

PROPERTY OWNER

SIGNATURE

DATE



PROJECT NUMBER: 210180
INSTALLATION OF ELECTRIC VEHICLES CHARGING EQUIPMENT
ORANGETOWN SHOPPING CENTER
45 ORANGETOWN ROAD
ORANGETOWN, NY 10962



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



1 N LEXINGTON AVE
 SUITE 1575
 WHITE PLAINS, NY 10601
 914-368-9200

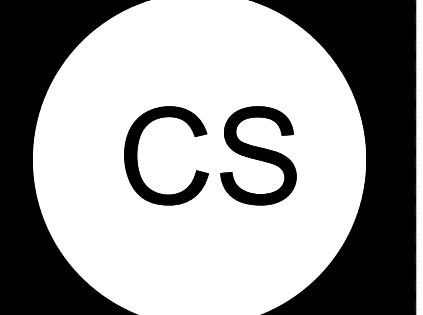
Job Name:
ORANGETOWN SHOPPING CENTER

45 ORANGETOWN ROAD
 ORANGETOWN, NY 10962



SHEET DESCRIPTION:
 COVER SHEET AND
 PROJECT INFORMATION

Project #: 210180
 File: CONSTRUCTION DOCUMENTS
 Drawn by: MDP
 Date(s): 10/11/2019
 10/30/2019 REV #1 CD90 PLANS
 12/13/2019 REV #2 CD100 PLANS
 03/11/2020 REV #3 AHJ SUBMITTAL
 09/01/2020 REV #4 AHJ SUBMITTAL
 09/09/2020 REV #5 ACABOR SUBMITTAL
 09/11/2020 REV #6 SUPRA BOX UPDATE
 09/29/2020 REV #7 FENCE UPDATE
 12/03/2020 REV #8 ACABOR SUBMITTAL



SITE INFORMATION

EV SITE ADDRESS:
 45 ORANGETOWN RD
 ORANGETOWN, NY 10962

PROPERTY OWNER:
 URSTADT BIDDLE ORANGETOWN, LLC

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

POWER COMPANY:
 ORANGE AND ROCKLAND UTILITIES
 ESCOBAR.J@ORU.COM
 P: 845-577-3290
 JONATHAN ESCOBAR

COUNTY:
 ROCKLAND COUNTY

LATITUDE (NAD83):
 41°02'44.9"N

LONGITUDE (NAD83):
 73°57'10.5"W

CONTACT ENGINEER:
 KIMLEY-HORN OF NEW YORK, P.C.
 MIKE.JUNGHANS@KIMLEY-HORN.COM
 P: 914-26-5257
 MIKE JUNGHANS, P.E.

BENCHMARK & BASIS OF BEARING

BENCHMARK: TBM #1, CUT SQUARE ON TOP OF CURB. ELEVATION: 174.06' (NAVD 88)

BASIS OF BEARINGS: GRID NORTH, STATE PLANE COORDINATE SYSTEM, NAD83, NEW YORK EAST 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 ORANGETOWN
ZONING CLASS: CS - COMMUNITY SHOPPING

FLOOD HAZARD AREA NOTE

THIS SITE IS LOCATED IN FLOOD ZONE "X" PER FEMA FLOOD MAP FIRM 36087C 0187G EFFECTIVE DATE 03/03/14.

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 ENGINEERING 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
- INSTALL (1) LIGHT POLE AND BASE FIXTURE (LITHONIA KAX1 LED P1 50K LUMINAIRE)

DRAWING INDEX

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FOR REFERENCE ONLY DRAWINGS

PROPERTY SURVEY
 STAGING PLAN

CALL BEFORE YOU DIG

UNDERGROUND SERVICE ALERT
 DIG SAFELY NEW YORK
 811 OR 1-800-962-7962
 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

