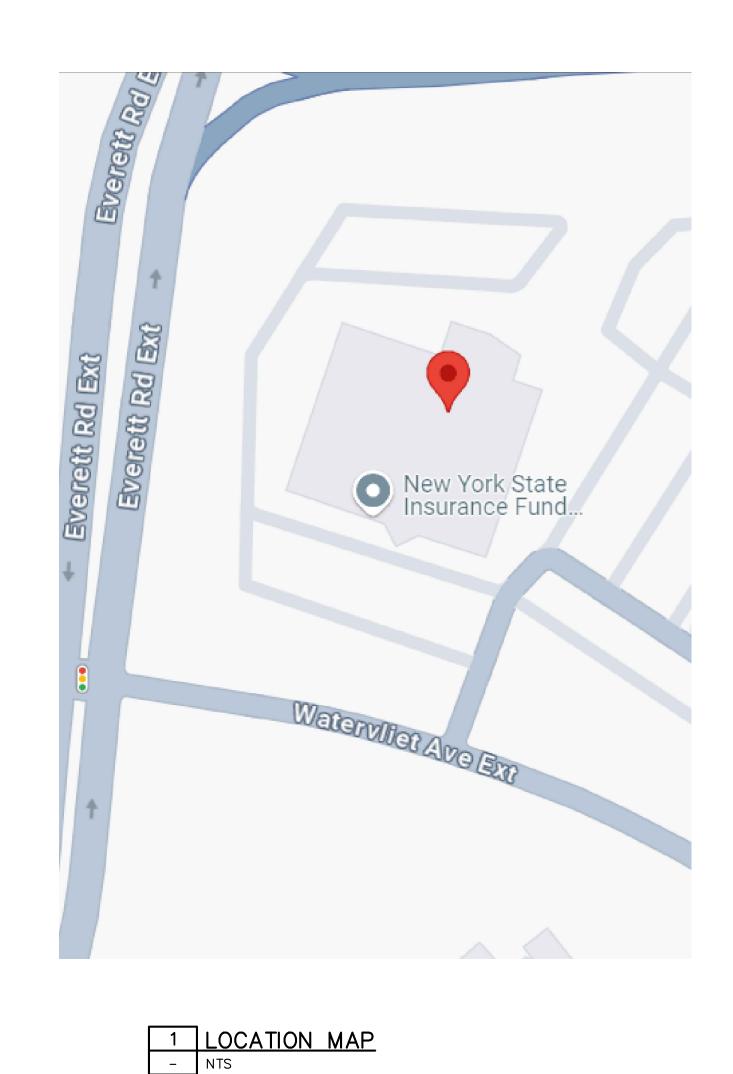
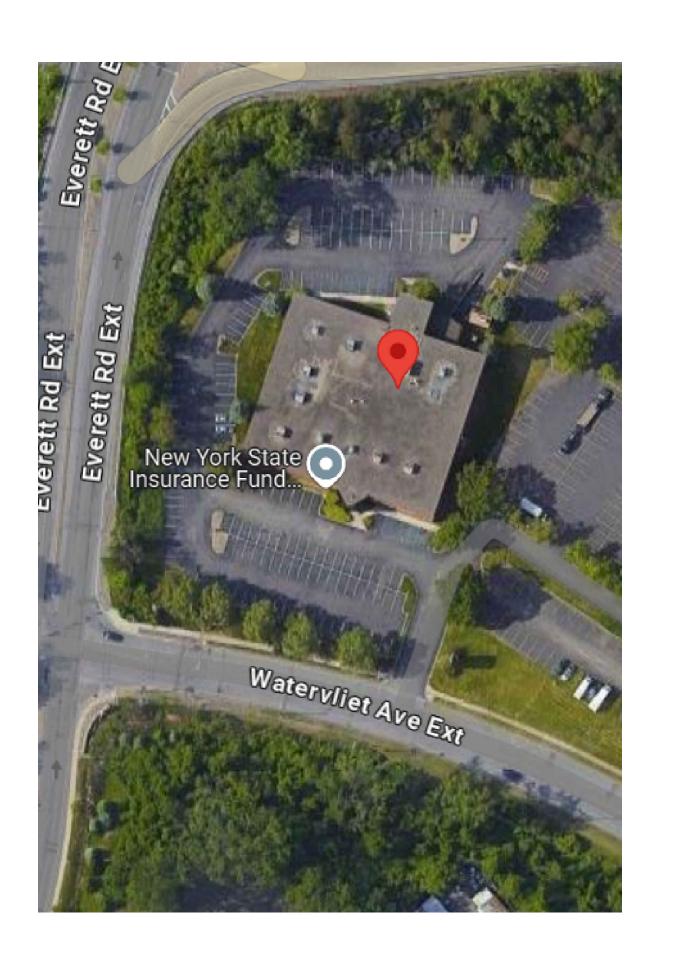
NYSIF -ALBANY EV CHARGER INSTALLATION 1 WATERVLIET AVENUE EXTENSION ALBANY, NY 12206

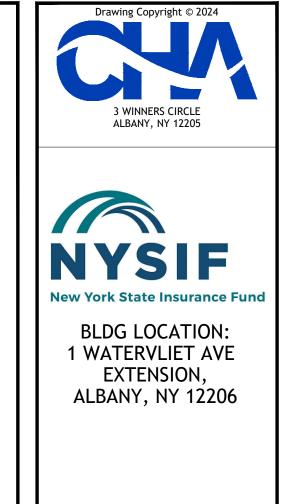
100% CONSTRUCTION DOCUMENTS MARCH 24, 2025

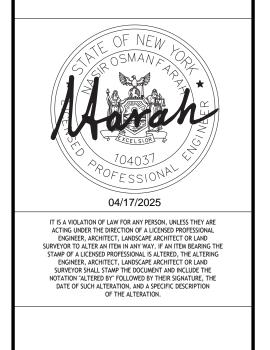


ELEC	TRICAL DRAWING LIST
G-001	COVER SHEET
E-001	ELECTRICAL LEGEND, ABBREVIATIONS, AND SYMBOLS
E-101	ELECTRICAL SITE PLAN,RISER DIAGRAM,PANEL SCHEDULE
E-701	ELECTRICAL DETAILS



