANS

08/11/2020 REV #2 CD100 PLANS



SITE INFORMATION

EV SITE ADDRESS:
525 CEDAR HILL AVE
WYCKOFF, NJ 07481
PROPERTY OWNER:
UB WYCKOFF I, LLC
COUNTY:
BERGEN COUNTY
LATITUDE (NAD83):
40°59'13.8"N
LONGITUDE (NAD83):
74°10'06.8"W
EQUIPMENT SUPPLIER/APPLICANT:
ELECTRIFY AMERICA, LLC.
2003 EDMUND HALLEY DRIVE SUITE 200
RESTON, VIRGINIA 20191
DEVON.VLASIN@ELECTRIFYAMERICA.COM
(571) 352-5513
CONTACT ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
TONY.DIGGAN@KIMLEY-HORN.COM
P: 609-681-2428
TONY DIGGAN, P.E.
POWER COMPANY:
PSE&G
PETER CZAJKA
E: PETER.CZAJKA@PSEG.COM

BENCHMARK & BASIS OF BEARING

BENCHMARK: MAG NAIL SET IN ASPHALT PAVEMENT ELEVATION: 341.58' (NAVD 88)
BASIS OF BEARINGS: GRID NORTH, STATE PLANE COORDINATE SYSTEM, NAD83, NEW JERSEY ZONE

APPLICABLE CODES

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BUILDING/DWELLING, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND FIRE/LIFE SAFETY CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LOCAL GOVERNING AUTHORITY CODES.
• NEC ADOPTED CODE: 2017

ZONING INFORMATION

PROPERTY INFORMATION: BLOCK: 391 LOT: 42.01
PERMITTING JURISDICTION: TOWNSHIP OF WYCKOFF
ZONING CLASS: B-2, NEIGHBORHOOD BUSINESS
ADJOINING PROPERTY ZONES: RC-25, CLUSTER OPTION RESIDENCE

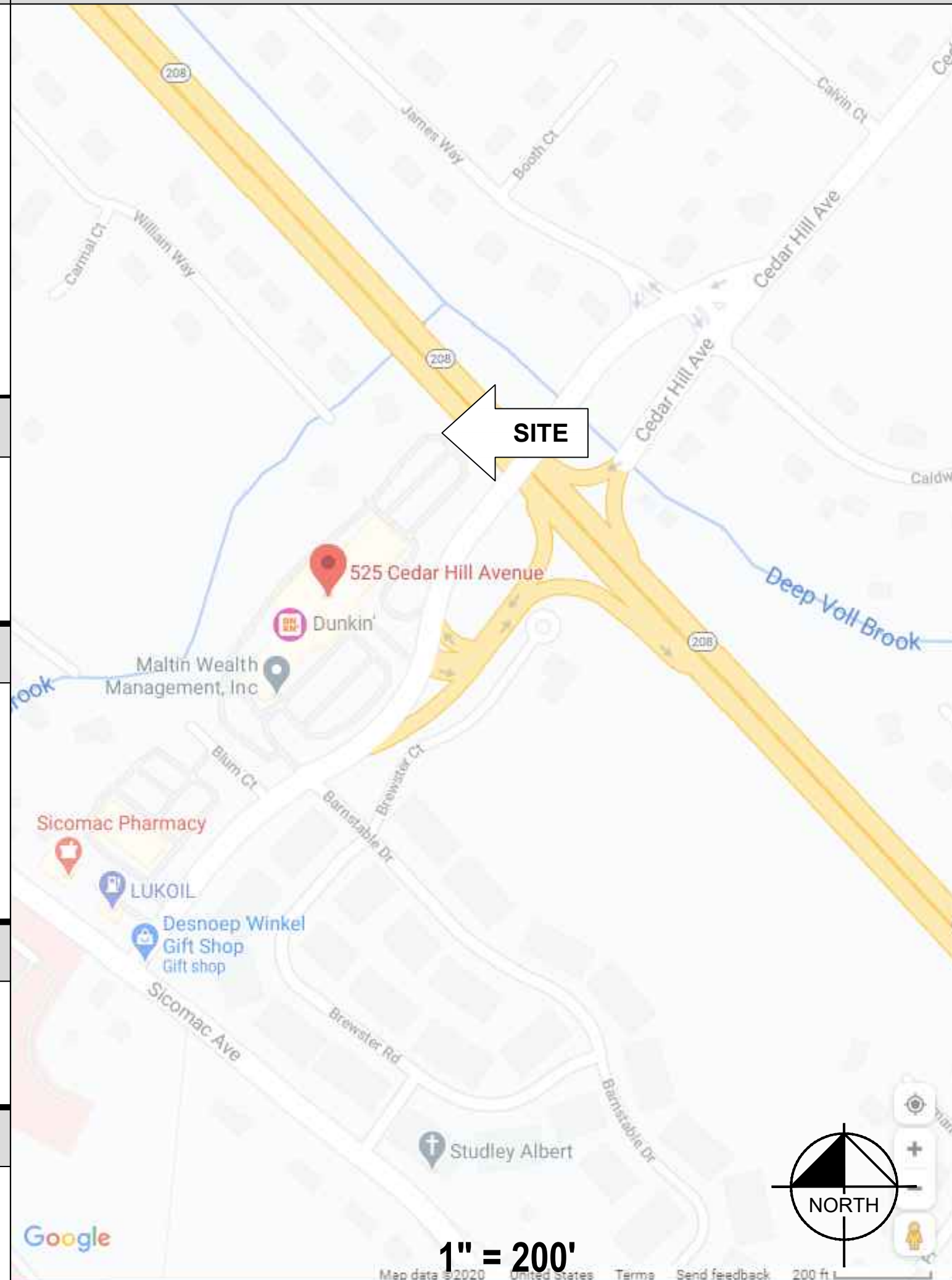
FLOOD HAZARD AREA NOTE

THIS SITE IS LOCATED IN FLOOD ZONE "X" PER FEMA FLOOD MAP FIRM 34003C 0156J EFFECTIVE DATE 08/28/2019.

CONTRACTOR NOTE

CONTRACTOR SHALL COMPLETE INSTALL PER THE SIGNED AND THE SEALED SET OF DRAWINGS. ANY NECESSARY DEVIATIONS FROM THE DRAWINGS MUST BE SUBMITTED THROUGH AN RFI REQUEST PROCESS WITH ELECTRIFY AMERICA AND KIMLEY-HORN FOR AN APPROVAL PRIOR TO CONTRACTOR PROCEEDING WITH A DEVIATION OF THE SIGNED AND SEALED SET OF DRAWINGS.

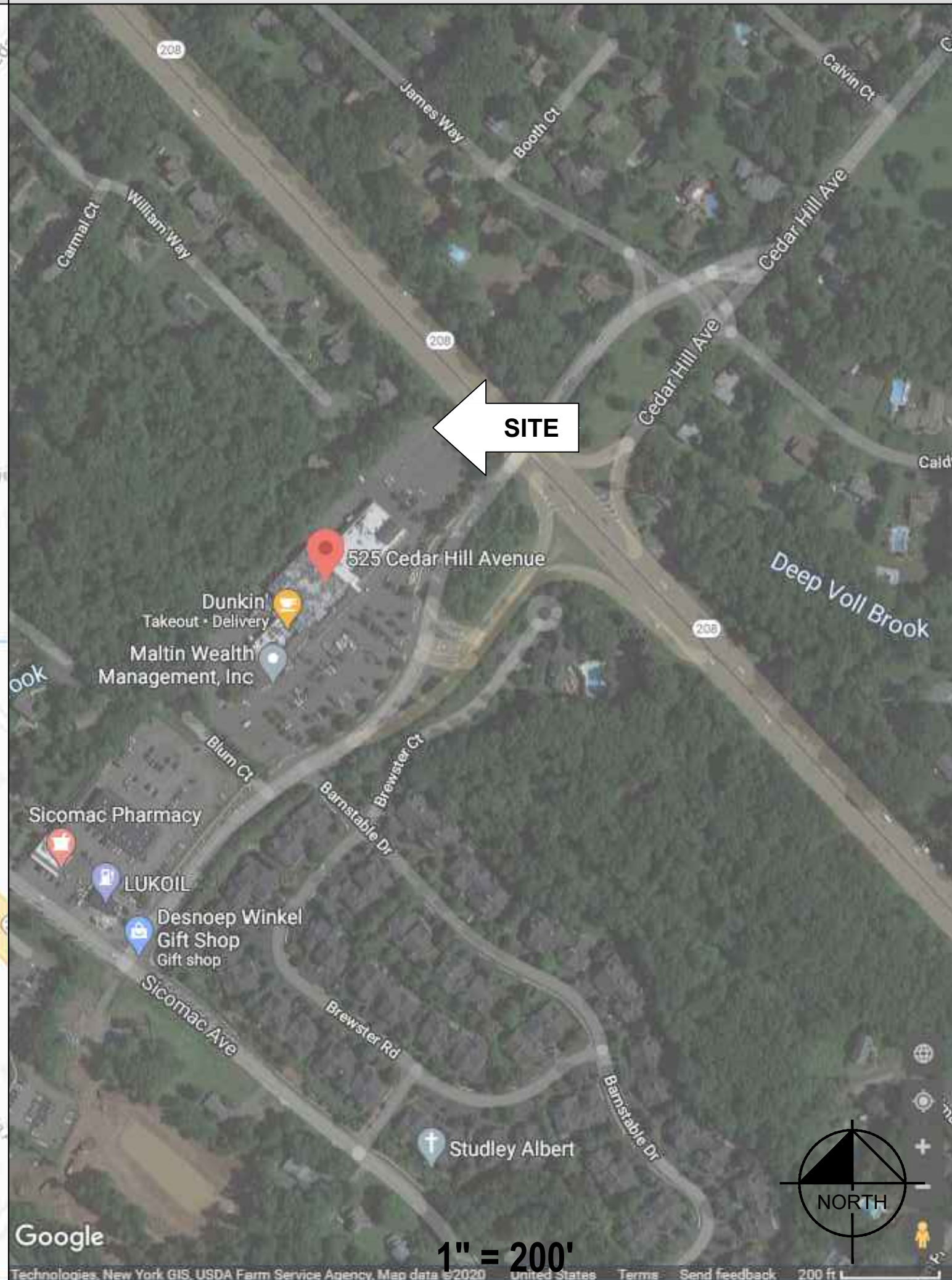
VICINITY MAP



CALL BEFORE YOU DIG

UNDERGROUND SERVICE ALERT
UTILITY NOTIFICATION CENTER OF NEW JERSEY
811 OR 1-800-272-1000
3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

AERIAL MAP



DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

PROJECT DESCRIPTION

- INSTALL (1) UTILITY TRANSFORMER
INSTALL (1) SWITCHBOARD ASSEMBLY
INSTALL (4) 150 KW SIGNET DISPENSERS
INSTALL (4) 150 KW SIGNET POWER UNITS
INSTALL (1) LIGHT POLE AND BASE FIXTURE (LITHONIA KAX1 LED P1 50K LUMINAIRE)

DRAWING INDEX

Table with 3 columns: SHEET NO., SHEET TITLE, REV NO.
Rows include: CS COVER SHEET & PROJECT INFORMATION, GN-1 GENERAL NOTES, GN-2 GENERAL NOTES, GN-3 GENERAL NOTES, C-1 OVERALL SITE PLAN, C-2 DEMOLITION PLAN, C-3 ENLARGED SITE PLAN, C-4 ENLARGED EQUIPMENT LAYOUT, C-5 SITE ELEVATION, C-6 GRADING PLAN, E-1 UTILITY PLAN, E-2 ELECTRICAL PLAN, E-3 SINGLE LINE DIAGRAM, E-4 ELECTRICAL DETAILS, E-5 ELECTRICAL DETAILS, E-6 PHOTOMETRIC PLAN, D-1 DETAILS, D-2 DETAILS, D-3 DETAILS, D-4 DETAILS, D-5 DETAILS

FOR REFERENCE ONLY DRAWINGS

PROPERTY SURVEY

STAGING PLAN

ENGINEER OF RECORD

TONY DIGGAN
PE NUMBER: 4447300
KIMLEY-HORN AND ASSOCIATES, INC.

K:\DEN_CIVIL\096867000_ELECTRIFY_AMERICA\N210298 - UBP CEDAR HILLS SHOPPING_CTR (WYCKOFF, NJ)\CADD\PLANSHEETS\COVER SHEET AND PROJECT INFO.DWG

K:\DEN_CIVIL\098687000_ELECTRIFY_AMERICA\N210298 - UBP_CEDAR_HILLS SHOPPING_CTR (WYCKOFF, NJ)\CADD\PLANSHEETS\COVER SHEET AND PROJECT INFO.DWG

GENERAL CONSTRUCTION NOTES

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY
 GENERAL CONTRACTOR: SAI CONSTRUCTION
 OWNER: ELECTRIFY AMERICA
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS.
 - THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
 - ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
 - ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
 - UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
 - PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
 - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
 - IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
 - THE GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
 - CONSTRUCTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE.
 - WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
 - THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
 - THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
 - THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
 - THE GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
 - THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
 - THE CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A:10-B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
 - ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. THE CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.

GENERAL CONSTRUCTION NOTES CONT.

- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
- THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
- ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
- ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
- THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
- THE CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
- THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
- NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
- CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
- THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

ELECTRICAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY 'CONSTRUCTION MANAGER' AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE 'CONSTRUCTION MANAGER' HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. THE CONDITION OF EXISTING ELECTRICAL EQUIP., LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTAL OF HIS BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT NOT BE LIMITED TO:
 - UL - UNDERWRITERS LABORATORIES
 - NEC - NATIONAL ELECTRICAL CODE ***
 - NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
 - OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
 - SBC - STANDARD BUILDING CODE
 - NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
- DO NOT SCALE ELECTRICAL DRAWINGS, REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, BUT CONFIRM WITH 'CONSTRUCTION MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED.
- EXISTING SERVICES: THE CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
- THE CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. THE CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING THE EQUIPMENT.
- THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.

ELECTRICAL NOTES CONT.

- THE CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC. ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.
- CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER OR ALUMINUM WITH TYPE (THWN-2) INSULATION, 600 VOLT, COLOR CODED UNLESS SPECIFIED DIFFERENTLY ON DRAWINGS.
- ALL (THWN-2) WIRING INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER. CONTRACTOR IS TO PROVIDE ALL ELECTRICAL EQUIPMENT UNLESS OTHERWISE DIRECTED.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
- THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
- ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
- PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
- TRENCHING AND BACKFILL: THE CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO GENERAL SITE WORK NOTES.
- MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEEE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURERS CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE 'CONSTRUCTION MANAGER' UPON FINAL ACCEPTANCE.
- THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES.
- DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
- ALL CONNECTIONS EXCEPT THE EV CHARGE CABLE TERMINATION IN THE CHARGE POST SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NOALOX" BY IDEAL INDUSTRIAL INC., COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED ALUMINUM & COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
- ALL EXTERIOR AND INTERIOR ABOVE GROUND CONDUIT SHALL BE RIGID UNLESS SPECIFIED OTHERWISE. ALL BURIED CONDUITS SHALL BE SCH 40 PVC UNLESS SPECIFIED OTHERWISE.
- RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC, MEETING OR EXCEEDING NEMA TC2 - 1990. THE CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 3 FT. RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITE ZINC' OR 'GOLD GALV'.
- SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
- CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
- THE CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL SERVICE CONDUITS. CAUTION TAPE TO READ "CAUTION BURIED ELECTRIC".
- WHEN DIRECTIONAL BORING IS REQUIRED, CONTRACTOR SHALL INSTALL A LOOSE TONING WIRE WITHIN INSTALLED CONDUIT TO ALLOW FOR IDENTIFICATION OF UNDERGROUND CONDUITS.
- ALL BOLTS SHALL BE STAINLESS STEEL.
- ALL MATERIALS AND EQUIPMENT SUPPLIED AND INSTALLED BY THE CONTRACTOR SHOULD BE NEW AND UNUSED.



ELECTRIFY AMERICA, LLC,
2003 EDWIND HALLEY DRIVE
SUITE 200
RESTON, VA 20191



KIMLEY-HORN AND ASSOCIATES, INC.
902 CARNEGIE CENTER BLVD., SUITE
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CERTIFICATE OF AUTHORIZATION No. 24GA2803930

Job Name:
**CEDAR HILLS
SHOPPING
CENTER**

525 CEDAR HILL AVE
WYCKOFF, NJ 07481

T.W. DIGGAN

T.W. Diggan
08/29/2020
PROFESSIONAL ENGINEER
NEW JERSEY LICENCE NO. 4447300

SHEET DESCRIPTION:
GENERAL NOTES

Project #: N210298
File: CONSTRUCTION DOCUMENTS
Drawn by: JRI
Date(s): 06/22/2020
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GENERAL SITE WORK NOTES

PART 1 - GENERAL

CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.

1. REFERENCES:
 - A. NEW JERSEY DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-CURRENT EDITION).
 - B. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS).
 - C. OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).
2. INSPECTION AND TESTING:
 - A. GENERAL CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. PERFORM INSPECTIONS BEFORE CONCEALING WORK WITH FOLLOW-ON ACTIVITIES (BACKFILL, CONCRETE POUR, ETC).
3. SITE MAINTENANCE AND PROTECTION:
 - A. PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE CONTRACT.
 - B. AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
 - C. KEEP SITE FREE OF ALL PONDING WATER.
 - D. PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT, LOCAL PERMITTING AGENCY AND EPA REQUIREMENTS.
 - E. PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
 - F. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE CONSTRUCTION MANAGER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.
 - G. PROVIDE A MINIMUM 48-HOUR NOTICE TO THE CONSTRUCTION MANAGER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.
 - H. SOD PLANTED IN THE FALL MUST ESTABLISH ITS ROOTS BEFORE THE FIRST WINTER FROST. DETERMINE WHEN THE FIRST FROST USUALLY OCCURS, AND PLANT THE SOD NO LATER THAN ONE MONTH BEFORE THE FIRST FROST. IF THE CONSTRUCTION IS FINISHED LATER THAN ONE MONTH BEFORE THE FIRST FROST, USE STRAW UNTIL SOD CAN BE INSTALLED.

PART 2 - PRODUCTS

1. SUITABLE MATERIAL – SUITABLE MATERIAL ARE USED FOR GRADING AND BACKFILL. SUITABLE MATERIALS ARE ON SITE SOILS REMOVED FROM EXCAVATIONS THAT EXCLUDE FROZEN SOIL, ROOTS OR ORGANIC MATERIAL, DEBRIS, TRASH, REFUSE, OR PARTICLES SIZE GREATER THAN 3-INCH. SUITABLE SOILS HAVE MOISTURE CONTENTS THAT ALLOW THEM TO BE COMPACTED TO THE SAME DENSITY AS THE NATIVE SOILS.
2. UNSUITABLE MATERIAL – SOILS THAT ARE FROZEN, CONTAIN ROOTS OR ORGANIC MATERIAL, DEBRIS, TRASH, REFUSE, OR PARTICLES SIZES GREATER THAN 3-INCH. SOILS THAT ARE TOO WET OR TOO DRY TO BE COMPACTED TO THE SAME DENSITY AS THE NATIVE SOILS ARE UNSUITABLE.
3. GRANULAR BACKFILL – SHALL MEET THE FOLLOWING GRADATION

SIEVE SIZE	TOTAL PERCENT PASSING
1 1/2 INCH (37.5 MM)	100
NO. 4 (4.75 MM)	30 TO 60
NO 200 (0.075 MM)	3 TO 15

4. GRANULAR BEDDING – WELL-GRADED SAND MEETING THE GRADATION REQUIREMENT OF ASTM C 33 FINE AGGREGATE.
5. CONTROLLED LOW STRENGTH MATERIAL (CLSM)– A SELF LEVELING AND SELF COMPACTING CEMENTITIOUS MATERIAL COMPOSED OF SAND, COARSE AGGREGATE, CEMENT, FLY ASH, WATER AND ADMIXTURES. CLSM SHALL BE EXCAVATABLE AND SHALL HAVE A DESIGNED UNCONFINED COMPRESSIVE STRENGTH OF BETWEEN 50 TO 100 PSI.
6. BACKFILL – PRODUCTS MEETING THE REQUIREMENTS OF SUITABLE MATERIAL, GRANULAR BEDDING, GRANULAR BACKFILL OR CLSM.
7. TOPSOIL – SOIL WITH AN ORGANIC CONTENT SUFFICIENT TO ALLOW VEGETATIVE GROWTH.

GENERAL SITE WORK NOTES CONT.

PART 3 - EXECUTION

1. GENERAL:
 - A. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ALL TIMES.
 - B. BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK. CONDUCT UTILITY LOCATE IN ACCORDANCE WITH THE ONE-CALL NOTIFICATION CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED.
 - C. REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE, RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.
 - E. REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS. SUFFICIENT TOPSOIL MAY BE STOCKPILED ON SITE FOR USE DURING FINAL SITE GRADING.
 - F. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE MATERIAL.
 - G. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.
 - H. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
 - I. SEPARATE AND STOCK PILE ALL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.
 - J. DURING EXCAVATION, THE CONTRACTOR SHALL PROVIDE SHORING, SHEETING, AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF EXCAVATION.
2. BACKFILL:
 - A. AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.
 - B. PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.
 - C. DO NOT PLACE FROZEN MATERIAL IN AS BACKFILL.
 - D. PLACE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8-INCHES LOOSE THICKNESS AND COMPACT TO THE SAME DENSITY AS NATIVE SOIL. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED.
 - E. WHENEVER TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE CONSTRUCTION MANAGER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE COMPACTION REQUIREMENTS.
3. TRENCH EXCAVATION:
 - A. UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS.

GENERAL SITE WORK NOTES CONT.

- B. EXTEND THE TRENCH WIDTH A MINIMUM OF 6 INCHES BEYOND THE OUTSIDE EDGE OF THE OUTERMOST CONDUIT.
- C. WHEN SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, EXCAVATE THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION, THEN BACKFILL WITH 12" OF GRANULAR BEDDING MATERIAL.
4. TRENCH BACKFILL:
 - A. PROVIDE GRANULAR BEDDING MATERIAL OR FLOWABLE FILL IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY REQUIREMENTS.
 - B. NOTIFY THE GENERAL CONTRACTOR 24 HOURS IN ADVANCE OF BACKFILLING.
 - C. CONDUCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE ACCEPTANCE TESTING.
 - D. PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6-INCH UNCOMPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACE AROUND CONDUITS.
 - E. PROTECT CONDUIT FROM LATERAL MOVEMENT, IMPACT DAMAGE, OR UNBALANCED LOADING.
 - F. ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN 8-INCH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE.
 - G. COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING UNDISTURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH.
5. FINISH GRADING:
 - A. PERFORM ALL GRADING TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.
 - B. UTILIZE SATISFACTORY FILL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.
 - C. REPAIR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.
6. ASPHALT PAVING ROAD:
 - A. CONTRACTOR RESPONSIBLE FOR RE-STRIPING AND APPLYING SEALCOATING, UNLESS OTHERWISE NOTED.
 - B. NEW JERSEY DOT STANDARD SPECIFICATION, CURRENT EDITION.
7. STAGING:
 - A. WORK / STAGING AREA TO BE CONFIRMED AT PRE-CONSTRUCTION SITE MEETING AND SURROUNDED BY TEMPORARY FENCE (SEE DETAIL BELOW) DURING CONSTRUCTION.
 - B. POSSIBLE LOCATION FOR TEMPORARY DRIVE AISLE CLOSURE DURING CONSTRUCTION.
 - C. CONTRACTOR TO PROVIDE TEMPORARY SIGNS TO DIRECT TRAFFIC FLOW.
 - D. SHORT TERM FENCING TO BE PROVIDED OUTSIDE OF TEMPORARY FENCE FOR ANY OPEN TRENCHES LEFT OVER NIGHT OR UNATTENDED.
 - E. TEMPORARY FENCE SHALL BE CLOSED AND LOCKED AT ALL TIMES. IF GATE MUST BE OPEN FOR MOVING EQUIPMENT OR MATERIALS, A SPOTTER SHALL BE PROVIDED TO TO PREVENT UNAUTHORIZED ENTRY.
 - F. NO EQUIPMENT OR MATERIALS SHALL BE STORED OUTSIDE THE TEMPORARY FENCE FOR ANY AMOUNT OF TIME.

FIBER OPTIC NOTES

USE CABLE WITH THE FOLLOWING MINIMUM PROPERTIES:

1. HIGH TENSILE STRENGTH >150 LB
2. TIGHT BUFFERED
3. INDOOR / OUTDOOR UV AND MOISTURE RESISTANT " RISER " CABLE
4. CONNECTOR TYPE: ST-ST
5. FIBER TYPE: MULTI-MODE 6-FIBER (3 PAIR) 62.5UM. 6 CONNECTORS ON BOTH ENDS.
6. JACKET: INDOOR/OUTDOOR RISER, BLACK
7. BREAKOUT: SIDE A: INNER END - 24 INCHES WITH 2MM FURCATION
 - 7.A. SIDE B: OUTER END - 24 INCHES - 2MM FURCATION - STAGGERED EVERY 1"
8. WITH PULLING EYE ON SIDE B (OUTER END) AND SPOOL REEL



ELECTRIFY AMERICA, LLC,
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CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:

CEDAR HILLS SHOPPING CENTER

525 CEDAR HILL AVE
WYCKOFF, NJ 07481

T.W. DIGGAN

T.W. Diggan
08/29/2020

PROFESSIONAL ENGINEER
NEW JERSEY LICENCE No. 4447300

SHEET DESCRIPTION:
GENERAL NOTES

Project #: NJ210298

File: CONSTRUCTION DOCUMENTS

Drawn by: JRI

Date(s): 06/22/2020

07/28/2020 REV #1 CD90 PLANS

08/11/2020 REV #2 CD100 PLANS

GN-2

STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS, UNLESS NOTED OTHERWISE: WIDE FLANGE SHAPE: A992, 50KSI
ANGLE AND CHANNEL SHAPE: ASTM A36, 36 KSI PLATE: ASTM A36, 36KSI
PIPE: ASTM A53 GRADE B, 35 KSI
HSS: ASTM A500 GRADE B, 46KSI
- HIGH-STRENGTH BOLTS SHALL CONFORM TO ASTM A325: ONE HIGH-STRENGTH BOLT ASSEMBLY SHALL CONSIST OF A HEAVY HEX STRUCTURAL BOLT, A HEAVY NUT, A HARDENED WASHER CONFORMING TO ASTM F436. THE HARDENED WASHER SHALL BE INSTALLED AGAINST ELEMENT TURNED IN TIGHTENING. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS.
- WELDING ELECTRODES SHALL COMPLY WITH AWS D1.1 USING A5.1 OR A5.5 E70XX AND SHALL BE COMPATIBLE WITH THE WELDING PROCESS SELECTED. WELDERS SHALL BE QUALIFIED AS PRESCRIBED IN AWS D1.1.
- UNLESS NOTED OTHERWISE ON THE DRAWING, ALL ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 WITH HEAVY HEXAGONAL NUT.
- FABRICATE ITEMS OF STRUCTURAL STEEL IN ACCORDANCE WITH AISC SPECIFICATION.
- ALL EXPOSED STRUCTURAL STEEL AND BOLTS SHALL BE HOT DIP GALVANIZED PER ASTM A123.
- SUBMIT FABRICATION AND ERECTION DRAWINGS SHOWING ALL DETAILS, CONNECTIONS, MATERIAL DESIGNATIONS, AND TOP STEEL ELEVATIONS FOR APPROVAL. THE SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL CONFORMANCE TO THE CONTRACT DRAWINGS. SUCH APPROVAL SHALL NOT RELIEVE THE FABRICATOR/CONTRACTOR OF THE RESPONSIBILITY FOR EITHER THE ACCURACY OF THE DETAILED DIMENSIONS IN THE SHOP AND ERECTION DRAWINGS OR THE GENERAL FIT-UP OF PARTS THAT ARE TO BE ASSEMBLED IN THE FIELD.
- PRIMER SHALL BE RED OXIDE-CHROMATE PRIME COMPLYING WITH STEEL STRUCTURES PAINTING COUNCIL (SSPC) PAINT SPECIFICATION NUMBER 11

ANCHORAGE INSTALLATION NOTES

- DRILLING THROUGH EXISTING SLAB REBAR DURING POST-INSTALLED ANCHOR BOLTS INSTALLATION IS NOT PERMITTED.
- POST-INSTALLED ANCHOR BOLT INSTALLATION SHALL BE PERFORMED BY PERSONNEL TRAINED TO INSTALL THE SYSTEM PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII), AS INCLUDED IN THE ANCHOR PACKAGING.
- EXPANSION AND ADHESIVE ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS USING STANDARD EMBEDMENTS AND EDGE DISTANCES UNLESS NOTED OTHERWISE ON THE DRAWINGS.

