



**TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS**

PROJECT NAME: SOUTH PLANK HOLDINGS, LLC AMENDED SITE PLAN/ EV CHARGING
PROJECT NO.: 25-20
PROJECT LOCATION: 209 S. PLANK ROAD - SECTION 60, BLOCK 3, LOT 2
REVIEW DATE: 12 SEPTEMBER 2025
MEETING DATE: 18 SEPTEMBER 2025
PROJECT REPRESENTATIVE: STEPHEN GIANNONA, PE / NICHOLAS GASPARO

1. Adjoiners' notices have been circulated for the project.
2. The project is located on a State Highway and must be referred to County.
3. Project previously was thought to require a variance for the canopy however, ZBA research identifies that the canopy has previously received variances from the ZBA.

Respectfully submitted,

MHE Engineering, D.P.C.

A handwritten signature in black ink, appearing to read 'Patrick J. Hines'.

Patrick J. Hines
Principal

PJH/kmm

A handwritten signature in black ink, appearing to read 'Michael W. Weeks'.

Michael W. Weeks, P.E.
Principal

NEW YORK OFFICE

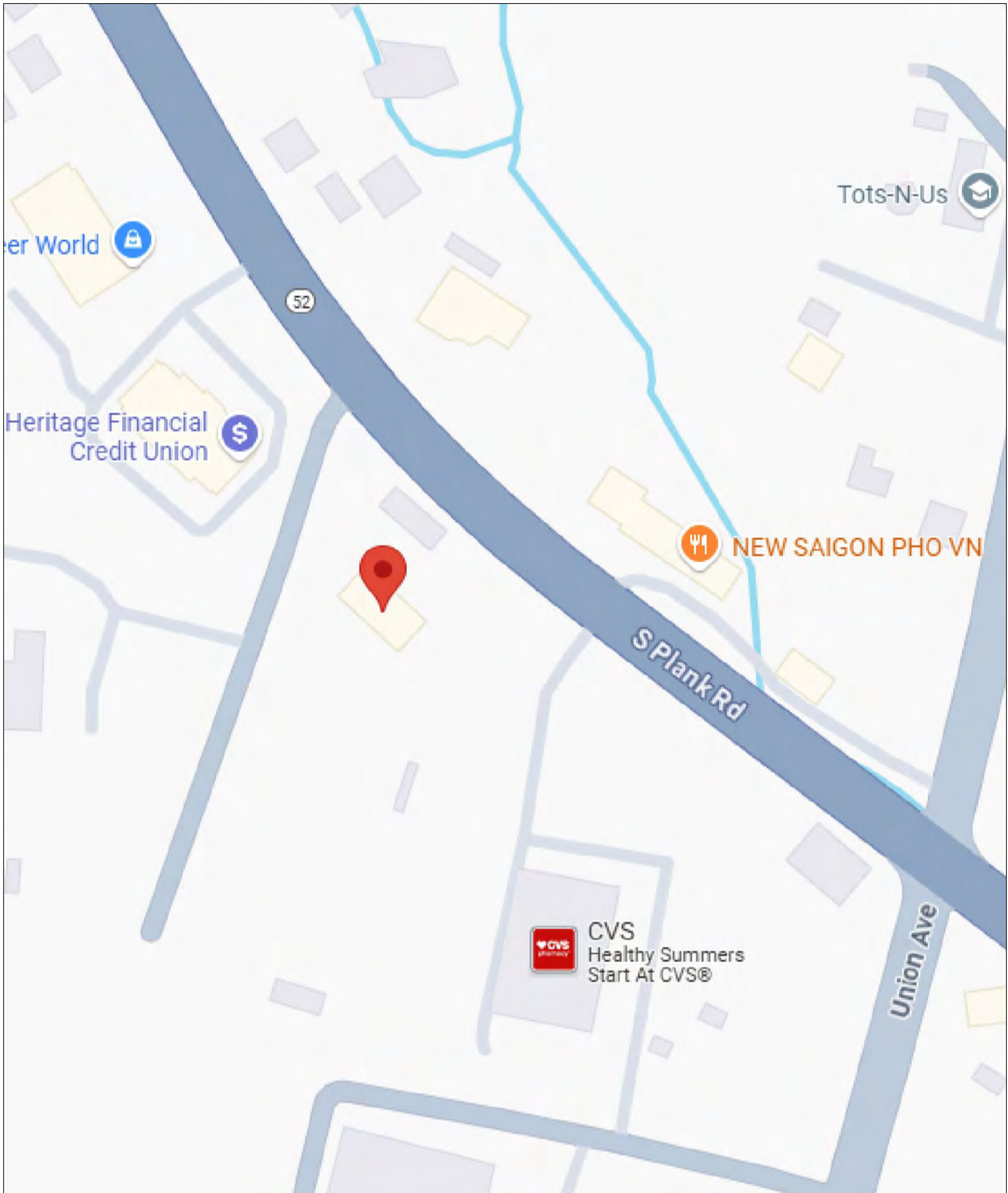
33 Airport Center Drive, Suite 202, New Windsor, NY 12553
845-567-3100 | F: 845-567-3232 | mheny@mhepc.com

PENNSYLVANIA OFFICE

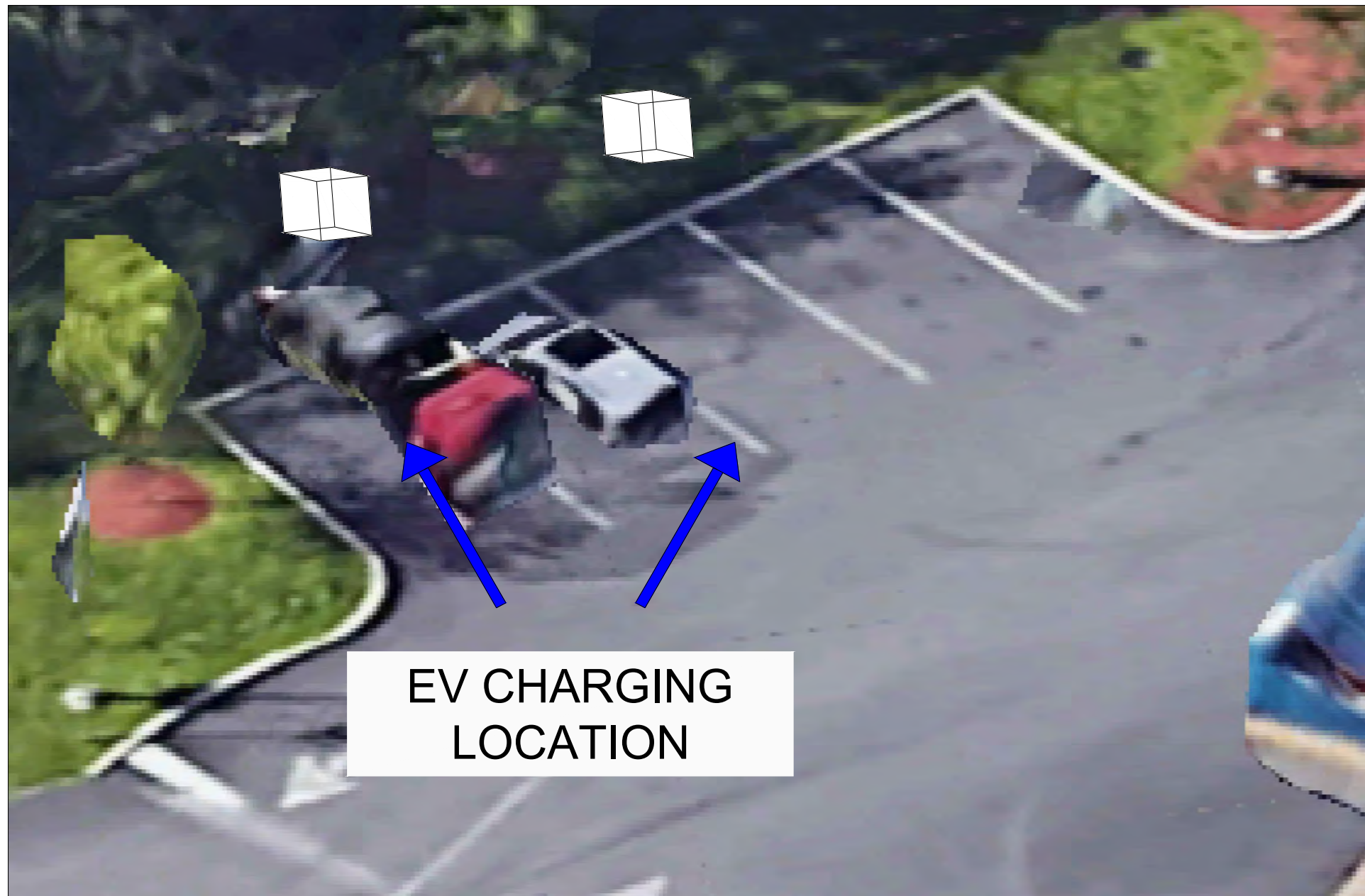
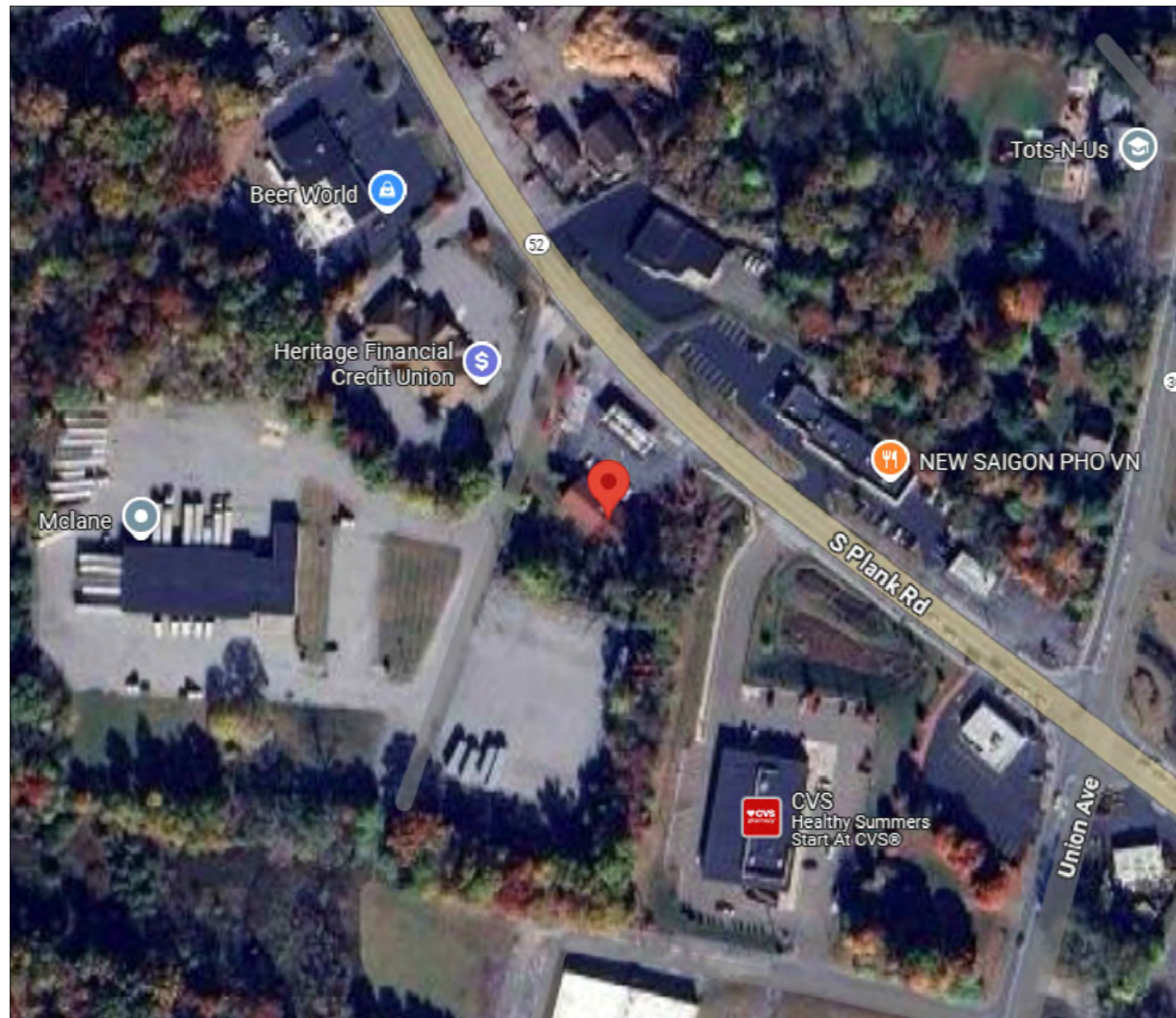
111 Wheatfield Drive, Suite 1, Milford, PA 18337
570-296-2765 | F: 570-296-2767 | mhepa@mhepc.com

Woodhollow Contracting Corp.

INSTALLATION OF ELECTRIC VEHICLE CHARGING EQUIPMENT
209 S PLANK RD,
NEWBURGH, NY 12550



PROJECT DESCRIPTION	
INSTALL CONDUITS AND ELECTRICAL WIRING	
INSTALL NEW DUAL PORT DISPENSER	
MOV	
SHEET NUMBER	SHEET NAME
E-100	COVER SHEET
E-200	GENERAL NOTES
E-201	GENERAL NOTES
E-300	EXISTING CONDITIONS SITE PLAN
E-301	PROPOSED SITE PLAN
E-302	ELECTRICAL SITE PLAN
E-400	DEMOLITION PLAN
E-500	ELECTRICAL RISER DIAGRAM
E-600	POWER DISTRIBUTION DIAGRAM
E-700	EV CHARGER DETAILS
E-701	EV CHARGER DETAIL
E-800	DETAILS
E-801	DETAILS
E-802	TRANSFORMER DETAILS
E-803	TRANSFORMER DETAILS
E-804	TRANSFORMER DETAILS
E-900	APROVED SITE PLAN



CLIENT, PROPERTY OR OWNERS INFORMATION		
SOUTH PLANK HOLDINGS, LLC 289 N. PLANK RD SUITE 2 NEWBURGH, NY 12550		
DESIGN CONSULTANT:		
CONTRACTOR OR VENDOR:		
Woodhollow Contracting Corp.		
103 School St, Lindenhurst, NY 11757		
LEGAL NOTES		
<p>"It is a violation of the state education law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."</p> <ul style="list-style-type: none">Any errors and omissions in the drawing are to be checked by the general contractor and relayed to the architect/EDRDo not scale drawingsAll work shall comply with the local building code(s) and with requirements of local AHJ		
KEY PLAN:		
<div></div>		
2.0	07.23.2025	REVISED AS REQUESTED
1.0	06.03.2025	INITIAL DESIGN LAYOUT
REV	DATE	DESCRIPTION
PROJECT NAME		
ELECTRIC VEHICLE CHARGING STATIONS INSTALLATION AT 209 S PLANK RD NEWBURGH, NY 12550		
SHEET TITLE		
E-100 COVER SHEET		
SEAL SIGN AND SEAL	PROJECT NO: 209 S PLANK TAX MAP DATA: 60 - 3 - 2 SCALE: AS NOTED DRAWN BY: KS KSIAREZ@WOODHOLLOWDESIGNS.COM CHECKED BY:	

[illegible]

