



PROJECT NUMBER: MA210115
INSTALLATION OF ELECTRIC VEHICLES CHARGING EQUIPMENT
BANK OF AMERICA
342 WASHINGTON STREET
WELLESLEY, MA 02481



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



11400 COMMERCE PARK DR.,
SUITE 400
RESTON, VA 20191
703-674-1300

Job Name:

BANK OF AMERICA
MA6-293

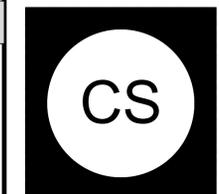
342 WASHINGTON ST.
WELLESLEY, MA 02481



3-17-20

SHEET DESCRIPTION:
COVER SHEET & PROJECT
INFORMATION

Project #: MA210115
File: CONSTRUCTION DOCUMENTS
Drawn by: MJG
Date(s): 01/28/2020
02/13/2020 REV #1 CD90 PLANS
02/28/2020 REV #2 CD100 PLANS
03/17/2020 REV #3 CONDUIT SCHE. UPDATE



SITE INFORMATION

EV SITE ADDRESS:
342 WASHINGTON STREET
WELLESLEY, MA 02481

COUNTY:
NORFOLK COUNTY

PROPERTY OWNER:
BANK OF AMERICA

LATITUDE (NAD83):
42°18'34.5"N

EQUIPMENT SUPPLIER:
ELECTRIFY AMERICA, LLC.
2003 EDMUND HALLEY DRIVE SUITE 200
RESTON, VIRGINIA 20191

LONGITUDE (NAD83):
71°16'34.9"W

CONTACT ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
ROSS.STEVENS@KIMLEY-HORN.COM
P: 703-674-1321
ROSS STEVENS, P.E.

POWER COMPANY:
WELLESLEY MUNICIPAL LIGHT PLANT
P: 781-235-7600
DANIEL TRANT

BENCHMARK & BASIS OF BEARING

BENCHMARK: CUT SQUARE, ELEVATION: 145.98' (NAVD 88)

BASIS OF BEARINGS: GRID NORTH, STATE PLANE COORDINATE SYSTEM, NAD83, MASSACHUSETTS MAINLAND 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.

ZONING INFORMATION

PERMITTING JURISDICTION: TOWN OF WELLESLEY, MA
ZONING CLASS: BUSINESS
PARKING REQUIRED: 19 SPACES
PARKING PROVIDED: 14 SPACES

FLOOD HAZARD AREA NOTE

THIS SITE IS LOCATED IN FLOOD ZONE "X" PER FEMA FLOOD MAP FIRM 25021C 0017E EFFECTIVE DATE 07/17/12.

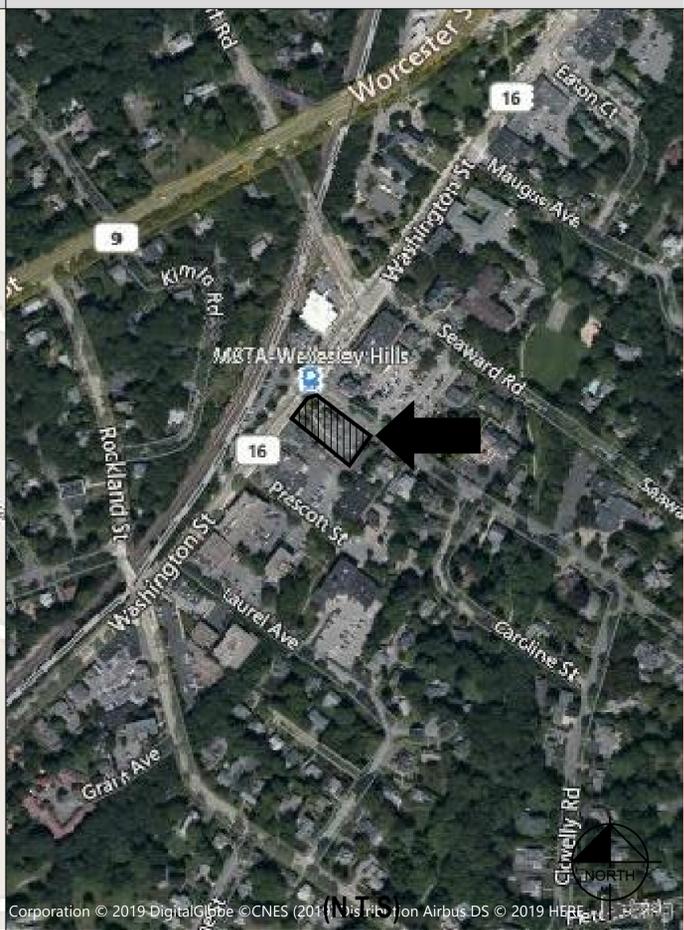
CONTRACTOR NOTE

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



AERIAL MAP



PROJECT DESCRIPTION

- INSTALL (1) UTILITY TRANSFORMER
- INSTALL (1) SWITCHBOARD ASSEMBLY
- INSTALL (4) 150 KW SIGNET DISPENSERS
- INSTALL (4) 150 KW SIGNET POWER UNITS

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FOR REFERENCE ONLY DRAWINGS

PROPERTY SURVEY

STAGING PLAN

CALL BEFORE YOU DIG

UNDERGROUND SERVICE ALERT
DIG SAFE
811 OR 1-800-DIG-SAFE
3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

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.

ENGINEER OF RECORD

BRIAN BREWER
PE NUMBER: 46948
KIMLEY-HORN AND ASSOCIATES, INC.

K:\DEN_CIVIL\096867000_ELECTRIFY_AMERICA\MA210115 - BOA_WELLESLEY_HILLS_MAG-293\CADD\PLANSHEETS\COVER_SHEET_AND_GENERAL_NOTES.DWG

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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 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 MANUFACTURES 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



11400 COMMERCE PARK DR.,
 SUITE 400
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Job Name:

BANK OF AMERICA MA6-293

342 WASHINGTON ST.
 WELLESLEY, MA 02481



3-17-20

SHEET DESCRIPTION:
 GENERAL NOTES

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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. MASSACHUSETTS STATE 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. MASSACHUSETTS STATE 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



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703-674-1300

Job Name:

**BANK OF AMERICA
MA6-293**

342 WASHINGTON ST.
WELLESLEY, MA 02481



SHEET DESCRIPTION:
GENERAL NOTES

Project #: MA210115
File: CONSTRUCTION DOCUMENTS
Drawn by: MUG
Date(s): 01/28/2020
02/13/2020 REV #1 CD90 PLANS
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03/17/2020 REV #3 CONDUIT SCHE. UPDATE



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 3000 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.



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3-17-20

SHEET DESCRIPTION:
GENERAL NOTES

Project #: MA210115

File: CONSTRUCTION DOCUMENTS

Drawn by: MUG

Date(s): 01/28/2020

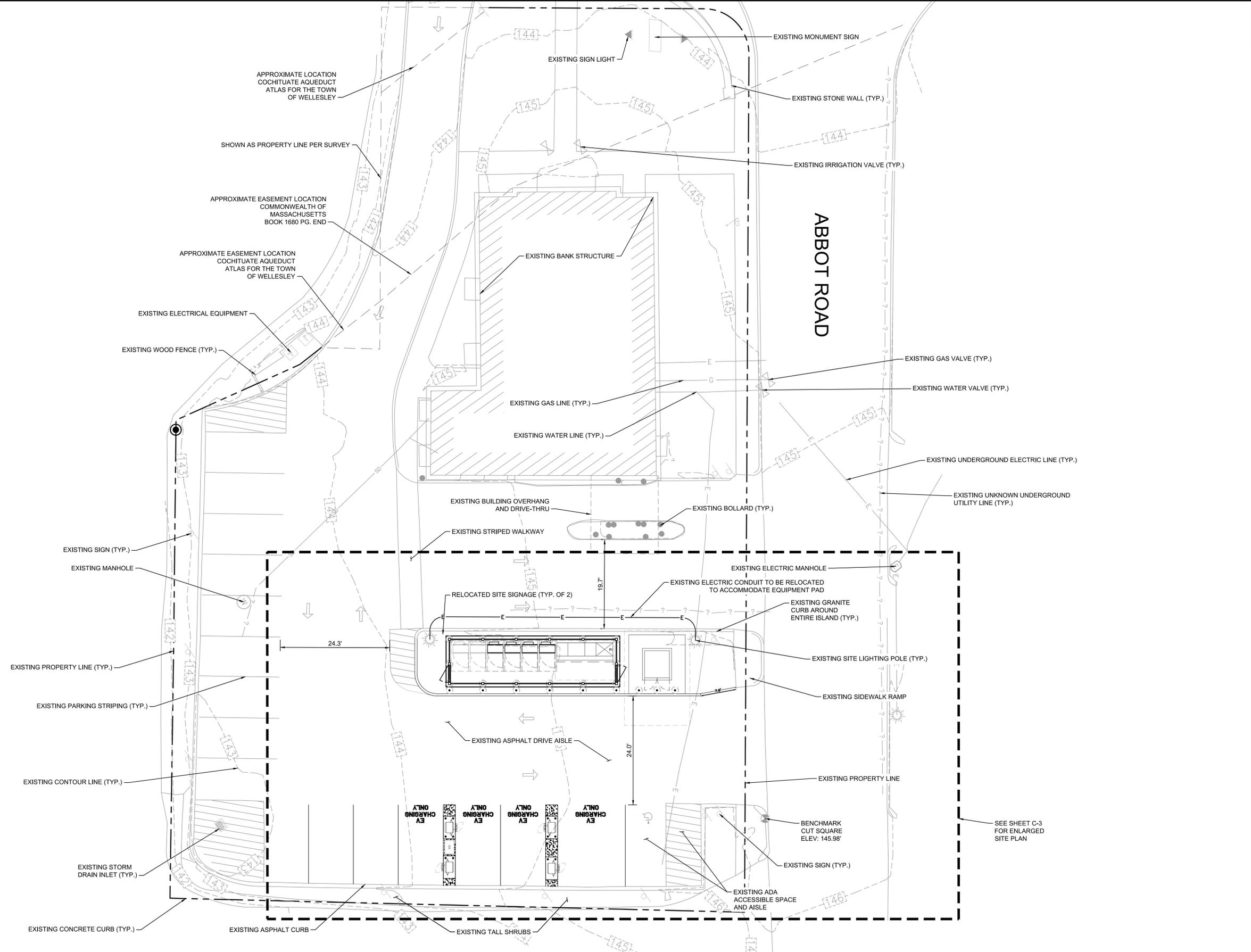
02/13/2020 REV #1 CD90 PLANS

02/28/2020 REV #2 CD100 PLANS

03/17/2020 REV #3 CONDUIT SCHE. UPDATE

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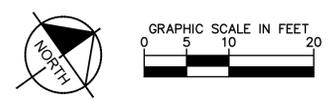


SHEET DESCRIPTION:
OVERALL SITE PLAN

Project #: MA210115
File: CONSTRUCTION DOCUMENTS
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SEE SHEET C-3
FOR ENLARGED
SITE PLAN

OVERALL SITE PLAN



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DEMO QUANTITIES TABLE

	ASPHALT	±840 SQ FT
	PARKING LINES	GRINDING
	GRANITE CURB	±80 LF
	LANDSCAPING	±210 SQ FT
	UTILITY TRENCH	±230 LF
	UTILITY BORE	±40 LF
	TREE REMOVAL	0 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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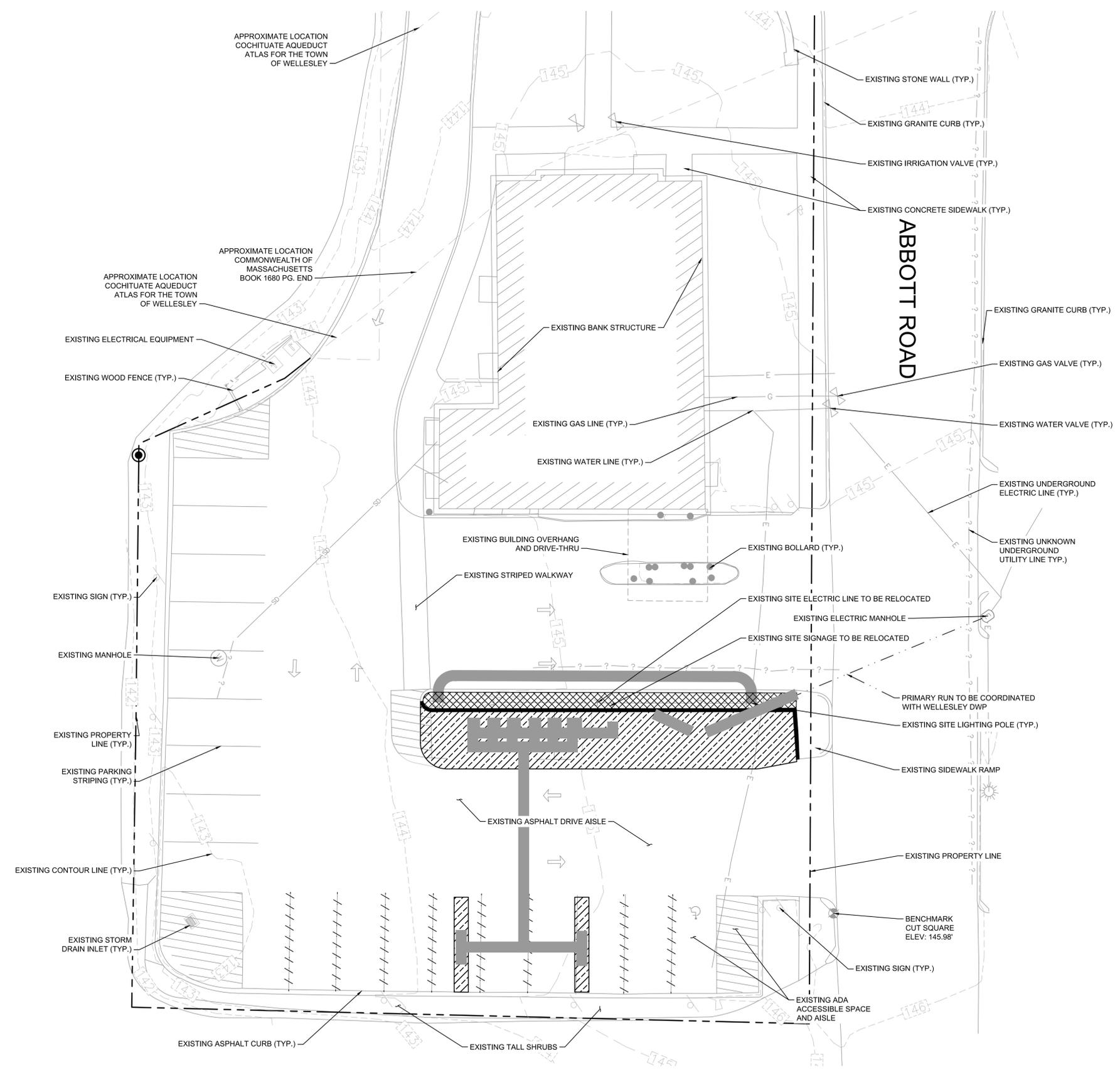
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SHEET DESCRIPTION:
DEMOLITION PLAN

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A DEMOLITION PLAN
C-2



C-2

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.
- 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.
- HAND DIG TRENCH IN THIS LOCATION TO AVOID EXISTING UNDERGROUND UTILITY LINE. CONTACT ENGINEER IF UNDERGROUND UTILITY LINE CONFLICTS WITH PROPOSED INSTALLATION.