REINFORCED CONCRETE NOTES

- CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI IN 28 DAYS UNLESS OTHERWISE NOTED CONTINUOUS INSPECTION IS NOT REQUIRED. SLUMP: 4" MIN / 6" MAX.
i. AIR ENTRAINMENT: 4 1/2% - 7% BY VOLUME
- REINFORCEMENT SHALL BE A NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 GRADE 60, MAXIMUM COARSE AGGREGATE SIZE SHALL BE 3/4".
- REINFORCEMENT SHALL COMPLY WITH THE LATEST EDITION OF ACI 318 FOR MINIMUM CLEARANCES AND CONCRETE COVER.
- ALL EMBEDDED ITEMS SHALL BE SECURELY HELD IN POSITION PRIOR TO PLACEMENT OF CONCRETE. ALL CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.
- MAINTAIN TEMPERATURE OF CAST IN PLACE CONCRETE BETWEEN 50 DEGREES AND 90 DEGREES FAHRENHEIT.
- DO NOT USE RETEMPERED CONCRETE, OR ADD WATER TO READY-MIX CONCRETE AT THE JOB SITE
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.7.
- EXCEPT AS DETAILED OR AUTHORIZED, MAKE BARS CONTINUOUS AROUND CORNERS WHERE PERMITTED, SPLICES MADE BY CONTACT LAPS SHALL BE CLASS "B" TENSION LAPS UNLESS NOTED OTHERWISE.
- DETAIL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL", PUBLICATION SP-66 AND " BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" , ACI 318.
- PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING.
- EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS WHERE THE CONCRETE PAD ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES, AND AS SHOWN ON APPROVED PLANS. EXPANSION JOINTS SHALL BE FORMED WITH ONE-HALF INCH PRE-FABRICATED NON-EXTRUDING FILLER AND SHALL EXTEND THE FULL DEPTH OF THE SLAB.

GROUNDING NOTES

- COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).
- ALL BELOW GRADE BONDS TO BE EXOTHERMIC WELDS OR IRREVERSIBLE COMPRESSION-TYPE CONNECTIONS LISTED FOR USE IN THE APPLICATION WHICH THEY ARE INSTALLED.
- ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- 2014 NEC 250.121 EXCEPTION: A WIRE-TYPE EQUIPMENT GROUNDING CONDUCTOR INSTALLED IN COMPLIANCE WITH 250.6(A) AND THE APPLICABLE REQUIREMENTS FOR BOTH THE EQUIPMENT GROUNDING CONDUCTOR AND THE GROUNDING ELECTRODE CONDUCTOR IN PARTS II, III, AND VI OF THIS ARTICLE SHALL BE PERMITTED TO SERVE AS BOTH AN EQUIPMENT GROUNDING CONDUCTOR AND A GROUNDING ELECTRODE CONDUCTOR.



**electrify
america**

ELECTRIFY AMERICA, LLC.
2003 EDMUND HALLEY DRIVE
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Kimley»Horn

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CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:

**CEDAR HILLS
SHOPPING
CENTER**

525 CEDAR HILL AVE
WYCKOFF, NJ 07481

T.W. DIGGAN

PROFESSIONAL ENGINEER
NEW JERSEY LICENCE No. 4447300

SHEET DESCRIPTION:
GENERAL NOTES

Project #: NJ210298

File: CONSTRUCTION DOCUMENTS

Drawn by: JRI

Date(s): 06/22/2020

07/28/2020 REV #1 CD90 PLANS

08/11/2020 REV #2 CD100 PLANS

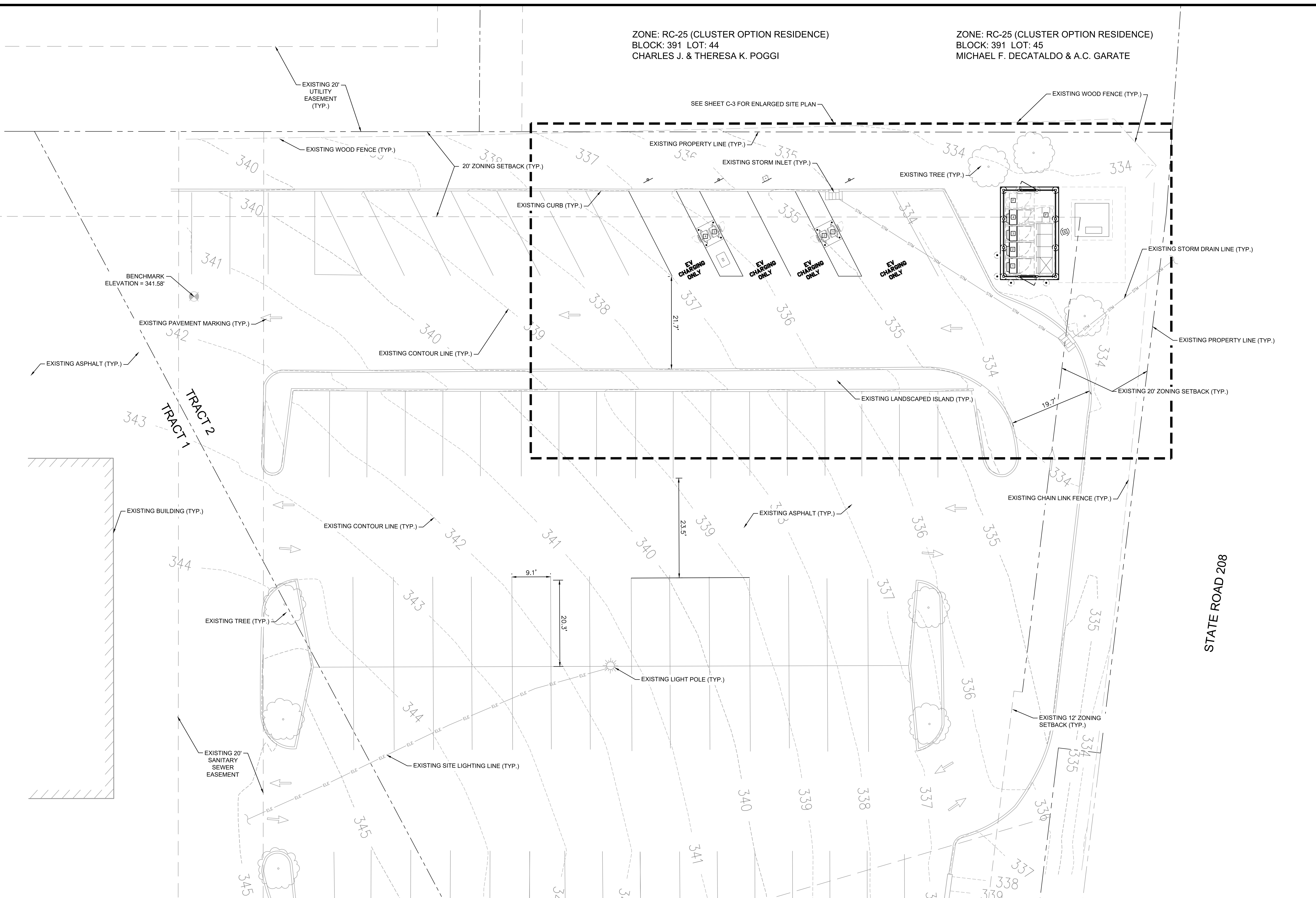
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ZONE: RC-25 (CLUSTER OPTION RESIDENCE)
BLOCK: 391 LOT: 44
CHARLES J. & THERESA K. POGGI

ZONE: RC-25 (CLUSTER OPTION RESIDENCE)
BLOCK: 391 LOT: 45
MICHAEL F. DECATALDO & A.C. GARATE

SEE SHEET C-3 FOR ENLARGED SITE PLAN



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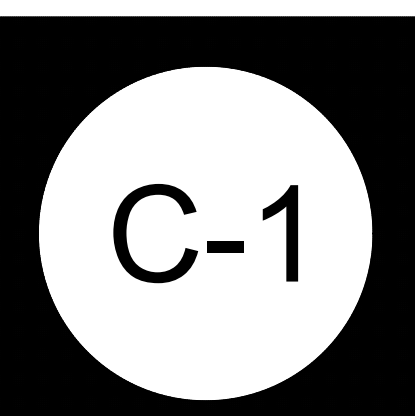
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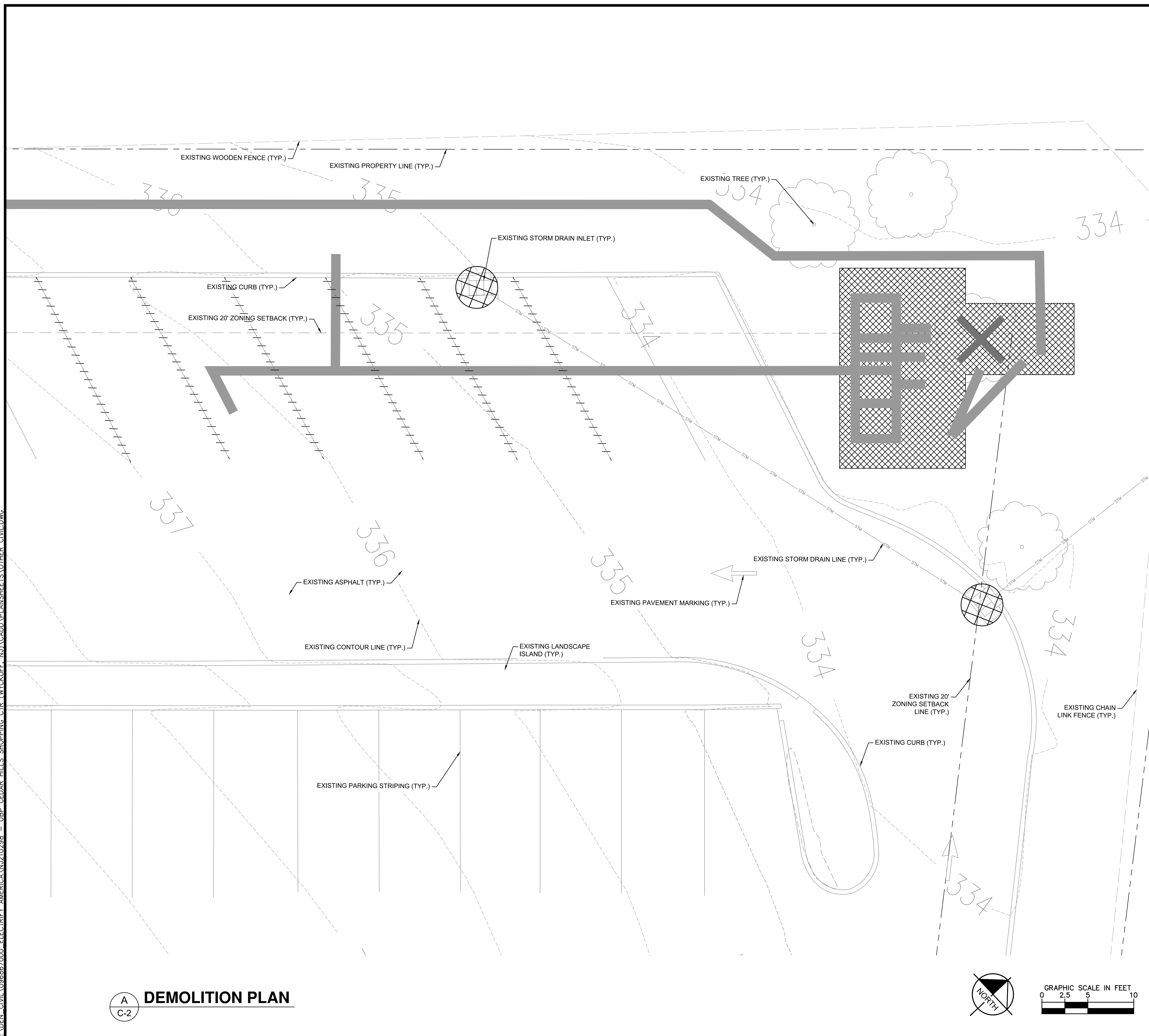
SHEET DESCRIPTION:
OVERALL SITE PLAN

Project #: N210298
File: CONSTRUCTION DOCUMENTS
Drawn by: JRI
Date(s): 06/22/2020
07/28/2020 REV #1 CD90 PLANS
08/11/2020 REV #2 CD100 PLANS

A
C-1 **OVERALL SITE PLAN**



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A
C-2
DEMOLITION PLAN

DEMO QUANTITIES TABLE

	ASPHALT	0 SQ FT
	PARKING LINES	GRINDING
	CURB	0 LF
	LANDSCAPING	±390 SQ FT
	UTILITY TRENCH	±455 LF
	UTILITY BORE	±0 LF
	TREE REMOVAL	1 EA
	INLET PROTECTION	2 EA

NOTES

1. THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK.
2. ALL QUANTITIES LISTED IN DEMOLITION PLAN SHEET ARE ONLY APPROXIMATIONS. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES BEFORE BIDDING.
3. TRENCHING IS TO BE USED EXCEPT IN HEAVY TRAFFIC AREAS, MAIN DRIVE AISLES AND ACROSS STORE ENTRANCE.
4. THE CONTRACTOR SHALL PROTECT EXISTING INFRASTRUCTURE IN PLACE WITHIN THE AREA OF IMPROVEMENTS



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Job Name:

**CEDAR HILLS
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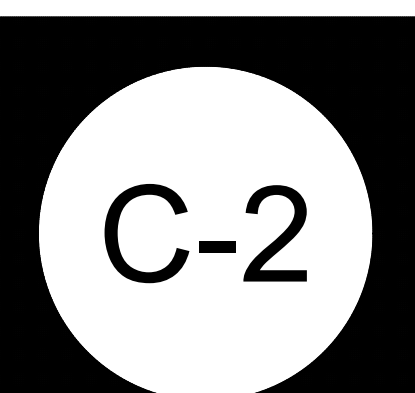
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SHEET DESCRIPTION:
DEMOLITION PLAN

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NOTES

- SOD PLANTED IN THE FALL MUST ESTABLISH ITS ROOTS BEFORE THE FIRST WINTER FROST. DETERMINE WHEN THE FIRST FROST USUALLY OCCURS, AND PLANT THE SOD NO LATER THAN ONE MONTH BEFORE THE FIRST FROST. IF THE CONSTRUCTION IS FINISHED LATER THAN ONE MONTH BEFORE THE FIRST FROST, USE STRAW UNTIL SOD CAN BE INSTALLED.
- DISTURBED AREA OUTSIDE OF THE TRANSFORMER PAD AND CONCRETE EQUIPMENT PAD SHALL BE COVERED WITH MULCH
- THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK.

PROPOSED DISPENSER		
DISPENSER NUMBER	150 KW	CABLE TYPE
1	X	CHAdEMO/CCS
2	X	CCS
3	X	CCS
4	X	CCS

DECIMAL FEET TO ARCHITECTURAL CONVERSIONS			
DECIMAL (FT)	ARCH. (IN)	DECIMAL (FT)	ARCH. (IN)
0.04'	1/2"	0.5'	6"
0.08'	1"	0.58'	7"
0.1'	1-1/4"	0.6'	7-1/4"
0.17'	2"	0.67'	8"
0.2'	2-1/2"	0.7'	8-1/2"
0.25'	3"	0.75'	9"
0.3'	3-1/2"	0.8'	9-1/2"
0.33'	4"	0.83'	10"
0.4'	4-3/4"	0.9'	10-3/4"
0.42'	5"	0.92'	11"

WYCKOFF TOWNSHIP ZONING TABLE - B-2, NEIGHBORHOOD BUSINESS DISTRICT			
ZONE CRITERIA	REQUIRED	PREVIOUSLY APPROVED**	PROVIDED
MIN. FRONT SETBACK	20'	81.1'	13'
MIN. SIDE SETBACK*	12'	64.7'	NO CHANGE
MIN. REAR SETBACK	20'	40.5'	12.9'
MAX. BUILDING HEIGHT	35/2.5 STORIES	20'	NO CHANGE

TOTAL PARKING COUNT OF ENTIRE FACILITY	
REQUIRED	286
BOARD APPROVED	232
PROPOSED	230

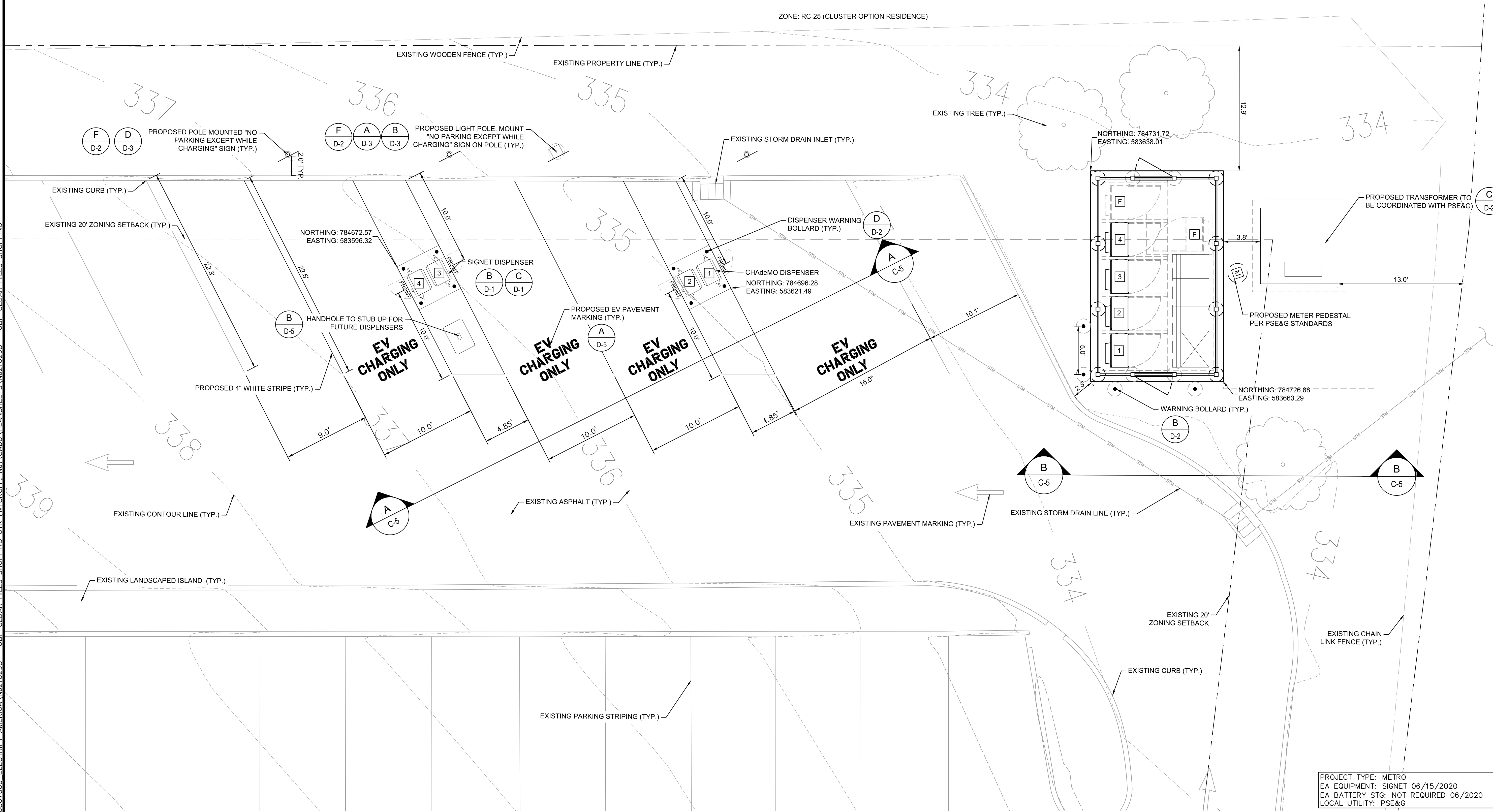
**THE PREVIOUSLY APPROVED SITE PLAN INFORMATION IS TAKEN FROM A ZONING REPORT COMPILED BY MILMAN NATIONAL LAND SERVICES UNDER PROJECT NO. 13152, DATED OCTOBER 23, 2014.

*REQUIRED COUNT BASED PER TOWNSHIP OF WYCKOFF ZONING ORDINANCE.

PROJECT AREA STALL COUNT	
EXISTING STALL COUNT	6
PROPOSED STALL COUNT	4
UBP APPROVED STALL COUNT	8

*CONVERSION FROM DECIMAL ARE TO THE NEAREST USABLE 1/4" FRACTION

ZONE: RC-25 (CLUSTER OPTION RESIDENCE)



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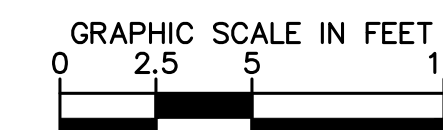
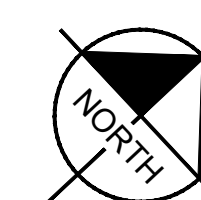
T.W. DIGGAN

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SHEET DESCRIPTION:
ENLARGED SITE PLAN

Project #: N210298
File: CONSTRUCTION DOCUMENTS
Drawn by: JRI
Date(s): 06/22/2020
07/28/2020 REV #1 CD90 PLANS
08/11/2020 REV #2 CD100 PLANS

PROJECT TYPE: METRO
EA EQUIPMENT: SIGNET 06/15/2020
EA BATTERY STG: NOT REQUIRED 06/2020
LOCAL UTILITY: PSE&G



C-3

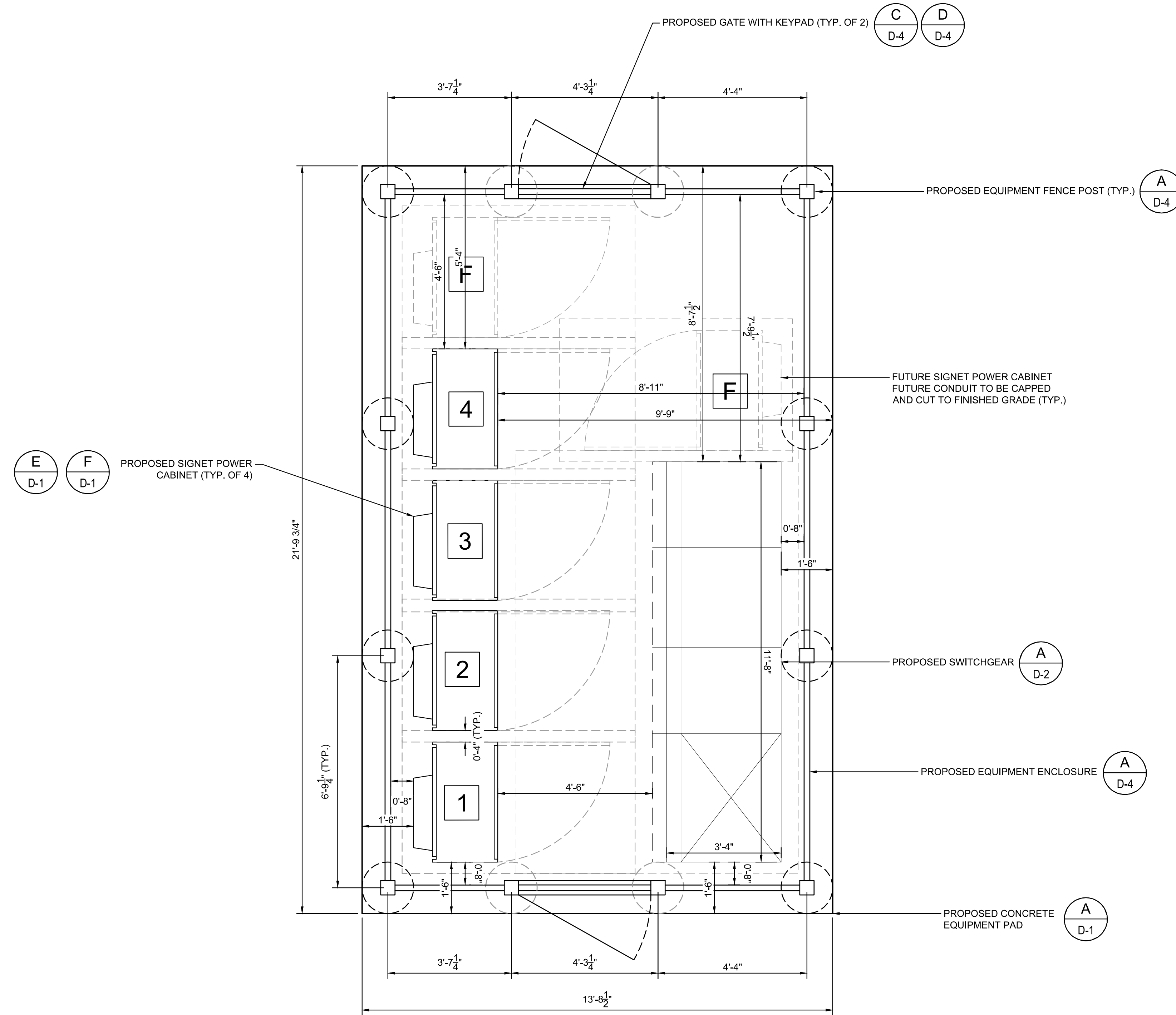
ENLARGED SITE PLAN

A
C-3

K:\DEN_CIVIL\0986867000_ELECTRIFY_AMERICA\N210298 - UBP_CEDAR_HILLS_SHOPPING_CTR (WYCKOFF, NJ)\CADD\PLANSHEETS\N210298 - UBP_CEDAR_HILLS_SHOPPING_CTR

NOTES

- 1. CONTRACTOR TO SLOPE PAD 1% TO PROVIDE POSITIVE DRAINAGE.



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PHONE: 609-681-2428
WWW.KIMLEY-HORN.COM
CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:
**CEDAR HILLS
SHOPPING
CENTER**

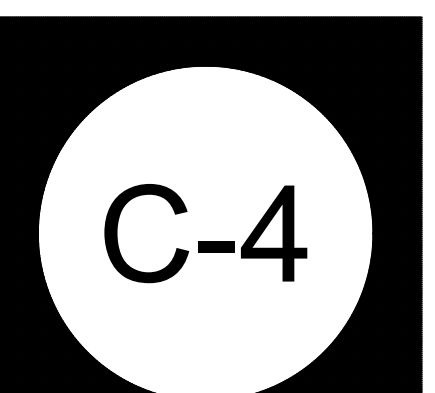
525 CEDAR HILL AVE
WYCKOFF, NJ 07481

T.W. DIGGAN

T.W. Diggan
08/29/2020
PROFESSIONAL ENGINEER
NEW JERSEY LICENCE No. 4447300

SHEET DESCRIPTION:
ENLARGED EQUIPMENT
LAYOUT

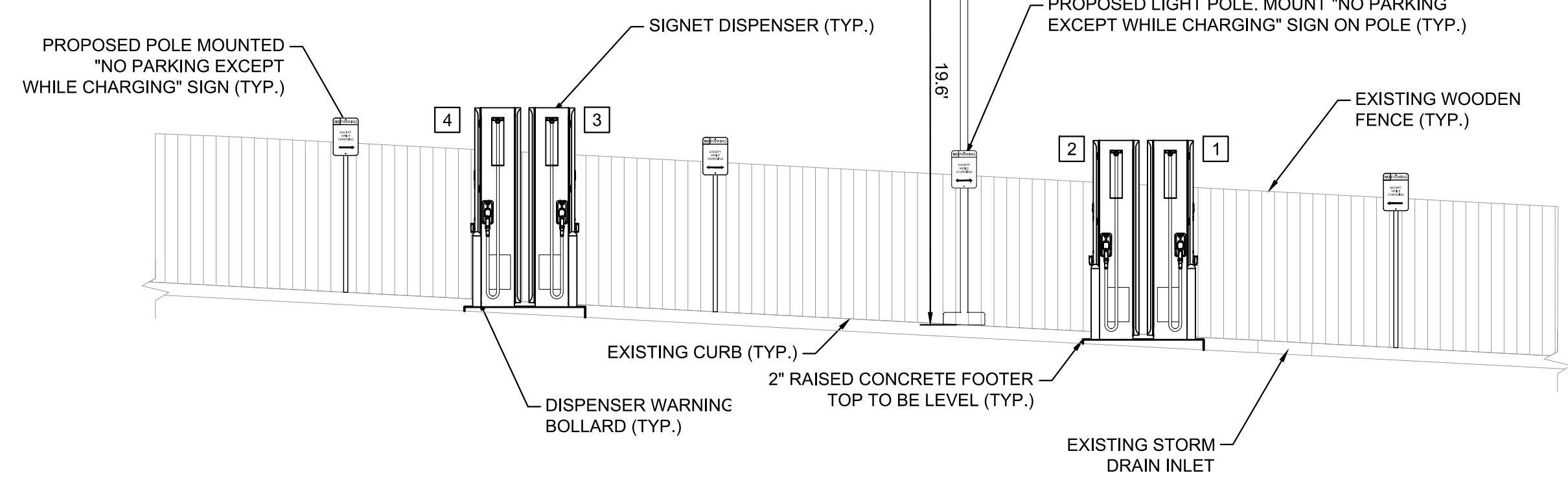
Project #: NJ210298
File: CONSTRUCTION DOCUMENTS
Drawn by: JRI
Date(s): 06/22/2020
07/28/2020 REV #1 CD90 PLANS
08/11/2020 REV #2 CD100 PLANS