ELECTRICAL GENERAL NOTES

3. ALL WORK SHALL BE INSTALLED CONCEALED UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS OF FINISHED CONSTRUCTION PRIOR TO FABRICATION AND INSTALLATION OF FIXTURES AND EQUIPMENT.
3. MOUNTING HEIGHTS OF EQUIPMENT AND DEVICES SHALL BE AS INDICATED ON THE DRAWINGS. WHERE MOUNTING HEIGHTS ARE NOT GIVEN ON THE DRAWINGS, UTILIZE THE FOLLOWING MOUNTING HEIGHTS UNLESS OTHERWISE NOTED (ALL DIMENSIONS TO CENTERLINE OF BOX):
 - A. RECEPTACLES (WALL MOUNTED) – 18 A.F.F.
4. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE TO MAKE HIMSELF AWARE OF EXISTING CONDITIONS BEFORE SUBMITTING HIS PRICE.
5. THE MINIMUM RATING OF DISCONNECT SWITCHES SHALL BE EQUAL TO OR GREATER THAN THE RATING OF THE PROTECTIVE DEVICE ON THE SUPPLY SIDE OF THE DISCONNECT SWITCH. ALL RATINGS OF DISCONNECT SWITCHES AND OR FUSES/ OVER-CURRENT DEVICES SHALL BE SIZED IN ACCORDANCE WITH CODE FOR THE LOADS SERVED PER DESIGN DRAWINGS.
6. NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN THE SAME RACEWAY AS LINE VOLTAGE POWER WIRING.
7. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO PROVIDE APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
8. AT ALL EMPTY CONDUITS PROVIDE BUSHINGS AT ENDS AND DRAG WIRES.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE AN ELECTRICAL INSPECTION APPROVAL CERTIFICATE TO OWNER UPON COMPLETION OF WORK.
10. CIRCUIT ASSIGNMENTS FOR, RECEPTACLES, WIRING DEVICES, AND ELECTRICAL EQUIPMENT ARE DESIGNATED BY THE NUMBER SHOWN ADJACENT TO THESE DEVICES / EQUIPMENT. PROVIDE CONDUITS, WIRES AND BOXES REQUIRED TO ENERGIZE THE EQUIPMENT AS SHOWN.
11. CIRCUIT NUMBERS ARE FOR REFERENCE ONLY. CIRCUIT NUMBERS ARE INTENDED TO BE USED FOR QUANTITIES AND FOR DESIGNATING WHAT OUTLETS (FIXTURES, EQUIPMENT, ETC.) WILL BE ON THE SAME CIRCUIT. CONTRACTOR SHALL REARRANGE CIRCUITS PER FIELD CONDITIONS SO THAT LOAD VALUES FOR EACH PHASE DO NOT EXCEED CODE REQUIREMENTS AND TO BALANCE THE LOADS AT THE PANELS PER SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUITS WITH PROPER PHASE SEQUENCES FOR EVERY REQUIRED NEUTRAL WIRE THAT IS SHARED. ELECTRICAL CONTRACTOR SHALL DOCUMENT ALL AFFECTED CIRCUITS, LABEL EACH OUTLET COVER WITH ACTUAL PANEL DESIGNATION AND CIRCUIT NUMBER, AND PROVIDE AS-BUILT PANEL DIRECTORIES AND DRAWINGS PER SPECIFICATIONS.
12. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, LOCAL BUILDING CODE AND BUILDING MANAGEMENT RULES AND REGULATIONS.
13. 3/4" (21MM) SHALL BE THE MINIMUM CONDUIT INSTALLED.

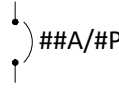
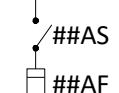
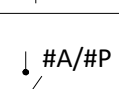
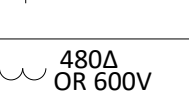
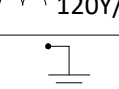
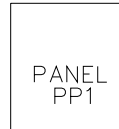
ABBREVIATIONS

A, AMP	AMPERE	EMT	ELECTRICAL METAL TUBING	N	NEUTRAL
ADA	AMERICANS WITH DISABILITIES ACT	FACP	FIRE ALARM CONTROL PANEL	NC	NORMALLY CLOSED
AF	AMPERE FRAME	FBO	FURNISH BY OTHER DIVISION OF WORK	NO	NUMBER
AFF	ABOVE FINISH FLOOR	FCO	FUSE CUTOUT BOX	NTS	NOT TO SCALE
AHJ	AUTHORITY HAVING JURISDICTION	FCS	FIRE COMMAND STATION	OL	OVERLOAD DEVICE
AIC	AMPS INTERRUPTING CAPACITY	FSD	FIRE SMOKE DAMPER	P	POLE
AT	AMPERE TRIP	FU	FUSE	PNL	PANEL
ATS	AUTOMATIC TRANSFER SWITCH	FL	FLOOR	Ø	PHASE
AWG	AMERICAN WIRE GAUGE	FLEX	FLEXIBLE	RA	RETURN AIR
BLDG	BUILDING	FT	FEET OR FOOT	RG, RAG	RETURN AIR GRILLE
BMS	BUILDING MANAGEMENT SYSTEM	GA	GAUGE	SN	SOLID NEUTRAL
C	CONDUIT	G, GRD	GROUND	SPCP	STAIR PRESSURIZATION SYSTEM
CAT	CATALOG	GC	GENERAL CONTRACTOR		CONTROL PANEL
CB	CIRCUIT BREAKER	GFI	GROUND FAULT INTERRUPTER	STP	STAIR PRESSURIZATION
CD	CANDELA	HID	HIGH INTENSITY DISCHARGE	SW	SWITCH
CFSD	COMBINATION FIRE/SMOKE DAMPER	HP	HORSEPOWER	SWBD	SWITCHBOARD
CKT	CIRCUIT	HVAC	HEATING, VENTILATING &	TEL	TELEPHONE
CLG	CEILING		AIR CONDITIONING	TYP	TYPICAL
CO	CONDUIT ONLY	HZ	HERTZ	UON	UNLESS OTHERWISE NOTED
CU	COPPER	IC	INTERRUPTING CAPACITY	UL	UNDERWRITERS LABORATORIES
DACS	DIGITAL ALARM COMMUNICATION SYSTEM	JB	JUNCTION BOX	UV	ULTRAVIOLET
DACT	DIGITAL ALARM COMMUNICATION TERMINAL	LEMCS	LOCAL EMERGENCY CONTROL SYSTEM	VESDA	VERY EARLY SMOKE DETECTION
DGP	DATA GATHERING PANEL	LGT	LIGHTING		APPARATUS
DIFF	DIFFERENTIAL	MCB	MAIN CIRCUIT BREAKER	V	VOLTAGE
DISC	DISCONNECT	MECH	MECHANICAL	VDC	DIRECT CURRENT VOLTAGE
DN	DOWN	MER	MECHANICAL EQUIPMENT ROOM	VFD	VARIABLE FREQUENCY DRIVE
DWG	DRAWING	MIN	MINIMUM	WP	WEATHER PROOF
ELEC	ELECTRICAL	MLO	MAIN LUGS ONLY		
EMR	ELEVATOR MACHINE ROOM	MTD	MOUNTED		

POWER AND SIGNAL DEVICE LEGEND

SYMBOL		DESCRIPTION
		UON, 20A, 125V, 2P, 3W, GROUNDING WALL MOUNTED DUPLEX AND DOUBLE DUPLEX RECEPTABLES, NEMA 5-20R. (COLOR PER ARCHITECT). ALL OUTLETS SHALL BE LABELED WITH ITS SOURCE PANEL AND BREAKER # ID. "WP" - INDICATES WEATHERPROOF (TYP FOR WIRING DEVICES) "C" - INDICATES COUNTER HEIGHT (TYP FOR WIRING DEVICES)
		SHADING FOR DUPLEX OR DOUBLE DUPLEX PER ABOVE INDICATES DEDICATED CIRCUIT
		UON, 20A, 125V, 2P, 3W, GROUNDING WALL MOUNTED DUPLEX AND DOUBLE DUPLEX RECEPTABLES WITH GROUND FAULT CIRCUIT INTERRUPTER, NEMA 5-20R. WEATHER PROOF (COLOR PER ARCHITECT). ALL OUTLETS SHALL BE LABELED WITH ITS SOURCE PANEL AND BREAKER # ID.
		ELECTRICAL JUNCTION BOX FOR HARDWIRED EQUIPMENT.
		(2) INDICATES DOUBLE-GANG BOX. (F) INDICATES FLOOR RECESSED. (CE) INDICATES CEILING RECESSED. (AFC) INDICATES ABOVE FINISHED CEILING, SURFACE MTD.
		SURFACE MOUNTED PANELBOARD - SOLID INDICATES NEW, UNSHADED/DASHED INDICATES EXISTING
		DRY TYPE TRANSFORMER - SIZE AS INDICATED ON THE DRAWINGS
		ELECTRICAL METER OR SUB-METER AS IDENTIFIED ON THE DRAWINGS
1 CKT		ONE, TWO, OR THREE HOME RUNS TO ELECTRICAL PANEL 'PNL' - INDICATED PANEL NAME
2 CKT		'N' - INDICATES CIRCUIT NUMBER, U.O.N.
3 CKT		GROUND BAR

ONE LINE/RISER DIAGRAM LEGEND

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER "##A" - INDICATES AMPERAGE RATING "#P" - INDICATES NUMBER OF POLES
	FUSED DISCONNECT SWITCH "##AS" - INDICATES SWITCH SIZE "##AF" - INDICATES FUSE SIZE
	NON-FUSED DISCONNECT SWITCH "#A" - INDICATES SWITCH SIZE "#P" - INDICATES NUMBER OF POLES
	TRANSFORMER, 480V INDICATES PRIMARY VOLTAGE, 120/208V INDICATES SECONDARY VOLTAGE
	GROUNDING CONNECTION
	PANELBOARD - REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION

CLIENT, PROPERTY OR OWNERS INFORMATION

SOUTH PLANK HOLDINGS, LLC
289 N. PLANK RD SUITE 2
NEWBURGH, NY 12550

DESIGN CONSULTANT:

CONTRACTOR or VENDOR

Woodhollow *Contracting Corp.*

103 School St,
Lindenhurst, NY 11757

LEGAL NOTES

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KEY PLAN

2.0	07.23.2025	REVISED AS REQUESTED
1.0	06.03.2025	INITIAL DESIGN LAYOUT
REV	DATE	DESCRIPTION

PROJECT NAME

ELECTRIC VEHICLE CHARGING STATIONS INSTALLATION AT

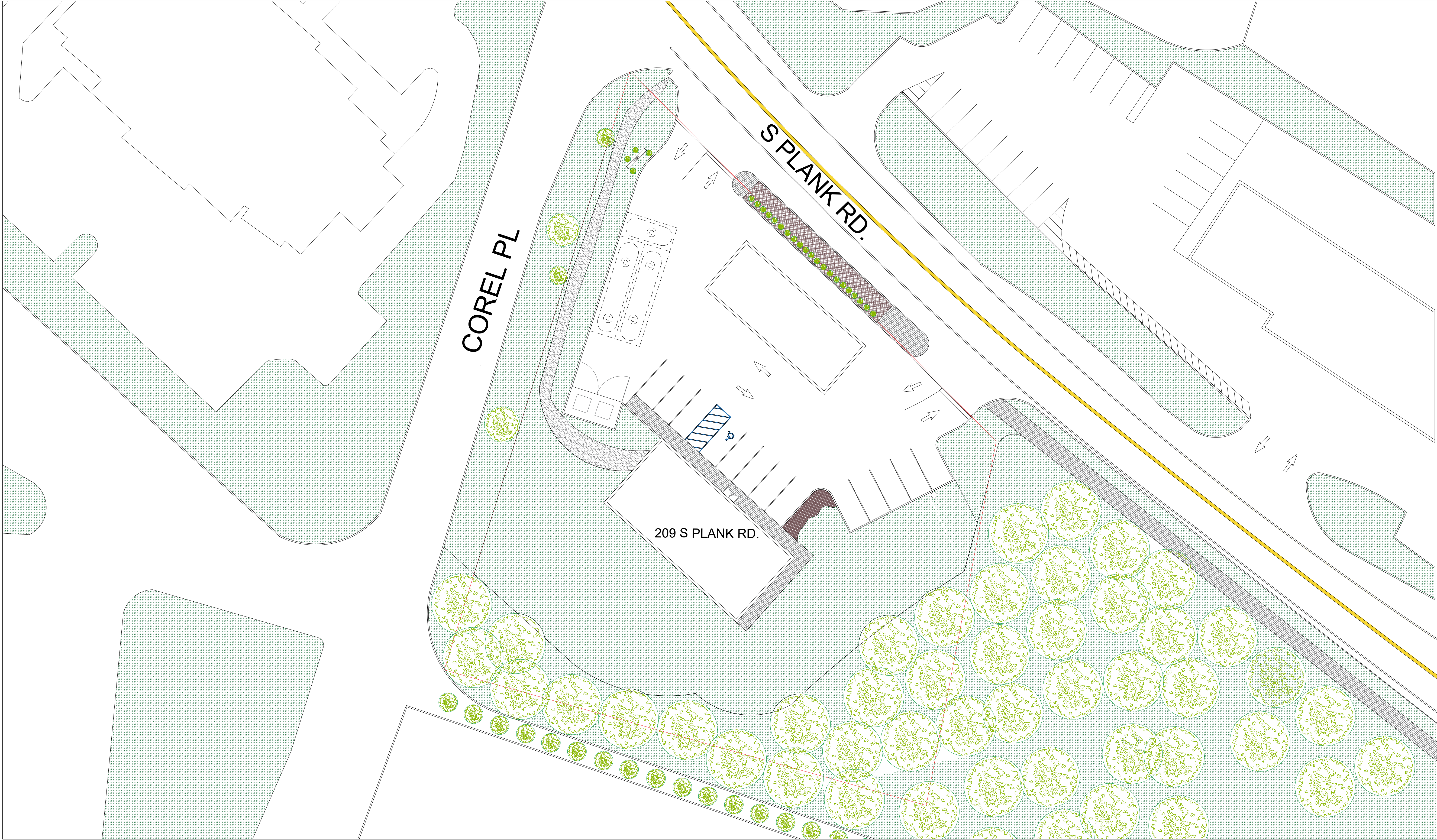
209 S PLANK RD
NEWBURGH, NY 12550

SHEET TITLE

E-201

GENERAL NOTES

SEAL	PROJECT NO: 209 S PLANK
SIGN AND SEAL	TAX MAP DATA: 60 - 3 - 2
	SCALE: AS NOTED
	DRAWN BY: KS
	KSUAREZ@WOODHOLLOWDESIGNS.COM
	CHECKED BY:



PLAN VIEW EXISTING CONDITION
SCALE: 1:250

ZONING TABLE		
ZONING DISTRICT	B (BUSINESS DISTRICT) CONVENIENCE STORE WITH GASOLINE- ALLOWABLE USE SUBJECT TO SITE PLAN REVIEW BY PLANNING BOARD	
ZONE CRITERIA	REQUIRED	EXISTING
MIN. LOT AREA (S.F.)	30,000 SF	37,348 SF
MIN. LOT WIDTH (FT.)	100'	203.78'
MIN. LOT DEPTH (FT.)	125'	147.96'
MIN. FRONT YARD (FT.)	40 FT	10'
MIN. REAR YARD (FT.)	30 FT	77.1'
MIN. 1 SIDE YARD (FT.)	15' (30' BOTH)	17.6'
MIN. BOTH SIDE YARD (FT.)	1	NA
MAX. LOT BLDG COVERAGE (%)	35'	15' ±
MAX. BUILDING HEIGHT (FT.)	50%	6.2%
MIN. PARKING SPACES	80%	33
MAX SIGN AREA (S.F)	2,520 SF/150 = 17	17

