

# volta

## THE GIANT COMPANY 6106 NEW HOPE

6542 LOGAN SQUARE  
NEW HOPE, PA 18938

# volta

155 DE HARO STREET  
SAN FRANCISCO, CA 94103



EV CHARGING INSTALLERS  
OF AMERICA, LLC

1214 Rte 23, Bld B  
Wantage, NJ 07461  
Phone: 855-373-9566



| REV | DATE     | DESCRIPTION             | DRN BY | CHK BY |
|-----|----------|-------------------------|--------|--------|
| A   | 05/21/22 | CD50                    | MM     |        |
| B   | 06/07/22 | CREATE ACCESSIBLE STALL | MM     |        |
| C   | 08/03/22 | CD100                   | MM     |        |

| ITEM | TASK   | YES | NO | N/A |
|------|--|-----|----|-----|
| 1    | CONTACT 811 UTILITY PRIOR TO EXCAVATION WORK   |     |    |     |
| 2    | NOTIFY EVCIA OF ANY DISCREPANCIES W/ PLANS OR POTENTIAL CONFLICTS                              |     |    |     |
| 3    | VERIFY ALL FIELD CONDITIONS PRIOR TO START OF CONSTRUCTION IN ACCORDANCE WITH THESE PLANS.     |     |    |     |
| 4    | INSTALL WORK AREA PROTECTION MEASURES.   |     |    |     |
| 5    | FIELD LOCATE EXISTING UTILITIES AND CROSSINGS & VERIFY NO CONFLICTS W/PROPOSED INFRASTRUCTURE. |     |    |     |
| 6    | FIELD VERIFY ALL STALL DIMENSIONS AND EQUIPMENT LOCATIONS.                                     |     |    |     |
| 7    | CONFIRM ALL ADA AND LOCAL REQUIREMENTS ARE MET.  |     |    |     |
| 8    | ESTABLISH TEMPORARY CONSTRUCTION ACCESS(ES).   |     |    |     |
| 9    | IMPLEMENT AND MAINTAIN EPSC CONTROL MEASURES PER LOCAL REQUIREMENTS.                           |     |    |     |
| 10   | LOCATE VERTICAL AND HORIZONTAL UTILITIES PRIOR TO BORING.                                      |     |    |     |
| 11   | PROVIDE PROPOSED LIMITS OF ASPHALT OVERLAY SKETCH TO EVCIA & VOLTA (IF NEEDED).                |     |    |     |
| 12   | SEED & STABILIZE ALL DISTURBED AREAS AFTER FINAL GRADING.                                      |     |    |     |

**CODE REQUIREMENTS:**

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 CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THE LOCAL GOVERNING AUTHORITIES CODES.

**VOLTA PROPOSES TO INSTALL:**

(2) ELECTRIC VEHICLE (EV) CHARGING STATION FIXTURES TO BE LOCATED IN EXISTING CURBED ISLAND AREAS THAT ARE ADJACENT TO ON-SITE PARKING SPACES AND PART OF AN EXISTING PROPERTY.  
AN ADDITIONAL STALL WILL BE USED TO CREATE AN ACCESSIBLE CHARGING SPACE.  
THE EV FIXTURES ARE CUSTOMARY ACCESSORY AND INCIDENTAL TO THE EXISTING COMMERCIAL USE AND SOLELY FOR THE BENEFIT OF CUSTOMERS VISITING THE STORES. THE FIXTURES ARE LOCATED TO PROVIDE PRIORITY PARKING FOR PATRONS WITH EVS AND DISPLAY VISIBILITY ALONG THE INTERIOR CIRCULATION AISLE FOR SHOPPERS. THERE ARE NO PROPOSED CHANGES TO THE PARKING SPACES OR ANY OF THE EXISTING TRAFFIC CIRCULATION AT THE PROPERTY

**APPLICANT:**  
EV CHARGING INSTALLERS OF AMERICA LLC.  
1214 ROUTE 23, BLDG. B  
WANTAGE, NJ 07461  
CONTACT: CHRIS LEHR  
PHONE #: 973-897-1697  
EMAIL: chris.lehr@evcharginginstallers.com

**PROGRAM MANAGER:**  
EV CHARGING INSTALLERS OF AMERICA LLC.  
1214 ROUTE 23, BLDG. B  
WANTAGE, NJ 07461  
CONTACT: BASHAR SAWAKED  
PHONE #: 973-896-2988  
EMAIL: bashar.sawaked@evcharginginstallers.com