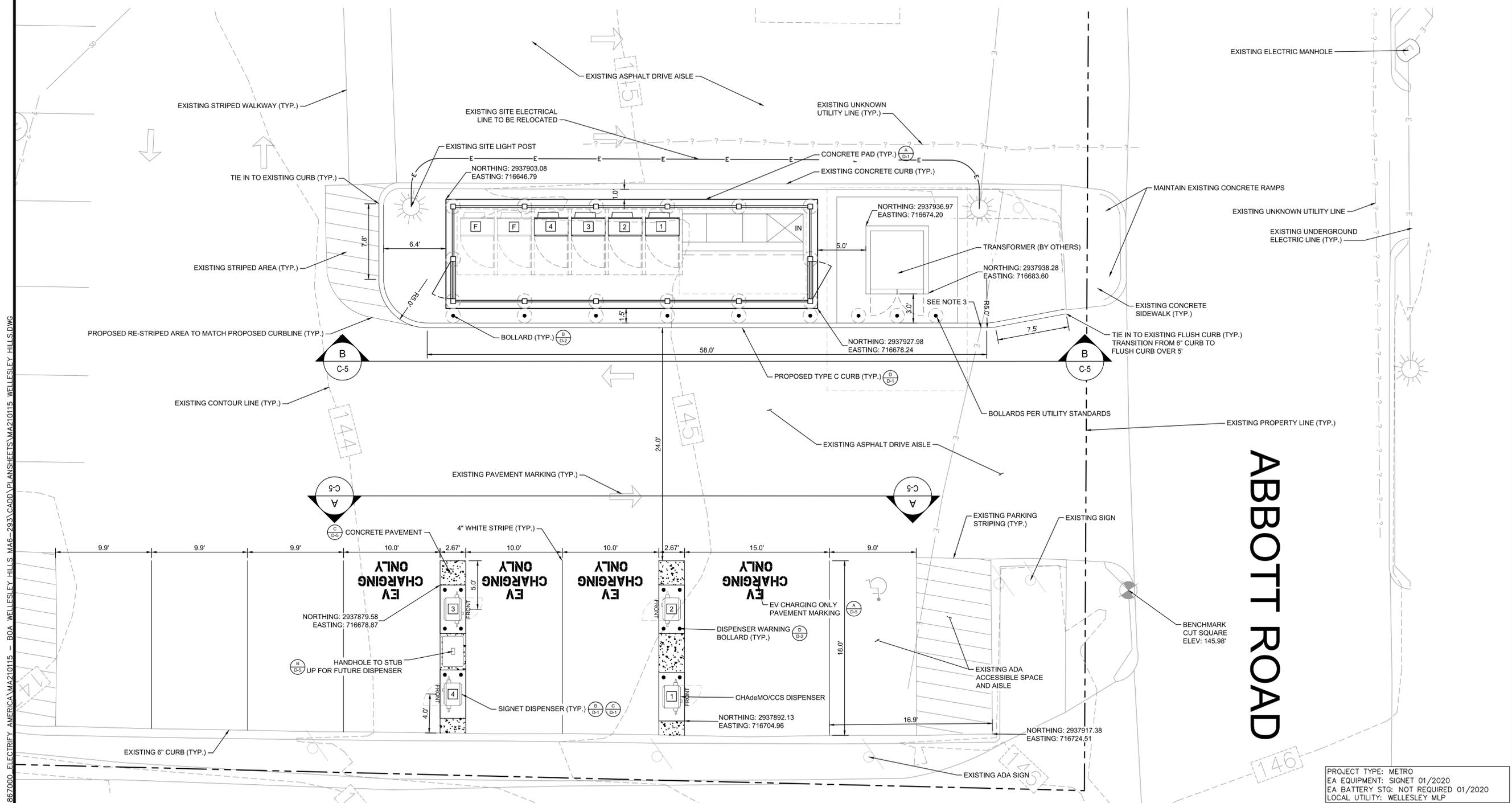
PROJECT AREA STALL COUNT	
EXISTING STALL COUNT	8
PROPOSED STALL COUNT	4
BOA APPROVED STALL COUNT	8

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"

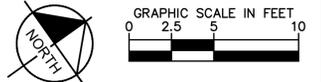
CURB LEGEND	
	TYPE C HEADER CURB

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



ENLARGED SITE PLAN

PROJECT TYPE: METRO
 EA EQUIPMENT: SIGNET 01/2020
 EA BATTERY STG: NOT REQUIRED 01/2020
 LOCAL UTILITY: WELLESLEY MLP



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 ENLARGED SITE PLAN

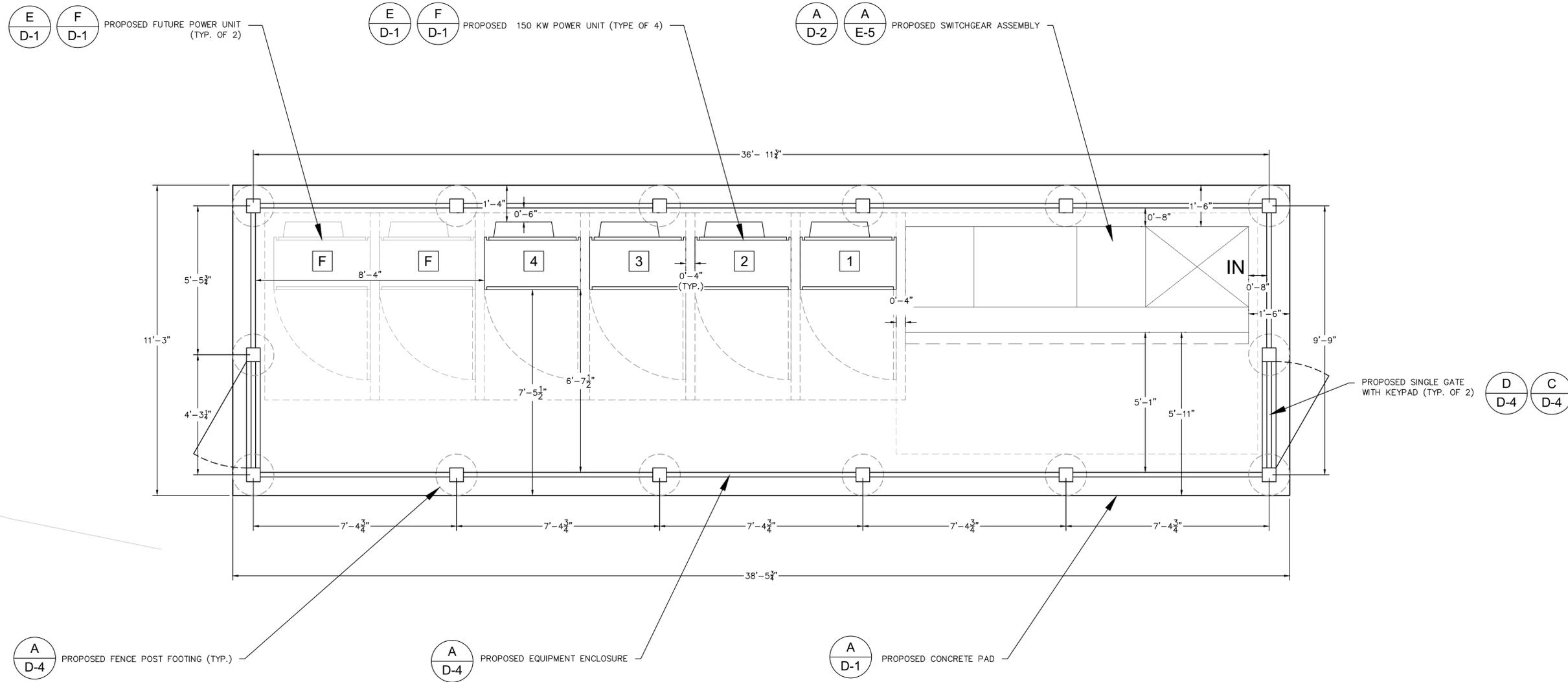
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NOTES

- CONTRACTOR TO SLOPE PAD 1-2% TO PROVIDE POSITIVE DRAINAGE.



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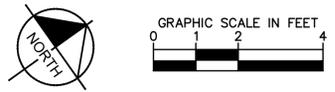
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SHEET DESCRIPTION:
ENLARGED EQUIPMENT
LAYOUT

Project #: MA210115
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ENLARGED EQUIPMENT LAYOUT