CLIENT, PROPERTY OR OWNERS INFORMATION

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PROJECT NAME

ELECTRIC VEHICLE
CHARGING STATIONS
INSTALLATION AT

209 S PLANK RD
NEWBURGH, NY 12550

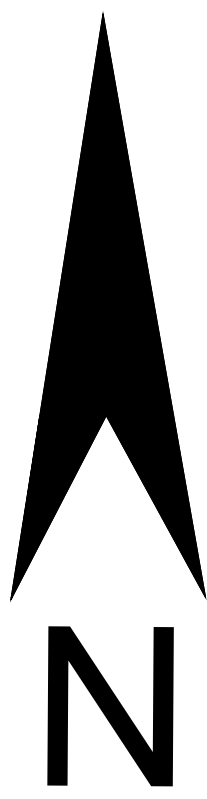
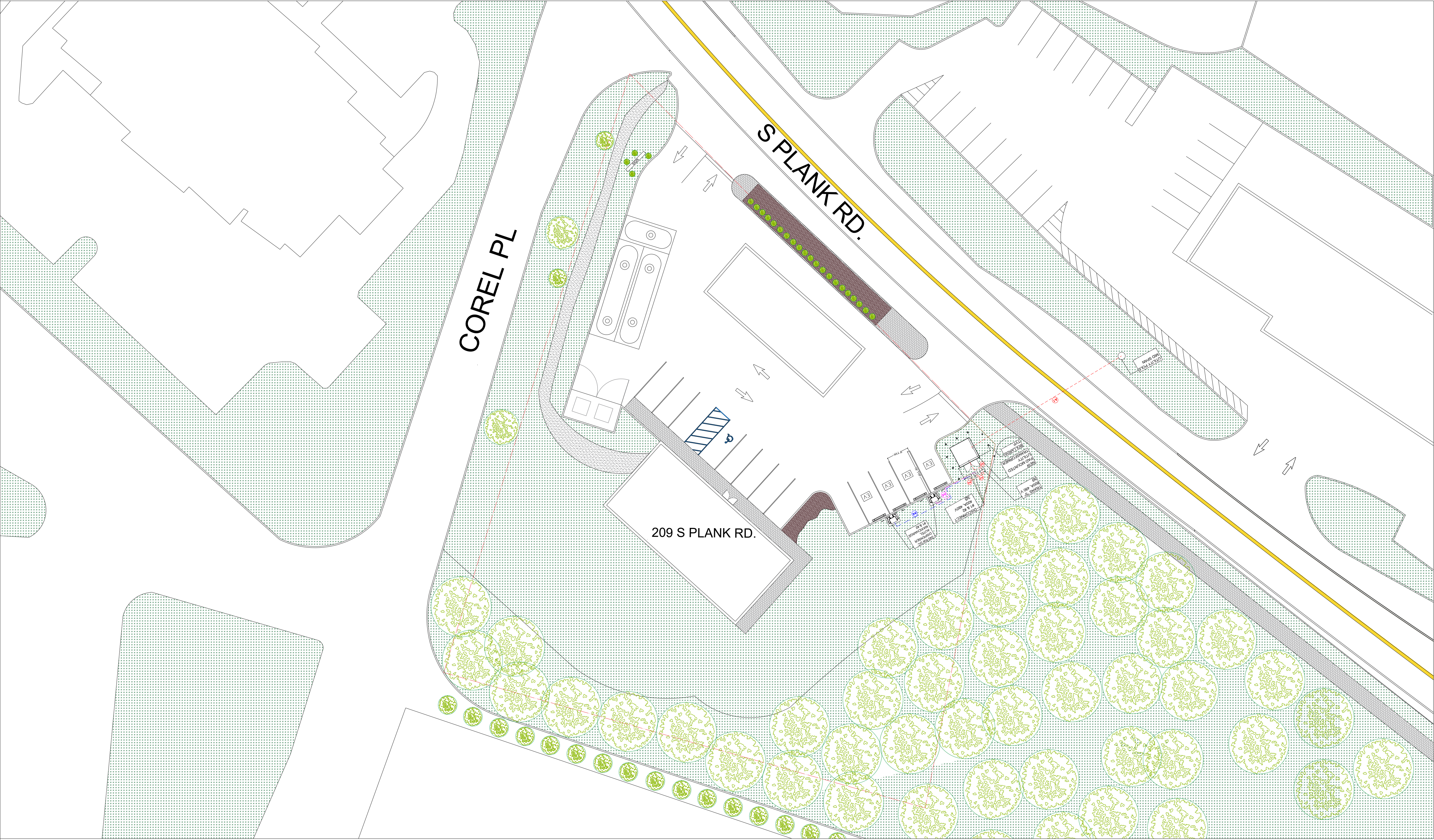
SHEET TITLE

E-300

EXISTING CONDITIONS SITE PLAN

SEAL
SIGN AND SEAL

PROJECT NO: 209 S PLANK
TAX MAP DATA: 60 - 3 - 2
SCALE: AS NOTED
DRAWN BY: KS
KSIUREZ@WOODHOLLOWDESIGNS.COM
CHECKED BY:



PROPOSED SITE PLAN

SCALE: 1:250

ZONING TABLE			
ZONING DISTRICT	B (BUSINESS DISTRICT) CONVENIENCE STORE WITH GASOLINE-ALLOWABLE USE SUBJECT TO SITE PLAN REVIEW BY PLANNING BOARD		
ZONE CRITERIA	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA	30,000 SF	37,348 SF	UNCHANGED
MINIMUM LOT WIDTH	100'	203.78'	UNCHANGED
MINIMUM LOT DEPTH	125'	147.96'	UNCHANGED
MIN. FRONT STBK.	40 FT	10'	UNCHANGED
MIN. REAR YARD	30 FT	77.1'	UNCHANGED
MIN. SIDE YARD	15' (30' BOTH)	17.6'	UNCHANGED
LOAD ZONE	1	NA	UNCHANGED
MAX. BUILDING HEIGHT	35'	15' ±	UNCHANGED
MAX. BUILDING LOT COVERAGE	50%	6.2%	UNCHANGED
MAX. SURFACE LOT COVERAGE	80%	33	UNCHANGED
PARKING REQUIREMENTS (RETAIL) SPACE PER 150 SF OF GROSS FLOOR AREA	2,520 SF/150 = 17	17	UNCHANGED

CLIENT, PROPERTY OR OWNERS INFORMATION

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NEWBURGH, NY 12550

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PROJECT NAME

ELECTRIC VEHICLE
CHARGING STATIONS
INSTALLATION AT

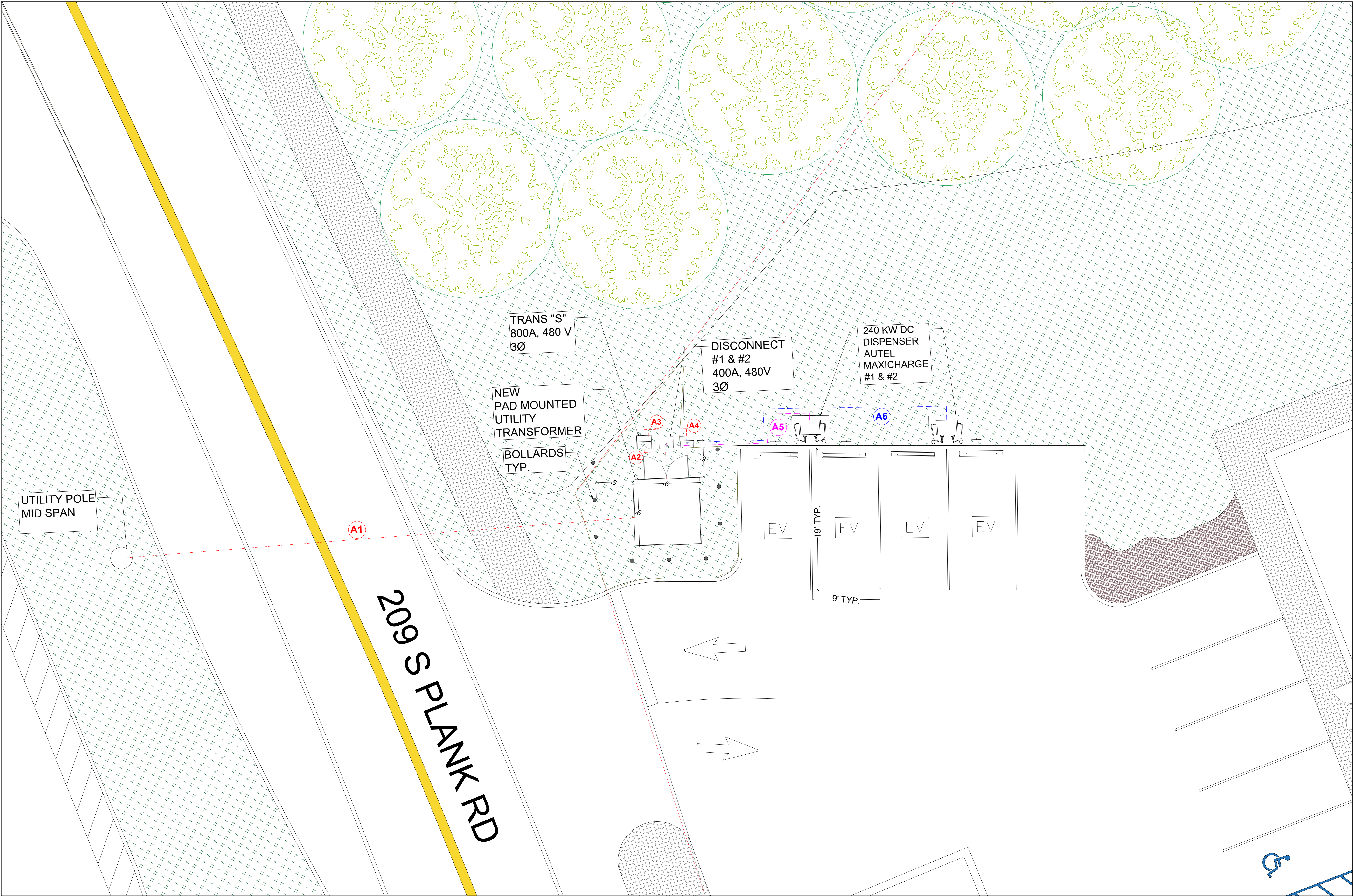
209 S PLANK RD
NEWBURGH, NY 12550

SHEET TITLE

E-301
PROPOSED SITE PLAN

SEAL
SIGN AND SEAL

PROJECT NO: 209 S PLANK
TAX MAP DATA: 60 - 3 - 2
SCALE: AS NOTED
DRAWN BY: KS
KSIUREZ@WOODHOLLOWDESIGNS.COM
CHECKED BY:



ELECTRICAL SITE PLAN
SCALE: 1:75

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NEWBURGH, NY 12550

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CHARGING STATIONS
INSTALLATION AT

209 S PLANK RD
NEWBURGH, NY 12550

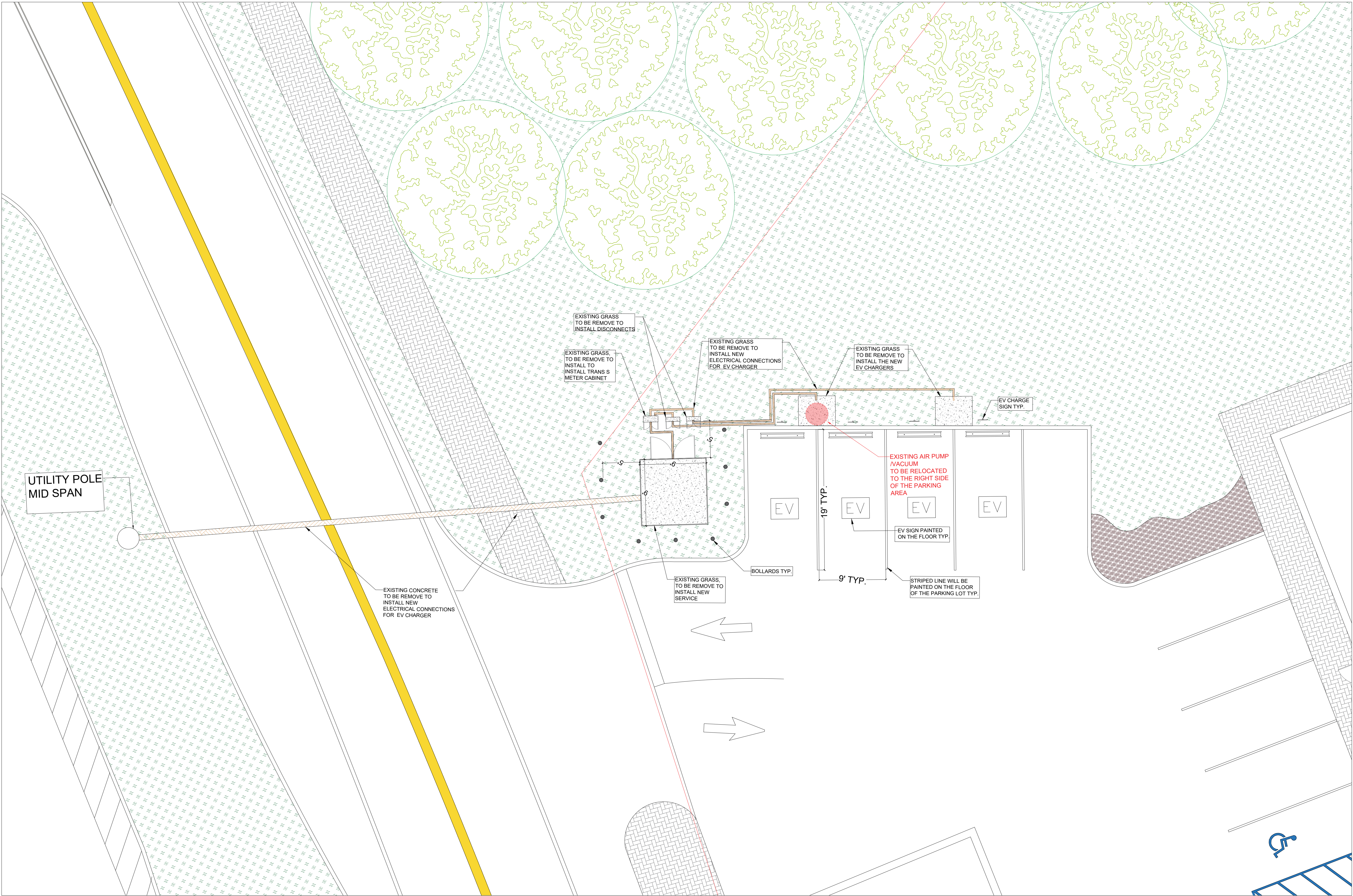
SHEET TITLE

E-302

ELECTRICAL SITE PLAN

SEAL
SIGN AND SEAL

PROJECT NO: 209 S PLANK
TAX MAP DATA: 60 - 3 - 2
SCALE: AS NOTED
DRAWN BY: KS
KSHUREZ@WOODHOLLOWDESIGNS.COM
CHECKED BY:



DEMOLITION PLAN
SCALE: 1:75

CLIENT, PROPERTY OR OWNERS INFORMATION

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289 N. PLANK RD SUITE 2
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PROJECT NAME

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CHARGING STATIONS
INSTALLATION AT