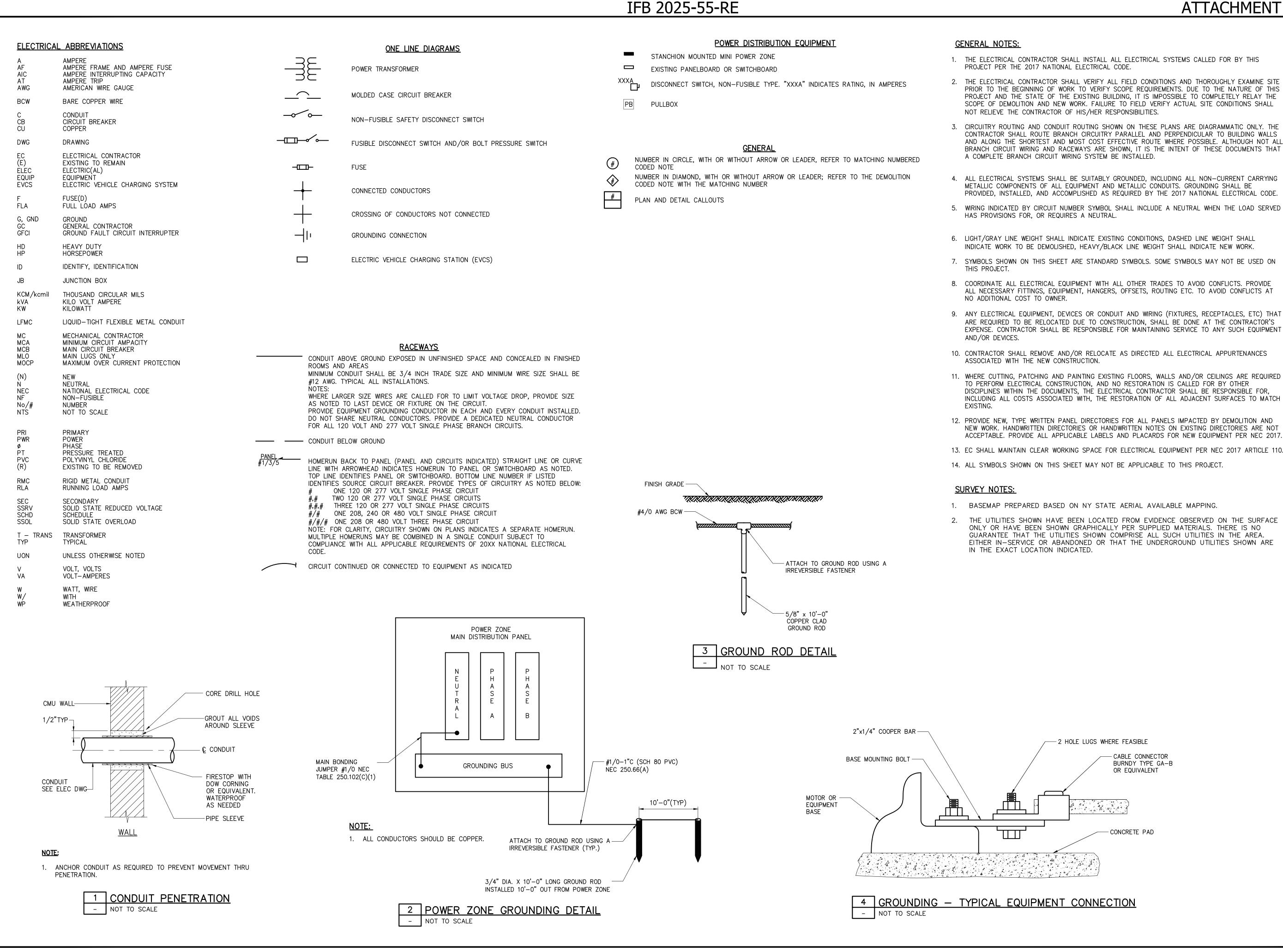






No.	Submittal / Revision	Apv	Ву	Date
Λ	100% CONSTRUCTION DOCUMENTS	PR	LG	3/24/25
	ELECT COVER			_

esigned by.	Diawii by.	Checked by
PMR	LG	NF
ssue Date:	Project No.:	Scale:
3/24/25	089834	AS SHOWN
	Drawing No.:	



ATTACHMENT 4 - DRAWINGS

Drawing Copyright © 2024

3 WINNERS CIRCLE
ALBANY, NY 12205



BLDG LOCATION: 1 WATERVLIET AVE EXTENSION, ALBANY, NY 12206

OF NEW
OSMAN

ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND

JRVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING TH

STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND

SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE

NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No. Submittal / Revision Apv By Date

100%
CONSTRUCTION
DOCUMENTS

PR LG 3/24/25

ELECTRICAL LEGEND, ABBREVIATIONS AND SYMBOLS

Drawn By: Checked By

PMR LG NF

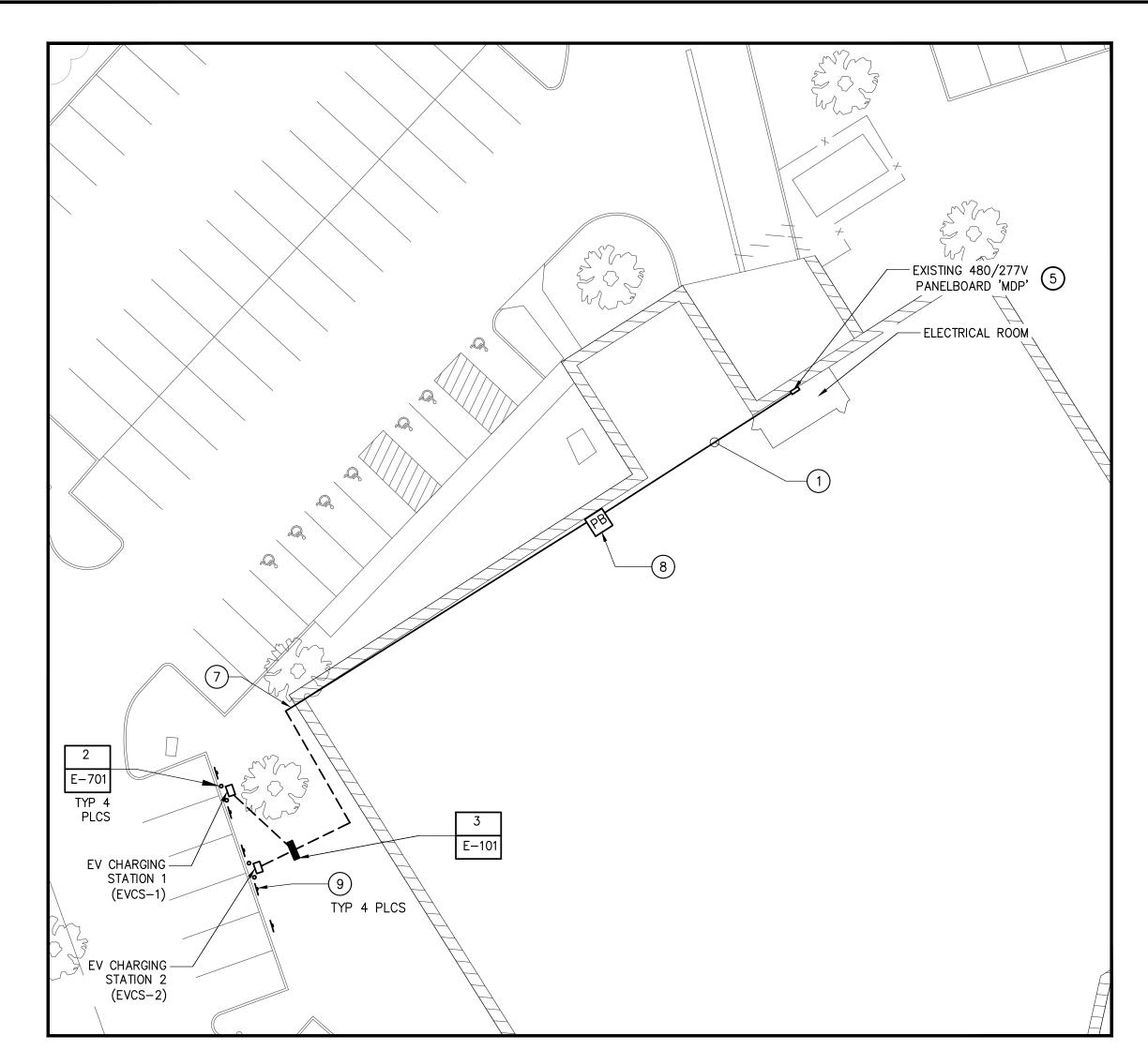
Issue Date: Project No.: Scale:

3/24/25 089834 AS SHOWN

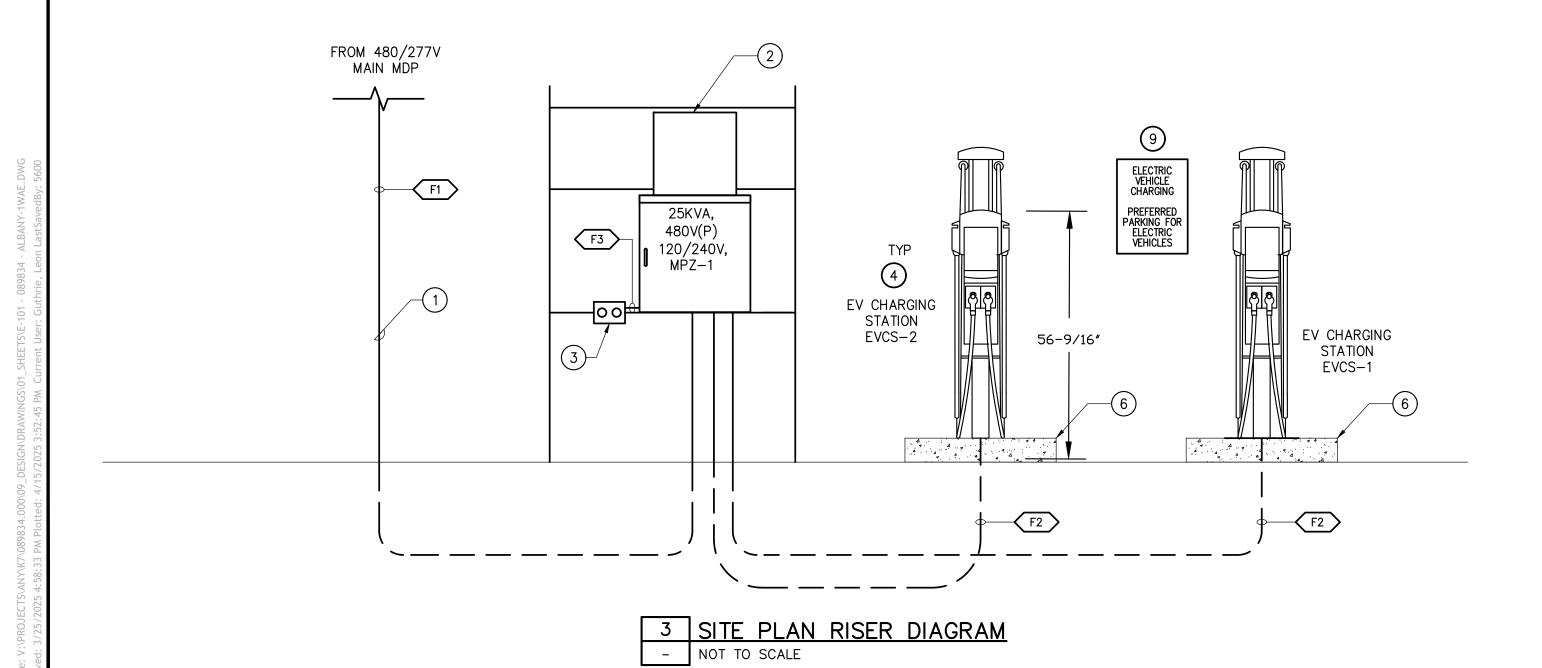
Drawing No.: E-001

Page 2 of 8

Sheet 02 of 04



1 PARTIAL ELECTRICAL SITE PLAN
- 1"=20'-0"





GENERAL NOTES:

- 1. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND THOROUGHLY EXAMINE SITE PRIOR TO THE BEGINNING OF WORK TO VERIFY SCOPE REQUIREMENTS. FAILURE TO FIELD VERIFY ACTUAL SITE CONDITIONS SHALL NOT RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITIES.
- 2. ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
- 3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE INSTALLATION FOR ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS. ALL INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE PROJECT DRAWINGS AND WITH APPLICABLE ARTICLES IN THE NATIONAL ELECTRICAL CODE 2017. IF A CONFLICT EXISTS BETWEEN THE CONSTRUCTION DOCUMENTS AND THE NEC, STATE OR LOCAL CODES, THE MORE STRINGENT OF THESE REQUIREMENTS SHALL APPLY.
- 4. PROVIDE EXCAVATION AND BACKFILL COMPLETE FOR ALL UNDERGROUND CONDUIT INSTALLATIONS PER DETAIL 2/E-701. LOCATE EXISTING UNDERGROUND UTILITIES TO AVOID CONFLICT WITH EXISTING PIPES, CONDUITS, ETC. SITE REPAIR BY OTHER TRADES.
- 5. CALL BEFORE YOU DIG. LOCATE ALL EXISTING UNDERGROUND PIPES, CONDUITS, STRUCTURES, ETC. PRIOR TO EXCAVATIONS.
- 6. PROVIDE RIGID PVC, TYPE SCHEDULE 40 FOR ALL UNDERGROUND CONDUIT INSTALLATIONS.
- 7. PROVIDE RIDGID METAL CONDUIT (RMC) FOR ALL ABOVE GROUND CONDUIT INSTALLATIONS.
- 8. DISPOSE OF ALL CONSTRUCTION TRASH OFF SITE IN A LEGAL MANNER.

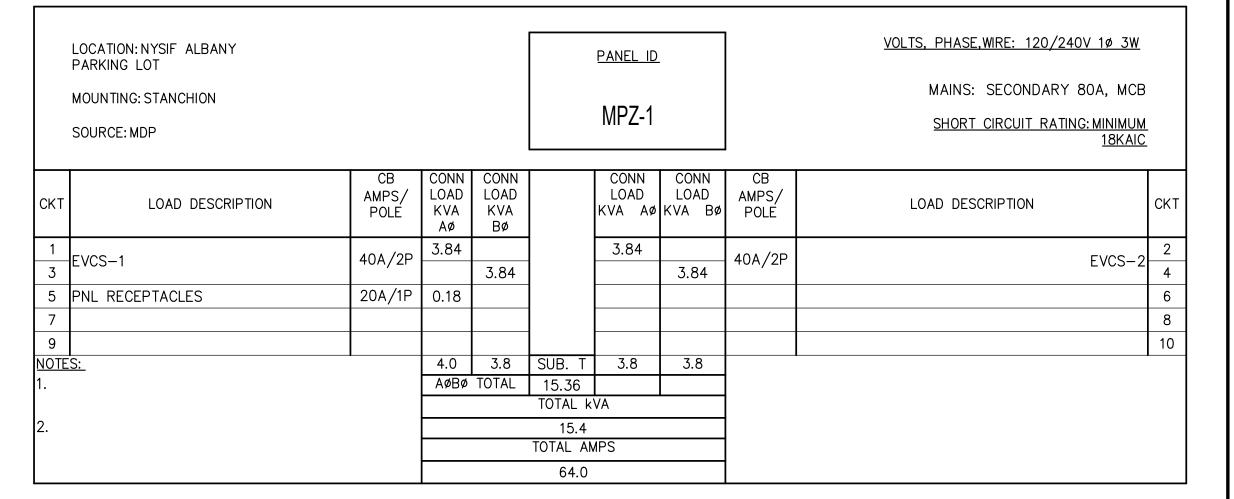
NEW WORK CODED NOTES

- PROVIDE 1-1/2"C, W/(3)#4+8G FROM EXISTING 480V, MAIN DISTRIBUTION PANEL. RUN CONDUIT AT CEILING HEIGHT, ENTERING CORRIDOR ABOVE SUSPENDED CEILING TO BUILDING CORNER.
- SUSPENDED CEILING TO BUILDING CORNER.

 PROVIDE EATONS 25KVA— SINGLE PHASE,480V
 PRIMARY, 120/240V SECONDARY, MINI POWER
 ZONE 'MPZ—1', NEMA 3R ENCLOSURE OR EQUAL.
- 3 PROVIDE 'WR' RATED GFI RECEPTACLE WITH WEATHERPROOF COVER.

SEE PANEL SCHEDULE.