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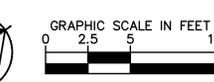
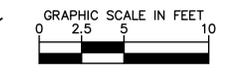
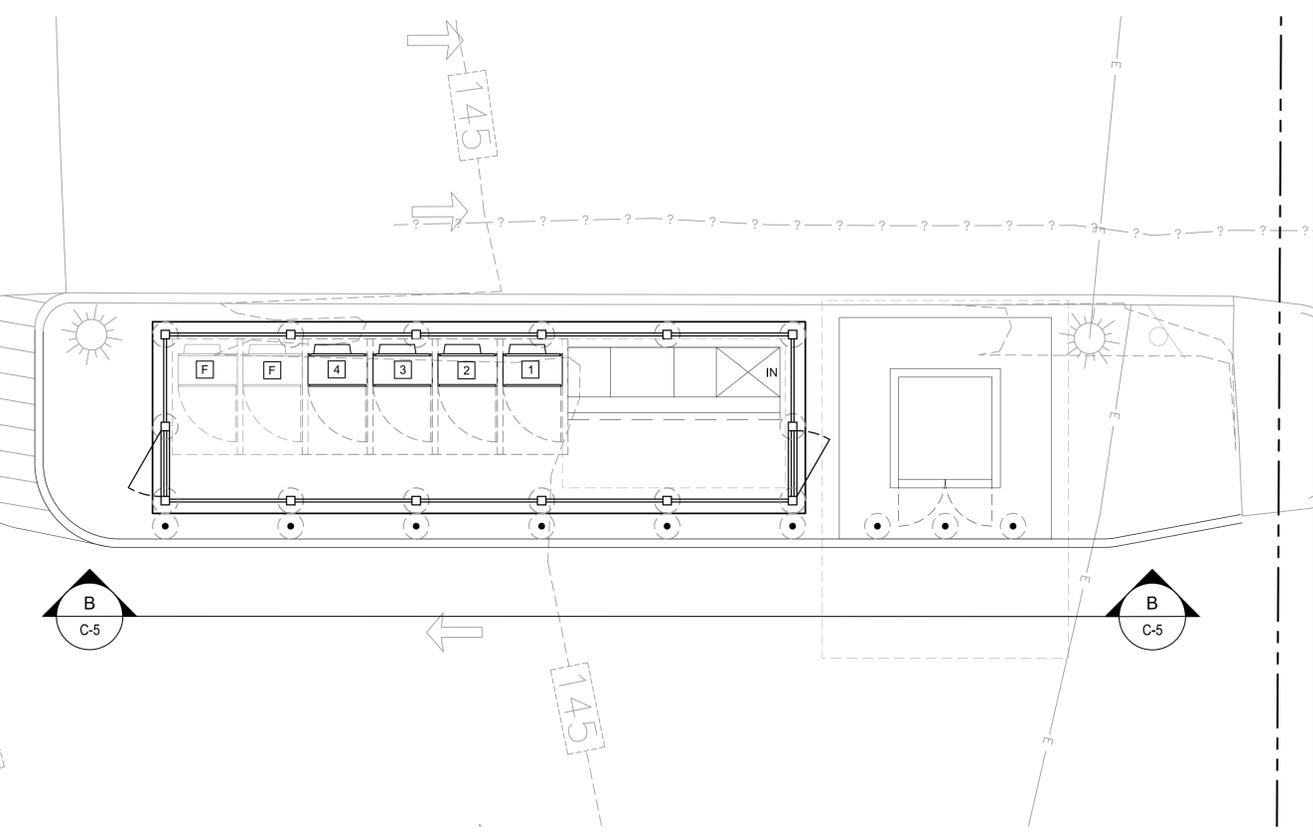
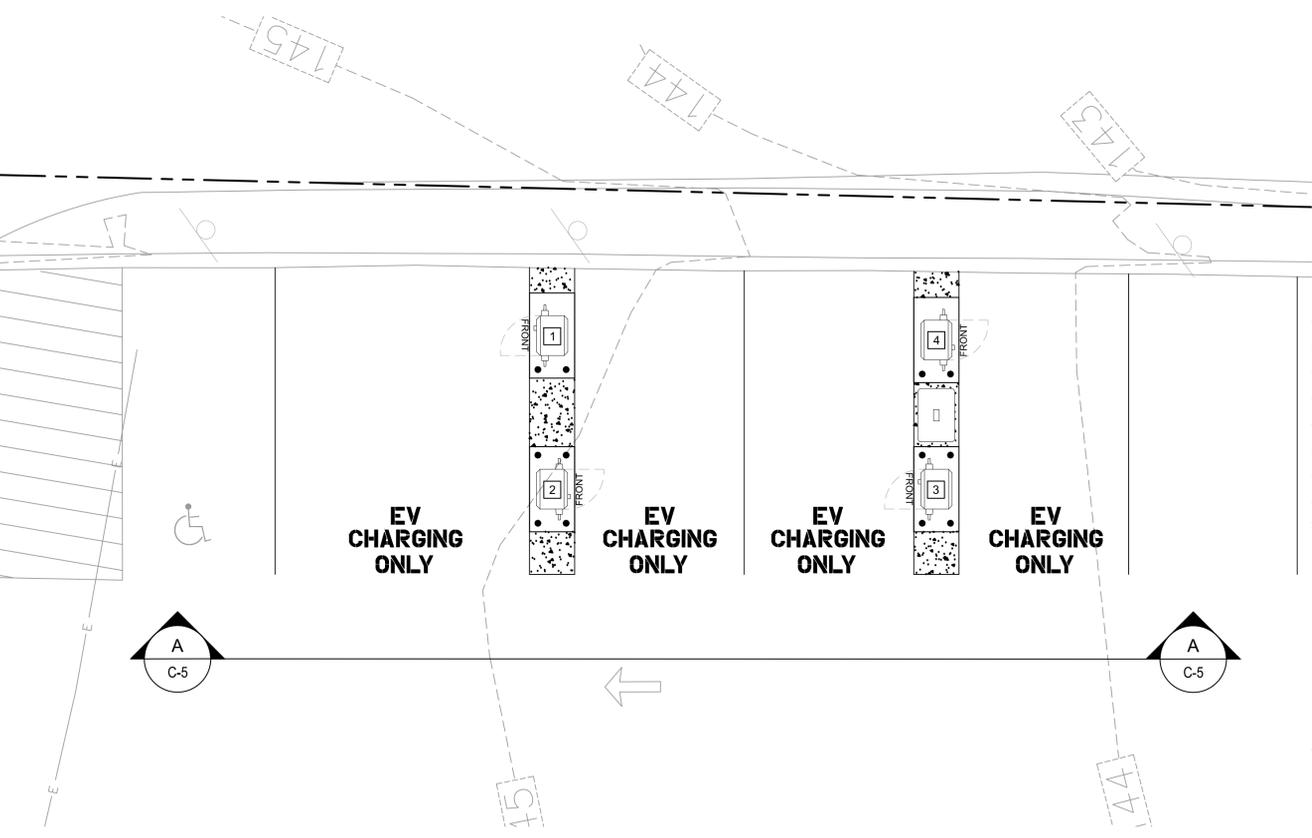
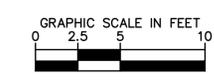
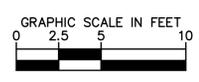
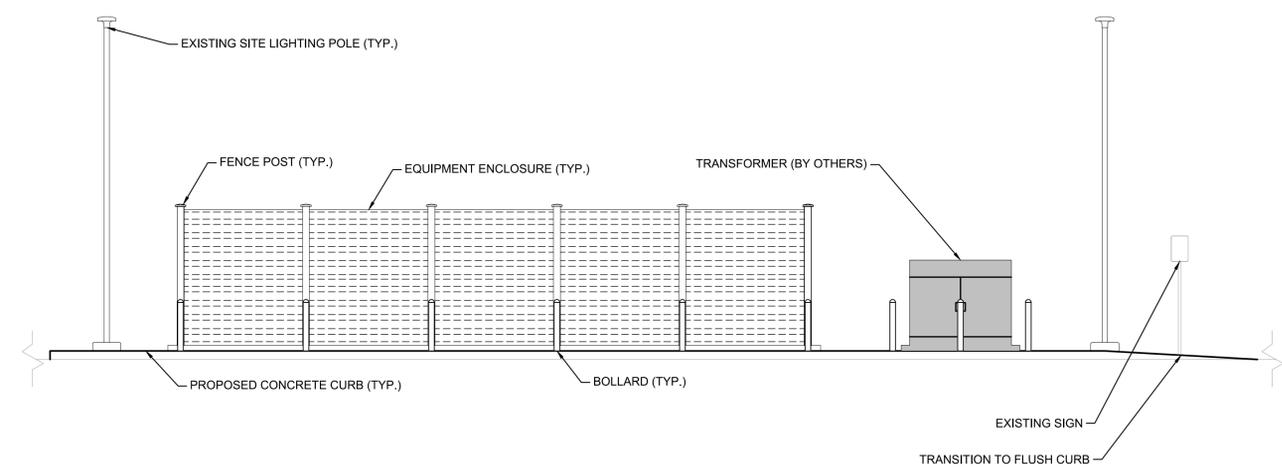
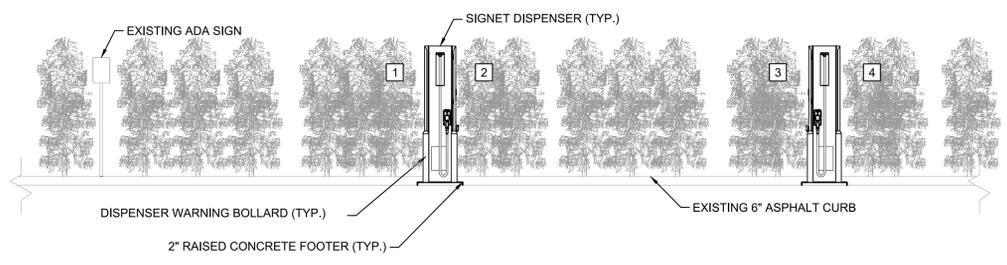
342 WASHINGTON ST.
WELLESLEY, MA 02481



3-17-20

SHEET DESCRIPTION:
SITE ELEVATIONS

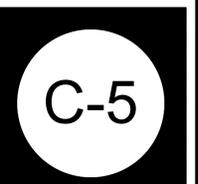
Project #: MA210115
File: CONSTRUCTION DOCUMENTS
Drawn by: MUG
Date(s): 01/28/2020
02/13/2020 REV #1 CD90 PLANS
02/28/2020 REV #2 CD100 PLANS
03/17/2020 REV #3 CONDUIT SCHE. UPDATE



A
C-5 **SITE ELEVATION**

B
C-5 **SITE ELEVATION**

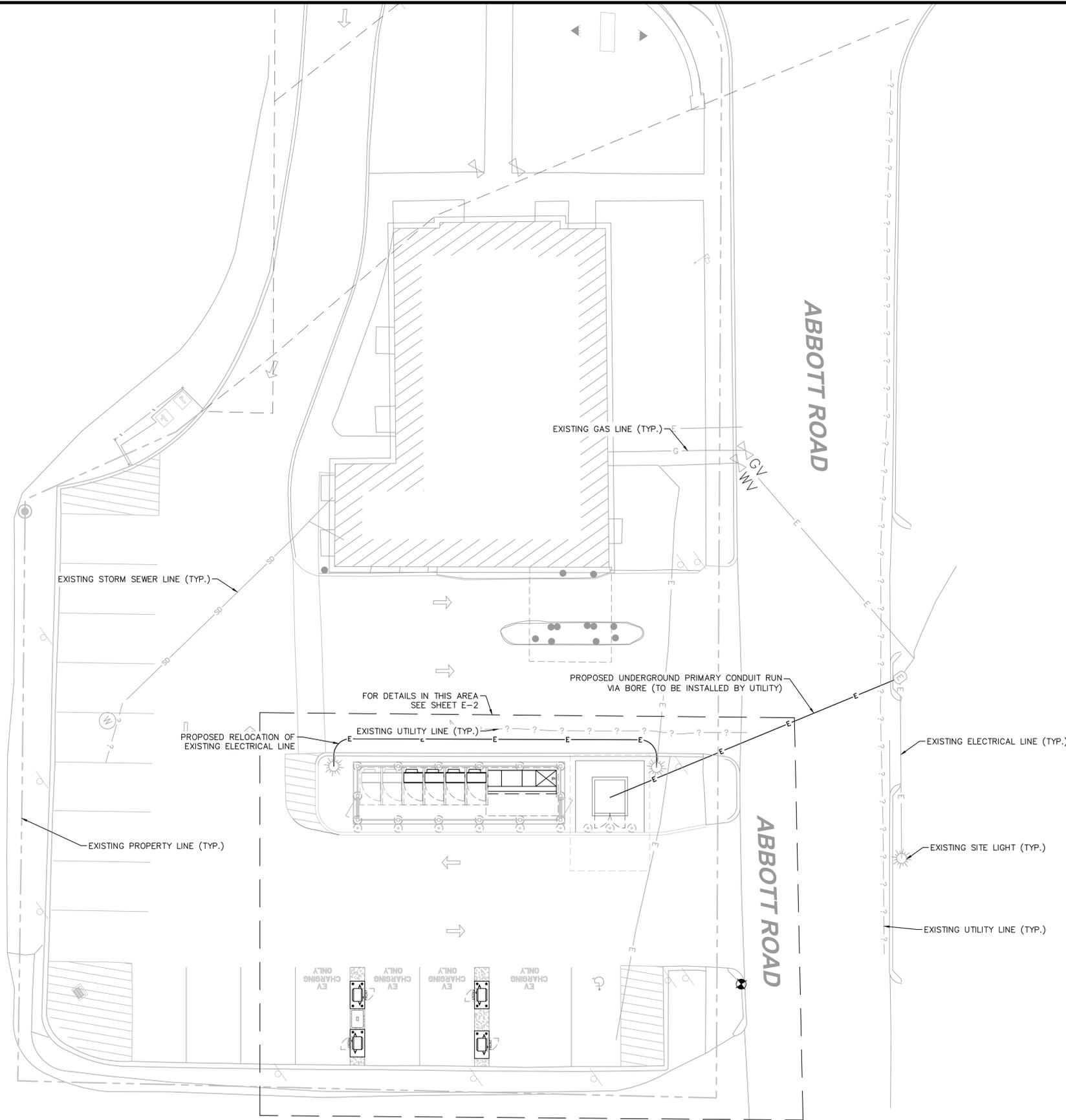
PLAN INSET FOR REFERENCE ONLY



K:\DEN_CIVIL\096867000_ELECTRIFY_AMERICA\MA210115 - BOA_WELLESLEY_HILLS_MA6-293\CADD\PLANSHEETS\MA210115_WELLESLEY_HILLS.DWG

K:\DEN_CIVIL\096867000_ELECTRIFY_AMERICA\MA210115 - BOA_WELLESLEY_HILLS_MA6-293\CADD\PLANSHEETS\E_SHEETS.DWG

A
E-1
UTILITY PLAN



PENDING UTILITY DESIGN

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.



**electrify
america**

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

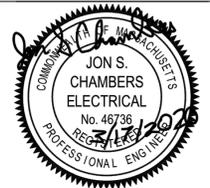
Kimley»Horn

11400 COMMERCE PARK DR.,
SUITE 400
RESTON, VA 20191
703-674-1300

Job Name:

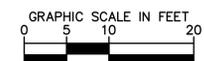
**BANK OF
AMERICA
MA6-293**

342 WASHINGTON ST.
WELLESLEY, MA 02481



SHEET DESCRIPTION:
UTILITY PLAN

Project #: MA210115
 File: CONSTRUCTION DOCUMENTS
 Drawn by: MUG
 Date(s): 01/28/2020
 02/13/2020 REV #1 CD90 PLANS
 02/28/2020 REV #2 CD100 PLANS
 03/18/2020 REV #3 CONDUIT SCHE. UPDATE



E-1



**electrify
america**

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

Kimley»Horn

11400 COMMERCE PARK DR.,
SUITE 400
RESTON, VA 20191
703-674-1300

Job Name:

**BANK OF
AMERICA
MA6-293**

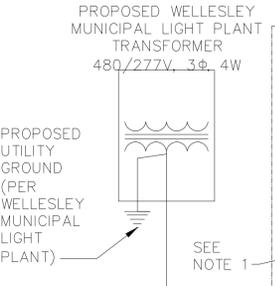
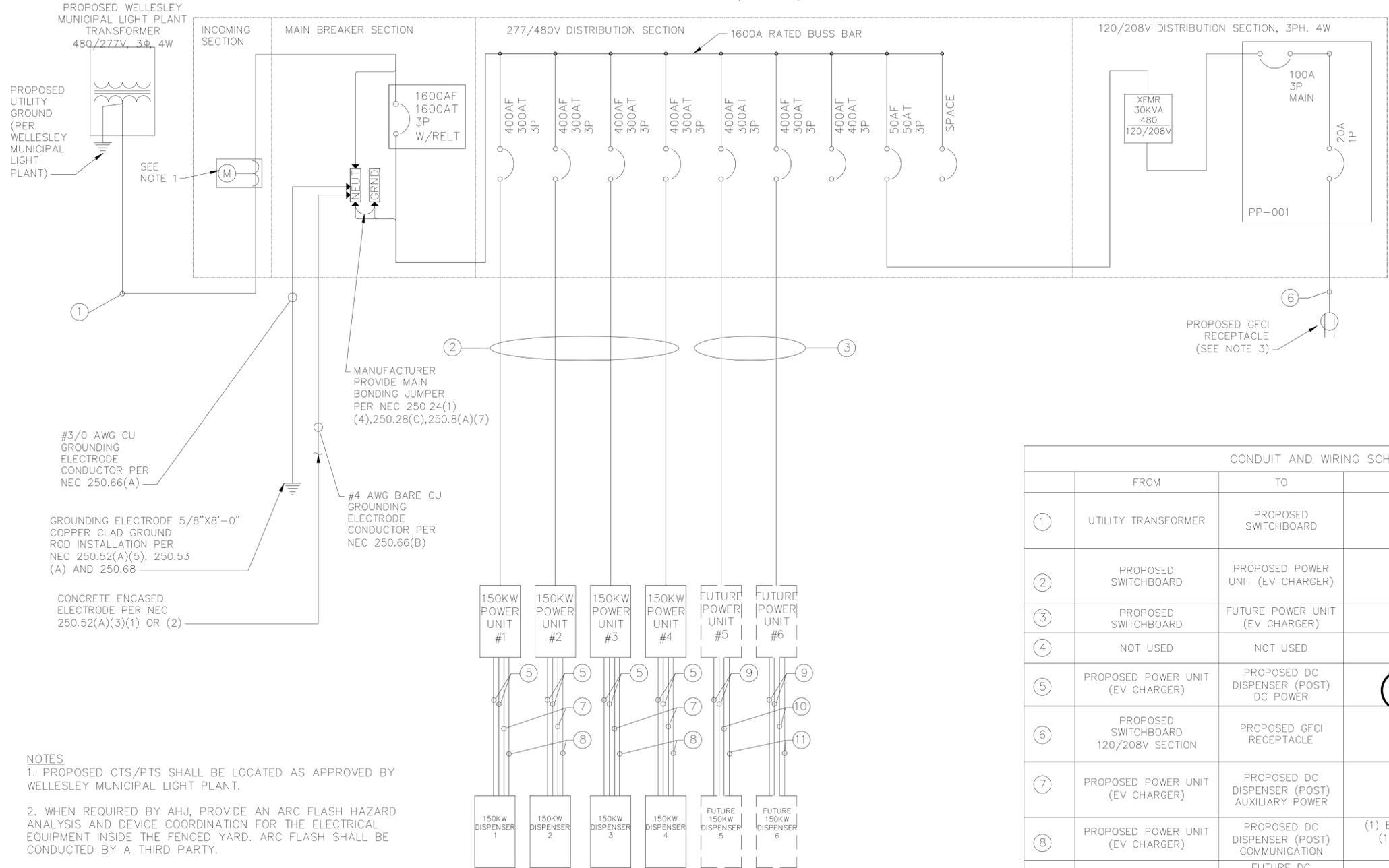
342 WASHINGTON ST.
WELLESLEY, MA 02481



SHEET DESCRIPTION:
SINGLE LINE DIAGRAM

Project #: MA210115
File: CONSTRUCTION DOCUMENTS
Drawn by: MJG
Date(s): 01/28/2020
02/13/2020 REV #1 CD90 PLANS
02/28/2020 REV #2 CD100 PLANS
03/18/2020 REV #3 CONDUIT SCHE. UPDATE

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

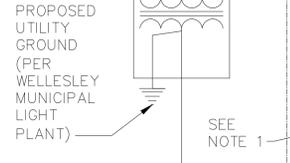


INCOMING SECTION

MAIN BREAKER SECTION

277/480V DISTRIBUTION SECTION

120/208V DISTRIBUTION SECTION, 3PH. 4W



SEE NOTE 1

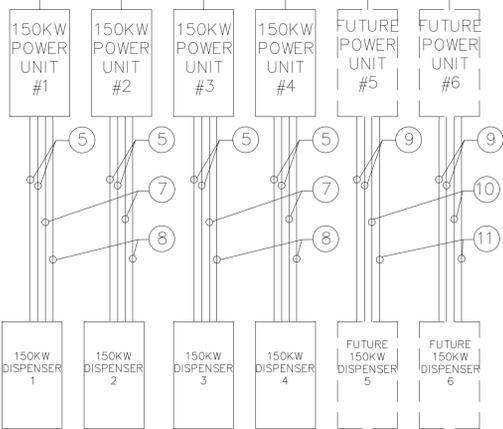
MANUFACTURER PROVIDE MAIN BONDING JUMPER PER NEC 250.24(1) (4), 250.28(C), 250.8(A)(7)

#3/0 AWG CU GROUNDING ELECTRODE CONDUCTOR PER NEC 250.66(A)

GROUNDING ELECTRODE 5/8"x8'-0" COPPER CLAD GROUND ROD INSTALLATION PER NEC 250.52(A)(5), 250.53(A) AND 250.68

CONCRETE ENCASED ELECTRODE PER NEC 250.52(A)(3)(1) OR (2)

#4 AWG BARE CU GROUNDING ELECTRODE CONDUCTOR PER NEC 250.66(B)



PROPOSED GFCI RECEPTACLE (SEE NOTE 3)

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 1/0 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

- NOTES
- PROPOSED CTS/PTS SHALL BE LOCATED AS APPROVED BY WELLESLEY MUNICIPAL LIGHT PLANT.
 - WHEN REQUIRED BY AHJ, PROVIDE AN ARC FLASH HAZARD ANALYSIS AND DEVICE COORDINATION FOR THE ELECTRICAL EQUIPMENT INSIDE THE FENCED YARD. ARC FLASH SHALL BE CONDUCTED BY A THIRD PARTY.
 - PROVIDE WEATHERPROOF "WHILE IN USE" COVER.

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

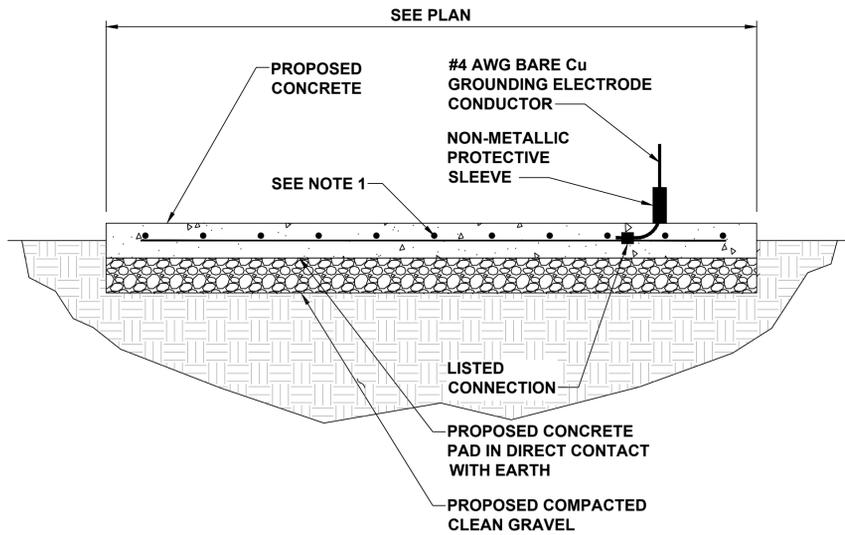
PENDING UTILITY DESIGN



K:\DEN_CIVIL\096867000_ELECTRIFY_AMERICA\MA210115 - BOA_WELLESLEY_HILLS_MAG-293\CADD\PLANS\SHEETS\E_SHEETS.DWG

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

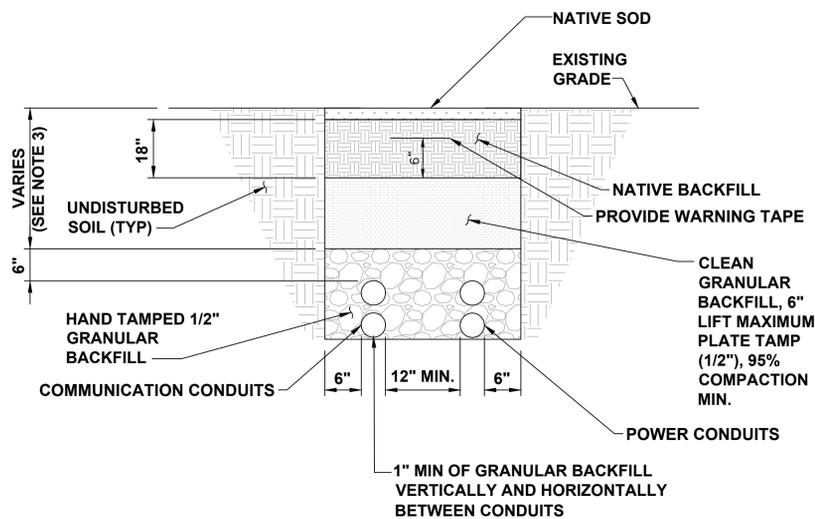
<p>CABLE TO REBAR TEE CONNECTION HORIZONTAL CABLE TAP TO VERTICAL REBAR</p> <p>TYPE RJ</p>	<p>HORIZONTAL SPLICE SPLICE OF HORIZONTAL CABLES</p> <p>TYPE SS</p>	<p>PARALLEL HORIZONTAL CONDUCTORS PARALLEL THROUGH CONNECTION OF HORIZONTAL CABLES</p> <p>TYPE PT</p>
<p>BOND JUMPER FIELD FABRICATED GREEN STRANDED 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.

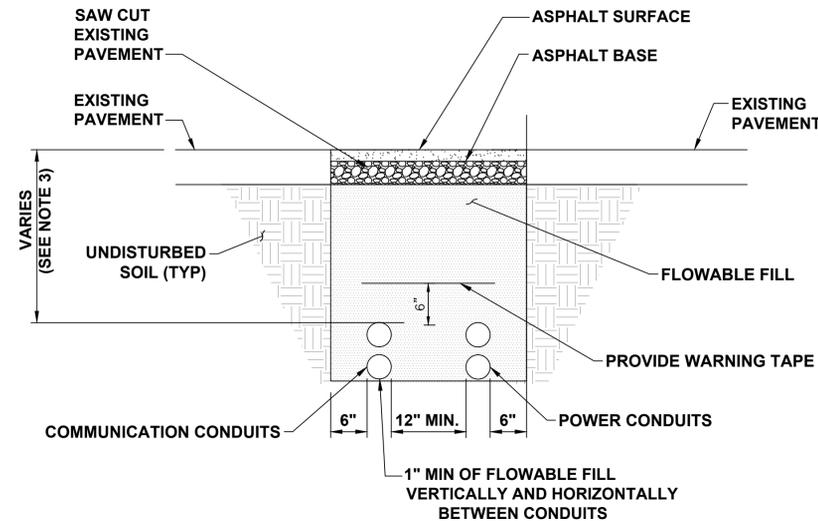
C GROUNDING NOTES
N.T.S.



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.
4. ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE CONSTRUCTION CONDITIONS OR BETTER.
5. 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.

E TYPICAL NON-UTILITY CONDUIT UNDER ASPHALT TRENCH
N.T.S.

F DETAIL NOT USED
N.T.S.



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

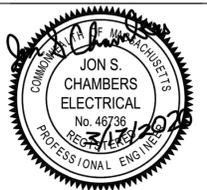


11400 COMMERCE PARK DR.,
SUITE 400
RESTON, VA 20191
703-674-1300

Job Name:

BANK OF AMERICA
MA6-293

342 WASHINGTON ST.
WELLESLEY, MA 02481



SHEET DESCRIPTION:
ELECTRICAL DETAILS

Project #: MA210115
File: CONSTRUCTION DOCUMENTS
Drawn by: MUG
Date(s): 01/28/2020
02/13/2020 REV #1 CD90 PLANS
02/28/2020 REV #2 CD100 PLANS
03/18/2020 REV #3 CONDUIT SCHE. UPDATE

E-4

ACCESS TO: Front Only PHASE: 3P4W WELLESLEY PUBLIC WORKS MA
 CLASS: 2 AMPERE: 1600A CODE: WY
 LABEL: UL SE BUS MTL: A1 750A/1" C/T TYPE: Window
 VOLTAGE: 480/277V PLATE: Tin Plated P/T TYPE
 STYLE: Bolt-On RATING: Fully Rated PER GE DWG 75C143813 PV101,101A,101B
 BUS BRACING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A SH. 1
 DEV MIN INT RATING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A 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)	(2) - 2/0 - 250 MCM CU - Mech. AL	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, 29, 30

NOTES:
 1. 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 swbd.
 2. Equipment ground bus furnished with lugs.
 3. Switchboard qualified for Seismic Ratings per publication DET-463 and OSP-0044-1C.
 4. Shipping splits between each section, ship each section separately.
 5. Switchboard furnished with section space heaters.
 6. Switchboard furnished with thermostat control for section space heaters.
 7. Switchboard furnished with lightning arrestor.
 8. Switchboard furnished with fully rated panel.
 9. Transformer specified. Refer to BOM for details.
 10. Switchboard furnished with Factory Interconnecting Cables per the Wire and Cable Schedule drawings.
 11. Lighting Panel specified. Refer to BOM and Drawings for details.
 12. Device is 100 percent rated.
 13. Device furnished with 120V electric operator.
 14. Device furnished with ETU (LSIGM) programmer.
 15. Device furnished with MET (LSIGM) programmer.
 16. Device is furnished with integral ground fault protection.
 17. Device is furnished with RELT (Reduced Energy Let Through).
 18. 4 wire GROUND FAULT Load.
 19. Device furnished with 4 240V AC/125-250 DC auxiliary switches (SPDT).
 20. Device furnished with padlocking provisions.
 21. Device furnished with 120V AC Remote Close Solenoid.
 22. Device furnished with 120V AC undervoltage release.
 23. Device furnished with 1 Gold-Plated 30VDC auxiliary switches (SPDT).
 24. Device furnished with 120V AC/125V DC shunt trip.
 25. Device requires RELT or ZSI feature if Authority having jurisdiction has adopted NEC 2014 code requirements.
 26. Transformer Primary is provided with factory interconnection cables, see Wire and Cable schedule.
 27. Transformer Secondary is provided with factory interconnection cables, see Wire and Cable schedule.
 28. Lugs not furnished with SPACE AND BUS.
 29. The Primary Transformer is protected by 50 Amp Breaker

PROJECT NAME: Electrify America
 CUST 2: SED
 CUSTOMER: ELECTRIFY AMERICA, LLC, RESTON
 DWG TITLE: Device Information
 CREATED BY: Snider, Tom
 DATE: 04/05/2019 20:53:54
 REVISION NO.: 28
 PRODUCT NAME: Spectra Series Switchboard
 ITEM NO: WELLESLEY MUN 1600A
 MARKS: QUOTE NO: U72-00015645
 SHEET: 1 of 5
 W2 Date: 2/28/2020 8:47:08 PM CreatedSSO