209 S PLANK RD
NEWBURGH, NY 12550

SHEET TITLE

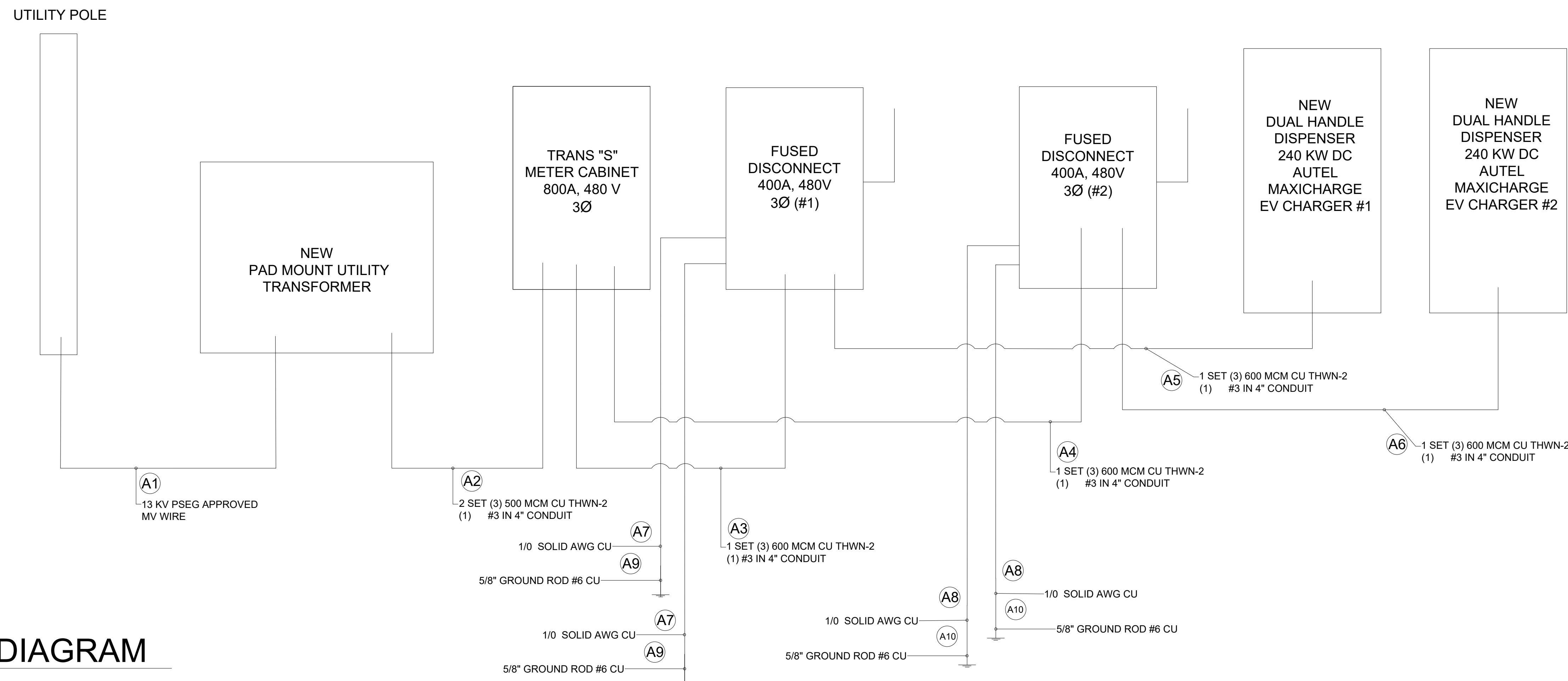
E-400

DEMOLITION PLAN

SEAL
SIGN AND SEAL

PROJECT NO: 209 S PLANK
TAX MAP DATA: 60 - 3 - 2
SCALE: AS NOTED
DRAWN BY: KS
KSHUREZ@WOODHOLLOWDESIGNS.COM
CHECKED BY:

CONDUIT A WIRE SCHEDULE			
	FROM	TO	CONFIGURATION
A1	NEW UTILITY POLE	NEW PAD MOUNT UTILITY TRANSFORMER	13 KV PSEG APPROVED MV WIRE
A2	NEW PAD MOUNT UTILITY TRANSFORMER	TRANS "S" METER CABINET 800A, 480 V 3Ø	2 SET (3) 500 MCM CU THWN-2 (1) #3 IN 4" CONDUIT
A3	TRANS "S" METER CABINET 800A, 480 V 3Ø	FUSED DISCONNECT 800A, 480V 3Ø (#1)	1 SET (3) 600 MCM CU THWN-2 (1) #3 IN 4" CONDUIT
A4	TRANS "S" METER CABINET 800A, 480 V 3Ø	FUSED DISCONNECT 400A, 480V 3Ø (#2)	1 SET (3) 600 MCM CU THWN-2 (1) #3 IN 4" CONDUIT
A5	FUSED DISCONNECT 400A, 480V 3Ø (#1)	NEW DUAL HANDLE DISPENSER 240 KW DC AUTEL MAXICHARGE EV CHARGER #1	1 SET (3) 600 MCM CU THWN-2 (1) #3 IN 4" CONDUIT
A6	FUSED DISCONNECT 400A, 480V 3Ø (#2)	NEW DUAL HANDLE DISPENSER 240 KW DC AUTEL MAXICHARGE EV CHARGER #2	1 SET (3) 600 MCM CU THWN-2 (1) #3 IN 4" CONDUIT
A7	FUSED DISCONNECT 400A, 480V 3Ø (#1)	GROUNDING SERVICE CONDUCTOR	(2) 1/0 SOLID AWG CU
A8	FUSED DISCONNECT 400A, 480V 3Ø (#2)	GROUNDING SERVICE CONDUCTOR	(2) 1/0 SOLID AWG CU
A9	FUSED DISCONNECT 400A, 480V 3Ø (#1)	GROUNDING SERVICE ELECTRODE	(2) 5/8" GROUND ROD #6 CU
A10	FUSED DISCONNECT 400A, 480V 3Ø (#2)	GROUNDING SERVICE ELECTRODE	(2) 5/8" GROUND ROD #6 CU



CLIENT, PROPERTY OR OWNERS INFORMATION

SOUTH PLANK HOLDINGS, LLC
289 N. PLANK RD SUITE 2
NEWBURGH, NY 12550

DESIGN CONSULTANT:

CONTRACTOR or VENDOR:

Woodhollow
Contracting Corp.

103 School St,
Lindenhurst, NY 11757

LEGAL NOTES:

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KEY PLAN:

2.0	07.23.2025	REVISED AS REQUESTED
1.0	06.03.2025	INITIAL DESIGN LAYOUT
REV	DATE	DESCRIPTION

PROJECT NAME

ELECTRIC VEHICLE CHARGING STATIONS INSTALLATION AT

209 S PLANK RD
NEWBURGH, NY 12550

	SHEET TITLE
--	-------------

E-500

ELECTRICAL RISER DIAGRAM

SEAL	PROJECT NO: 209 S PLANK
SIGN AND SEAL	TAX MAP DATA: 60 - 3 - 2
	SCALE: AS NOTED
	DRAWN BY: KS
	KSUAREZ@WOODHOLLOWDESIGNS.COM
	CHECKED BY:

CONDUIT ELEVATION - POWER DISTRIBUTION, POWER UNIT, DISPENSER (FOR REFERENCE ONLY)

NOTES

1. CONDUITS SHALL BE BURIED BELOW FROST LINE AND IN COMPLIANCE WITH LOCAL NATIONAL CODE REQUIREMENTS

2. REFER TO CONDUIT AND WIRE SCHEDULE ON E-700 FOR CONDUIT AND WIRE REQUIREMENTS

3. INSTALL DOTTIE DUCT SEAL COMPOUND UNDER REQUIREMENTS

4. REFER TO SHEET E-700 FOR ELECTRICAL INFORMATION.

TYPICAL NON-UTILITY CONDUIT UNDER SOIL TRENCH

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-700 , EXACT CONDUIT PLACEMENT IN TRENCH SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON PHYSICAL MEASUREMENTS AND JURISDICTIONAL REQUIREMENTS.

TYPICAL NON-UTILITY CONDUIT UNDER ASPHALT TRENCH

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-700 , EXACT CONDUIT PLACEMENT IN TRENCH SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON PHYSICAL MEASUREMENTS AND JURISDICTIONAL REQUIREMENTS.

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REV	DATE	DESCRIPTION

PROJECT NAME

ELECTRIC VEHICLE

CHARGING STATIONS

INSTALLATION AT

209 S PLANK RD
NEWBURGH, NY 12550

SHEET TITLE

E-600

POWER DISTRIBUTION DIAGRAM

SEAL

SIGN AND SEAL

PROJECT NO: 209 S PLANK

TAX MAP DATA: 60 - 3 - 2

SCALE: AS NOTED

DRAWN BY: KS

CHECKED BY: KS

PROJECT NO: 209 S PLANK
TAX MAP DATA: 60 - 3 - 2
SCALE: AS NOTED
DRAWN BY: KS
KSUAREZ@WOODHOLLOWDESIGNS.COM
CHECKED BY:

AUTEL MAXI CHARGER

DC FAST 60 KW- 240 KW

SPECIFICATIONS



CHARGER INFO

PRODUCT DESCRIPTION	PART NUMBER	PRODUCT (L x W x H)	PACKAGING (L x W x H)	PACKAGING	ENCLOSURE	NO. OF POWER MODULES (PM)	PM 35.5 PER	ENCLOSURE W/PM	ENCLOSURE W/PACKAGING
60kW UL Dual Port DC AIO	UF060A4001	32.3 × 29.5 × 74.8	47.2 × 40.2 × 84.6	110.2	1036±22	3	105.9	1142.9±22	1146.4±22
80kW UL Dual Port DC AIO	UF080A4001	32.3 × 29.5 × 74.8	47.2 × 40.2 × 84.6	110.2	1036±22	4	141.2	1177.2±22	1146.4±22
100kW UL Dual Port DC AIO	UF100A4001	32.3 × 29.5 × 74.8	47.2 × 40.2 × 84.6	110.2	1036±22	5	176.5	1212.5±22	1146.4±22
120kW UL Dual Port DC AIO	UF120A4001	32.3 × 29.5 × 74.8	47.2 × 40.2 × 84.6	110.2	1036±22	6	211.8	1247.8±22	1146.4±22
140kW UL Dual Port DC AIO	UF140A4001	32.3 × 29.5 × 74.8	47.2 × 40.2 × 84.6	110.2	1036±22	7	247.1	1283.1±22	1146.4±22
160kW UL Dual Port DC AIO	UF160A4001	32.3 × 29.5 × 74.8	47.2 × 40.2 × 84.6	110.2	1036±22	8	282.4	1318.4±22	1146.4±22
180kW UL Dual Port DC AIO	UF180A4001	32.3 × 29.5 × 74.8	47.2 × 40.2 × 84.6	110.2	1036±22	9	317.7	1353.7±22	1146.4±22
200kW UL Dual Port DC AIO	UF200A4001	32.3 × 29.5 × 74.8	47.2 × 40.2 × 84.6	110.2	1036±22	10	353	1389±22	1146.4±22
220kW UL Dual Port DC AIO	UF220A4001	32.3 × 29.5 × 74.8	47.2 × 40.2 × 84.6	110.2	1036±22	11	388.3	1424.3±22	1146.4±22
240kW UL Dual Port DC AIO	UF240A4001	32.3 × 29.5 × 74.8	47.2 × 40.2 × 84.6	110.2	1036±22	12	423.6	1459.6±22	1146.4±22
60kW UL Dual Port DC AIO (S)	UF060A3001	32.3 × 25.6 × 74.8	47.2 × 40.2 × 84.6	110.2	926±22	3	105.9	1031.9±22	1036.2±22
80kW UL Dual Port DC AIO (S)	UF080A3001	32.3 × 25.6 × 74.8	47.2 × 40.2 × 84.6	110.2	926±22	4	141.2	1067.2±22	1036.2±22
100kW UL Dual Port DC AIO (S)	UF100A3001	32.3 × 25.6 × 74.8	47.2 × 40.2 × 84.6	110.2	926±22	5	176.5	1102.5±22	1036.2±22
120kW UL Dual Port DC AIO (S)	UF120A3001	32.3 × 25.6 × 74.8	47.2 × 40.2 × 84.6	110.2	926±22	6	211.8	1137.8±22	1036.2±22

SPECIFICATIONS

MAXI CHARGER DC FAST 60 KW- 240 KW WITH 20KW INCREMENTS

PART NUMBERS

DCFC 60KW -120 KW	DCFC 140 KW- 240 KW
60kW: UF060xxxxx; 80kW: UF080xxxxx; 100kW: UF100xxxxx; 120kW: UF120xxxxx	140kW: UF140xxxxx; 160kW: UF160xxxxx; 180kW: UF180xxxxx; 200kW: UF200xxxxx; 220kW: UF220xxxxx; 240kW: UF240xxxxx
The "xxxxx" portion of the product part number represents the various product configurations.	

ELECTRICAL

CONNECTOR OPTION*	Dual CCS1, or CCS1 + CHAdeMO	Dual CCS1/CCS1 Boost, or CCS1 + CHAdeMO
MAX. INPUT AC CURRENT	60kW: 91A; 80kW: 120A; 100kW: 148A; 120kW: 177A	140kW: 206A; 160k W: 234A; 180k W: 263A; 200 k W: 292A; 220 k W: 321A; 240 k W: 349A
NOMINAL INPUT AC CURRENT	60k W: 83A; 80k W: 110A; 100k W: 138A; 120k W: 165A	140k W: 181A; 160k W: 207A; 180k W: 230A; 200 k W: 260A; 220 k W: 285A; 240 k W: 310A
INPUT VOLTAGE RANGE	480 V AC - 15 % to +10 % @ 60 Hz	
DC OUTPUT VOLTAGE	CCS1: 150 to 950 V DC; CHAdeMO: 150 to 500 V DC	
NETWORK TYPE	TN-S, TN-C, TN-C-S, & TT (External RCD** Required)	
AC INPUT CONNECTION	3P + PE (No Neutral)	
PROTECTION	Over-Current, Over-Voltage, Under-Voltage, Ground-Fault, Over-Temperature, Short-Circuit, Insulation Monitor (IMD), & Surge Protection	
OVERVOLTAGE CATEGORY	AC Side (Input) OVC: III	
POWER FACTOR (50 % LOAD)	≥ 0.98	
THDI (> 50 % LOAD)	≤ 5 %	
PEAK EFFICIENCY	≥ 96 %	
STANDBY POWER	80 W	
SHORT CIRCUIT CURRENT RATING	≥ 65 kA	
ENERGY METERING	Class A	

USER INTERFACE & COMMUNICATION

CONNECTIVITY	Internet Access Via 4G / Wi-Fi / Ethernet (RJ 45)
USER AUTHENTICATION	QR Code, RFID, Credit Card (Optional)
ISO 15118 PLUG & CHARGE	Yes
DIN 70121	Yes
INTERFACE	27" LCD High-Contrast Touchscreen (15.6" Optional)
ACCESSIBLE FOR WHEELCHAIR USERS	Yes
COMMUNICATIONS PROTOCOLS	OCPP 1.6 JSON, OCPP 2.0.1 (Can Be Upgraded Later)
RFID READER	ISO 14443 A+B to Part 4 & ISO/IEC 15693, Mifare, NFC, Calypso, Ultralight, PayPass, HID & More
EMERGENCY BUTTON	Yes
SOFTWARE UPDATE	OTA Update Via Web Portal
CONTROL AND CONFIGURATION	Web Portal, On-Board Service Portal

GENERAL CHARACTERISTICS

PROTECTION RATINGS	NEMA 3R Outdoor Use & IK-10
ENCLOSURE TYPE	Stainless Steel 430
OPERATION ALTITUDE	6561 Ft. (6561 to 9843 Ft. with Power Derating)
OPERATING TEMPERATURE	-31 °F to +131 °F (+122 °F to +131 °F with Linear Power Derating)
STORAGE TEMPERATURE	-40 °F to +158 °F
HUMIDITY	< 95 % RH, Non-Condensing
NOISE LEVEL	< 65 dB @1 m/25 °Full Load/800 VDC
MOUNTING	Free-Standing Cabinet
CABLE LENGTH	15 ft (Optional: 20 or 25 ft)
DIMENSIONS (H X W X D)	76.8 x 32.3 x 23.6 In. (1950 x 820 x 600 mm) 76.8 x 32.3 x 27.6 In. (1950 x 820 x 700 mm)

CERTIFICATIONS & STANDARDS

COMPLIANCE & SAFETY	UL 2202, UL 2231-1, UL 2231-2, NEC Article 625, CSA C22.2 No. 107.1-16
EMC COMPLIANCE	FCC Part 15 Class A, Class B (Optional)
WARRANTY	24 Months with Warranty Extensions Available

