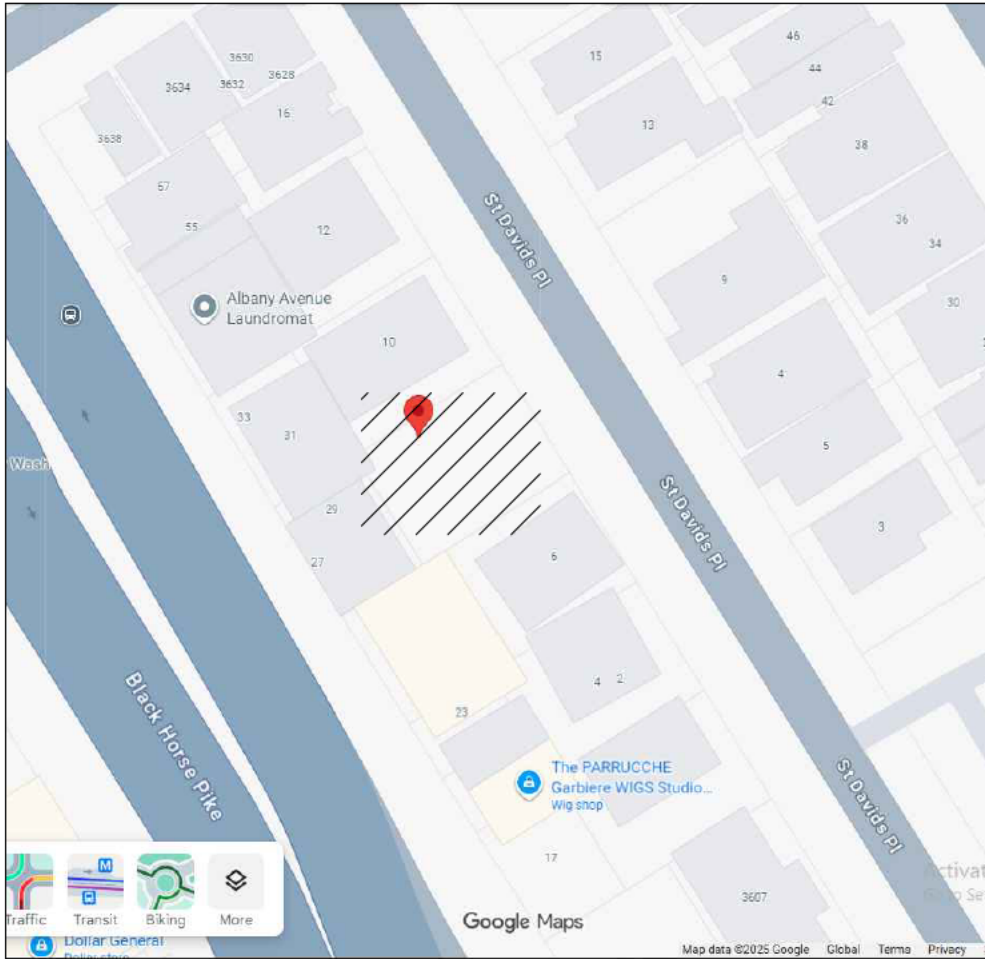
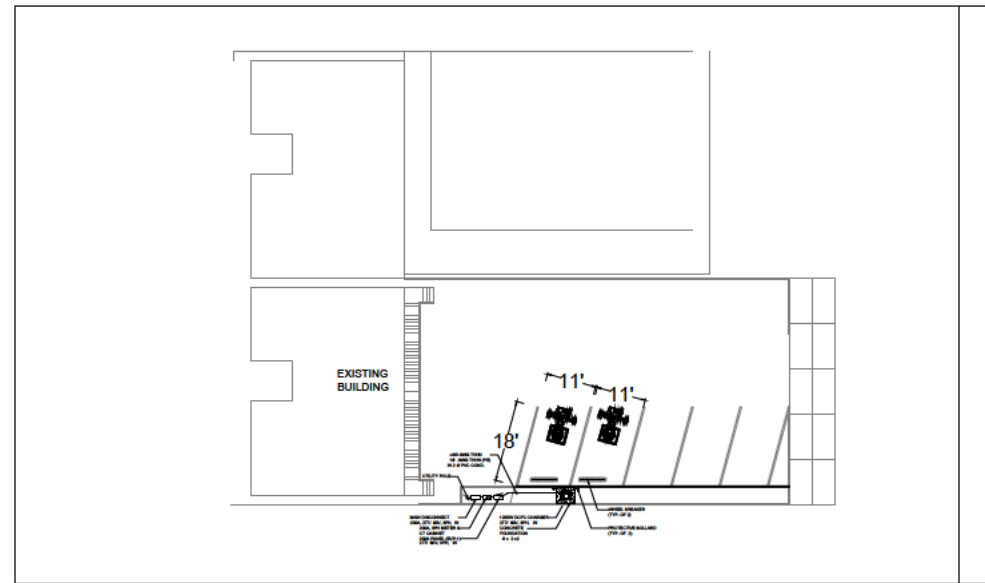