**VOLTA REPRESENTATIVE**

VOLTA, Inc.  
155 DE HARO STREET  
SAN FRANCISCO CA 94103  
CONTACT: IAN EVANS  
PHONE #: 860-986-1948  
EMAIL: ian.evans@voltacharging.com

**PROFESSIONAL ENGINEERING:**

DURAK EVRIM ERCAN, P.E.  
P.O. BOX 35  
LIVINGSTON, NJ 07039  
CONTACT: DURAK EVRIM ERCAN, P.E.  
PHONE #: 201-920-2899  
EMAIL: evrim@amperengineering.com

**SITE PARTNER:**

THE GIANT COMPANY  
8301 PROFESSIONAL PLACE  
LANDOVER, MD 20786  
CONTACT: LEILA TANNOUS  
PHONE #: 301-341-8956  
EMAIL: LEILA.TANNOUS@GIANTFOOD.COM

**CONTRACTOR VERIFICATION CHECKLIST**

**CODE BLOCK**

**PROJECT DESCRIPTION**

**PROJECT TEAM**

ISSUE DATE

08/03/22

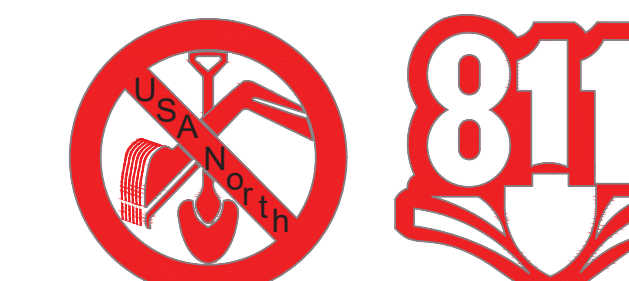
ISSUED FOR  
CONSTRUCTION



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEER, TO ALTER THIS DOCUMENT.

| SHEET | DESCRIPTION                |
|-------|----------------------------|
| G-1.0 | COVER SHEET                |
| G-2.0 | NOTES AND LEGENDS          |
| G-3.0 | STATION OVERVIEW           |
| C-1.1 | ENLARGED SITE PLAN         |
| C-3.1 | FOUNDATION LAYOUT 1        |
| C-3.2 | FOUNDATION LAYOUT 2        |
| C-3.3 | GENERAL DETAILS            |
| C-4.0 | STRIPING DETAILS           |
| E-1.0 | ELECTRICAL NOTES AND RISER |