- FLEXIBLE POWER MODULE DESIGN

• MULTIPLE CABLE & CHARGING CONNECTOR OPTIONS

• 27-IN TOUCHSCREEN DISPLAY
- SMART CLOUD PORTAL WITH REMOTE DIAGNOSTICS

• DYNAM IOCAD BALANCING

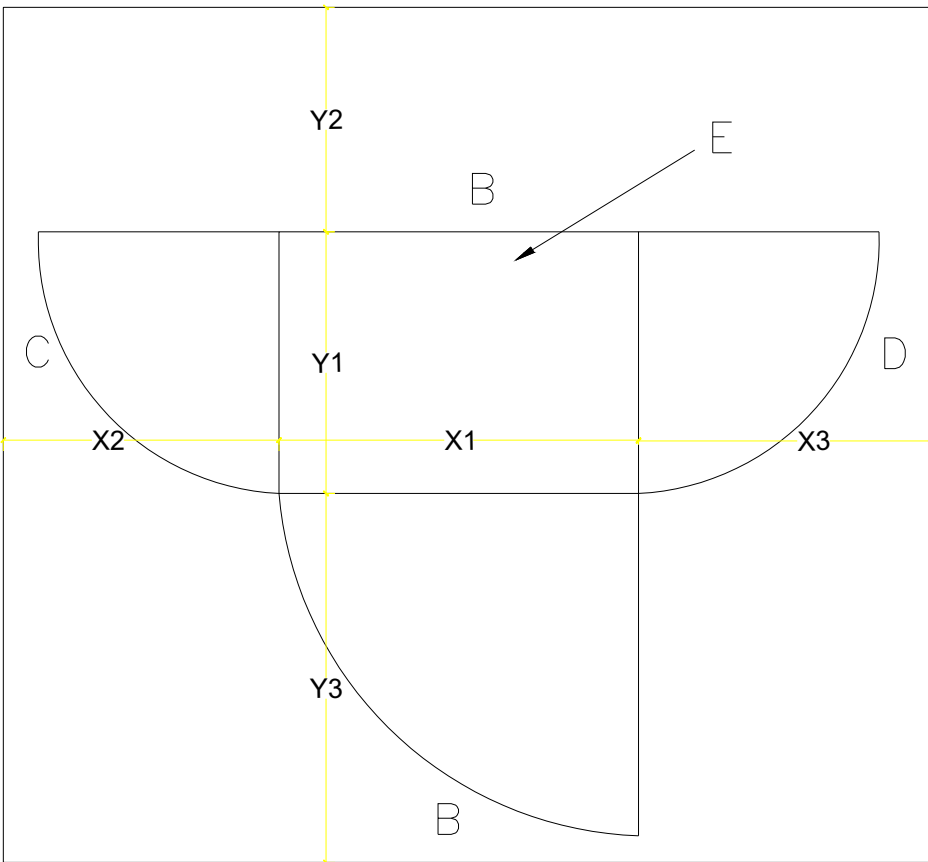
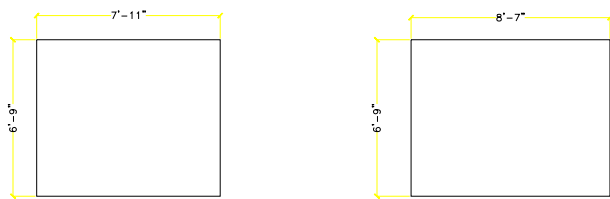
• I1S50118 PLUG & CHARGE

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SOUTH PLANK HOLDINGS, LLC 289 N. PLANK RD SUITE 2 NEWBURGH, NY 12550		
DESIGN CONSULTANT:		
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REV	DATE	DESCRIPTION
PROJECT NAME:		
ELECTRIC VEHICLE CHARGING STATIONS INSTALLATION AT 209 S PLANK RD NEWBURGH, NY 12550		
SHEET TITLE		
E-700		
EV CHARGER DETAIL		
SEAL SIGN AND SEAL	PROJECT NO: 209 S PLANK TAX MAP DATA: 60 - 3 - 2 SCALE: AS NOTED DRAWN BY: KS KSHUREZ@WOODHOLLOWDESIGNS.COM CHECKED BY:	

THE MAXICHARGER REQUIRES AN INSTALLATION SPACE OF 95 X 81 INCHES (2420 X 1950 MM, FOR DF120) OR 103 X 81 INCHES (2620 X 2050 MM, FOR DF240) IN ORDER TO ENSURE THE NORMAL OPERATION AND AIRFLOW AROUND THE MAXICHARGER.THE SPACE IS CALCULATED AS FOLLOWS:

LOCATION REQUIREMENTS
DF 120

LOCATION REQUIREMENTS
DF 240



- A. FRONT SIDE OF THE MAXICHARGER
B. REAR SIDE OF THE MAXICHARGER
C. LEFT SIDE OF THE MAXICHARGER
D. RIGHT SIDE OF THE MAXICHARGER
E. CABINET

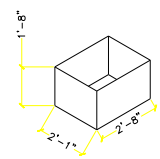
— SPACE REQUIREMENTS FOR DF120

PARAMETER	SPECIFICATION	
	IN	MM
X1	32.3	820
X2	31.5	800
X3	31.5	800
Y1	23.6	600
Y2	19.7	500
Y3	33.5	850

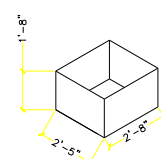
— SPACE REQUIREMENTS FOR DF240

PARAMETER	SPECIFICATION	
	IN	MM
X1	32.3	820
X2	35.4	900
X3	35.4	900
Y1	27.6	700
Y2	19.7	500
Y3	33.5	850

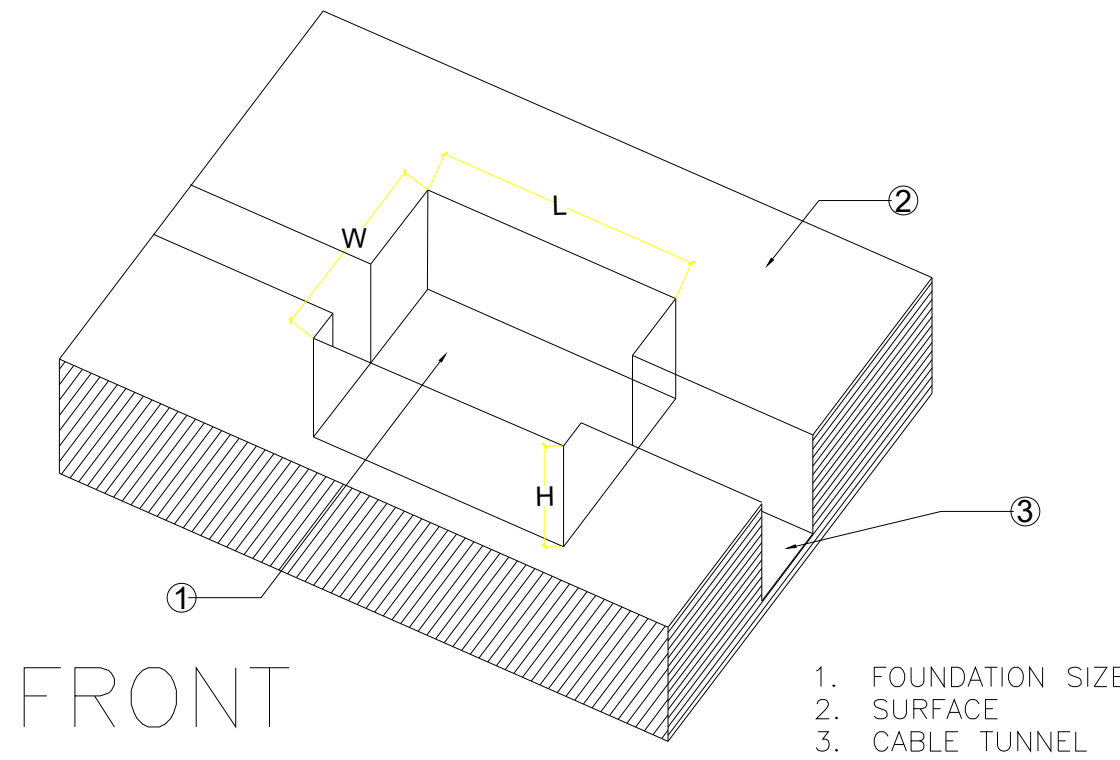
DIG A HOLE ACCORDING TO THE FOUNDATION DIMENSIONS RECOMMENDED



32x25x20in
(LxWxH)

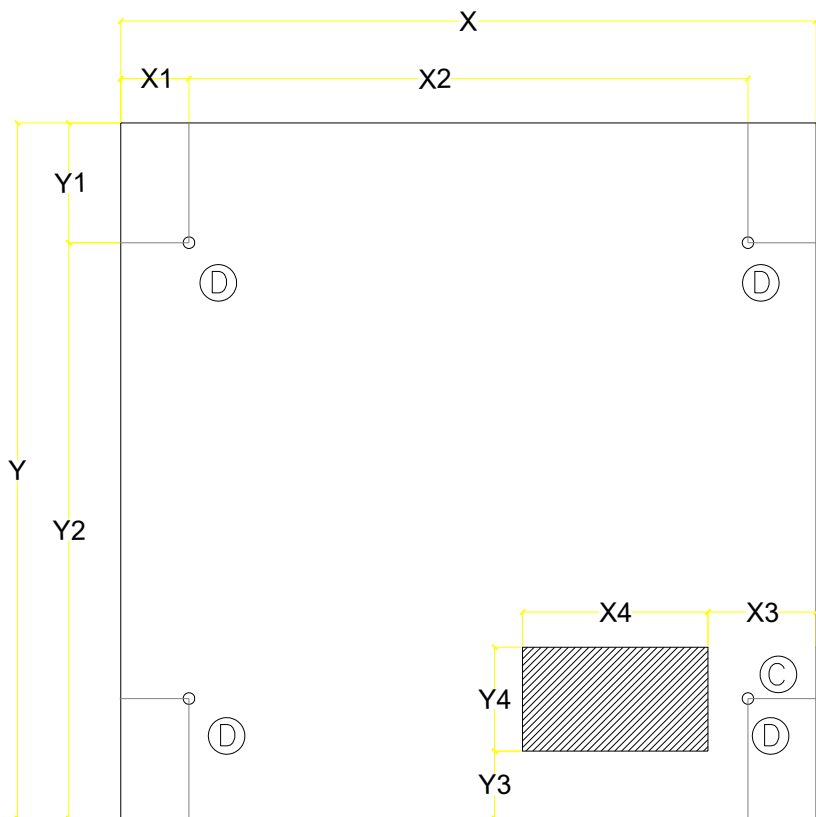


32x29x20in
(LxWxH)



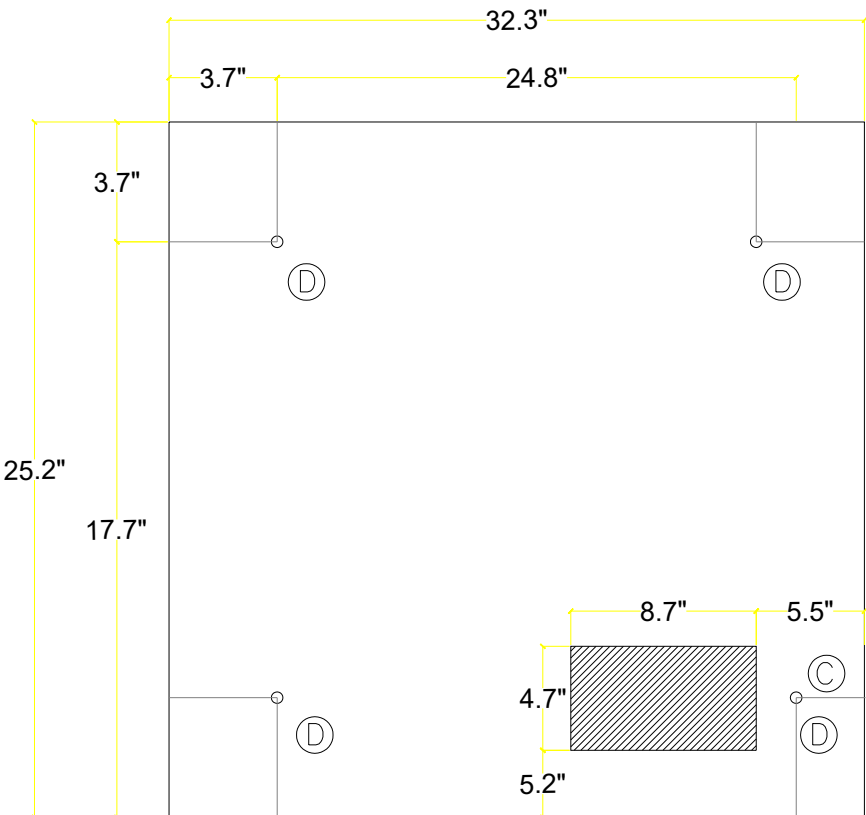
FRONT

PLACE THE DRILLING TEMPLATE ON THE CONCRETE SURFACE, ALIGNING WITH THE MARKED AREA (C). MARK THE FOUR MOUNTING HOLES (D) AND REMOVE THE DRILLING TEMPLATE. DRILL INTO THE HOLES WITH DEPTH OVER 4.3 INCHES (110MM) AND 4/5 INCH (20 MM) IN DIAMETER. CLEAN ANY DEBRIS.

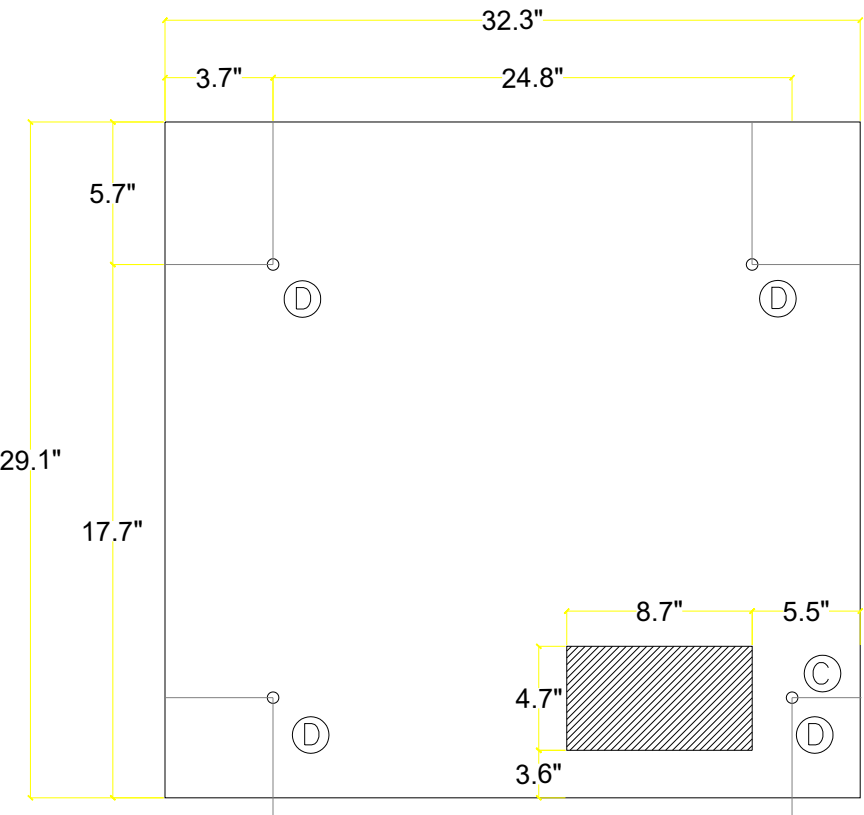


PARAMETER	SPECIFICATION			
	DF120		DF240	
	IN	MM	IN	MM
X	32.3	820	32.3	820
Y	25.2	640	29.1	740
X1	3.7	95	3.7	95
X2	24.8	630	24.8	630
X3	5.5	140	5.5	140
X4	8.7	220	8.7	220
Y1	3.7	94.3	5.7	144.3
Y2	17.7	450	17.7	450
Y3	5.2	131	3.6	91.5
Y4	4.7	120	4.7	120