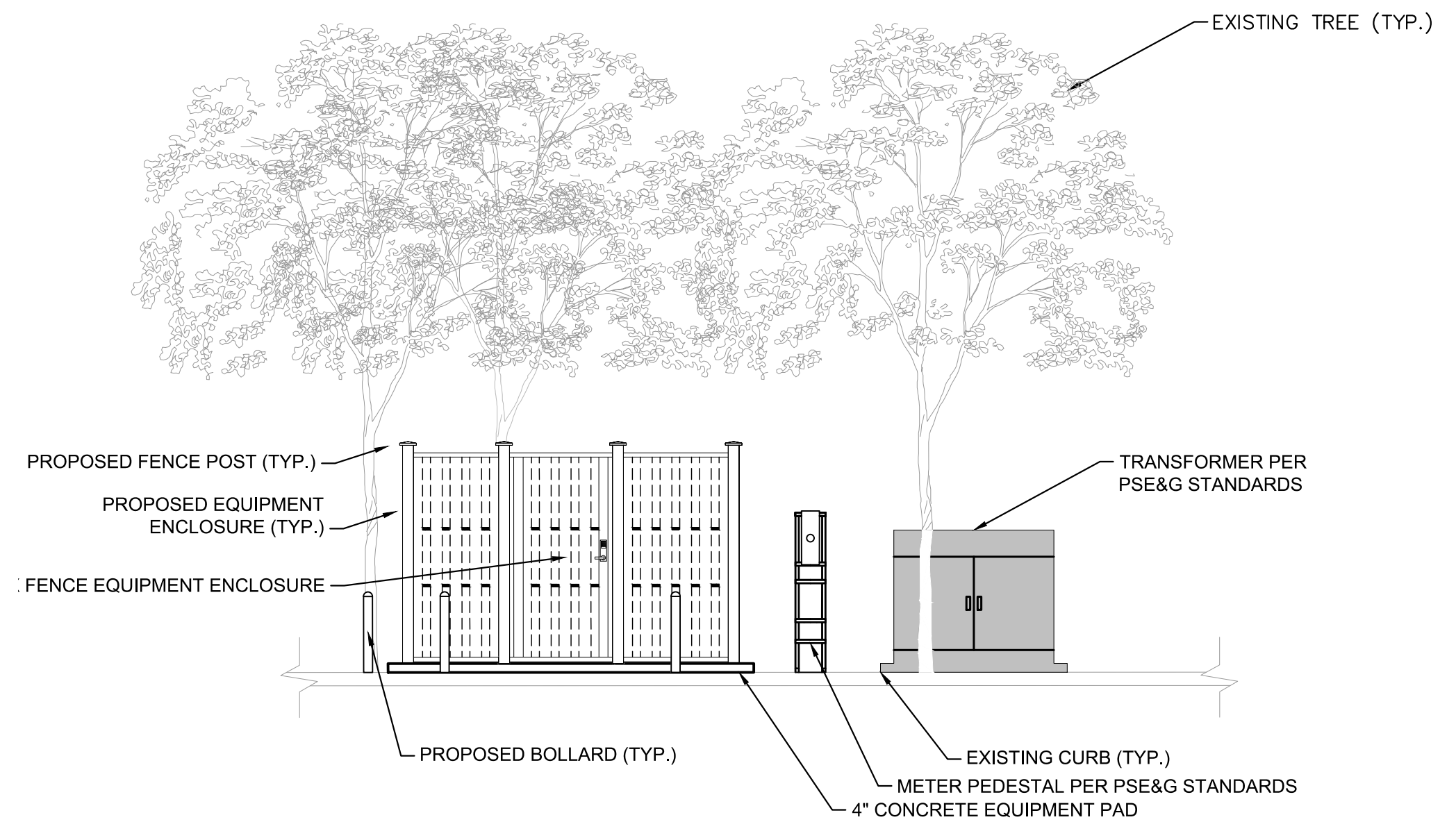
A
C-4 ENLARGED EQUIPMENT LAYOUT



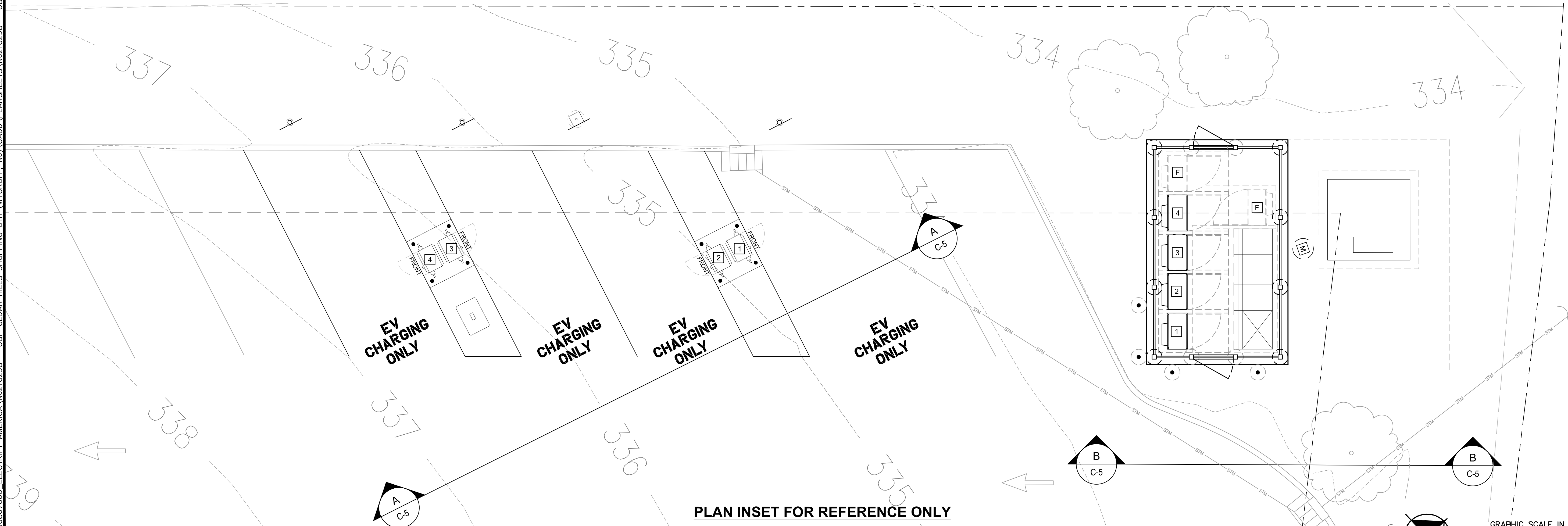
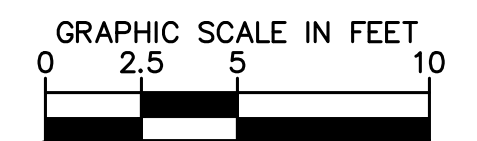
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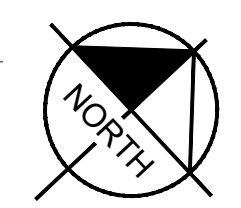
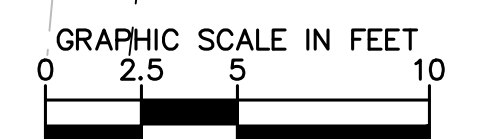
A SITE ELEVATION
C-5



B SITE ELEVATION
C-5



C-5 SITE ELEVATION



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CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:
**CEDAR HILLS
SHOPPING
CENTER**

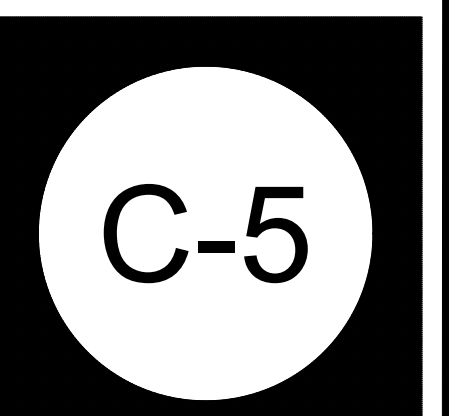
525 CEDAR HILL AVE
WYCKOFF, NJ 07481

T.W. DIGGAN

T.W. Diggan
08/29/2020
PROFESSIONAL ENGINEER
NEW JERSEY LICENCE No. 4447300

SHEET DESCRIPTION:
SITE ELEVATION

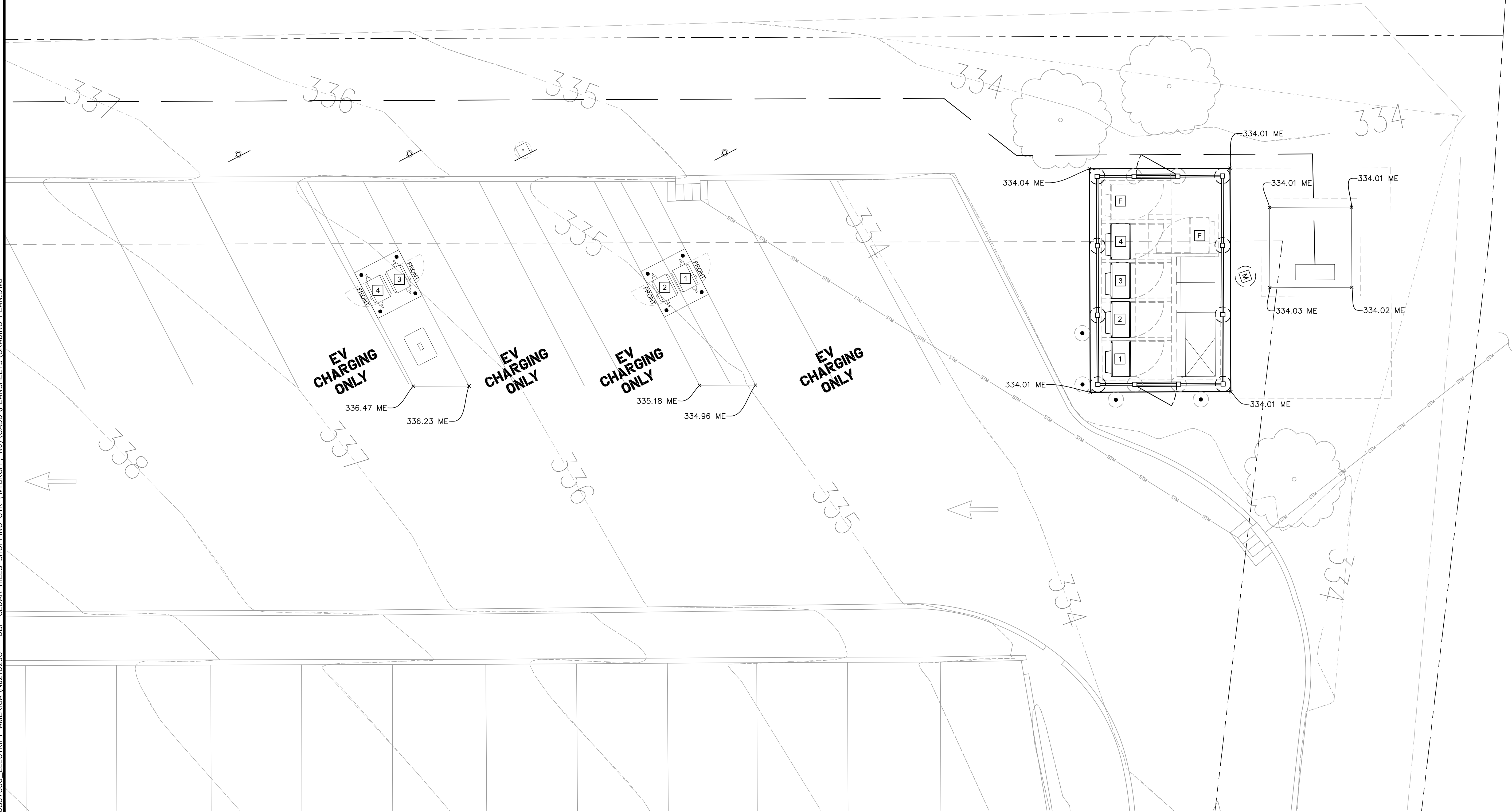
Project #: NJ210298
File: CONSTRUCTION DOCUMENTS
Drawn by: JRI
Date(s): 06/22/2020
07/28/2020 REV #1 CD90 PLANS
08/11/2020 REV #2 CD100 PLANS



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GRADING LEGEND	
TP	TOP OF PAD
HP	HIGH POINT
TC	TOP OF CURB
FG	FINISH GRADE
ME	MATCH EXISTING
FL	FLOW LINE
P	PAVEMENT
- - - XXX - - -	EXISTING CONTOUR
— XXX —	PROPOSED CONTOUR
xxx	SPOT ELEVATION

NOTES:
 1. CONTRACTOR TO MAINTAIN 4" MINIMUM REVEAL ON CONCRETE EQUIPMENT PAD



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 CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:
**CEDAR HILLS
 SHOPPING
 CENTER**

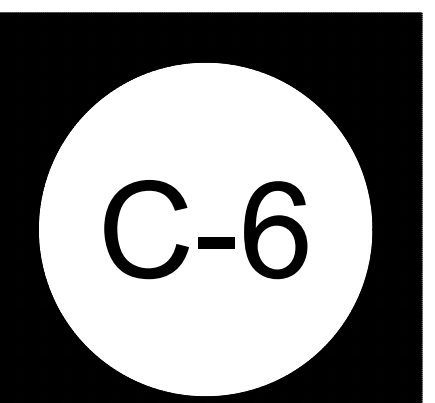
525 CEDAR HILL AVE
 WYCKOFF, NJ 07481

T.W. DIGGAN

T.W. Diggan
 08/29/2020
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENCE No. 4447300

SHEET DESCRIPTION:
 GRADING PLAN

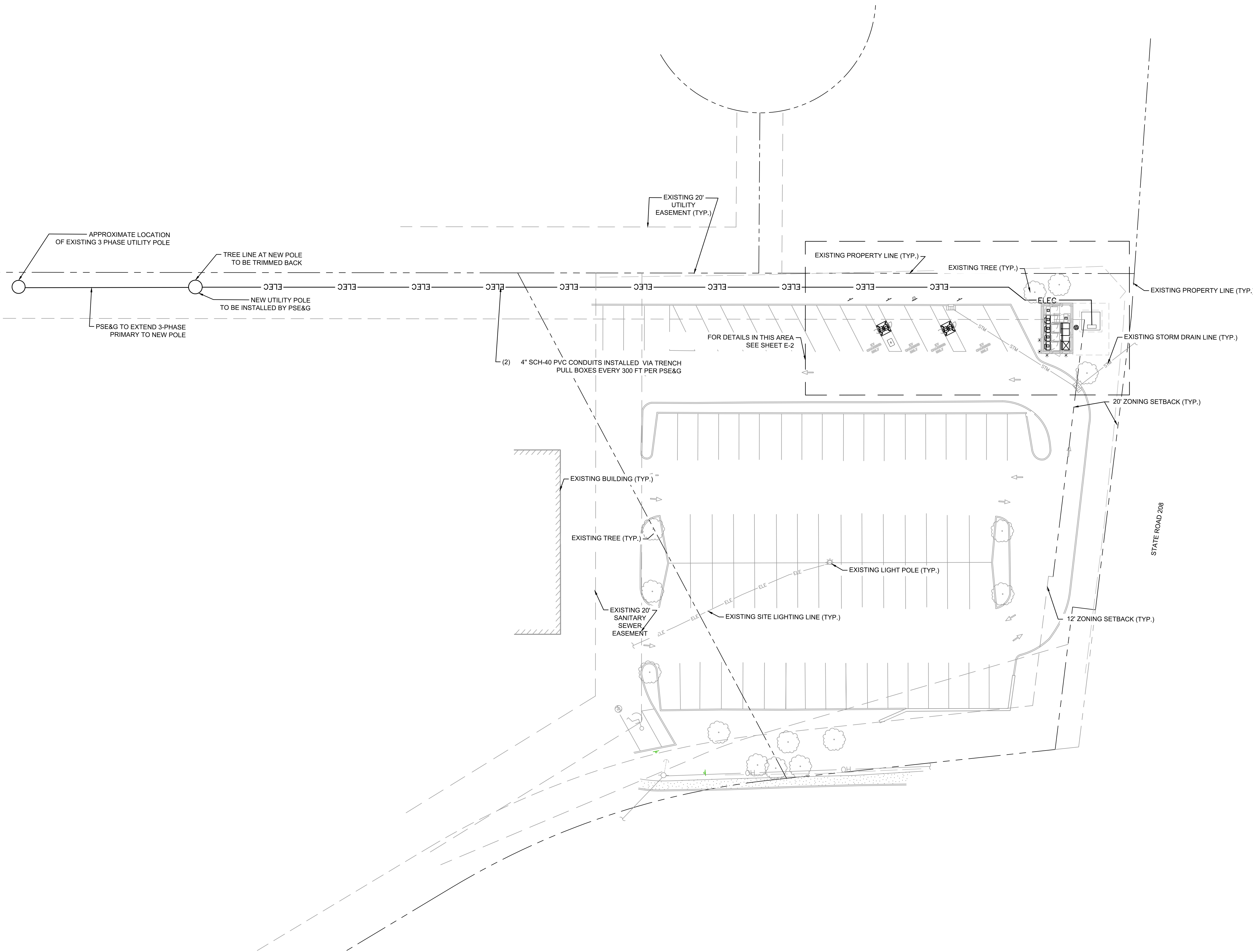
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A
 C-6
GRADING PLAN

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- ### KEYNOTES
1. THE UTILITY DESIGN DETAILS SUMMARIZED ON THIS SHEET ARE FOR PROPERTY OWNER REVIEW. THE CONTRACTOR SHALL REFERENCE THE UTILITY DESIGN PACKAGE (UDP), PROVIDED WITH THE ISSUED FOR CONSTRUCTION DRAWINGS FOR BIDDING. THE CONTRACTOR SHALL INSTALL THE UTILITY RELATED SCOPE OF WORK PER UTILITY CONSTRUCTION SPECIFICATION REQUIREMENTS.
 2. UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK AND TERMINATION OF SERVICE CONDUCTORS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER AT TIME OF PRE-CONSTRUCTION MEETING TO ENSURE ACCURACY OF INSTALLATIONS.
 3. TRANSFORMER BOLLARD PROTECTION TO BE INSTALLED PER UTILITY SPECIFICATION. ADDITIONAL BOLLARD PROTECTION MAY BE REQUIRED AT THE DISCRETION OF THE UTILITY FIELD INSPECTION PERSONNEL.

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WWW.KIMLEY-HORN.COM
CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:
CEDAR HILLS SHOPPING CENTER

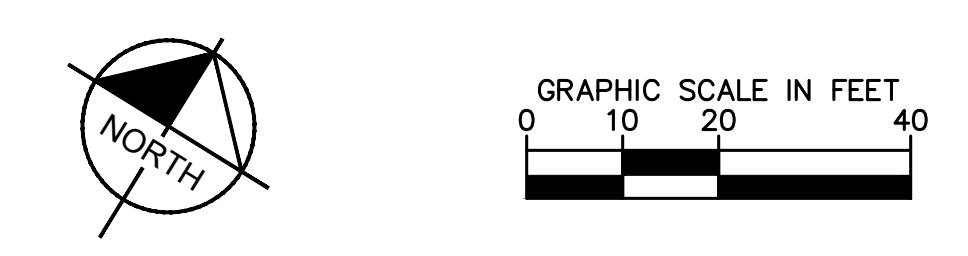
525 CEDAR HILL AVE
WYCKOFF, NJ 07481

SHEET DESCRIPTION:
UTILITY PLAN

Project #: N210298
File: CONSTRUCTION DOCUMENTS
Drawn by: JRI
Date(s): 06/22/2020
07/28/2020 REV #1 CD90 PLANS
08/11/2020 REV #2 CD100 PLANS

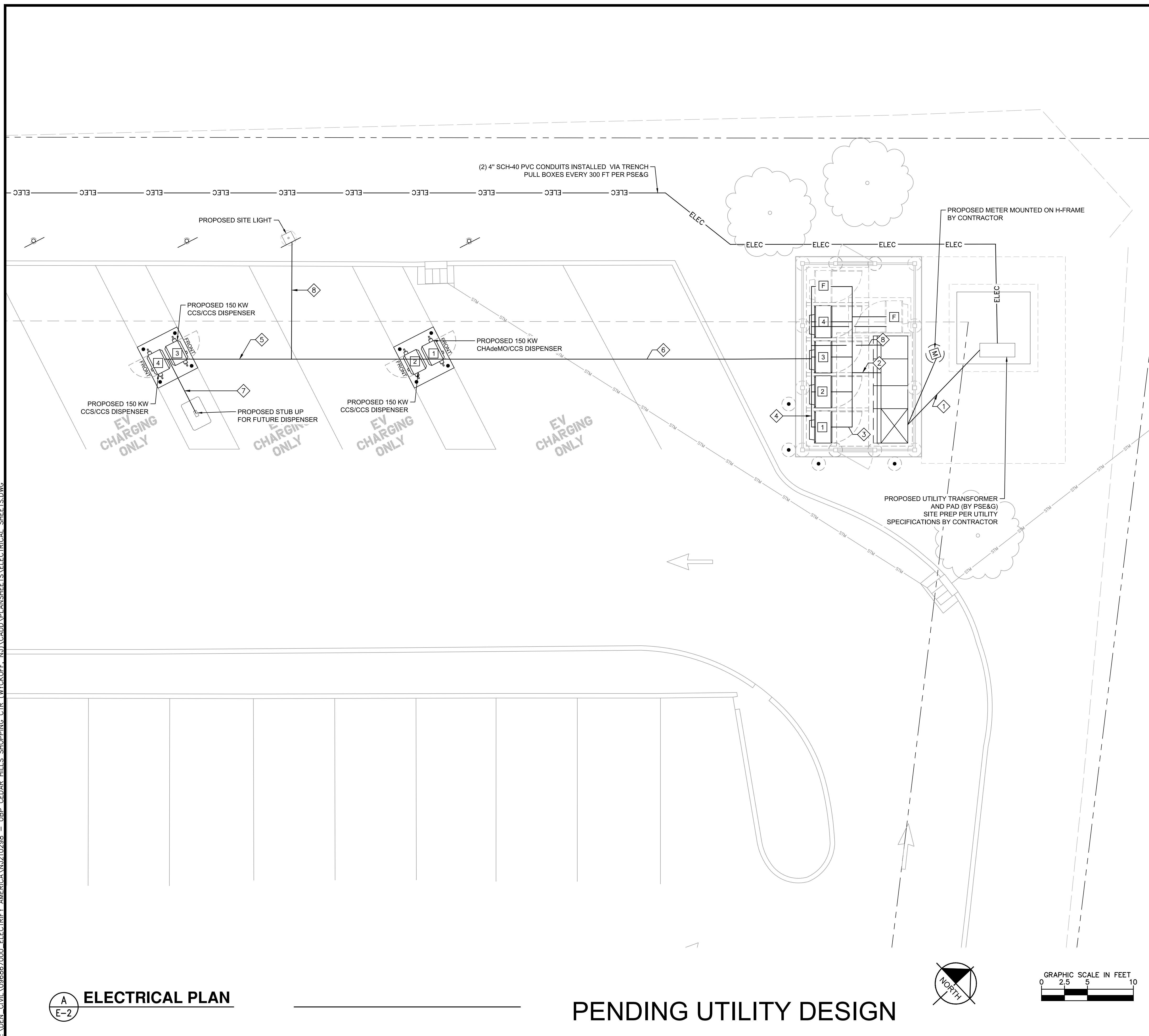
A
E-1
UTILITY PLAN

PENDING UTILITY DESIGN



E-1

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PROPOSED DISPENSERS

CHARGE POST NUMBER	150KW	350KW	CABLE TYPE
1	X		CHAdMO/CCS
2	X		CCS/CCS
3	X		CCS/CCS
4	X		CCS/CCS

POWER UNIT LENGTHS

POWER UNIT	LINEAR LENGTH SWBD TO POWER UNIT	** ESTIMATED LENGTH (FT)
1	20	36
2	15	31
3	15	31
4	20	36
FUTURE	23	39
FUTURE	24	40
TOTAL ESTIMATED LENGTH		213

TOTAL LENGTH OF AC WIRE = SUM OF ESTIMATED LENGTH x 4 WIRES PER POWER UNIT
 TOTAL LENGTH GND WIRE = SUM OF ESTIMATED LENGTHS

DC CHARGING POST LENGTHS

POWER UNITS	DISPENSER	LINEAR LENGTH (FT)	*** ESTIMATED LENGTH (FT)
1	1	44	66
2	2	40	62
3	3	62	84
4	4	58	80
FUTURE	FUTURE	52	74
FUTURE	FUTURE	53	75

NOTES

- (SEE SHEET E-3 FOR WIRE CONFIGURATION)
- ** AC CONDUCTORS: 16 FEET IS ADDED TO HORIZONTAL RUN LENGTH TO ACCOUNT FOR BURIED DEPTH
 - *** DC CONDUCTORS: 22 FEET IS ADDED TO HORIZONTAL RUN LENGTH TO ACCOUNT FOR BURIED DEPTH
- CONDUIT ROUTING IS DIAGRAMMATICALLY SHOWN ON PLANS AND ARE ONLY APPROXIMATIONS. THE EXACT LOCATION AND ROUTING PATHS SHALL BE FIELD VERIFIED AND INSTALLED PER JURISDICTIONAL REQUIREMENTS.
 - ALL ELECTRICAL WORK AND RELATED ACTIVITIES PERFORMED ONSITE SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC) STANDARDS BEING ENFORCED BY ALL APPLICABLE JURISDICTIONAL REQUIREMENTS AT TIME OF CONSTRUCTION.
 - UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER TO ENSURE ACCURACY OF INSTALLATIONS.

KEYNOTES

- 1 SERVICE ENTRANCE CONDUITS, (6) 4" C
- 2 (6) 3" C
- 3 (1) 3" C
- 4 (2) 2-1/2" C, (1) 1-1/2" C, (1) 3/4" C
- 5 (8) 2-1/2" C, (4) 1-1/2" C, (4) 3/4" C,
- 6 (12) 2-1/2" C, (6) 1-1/2" C, (7) 3/4" C
- 7 (4) 2-1/2" C, (2) 1-1/2" C, (2) 3/4" C,
- 8 (1) 3/4" C



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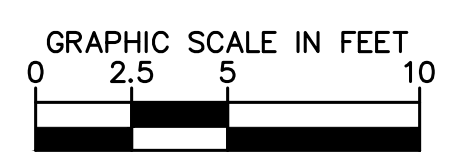
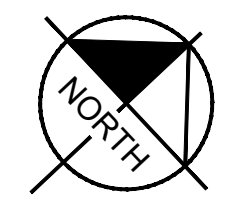
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 WWW.KIMLEY-HORN.COM
 CERTIFICATE OF AUTHORIZATION No. 246A28039300

Job Name:
CEDAR HILLS SHOPPING CENTER

525 CEDAR HILL AVE
 WYCKOFF, NJ 07481

SHEET DESCRIPTION:
 ELECTRICAL PLAN

Project #: N210298
 File: CONSTRUCTION DOCUMENTS
 Drawn by: JRI
 Date(s): 06/22/2020
 07/28/2020 REV #1 CD90 PLANS
 08/11/2020 REV #2 CD100 PLANS





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america**

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SUITE 200
RESTON, VA 20191

Kimley»Horn

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CERTIFICATE OF AUTHORIZATION No. 24GA2803930

Job Name:

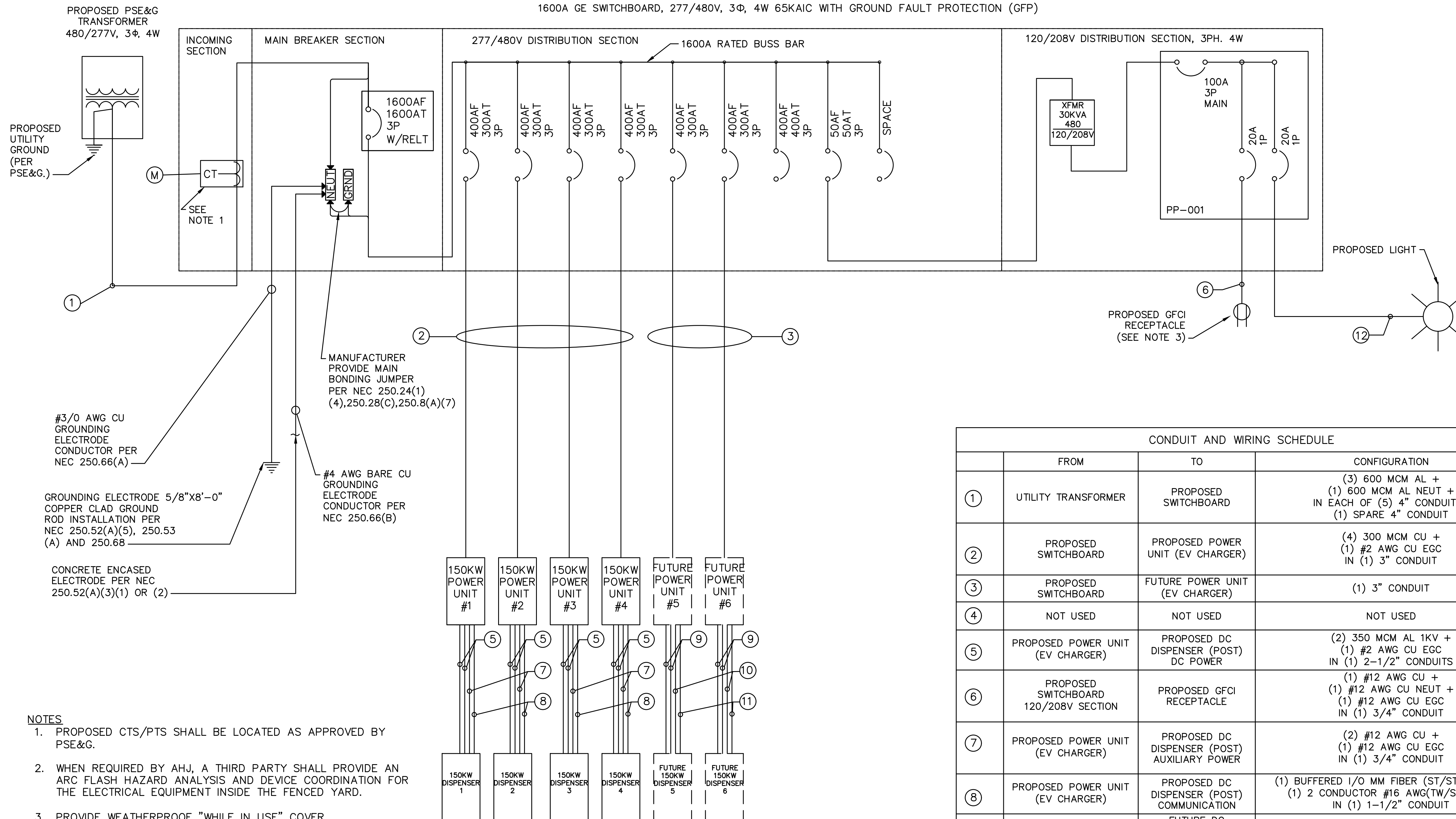
**CEDAR HILLS
SHOPPING
CENTER**

525 CEDAR HILL AVE
WYCKOFF, NJ 07481

SHEET DESCRIPTION:
SINGLE LINE DIAGRAM

Project #: N210298
File: CONSTRUCTION DOCUMENTS
Drawn by: JRI
Date(s): 06/22/2020
07/28/2020 REV #1 CD90 PLANS
08/11/2020 REV #2 CD100 PLANS

1600A GE SWITCHBOARD, 277/480V, 3Φ, 4W 65KAIC WITH GROUND FAULT PROTECTION (GFP)



NOTES

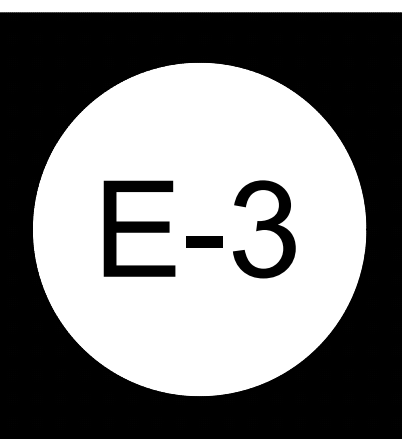
1. PROPOSED CTS/PTS SHALL BE LOCATED AS APPROVED BY PSE&G.
2. WHEN REQUIRED BY AHJ, A THIRD PARTY SHALL PROVIDE AN ARC FLASH HAZARD ANALYSIS AND DEVICE COORDINATION FOR THE ELECTRICAL EQUIPMENT INSIDE THE FENCED YARD.
3. PROVIDE WEATHERPROOF "WHILE IN USE" COVER.
4. MAIN BREAKER IS EQUIPPED WITH REDUCED ENERGY LET THROUGH (RELT) MAINTENANCE SWITCH WITH LOCAL STATUS INDICATION.