**SHEET INDEX**



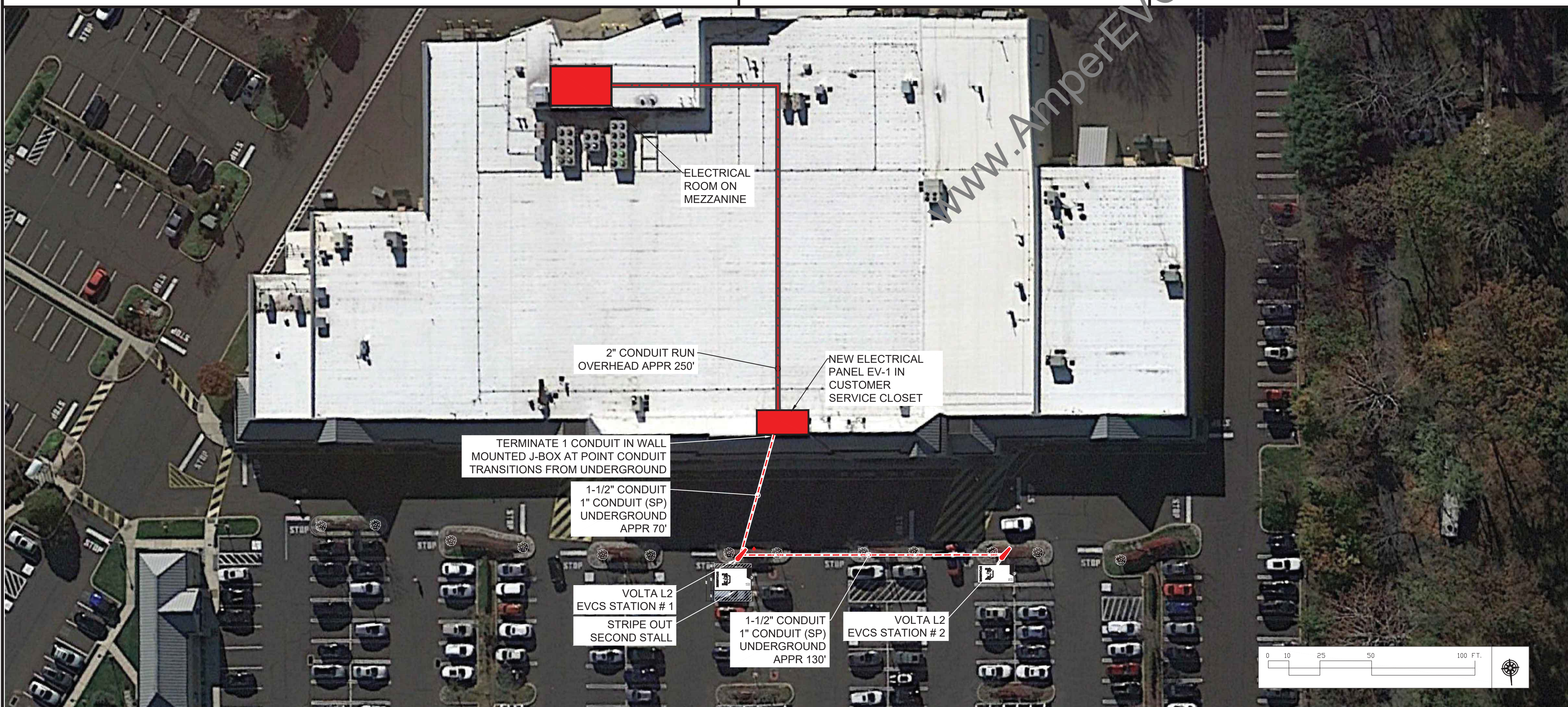
Know what's below.  
CALL before you dig.

**DIG ALERT**

CALL AT LEAST TWO WORKING  
DAYS BEFORE YOU DIG

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING LOCATIONS, CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME

**DO NOT SCALE DRAWINGS**



**OVERALL SITE PLAN**

**EV CHARGING STATIONS**

THE GIANT COMPANY  
NEW HOPE, PA

EVCIA JOB # 1765

SHEET TITLE  
COVER SHEET

SHEET NUMBER  
G-1.0



# Volta Gen4 L2 Station

Volta provides turn-key Electric Vehicle (EV) charging services for premium retail and entertainment destinations. We install and maintain the charging amenity at no cost to site partners as well as EV drivers, driving increased property value and attracting more customers who stay longer.

## VOLTA STATION BENEFITS

- Installation, equipment and maintenance is paid by Volta
- Charges all electric vehicles
- Free electricity supported through third party content on displays
- Volta stations are occupied 80% of the retail day
- Volta has provided 88M free sponsored electric miles, delivered 25 gigawatt hours and eliminated over 39M pounds of CO2 emissions

## CHARGING UNIT INFORMATION (Single Charging Units)

- Size: H 85.0" x W 36.5" x D 15.5"
- Display Size: H 48" x W 27"
- Power Type: 208/240VAC, 48A, 10kW max; UL 2202
- Plug: SAE J1772 compliant connector

## POWER REQUIREMENTS

- Charging unit: 60A/2P, 208/240 breaker
- Display/connectivity: 20A/1P, 120V breaker

## INSTALLATION REQUIREMENTS

- Wire Diameter: #6 AWG minimum. Larger for longer conduit runs
- Conduit Diameter: 1.5" minimum per station. Larger conduit required for runs over 250'



- 55" Media Display
- Charges up to 30miles per hour
- Universal J1772 connections
- Cable Management
- Fully Networked

**volta**

155 DE HARO STREET  
SAN FRANCISCO, CA 94103



EV CHARGING INSTALLERS  
OF AMERICA, LLC

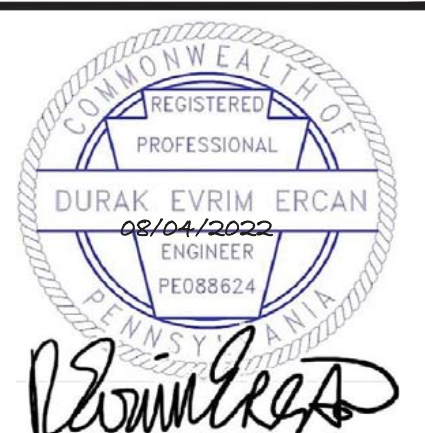
1214 Rte 23, Bld B  
Wantage, NJ 07461  
Phone: 855-373-9566