- PROVIDE DUAL PORT EV CHARGER CHARGEPOINT MODEL CP6000 WITH POWER SELECT OPION 32A OR EQUAL. CHARGER MUST BE WEX COMPATIBLE. PROVIDE CONCRETE PAD FOUNDATION.
- 5 PROVIDE A 70/2P BREAKER IN PANEL SPACE TO POWER MINI POWER ZONE 'MPZ-1'.
- 6 SEE DETAIL 4 ON DRAWING E-701 FOR CONCRETE PAD INFORMATION.
- CONDUIT TO PENETRATE BUILDING EXTERIOR AT CEILING HEIGHT THEN DROP DOWN TO GRADE AND ROUTE UNDERGROUND TO STANCHION MOUNTED POWER ZONE.
- 8 PROVIDE PULLBOXES AS REQUIRED PER NEC CODE.
- 9 PROVIDE POST MOUNTED SIGN ADJACENT TO EACH CHARGER. SEE DETAIL 5 ON DRAWING E-701 FOR INSTALLATION INFORMATION.



2 EVP-1 PANEL SCHEDULE
- NOT TO SCALE

	FEEDER SCHEDULE	
TAG	DESCRIPTION	REMARKS
(F1)	PROVIDE 1 1/2"C, w/(3)#4+#8G	
F2	PROVIDE 3/4"C, w/(2)#8+#10G	
F3	PROVIDE 3/4"C, w/(2)#12+#12G	

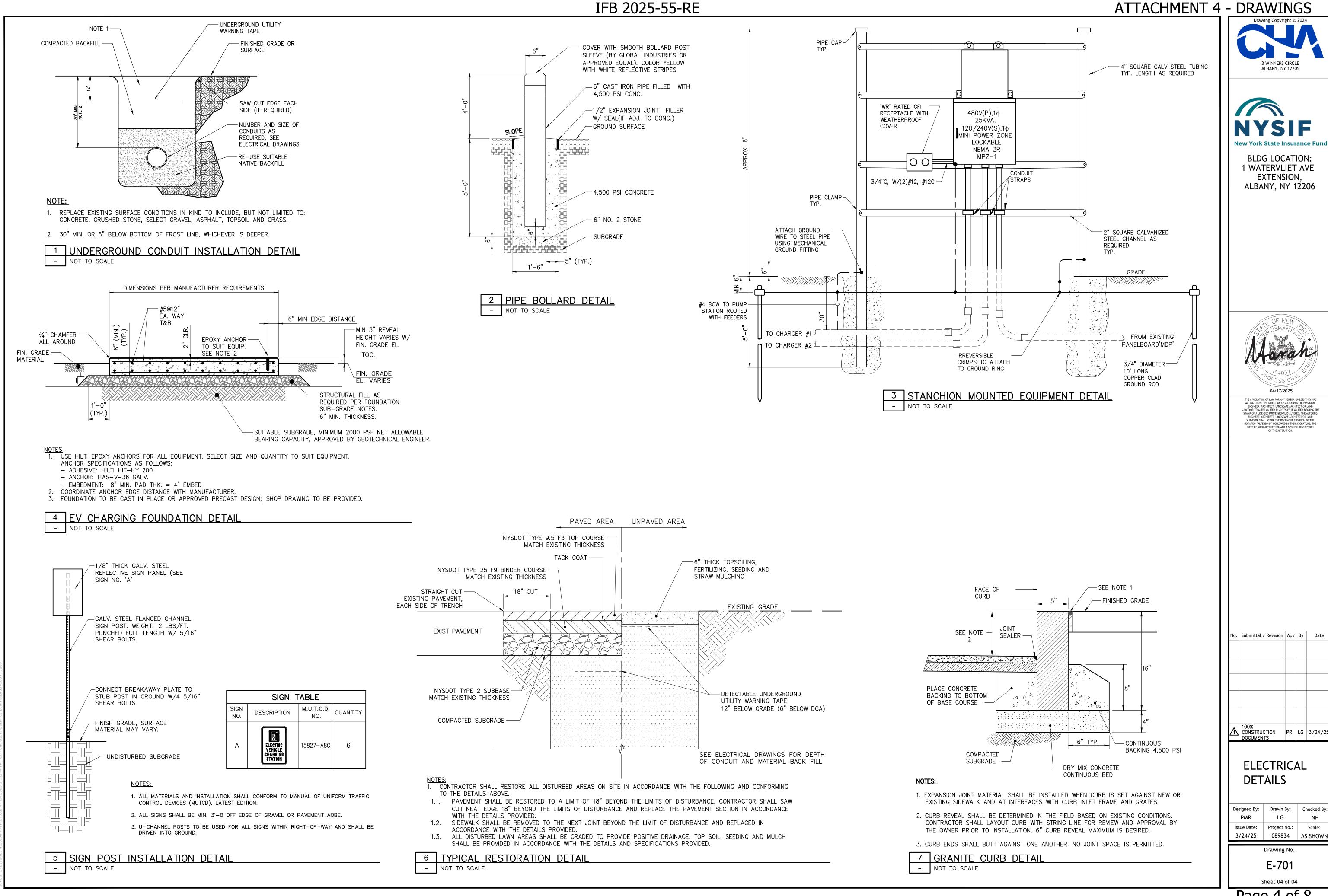
4 FEEDER SCHEDULE

- NOT TO SCALE



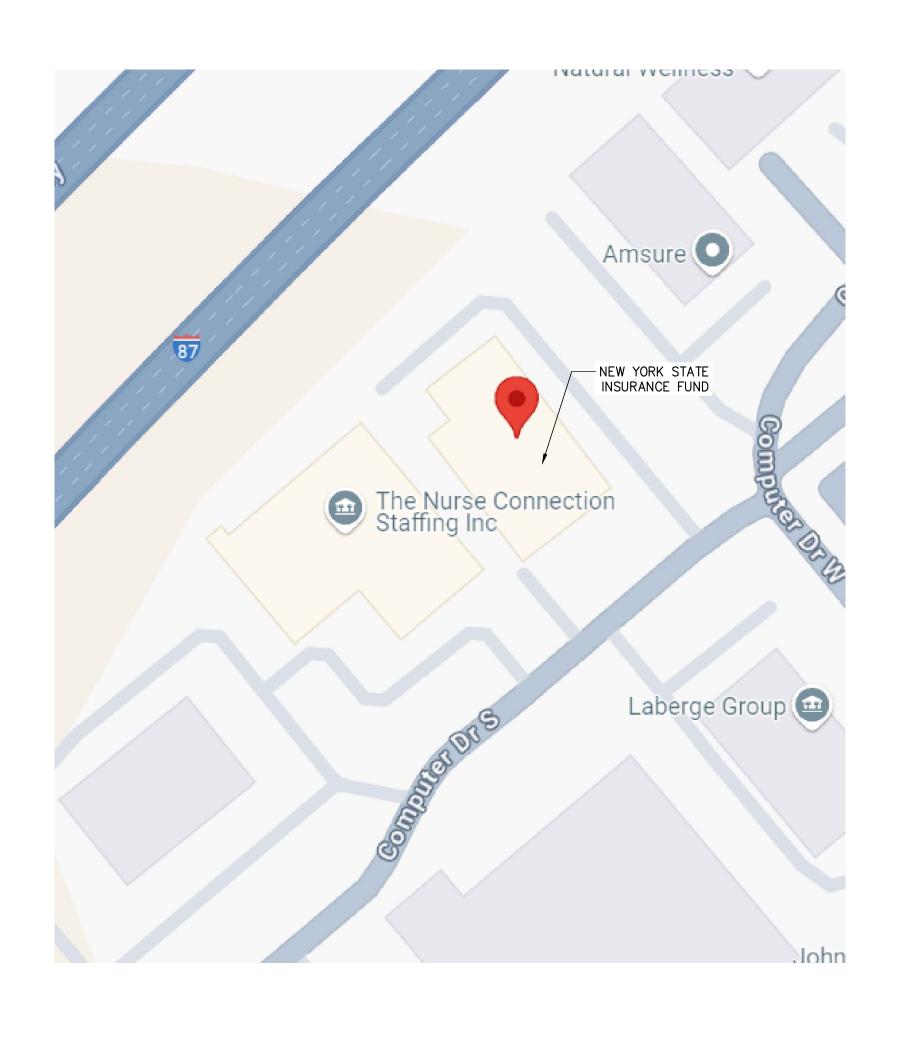
GRAPHIC SCALE (FEET)