LOAD SUMMARY			
	KVA	QTY	TOTAL KVA
150KW POWER UNIT	150 KVA	4	600
FUTURE 150KW	150 KVA	2	300
	25% CONTINUOUS DUTY		225
	30 KVA TRANSFORMER		30
	TOTAL		1,155
	AMPS (480V, 3-PH)		1,390A

A SINGLE LINE DIAGRAM

CONDUIT AND WIRING SCHEDULE			
	FROM	TO	CONFIGURATION
①	UTILITY TRANSFORMER	PROPOSED SWITCHBOARD	(3) 600 MCM AL + (1) 600 MCM AL NEUT + IN EACH OF (5) 4" CONDUIT + (1) SPARE 4" CONDUIT
②	PROPOSED SWITCHBOARD	PROPOSED POWER UNIT (EV CHARGER)	(4) 300 MCM CU + (1) #2 AWG CU EGC IN (1) 3" CONDUIT
③	PROPOSED SWITCHBOARD	FUTURE POWER UNIT (EV CHARGER)	(1) 3" CONDUIT
④	NOT USED	NOT USED	NOT USED
⑤	PROPOSED POWER UNIT (EV CHARGER)	PROPOSED DC DISPENSER (POST) DC POWER	(2) 350 MCM AL 1KV + (1) #2 AWG CU EGC IN (1) 2-1/2" CONDUITS
⑥	PROPOSED SWITCHBOARD 120/208V SECTION	PROPOSED GFCI RECEPTACLE	(1) #12 AWG CU + (1) #12 AWG CU NEUT + (1) #12 AWG CU EGC IN (1) 3/4" CONDUIT
⑦	PROPOSED POWER UNIT (EV CHARGER)	PROPOSED DC DISPENSER (POST) AUXILIARY POWER	(2) #12 AWG CU + (1) #12 AWG CU EGC IN (1) 3/4" CONDUIT
⑧	PROPOSED POWER UNIT (EV CHARGER)	PROPOSED DC DISPENSER (POST) COMMUNICATION	(1) BUFFERED I/O MM FIBER (ST/ST CONN) + (1) 2 CONDUCTOR #16 AWG(TW/SH PAIR) IN (1) 1-1/2" CONDUIT
⑨	FUTURE POWER UNIT (EV CHARGER)	FUTURE DC DISPENSER (POST) DC POWER	(1) 2-1/2" CONDUITS
⑩	FUTURE POWER UNIT (EV CHARGER)	FUTURE DC DISPENSER (POST) AUXILIARY POWER	(1) 3/4" CONDUIT
⑪	FUTURE POWER UNIT (EV CHARGER)	FUTURE DC DISPENSER (POST) COMMUNICATION	(1) 1-1/2" CONDUIT
⑫	PROPOSED LIGHT POLE	PROPOSED LIGHT POLE	(2) #10 AWG CU + (1) #10 AWG CU GND IN (1) 3/4" CONDUIT

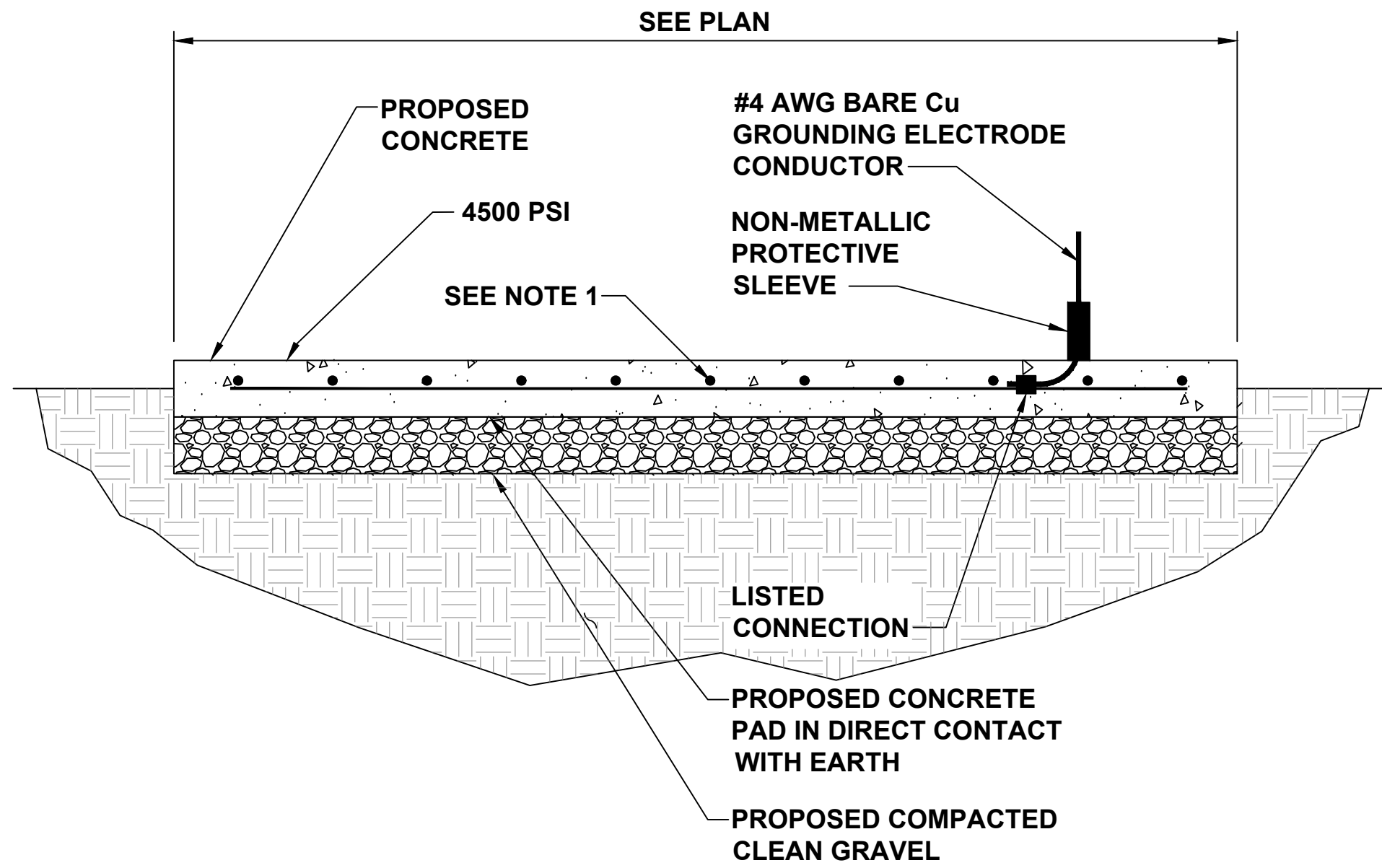
PENDING UTILITY DESIGN



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NOTE

1. REBAR BONDED TOGETHER WITH STEEL TIE WIRES OR EXOTHERMIC WELDING



A CONCRETE ENCASED ELECTRODE DETAIL
N.T.S.

CADWELD CONNECTIONS
OR ENGINEER APPROVED EQUAL

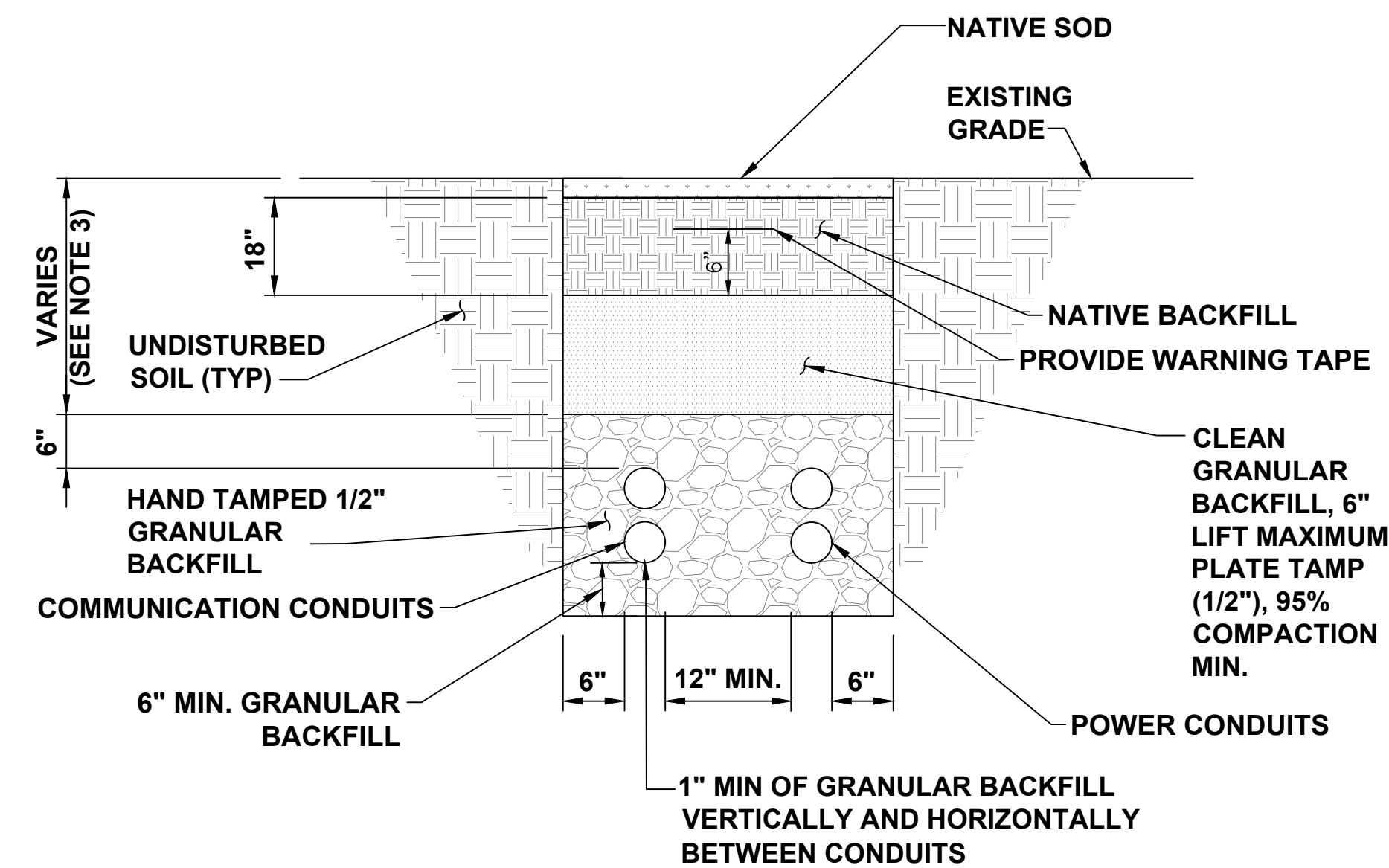
<p>CABLE TO REBAR TEE CONNECTION HORIZONTAL CABLE TAP TO VERTICAL REBAR</p> <p>TYPE RJ</p>	<p>HORIZONTAL SPLICE SPLICE OF HORIZONTAL CABLES</p> <p>TYPE SS</p>	<p>PARALLEL HORIZONTAL CONDUCTORS PARALLEL THROUGH CONNECTION OF HORIZONTAL CABLES</p> <p>TYPE PT</p>
<p>BOND JUMPER FIELD FABRICATED GREEN STRANDED INSULATED</p> <p>TYPE 2-YA-2</p>	<p>HORIZONTAL STEEL SURFACE TO FLAT STEEL SURFACE OR HORIZONTAL PIPE</p> <p>TYPE HS</p>	<p>PARALLEL HORIZONTAL CONDUCTORS PARALLEL DEAD END TAP OR HORIZONTAL THRU CONDUCTOR</p> <p>TYPE PC</p>
<p>COPPER LUGS TWO HOLE - LONG BARREL LENGTH</p> <p>TYPE YA-2</p>	<p>VERTICAL PIPE CABLE DOWN AT 45° TO RANGE OF VERTICAL PIPES</p> <p>TYPE VS</p>	<p>VERTICAL STEEL SURFACE CABLE DOWN AT 45° TO VERTICAL STEEL SURFACE INCLUDING PIPE</p> <p>TYPE VS</p>
<p>HORIZONTAL TEE TEE OF HORIZONTAL RUN AND TAP CABLES</p> <p>TYPE TA</p>	<p>THROUGH CABLE TO GROUND ROD THROUGH CABLE TO TOP OF GROUND ROD</p> <p>TYPE GT</p>	

B CADWELD CONNECTION DETAIL
N.T.S.

NOTES:

1. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
2. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. 2014 NEC 250.121 EXCEPTION: A WIRE-TYPE EQUIPMENT GROUNDING CONDUCTOR INSTALLED IN COMPLIANCE WITH 250.6(A) AND THE APPLICABLE REQUIREMENTS FOR BOTH THE EQUIPMENT GROUNDING CONDUCTOR AND THE GROUNDING ELECTRODE CONDUCTOR IN PARTS II, III, AND VI OF THIS ARTICLE SHALL BE PERMITTED TO SERVE AS BOTH AN EQUIPMENT GROUNDING CONDUCTOR AND A GROUNDING ELECTRODE CONDUCTOR.

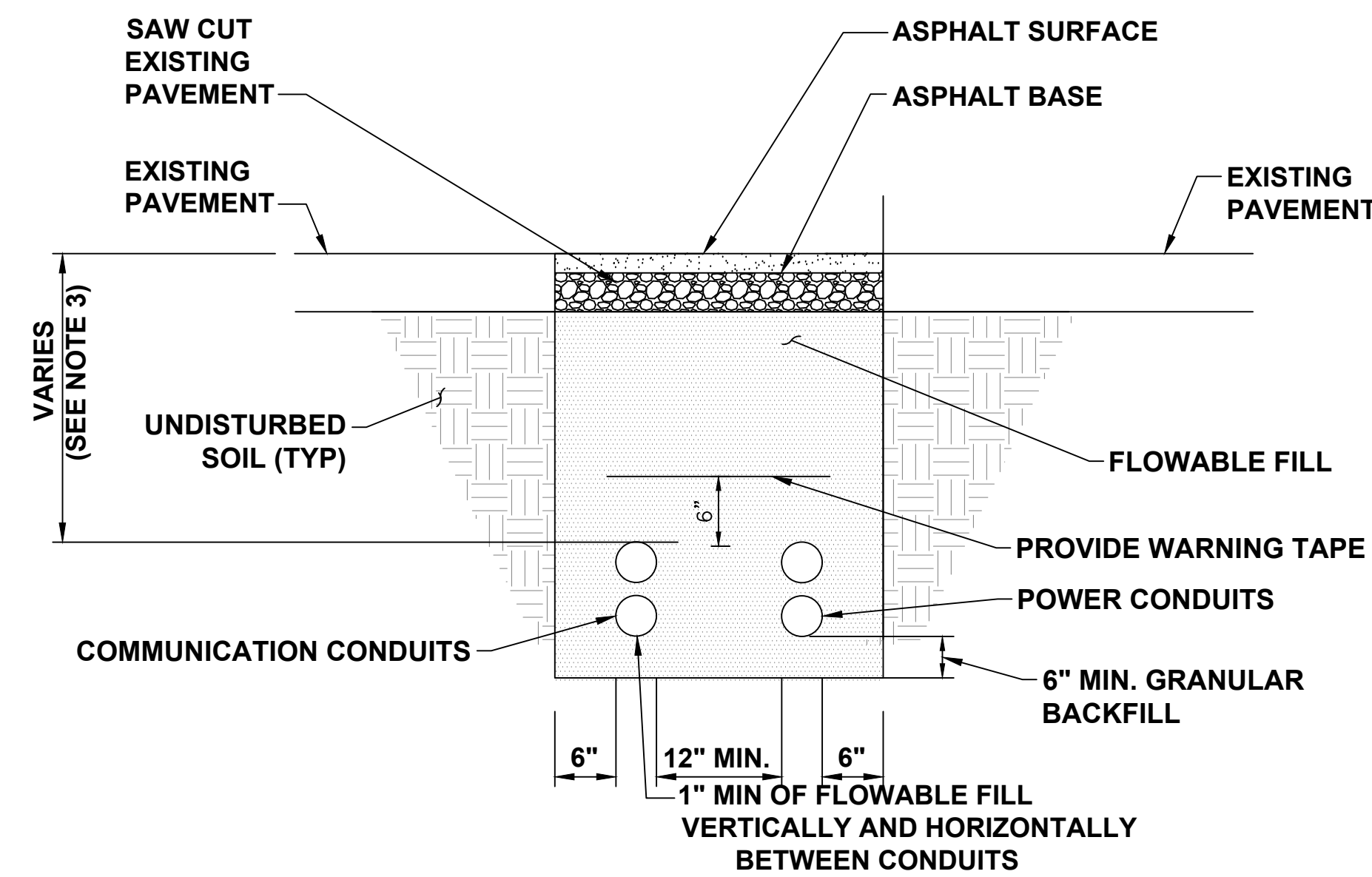
C GROUNDING NOTES
N.T.S.



NOTES

1. ANY EXCAVATION LEFT OPEN NEEDS TO BE FENCED, BARRICADED, OR TRENCH PLATED TO INSURE THE SAFETY OF THE GENERAL PUBLIC.
2. ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE CONSTRUCTION CONDITIONS OR BETTER.
3. TRENCH DEPTHS ARE REQUIRED TO BE 2'-0" MIN. OR 6" BELOW FROST LINE PER LOCAL JURISDICTION REQUIREMENTS.
4. EXACT NUMBER OF CONDUITS SHALL BE DETERMINED BY SHEET E-1 & E-2, EXACT CONDUIT PLACEMENT IN TRENCH SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON PHYSICAL MEASUREMENTS AND JURISDICTIONAL REQUIREMENTS.

D TYPICAL NON-UTILITY CONDUIT UNDER SOIL TRENCH
N.T.S.



NOTES

1. ASPHALT SHALL COMPLY WITH STANDARD DOT OR LOCAL JURISDICTION SPEC. FOR HMA SURFACE COURSE.
2. ANY EXCAVATION LEFT OPEN NEEDS TO BE FENCED, BARRICADED, OR TRENCH PLATED TO INSURE THE SAFETY OF THE GENERAL PUBLIC.
3. TRENCH DEPTHS ARE REQUIRED TO BE 2'-0" MIN. OR 6" BELOW FROST LINE PER LOCAL JURISDICTION REQUIREMENTS.
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E TYPICAL NON-UTILITY CONDUIT UNDER ASPHALT TRENCH
N.T.S.

F DETAIL NOT USED



ELECTRIFY AMERICA, LLC.
2003 EDMUND HALLEY DRIVE
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CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:
CEDAR HILLS SHOPPING CENTER

525 CEDAR HILL AVE
WYCKOFF, NJ 07481

SHEET DESCRIPTION:
ELECTRICAL DETAILS

Project #: NJ210298
File: CONSTRUCTION DOCUMENTS
Drawn by: JRI
Date(s): 06/22/2020
07/28/2020 REV #1 CD90 PLANS
08/11/2020 REV #2 CD100 PLANS

E-4

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ACCESS TO: Front Only PHASE: 3P4W PUBLIC SERVICE ELECTRIC & GAS N.J.
 CLASS: 2 AMPERE: 1600A CODE: PS
 LABEL: UL SE BUS MTL-A 750Ain7 C/T TYPE: Window
 VOLTAGE: 480/277V PLATE: Tin Plate P/T TYPE:
 STYLE: Sub-Dr RATING: Fully Rated PER GE DWG: 75C143992 PVS
 BUS BRACING (RMS SYM): 65000A PER PWR CD SPEC: 75C323038A SH. 1
 DEV MIN FLT RATING (RMS SYM): 65000A PER PWR CD SPEC: 75C323038A SH. 1

Switchboard / Device Information

NOTES: (continued)
 30. The Secondary Transformer is protected by 100 Amp Breaker
 31. Estimated total factory connected wiring points for the lineup 88.
 32. Estimated shipping weight for the lineup is 3016 lbs.
 33. Miscellaneous Add-Ons:
 1 MOXA MBS105-MB-EIP
 1 MOXA IOLCGIK E1214
 2 RL4 RELAY
 1 MOXA MB3270
 1 SOLA POWER SUPPLY
 34. Due to the presence of Miscellaneous Add-Ons, please review drawings with the factory to ensure accuracy.
 35. Drawing Notes:
 NEMA 3R to have rearward sloping roof
 SGLC feeder breaker to be at end of bus
 No horizontal bus in ISB section
 Transformer to panel to be wired in plant
 ISB transformer wired to main breaker in panel in factory
 36. As a result of Drawing Notes, this product may require modification to reflect correct footprint, price, cycle or UL certification.

PROJECT NAME: Electrify America
 DWG TITLE: Device Information
 CREATED BY: Shinder, Tomi
 CHECKED BY: Spectra Series
 DATE: 4/5/2019 8:53:54 PM
 QUOTE NO: U7Z-00015645
 REVISION NO: 28

DWG NO: 38
 ITEM NO: PUBLIC SERVICE 1600A
 MARKS: U7Z-00015645
 SHEET: 2 of 5

W2 Date: 10/8/2019 8:15:21 PM BAB75305-1785-4528-A332-DEE37AADE91C

ACCESS TO: Front Only PHASE: 3P4W PUBLIC SERVICE ELECTRIC & GAS N.J.
 CLASS: 2 AMPERE: 1600A CODE: PS
 LABEL: UL SE BUS MTL-A 750Ain7 C/T TYPE: Window
 VOLTAGE: 480/277V PLATE: Tin Plate P/T TYPE:
 STYLE: Sub-Dr RATING: Fully Rated PER GE DWG: 75C143992 PVS
 BUS BRACING (RMS SYM): 65000A PER PWR CD SPEC: 75C323038A SH. 1
 DEV MIN FLT RATING (RMS SYM): 65000A PER PWR CD SPEC: 75C323038A SH. 1

WIRING AND CABLE SCHEDULE
 CABLE SIZE BASED ON 75C COPPER CABLE

TRANSFORMER CABLE SCHEDULE

CATALOG NO.	DESIGNATION	WIRE NAME	PHASE	KVA	TEMP RISE	MATERIAL	FREQ	PRIMARY SECONDARY	VOLTS	AMPS	PHASE WIRE SIZE	NEUTRAL WIRE SIZE	GROUNDING WIRE SIZE	WIRING	DEVICE ORIGIN (CABLED FROM)	DEVICE DESTINATION (CABLED TO)
91081002	T1		3 Phase	30	150	Aluminum	60 Hz	PRIMARY SECONDARY	480	50	(1) #8 (1) #8 (1) #8	(1) #10 (1) #8 (1) #8	(1) #8		Field Wire	Factory wire to panel

PANEL CABLE SCHEDULE

DESIGNATION	PANEL NAME	PLATE	AMPS	VOLTAGE	INCOMING TYPE	PHASE WIRE SIZE	NEUTRAL WIRE SIZE	GROUNDING WIRE SIZE	DEVICE ORIGIN (CABLED FROM)	DEVICE DESTINATION (CABLED TO)
LP1			100 Amps	208	Breaker	(1) #4	(1) #4	(1) #8		T1

No lighting panel branch circuits will have a NEUT. GND or Bonding wire.
 Any ground that has a XRFM device origin will have a NEUT. GND and Bonding Jumper.
 All XRFM Bonding Jumper will be on the same as GND.
 Any Main circuit that has 3 phase 4 wire service will have a NEUT and GND.
 Neutral Service required to adjacent Power Panel of the voltage only.

PROJECT NAME: Electrify America
 DWG TITLE: Wiring and Cable Schedule
 CREATED BY: Shinder, Tomi
 CHECKED BY: Spectra Series
 DATE: 4/5/2019 8:53:54 PM
 QUOTE NO: U7Z-00015645
 REVISION NO: 28

DWG NO: 38
 ITEM NO: PUBLIC SERVICE 1600A
 MARKS: U7Z-00015645
 SHEET: 0 of 5

W2 Date: 10/8/2019 8:15:21 PM BAB75305-1785-4528-A332-DEE37AADE91C

ACCESS TO: Front Only PHASE: 3P4W PUBLIC SERVICE ELECTRIC & GAS N.J.
 CLASS: 2 AMPERE: 1600A CODE: PS
 LABEL: UL SE BUS MTL-A 750Ain7 C/T TYPE: Window
 VOLTAGE: 480/277V PLATE: Tin Plate P/T TYPE:
 STYLE: Sub-Dr RATING: Fully Rated PER GE DWG: 75C143992 PVS
 BUS BRACING (RMS SYM): 65000A PER PWR CD SPEC: 75C323038A SH. 1
 DEV MIN FLT RATING (RMS SYM): 65000A PER PWR CD SPEC: 75C323038A SH. 1

Switchboard / Device Information

FRONT VIEW

BUSSING DIAGRAM

PROJECT NAME: Electrify America
 DWG TITLE: Front View / Busing
 CREATED BY: Shinder, Tomi
 CHECKED BY: Spectra Series
 DATE: 4/5/2019 8:53:54 PM
 QUOTE NO: U7Z-00015645
 REVISION NO: 28

DWG NO: 38
 ITEM NO: PUBLIC SERVICE 1600A
 MARKS: U7Z-00015645
 SHEET: 4 of 5

W2 Date: 10/8/2019 8:15:21 PM BAB75305-1785-4528-A332-DEE37AADE91C

This utility has designs for both hot and cold sequence CT compartments. Please confirm what is needed for the site. (Hot sequence shown in these drawings).