| REV | DATE     | DESCRIPTION             | DRN BY | CHK BY |
|-----|----------|-------------------------|--------|--------|
| A   | 05/21/22 | CD50                    | MM     |        |
| B   | 06/07/22 | CREATE ACCESSIBLE STALL | MM     |        |
| C   | 08/03/22 | CD100                   | MM     |        |
|     |          |                         |        |        |
|     |          |                         |        |        |

ISSUE DATE  
08/03/22

ISSUED FOR  
CONSTRUCTION



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEER, TO ALTER THIS DOCUMENT.

EV CHARGING STATIONS

THE GIANT COMPANY  
NEW HOPE, PA

EV CIA JOB # 1765

SHEET TITLE  
STATION OVERVIEW

SHEET NUMBER  
G-3.0



# volta

155 DE HARO STREET  
SAN FRANCISCO, CA 94103



EV CHARGING INSTALLERS  
OF AMERICA, LLC

1214 Rte 23, Bld B  
Wantage, NJ 07461  
Phone: 855-373-9566



| REV | DATE     | DESCRIPTION             | DRN BY | CHK BY |
|-----|----------|-------------------------|--------|--------|
| A   | 05/21/22 | CD50                    | MM     |        |
| B   | 06/07/22 | CREATE ACCESSIBLE STALL | MM     |        |
| C   | 08/03/22 | CD100                   | MM     |        |
|     |          |                         |        |        |
|     |          |                         |        |        |
|     |          |                         |        |        |

ISSUE DATE  
08/03/22

ISSUED FOR  
CONSTRUCTION



IT IS A VIOLATION OF LAW FOR ANY PERSON,  
UNLESS THEY ARE ACTING UNDER THE DIRECTION  
OF A LICENSED PROFESSIONAL ARCHITECT  
AND/OR ENGINEER, TO ALTER THIS DOCUMENT.