E-101



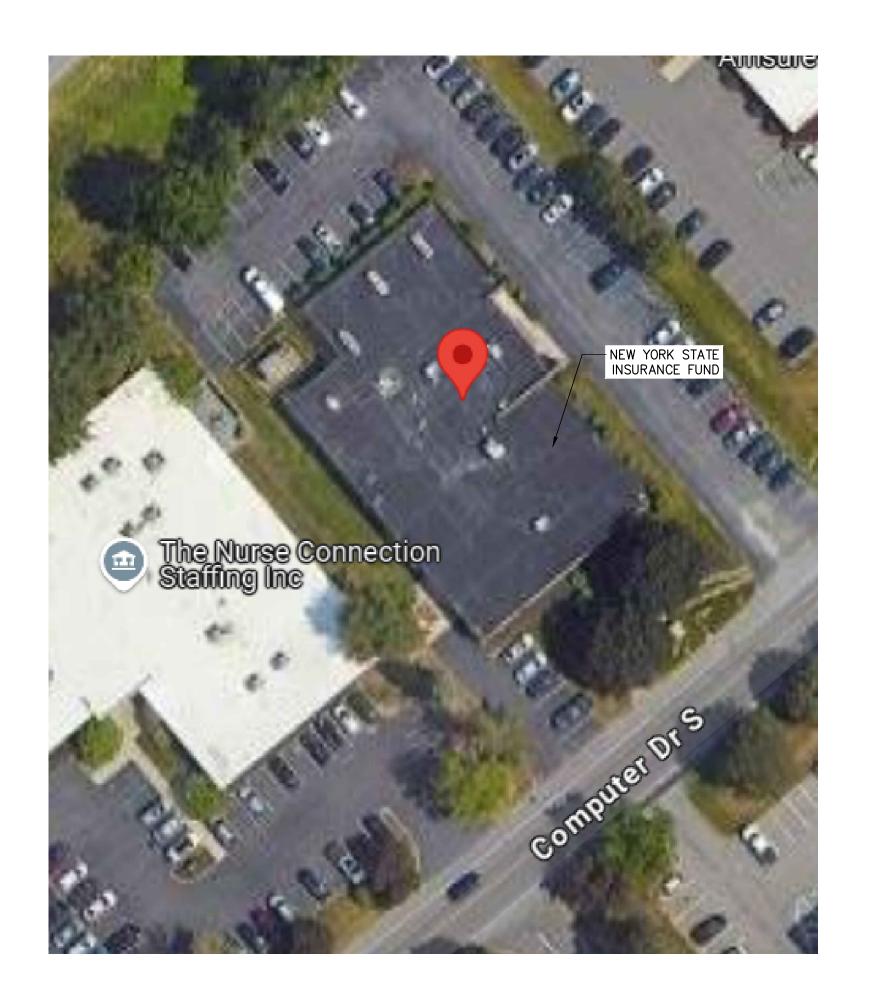
NYSIF -ALBANY EV CHARGER INSTALLATION 8 COMPUTER DRIVE WEST ALBANY, NY 12205

100% CONSTRUCTION DOCUMENTS MARCH 24, 2025



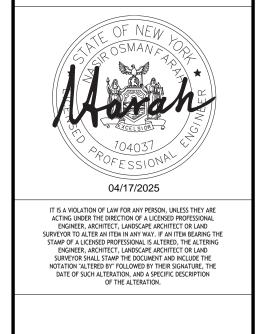
1 LOCATION MAP
- NTS

ELEC	TRICAL DRAWING LIST
G-001	COVER SHEET
E-001	ELECTRICAL LEGEND, ABBREVIATIONS, AND SYMBOLS
E-101	ELECTRICAL SITE PLAN & RISER DIAGRAM
E-701	ELECTRICAL DETAILS









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ELECTRICAL
COVER SHEET

	Designed By:	Drawn By:	
	PMR	LG	
	Issue Date:	Project No.:	
	3/24/25	089834	
li			_

Drawing No.: G-001

UNLESS OTHERWISE NOTED

VOLT, VOLTS VOLT-AMPERES

WATT, WIRE

WEATHERPROOF

CIRCUIT CONTINUED OR CONNECTED TO EQUIPMENT AS INDICATED

POWER DISTRIBUTION EQUIPMENT SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON EXISTING PANELBOARD OR SWITCHBOARD

DISCONNECT SWITCH, NON-FUSIBLE TYPE. "XXXA" INDICATES RATING, IN AMPERES

JUNCTION BOX

GENERAL

NUMBER IN CIRCLE, WITH OR WITHOUT ARROW OR LEADER, REFER TO MATCHING NUMBERED

NUMBER IN DIAMOND, WITH OR WITHOUT ARROW OR LEADER; REFER TO THE DEMOLITION CODED NOTE WITH THE MATCHING NUMBER

PLAN AND DETAIL CALLOUTS

IFB 2025-55-RE

GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL ELECTRICAL SYSTEMS CALLED FOR BY THIS PROJECT PER THE 2017 NATIONAL ELECTRICAL CODE.

2. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND THOROUGHLY EXAMINE SITE PRIOR TO THE BEGINNING OF WORK TO VERIFY SCOPE REQUIREMENTS. DUE TO THE NATURE OF THIS PROJECT AND THE STATE OF THE EXISTING BUILDING, IT IS IMPOSSIBLE TO COMPLETELY RELAY THE SCOPE OF DEMOLITION AND NEW WORK. FAILURE TO FIELD VERIFY ACTUAL SITE CONDITIONS SHALL NOT RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITIES.

3. CIRCUITRY ROUTING AND CONDUIT ROUTING SHOWN ON THESE PLANS ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL ROUTE BRANCH CIRCUITRY PARALLEL AND PERPENDICULAR TO BUILDING WALLS AND ALONG THE SHORTEST AND MOST COST EFFECTIVE ROUTE WHERE POSSIBLE. ALTHOUGH NOT ALL BRANCH CIRCUIT WIRING AND RACEWAYS ARE SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.

4. ALL ELECTRICAL SYSTEMS SHALL BE SUITABLY GROUNDED, INCLUDING ALL NON-CURRENT CARRYING METALLIC COMPONENTS OF ALL EQUIPMENT AND METALLIC CONDUITS. GROUNDING SHALL BE PROVIDED, INSTALLED, AND ACCOMPLISHED AS REQUIRED BY THE 2017 NATIONAL ELECTRICAL CODE.

5. WIRING INDICATED BY CIRCUIT NUMBER SYMBOL SHALL INCLUDE A NEUTRAL WHEN THE LOAD SERVED HAS PROVISIONS FOR, OR REQUIRES A NEUTRAL.

6. LIGHT/GRAY LINE WEIGHT SHALL INDICATE EXISTING CONDITIONS, DASHED LINE WEIGHT SHALL INDICATE WORK TO BE DEMOLISHED, HEAVY/BLACK LINE WEIGHT SHALL INDICATE NEW WORK.

7. SYMBOLS SHOWN ON THIS SHEET ARE STANDARD SYMBOLS. SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT.

8. COORDINATE ALL ELECTRICAL EQUIPMENT WITH ALL OTHER TRADES TO AVOID CONFLICTS. PROVIDE ALL NECESSARY FITTINGS, EQUIPMENT, HANGERS, OFFSETS, ROUTING ETC. TO AVOID CONFLICTS AT NO ADDITIONAL COST TO OWNER.