VICINITY MAP
SCALE : NTS

Refer To
Sheet E02



SITE PLAN
SCALE : NTS

ELECTRIC VEHICLE CHARGERS

GENERAL DEMOLITION NOTES:

1. UNUSED FLUSH MOUNTED DEVICES, OUTLETS, AND OTHER BOXES IN FINISHED AREAS SHALL BE REMOVED FROM WALL AND THE REMAINING HOLE PATCHED TO MATCH ADJACENT WALL SURFACES. UNUSED RACEWAYS AND SLEEVES SHALL BE CUT FLUSH AT CEILING, FLOOR, OR WALL AND FILLED WITH GROUT. UNUSED RACEWAYS ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED.
2. IN SELECTIVE DEMOLITION AREAS THE CONTRACTOR SHALL REMOVE THOSE DEVICES NOTED FOR DEMOLITION. IF CONTRACTOR QUESTIONS WHETHER A PARTICULAR DEVICE IS TO BE REMOVED NOTIFY THE CONTRACTING OFFICER NOTING TYPE AND LOCATION OF THE DEVICE. IF SO DIRECTED, THE CONTRACTOR SHALL MAINTAIN THE EXISTING DEVICE IN SERVICE WITHOUT ANY CHANGE IN CONTRACT PRICE.
3. ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE AND WHICH ARE INTERRUPTED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS EXCEPT RELOCATION OF WIRING OF #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY WORK CONTRACTING OFFICER OF WIRING LOCATION, REASON IT MUST BE REMOVED, COST OF RELOCATION, AND OBTAIN CONTRACTING OFFICER'S APPROVAL BEFORE PROCEEDING WITH
4. PRIOR TO COMMENCING WITH DEMOLITION, IDENTIFY ALL POWER, LIGHTING, COMMUNICATION, AND SIGNAL CIRCUITS PASSING THROUGH THE DEMOLITION AREA OR EXTENDING BEYOND THE DEMOLITION AREA. CLEARLY MARK ITEMS TO BE MAINTAINED AND COORDINATE WITH DEMOLITION WORK OF OTHER TRADES. PROVIDE REDLINE DRAWINGS WITH FINDINGS.
5. PROVIDE TEMPORARY WIRING AS NECESSARY TO MAINTAIN EXISTING CIRCUITS EXTENDING BEYOND REMODELING AREA
6. WHERE REMODEL WORK BY ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER TRADES IS INDICATED ON PLANS, REMOVE, RELOCATE, AND REINSTALL ALL EXISTING ELECTRICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO: ELECTRICAL CONDUITS, CIRCUITS, LIGHTING, EQUIPMENT, DEVICES, AND SUPPORTS AS REQUIRED TO INSTALL NEW WORK AND REMODEL EXISTING WORK.
7. PROVIDE AN APPROVED FIRE-STOP SYSTEM AT LOCATIONS WHERE PENETRATIONS THROUGH FIRE-RATED WALLS ARE LEFT ABANDONED DUE TO THE REMOVAL OF CONDUIT, WIRING, OR DEVICES.
8. DEMOLISH CABLING, RACEWAYS, CONDUCTORS, AND ACCESSORIES ASSOCIATED WITH THE DEMOLITION OF ELECTRICAL DEVICES AND EQUIPMENT.

GENERAL CONSTRUCTION NOTES:

1. BRANCH CIRCUIT WIRING: WHERE THE DRAWINGS IDENTIFY CIRCUIT NUMBERS FOR ITEMS REQUIRING ELECTRICAL POWER, BUT DO NOT INDICATE THE MANNER OF THE WIRING BETWEEN THE ITEM AND ITS SOURCE, THE MANNER OF THE WIRING SHALL BE DEvised BY THE CONTRACTOR UTILIZING THE FOLLOWING PROVISIONS: WIRING SIZES:
 - 1.1. DERATE WIRING FOR THERMAL RESTRICTIONS IMPOSED BY THE NATIONAL ELECTRICAL CODE.
 - 1.2. IF WIRE SIZES ARE NOT OTHERWISE INDICATED, WIRE SIZES SHALL LIMIT THE VOLTAGE DROP FOR CIRCUITS SERVING GENERAL PURPOSE RECEPTACLES (180VA PER STRAP) TO LESS THAN 3% BASED ON THE RECEPTACLES IN THE CIRCUIT THAT IS FARTHEST FROM THE SOURCE BEING UTILIZED WITH A LOAD OF 14 AMPS AT 80% POWER FACTOR. THE FOLLOWING WIRE SIZES AND CIRCUIT LENGTHS COMPLY WITH THIS REQUIREMENT.
 - 1.3. WIRE SIZES FOR OTHER LOADS SHALL LIMIT THE VOLTAGE DROP TO LESS THAN 3% BASED ON THE LOAD INDICATED ON THE PANEL SCHEDULES.
2. OUTLET AND JUNCTION BOXES: ARRANGE WIRING EXTENSIONS FROM JUNCTION BOXES TO OUTLET BOXES TO RESTRICT THE NUMBER OF WIRES IN AN OUTLET BOX AS REQUIRED BY NEC ARTICLE 314.
3. ALL PROVIDED DEVICES SHALL BE RECESSED. CUT WALLS/CEILINGS AS NECESSARY TO INSTALL BACK BOXES. PATCH, REPAIR, AND PAINT WALLS TO MATCH EXISTING.
4. WHERE POWER RECEPTACLES, DATA OUTLETS, AND SWITCHES ARE SHOWN ON BOTH SIDES OF WALLS, ENSURE THEY ARE LOCATED A MINIMUM OF ONE STUD APART FROM ONE ANOTHER.

GENERAL PROJECT NOTES:

1. COMPLY WITH THE NATIONAL ELECTRICAL CODE AS ADOPTED AND AMENDED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
2. THE LOCATIONS OF ELECTRICAL DEVICES OR LUMINAIRES INDICATED ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER THE LOCATIONS INDICATED ON THE ELECTRICAL DRAWINGS.
3. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS.

SHEET INDEX

Sheet Number	Sheet Title
E101	COVER SHEET
E102	ELECTRICAL SITE PLAN
E103	LOAD CALCULATION & SINGLE LINE DIAGRAM
E104	DETAILS
E105	ELEVATIONS

VACANT LOT
ELECTRIC VEHICLE CHARGING

REVISION DESCRIPTION

DATE

NO.

DATE :

08/09/2025

PROJECT NUMBER :

SHEET TITLE :