ACCESS TO: Front Only PHASE: 3P4W PUBLIC SERVICE ELECTRIC & GAS N.J.
 CLASS: 2 AMPERE: 1600A CODE: PS
 LABEL: UL SE BUS MTL-A 750Ain7 C/T TYPE: Window
 VOLTAGE: 480/277V PLATE: Tin Plate P/T TYPE:
 STYLE: Sub-Dr RATING: Fully Rated PER GE DWG: 75C143992 PVS
 BUS BRACING (RMS SYM): 65000A PER PWR CD SPEC: 75C323038A SH. 1
 DEV MIN FLT RATING (RMS SYM): 65000A PER PWR CD SPEC: 75C323038A SH. 1

Top Conduit Area

Front Plan View

Bottom Conduit Area

Front Plan View

PROJECT NAME: Electrify America
 DWG TITLE: Conduit View
 CREATED BY: Shinder, Tomi
 CHECKED BY: Spectra Series
 DATE: 4/5/2019 8:53:54 PM
 QUOTE NO: U7Z-00015645
 REVISION NO: 28

DWG NO: 38
 ITEM NO: PUBLIC SERVICE 1600A
 MARKS: U7Z-00015645
 SHEET: 5 of 5

W2 Date: 10/8/2019 8:15:21 PM BAB75305-1785-4528-A332-DEE37AADE91C

PANEL MARKS:
 TECHNICAL SPECIFICATIONS

QUANTITY: 1
 AMPS: 125A
 VOLTAGE: 208Y/120V
 SYSTEM: 3P4W
 KAIC: 10 KAIC 5C FULLY RATED
 MATERIAL: ALUMINUM BUS
 ENCLOSURE: NEMA 1 ENCLOSURE
 MOUNTING: SURFACE
 SECTION: 1

MAIN DISCONNECT DEVICE

FEED DIR: Top
 TYPE: Breaker
 AMPS: 100
 CATALOG NO.: THQB32100
 POLES: 3
 LUGS: 1-lug/phase 1-cable/lug #14-1/0

OPTIONS INCLUDED

QTY	DESCRIPTION
1	Aluminum Bus Heat Rated
2	Ground-Box bonded TGL2
1	Ground main lug TGL20
1	Equipment Panel Interior Only

BRANCH DEVICES

QTY	AMPS/POLES	DESCRIPTION
6	20A /1P	THQB1120
1	40A /2P	THQB1140
3	20A /1P	Space THQB1120
6	30A /1P	THQB1130
1	15A /1P	THQB1115

EA-LP-009

PANEL INFORMATION

PROPERTY	ADJUSTMENT
INTERIOR	
ROCK	No Box Supplied
FRONT	No Front Supplied
THROUGH	
THROUGH END	
PULL BOX	
DIMENSIONS	19"X29"X5.75"

PROJECT NAME: Electrify America
 DWG TITLE: A-Series Panelboard
 CREATED BY: Shinder, Tomi
 CHECKED BY: Spectra Series
 DATE: 4/5/2019 8:53:54 PM
 QUOTE NO: U7Z-00015645
 REVISION NO: 28

DWG NO: 38
 ITEM NO: PUBLIC SERVICE 1600A
 MARKS: U7Z-00015645
 SHEET: 1 of 5

W2 Date: 10/8/2019 8:15:21 PM BAB75305-1785-4528-A332-DEE37AADE91C

ACCESS TO: Front Only PHASE: 3P4W PUBLIC SERVICE ELECTRIC & GAS N.J.
 CLASS: 2 AMPERE: 1600A CODE: PS
 LABEL: UL SE BUS MTL-A 750Ain7 C/T TYPE: Window
 VOLTAGE: 480/277V PLATE: Tin Plate P/T TYPE:
 STYLE: Sub-Dr RATING: Fully Rated PER GE DWG: 75C143992 PVS
 BUS BRACING (RMS SYM): 65000A PER PWR CD SPEC: 75C323038A SH. 1
 DEV MIN FLT RATING (RMS SYM): 65000A PER PWR CD SPEC: 75C323038A SH. 1

Switchboard / Device Information

Circuit No.	Device	Amps	Poles	Nameplates	Lugs/Cable Size	Notes
Main	SS	1600	3			12, 13, 14, 16, 17, 19, 20, 21, 22, 24, 25
1	SELA	15	2		(1) - #12 - 3/0 AWG CU - Mech. AL	
2	SGLA4	300	3		(2) - 300 - 500 MCM CU - Mech. AL	20
3	SGLA4	300	3		(2) - 300 - 500 MCM CU - Mech. AL	20
4	SGLA4	300	3		(2) - 300 - 500 MCM CU - Mech. AL	20
5	SGLC4	350	3		(2) - 300 - 500 MCM CU - Mech. AL	15, 16, 18, 20, 22, 23
6	SGLA4	400	3	(SPACE AND BUS)		28
7	SGLA4	300	3		(2) - 300 - 500 MCM CU - Mech. AL	20
8	SGLA4	300	3		(2) - 300 - 500 MCM CU - Mech. AL	20
9	SELA	50	3		(1) - #12 - 3/0 AWG CU - Mech. AL	
10	SELA	15	3		(1) - #12 - 3/0 AWG CU - Mech. AL	
LP1	AQ	100	3			10, 11
T1	XFMR					9, 10, 26, 27, 30

NOTES:

- Switchboard furnished with a rainproof TYPE 3R (non-walk-in) enclosure.
- NOTE: See plan view for details. Need additional 1 inch space clearance on top and 1.5 inch clearance on the rear of the swdb.
- Equipment ground bus furnished with lugs.
- Switchboard qualified for Seismic Ratings per publication DET-463 and OSP-0044-10.
- Shipping splits between each section, ship each section separately.
- Switchboard furnished with section space heaters.
- Switchboard furnished with thermostat control for section space heaters.
- Switchboard furnished with lightning arrester.
- Switchboard furnished with fully rated panel.
- Transformer specified. Refer to BOM for details.
- Switchboard furnished with Factory Interconnecting Cables per the Wire and Cable schedule.
- Lighting Panel specified. Refer to BOM and Drawings for details.
- Device is 100 percent rated.
- Device furnished with 120V electric operator.
- Device furnished with ETU (LSIGM) programmer.
- Device furnished with MET (LSIGM) programmer.
- Device is furnished with integral ground fault protection.
- Device is furnished with RELT (Reduced Energy Let Through).
- 4 wire GROUND FAULT Load.
- Device furnished with 240V AC/125-250 DC auxiliary switches (SPDT).
- Device furnished with padlocking provisions.
- Device furnished with 120V AC Remote Close Solenoid.
- Device furnished with 120V AC undervoltage release.
- Device furnished with 1 Gold-Plated 30VDC auxiliary switches (SPDT).
- Device furnished with 120V AC/25V DC shunt trip.
- Device requires RELT or ZSI feature if Authority having jurisdiction has adopted NEC 2014 code requirements.
- Transformer Primary is provided with factory interconnection cables, see Wire and Cable schedule.
- Transformer Secondary is provided with factory interconnection cables, see Wire and Cable schedule.
- Lugs not furnished with SPACE AND BUS.
- The Primary Transformer is protected by 50 Amp Breaker

PROJECT NAME: Electrify America
 DWG TITLE: Device Information
 CREATED BY: Shinder, Tomi
 CHECKED BY: Spectra Series
 DATE: 4/5/2019 8:53:54 PM
 QUOTE NO: U7Z-00015645
 REVISION NO: 28

DWG NO: 38
 ITEM NO: PUBLIC SERVICE 1600A
 MARKS: U7Z-00015645
 SHEET: 1 of 5

W2 Date: 10/8/2019 8:15:21 PM BAB75305-1785-4528-A332-DEE37AADE91C



ELECTRIFY AMERICA, LLC.
 2003 EDWIND HALLEY DRIVE
 SUITE 200
 RESTON, VA 20191



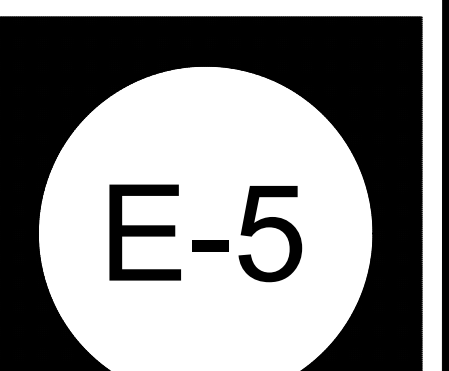
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 902 CARNEGIE CENTER BLVD., SUITE
 140, PRINCETON, NJ 08540
 PHONE: 609-981-2428
 WWW.KIMLEY-HORN.COM

CERTIFICATE OF AUTHORIZATION NO. 24GA2803930

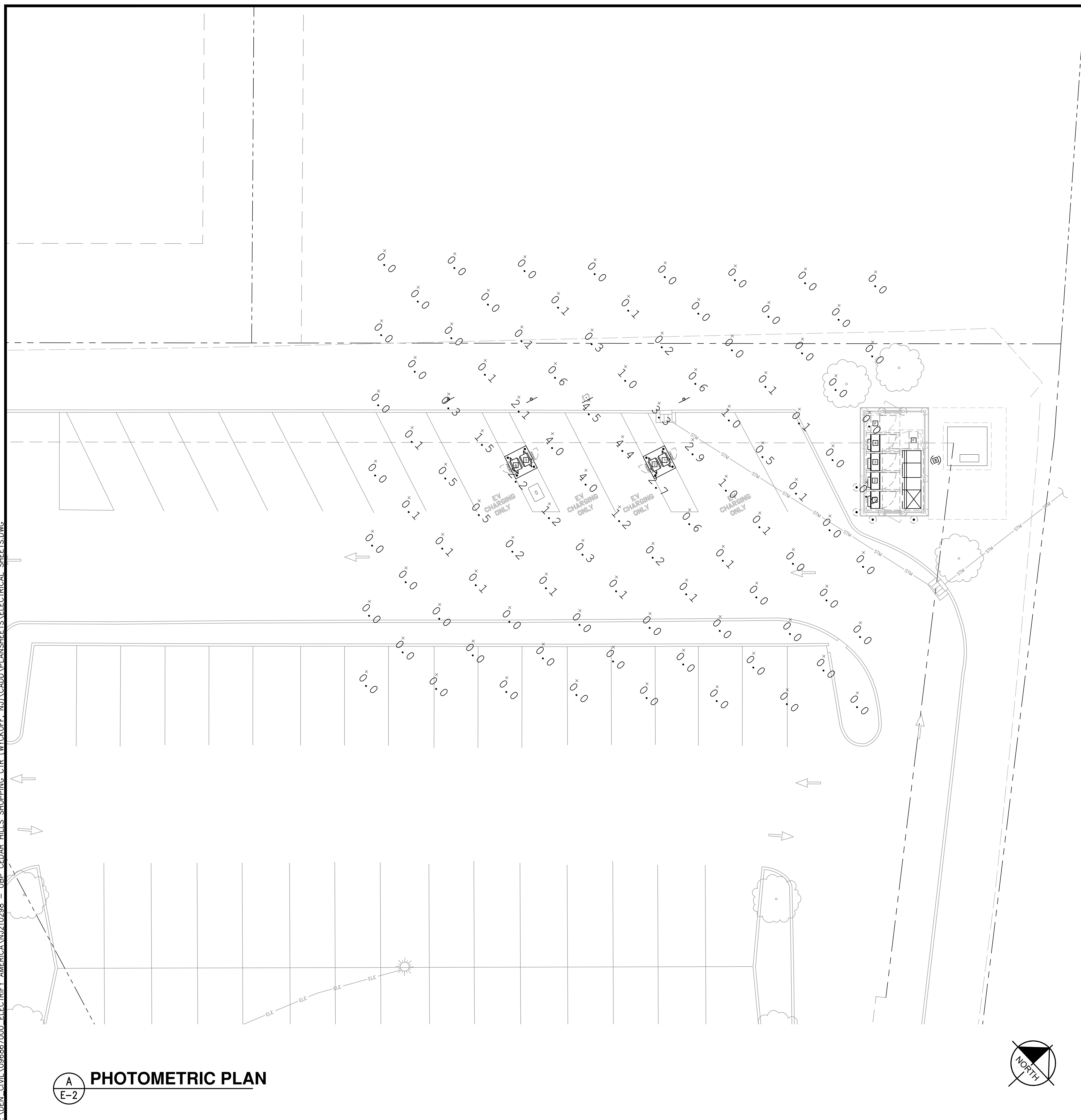
Job Name:
CEDAR HILLS SHOPPING CENTER

525 CEDAR HILL AVE
 WYCKOFF, NJ 07481

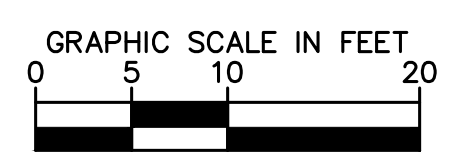
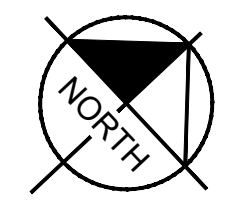
Project #: N210298
 File: CONSTRUCTION DOCUMENTS
 Drawn by: JRI
 Date(s): 06/22/2020
 07/28/2020 REV #1 CD90 PLANS
 08/11/2020 REV #2 CD100 PLANS



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A
E-2 **PHOTOMETRIC PLAN**



NOTES

1. ALL MEASUREMENTS ARE SHOWN IN FOOTCANDLES.
2. FIXTURE IS LITHONIA KAX1 LED P1 50K R3 MVOLT.
3. MOUNTING HEIGHT IS 15'.
4. FIXTURE IS LITHONIA NIGHT TIME FRIENDLY COMPLIANT. IT COMPLIES WITH LEED AND GREEN GLOBES CRITERIA FOR WASTEFUL UPLIGHT.



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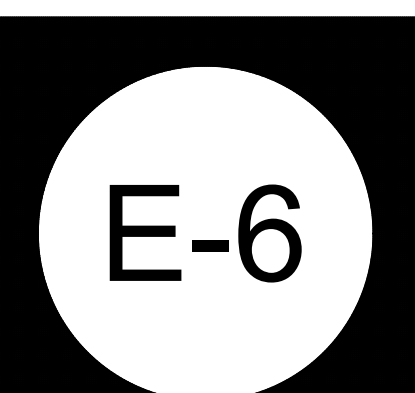
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CERTIFICATE OF AUTHORIZATION No. 24GA2803930

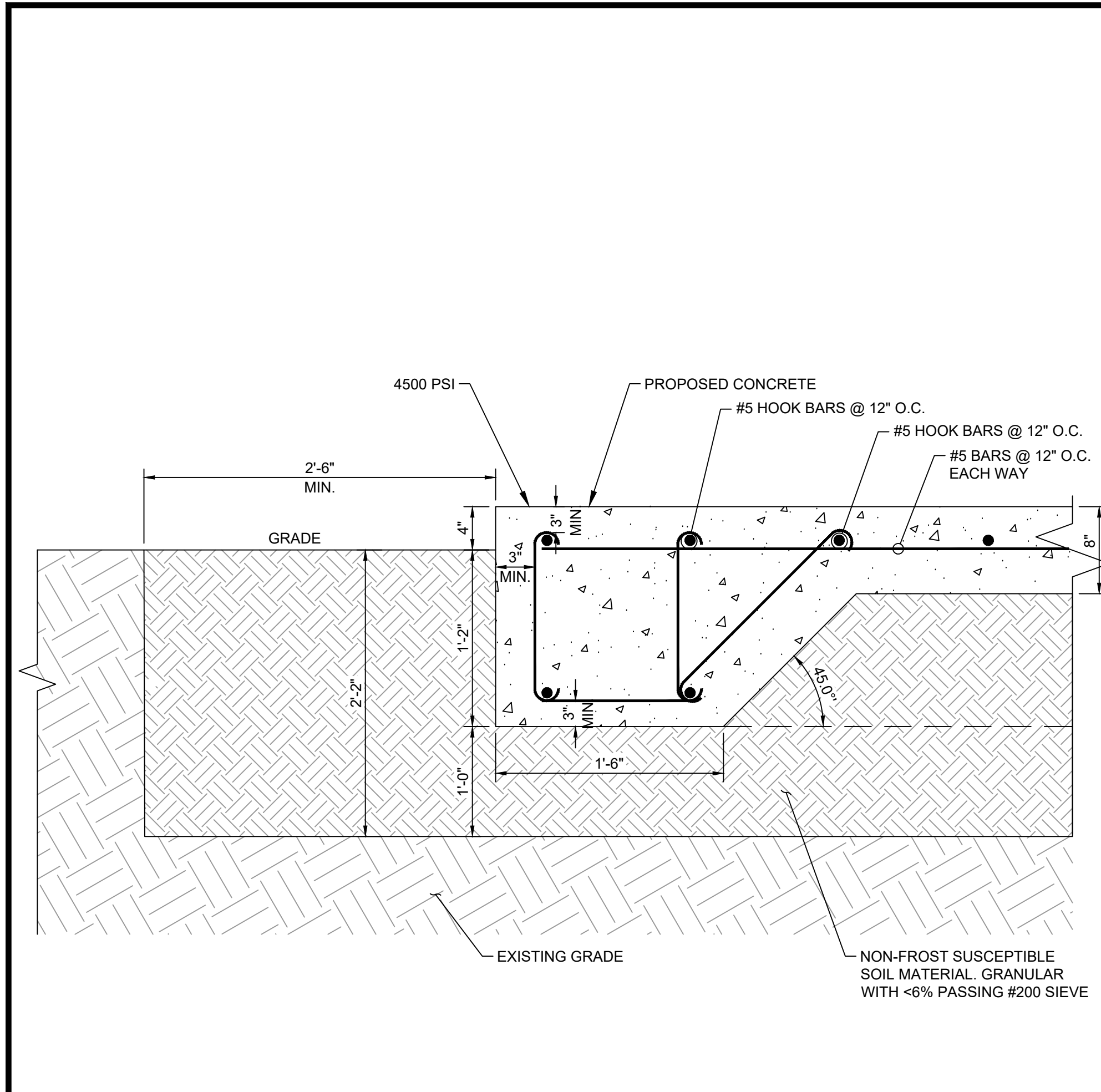
Job Name:
**CEDAR HILLS
SHOPPING
CENTER**

525 CEDAR HILL AVE
WYCKOFF, NJ 07481

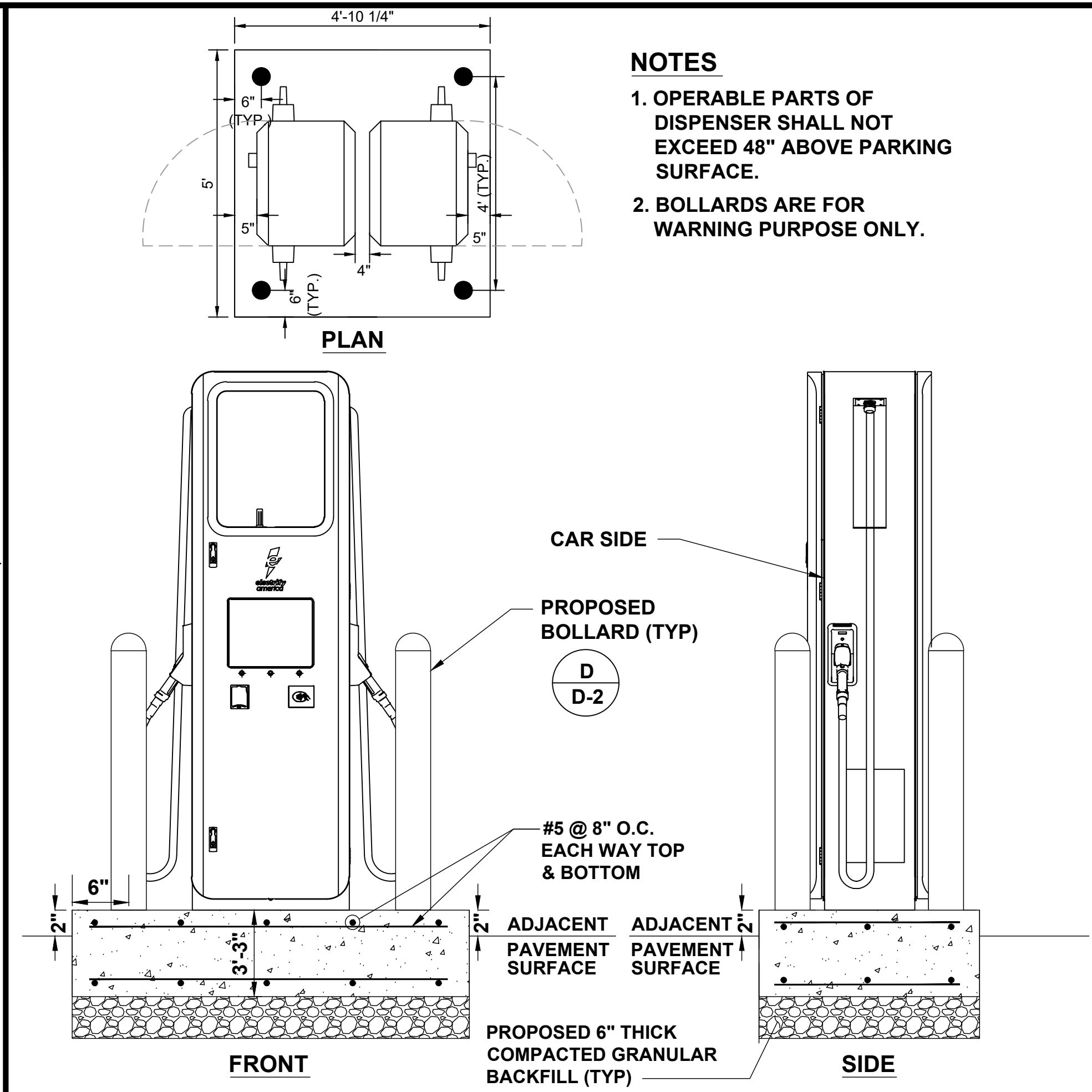
SHEET DESCRIPTION:
PHOTOMETRICS

Project #: NJ210298
 File: CONSTRUCTION DOCUMENTS
 Drawn by: JRI
 Date(s): 06/22/2020
 07/28/2020 REV #1 CD90 PLANS
 08/11/2020 REV #2 CD100 PLANS

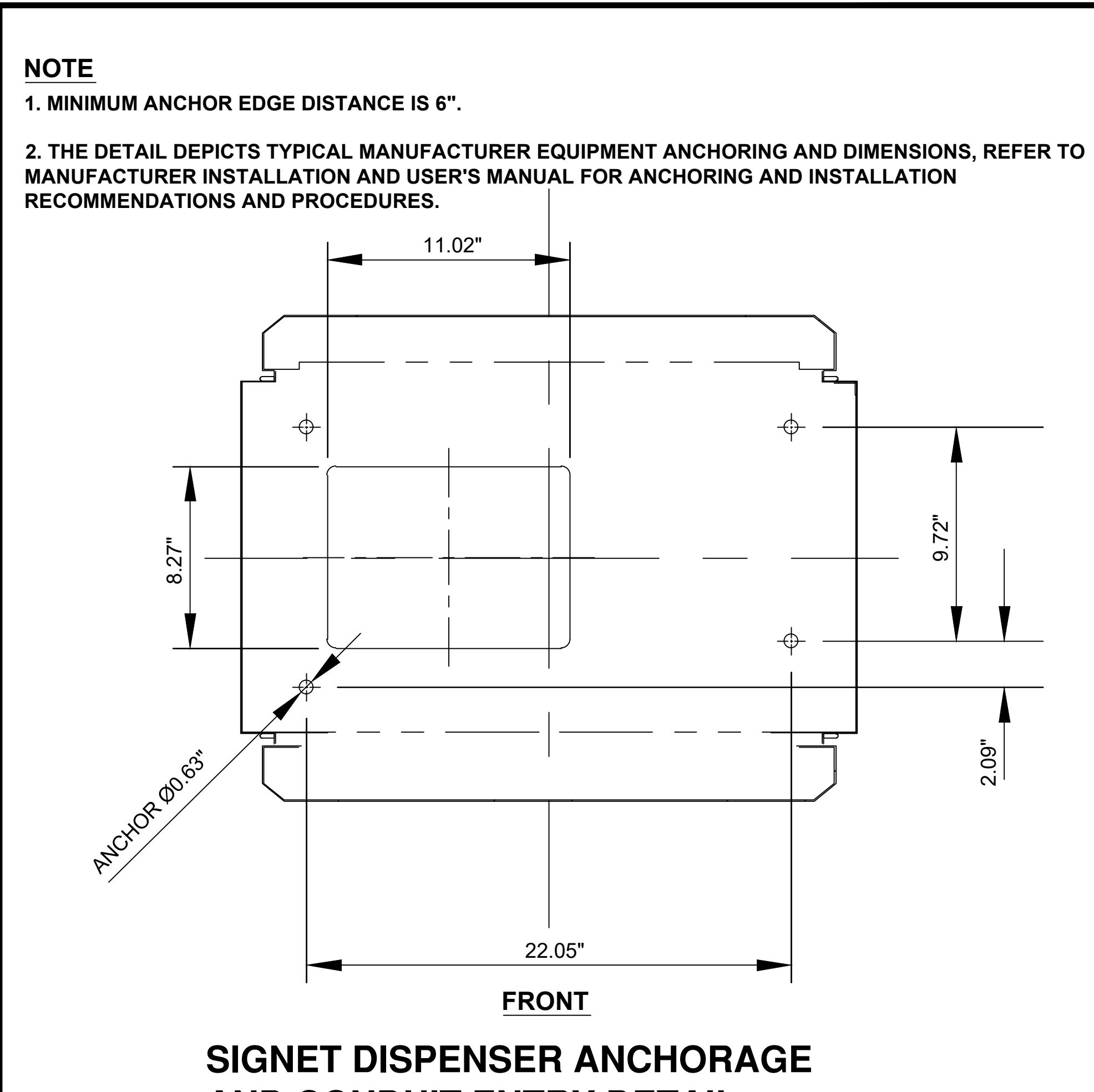




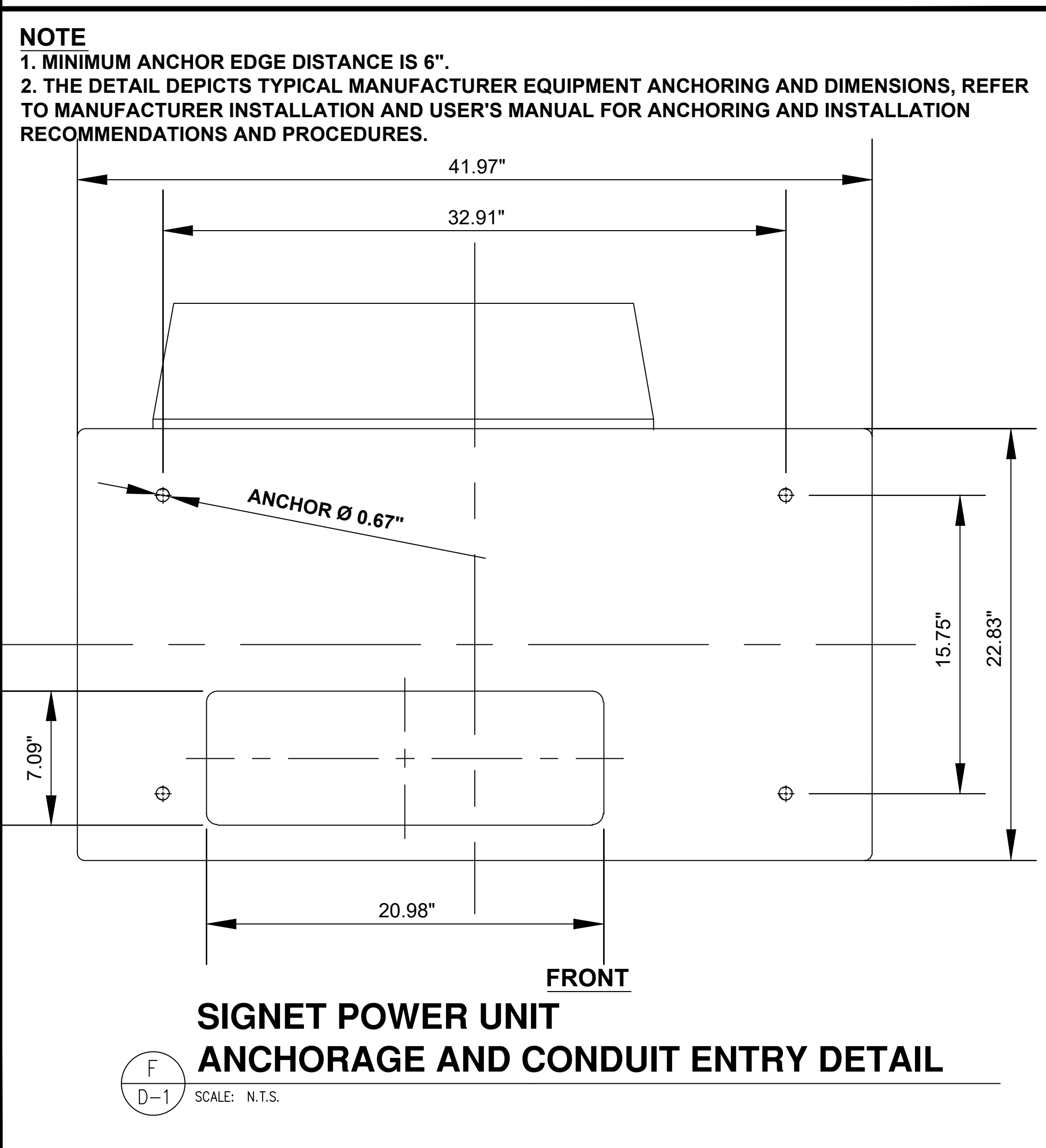
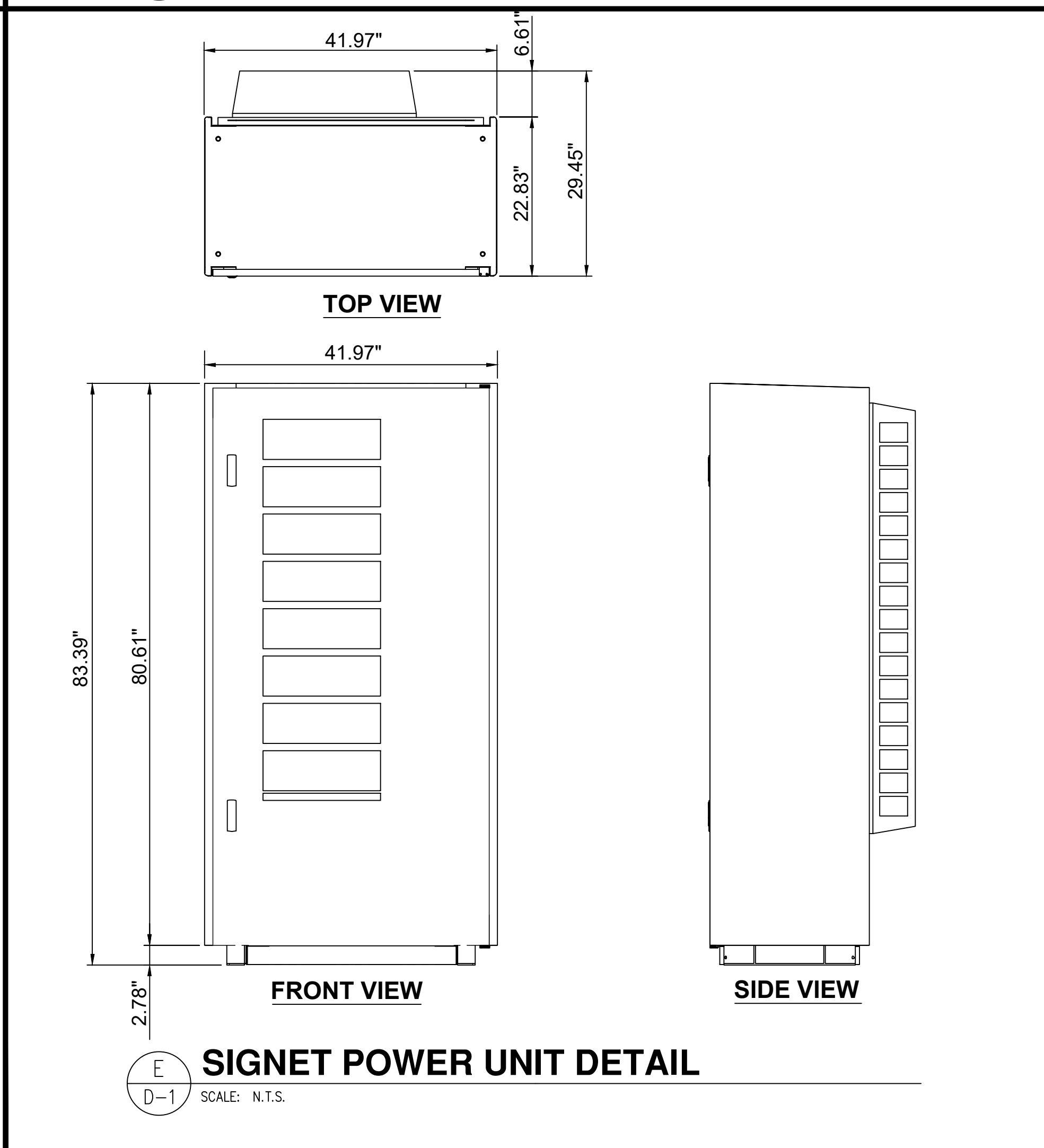
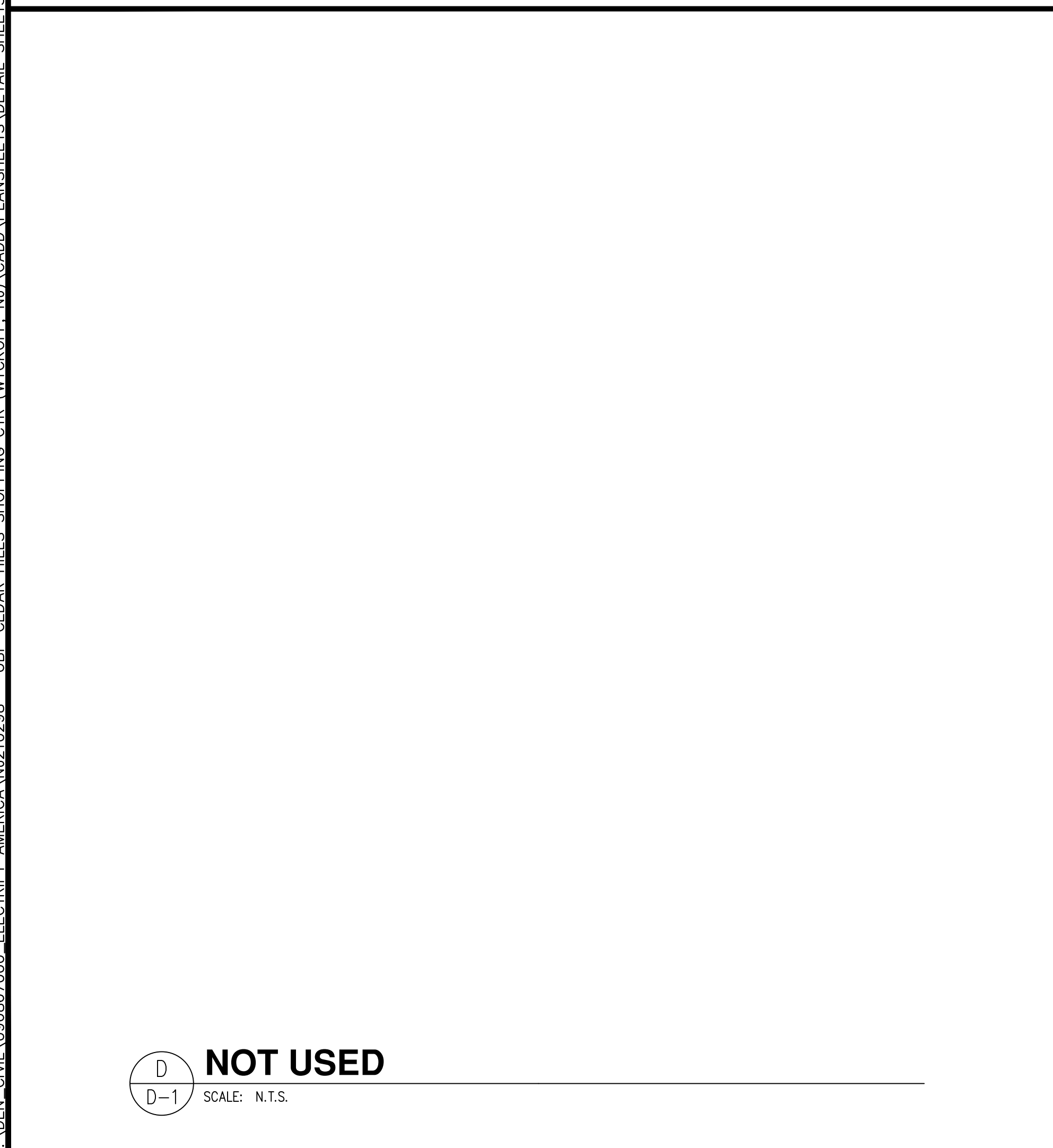
A
D-1 **CONCRETE PAD THICKENED EDGE DETAIL**
 SCALE: N.T.S.