9. ANY ELECTRICAL EQUIPMENT, DEVICES OR CONDUIT AND WIRING (FIXTURES, RECEPTACLES, ETC) THAT ARE REQUIRED TO BE RELOCATED DUE TO CONSTRUCTION, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICE TO ANY SUCH EQUIPMENT AND/OR DEVICES.

10. CONTRACTOR SHALL REMOVE AND/OR RELOCATE AS DIRECTED ALL ELECTRICAL APPURTENANCES ASSOCIATED WITH THE NEW CONSTRUCTION.

11. WHERE CUTTING, PATCHING AND PAINTING EXISTING FLOORS, WALLS AND/OR CEILINGS ARE REQUIRED TO PERFORM ELECTRICAL CONSTRUCTION, AND NO RESTORATION IS CALLED FOR BY OTHER DISCIPLINES WITHIN THE DOCUMENTS, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR, INCLUDING ALL COSTS ASSOCIATED WITH, THE RESTORATION OF ALL ADJACENT SURFACES TO MATCH EXISTING.

12. PROVIDE NEW, TYPE WRITTEN PANEL DIRECTORIES FOR ALL PANELS IMPACTED BY DEMOLITION AND NEW WORK. HANDWRITTEN DIRECTORIES OR HANDWRITTEN NOTES ON EXISTING DIRECTORIES ARE NOT ACCEPTABLE. PROVIDE ALL APPLICABLE LABELS AND PLACARDS FOR NEW EQUIPMENT PER NEC 2017.

13. EC SHALL MAINTAIN CLEAR WORKING SPACE FOR ELECTRICAL EQUIPMENT PER NEC 2017 ARTICLE 110.

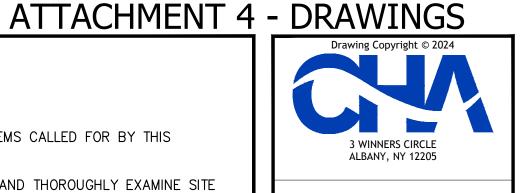
14. ALL SYMBOLS SHOWN ON THIS SHEET MAY NOT BE APPLICABLE TO THIS PROJECT.

SURVEY NOTES:

1. BASEMAP PREPARED BASED ON NY STATE AERIAL AVAILABLE MAPPING.

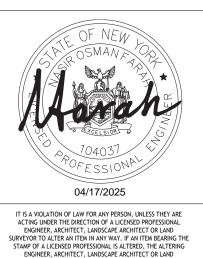
2. THE UTILITIES SHOWN HAVE BEEN LOCATED FROM EVIDENCE OBSERVED ON THE SURFACE ONLY OR HAVE BEEN SHOWN GRAPHICALLY PER SUPPLIED MATERIALS. THERE IS NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. EITHER IN-SERVICE OR ABANDONED OR THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.







BLDG LOCATION: 8 COMPUTER DRIVE WEST **ALBANY, NY 12205**



SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

. | Submittal / Revision | Apv | By | Date 100% CONSTRUCTION PR LG 3/24/25

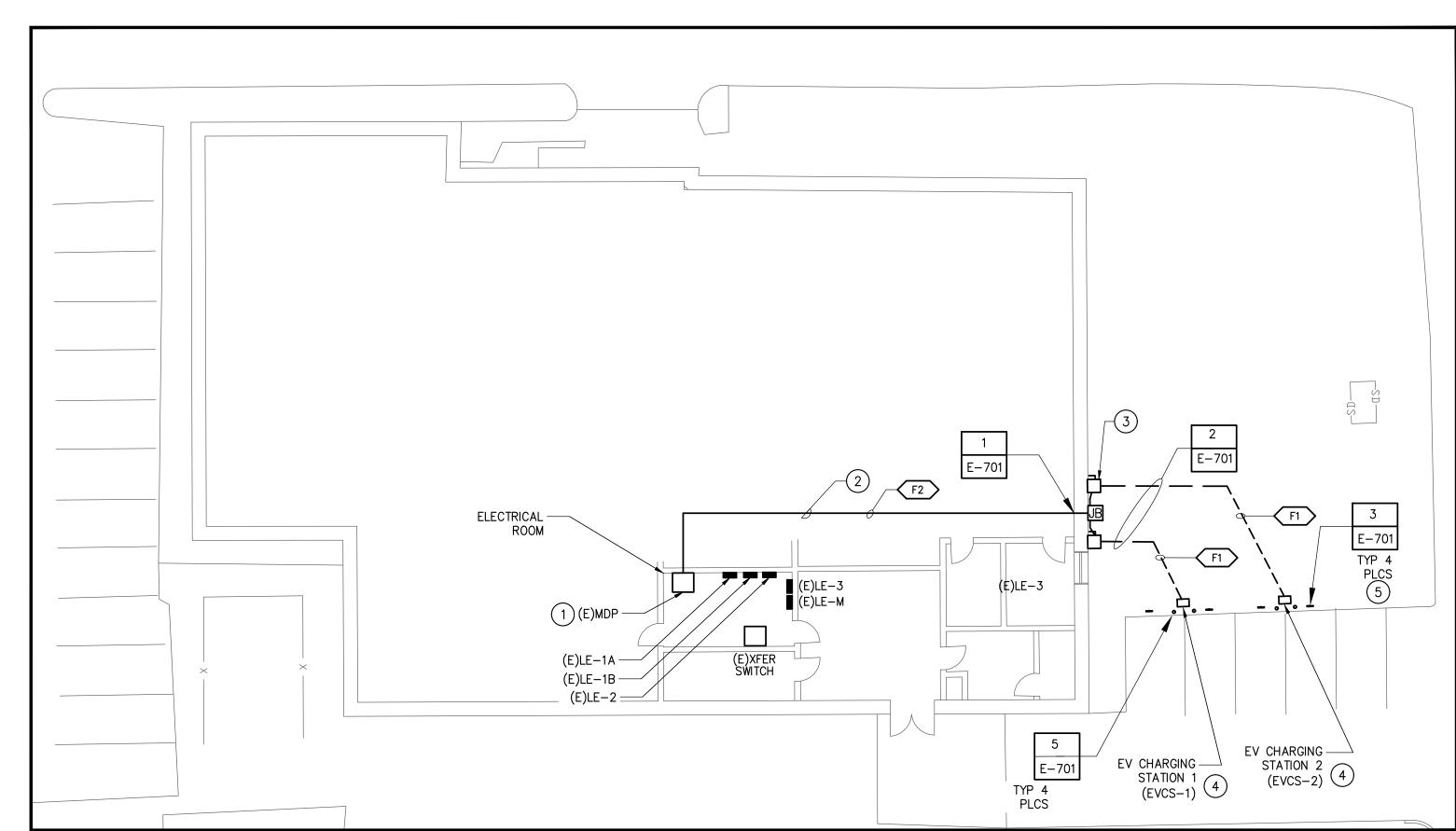
ELECTRICAL LEGEND, **ABBREVIATIONS AND SYMBOLS**