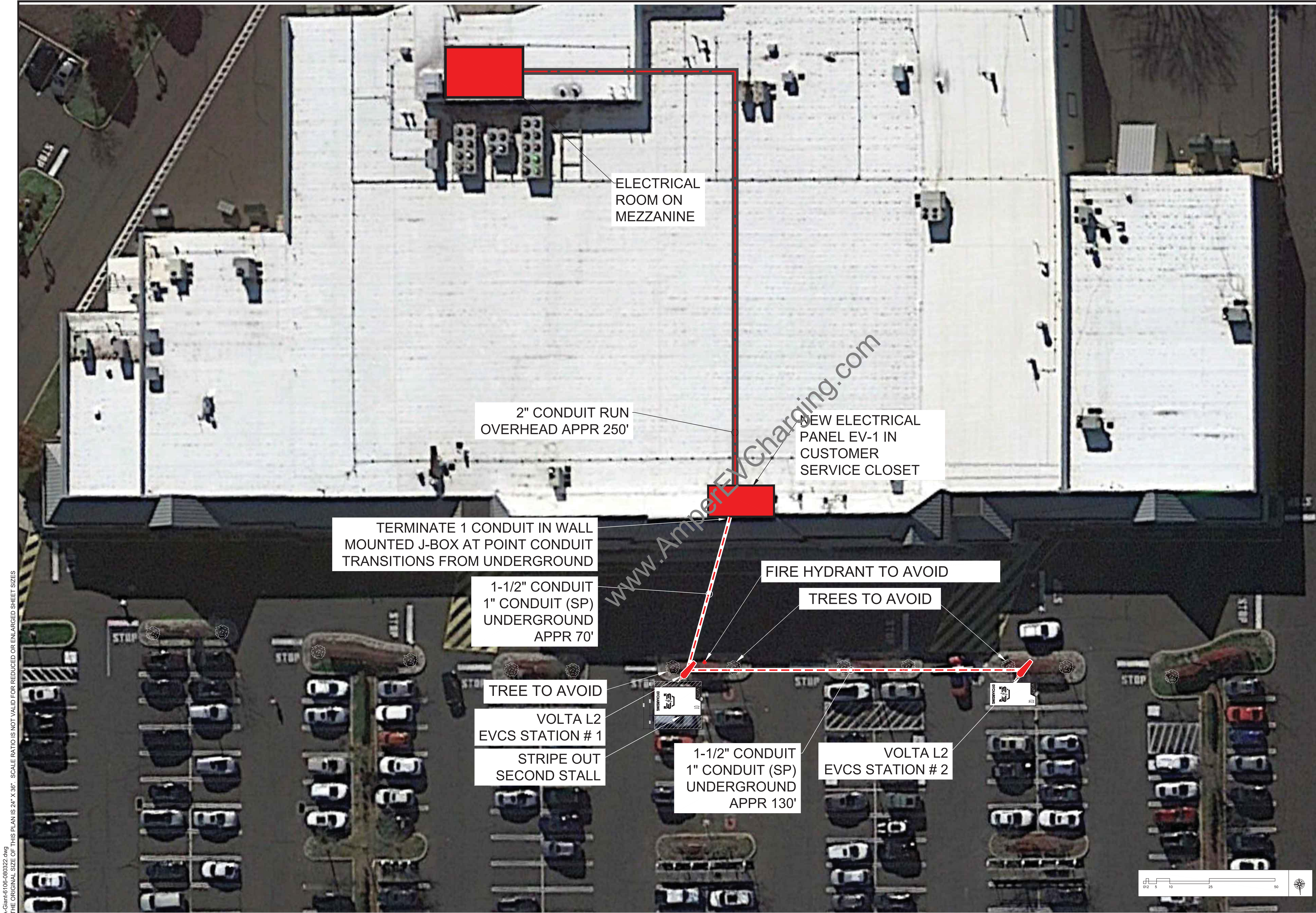
EV CHARGING STATIONS

THE GIANT COMPANY  
NEW HOPE, PA

EVCIJ JOB # 1765

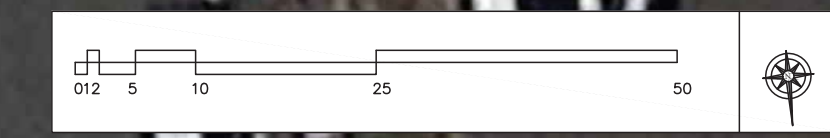
SHEET TITLE  
ENLARGED SITE PLAN

SHEET NUMBER  
C-1.1



1765-PA-Giant-6106-080322.dwg  
NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE RATIO IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES

ENLARGED SITE PLAN





PANEL CALCULATIONS

| PANEL EV-1                              |           |                           |       |      |      |      |       |      |              |  |       |              |      |      |           |     |
|---|-----------|---------------------------|-------|------|------|------|-------|------|--------------|--|-------|--------------|------|------|-----------|-----|
| VOLTAGE: 120/208<br>3 PHASE, 4 WIRE     |           |                           |       |      |      |      |       |      |              | LOCATION: CUST. SVC. CLOSET<br>BUS (A): 100<br>MAIN (A): MLO |       |              |      |      |           |     |
| No.                                     | WIRE SIZE | CIRCUIT DESCRIPTION       | CONT  | RCPT | MTR  | A/C  | KITCH | MISC | BREAKER TRIP | POLE   | PHASE | BREAKER POLE | TRIP | POLE | WIRE SIZE | No. |
| 1                                       | X         | VOLTA CHARGING STATION #1 | 4.99  |      |      |      |       |      | 60           | 2  | 4.99  |              |      |      | 2         | 2   |
| 5                                       |           | VOLTA CHARGING DISPLAY #1 | 0.60  |      |      |      |       |      | 20           | 1  | 0.60  |              |      |      | 4         | 4   |
| 7                                       |           | VOLTA CHARGING DISPLAY #2 | 0.60  |      |      |      |       |      | 20           | 1  | 0.60  |              |      |      | 8         | 8   |
| 9                                       | X         | VOLTA CHARGING STATION #2 | 4.99  |      |      |      |       |      | 60           | 2  | 4.99  |              |      |      | 10        | 10  |
| 11                                      | X         |                           | 4.99  |      |      |      |       |      | X            | X  | 4.99  |              |      |      | 12        | 12  |
| 13                                      |           |                           |       |      |      |      |       |      | X            | X  | 0.00  |              |      |      | 14        | 14  |
| 15                                      |           |                           |       |      |      |      |       |      |              |  | 0.00  |              |      |      | 16        | 16  |
| 17                                      |           |                           |       |      |      |      |       |      |              |  | 0.00  |              |      |      | 18        | 18  |
| 19                                      |           |                           |       |      |      |      |       |      |              |  | 0.00  |              |      |      | 20        | 20  |
| LOADS W/ NEC 220 DEMAND FACTORS (KVA)   |           |                           | TOTAL |      |      |      |       |      |              |  |       |              |      |      |           |     |
| CONT                                    |           |                           | 6.99  | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 6.99         |  |       | 5.59         |      |      |           |     |
| A PHASE                                 |           |                           | 12.48 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 12.48        |  |       | 9.98         |      |      |           |     |
| B PHASE                                 |           |                           | 12.48 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 12.48        |  |       | 9.98         |      |      |           |     |
| C PHASE                                 |           |                           | 6.99  | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 6.99         |  |       | 5.59         |      |      |           |     |
| DEMAND PER LOAD TYPE (KVA)              |           |                           | 26.45 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 26.45        |  |       | 21.16        |      |      |           |     |
| CONNECTED LOAD LARGEST PHASE (KVA)      |           |                           | 12.48 |      |      |      |       |      |              |  |       |              |      |      |           |     |
| CONNECTED LOAD LARGEST PHASE (AMP)      |           |                           | 104   |      |      |      |       |      |              |  |       |              |      |      |           |     |
| TOTAL DEMAND LOAD FOR PANEL (KVA)       |           |                           | 26.45 |      |      |      |       |      |              |  |       |              |      |      |           |     |
| TOTAL DEMAND LOAD FOR PANEL (AMP)       |           |                           | 73    |      |      |      |       |      |              |  |       |              |      |      |           |     |
| MINIMUM FEEDER AMPACITY SELECTION (AMP) |           |                           | 104   |      |      |      |       |      |              |  |       |              |      |      |           |     |