LOCATION REQUIREMENTS
DF 120



LOCATION REQUIREMENTS
DF 240



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REV	DATE	DESCRIPTION

PROJECT NAME

ELECTRIC VEHICLE
CHARGING STATIONS
INSTALLATION AT

209 S PLANK RD
NEWBURGH, NY 12550

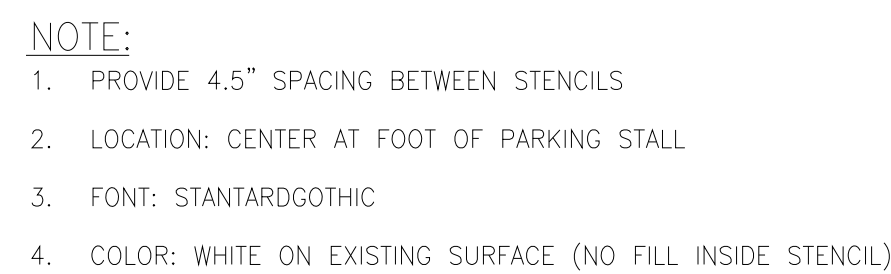
SHEET TITLE

E-701

EV CHARGER DETAILS

SEAL
SIGN AND SEAL

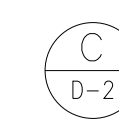
PROJECT NO: 209 S PLANK
TAX MAP DATA: 60 - 3 - 2
SCALE: AS NOTED
DRAWN BY: KS
CHECKED BY: KS
RSUREZ@WOODHOLLOWDESIGNS.COM



STANDARD STALL MARKINGS DETAIL



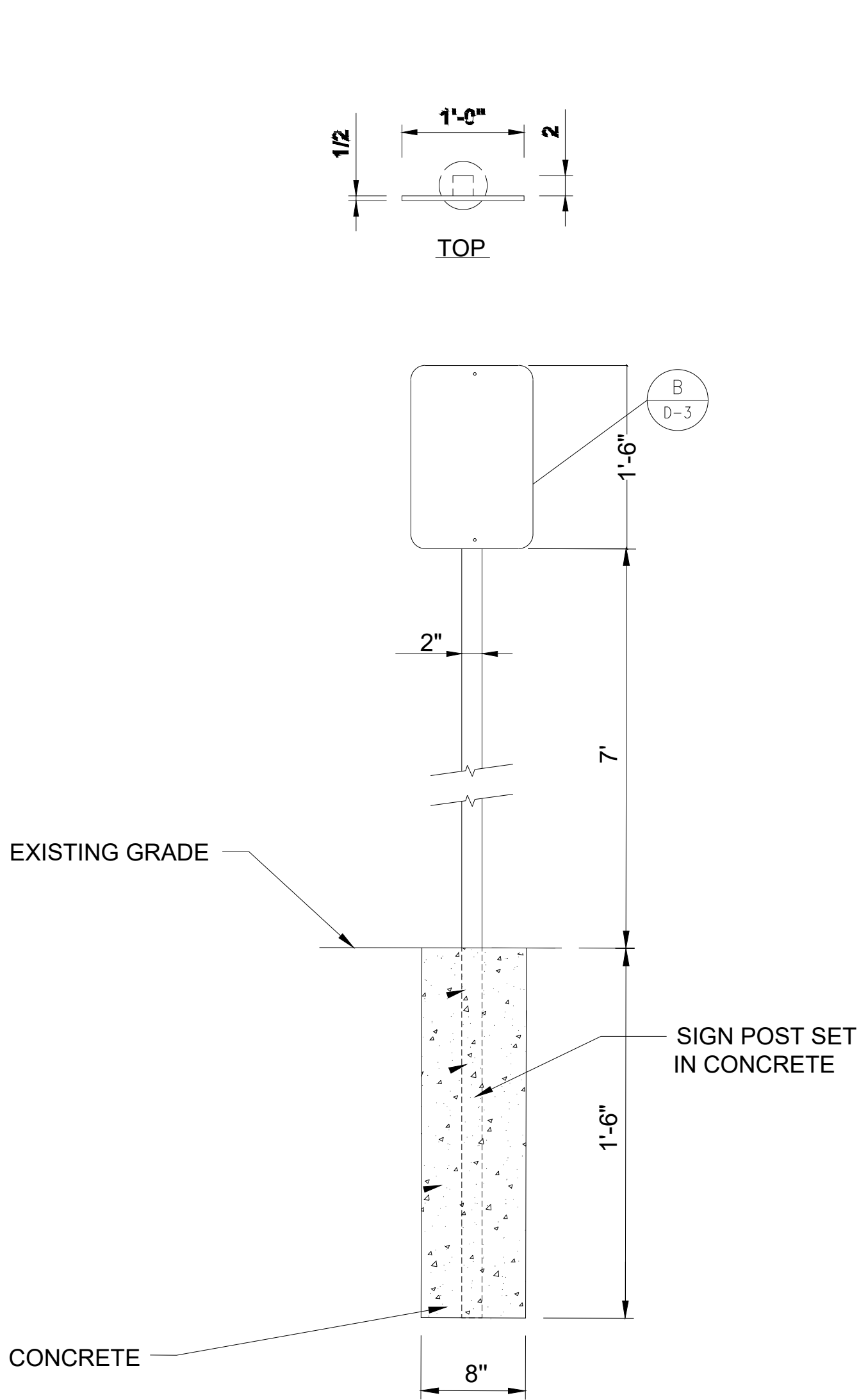
 **6" WARNING BOLLARD DETAIL**
NO SCALE



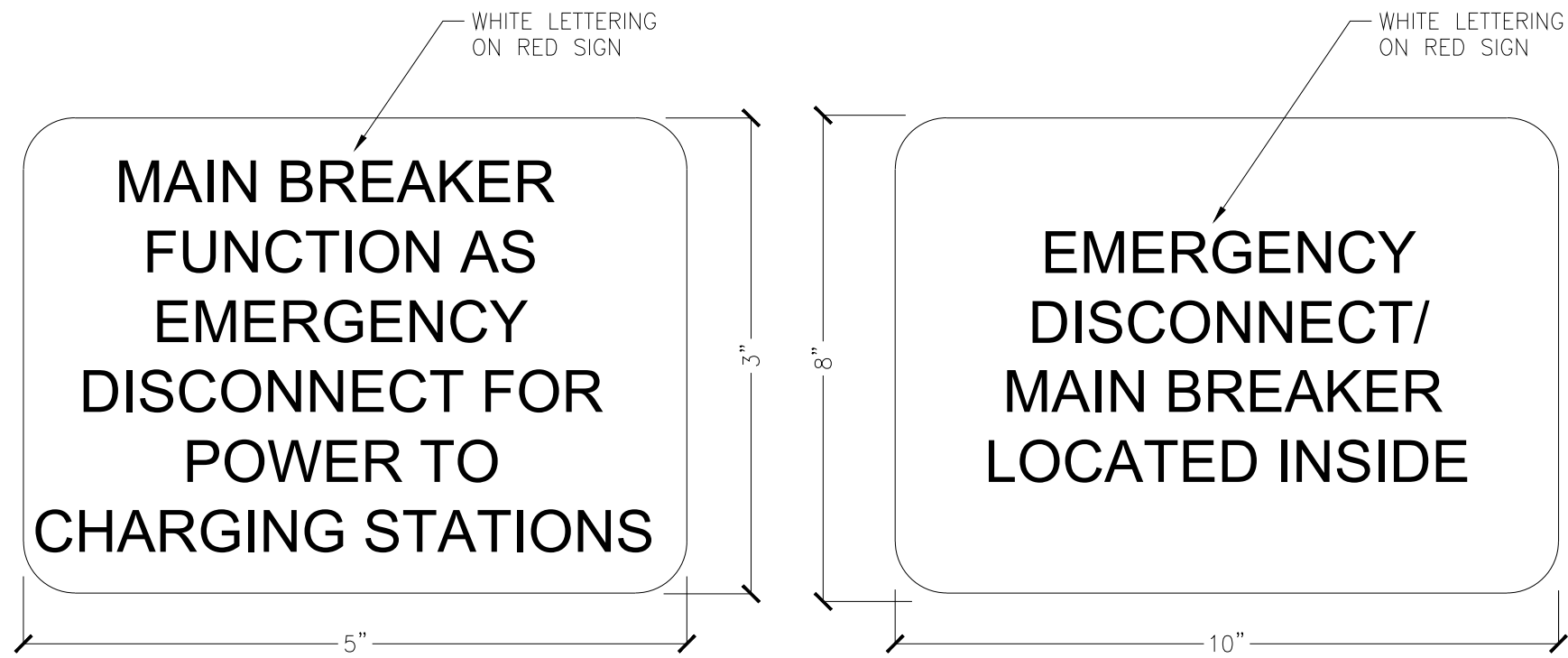
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ELECTRIC VEHICLE CHARGING STATIONS INSTALLATION AT 209 S PLANK RD NEWBURGH, NY 12550		
SHEET TITLE		
E-800 DETAILS		
SEAL SIGN AND SEAL	PROJECT NO: 209 S PLANK TAX MAP DATA: 60 - 3 - 2 SCALE: AS NOTED DRAWN BY: KS KSUAREZ@WOODHOLLOWDESIGNS.COM CHECKED BY:	

NOTES:

- BOLLARD IS FOR WARNING PURPOSES ONLY.
- CONTRACTOR TO CUT HOLE IN TOP OF PROVIDED BOLLARD COVER AND SMOOTH EDGES TO PREVENT CUT HAZARD
- CONTRACTOR TO PROVIDE (2) 6' LONG, 1/2" THICK FOAM STRIPS CROSSED OVER TOP OF STEEL PIPE TO STABILIZE SLIP COVER

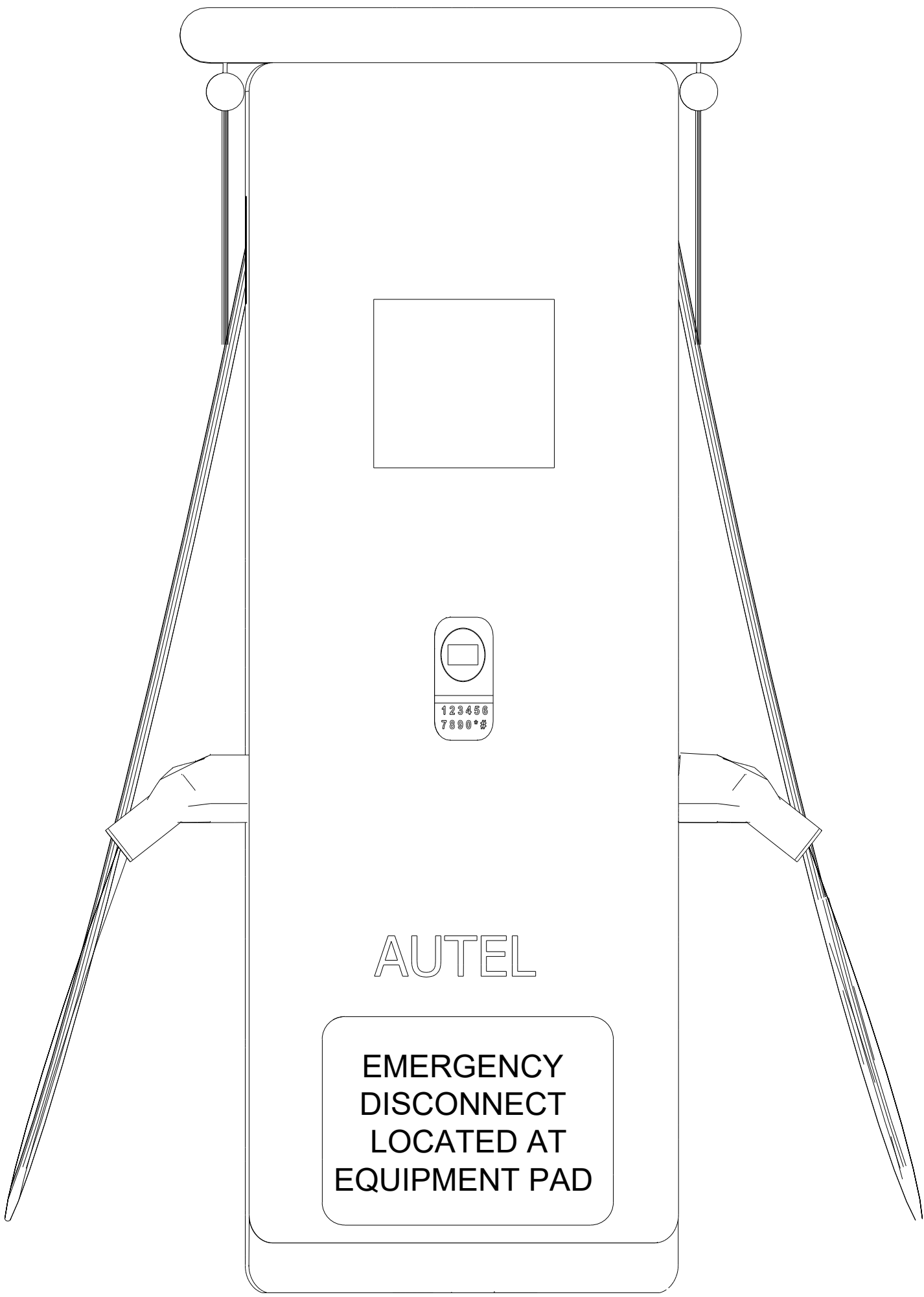


SIGN DETAIL
NO SCALE



- NOTES:**
- TO BE PLACED BY THE MAIN BREAKER INSIDE SWITCHBOARD.
 - TO BE PLACED ON OUTSIDE OF SWITCHBOARD SECTION HOUSING THE MAIN BREAKER.