Drawn By: 3/24/25 089834 AS SHOWN

Drawing No.: E-001

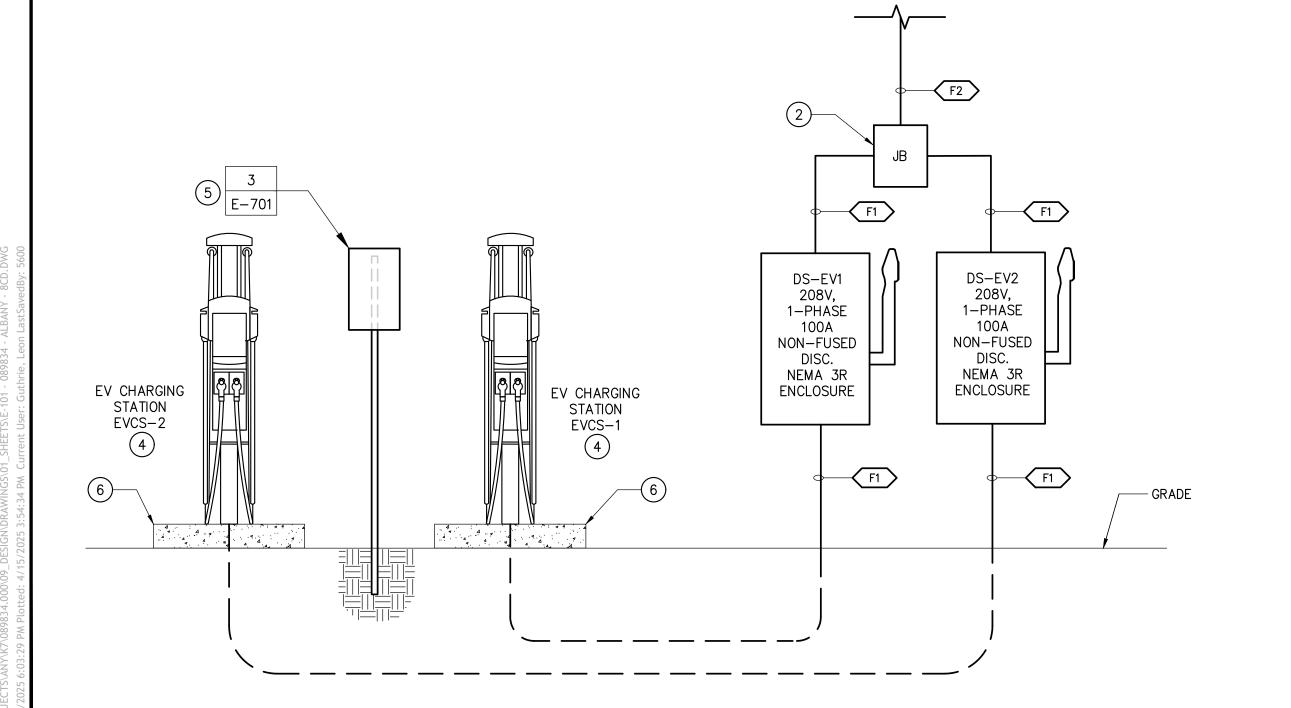
Sheet 02 of 04

Page 6 of 8



FROM EXISTING MDP SEE PLAN ABOVE FOR CONTINUATION

1 PARTIAL ELECTRICAL SITE PLAN



2 SITE PLAN RISER DIAGRAM

NOT TO SCALE

	FEEDER SCHEDULE		
TAG	DESCRIPTION	REMARKS	
F1	PROVIDE 1"C, w/(2)#3+#8G		
(F2)	PROVIDE 1-1/4"C, w/(4)#3+#8G		

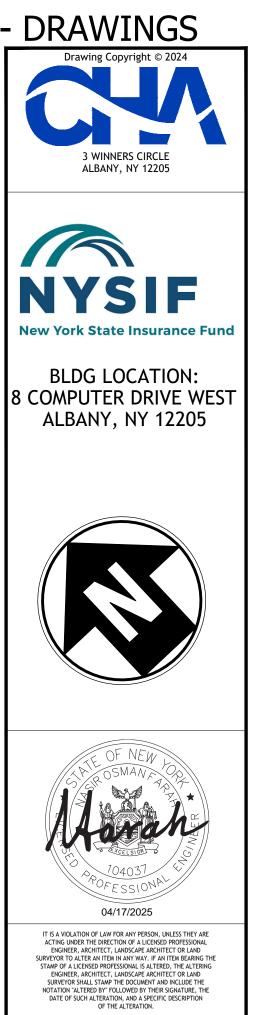
3 FEEDER SCHEDULE- NOT TO SCALE

GENERAL NOTES:

- 1. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND THOROUGHLY EXAMINE SITE PRIOR TO THE BEGINNING OF WORK TO VERIFY SCOPE REQUIREMENTS. FAILURE TO FIELD VERIFY ACTUAL SITE CONDITIONS SHALL NOT RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITIES.
- 2. ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
- 3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE INSTALLATION FOR ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS. ALL INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE PROJECT DRAWINGS AND WITH APPLICABLE ARTICLES IN THE NATIONAL ELECTRICAL CODE 2017. IF A CONFLICT EXISTS BETWEEN THE CONSTRUCTION DOCUMENTS AND THE NEC, STATE OR LOCAL CODES, THE MORE STRINGENT OF THESE REQUIREMENTS SHALL APPLY.
- 4. PROVIDE EXCAVATION AND BACKFILL COMPLETE FOR ALL UNDERGROUND CONDUIT INSTALLATIONS PER DETAIL 2/E-001. LOCATE EXISTING UNDERGROUND UTILITIES TO AVOID CONFLICT WITH EXISTING PIPES, CONDUITS, ETC. SITE REPAIR BY OTHER TRADES.
- 5. CALL BEFORE YOU DIG. LOCATE ALL EXISTING UNDERGROUND PIPES, CONDUITS, STRUCTURES, ETC. PRIOR TO EXCAVATIONS.
- 6. PROVIDE RIGID PVC, TYPE SCHEDULE 40 FOR ALL UNDERGROUND CONDUIT INSTALLATIONS.
- 7. PROVIDE RIDGID METAL CONDUIT (RMC) FOR ALL ABOVE GROUND CONDUIT INSTALLATIONS.

8. DISPOSE OF ALL CONSTRUCTION TRASH OFF SITE IN A LEGAL MANNER.

- NEW WORK CODED NOTES
- EXISTING 208/120V, 1600A, 3-PHASE, 4W MAIN DISTRIBUTION PANEL PROVIDE (2) 100A/2P BREAKERS TO FEED POWER TO EACH EV CHARGER.
- 2 RUN CONDUIT ABOVE CEILING TO JUNCTION BOX ON EXTERIOR WALL.
- MOUNT JUNCTION BOX AT CEILING HEIGHT ON EXTERIOR WALL. CONDUITS TO DROP DOWN EXTERIOR WALL TO CORRESPONDING DISCONNECTS.
- PROVIDE DUAL PORT EV CHARGER CHARGEPOINT MODEL CP6000 WITH POWER SELECT OPTION 80A OR EQUAL. CHARGER MUST BE WEX COMPATIBLE. PROVIDE CONCRETE PAD FOUNDATION.
- 5 PROVIDE POST MOUNTED SIGNAGE AS REQUIRED. SEE DETAIL 3 ON DRAWING E-701 FOR INSTALLATION INFORMATION.
- 6 SEE DETAIL 4 ON E-701 FOR INFORMATION ON CONCRETE PAD.



No. Submittal / Revision | Apv | By | Date |

↑ 100% CONSTRUCTION | PR | LG | 3/24/25 |

ELECTRICAL | SITF PI AN AND

SITE PLAN AND RISER DIAGRAM

Designed By: Drawn By: Checked By:

PMR LG NF

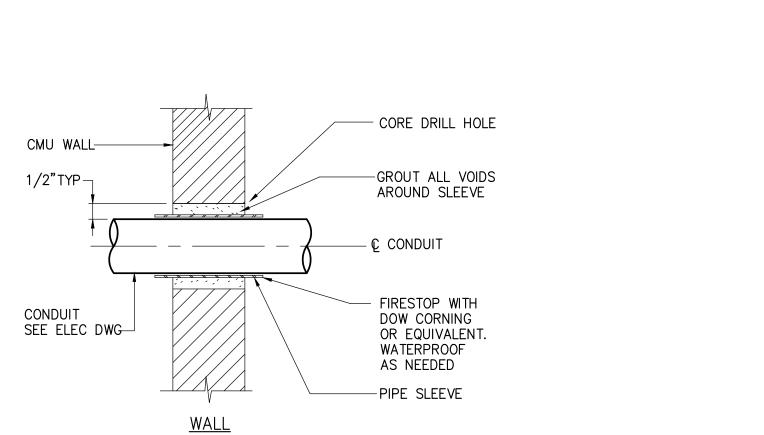
Issue Date: Project No.: Scale:

3/24/25 089834 AS SHOWN

GRAPHIC SCALE (FEET)

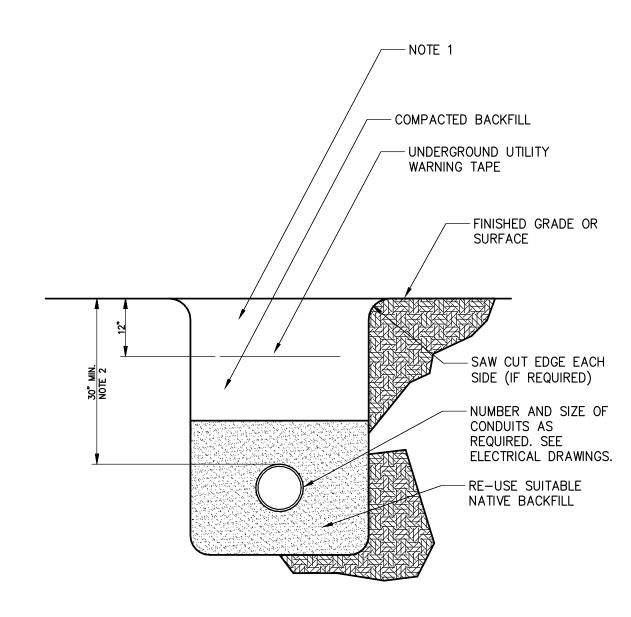
Drawing No.:
E-101
Sheet 03 of 04

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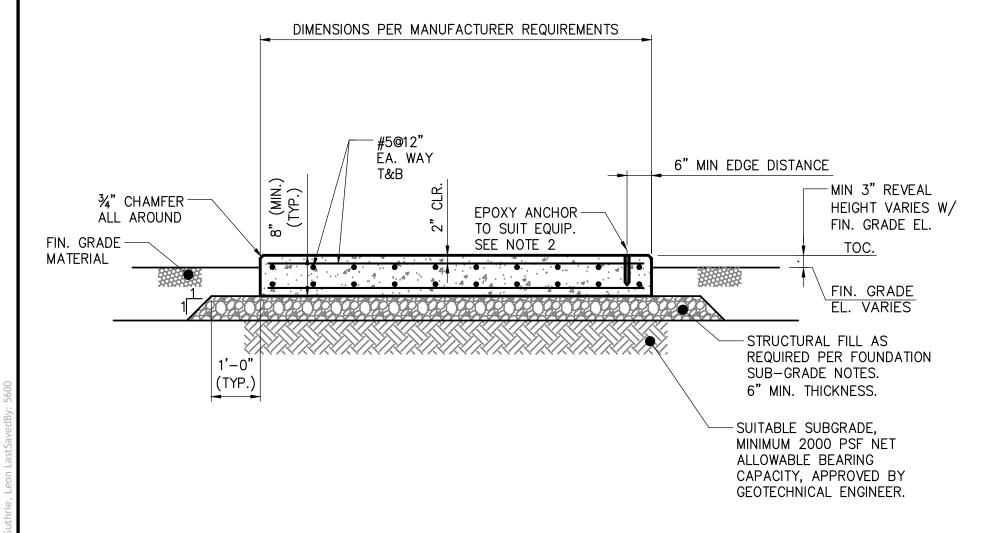
1. ANCHOR CONDUIT AS REQUIRED TO PREVENT MOVEMENT THRU PENETRATION.

> 1 CONDUIT PENETRATION - NOT TO SCALE

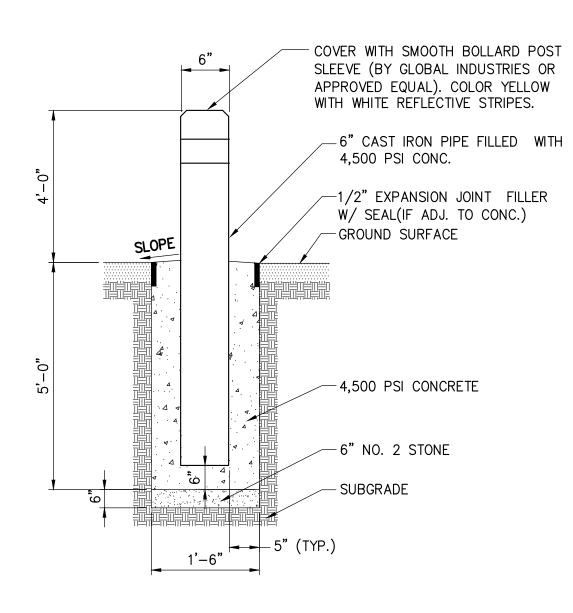


- 1. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL AND GRASS.
- 2. 30" MIN. OR 6" BELOW BOTTOM OF FROST LINE, WHICHEVER IS DEEPER.

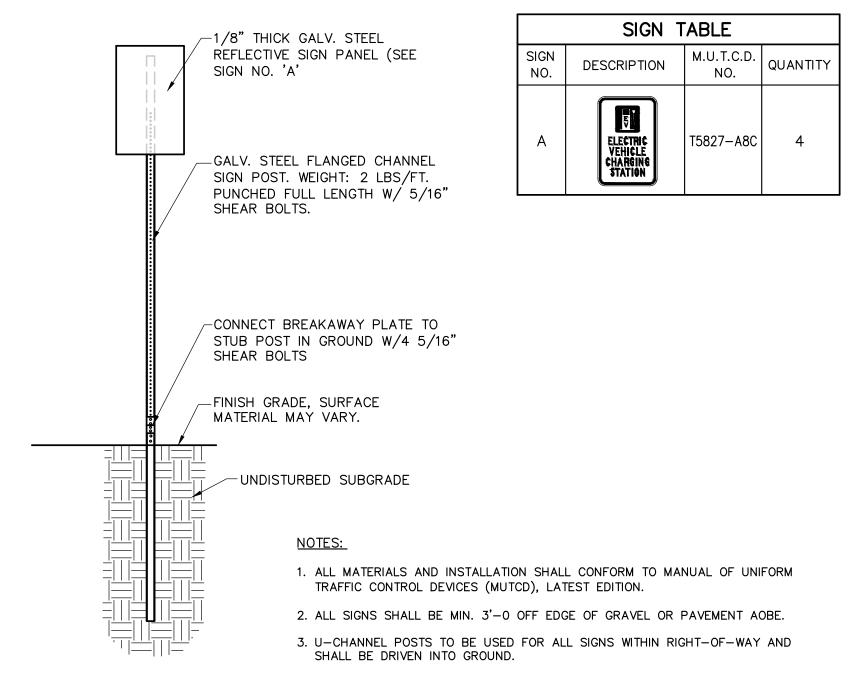
2 UNDERGROUND CONDUIT INSTALLATION DETAIL NOT TO SCALE



- 1. USE HILTI EPOXY ANCHORS FOR ALL EQUIPMENT. SELECT SIZE AND QUANTITY TO SUIT EQUIPMENT. ANCHOR
- SPECIFICATIONS AS FOLLOWS: - ADHESIVE: HILTI HIT-HY 200
- ANCHOR: HAS-V-36 GALV.
- EMBEDMENT: 8" MIN. PAD THK. = 4" EMBED 2. COORDINATE ANCHOR EDGE DISTANCE WITH MANUFACTURER.
- 3. FOUNDATION TO BE CAST IN PLACE OR APPROVED PRECAST DESIGN; SHOP DRAWING TO BE PROVIDED.
 - 4 EV CHARGING FOUNDATION DETAIL NOT TO SCALE



5 PIPE BOLLARD DETAIL



3 SIGN POST INSTALLATION DETAIL

NOT TO SCALE