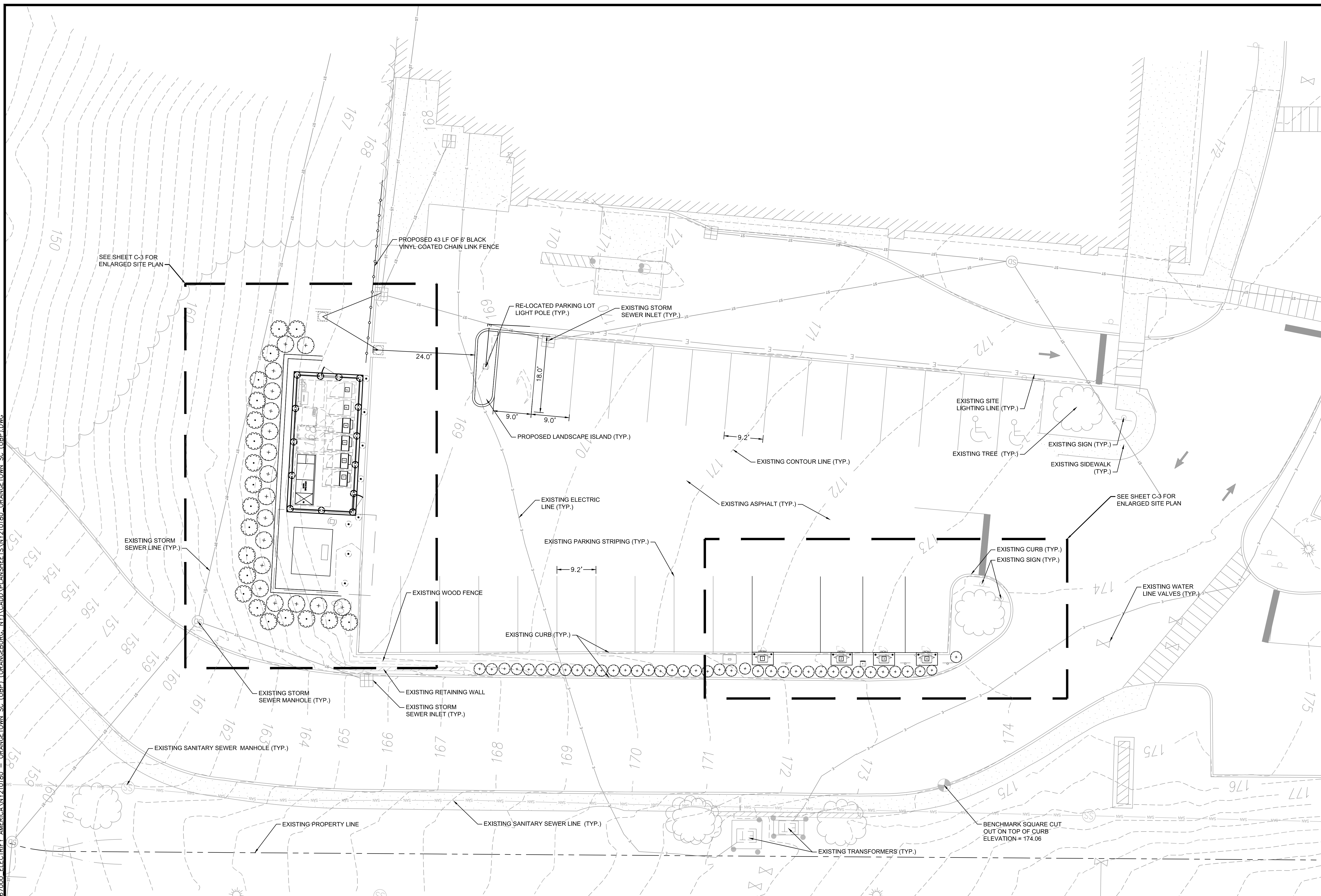
DO NOT SCALE DRAWINGS

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

MICHAEL W. JUNGHANS
 PE NUMBER: 072072
 KIMLEY-HORN OF NEW YORK, P.C.

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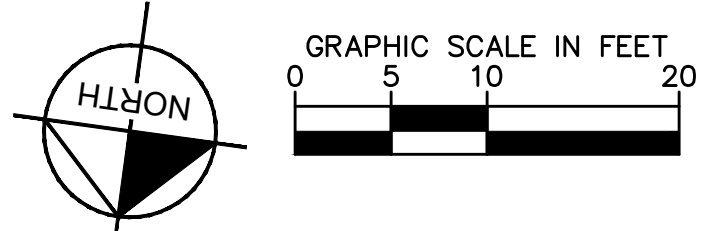
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SHEET DESCRIPTION:
OVERALL SITE PLAN

Project #:	210180
File:	CONSTRUCTION DOCUMENTS
Drawn by:	MDP
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OVERALL SITE 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.
- 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.
- MAINTAIN AT LEAST 6 FEET OF CLEARANCE BETWEEN DRYWELLS. ALLOW FOR 3 FEET OF GRAVEL SURROUNDING RIM OF DRYWELLS.
- A CHAINLINK FENCE FROM THE PROPOSED EQUIPMENT ENCLOSURE TO THE EXISTING CVS CANNOT BE CONSTRUCTED DUE TO SNOW REMOVAL.