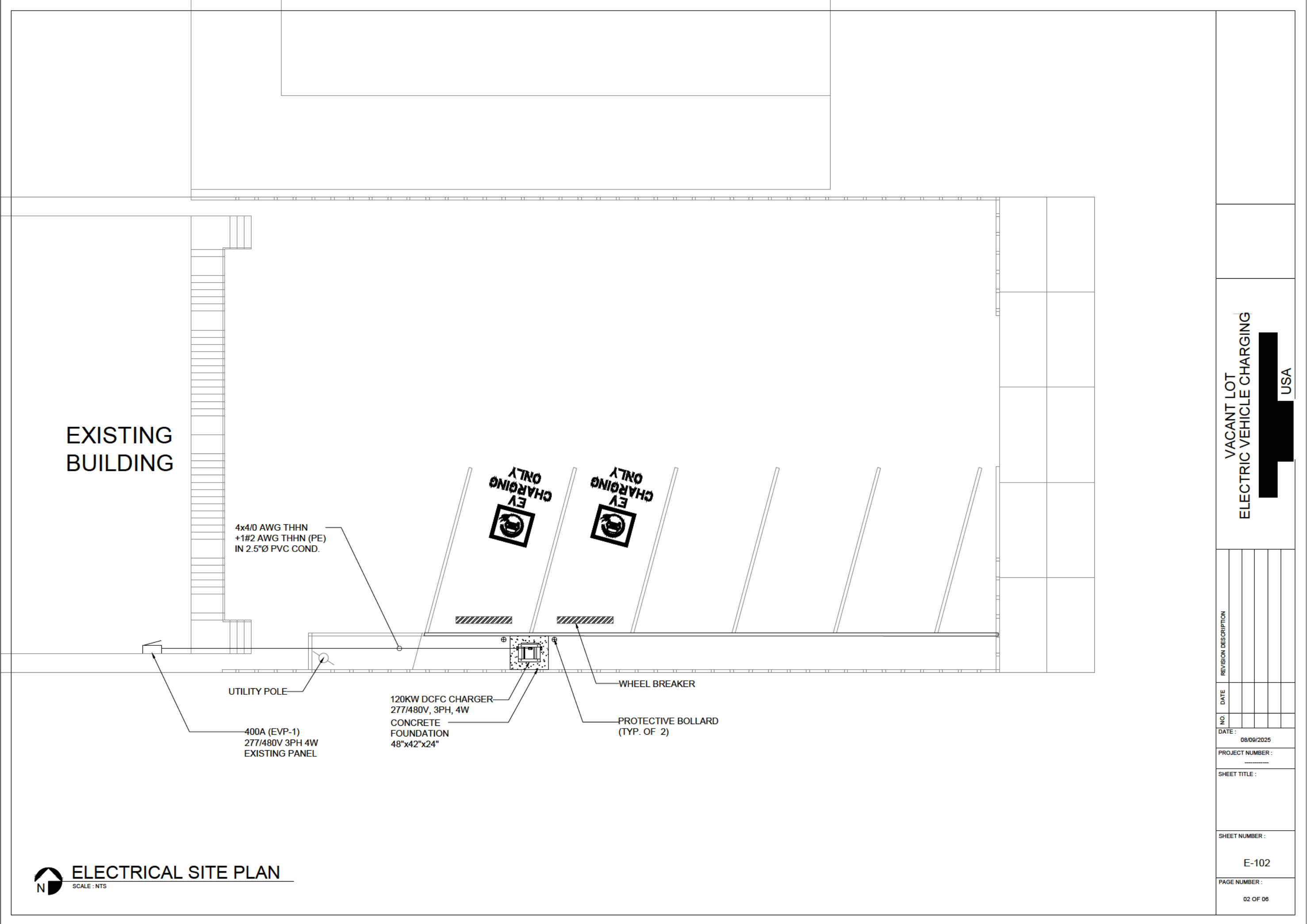
COVER SHEET

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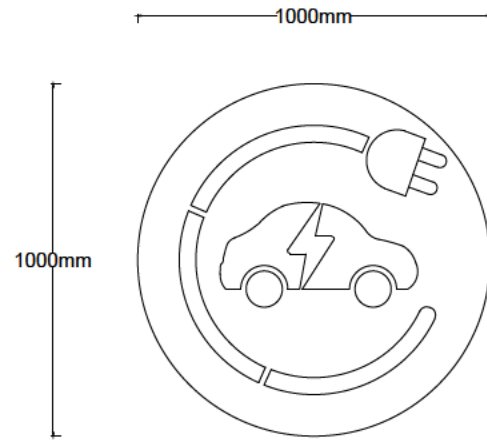
VACANT LOT
ELECTRIC VEHICLE CHARGING



REVISION DESCRIPTION	
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NOTES:

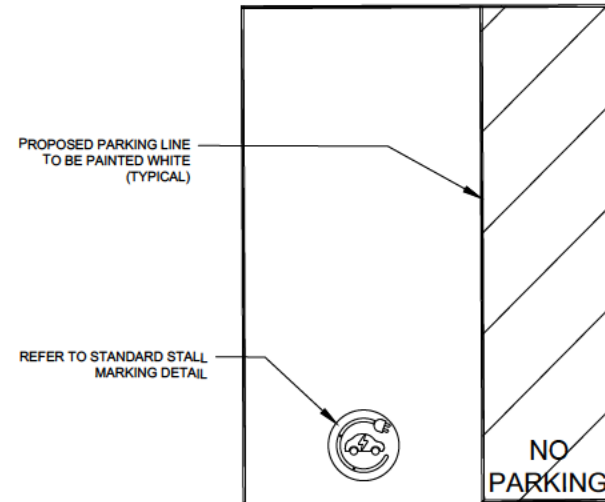
1. PROVIDE 4.5" SPACING BETWEEN STENCILS
2. LOCATION: CENTER AT FOOT OF PARKING STALL
3. FONT: STANTARDGOTHIC
4. COLOR: WHITE ON EXISTING SURFACE
(NO FILL INSIDE STENCIL)