EMERGENCY DISCONNECT SIGN DETAIL
NO SCALE



EMERGENCY DISCONNECT SIGN DETAIL EV CHARGERS
NO SCALE

CADWELD CONNECTIONS OR ENGINEER APPROVED EQUAL		
 CABLE TO REBAR TEE CONNECTION HORIZONTAL CABLE TAP TO VERTICAL REBAR TYPE RJ	 HORIZONTAL SPLICE SPLICE OF HORIZONTAL CABLES TYPE SS	 PARALLEL HORIZONTAL CONDUCTORS PARALLEL THROUGH CONNECTION OF HORIZONTAL CABLES TYPE PT
 BOND JUMPER FIELD FABRICATED GREEN STRANDED INSULATED TYPE 2-YA-2	 HORIZONTAL STEEL SURFACE TO FLAT STEEL SURFACE OR HORIZONTAL PIPE TYPE HS	 PARALLEL HORIZONTAL CONDUCTORS PARALLEL DEAD END TAP OR HORIZONTAL THRU CONDUCTOR TYPE PC
 COPPER LUGS TWO HOLE - LONG BARREL LENGTH TYPE YA-2	 HORIZONTAL TEE TEE OF HORIZONTAL RUN AND TAP CABLES TYPE TA	 THROUGH CABLE TO GROUND ROD THROUGH CABLE TO TOP OF GROUND ROD TYPE GT

CONCRETE ENCASED ELECTRODE DETAIL
NO SCALE

CLIENT, PROPERTY OR OWNERS INFORMATION

SOUTH PLANK HOLDINGS, LLC
289 N. PLANK RD SUITE 2
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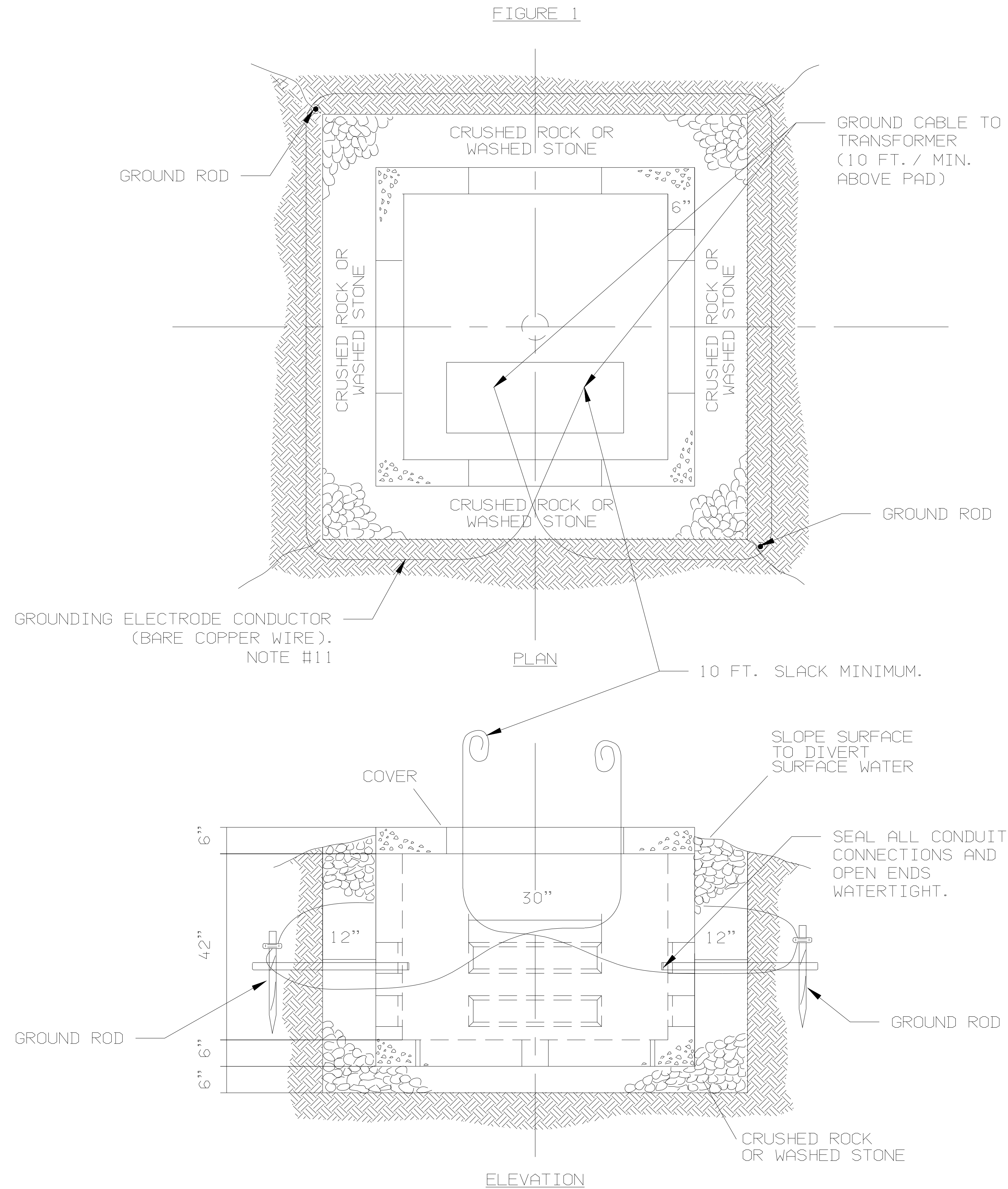
SHEET TITLE

E-801

DETAILS

SEAL
SIGN AND SEAL

PROJECT NO: 209 S PLANK
TAX MAP DATA: 60 - 3 - 2
SCALE: AS NOTED
DRAWN BY: KS
KSJAREZ@WOODHOLLOWDESIGNS.COM
CHECKED BY:



CENTRAL HUDSON GAS & ELECTRIC CORP.

THREE PHASE PAD SPECIFICATIONS
5-34.5 KV
75-2000 KVA

CLIENT, PROPERTY OR OWNERS INFORMATION

SOUTH PLANK HOLDINGS, LLC
289 N. PLANK RD SUITE 2
NEWBURGH, NY 12550

DESIGN CONSULTANT:

CONTRACTOR or VENDOR:

Woodhollow
Contracting Corp.

103 School St,
Lindenhurst, NY 11757

LEGAL NOTES:

"It is a violation of the state education law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter on item in anyway, on this drawing and/or in this specification in anyway, if any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

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KEY PLAN

2.0	07.23.2025	REVISED AS REQUESTED
1.0	06.03.2025	INITIAL DESIGN LAYOUT
REV	DATE	DESCRIPTION

PROJECT NAME

ELECTRIC VEHICLE
CHARGING STATIONS
INSTALLATION AT

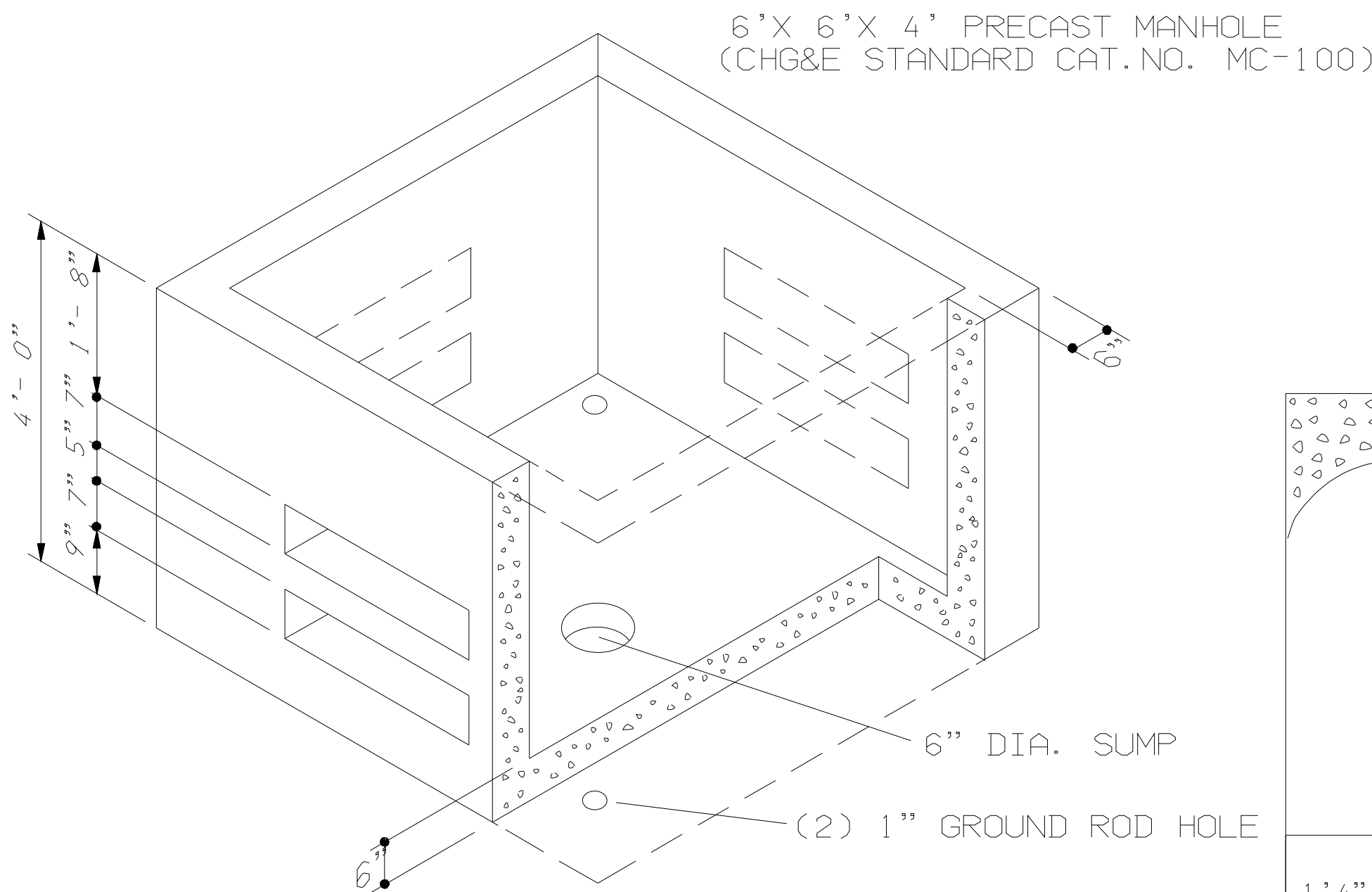
209 S PLANK RD
NEWBURGH, NY 12550

SHEET TITLE

E-802

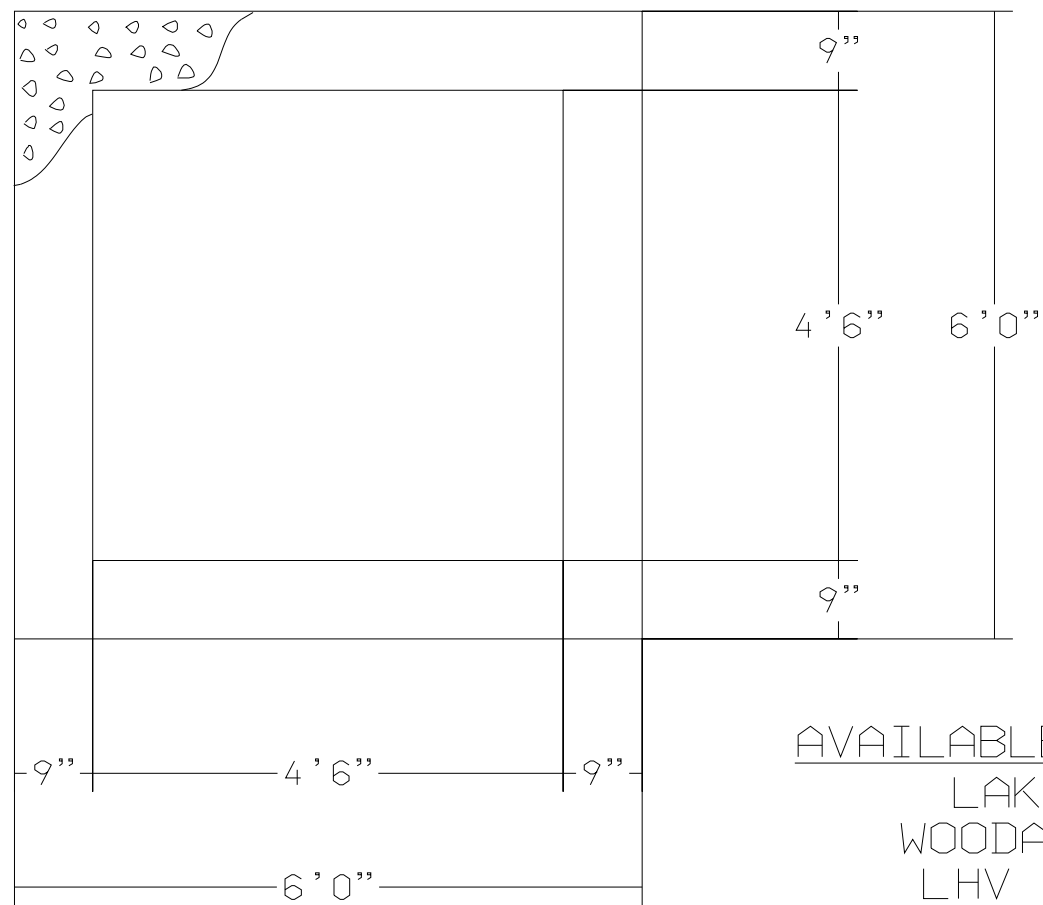
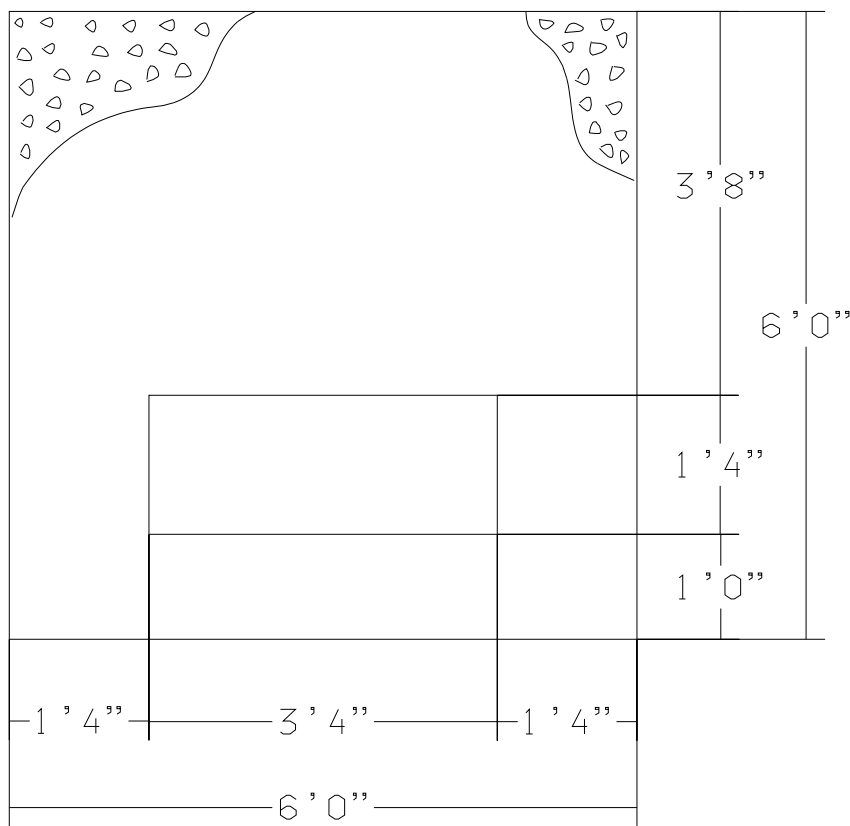
TRANSFORMER DETAILS

SEAL	PROJECT NO:	209 S PLANK
SIGN AND SEAL	TAX MAP DATA:	60 - 3 - 2
	SCALE:	AS NOTED
	DRAWN BY:	KS
	CHECKED BY:	KSQUARE@WOODHOLLOWDESIGNS.COM



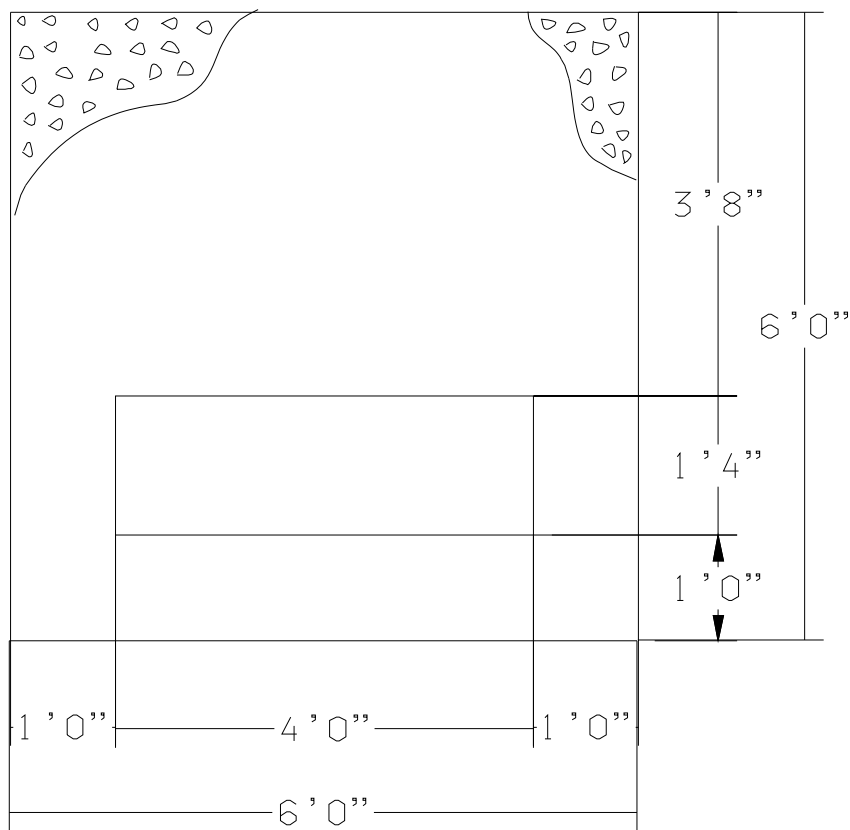
NOTES:
1. REINFORCED CONCRETE.
2. KNOCKOUTS - 7"X 30", 2 PER SIDE, FOUR SIDES.
WEIGHT:
BOX - 7899 LBS.
COVER - 2370 LBS.