ACCESS TO: Front Only PHASE: 3P4W WELLESLEY PUBLIC WORKS MA
 CLASS: 2 AMPERE: 1600A CODE: WY
 LABEL: UL SE BUS MTL: A1 750A/1" C/T TYPE: Window
 VOLTAGE: 480/277V PLATE: Tin Plated P/T TYPE
 STYLE: Bolt-On RATING: Fully Rated PER GE DWG 75C143813 PV101,101A,101B
 BUS BRACING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A SH. 1
 DEV MIN INT RATING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A 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 90.
 32. Estimated shipping weight for the lineup is 2914 lbs.
 33. Miscellaneous Add-Ons:
 1 MOXA MB5105-MB-EIP
 1 MOXA IOLOGIK E1214
 2 RL 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
 Component section to be before ISB section
 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
 CUST 2: SED
 CUSTOMER: ELECTRIFY AMERICA, LLC, RESTON
 DWG TITLE: Device Information
 CREATED BY: Snider, Tom
 DATE: 04/05/2019 20:53:54
 REVISION NO.: 28
 PRODUCT NAME: Spectra Series Switchboard
 ITEM NO: WELLESLEY MUN 1600A
 MARKS: QUOTE NO: U72-00015645
 SHEET: 2 of 5
 W2 Date: 2/28/2020 8:47:08 PM CreatedSSO

ACCESS TO: Front Only PHASE: 3P4W WELLESLEY PUBLIC WORKS MA
 CLASS: 2 AMPERE: 1600A CODE: WY
 LABEL: UL SE BUS MTL: A1 750A/1" C/T TYPE: Window
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 BUS BRACING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A SH. 1
 DEV MIN INT RATING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A SH. 1

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

CATALOG NO	DESIGNATION	SPUR NAME	PHASE	KVA	TEMP	MATERIAL	FREQ	PRIMARY/SECONDARY	VOLTS	AMPS	NEUTRAL WIRE SIZE	GROUND WIRE SIZE	BONDING	DEVICE ORIGIN (CABLE FROM)	DEVICE DESTINATION (CABLE TO)
97108102	T1		3 Phase	30	150	Aluminum	60 Hz	PRIMARY SECONDARY	288/120	100	(1) #8 (1) #8 (1) #8 (1) #8	(1) #8 (1) #8 (1) #8 (1) #8	Field Wired	Factory wire to panel	Factory wire to panel

DESIGNATION	PANEL NAME	AMPS	VOLTAGE	WORKING TYPE	PHASE WIRE SIZE	NEUTRAL WIRE SIZE	GROUND WIRE SIZE	DEVICE ORIGIN (CABLE FROM)	DEVICE DESTINATION (CABLE TO)
LP1		100 Amps	208	Breaker	(1) #8	(1) #8	(1) #8		T1

NOTES:
 No lighting panel branch circuits will have a NEUT, GND or Bonding wire.
 Any circuit that has a 300V device must have a NEUT, GND and Bonding Wire.
 All wiring to be done in accordance with the NEC and local codes.
 Any Main circuit that has 3 phase 4 wire service will have a NEUT and GND.
 Neutral Splice required to support Power Panel of the ratings only.

PROJECT NAME: Electrify America
 CUST 2: SED
 CUSTOMER: ELECTRIFY AMERICA, LLC, RESTON
 DWG TITLE: Wiring and Cable Schedule
 CREATED BY: Snider, Tom
 DATE: 04/05/2019 20:53:54
 REVISION NO.: 28
 PRODUCT NAME: Spectra Series Switchboard
 ITEM NO: WELLESLEY MUN 1600A
 MARKS: QUOTE NO: U72-00015645
 SHEET: 3 of 5
 W2 Date: 2/28/2020 8:47:08 PM CreatedSSO

ACCESS TO: Front Only PHASE: 3P4W WELLESLEY PUBLIC WORKS MA
 CLASS: 2 AMPERE: 1600A CODE: WY
 LABEL: UL SE BUS MTL: A1 750A/1" C/T TYPE: Window
 VOLTAGE: 480/277V PLATE: Tin Plated P/T TYPE
 STYLE: Bolt-On RATING: Fully Rated PER GE DWG 75C143813 PV101,101A,101B
 BUS BRACING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A SH. 1
 DEV MIN INT RATING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A SH. 1

Component section will be located between the distribution panel section and the transformer/lighting panel section.

FRONT VIEW

BUSSING DIAGRAM

PROJECT NAME: Electrify America
 CUST 2: SED
 CUSTOMER: ELECTRIFY AMERICA, LLC, RESTON
 DWG TITLE: Front View
 CREATED BY: Snider, Tom
 DATE: 04/05/2019 20:53:54
 REVISION NO.: 28
 PRODUCT NAME: Spectra Series Switchboard
 ITEM NO: WELLESLEY MUN 1600A
 MARKS: QUOTE NO: U72-00015645
 SHEET: 4 of 5
 W2 Date: 2/28/2020 8:47:08 PM CreatedSSO

ACCESS TO: Front Only PHASE: 3P4W WELLESLEY PUBLIC WORKS MA
 CLASS: 2 AMPERE: 1600A CODE: WY
 LABEL: UL SE BUS MTL: A1 750A/1" C/T TYPE: Window
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 BUS BRACING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A SH. 1
 DEV MIN INT RATING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A SH. 1

Top Conduit Area

Section 1 Section 2 Section 3 Section 4

FRONT PLAN VIEW

Bottom Conduit Area

FRONT PLAN VIEW

PROJECT NAME: Electrify America
 CUST 2: SED
 CUSTOMER: ELECTRIFY AMERICA, LLC, RESTON
 DWG TITLE: Conduit View
 CREATED BY: Snider, Tom
 DATE: 04/05/2019 20:53:54
 REVISION NO.: 28
 PRODUCT NAME: Spectra Series Switchboard
 ITEM NO: WELLESLEY MUN 1600A
 MARKS: QUOTE NO: U72-00015645
 SHEET: 5 of 5
 W2 Date: 2/28/2020 8:47:08 PM CreatedSSO

ACCESS TO: Front Only PHASE: 3P4W WELLESLEY PUBLIC WORKS MA
 CLASS: 2 AMPERE: 1600A CODE: WY
 LABEL: UL SE BUS MTL: A1 750A/1" C/T TYPE: Window
 VOLTAGE: 480/277V PLATE: Tin Plated P/T TYPE
 STYLE: Bolt-On RATING: Fully Rated PER GE DWG 75C143813 PV101,101A,101B
 BUS BRACING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A SH. 1
 DEV MIN INT RATING (RMS SYM): 65000A PER PWR CO SPEC 75C320303A SH. 1

PANEL MARKS:
 TECHNICAL SPECIFICATIONS

PANEL TYPE: A0 PANELBOARD
 QUANTITY: 1
 AMPS: 125A
 VOLTAGE: 208Y/120V
 SYSTEM: 3P4W
 MATERIAL: 10 KAIC SC FULLY RATED
 ENCLOSURE: ALUMINUM BUS
 MOUNTING: NEMA 1 ENCLOSURE SURFACE
 SECTION: 1

MAIN DISCONNECT DEVICE
 FEED DIR: Top
 TYPE: Breaker
 AMPS: 100
 CATALOG NO.: THQB2100
 POLES: 3
 LUGS: 1-phase 1-cable/lug #14 - 1/0

OPTIONS INCLUDED

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

BRANCH DEVICES

QTY	AMPS/POLES	DESCRIPTION
1	20A /1P	THQB1100
1	40A /2P	THQB140
3	20A /1P	Space THQB1100
6	30A /1P	THQB130
1	15A /1P	THQB115

PROJECT NAME: Electrify America
 CUST 2: SED
 CUSTOMER: ELECTRIFY AMERICA, LLC, RESTON
 DWG TITLE: Panel Information
 CREATED BY: Snider, Tom
 DATE: 04/05/2019 20:53:54
 REVISION NO.: 28
 PRODUCT NAME: Spectra Series Switchboard
 ITEM NO: WELLESLEY MUN 1600A
 MARKS: QUOTE NO: U72-00015645
 SHEET: 6 of 5
 W2 Date: 2/28/2020 8:47:08 PM CreatedSSO