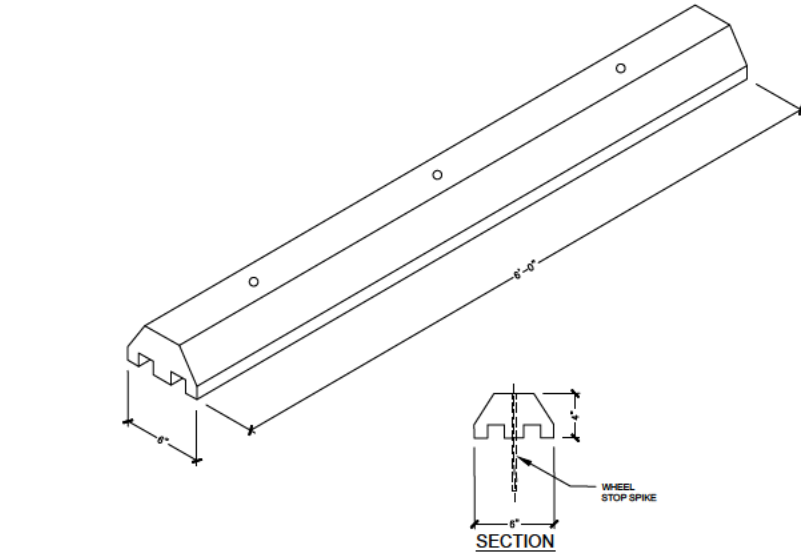
STANDARD STALL MARKINGS DETAIL
SCALE: NTS

NOTES:

1. PROPOSED ACCESSIBLE STALLS AND ACCESS AISLE SHALL BE 2% MAX SLOPE IN ALL DIRECTION
2. REFERS TO SHEET C-3 FOR PROPOSED SITE PLAN.
3. LOWER SIDE OF MARKING SHOULD BE ALIGNED WITH THE END OF THE PARKING SPACE.
4. THE CENTER OF THE TEXT SHALL BE A MAXIMUM OF 6 INCHES FROM THE CENTERLINE OF THE VEHICLE SPACE.



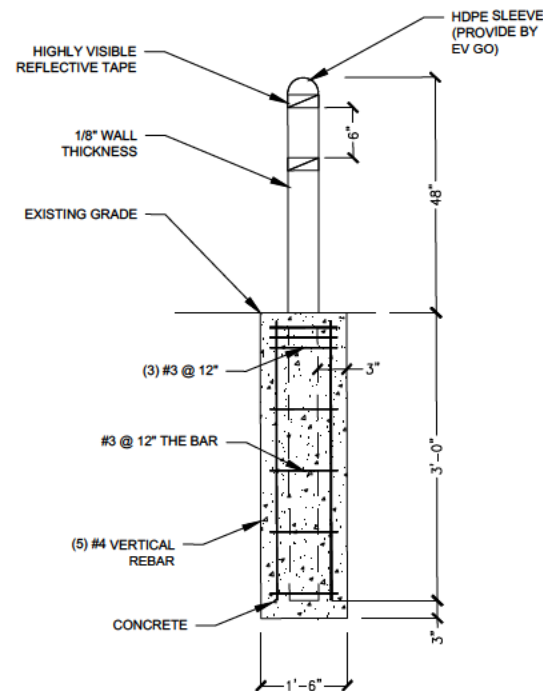
ELECTRICAL SITE PLAN
SCALE: NTS



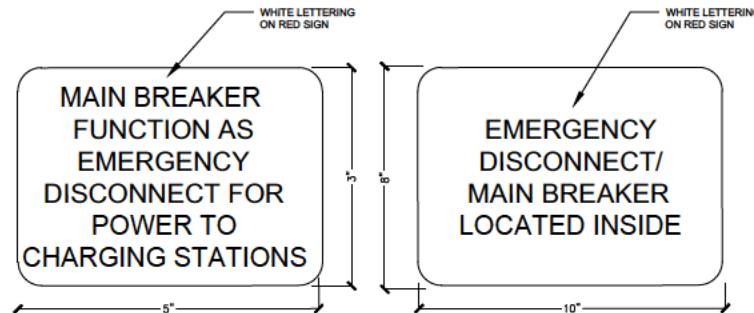
TYPICAL WHEEL STOP DETAIL
SCALE: NTS

NOTES:

1. BOLLARDS IS FOR WIRING PURPOSES ONLY .
2. BOLLARDS DETAIL FOR BOLLARDS AROUND ENERJET EQUIPMENT.



ELECTRICAL SITE PLAN
SCALE: NTS

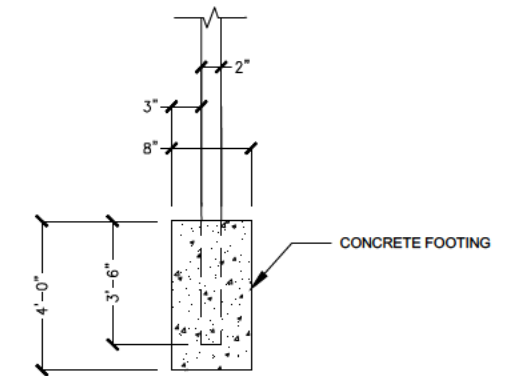


- NOTES:
1. TO BE PLACED BY THE MAIN BREAKER INSIDE SWITCHBOARD
 1. TO BE PLACED ON OUTSIDE OF SWITCHBOARD SECTION HOUSING THE MAIN BREAKER.