VOLTAGE DROP CALCULATIONS

| Station       | Length | Voltage | Current | Cond. Size | Voltage Drop % | Voltage Drop Volts |
|---------------|--------|---------|---------|------------|----------------|--------------------|
| 1             | 70     | 208     | 48      | 4          | 0.80%          | 1.66               |
| 1             | 70     | 120     | 5       | 10         | 0.61%          | 0.73               |
| 2             | 200    | 208     | 48      | 4          | 2.65%          | 5.51               |
| 2             | 200    | 120     | 5       | 10         | 1.75%          | 2.10               |
| FeederFrom P2 | 250    | 208     | 100     | 2/0        | 2.11%          | 4.39               |

CONDUIT FILL CALCULATIONS

(1) Select Wire Type: **THWN** (2) Select Conduit: **PVC** Underground  
**EMT** Above Ground

| Wire Size | Enter number of conductors for each size | Total Area sq-inch | Conduit Trade Size | Trough and Conduit ID Sizes | Total area in square inches | 20% Fill of Trough 40% Fill of Conduit | Current total Area sq. inches | Current fill percent |
|-----------|--|--------------------|--------------------|-----------------------------|-----------------------------|--|-------------------------------|----------------------|
| 12        |  | 0.0000             | 0.50               | 0.526                       | 0.217                       | 0.087                                  | 0.4647                        |                      |
| 10        | 4  | 0.0844             | 0.75               | 0.732                       | 0.421                       | 0.168                                  | 0.4647                        |                      |
| 8         |  | 0.0000             | 1.00               | 0.936                       | 0.688                       | 0.275                                  | 0.4647                        |                      |
| 6         | 1  | 0.0507             | 1.25               | 1.259                       | 0.899                       | 0.495                                  | 0.4647                        | 32.62%               |
| 4         | 4  | 0.3296             | 1.50               | 1.476                       | 1.711                       | 0.684                                  | 0.4647                        | 27.16%               |
| 3         |  | 0.0000             | 2.00               | 1.913                       | 2.874                       | 1.150                                  | 0.4647                        | 16.17%               |
| 2         |  | 0.0000             | 2.50               | 2.290                       | 4.119                       | 1.642                                  | 0.4647                        | 11.28%               |
| 1         |  | 0.0000             | 3.00               | 2.864                       | 6.442                       | 2.582                                  | 0.4647                        | 7.21%                |
| 1/0       |  | 0.0000             | 3.50               | 3.326                       | 8.688                       | 3.262                                  | 0.4647                        | 5.35%                |
| 2/0       |  | 0.0000             | 4.00               | 3.786                       | 11.258                      | 4.503                                  | 0.4647                        | 4.13%                |
| 3/0       |  | 0.0000             |                    |                             |                             |  |                               |                      |
| 4/0       |  | 0.0000             |                    |                             |                             |  |                               |                      |
| 250       |  | 0.0000             |                    |                             |                             |  |                               |                      |
| 300       |  | 0.0000             |                    |                             |                             |  |                               |                      |
| 350       |  | 0.0000             |                    |                             |                             |  |                               |                      |