ELECTRIFY AMERICA, LLC,
 2033 EDWIND HALLEY DRIVE
 SUITE 200
 RESTON, VA 20191



11400 COMMERCE PARK DR,
 SUITE 400
 RESTON, VA 20191
 703-674-1300

Job Name:
BANK OF AMERICA MA6-293

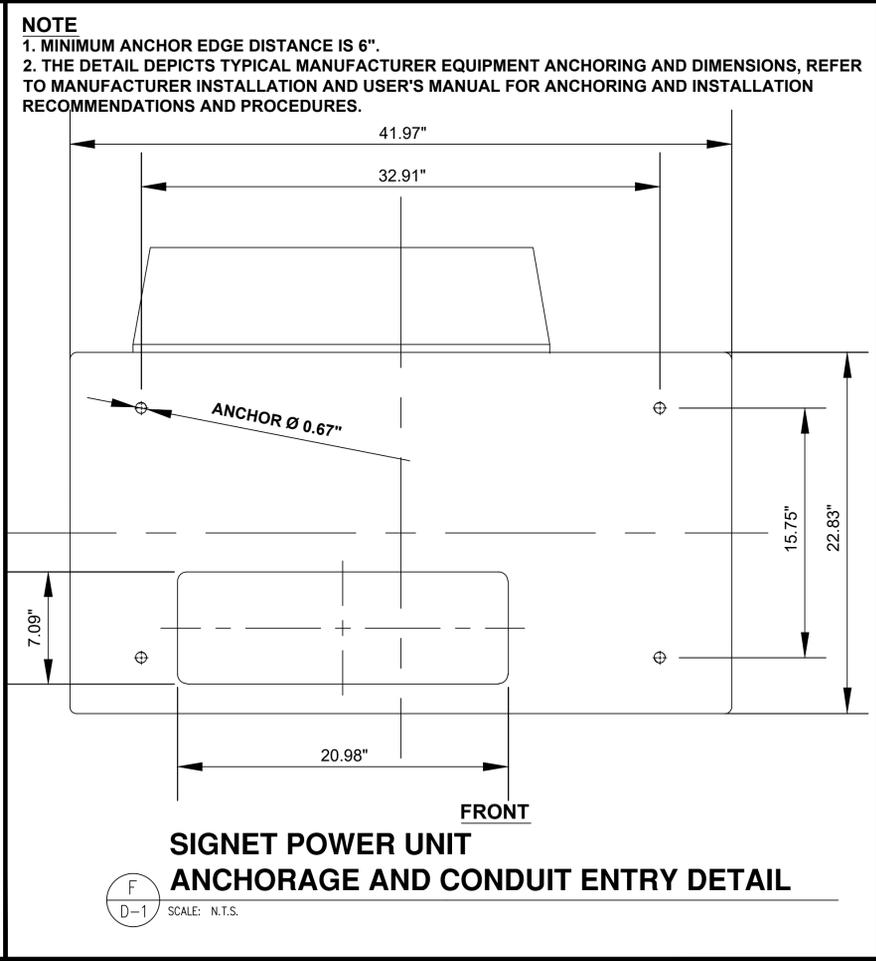
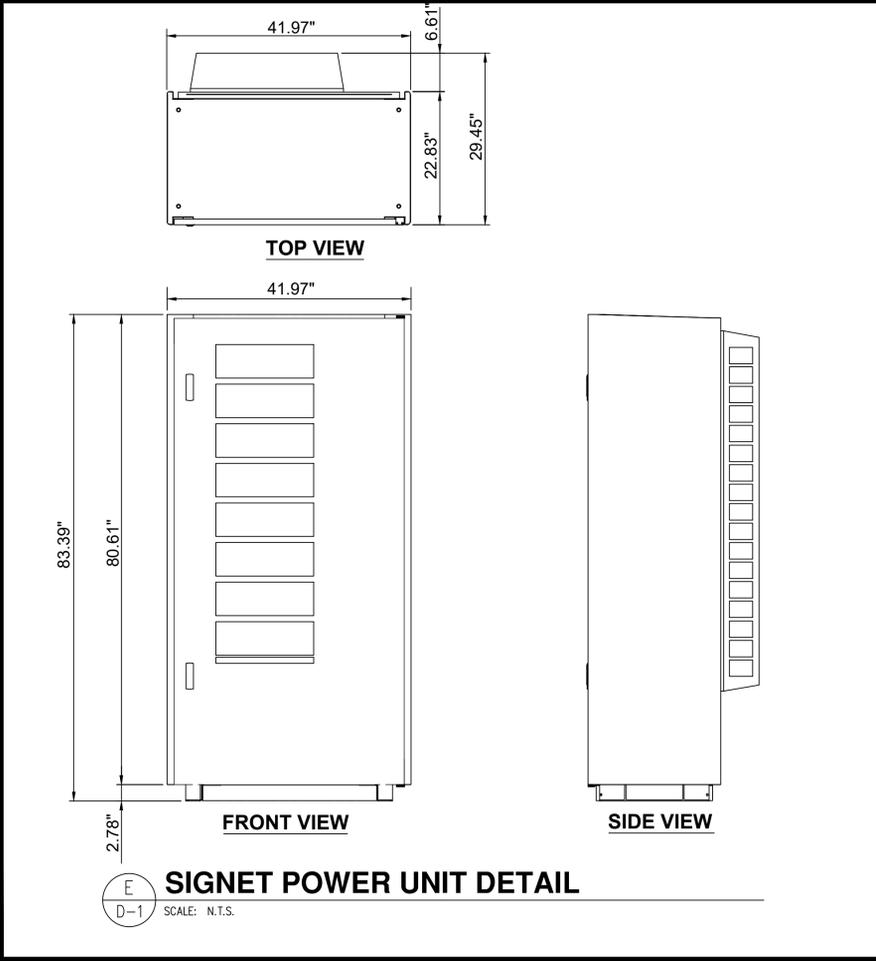
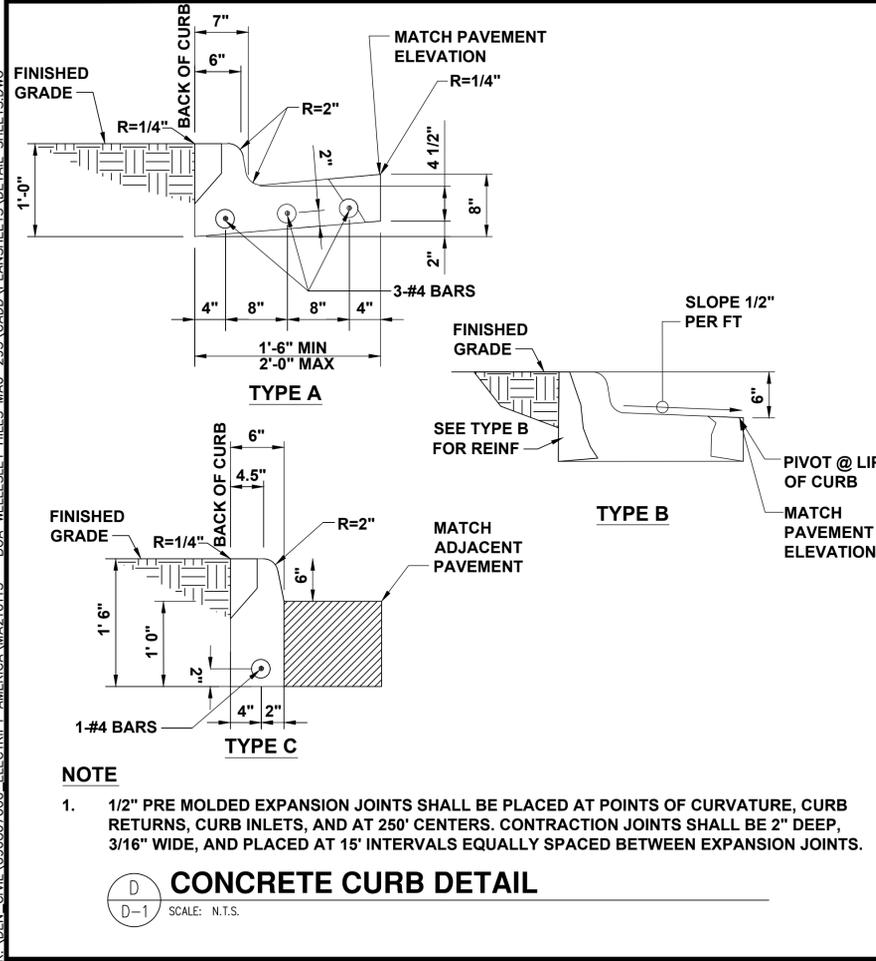
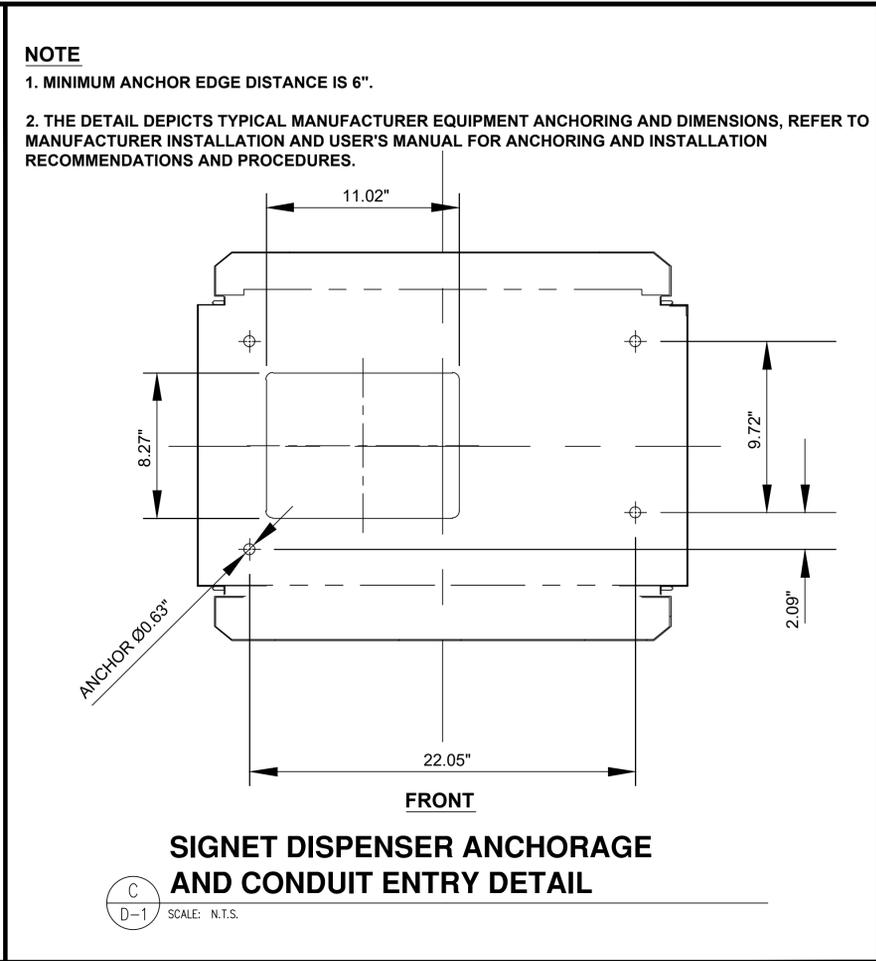
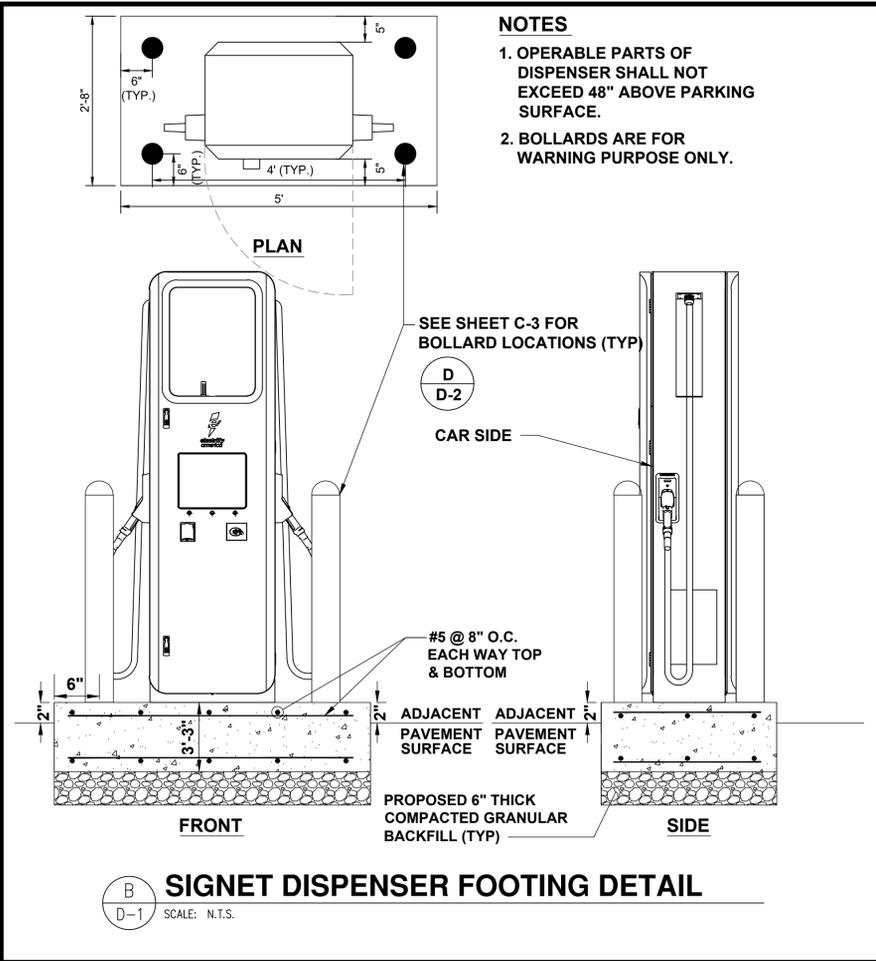
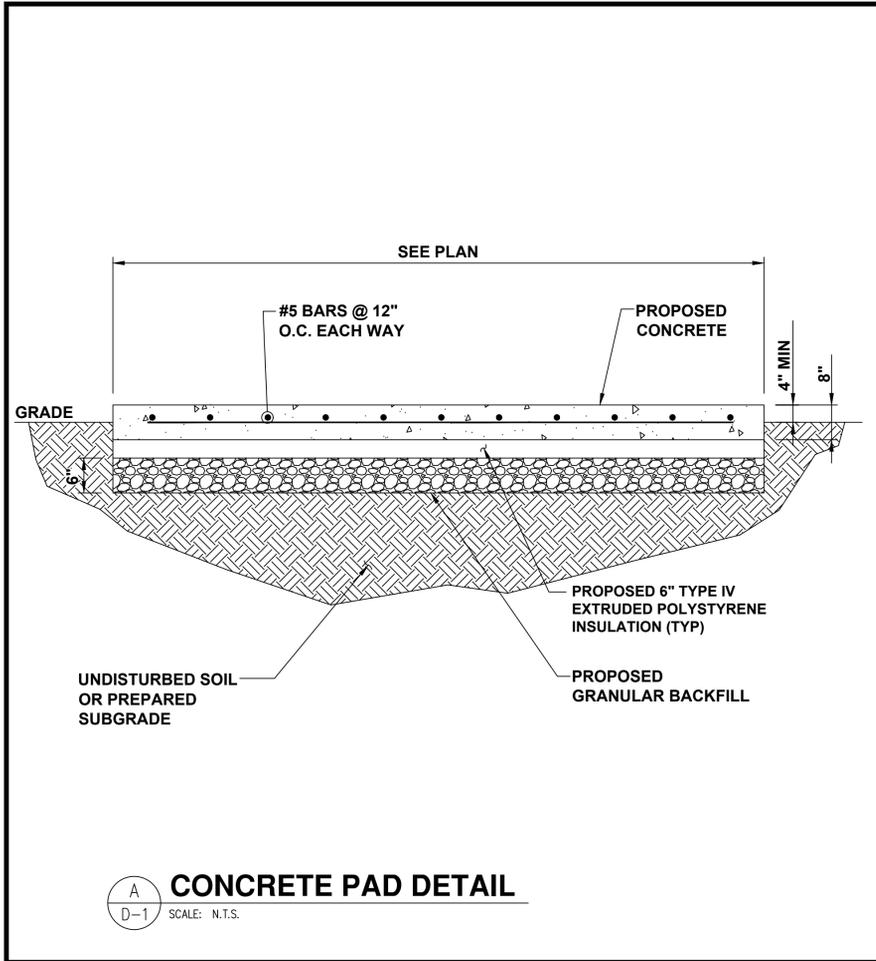
342 WASHINGTON ST.
 WELLESLEY, MA 02481



SHEET DESCRIPTION:
 ELECTRICAL DETAILS

Project #: MA210115
 File: CONSTRUCTION DOCUMENTS
 Drawn by: MJG
 Date(s): 01/28/2020
 02/13/2020 REV #1 CD90 PLANS
 02/28/2020 REV #2 CD100 PLANS
 03/18/2020 REV #3 CONDUIT SCHE. UPDATE





- NOTES**
1. OPERABLE PARTS OF DISPENSER SHALL NOT EXCEED 48" ABOVE PARKING SURFACE.
 2. BOLLARDS ARE FOR WARNING PURPOSE ONLY.

- NOTE**
1. MINIMUM ANCHOR EDGE DISTANCE IS 6".
 2. THE DETAIL DEPICTS TYPICAL MANUFACTURER EQUIPMENT ANCHORING AND DIMENSIONS, REFER TO MANUFACTURER INSTALLATION AND USER'S MANUAL FOR ANCHORING AND INSTALLATION RECOMMENDATIONS AND PROCEDURES.

- NOTE**
1. MINIMUM ANCHOR EDGE DISTANCE IS 6".
 2. THE DETAIL DEPICTS TYPICAL MANUFACTURER EQUIPMENT ANCHORING AND DIMENSIONS, REFER TO MANUFACTURER INSTALLATION AND USER'S MANUAL FOR ANCHORING AND INSTALLATION RECOMMENDATIONS AND PROCEDURES.