EMERGENCY DISCONNECT SIGN DETAIL
SCALE: NTS

NOTES:

1. CONTRACTOR TO SHEET CONCRETE FOOTING OR BOLT DOWN BASED ON EXISTING CONDITIONS.
 2. SEE SHEET C-3 FOR PLACEMENT.
 3. BOTTOM OF LOWEST SIGN TO BE INSTALLED 66" ABOVE GRADE.
 4. ADDITIONAL PARKING SIGNS TO BE INSTALLED 2" ABOVE TOP OF PREVIOUS SIGN.
 5. SIGN, SIGN POST AND SIGN FASTENERS TO BE PROVIDED BY CONTRACTOR. CONTRACTOR TO PROVIDE SIGN POST FASTENERS IF REQUIRED AND PAINTED TO MATCH.
 6. IF PAINT FINISH IS DAMAGED DURING INSTALLATION, CONTRACTOR SHALL REPAINT AS REQUIRED.
 7. CONTRACTOR SHALL COORDINATE WITH CITY WHEN SPECIAL JURISDICTION/CITY REQUEST ARE NECESSARY FOR ANY SIGN POST INSTALLATION I.E. POST MATERIALS PAINT COLORS HARDWARE, ETC. CONTRACTOR IS RESPONSIBLE FOR ENSURING CITY APPROVES ALL MATERIALS PRIOR TO INSTALLATION.
- BOLT DOWN BASE PLATE NOTES**
1. CONTRACTOR TO PROVIDE AND INSTALL SIGN POST, BASE PLATE ASSEMBLY, EXPANSION ANCHORS, AND 1/2" DIA A307 BOLT.
 2. BASE PLATE ASSEMBLY TO BE HOT DIPPED GALVANIZED. PAINT TO MATCH SIGN POST.
 3. PROVIDE 1/4" DIA DRAIN HOLE TO PREVENT WATER FROM COLLECTING IN HSS.