PROJECT AREA STALL COUNT	
EXISTING STALL COUNT	5
PROPOSED STALL COUNT	5
APPROVED STALL COUNT	11

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

GRADING LEGEND	
ME	MATCH EXISTING
TW	GRADE AT TOP OF WALL
TW/ME	TOP OF WALL / MATCH EXISTING
BW	GRADE AT BOTTOM OF WALL
FL	FLOW LINE
CONC	CONCRETE
TC/ME	TOP OF CURB/ MATCH EXISTING
HP	HIGH POINT
G	GRADE

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	
(Symbol)	TYPE C HEADER CURB

DRYWELL NOTES AND CALCULATIONS

- ACCORDING TO NYSDEC SWDM, FIGURE 4.4, THE 24-HOUR RAINFALL DEPTH FOR THE 100-YEAR STORM IS 9 INCHES OR 0.75 FT.
- REQUIRED DRYWELL STORAGE = 525 CF
INCREASED IMPERVIOUS AREA X RAINFALL DEPTH
700 SF X 0.75 FT = 525 CF
- PROVIDED DRYWELL STORAGE = 588 CF
AREA = $(\pi \times D^2) / 4 = (\pi \times 7.33^2) / 4 = 42$ SF
42 SF X 7 FT DEEP = 294 CF
294 CF X 2 DRYWELLS = 588 CF
- REFERENCE SHEET D-5 FOR DRYWELL DETAIL.

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

TOTAL PARKING COUNT OF ENTIRE PARKING LOT	
REQUIRED	488
APPROVED BY ZBA	376
PROPOSED	376
ADA STALLS REQUIRED	8
ADA STALLS PROVIDED	9