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



11400 COMMERCE PARK DR.,
SUITE 400
RESTON, VA 20191
703-674-1300

Job Name:
BANK OF AMERICA MA6-293

342 WASHINGTON ST.
WELLESLEY, MA 02481



SHEET DESCRIPTION:
DETAIL SHEETS

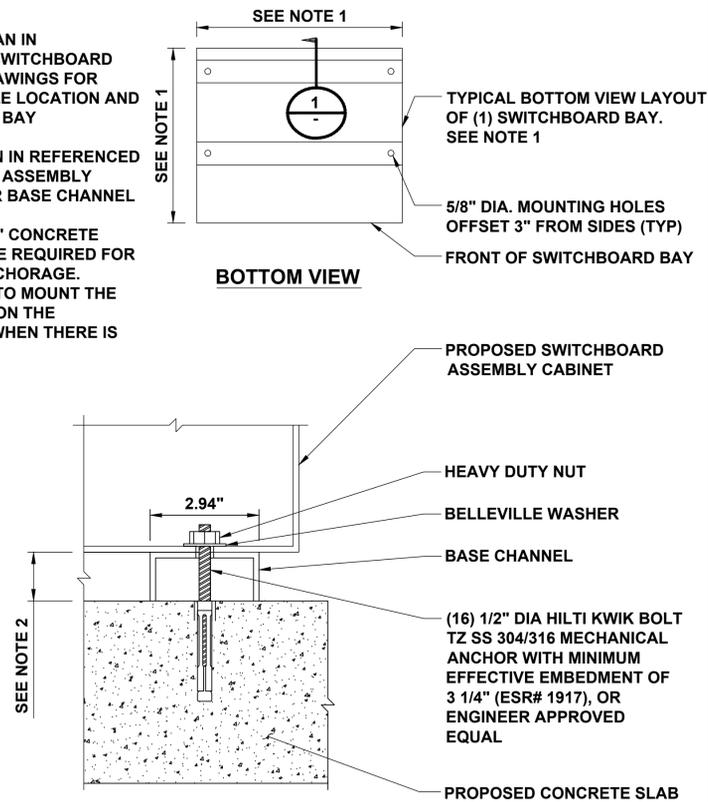
Project #: MA210115
File: CONSTRUCTION DOCUMENTS
Drawn by: MUG
Date(s): 01/28/2020
02/13/2020 REV #1 CD90 PLANS
02/28/2020 REV #2 CD100 PLANS
03/17/2020 REV #3 CONDUIT SCHE. UPDATE



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NOTES

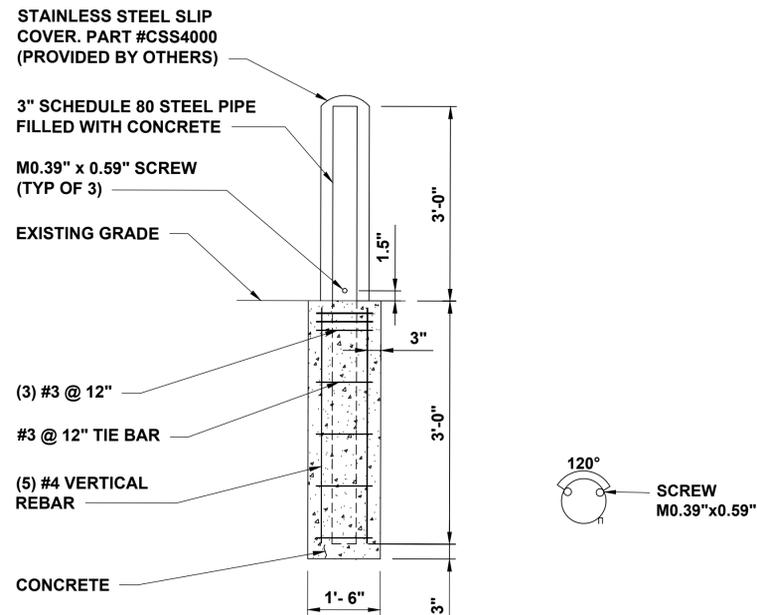
- SEE FLOOR PLAN IN REFERENCED SWITCHBOARD ASSEMBLY DRAWINGS FOR MOUNTING HOLE LOCATION AND SWITCHBOARD BAY DIMENSIONS.
- SEE ELEVATION IN REFERENCED SWITCHBOARD ASSEMBLY DRAWINGS FOR BASE CHANNEL DIMENSION.
- MINIMUM 10 1/2" CONCRETE EDGE DISTANCE REQUIRED FOR PROPOSED ANCHORAGE.
- CONTRACTOR TO MOUNT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



A SWITCHBOARD MOUNTING DETAIL
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.

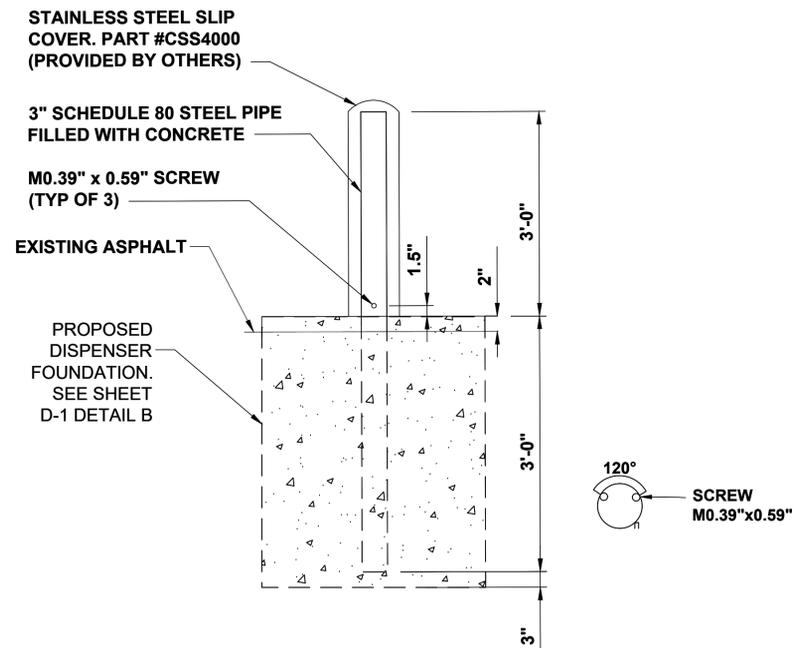


B WARNING BOLLARD DETAIL
SCALE: N.T.S.

C NOT USED
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.



D DISPENSER WARNING BOLLARD DETAIL
SCALE: N.T.S.

E NOT USED
SCALE: N.T.S.

F NOT USED
SCALE: N.T.S.



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



11400 COMMERCE PARK DR.,
SUITE 400
RESTON, VA 20191
703-674-1300

Job Name:

**BANK OF AMERICA
MA6-293**

342 WASHINGTON ST.
WELLESLEY, MA 02481



SHEET DESCRIPTION:
DETAIL SHEETS

Project #: MA210115
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Drawn by: MUG
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02/13/2020 REV #1 CD90 PLANS
02/28/2020 REV #2 CD100 PLANS
03/17/2020 REV #3 CONDUIT SCHE. UPDATE

D-2

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A
D-3 NOT USED
SCALE: N.T.S.

B
D-3 NOT USED
SCALE: N.T.S.

C
D-3 **STANDALONE METER CAN UNISTRUT SUPPORT**
SCALE: NTS

D
D-3 NOT USED
SCALE: NTS

E
D-3 NOT USED
SCALE: N.T.S.



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2003 EDMUND HALLEY DRIVE
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Job Name:

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MA6-293**

342 WASHINGTON ST.
WELLESLEY, MA 02481



3-17-20

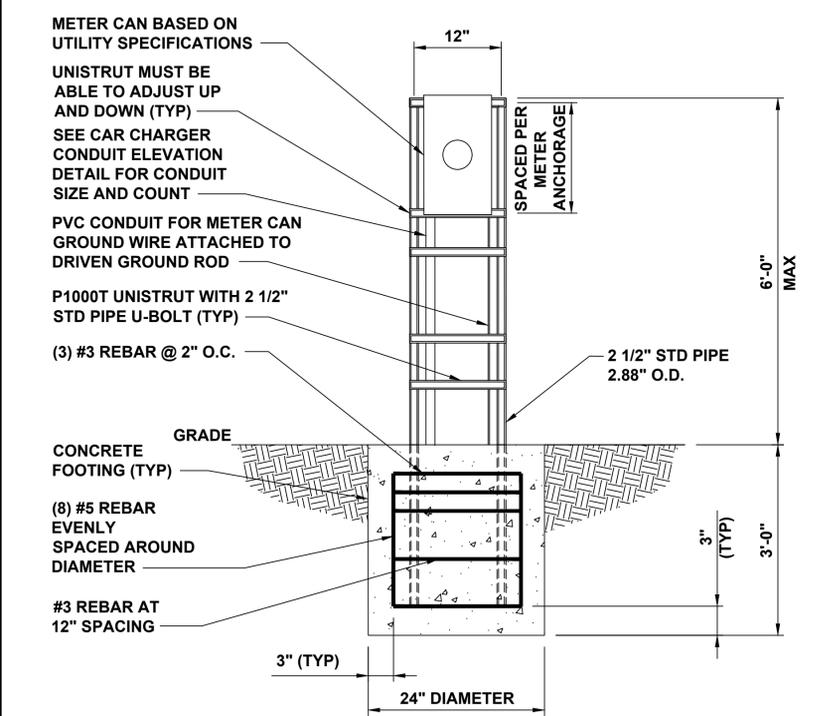
SHEET DESCRIPTION:
DETAIL SHEETS

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03/17/2020 REV #3 CONDUIT SCHE. UPDATE



STANDALONE CUSTOMER PROVIDED TUV INSTRUMENT RATED METER CAN ON UNISTRUT SUPPORT

NOTE
1. GENERIC LOADING: V=115 MPH, EXP C, KZ=0.85, SS=3.73g, SITE CLASS=D, SDS=2.64, (2) 1-1/4" CONDUIT, METER MAX WIND AREA = 540 SQ IN.



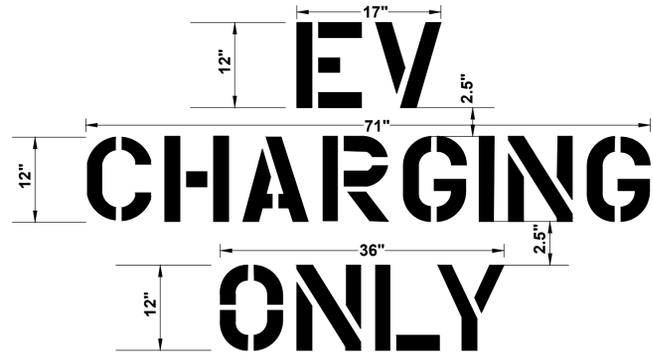
C
D-3 **STANDALONE METER CAN UNISTRUT SUPPORT**
SCALE: NTS

NOTES

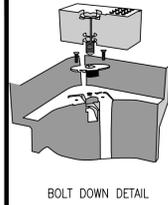
1. BOTTOM OF STENCIL TO BE PLACED AT THE LEADING EDGE OF THE PROPOSED PARKING STALL
2. STENCIL TO FIT WITHIN DIMENSIONS SHOWN
3. PAVEMENT MARKING TO BE PAINTED WHITE

PAINT SPECIFICATIONS

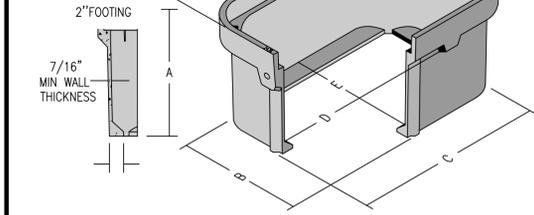
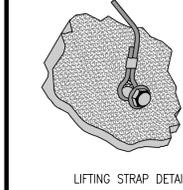
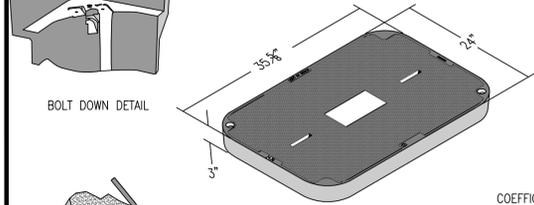
1. PAINT SHALL BE WATERBORNE OR SOLVENT BORNE, COLORS AS SHOWN OR SPECIFIED HEREIN. PAVEMENT MARKING PAINTS SHALL COMPLY WITH APPLICABLE STATE AND LOCAL LAWS ENACTED TO ENSURE COMPLIANCE WITH FEDERAL CLEAN AIR STANDARDS. PAINT MATERIALS SHALL CONFORM TO THE RESTRICTIONS OF THE LOCAL AIR POLLUTION CONTROL 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.



	A	B	C	D	E
2436-18	18	23-5/8	35-1/4	33-3/15	21-9/16

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, WUC 3.6
ASTM C857A-12
ANSI/SCTE-77 TIER22, WUC3.6,
ASTM C857A-16

BODY:
MATERIAL: POLYMER CONCRETE
MODEL: 24"x36"
WEIGHT: 18" DEPTH: 142LBS

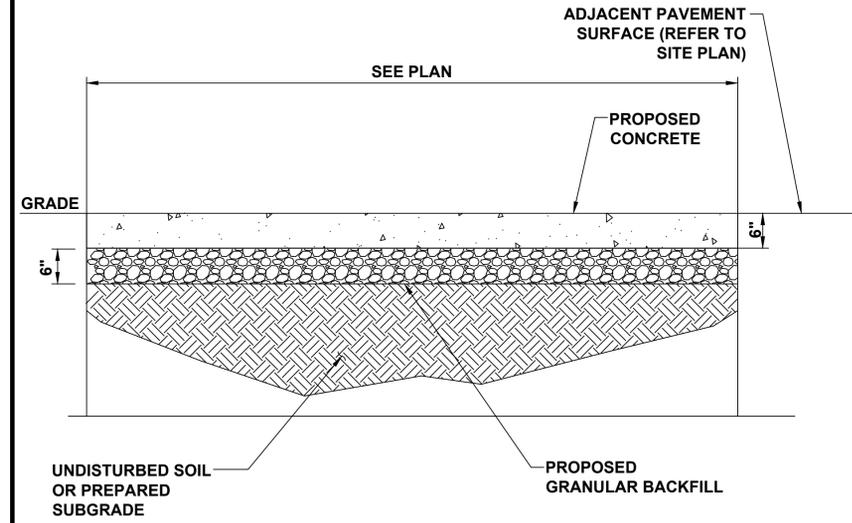
WALL TYPE: STRAIGHT
PERFORMANCE: ANSI/SCTE-77 TIER22, WUC3.6,
ASTM C857A-16

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.

NOTE

1. REFER TO REINFORCED CONCRETE NOTE FOR CONCRETE REQUIREMENTS



C PARKING LOT CONCRETE DETAIL
SCALE: N.T.S.

D NOT USED
SCALE: N.T.S.

E NOT USED
SCALE: N.T.S.

F NOT USED
SCALE: N.T.S.