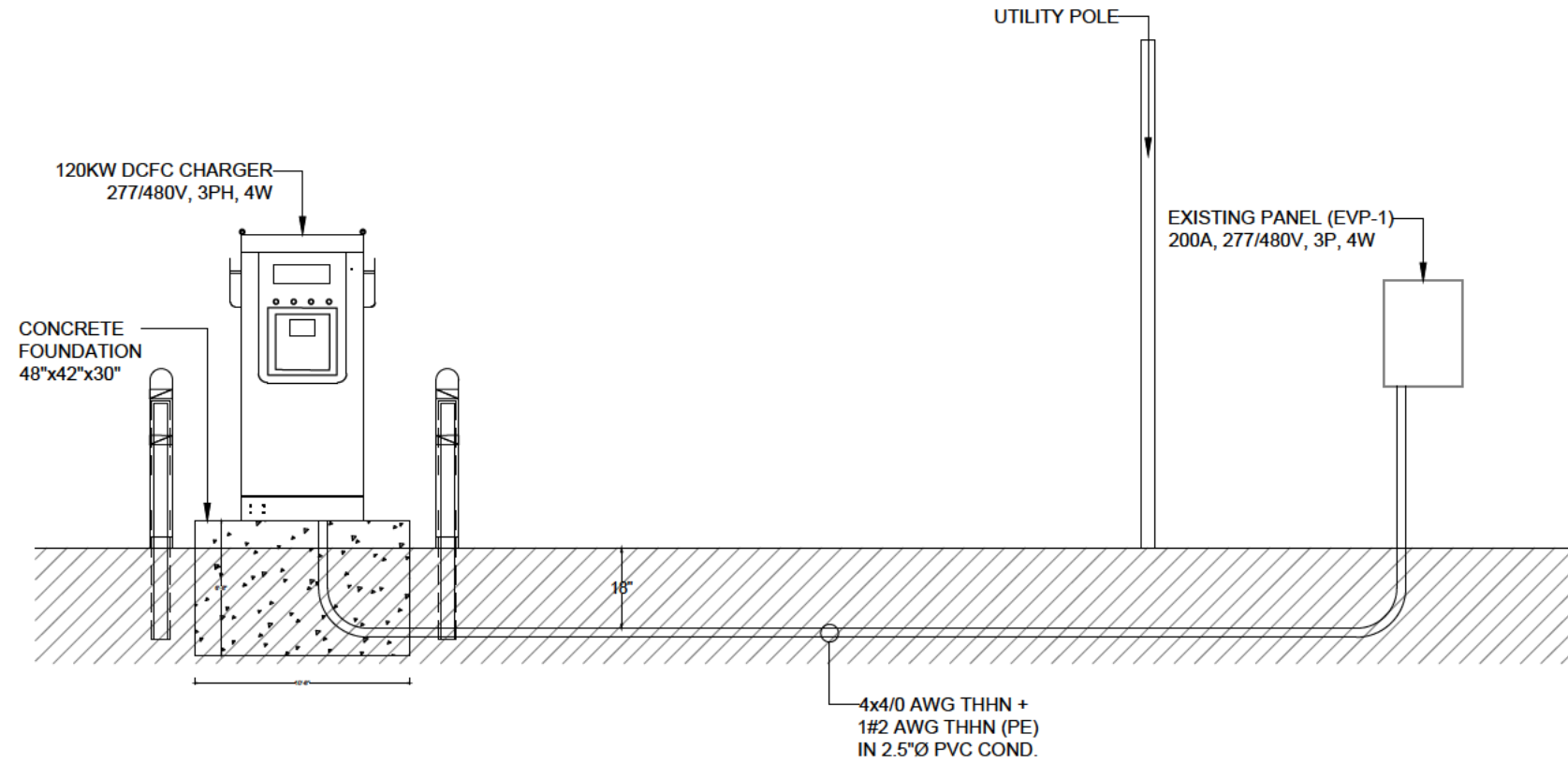


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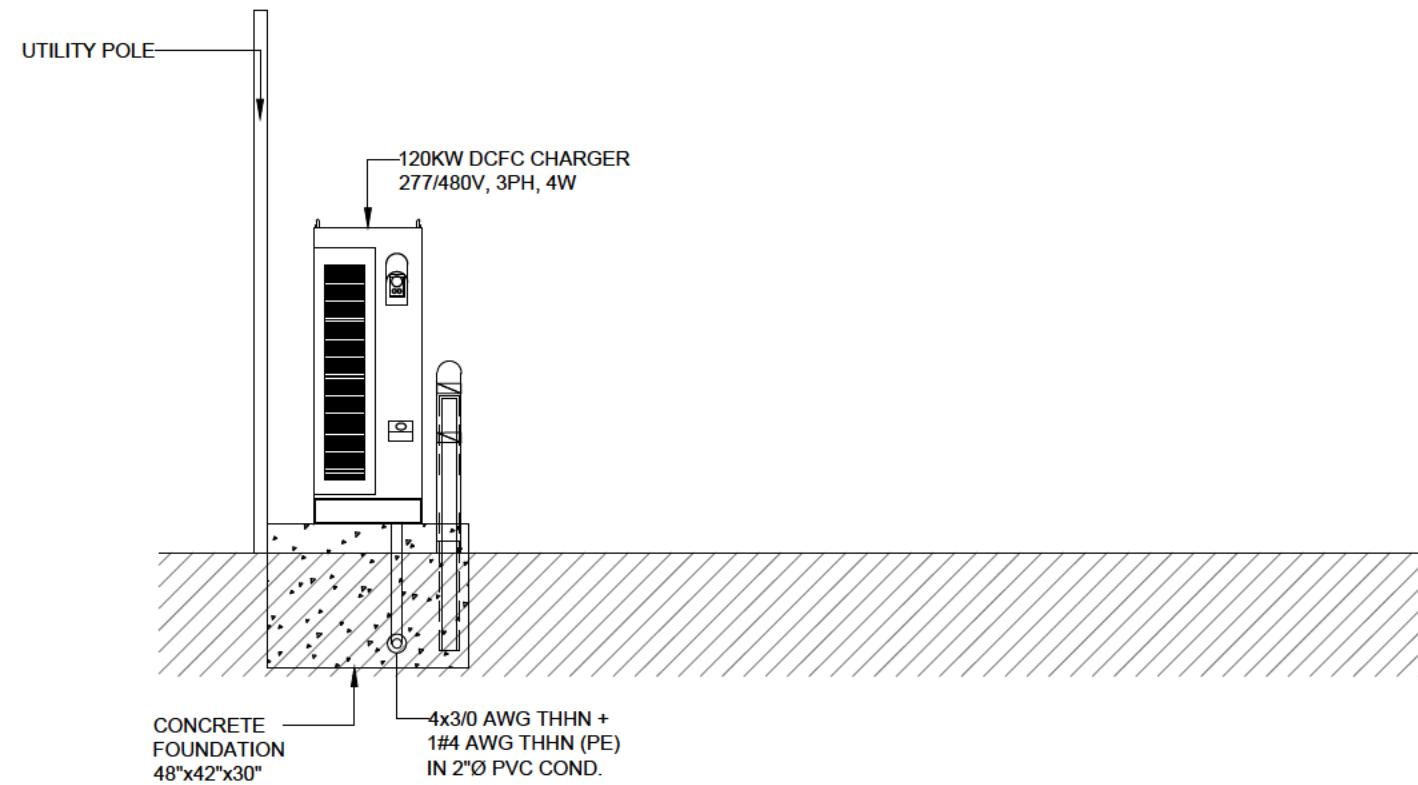
SIGN POST INSTALLATION DETAIL
SCALE: NTS