B
D-1 **SIGNET DISPENSER FOOTING DETAIL**
 SCALE: N.T.S.



C
D-1 **SIGNET DISPENSER ANCHORAGE AND CONDUIT ENTRY DETAIL**
 SCALE: N.T.S.



F
D-1 **SIGNET POWER UNIT ANCHORAGE AND CONDUIT ENTRY DETAIL**
 SCALE: N.T.S.



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 CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:
CEDAR HILLS SHOPPING CENTER

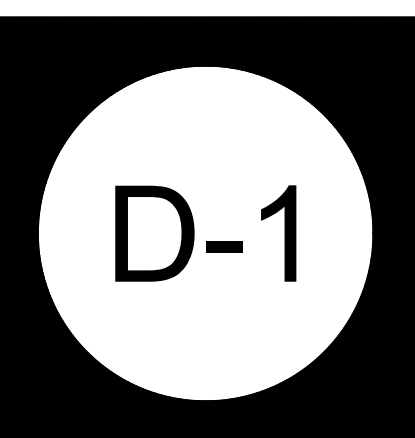
525 CEDAR HILL AVE
 WYCKOFF, NJ 07481

T.W. DIGGAN

T.W. Diggan
 08/23/2020
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENCE No. 4447300

SHEET DESCRIPTION:
 DETAILS

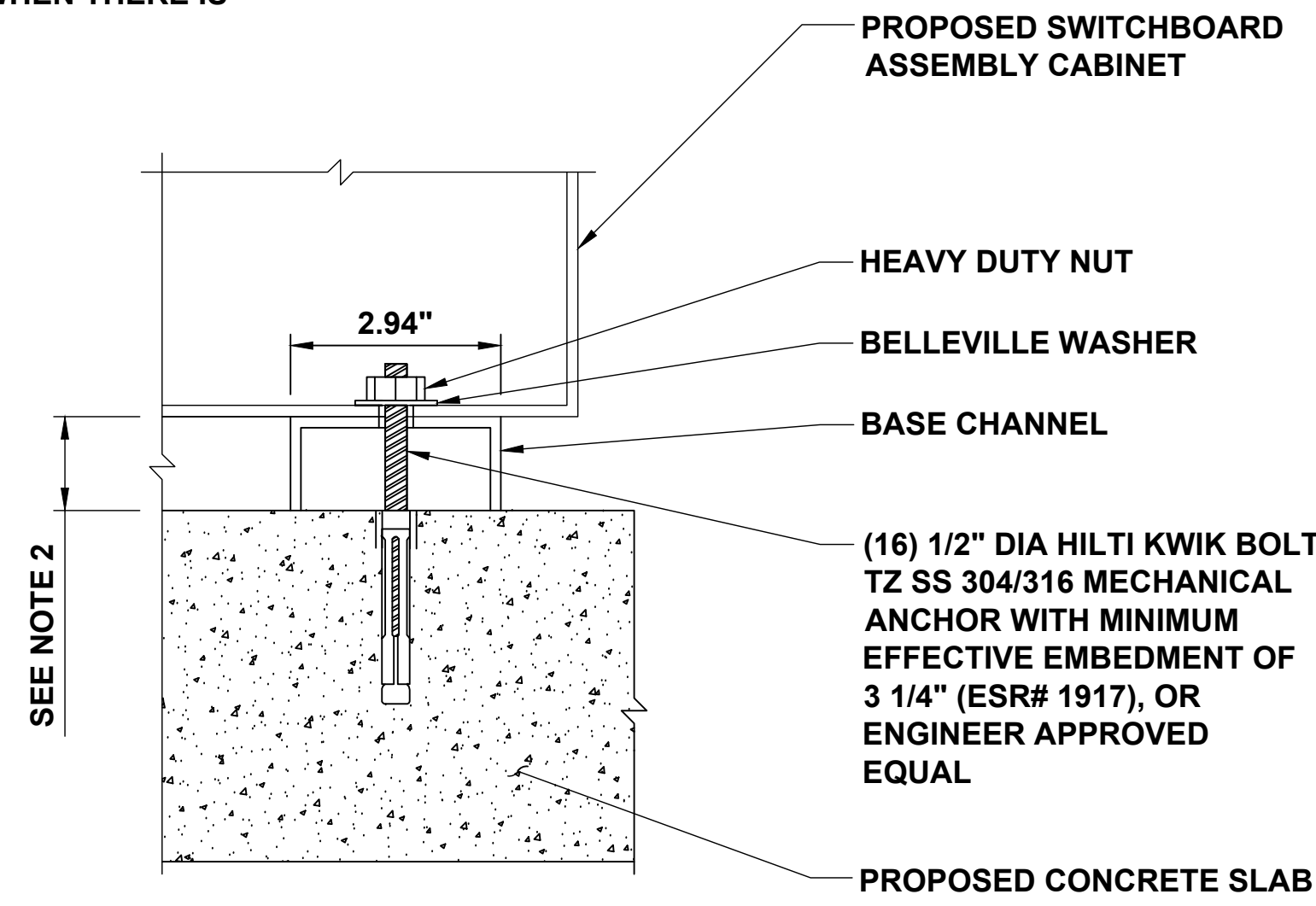
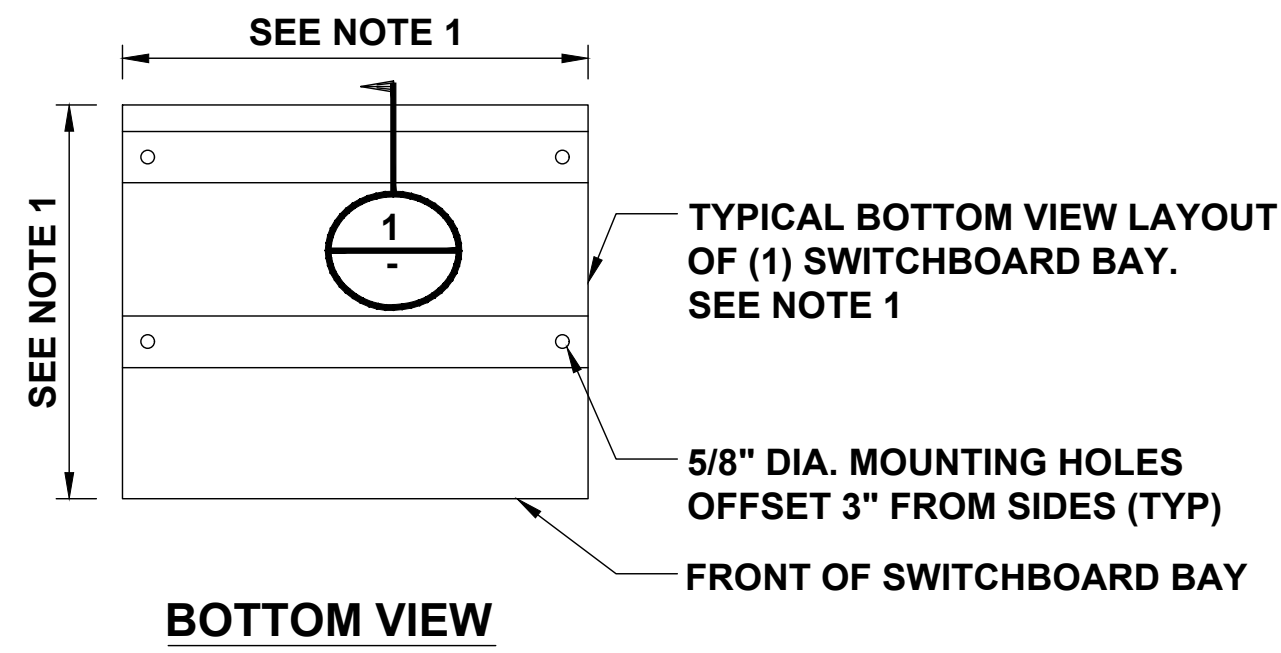
Project #: NJ210298
 File: CONSTRUCTION DOCUMENTS
 Drawn by: JRI
 Date(s): 06/22/2020
 07/28/2020 REV #1 CD90 PLANS
 08/11/2020 REV #2 CD100 PLANS



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NOTES

- SEE FLOOR PLAN IN REFERENCED SWITCHBOARD ASSEMBLY DRAWINGS FOR MOUNTING HOLE LOCATION AND SWITCHBOARD BAY DIMENSIONS.
- SEE ELEVATION IN REFERENCED SWITCHBOARD ASSEMBLY DRAWINGS FOR BASE CHANNEL DIMENSION.
- MINIMUM 10 1/2" CONCRETE EDGE DISTANCE REQUIRED FOR PROPOSED ANCHORAGE.
- CONTRACTOR TO MOUNT THE KEYSAFE BOX ON THE SWITCHGEAR WHEN THERE IS NO FENCE



SECTION 1

SWITCHBOARD MOUNTING DETAIL

A
D-2 SCALE: N.T.S.

NOTES

- BOLLARD IS FOR WARNING PURPOSES ONLY.
- BOLLARD DETAIL FOR BOLLARDS AROUND ELECTRIFY AMERICA EQUIPMENT.
- CONTRACTOR TO PROVIDE (2) 6' LONG, 1/2" THICK FOAM STRIPS CROSSED OVER TOP OF STEEL PIPE TO STABILIZE SLIP COVER.

STAINLESS STEEL SLIP COVER. PART #CSS4000 (PROVIDED BY OTHERS)

3" SCHEDULE 80 STEEL PIPE FILLED WITH CONCRETE

M0.39" x 0.59" SCREW (TYP OF 3)

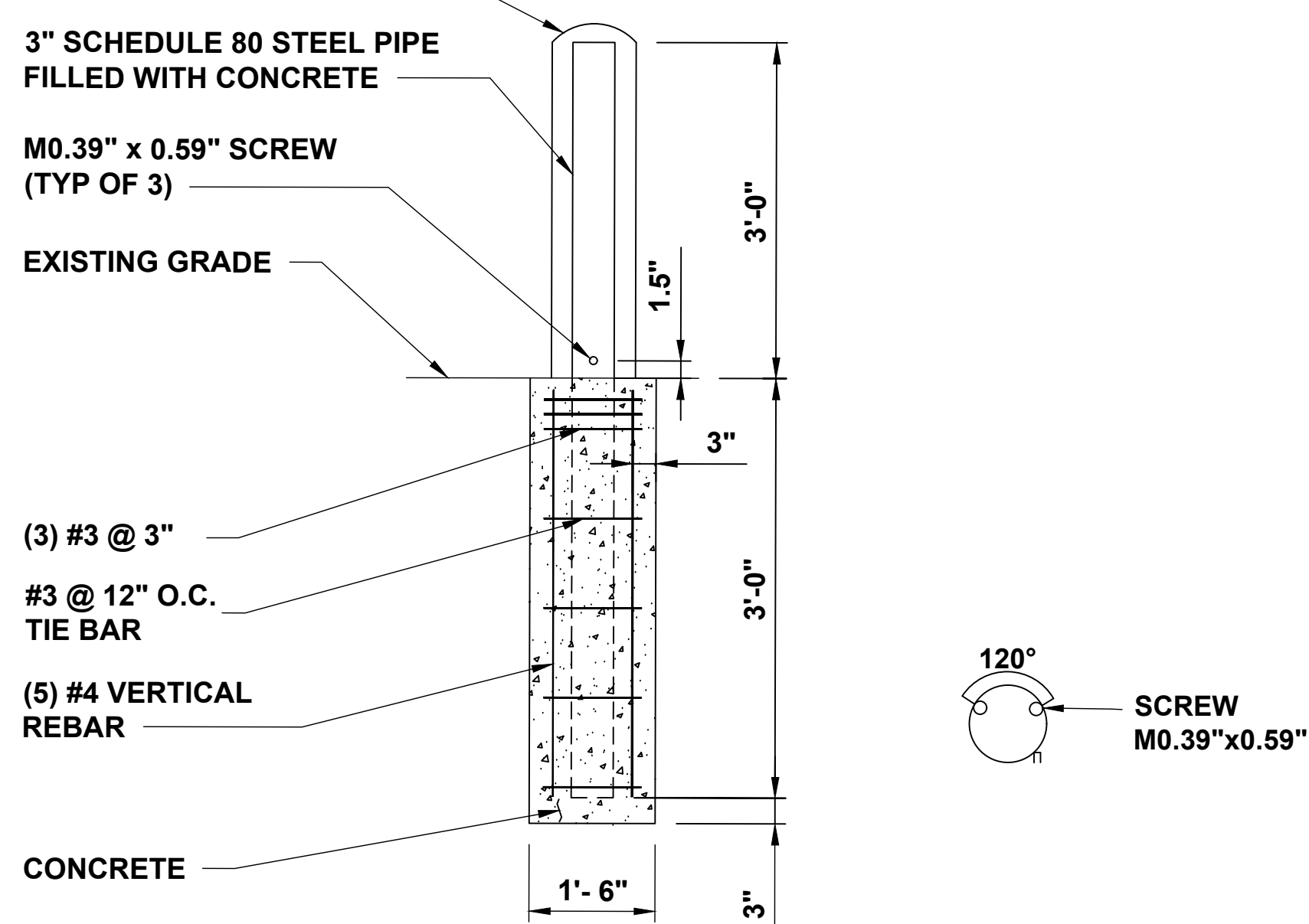
EXISTING GRADE

(3) #3 @ 3"

#3 @ 12" O.C. TIE BAR

(5) #4 VERTICAL REBAR

CONCRETE

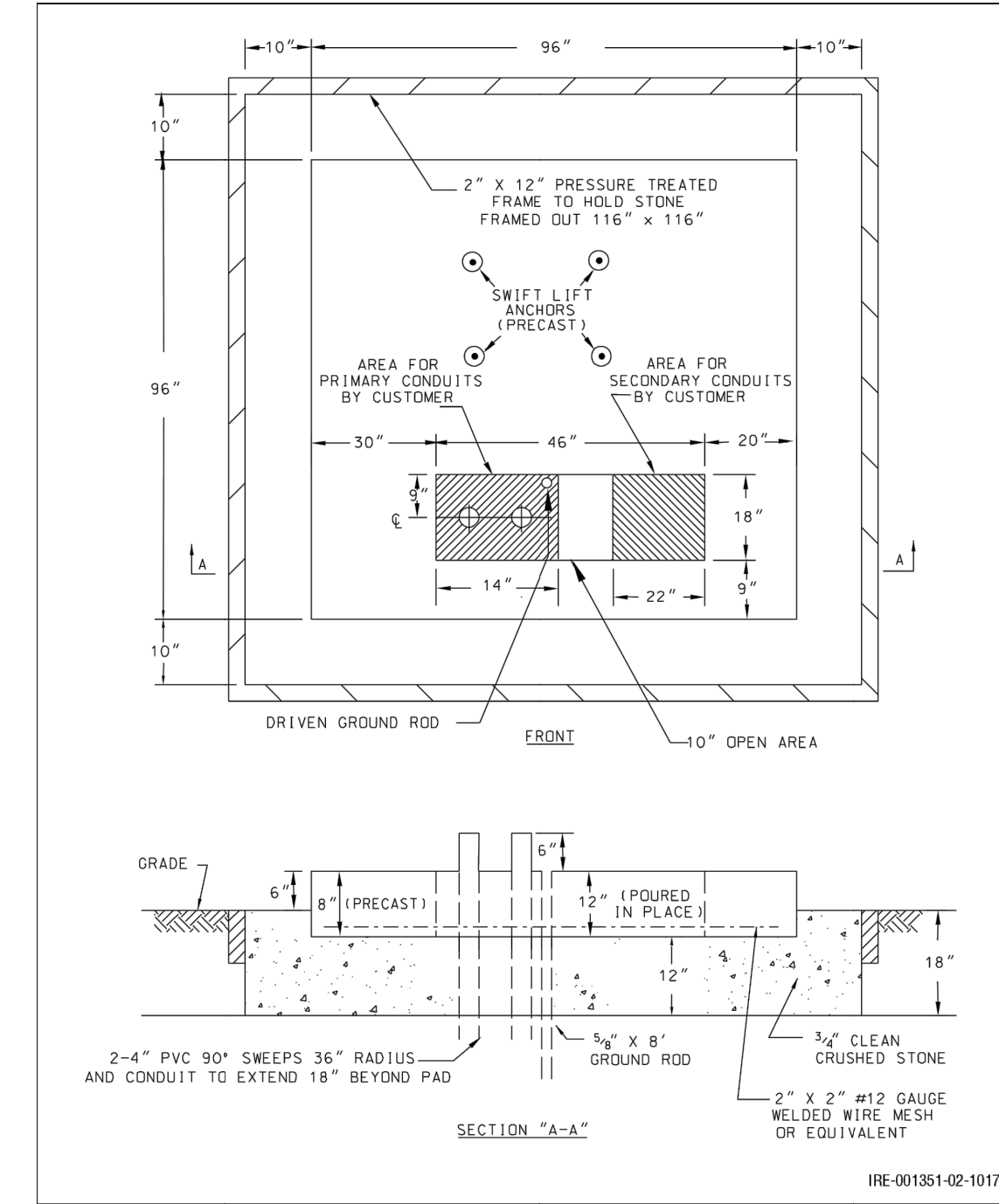


WARNING BOLLARD DETAIL

B
D-2 SCALE: N.T.S.



Figure 10.41: Three-Phase Padmounted Transformer – Type III-A (Concrete)



PSE&G TRANSFORMER PAD DETAIL

C
D-2 SCALE: N.T.S.

NOTES

- BOLLARD IS FOR WARNING PURPOSES ONLY.
- BOLLARD DETAIL FOR BOLLARDS AROUND ELECTRIFY AMERICA EQUIPMENT.
- CONTRACTOR TO PROVIDE (2) 6' LONG, 1/2" THICK FOAM STRIPS CROSSED OVER TOP OF STEEL PIPE TO STABILIZE SLIP COVER.

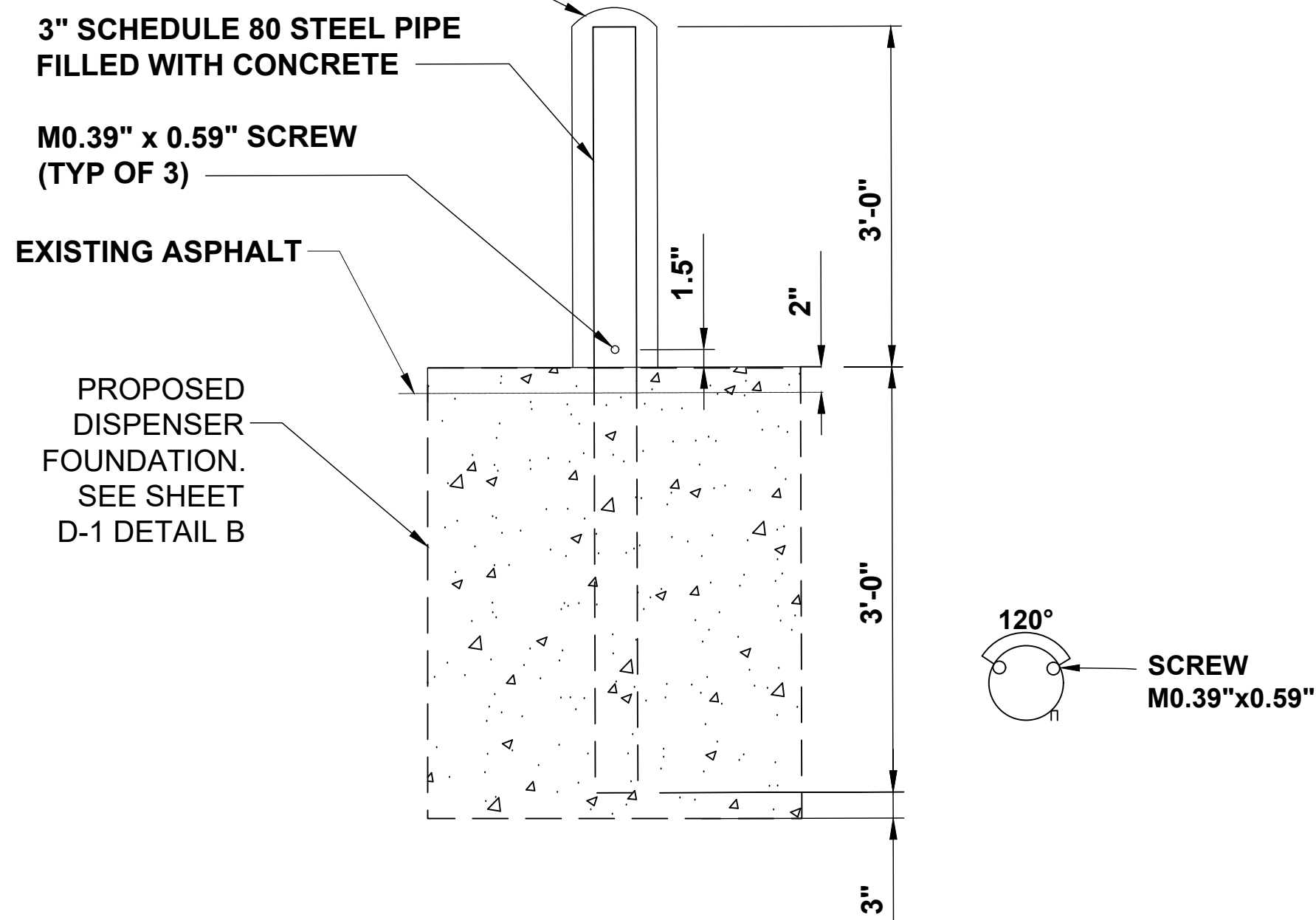
STAINLESS STEEL SLIP COVER. PART #CSS4000 (PROVIDED BY OTHERS)

3" SCHEDULE 80 STEEL PIPE FILLED WITH CONCRETE

M0.39" x 0.59" SCREW (TYP OF 3)

EXISTING ASPHALT

PROPOSED DISPENSER FOUNDATION. SEE SHEET D-1 DETAIL B



DISPENSER WARNING BOLLARD DETAIL

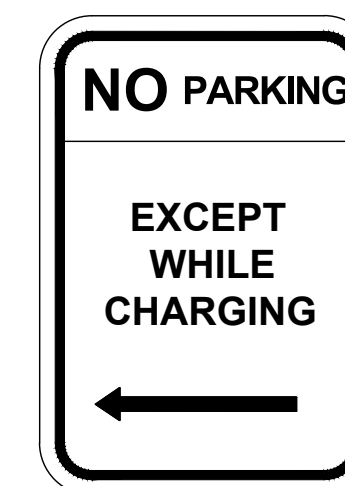
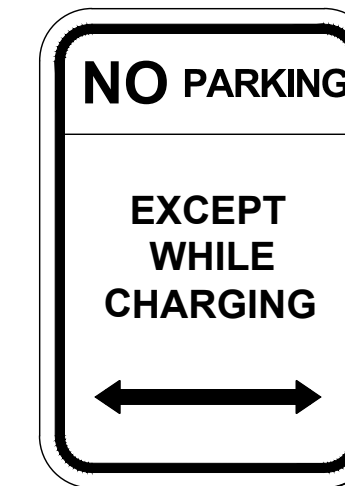
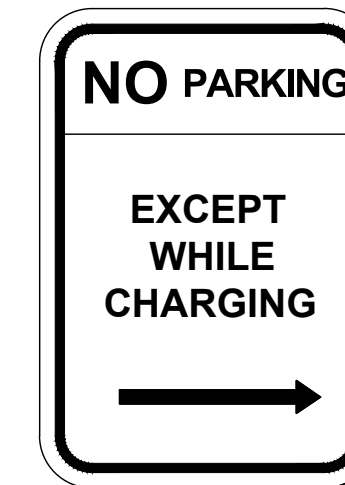
D
D-2 SCALE: N.T.S.

NOT USED

E
D-2 SCALE: N.T.S.

NOTES

- BOTTOM OF LOWEST SIGN SHALL BE INSTALLED 66" ABOVE GRADE.
- TO CONFORM WITH MUTCD SIGNS R-113, R-111-L AND R-111-R.
- SIGNS ARE TO HAVE A WHITE RETROREFLECTIVE BACKGROUND WITH RED RETROREFLECTIVE LETTERS, ARROW, AND BORDER



NO PARKING SIGN

F
D-2 SCALE: N.T.S.