*REQUIRED COUNT BASED PER ZBA #16-79

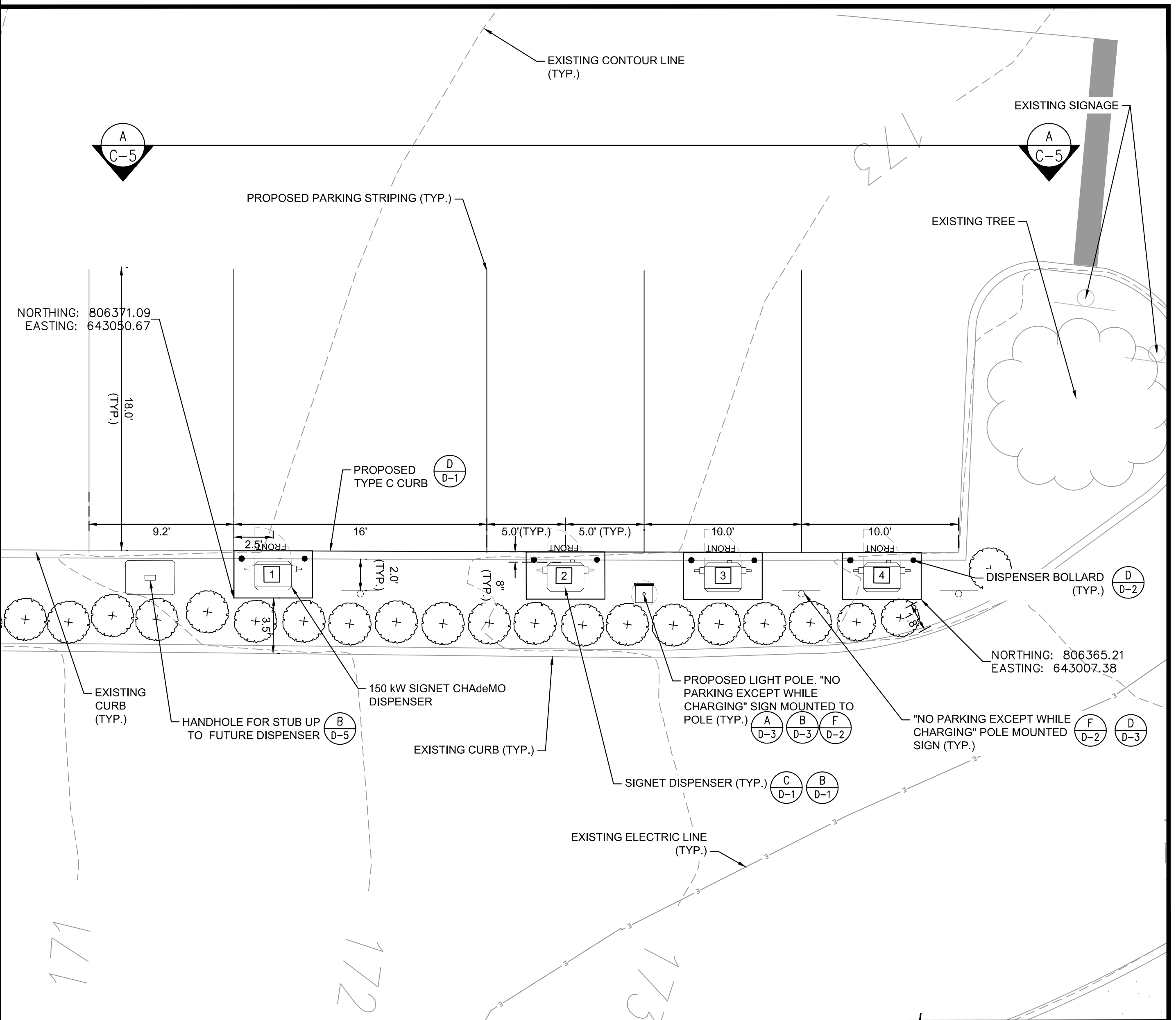
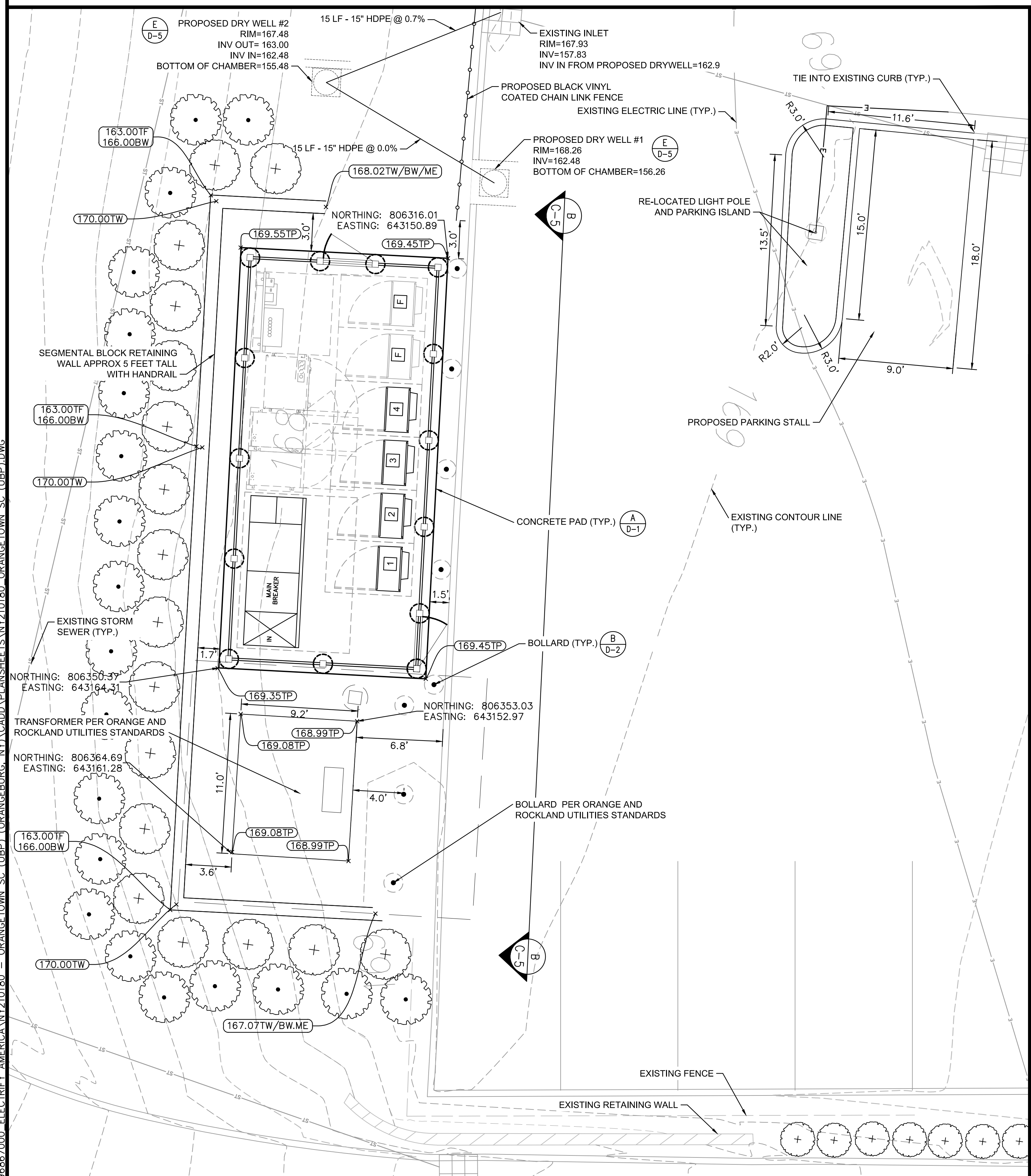