VACANT LOT
ELECTRIC VEHICLE CHARGING
NJ 08401, USA

REVISION DESCRIPTION		DATE	NO.
DATE :		08/09/2025	
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SHEET TITLE :		LOAD CALCULATION & SINGLE LINE DIAGRAM	
SHEET NUMBER :		E-104	
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FRONT ELEVATION
SCALE : NTS



SIDE ELEVATION
SCALE : NTS

VACANT LOT
ELECTRIC VEHICLE CHARGING
NJ 08401, USA

REVISION DESCRIPTION

DATE

NO.

DATE :

08/09/2025

PROJECT NUMBER :

SHEET TITLE :

ELEVATIONS

SHEET NUMBER :

E-105

PAGE NUMBER :

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Product			DATA SHEET
Name		Dry Type Transformer	
Type		150 KVA	
Manufacturer name		Jiangsu Tianhong Power Co., Ltd	
Product brand		T.H	
Manufacturer standard		GB/T10228-2007	
Rated power		150 kva	
Rated frequency		60 Hz	
Rated voltage	11V	210V single	
	1V	480V three	
Rated current	11V	625 A	
	1V	180.4 A	
Tapping range of high voltage		12*2.5%	
Coil Material		Copper	
Vector group		Dyn11	
Impedance		4%	
Cooling method		AN	
No load loss		545w	
Load loss		2358w	
No Load Current		6%	
Winding temperature rise		50K	
Maximum winding hotspot temperature rise		112K	
Ambient temperature for operation		25℃ ~45℃	
Noise level		<58 dB	
Type of installation		Indoor	
Level of insulation		IV	
Altitude		1000m	
Referenced Dimension information	Length	1000mm	
	Width	800mm	
	Height	990mm	
Referenced Weight information		850kg	
D.D. No.			

Data	Model	60kW	90kW	120kW
Electrical Specification	Input Voltage	480Vac Three-phase		
	Input Specification	3P+N+PE		
	Input Frequency	50/60Hz (±10%)		
	Output Voltage	200-1000Vdc		
	Output Current	125A	240A	250A
Electrical Parameter	Power Factor	≥0.99		
	Efficiency	≥95% (50%-100% load)		
	Stable Voltage Accuracy	≤±0.5%		
	Stable Current Accuracy	≤±1%		
Configuration	Inside Power Module	30kW*2	30kW*3	30kW*4
	Network	Ethernet / WIFI / 4G		
	Communication	OCPP 1.6 / OCPP 2.0.1 / TCP		
	Touch-Display	10" Daylight Readable		
	Payment Method	RFID / POS / OCPP		
Security	Multiple Protection	Over/Under Voltage Protection, Overload Protection, Short Circuit Protection, Over/Under Temperature Protection, Surge Protection, Communication Failure.		
	MTBF	100,000 hours		
	Protection Grade	Type 3R		
Working Environment	Operation Temp	-30°C to +50°C (-22°F to +122°F)		
	Working Humidity	5%-95% Without Condensation		
	Working Altitude	<2000m		
	Cooling Method	Fan Cooling		
Product	Cable Length	5m (standard)		
	Warranty	2 years		
	Dimension	850*550*1780mm		
	Net Weight	290kg	310kg	330kg
Optional	Adapters	CCS1 & CHAdeMO		

VACANT LOT

NJ 08401, USA

REVISION DESCRIPTION

DATE

NO.

DATE :

08/09/2025

PROJECT NUMBER :

SHEET TITLE :

SPEC SHEET

SHEET NUMBER :

E-106

PAGE NUMBER :

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