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



11400 COMMERCE PARK DR.,
SUITE 400
RESTON, VA 20191
703-674-1300

Job Name:

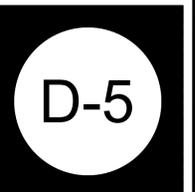
**BANK OF AMERICA
MA6-293**

342 WASHINGTON ST.
WELLESLEY, MA 02481



SHEET DESCRIPTION:
DETAIL SHEETS

Project #: MA210115
File: CONSTRUCTION DOCUMENTS
Drawn by: MUG
Date(s): 01/28/2020
02/13/2020 REV #1 CD90 PLANS
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03/17/2020 REV #3 CONDUIT SCHE. UPDATE



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TITLE DESCRIPTION

Four parcels of land situated in that part of said Wellesley known as Wellesley Hills, being shown as Lots 3, 4, 5 and 6 on a plan entitled "Plan of Land in Wellesley, Mass., owned by Putney Estate," drawn by Farnham & Gleason, Inc., Civil Engineers, dated September, 1924, and recorded with Norfolk Deeds at the end of Book 1680, and being respectively bounded and described as follows:

Lot 3. Northeasterly by Abbott Road fifty-five (55) feet;
Southeasterly by Lot 2 as shown on said plan one hundred twenty-seven and 10/100 (127.10) feet; Southwesterly by land now or formerly of Babson Park Company fifty-five (55) feet; and Northwesterly by Lot 4 as shown on said plan one hundred twenty-six and 85/100 (126.85) feet; Containing 6,983 square feet of land, according to said plan.

Lot 4. Northeasterly by Abbott Road fifty (50) feet;
Southeasterly by Lot 3 as shown on said plan one hundred twenty-six and 85/100 (126.85) feet; Southwesterly by land now or formerly of Babson Park Company fifty and 93/100 (50.93) feet; Northwesterly by Lot 5 as shown on said plan one hundred twenty-six and 58/100 (126.58) feet; containing 6,402 square feet of land, according to said plan.

Lot 5. Northeasterly by Abbott Road eighty-two and 30/100 (82.30) feet;
Southeasterly by Lot 4 as shown on said plan one hundred twenty-six and 58/100 (126.58) feet; Westerly by land marked "Commonwealth of Massachusetts" on said plan thirty-nine and 34/100 (39.34) feet;
Northwesterly by land of owners unknown twelve and 80/100 (12.80) feet;
Southwesterly by land of owners unknown ten and 281/100 (10.28) feet; and Northwesterly
by land marked on said plan "Commonwealth of Massachusetts" by two lines measuring thirty-seven and 18/100 (37.18) feet and fifty-nine and 3/100 (59.03) feet, respectively,
Containing 6,080 square feet of land.

Lot 6. Northwesterly by Washington Street twenty-three and 85/100 (23.85) feet;
Easterly by land marked "Commonwealth of Massachusetts" on said plan thirty-one and 19/100 (31.19) feet;
Southwesterly by land marked "Wellesley Trust Company" on said plan eighteen and 46/100 (18.46) feet;
Containing 220 square feet of land.

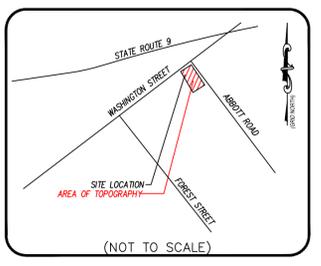
*Also all the right, title and interest in and to the fee and soil of the land marked "Commonwealth of Massachusetts" on said plan at the End of Book 1680.

This Survey and Legal Description are the same as that shown on the Title Commitment prepared by First American Title Insurance Company, Commitment Number: Commitment No.: NCS-984930-BOS1, Commitment Date: 10/18/2019.

SCHEDULE "B" ITEMS

- NOTES CORRESPONDING TO SCHEDULE "B" SECTION TWO EXCEPTIONS:**
1. Zoning Decision issued by the Town of Wellesley Zoning Board of Appeals, dated May 19, 1981, Notice of which is recorded in **Book 5871, Page 675. DOES AFFECT SURVEY AREA, PLOTTED HEREOF.**
 2. Zoning Decision issued by the Town of Wellesley Zoning Board of Appeals, dated May 19, 1981, Notice of which is recorded in **Book 5871, Page 675. DOES AFFECT SURVEY AREA, UNABLE TO PLOT.**
 3. Zoning Decision issued by the Town of Wellesley Zoning Board of Appeals, dated September 17, 1986, Notice of which is recorded in **Book 7242, Page 145. DOES AFFECT SURVEY AREA, PLOTTED HEREOF.**
 4. Zoning Decision issued by the Town of Wellesley Zoning Board of Appeals, dated May 16, 1990, Notice of which is recorded in **Book 8639, Page 468. DOES AFFECT SURVEY AREA, PLOTTED HEREOF.**
 5. Zoning Decision issued by the Town of Wellesley Zoning Board of Appeals, dated December 21, 2000, Notice of which is recorded in **Book 14617, Page 319. DOES AFFECT SURVEY AREA, PLOTTED HEREOF.**
 6. The rights, easements, and privileges of the Commonwealth and its successors and assigns therein in the area marked "Commonwealth of Massachusetts" on the plan recorded at **Book 1680 Page End. DOES AFFECT SURVEY AREA, PLOTTED HEREOF.**
 7. Atlas for the Town of Wellesley shows the Cochituate Aqueduct extending across that portion of the premises shown as "Commonwealth of Massachusetts." **DOES AFFECT SURVEY AREA, PLOTTED HEREOF.**

VICINITY MAP

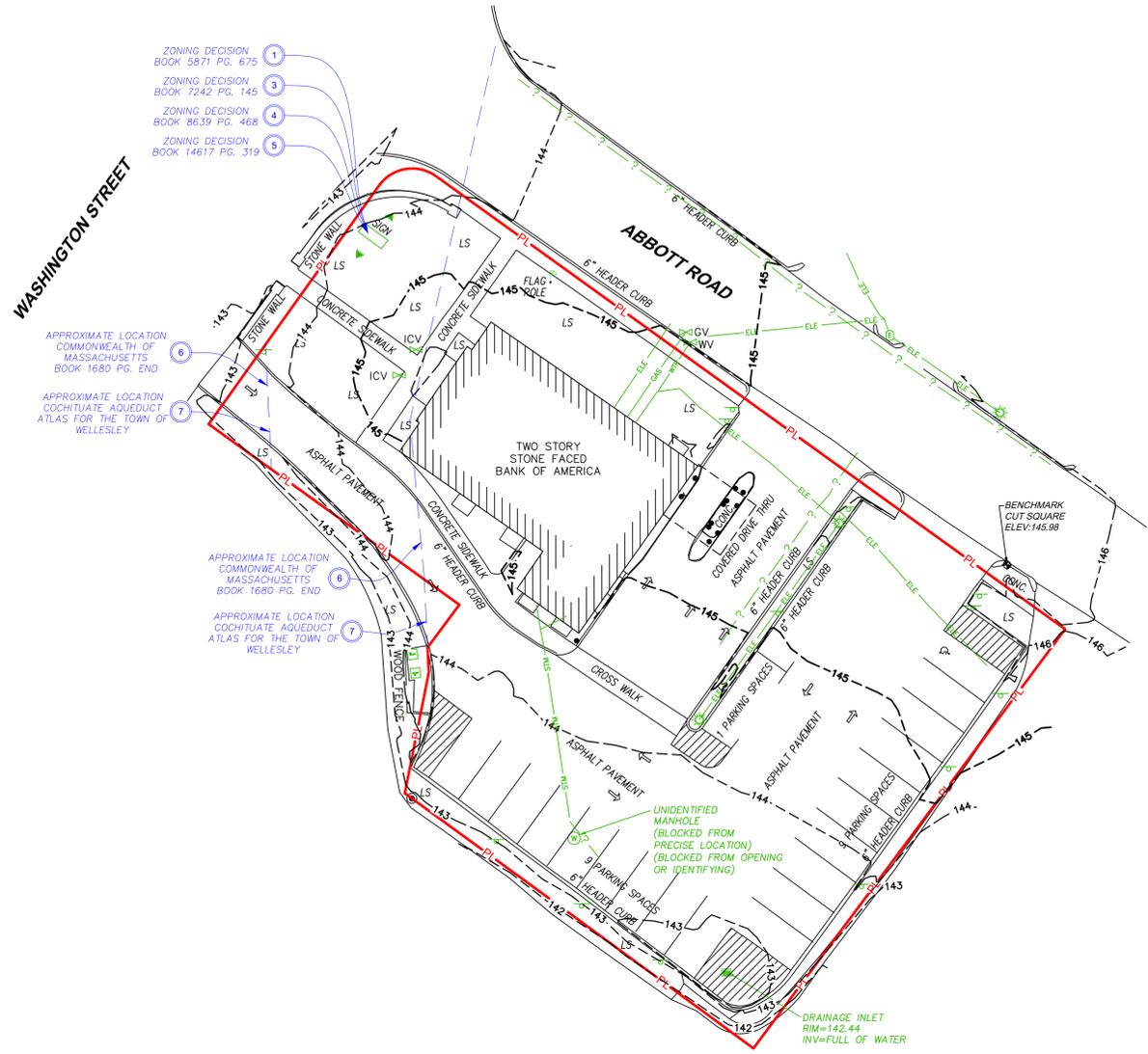


SURVEYOR NOTES

1. 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.
2. Any underground utilities shown have been located from field survey information. 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.
3. FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA FIRMs published 10/18/19 referencing Flood Insurance Rate Map, Map Number 25021C 0017E effective date 07/17/12, indicates this parcel is located in Zone "X" - Areas determined to be outside the 0.2% annual chance floodplain.
4. 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 Search Report, prepared by First American Title Insurance Company with a Commitment No.: NCS-984930-BOS1, Commitment Date: 10/18/19.
5. Elevations are based on NAVD 88 datum.
6. SITE BENCHMARK: CUT SQUARE, Elevation: 145.98' (NAVD 88)
7. BASIS OF BEARINGS: GRID NORTH, STATE PLANE COORDINATE SYSTEM, NAD83, MASSACHUSETTS MAINLAND ZONE
8. Field work for this survey was completed on October 30, 2019.
9. 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.
10. Per the Zoning Information Report prepared by FA-CDS (888) 322 7371 - cds.solutions@firstam.com; Order No.: 19-10-0407, Dated: 10/22/19; this site is zoned:
BUSINESS
MINIMUM FRONT SETBACK: NO REQUIREMENT NOTED
MINIMUM SIDE SETBACKS: NO REQUIREMENT NOTED
MINIMUM REAR SETBACK: NO REQUIREMENT NOTED
MAXIMUM HEIGHT: NO REQUIREMENT NOTED
MINIMUM LOT AREA: NO REQUIREMENT NOTED
MINIMUM LOT WIDTH: NO REQUIREMENT NOTED
MINIMUM LOT DEPTH: NO REQUIREMENT NOTED
MAXIMUM FLOOR AREA RATIO: 0.30 MAXIMUM
MAXIMUM COVERAGE: NO REQUIREMENT NOTED
MINIMUM PARKING: ANY BUILDING USED FOR ANY BUSINESS, INDUSTRIAL, EDUCATIONAL OR COMMERCIAL PURPOSE: ONE SPACE FOR EACH 150 SQ. FT. OF GROUND COVERAGE OF BUILDINGS BUT NOT LESS THAN 3.2 SPACES PER 1,000 SQ. FT. OF FLOOR AREA OF BUILDINGS.

LEGEND

- OHU — OVER HEAD UTILITIES
- ELE — UNDER GROUND ELECTRIC
- TEL — UNDER GROUND TELEPHONE
- STW — UNDER GROUND STORM
- ? — UNKNOWN UNDER GROUND UTILITY
- ? — UNDER GROUND MISCELLANEOUS
- 5' — CONTOUR 5 FT. INTERVAL
- 1' — CONTOUR 1 FT. INTERVAL
- PL — PROPERTY LINE
- ADJ — ADJACENT PROPERTY LINE
- EASE — EASEMENT LINE
- MRC — METAL RAIL CART CORRAL RAILING
- ⊕ — WATER METER
- ⊕ — IRRIGATION CONTROL VALVE
- ⊕ — SPRINKLER
- ⊕ — TELEPHONE PEDESTAL
- ⊕ — UTILITY POLE
- ⊕ — STORM DRAIN MANHOLE
- ⊕ — SANITARY SEWER MANHOLE
- ⊕ — UTILITY VAULT
- ⊕ — DRAINAGE INLET
- ⊕ — LIGHT POLE
- ⊕ — WATER MANHOLE
- ⊕ — SITE BENCHMARK CUT BOX
- ⊕ — SITE BENCHMARK MAG-HUB
- ⊕ — SIGN POST
- ⊕ — FOUND MONUMENTATION
- ⊕ — HANDICAP PARKING SPACE
- ⊕ — TRAFFIC DIRECTION ARROW
- ⊕ — SCHEDULE BII EXCEPTION NUMBER
- INV = INVERT
- BK = BOOK
- DB = DEED BOOK
- FB = PLAT BOOK
- MH = MANHOLE
- PVC = POLYVINYL CHLORIDE
- RCP = REINFORCED CONCRETE PIPE
- TBM = TEMPORARY BENCHMARK
- TE = TRASH ENCLOSURE
- WV = WATER VALVE
- GV = GAS VALVE
- ICV = IRRIGATION CONTROL VALVE



NORTH ARROW / SCALE



Limited Topographic Survey

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: GPB	Date:
Surveyor Ref. No: 19-10-0407-1	Revision:
Approved By: WAR	Date: 2/4/2020
Field Date: 10/30/19	Revision: UTILITIES
Scale: 1" = 20'	Date: --
	Revision: --

Prepared For:
BANK OF AMERICA
WELLESLEY HILLS MA6-293
SITE ID: 210115

PROJECT ADDRESS
342 WASHINGTON STREET
WELLESLEY, MA 02481

Project Name:
WELLESLEY HILLS MA6-293
CDS Project Number:
19-10-0407-001

SURVEYOR CERTIFICATION

On the basis of my knowledge, information and belief, I hereby state and declare that this drawing was prepared under my direct supervision to the standard of care of surveyors practicing in the State of Massachusetts and that the information shown hereon is true and correct to the best of my knowledge and belief.

This statement is neither warranty nor guarantee, either expressed or implied.
Date of Plat or Map: 11/18/2019.

William A. Robenstein

William A. Robenstein
License No. 35413
Date of Signature: February 04, 2020