ELECTRIFY AMERICA, LLC.
2003 EDWARD HALLEY DRIVE
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CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:

CEDAR HILLS SHOPPING CENTER

525 CEDAR HILL AVE
WYCKOFF, NJ 07481

T.W. DIGGAN

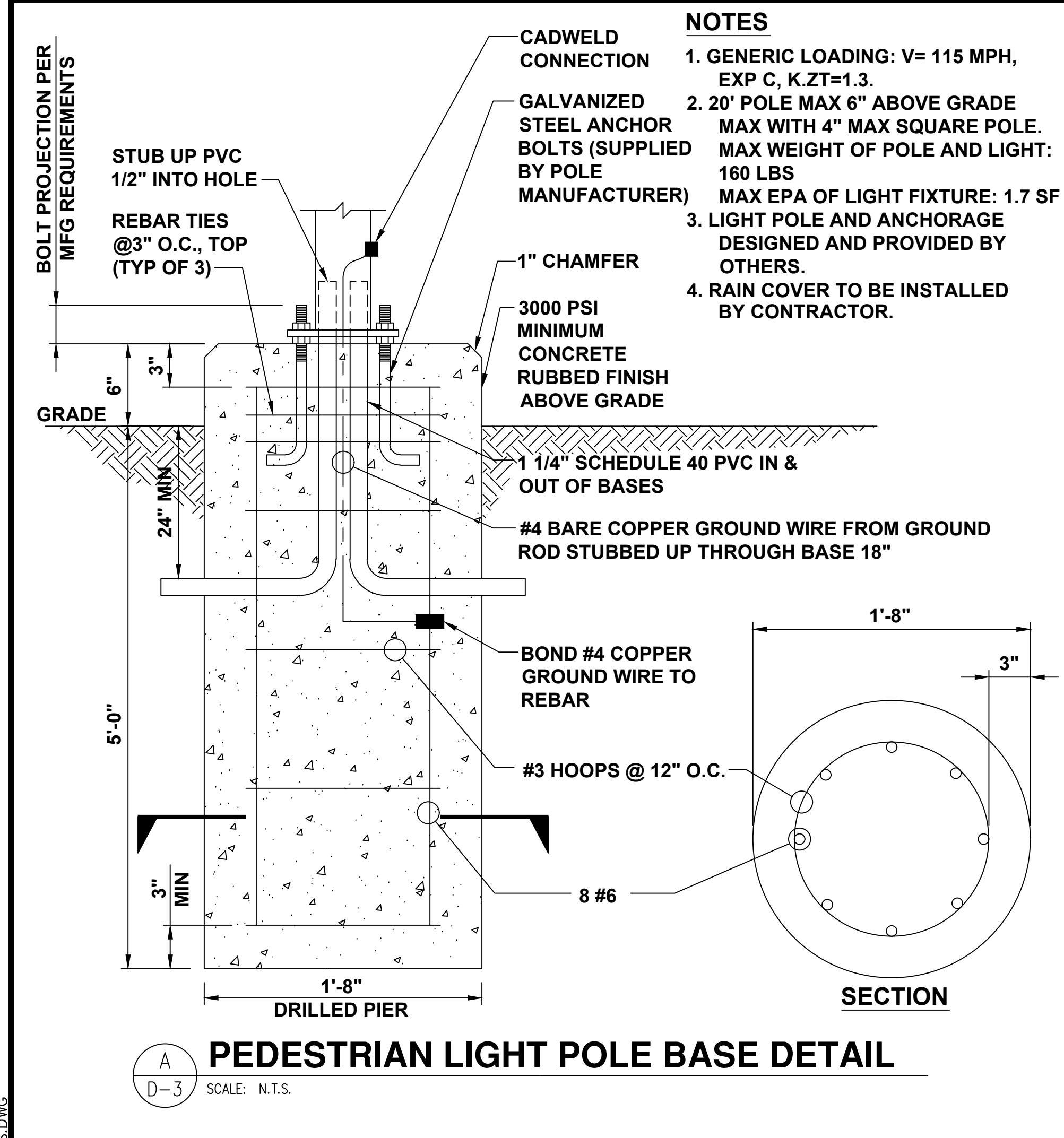
T.W. Diggan
08/23/2020
PROFESSIONAL ENGINEER
NEW JERSEY LICENCE No. 4447300

SHEET DESCRIPTION:
DETAILS

Project #: N210298
File: CONSTRUCTION DOCUMENTS
Drawn by: JRI
Date(s): 06/22/2020
07/28/2020 REV #1 CD90 PLANS
08/11/2020 REV #2 CD100 PLANS

D-2

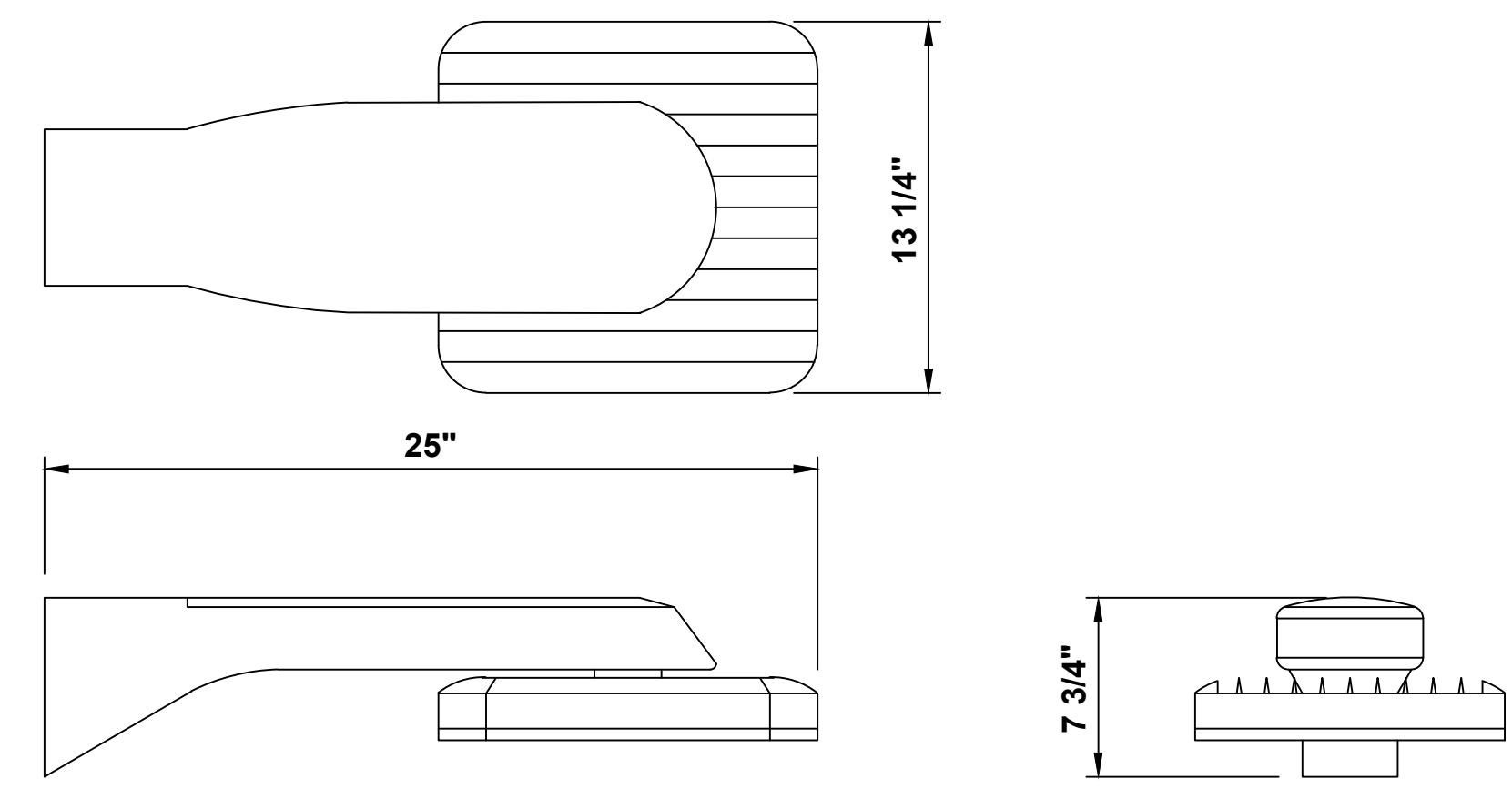
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- NOTES**
1. GENERIC LOADING: V= 115 MPH, EXP C, K.ZT=1.3.
 2. 20' POLE MAX 6" ABOVE GRADE MAX WITH 4" MAX SQUARE POLE. MAX WEIGHT OF POLE AND LIGHT: 160 LBS. MAX EPA OF LIGHT FIXTURE: 1.7 SF
 3. LIGHT POLE AND ANCHORAGE DESIGNED AND PROVIDED BY OTHERS.
 4. RAIN COVER TO BE INSTALLED BY CONTRACTOR.

LITHONIA LIGHTING/ KAX LED SIZE 1 LED AREA LUMINAIRE
 LITHONIA KAX1 LED P1 50K R3 MVOLT RPA DBLXD
 PHOTOCCELL: DLL127F 1.5 JU

LITHONIA LIGHTING ANCHOR BASE POLE
 RSS 15 4-5B DM19AS DBL



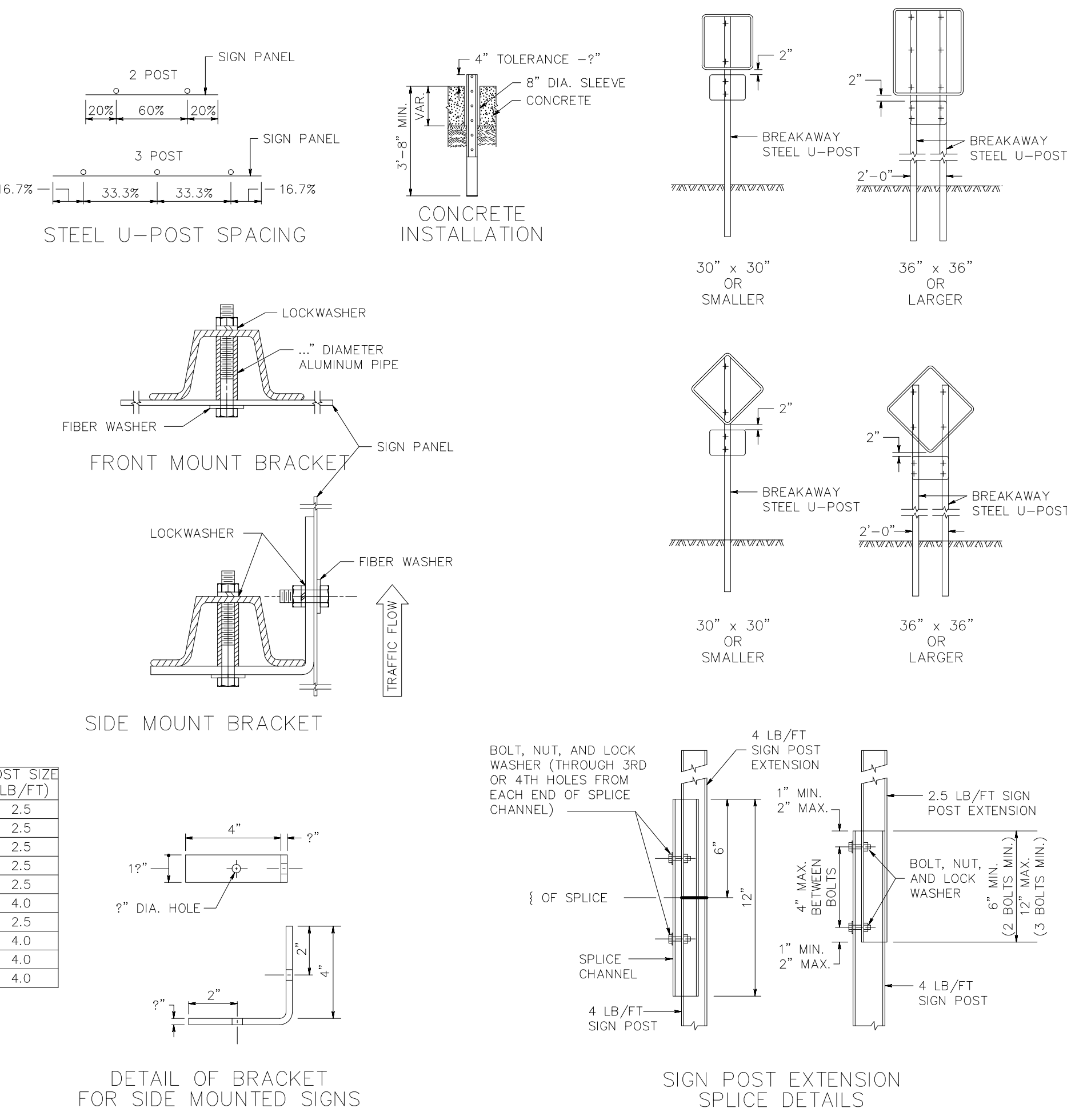
B PEDESTRIAN LIGHT FIXTURE
 SCALE: N.T.S.

C NOT USED
 SCALE: N.T.S.

- GENERAL NOTES:**
1. ALL POSTS TO BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND AS INDICATED BELOW.
 2. ALL SMALL SIGN SUPPORTS TO BE OF THE BREAKAWAY TYPE WITH EXCEPTION OF THOSE INSTALLED BEHIND GUIDE RAIL OR OTHER ROADSIDE BARRIER.
 3. ALL STEEL POSTS AND BRACKETS TO BE CUT, BENT, AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING, GALVANIZING TO BE ACCORDING TO ASTM A123.
 4. ALL STEEL U-POST SIGN SUPPORTS MUST BE INSTALLED FACING THE PREDOMINANT TRAFFIC FLOW. USE A MOUNTING BRACKET ON SIDE MOUNTED SIGNS SUCH AS "ONE WAY" SIGNS INSTALLED IN MEDIANS.
 5. SIGN PANEL SIZES ARE TO DETERMINE POST TYPE AND NUMBER AS SHOWN ON THIS DETAIL.
 6. BOLTS ARE NOT TO PROTRUDE MORE THAN 1/2" BEYOND THE NUT WHEN TIGHT, BUT ARE TO ENGAGE ALL THREADS IN THE NUT.
 7. WHEN SIGNS ARE INSTALLED ON SLOPES 10H:1V OR FLATTER, THE MINIMUM VERTICAL CLEARANCE REQUIREMENTS FOR SIGNS ARE:
 FOR SINGLE POST INSTALLATIONS - THE MINIMUM DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE BOTTOM OF ANY PANEL MUST BE 7 FEET, AND THE MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO THE TOP OF ANY SIGN PANEL MUST BE 9 FEET.
 FOR MULTI-POST INSTALLATIONS - THE MINIMUM DISTANCE BETWEEN THE EDGE OF PAVEMENT AND THE BOTTOM OF A MAIN SIGN PANEL MUST BE 7 FEET.
 SECONDARY SIGN PANELS (LAND SERVICE HIGHWAYS) - THE MINIMUM DISTANCE BETWEEN THE EDGE OF PAVEMENT AND THE BOTTOM OF A SECONDARY SIGN PANEL IS 6 FEET.
 SECONDARY SIGN PANELS (INTERSTATE AND FREEWAYS) - THE BOTTOM OF THE MAIN SIGN TO BE A MINIMUM OF 8 FEET AND THE SECONDARY SIGN PANEL A MINIMUM OF 5 FEET ABOVE THE EDGE OF PAVEMENT.
 WHERE GRADING OF 10H:1V OR FLATTER CANNOT BE OBTAINED, OR WHERE CURB OR BERM IS GREATER THAN 4 INCHES, THE MINIMUM VERTICAL CLEARANCE WILL BE MEASURED FROM THE GROUND LINE TO THE BOTTOM OF THE SIGN.
 8. THE HORIZONTAL OFFSET FROM EDGE OF PAVEMENT TO EDGE OF SIGN IS DERIVED FROM SECTION 2A.19 OF THE MUTCD AS FOLLOWS:
 FOR URBAN INSTALLATIONS - IN AREAS WHERE LATERAL OFFSETS ARE LIMITED, A MINIMUM LATERAL OFFSET OF 2 FEET IS DESIRABLE. A MINIMUM OFFSET OF 1 FOOT FROM THE FACE OF THE CURB MAY BE USED IN AREAS WHERE THE SIDEWALK WIDTH IS LIMITED OR WHERE EXISTING POLES ARE CLOSE TO THE CURB.
 FOR RURAL INSTALLATIONS - 6 FEET MINIMUM DESIRABLE FROM EDGE OF SHOULDER, BUT 12 FEET MINIMUM DESIRABLE FROM EDGE OF TRAFFIC OR AUXILIARY LANE.
 FOR INTERSTATE AND FREEWAY INSTALLATIONS - 6 FEET MINIMUM DESIRABLE FROM EDGE OF SHOULDER, BUT NOT LESS THAN 12 FEET FROM THE EDGE OF TRAFFIC OR AUXILIARY LANE.
 FOR RAMP INSTALLATIONS - 6 FEET MINIMUM FROM EDGE OF ROAD.
 WHERE BEHIND GUIDE RAIL - 4 FEET MINIMUM FROM BACK OF BEAM GUIDE RAIL ELEMENT TO SIGN POST.
 9. DO NOT INSTALL PERMANENT SIGN SUPPORTS ON SLOPES GREATER THAN 10H:1V, EXCEPT WHERE GRADING OF 10H:1V CANNOT BE OBTAINED OR THE SIGN SUPPORTS WILL BE BEHIND A TRAFFIC BARRIER. THE SLOPE IS TO EXTEND A MINIMUM OF 3 FEET BEYOND THE OUTSIDE EDGE OF SIGN (SEE GRADING DETAIL FOR SLOPE TREATMENT).
 10. EXTRUDED ALUMINUM SIGN PANELS ARE NOT PERMITTED FOR USE WITH STEEL U-POST SIGN SUPPORTS.
 11. DO NOT PLACE STEEL U-POST SIGN SUPPORTS IN FRONT OF GUIDE RAIL AND THE POSTS MUST NOT STRADDLE GUIDE RAIL.
 12. TO EXTEND THE HEIGHT OF A SIGN POST, A MAXIMUM OF ONE SPLICE MAY BE MADE AND MUST BE A MINIMUM OF 9 FEET FROM THE GROUNDLINE TO CENTER LINE OF SPLICE.

U-POST SELECTION TABLE
 BREAKAWAY SIGN SUPPORT

PANEL SIZE (W x H)	# OF POSTS (LB/FT)	PANEL SIZE (W x H)	# OF POSTS (LB/FT)
18" x 18"	1 2.5	36" x 36"	2 2.5
18" x 24"	1 2.5	36" x 48"	2 2.5
24" x 24"	1 2.5	45" x 36"	2 2.5
24" x 30"	1 2.5	48" x 24"	2 2.5
24" x 36"	1 2.5	48" x 36"	2 2.5
30" x 24"	1 2.5	48" x 48"	2 4.0
30" x 30"	1 2.5	48" x 64" x 64"	2 4.0
36" x 12"	2 2.5	60" x 36"	2 4.0
36" x 36" x 36"	2 2.5	48" x 60"	2 4.0
30" x 36"	1 4.0	60" x 30"	2 4.0



D SIGN POST INSTALLATION DETAIL
 SCALE: N.T.S.

E NOT USED
 SCALE: N.T.S.



ELECTRIFY AMERICA, LLC.
 2003 EDMUND HALLEY DRIVE
 SUITE 200
 RESTON, VA 20191



© KIMLEY-HORN AND ASSOCIATES, INC.
 902 CARNEGIE CENTER BLVD., SUITE 140, PRINCETON, NJ 08540
 PHONE: 609-681-2429
 WWW.KIMLEY-HORN.COM
 CERTIFICATE OF AUTHORIZATION No. 24GA28039300

Job Name:
CEDAR HILLS SHOPPING CENTER

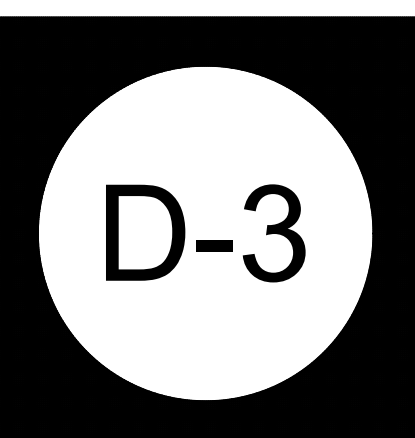
525 CEDAR HILL AVE
 WYCKOFF, NJ 07481

T.W. DIGGAN

T.W. Diggan
 08/23/2020
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENCE No. 4447300

SHEET DESCRIPTION:
 DETAILS

Project #: NJ210298
 File: CONSTRUCTION DOCUMENTS
 Drawn by: JRI
 Date(s): 06/22/2020
 07/28/2020 REV #1 CD90 PLANS
 08/11/2020 REV #2 CD100 PLANS



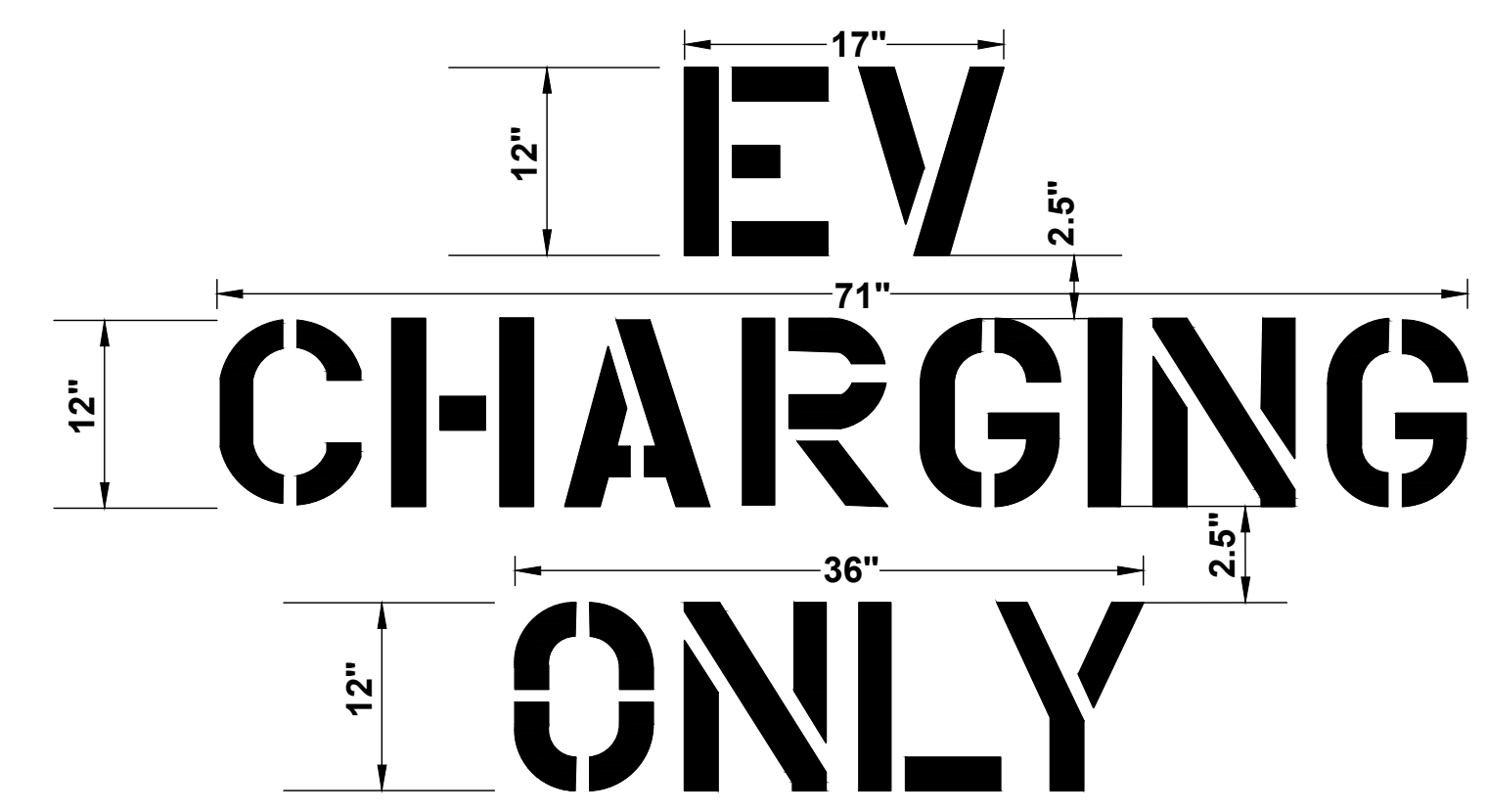
K:\DEN_CIVIL\098687000_ELECTRIFY AMERICA\NJ210298 - UBP_CEDAR HILLS SHOPPING_CTR. (WYCKOFF, NJ)\CADD\PLANSHEETS\DETAIL_SHEETS.DWG

NOTES

1. BOTTOM OF STENCIL TO BE PLACED AT THE LEADING EDGE OF THE PROPOSED PARKING STALL
2. STENCIL TO FIT WITHIN DIMENSIONS SHOWN
3. PAVEMENT MARKING TO BE PAINTED WHITE

PAINT SPECIFICATIONS

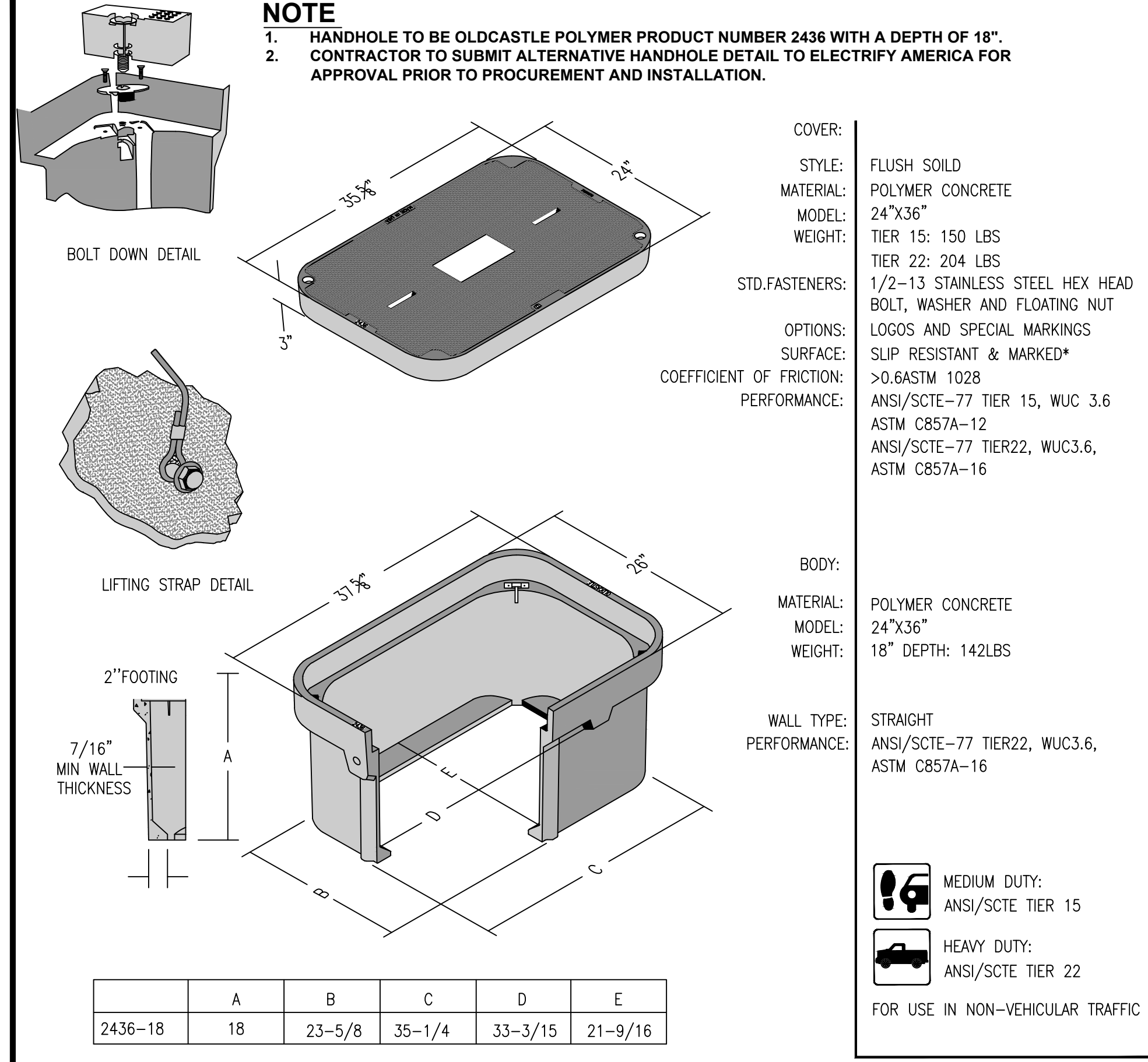
1. PAINT SHALL BE WATERBORNE OR SOLVENT BORNE, COLORS AS SHOWN OR SPECIFIED HEREIN. PAVEMENT MARKING PAINTS SHALL COMPLY WITH APPLICABLE STATE AND LOCAL LAWS ENACTED TO ENSURE COMPLIANCE WITH FEDERAL CLEAN AIR STANDARDS. PAINT MATERIALS SHALL CONFORM TO THE RESTRICTIONS OF THE LOCAL AIR POLLUTION CONTROL DISTRICT.
2. WATERBORNE PAINT: PAINTS SHALL CONFORM TO FS TT-P-1952.
3. SOLVENT BORNE PAINT: PAINT SHALL CONFORM TO FS A-A-2886 OR AASHTO M248. PAINT SHALL BE NON-BLEEDING, QUICK DRYING, AND ALKYD PETROLEUM BASE PAINT SUITABLE FOR TRAFFIC BEARING SURFACE AND BE MIXED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS BEFORE APPLICATION.