75 - 150 KVA TRANSFORMER COVER
(CHG&E STANDARD CAT. NO. MC - 101)

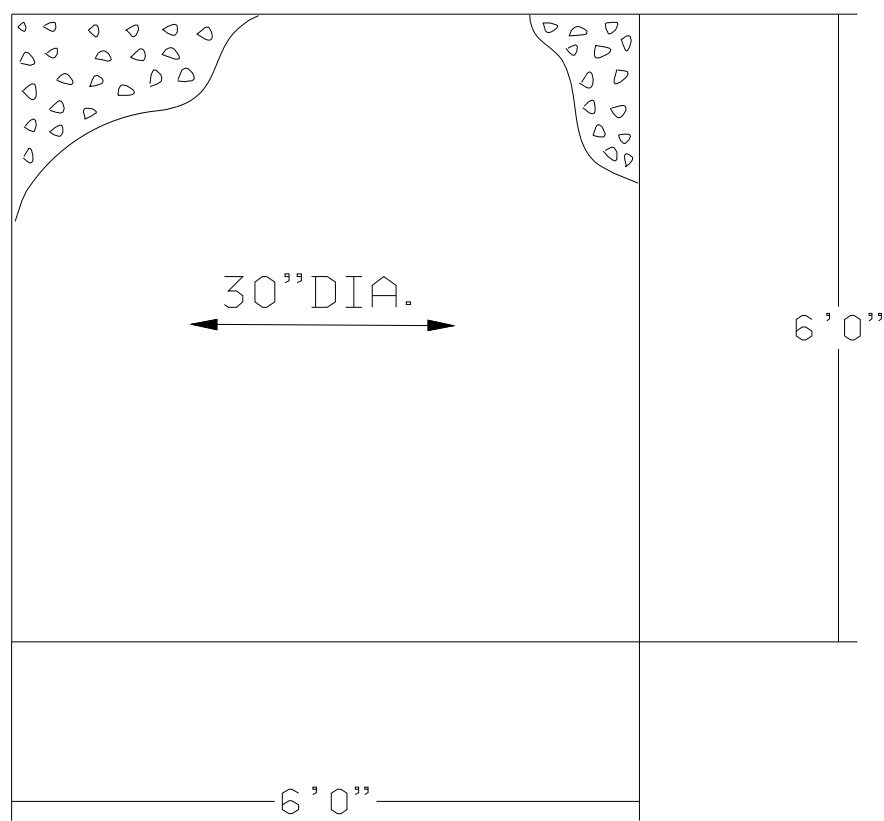


TYPE 2 COVER
(CHG&E STANDARD CAT. NO. MC - 102)

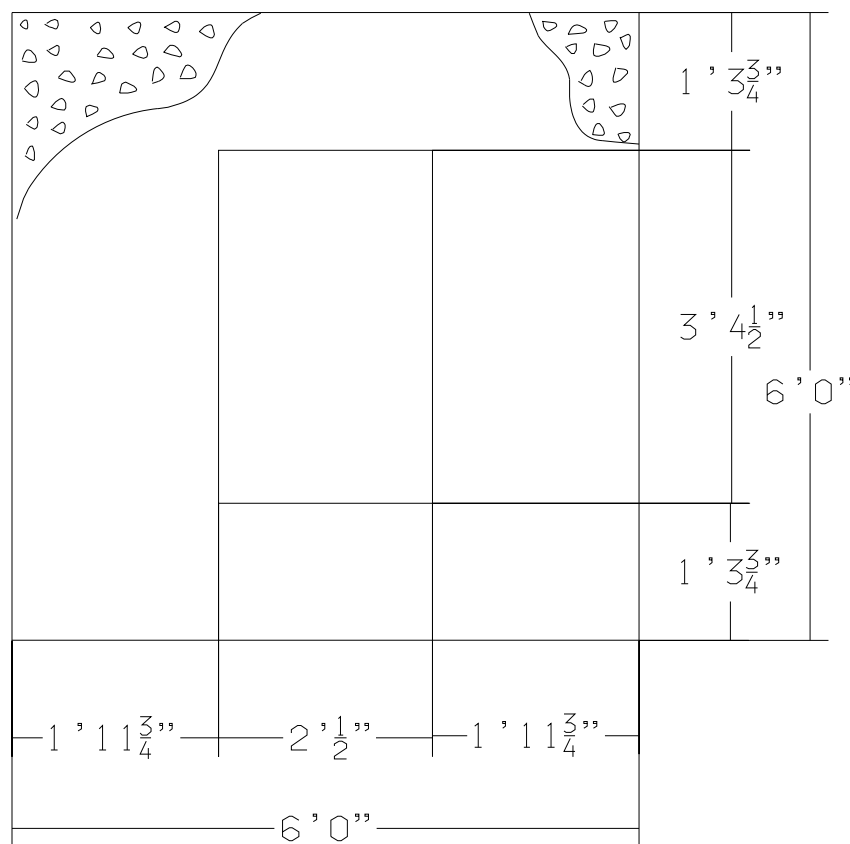
AVAILABLE MANUFACTURERS:
LAKELANDS H.V.
WOODARDS CONCRETE
LHV PRECAST INC.
CRANESVILLE BLOCK CO.



225 - 2000 KVA
TRANSFORMER COVER
(CHG&E STANDARD NO. MC - 101 M)



TYPE 1 MANHOLE COVER
(CHG&E STANDARD CAT. NO. MC - 103)



NOTES.

1. THE CUSTOMER WILL NORMALLY PROVIDE THE PAD FOR THREE PHASE PAD-MOUNTED TRANSFORMERS. THE STANDARD IS INTENDED AS A GUIDE FOR PROVIDING THE SPECIFICATIONS FOR PAD INSTALLATIONS APPLICABLE TO PAD-MOUNTED TRANSFORMERS OF VARIOUS KVA SIZE AND DIMENSIONS. THE STANDARD INSTALLATION USES A PRE-CAST CONCRETE BASE AND COVER. THE CONCRETE BASE IS OF UNIFORM SIZE AND UTILIZES COVERS WITH DIFFERENT SIZED WINDOW OPENINGS TO ACCOMMODATE THE KVA SIZE OF THE PAD-MOUNTED TRANSFORMER. DETAILED SPECIFICATIONS AND INSTALLATION REQUIREMENTS ARE PROVIDED IN PAGES 1 TO 3 OF THIS STANDARD.
2. THE SIDES AND REAR OF THE PAD SHALL BE A MINIMUM OF TEN (10) FEET FROM THE WINDOWS AND FIRE ESCAPES AND A MINIMUM OF THREE (3) FEET (TEN (10) FEET PREFERRED) FROM ALL BUILDINGS, FENCES, OR OTHER OBSTRUCTIONS WHICH WILL IMPEDE THE FREE FLOW OF COOLING AIR AROUND THE TRANSFORMER. THE FRONT OF THE PAD (WINDOW SIDE) SHALL HAVE A MINIMUM OF TEN (10) FEET OF UNOBSTRUCTED WORKING SPACE.
3. ACCESS TO PAD AREA BY VEHICLE MUST BE POSSIBLE AT ALL TIMES TO INSURE PROPER OPERATION AND MAINTENANCE FUNCTIONS.
4. STONE FOR BASE AND SIDES OF THE BOX PAD SHALL BE 3/4" MINIMUM TO 1-1/2" MAXIMUM CRUSHED ROCK OR WASHED STONE. 1/2" CRUSHED ROCK OR WASHED STONE MAY BE USED FOR TOP 6" IN LOCATIONS WHERE WINDOW BREAKAGE MAY BE A PROBLEM. FOR THE BASE, STONE SHALL BE PLACED ON UNDISTURBED OR WELL TAMPED EARTH.
5. AREA AROUND THE BOX PAD SHALL BE GRADED SO THAT SURFACE WATER WILL DRAIN AWAY FROM CRUSHED STONE OIL CONTAINMENT.
6. THE BOX PAD SHALL BE INSTALLED SUCH THAT THE TOP SURFACE IS LEVEL TO WITHIN 1/4" HIGH TO LOW.
7. IN GENERAL, 4" OR 6" CONDUIT SHOULD BE USED FOR BOTH PRIMARY AND SECONDARY CONDUCTORS. HOWEVER, THE SECONDARY CONDUIT SHOULD BE SIZED ACCORDING TO THE SECONDARY CONDUCTORS BEING INSTALLED.
8. PERMANENT SUPPORT SHALL BE PROVIDED FOR THE SECONDARY CONDUCTORS SUCH THAT THE TOTAL WEIGHT SUPPORTED BY EACH TRANSFORMER BUSHING SHALL NOT EXCEED TEN POUNDS. THUS SINGLE RUNS OF 500 MCM COPPER AND LARGER, 1000 MCM AL AND LARGER AND PRACTICALLY ALL MULTIPLE CONDUCTOR RUNS NEED TO BE SUPPORTED TO LIMIT THE STRESS ON THE BUSHINGS.
9. CENTRAL HUDSON RESERVES THE RIGHT TO REQUIRE SUITABLE BARRIERS IN TRAFFIC AREAS TO REDUCE THE PROBABILITY OF DAMAGE DUE TO TRUCKS, AUTOMOBILES, CONSTRUCTION EQUIPMENT, AND THE LIKE. SUITABLE BARRIERS MIGHT BE 4" (MINIMUM) STEEL PIPE, FILLED WITH CONCRETE, SET 4 FT. DEEP AND EXTENDING 3 TO 4 FEET ABOVE GROUND. BARRIERS SHOULD BE SET BEYOND THE OIL CONTAINMENT IN LOCATIONS WHICH WILL INTERCEPT VEHICLES YET NOT INTERFERE WITH THE INSTALLATION OR REMOVAL OF THE TRANSFORMER.
10. ALL GROUNDING MUST BE IN ACCORDANCE WITH COMPANY SPECIFICATIONS.
11. SIZE THE GROUNDING ELECTRODE CONDUCTOR AS FOLLOWS:
A. 200A AND SMALLER SECONDARY SERVICES: #4 AWG COPPER
B. 400A SECONDARY SERVICES: #1/0 AWG COPPER
C. LARGER THAN 400A SECONDARY SERVICES: #3/0 AWG COPPER

CENTRAL HUDSON GAS & ELECTRIC CORP.

THREE PHASE PAD SPECIFICATIONS
5-34.5 KV
75-2000 KVA

CLIENT, PROPERTY OR OWNERS INFORMATION

SOUTH PLANK HOLDINGS, LLC
289 N. PLANK RD SUITE 2
NEWBURGH, NY 12550

DESIGN CONSULTANT:

CONTRACTOR or VENDOR:

Woodhollow
Contracting Corp.

103 School St,
Lindenhurst, NY 11757

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KEY PLAN

REV	DATE	DESCRIPTION
2.0	07.23.2025	REVISED AS REQUESTED
1.0	06.03.2025	INITIAL DESIGN LAYOUT

PROJECT NAME

ELECTRIC VEHICLE
CHARGING STATIONS
INSTALLATION AT

209 S PLANK RD
NEWBURGH, NY 12550

SHEET TITLE

E-803
TRANSFORMER DETAILS

SEAL	PROJECT NO: 209 S PLANK
SIGN AND SEAL	TAX MAP DATA: 60 - 3 - 2
	SCALE: AS NOTED
	DRAWN BY: KS
	CHECKED BY:

A 3D perspective rendering of a power transformer and switchgear assembly. The transformer, a large green unit with a cooling finned core, sits on a dark grey concrete pad. To its left, three white switchgear cabinets are arranged in a row on a similar pad. The entire setup is on a green grassy area with a brown soil layer visible at the base. Nine yellow safety bollards with reflective white bands are positioned around the equipment for safety.

Space and Clearance Requirements:

The transformer shall be located at least 10 feet (3 meters) away from buildings with doors, windows, or other wall openings, unless a code-compliant fire-rated barrier is provided.

- Concrete Pad Requirements:

- Accessibility and Safety:

Protective bollards (steel safety posts) shall be installed around the equipment, typically spaced 3 feet (1 meter) apart, to protect from vehicular damage.

- Aesthetic and Visibility Considerations:

Note: All distances, layouts, and materials are conceptual and must be confirmed during final engineering. Approvals from local authorities, utility providers, and the City of Newburgh's Building Department are required prior to construction.

AGENT, PROPERTY OR OWNERS INFORMATION		
SOUTH PLANK HOLDINGS, LLC 289 N. PLANK RD SUITE 2 NEWBURGH, NY 12550		
DESIGN CONSULTANT:		
CONTRACTOR or VENDOR:		
Woodhollow Contracting Corp.		
103 School St, Lindenhurst, NY 11757		
LEGAL NOTES		
<p>"It is a violation of the state education law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway, if any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."</p> <ul style="list-style-type: none">Any errors and omissions in the drawing are to be checked by the general contractor and relayed to the architect/EORDo not scale drawingsAll work shall comply with the local building code(s) and with requirements of local AHJ		
KEY PLAN:		
<div></div>		
2.0	07.23.2025	REVISED AS REQUESTED
1.0	06.03.2025	INITIAL DESIGN LAYOUT
REV	DATE	DESCRIPTION
PROJECT NAME		
ELECTRIC VEHICLE CHARGING STATIONS INSTALLATION AT 209 S PLANK RD NEWBURGH, NY 12550		
SHEET TITLE		
E-803 TRANSFORMER DETAILS		
SEAL SIGN AND SEAL	PROJECT NO: 209 S PLANK TAX MAP DATA: 60 - 3 - 2 SCALE: AS NOTED DRAWN BY: KS KSUAREZ@WOODHOLLOWDESIGNS.COM CHECKED BY:	

CONTRACTOR or VENDOR:

103 School St,
Lindenhurst, NY 11757

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<p> $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$ $\frac{1}{16} \times \frac{1}{16} = \frac{1}{256}$ $\frac{1}{256} \times \frac{1}{256} = \frac{1}{65,536}$ $\frac{1}{65,536} \times \frac{1}{65,536} = \frac{1}{4,294,967,296}$ </p>	<p> $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$ $\frac{1}{16} \times \frac{1}{16} = \frac{1}{256}$ $\frac{1}{256} \times \frac{1}{256} = \frac{1}{65,536}$ $\frac{1}{65,536} \times \frac{1}{65,536} = \frac{1}{4,294,967,296}$ </p>
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PROJECT No.:	B090229
DRAWN BY:	SG
CHECKED BY:	DSC
DATE:	4-07-10
SCALE:	AS NOTED
CAD I.D.:	B090229SS5

209 SOUTH PLANK ROAD
TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

5 COMPUTER DRIVE WEST
ALBANY, NY 12205
PH: (518) 438-9900
FX: (518) 438-0900
www.BohlerEngineering.com

SHEET TITLE:	
SITE PLAN	
SHEET NUMBER:	
3	
OF 11	
REVISION 4	

ELECTRIC VEHICLE CHARGING STATIONS INSTALLATION AT

209 S PLANK RD
NEWBURGH, NY 12550

E-900

APPROVED SITE PLAN

SEAL
SIGN AND SEAL

PROJECT NO:	209 S PLANK
TAX MAP DATA:	60 - 3 - 2
SCALE:	AS NOTED
DRAWN BY:	KS
KSUAREZ@WOODHOLLOWDESIGNS.COM	
CHECKED BY:	