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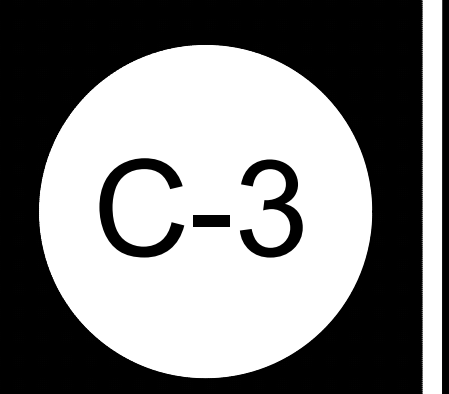
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ENLARGED SITE PLAN

PROJECT TYPE: METRO
EA EQUIPMENT: SIGNET
EA BATTERY STG: REQUIRED 10/2019
LOCAL UTILITY: ORANGE AND ROCKLAND UTILITIES



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**electrify
america**

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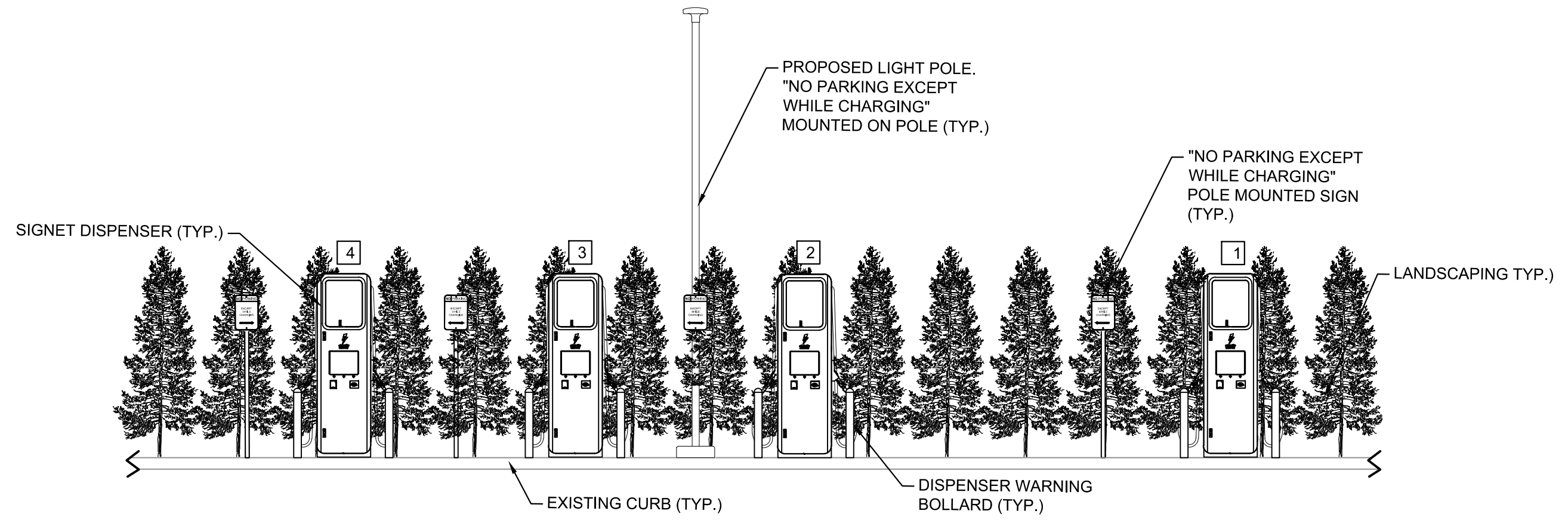
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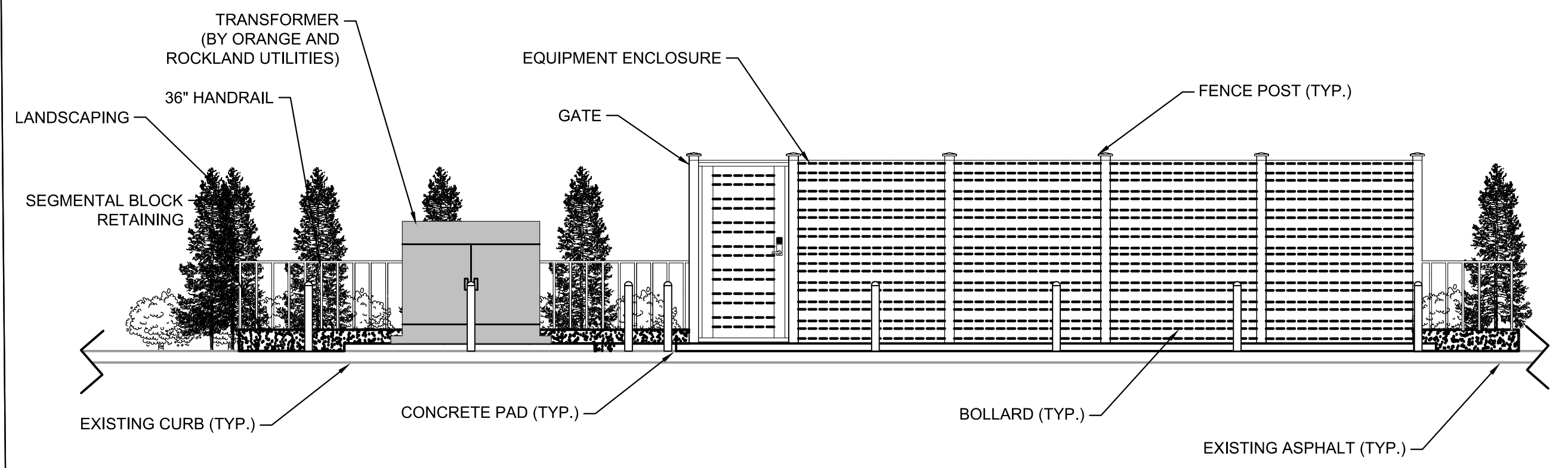
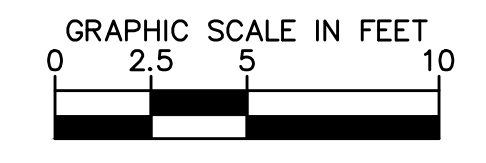