A EV PAVEMENT MARKING DETAIL
SCALE: N.T.S.

NOTE

1. HANDHOLE TO BE OLDCASTLE POLYMER PRODUCT NUMBER 2436 WITH A DEPTH OF 18".
2. CONTRACTOR TO SUBMIT ALTERNATIVE HANDHOLE DETAIL TO ELECTRIFY AMERICA FOR APPROVAL PRIOR TO PROCUREMENT AND INSTALLATION.



COVER:
 STYLE: FLUSH SOLD
 MATERIAL: POLYMER CONCRETE
 MODEL: 24"x36"
 WEIGHT: TIER 15: 150 LBS
 TIER 22: 204 LBS
 STD.FASTENERS: 1/2-13 STAINLESS STEEL HEX HEAD BOLT, WASHER AND FLOATING NUT LOGOS AND SPECIAL MARKINGS
 OPTIONS: SURFACE: SLIP RESISTANT & MARKED*
 COEFFICIENT OF FRICTION: >0.6ASTM 1028
 PERFORMANCE: ANSI/SCTE-77 TIER 15, WUC3.6
 ASTM C857A-12
 ANSI/SCTE-77 TIER22, WUC3.6,
 ASTM C857A-16

BODY:
 MATERIAL: POLYMER CONCRETE
 MODEL: 24"x36"
 WEIGHT: 18" DEPTH: 142LBS
 WALL TYPE: STRAIGHT
 PERFORMANCE: ANSI/SCTE-77 TIER22, WUC3.6,
 ASTM C857A-16

MEDIUM DUTY:
ANSI/SCTE TIER 15
 HEAVY DUTY:
ANSI/SCTE TIER 22
 FOR USE IN NON-VEHICULAR TRAFFIC

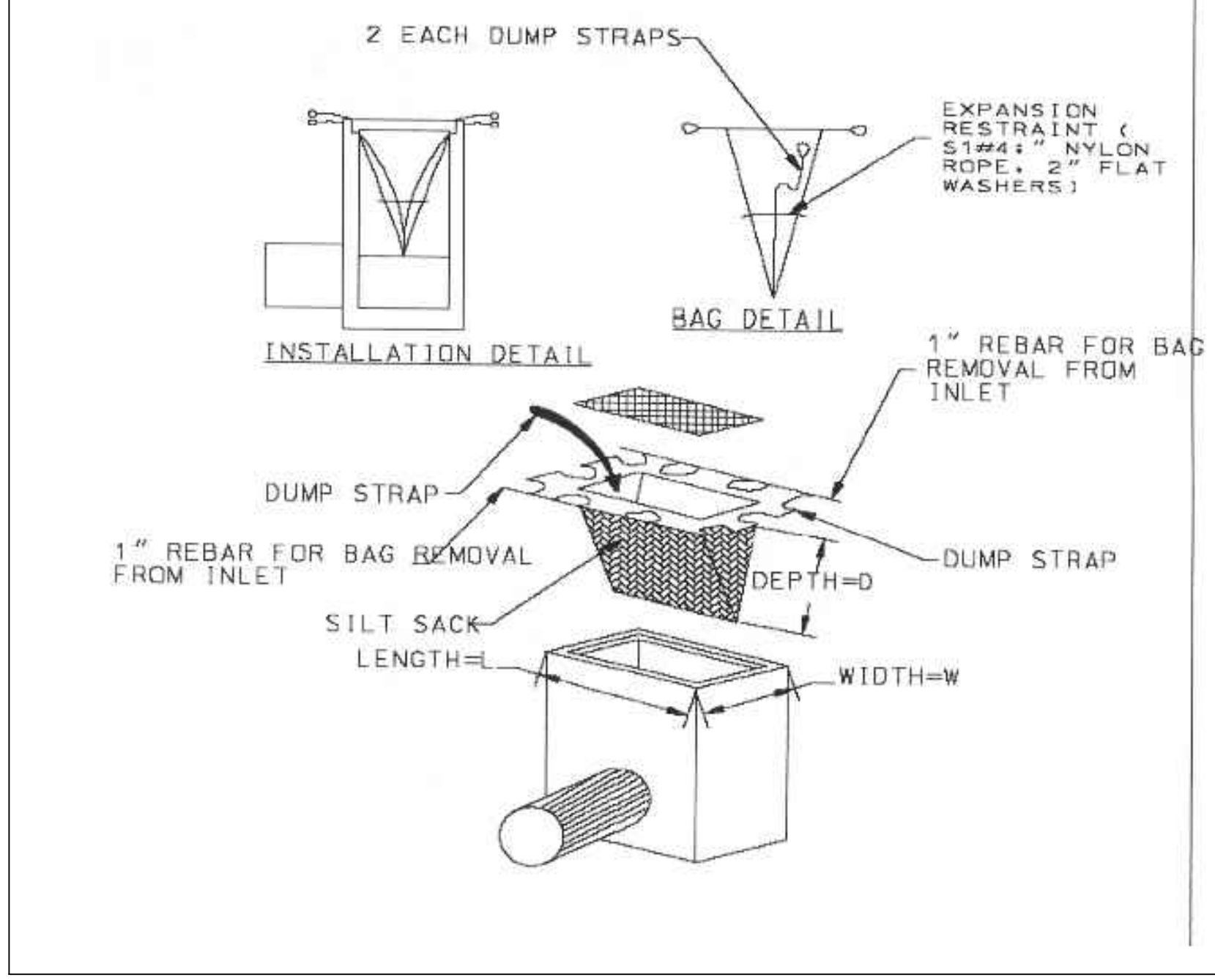
B HANDHOLE DETAIL (OR APPROVED EQUAL)
SCALE: N.T.S.

C NOT USED
SCALE: N.T.S.

Inlet Protection Details

Note: The diagram below conforms to the 2014 revised Standards for SESC in NJ

Silt Sack or approved equal



E INLET PROTECTION DETAIL
SCALE: N.T.S.

D NOT USED
SCALE: N.T.S.

F NOT USED
SCALE: N.T.S.



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SURVEY DRAWING

LEGEND

	EASEMENT LINE
	CONCRETE RETAINING WALL
	METAL GUARD RAIL
	METAL GUARD RAIL
	ZONING SETBACK LINE
	STORM SEWER
	OVERHEAD UTILITIES
	UNDERGROUND ELECTRIC
	ADJOINER LINE
	PROPERTY LINE
	CONTOUR
	BUILDING FACE
	MANHOLE
	CURB INLET
	LIGHT POLE
	GUY ANCHOR
	UTILITY POLE
	SIGN
	TBM #1 - TEMPORARY BENCHMARK
	PAINTED HANDICAP SYMBOL
	PAINTED DIRECTION ARROW
	EXISTING TREE
	CONCRETE PAVEMENT

CONC. = CONCRETE
 T.B.M. = TEMPORARY BENCHMARK
 SAN = SANITARY
 ELE = ELEVATION
 STM = STORM SEWER
 RET. = RETAINING
 CONC. = CONCRETE
 ELEV. = ELEVATION
 INV. = INVERT (LOW LINE OF PIPE)

TITLE DESCRIPTION

All that certain plot, piece or parcel of land, with the building and improvements thereon erected, situate, lying and being in the Township of Wyckoff, County of Bergen, State of New Jersey, bounded and described as follows:

Tract 1
Commencing at a Concrete Monument on the east right-of-way line of Blum Court, thence continuing with the east right-of-way line of Blum Court, South 38°27'40" East, a distance of 107.73 feet to a set pin, to the True Point of Beginning;

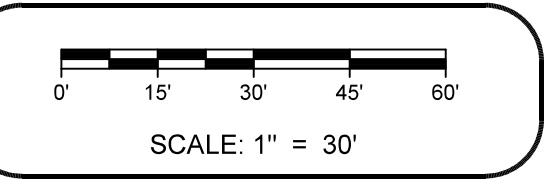
Beginning a set pin on the east right-of-way line of Blum Court, thence departing said right-of-way line and running with the southeast line of land conveyed to Cedar Hill Assoc., North 12°57'40" East, a distance of 184.81 feet to a set pin, thence running with the south line of lands conveyed to Alison Village Cons. and Charles J. & Theresa K. Pogg, North 50°28'50" East, a distance of 407.86 feet, thence between Tract 1 & Tract 2 of land conveyed to Wyckoff Hye Partners, South 63°35'10" East, a distance of 248.82 feet, thence running with the north right-of-way line of Cedar Hill Assoc., South 45°16'45" West, a distance of 6.51 feet to a set pin, thence continuing with said right-of-way line, along the arc of a curve to the left, said curve having an arc length of 147.51 feet, a radius of 340.00 feet, a delta angle of 24°51'27", a chord bearing of South 35°51'01" West, and a chord distance of 146.36 feet to a set pin, thence continuing with said right-of-way line, South 23°25'17" West, a distance of 100.43 feet to a set pin, thence continuing with said right-of-way line along the arc of a curve to the right, said curve having an arc length of 266.43 feet, a radius of 290.00 feet, a delta angle of 52°38'20", a chord bearing of South 49°44'27" West, and a chord distance of 237.16 feet to a set pin, thence continuing with said right-of-way line, South 70°33'37" West, a distance of 58.65 feet to a set pin, thence continuing with said right-of-way line, along the arc of a curve to the left, said curve having an arc length of 108.16 feet, a radius of 588.12 feet, a delta angle of 10°32'16", a chord bearing of South 70°47'29" West, and a chord distance of 108.01 feet to a set pin, thence departing said right-of-way line and running with the east right-of-way line of Blum Court, North 38°32'02" West, a distance of 130.00 feet to a set pin, thence continuing with said right-of-way line, North 38°27'40" West, a distance of 40.00 feet to the Point of Beginning, and Containing 4.215 Acres (183,591 Square Feet).

Tract 2
Commencing at a Concrete Monument on the east right-of-way line of Blum Court, thence continuing with the east right-of-way line of Blum Court, South 38°27'40" East, a distance of 107.73 feet to a set pin, thence continuing with the east right-of-way line and continuing with the southeast line of land conveyed to Cedar Hill Assoc., North 12°57'40" East, a distance of 184.81 feet to a set pin, thence running with the south line of lands conveyed to Alison Village Cons. and Charles J. & Theresa K. Pogg, North 54°28'50" East, a distance of 407.86 feet to the True Point of Beginning;

Beginning at the original lot line between Tract 1 & Tract 2, thence running with the south line of lands conveyed to Charles J. & Theresa K. Pogg, and Michel F. Decalado & A. C. Garate, North 54°28'50" East, a distance of 287.70 feet to a set pin, thence running with the west right-of-way line of N.J. State Highway, South 31°37'30" East, a distance of 18.78 feet to a set pin, thence continuing with said right-of-way line, South 28°36'39" East, a distance of 188.22 feet to a set pin, thence turning and running with the north right-of-way line of Cedar Hill Assoc., South 45°16'45" West, a distance of 107.50 feet to a point between Tract 2 & Tract 1, thence continuing with said lot line, North 63°35'10" West, a distance of 248.82 feet to the Point of Beginning, and Containing 0.972 Acres (42,328 Square Feet).

This Survey and Legal Description are not the same property as that shown on the Title Search Report, prepared by First American Title Insurance Company, Commitment No. NCS-1009688-NJ, Dated: 04/13/2020.

NORTH ARROW / SCALE



TITLE SEARCH ITEMS

- Title Search on land known as Lot 42.01, Block 391 Tax Map of the Township of Wyckoff, County of Bergen, State of New Jersey from 1980 to 02/23/2020. The search disclosed the following items:
- Grant of Right of Way for Road Purposes as contained in Deed Book 7058, Page 49 (DOES NOT AFFECT THE SURVEY AREA, NOT PLOTTED ON THE SURVEY.)
 - Easement to the State of New Jersey and Access as contained in Deed Book 7661, Page 178 and corrected in Deed Book 7885, Page 408. (AFFECT NOT DETERMINED TO THE SURVEY AREA, NO LEGAL DESCRIPTION, NOT PLOTTED ON THE SURVEY.)
 - Wasting Deed to UB Wyckoff I, LLC a New Jersey limited liability company from Wyckoff Hye Partners, a New Jersey limited partnership dated 12/10/2014, recorded 12/17/2014 in V Book 1817, Page 1235. (DOES AFFECT THE SURVEY AREA BLANKET IN NATURE, NOT PLOTTED ON THE SURVEY.)
 - Mortgage, Security Agreement, Financing Statement and Fixture Filing by and between UB Wyckoff I, LLC a New Jersey limited liability company and Voya Retirement Insurance and Annuity Company, a Connecticut corporation for the principal amount of \$58,070,000.00, dated 12/15/2014, recorded 01/08/2015 in V Book 1834, Page 1643. (DOES AFFECT THE SURVEY AREA BLANKET IN NATURE, NOT PLOTTED ON THE SURVEY.)
 - Assignment of Rents and Leases dated 12/15/2014, recorded 01/08/2015 in V Book 1834, Page 1687. (DOES AFFECT THE SURVEY AREA BLANKET IN NATURE, NOT PLOTTED ON THE SURVEY.)
 - Junior Mortgage, Assignment of Rents and Leases, Security Agreement, Financing Statement and Fixture Filing by and between UB Wyckoff I, LLC a New Jersey limited liability company and Voya Retirement Insurance and Annuity Company, a Connecticut corporation for the amount of \$586 Terms, dated 12/15/2014, recorded 01/08/2015 in V Book 1834, Page 1702. (DOES AFFECT THE SURVEY AREA BLANKET IN NATURE, NOT PLOTTED ON THE SURVEY.)
 - Subordination, Non-Disturbance and Attachment Agreement dated 12/10/2014, recorded 01/08/2015 in V Book 1834, Page 1740. (DOES AFFECT THE SURVEY AREA BLANKET IN NATURE, NOT PLOTTED ON THE SURVEY.)
 - UCC-1 Financing Statement where UB Wyckoff I, LLC is Debtor and Voya Retirement Insurance and Annuity Company is Secured party recorded 01/08/2015 in V Book 1834, Page 1754 and continued in V Book 3429, Page 1373, recorded 12/09/2019. (DOES AFFECT THE SURVEY AREA BLANKET IN NATURE, NOT PLOTTED ON THE SURVEY.)

SURVEYOR NOTES

- This is a topographic map. This is not a boundary survey and is only intended to depict those topographic features or improvements shown. The property lines shown are record lines only and are shown for graphical reference only.
- Any underground utilities shown have been located from field survey information based on paint markings and/or flags by others. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from the information available.
- FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA FIRMeTte published 4/20/2020 referencing Flood Insurance Rate Map, Map Number: 34003C0156J effective date 08/28/2019, indicates this parcel of land is located in Zone(s) "X".
- This survey does not constitute a title search by FA Commercial Due Diligence Services to determine ownership or easements of record. For all information regarding easements, rights of way and title of record, CDS relied upon a Title Search Report, prepared by First American Title Insurance Company, Commitment No.: NCS-1009688-NJ, Dated: 04/13/2020.
- Elevations are based on NAVD 88 datum.
- SITE BENCHMARK: Mag-Nail set in asphalt pavement. Elevation = 341.58.
- BASIS OF BEARINGS: GRID NORTH, STATE PLANE COORDINATE SYSTEM, NAD83, NEW JERSEY ZONE
- Field work for this survey was completed on 05-09-2020.
- The owner names and tax parcel data shown hereon are based upon the public works records available at the original date of this survey. Current ownership and tax parcel data should be verified for accuracy.
- Per the Zoning Information Report prepared by FA-CDS (888) 322 7371 - cds.solutions@firstam.com; Order No.: 20-04-0233, Dated: April 9, 2020, this site is zoned: B-2, Neighborhood Business.

REQUIREMENTS
 Minimum Front Setback: 20' minimum
 Minimum Side Setbacks: 12' minimum each side
 Minimum Rear Setback: 20' minimum
 Maximum Height: 2 1/2 stories, 35' maximum
 Minimum Lot Area: 6,000 sq. ft. minimum
 Minimum Lot Width: 60' minimum
 Minimum Lot Depth: No requirement noted
 Maximum Floor Area Ratio: No requirement noted
 Maximum Coverage: 75% maximum
 Minimum Parking: Retail sales and services: 1 per 200 sq. ft.

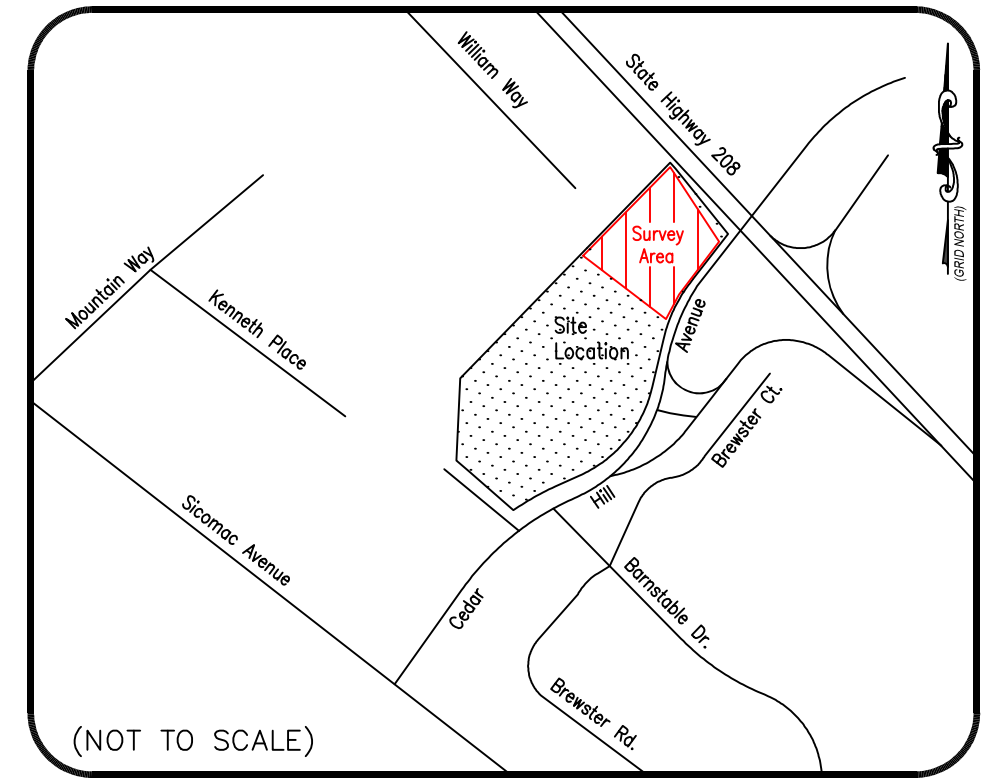
SURVEYOR CERTIFICATION

I hereby state that all parts of this survey and drawing have been completed in accordance with the current requirements of the standards of practice for surveying in the State of New Jersey to the best of my knowledge, information, and belief.

Date of Plat or Map: 05/18/2020.

Thomas J. Erte
 New Jersey Professional Land Surveyor
 New Jersey License No. GS35834

VICINITY MAP



Limited Topographic Survey

Thomas J. Erte
 New Jersey Professional Land Surveyor
 New Jersey License No. GS35834
 New Jersey Certificate of Authorization No. 24GA28223100
 This Work Coordinated By:
CDS
 COMMERCIAL
 DUE DILIGENCE SERVICES
 3550 W. Robinson Street, Third Floor
 Norman, Oklahoma 73072
 Main Office Phone No.: 405-253-2444
 Toll Free: 888.457.7878

Drawn By: KPH	Date: ..
Surveyor Ref. No: 20-04-0233:1	Revision: ..
Approved By: JWA	Date: ..
Field Date: 05-09-2020	Revision: ..
Scale: 1" = 30'	Date: ..
	Revision: ..

Prepared For:
 URSTADT BIDDLE PROPERTIES
 CEDAR HILLS SHOPPING CENTER
 SITE ID: 210298

PROJECT ADDRESS
 525 Cedar Hill Avenue
 Wyckoff, New Jersey 07481

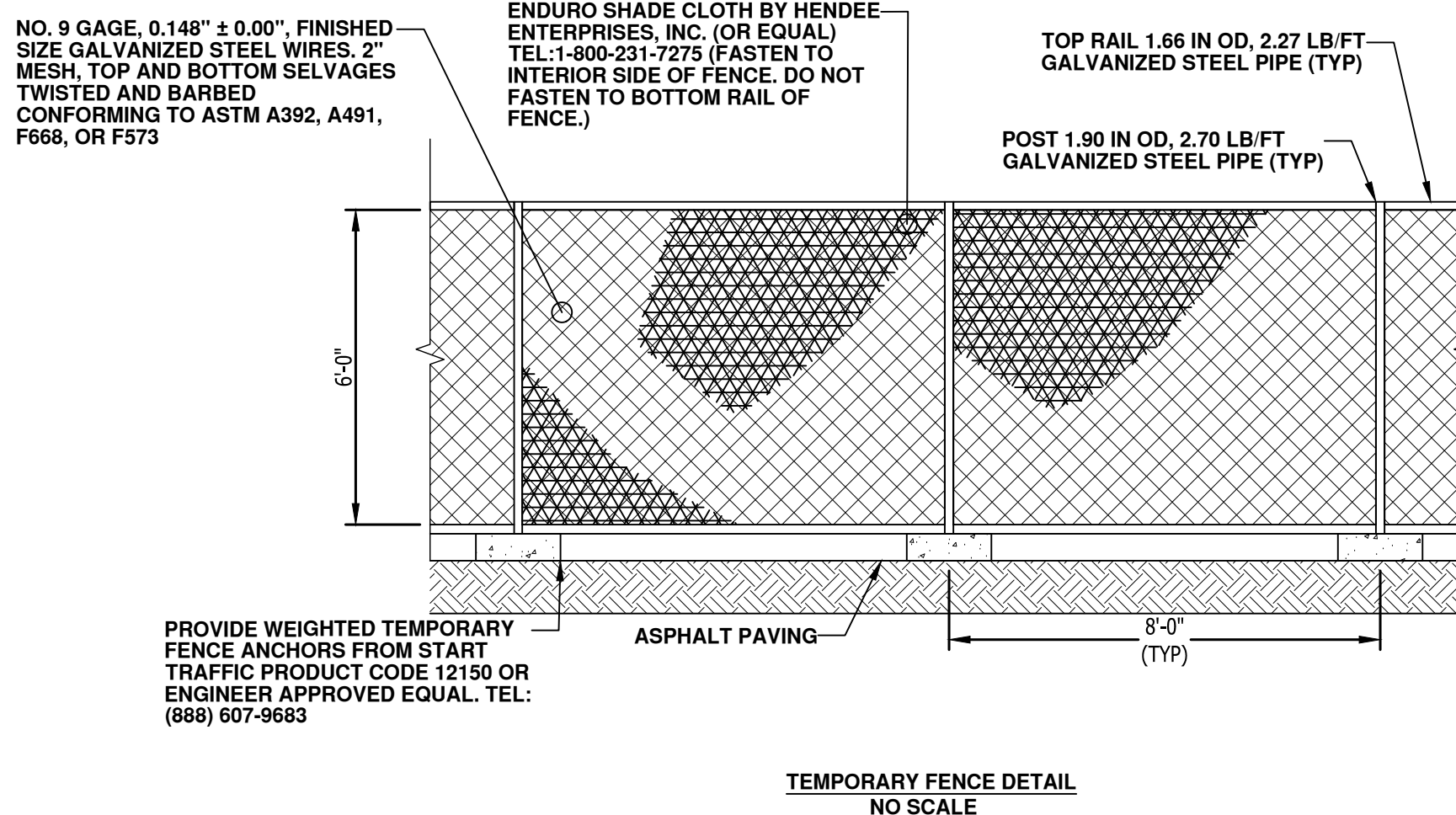
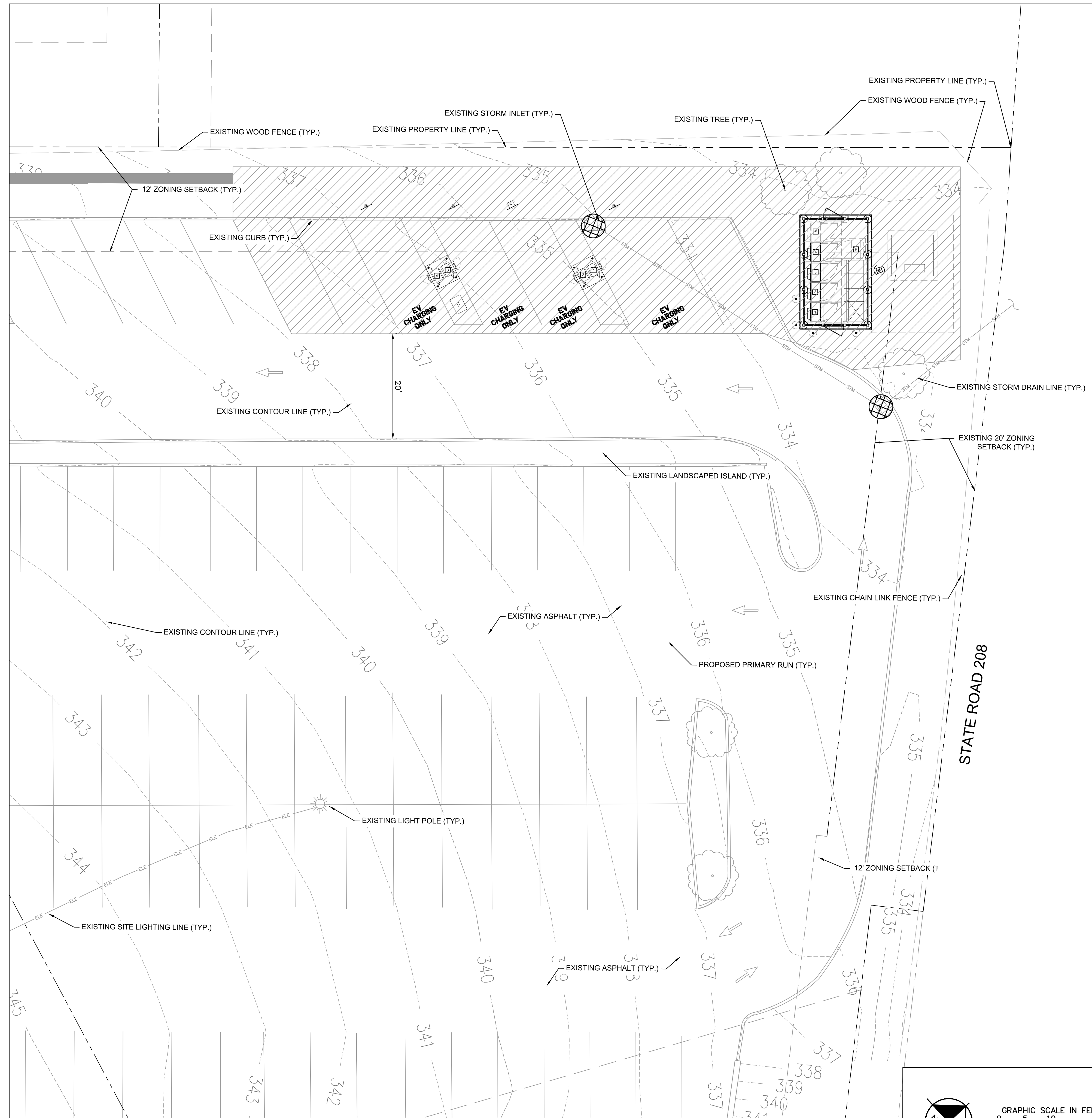
Project Name:
 C2 - 210298 - Wyckoff NJ
 CDS Project Number:
 20-04-0233

NOTES

1. WORK / STAGING AREA TO BE CONFIRMED AT PRE-CONSTRUCTION SITE MEETING AND SURROUNDED BY TEMPORARY FENCE DURING CONSTRUCTION.
2. POSSIBLE LOCATION FOR TEMPORARY DRIVE AISLE CLOSURE DURING CONSTRUCTION.
3. CONTRACTOR TO PROVIDE TEMPORARY SIGNS TO DIRECT TRAFFIC FLOW.
4. SHORT TERM FENCING TO BE PROVIDED OUTSIDE OF TEMPORARY FENCE FOR ANY OPEN TRENCHES LEFT OVER NIGHT OR UNATTENDED.
5. THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK.

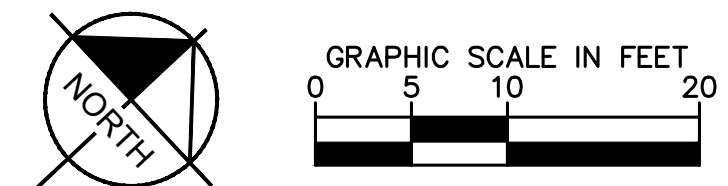
LEGEND

	WORKING/STAGING AREA
	DRIVE AISLE CLOSURE
	TEMPORARY DRIVE AISLE
	UTILITY LINE TO BE BORED (OUTSIDE OF WORKING/STAGING AREA)
	UTILITY LINE TO BE TRENCHED (OUTSIDE OF WORKING/STAGING AREA)



A
SP
STAGING PLAN

FOR REFERENCE ONLY



ELECTRIFY AMERICA, LLC.
2003 EDMUND HALLEY DRIVE
SUITE 200
RESTON, VA 20191



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PHONE: 609-681-2428
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K:\DEN_CIVIL\098867000_ELECTRIFY_AMERICA\NJ210298 - UBP_CEDAR_HILLS_SHOPPING_CTR (WYCKOFF, NJ)\CADD\PLANSHEETS\OTHER_CIVIL.DWG