SHEET DESCRIPTION:
SITE ELEVATION

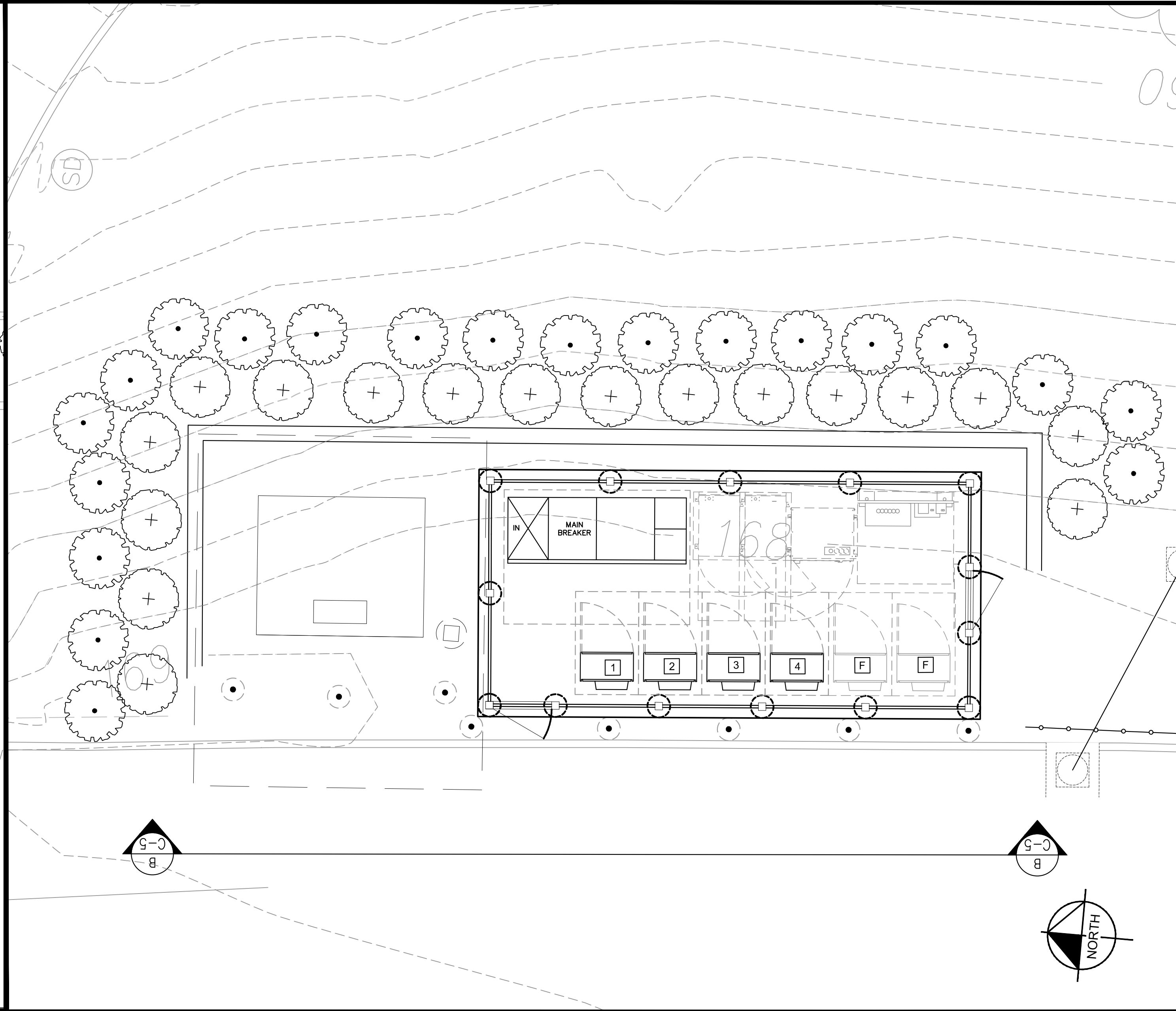
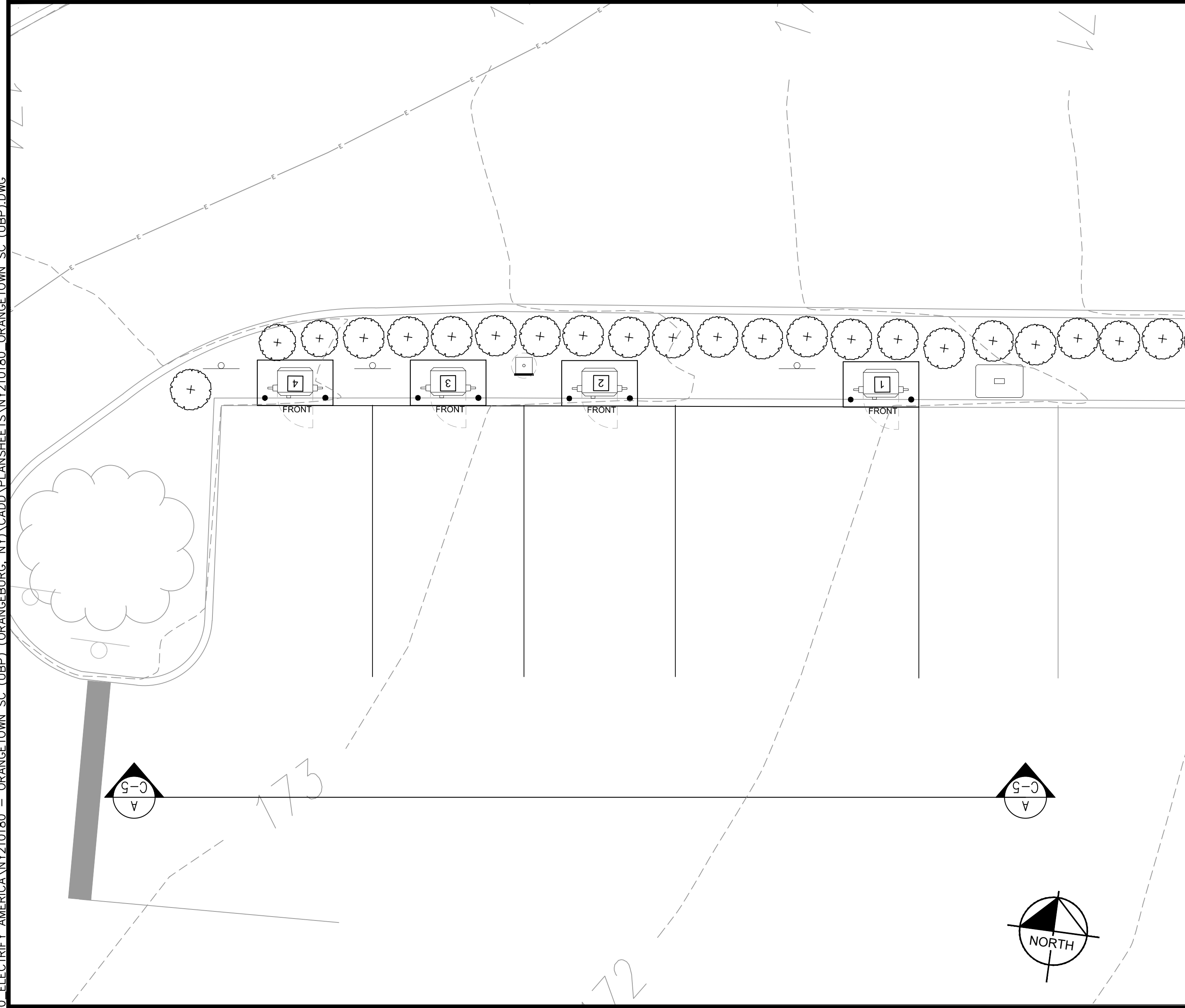
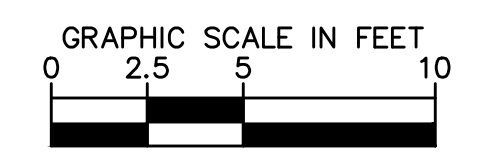
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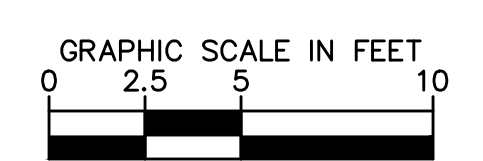
A SITE ELEVATION - PARKING STALLS



B SITE ELEVATION - EQUIPMENT ENCLOSURE/TRANSFORMER



PLAN INSET FOR REFERENCE ONLY



C-5

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PLANTING SCHEDULE						
QUANTITY	CODE	BOTANICAL NAME	COMMON NAME	SIZE AT PLANTING	SPACING	CONT.
56	TO	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	8'-0" HEIGHT MIN.; 3'-0" SPREAD MIN.	SEE PLAN	B&B
20	RDV	RHODODENDRON 'DELAWARE VALLEY WHITE'	DELAWARE VALLEY RHODODENDRON	3'-0" HEIGHT MIN.; 3'-0" SPREAD MIN.	SEE PLAN	B&B



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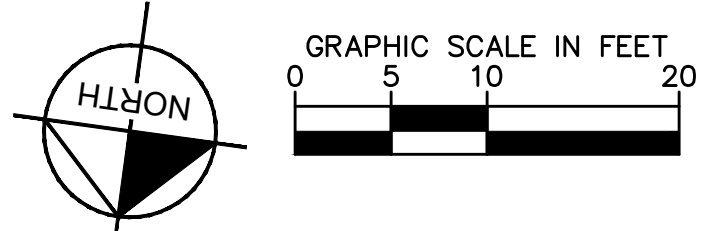
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LANDSCAPE PLAN

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A
LS-1
LANDSCAPE PLAN



LS-1

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