NOTES:  
1) All dimensions are from manufacturers specifications.  
2) Dimensions are based on 2020 NEC.  
3) ID area based on NEC 2020 Table 4 Chapter 9.

ELECTRICAL NOTES:

- ALL ELECTRICAL WORK AND RELATED ACTIVITIES PERFORMED ON-SITE SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE (NEC) STANDARDS BEING ENFORCED BY ALL APPLICABLE JURISDICTIONAL REQUIREMENTS AT THE TIME OF CONSTRUCTION.
- UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER AT TIME OF PRECONSTRUCTION MEETING TO ENSURE ACCURACY OF INSTALLATIONS.
- CONDUIT PATHS ARE REPRESENTATIVE ONLY. EXACT CONDUIT PLACEMENT TO BE DETERMINED ON SITE BASED ON FIELD CONDITIONS.
- A NATIONALLY RECOGNIZED TESTING LABORATORY SHALL LIST ALL EQUIPMENT IN COMPLIANCE WITH NEC ARTICLE 110.3
- ALL EXTERIOR EQUIPMENT SHALL BE RAIN TIGHT AND APPROVED FOR USE IN WET CONDITIONS.
- ALL CONDUCTORS TO BE COPPER
- ALL CONDUCTORS WITHIN A COMMON CONDUIT SHALL BE RATED FOR THE HIGHEST VOLTAGE WITH THE CONDUIT.
- ALL CONDUCTORS AND CABLES SHALL BE PROVIDED WITH STRAIN RELIEF UPON ENTRY INTO ENCLOSURES
- EACH UNGROUNDED CONDUCTOR SHALL BE IDENTIFIED BY PHASE AND SYSTEM PER NEC 210.5
- ALL UNDERGROUND CONDUIT TO BE HDPE SDR11 (OR BETTER), UL RATED, MINIMUM 24" DEEP.
- WIRING FOR VOLTA CHARGING STATIONS TO BE INSTALLED PER MANUFACTURER'S DIRECTIONS AND SPECIFICATIONS.
- CHARGING UNITS ARE EQUIPPED WITH AN INTEGRATED CONTACTOR TO PREVENT BACK FEEDING OF POWER TO THE SOURCE.
- SHORT CKTS RATING OF NEW PANELS AND EVCS EOMT SHALL MATCH THE EXISTING POWER SYSTEM RATING AND TO BE FIELD VERIFIED BY THE CONTRACTOR BEFORE STARTING INSTALLATION
- CONTRACTOR IS RESPONSIBLE TO VERIFY DESIGN, ENGINEERING ASSUMPTIONS AND EXISTING FIELD CONDITIONS. REPORT ANY INSUFFICIENCIES TO ENGINEER OF RECORD PRIOR TO ANY WORK BEING PERFORMED.
- WHERE A STEP-DOWN TRANSFORMER IS USED, IF THE DISTANCE FROM THE TRANSFORMER SECONDARY TERMINALS TO THE PANEL IS MORE THAN 25 FEET, AN ADDITIONAL OCPD MUST BE INSTALLED WITHIN 25 FEET OF THE TRANSFORMER SECONDARY TERMINALS. NEC 240.21(C)(3).
- THE CONTRACTOR SHALL INSTALL 75°C RATED TERMINAL CIRCUIT BREAKERS IN PANEL.
- THE CONTRACTOR SHALL INSTALL ALL EV EQUIPMENT PER NEC ART. 625 AND 110.25 TO PROVIDE EASY ACCESS TO OCPD DEVICES.
- ALL METALLIC COMPONENTS SHALL BE GROUNDED VIA ELECTRICAL GROUNDING CONDUCTORS.
- THE GROUND SYSTEM SHALL BE INSTALLED AS PER NEC ART. 250.

ABBREVIATIONS:

|      |                                  |
|------|----------------------------------|
| 1KV  | 1000V RATED CONDUCTOR            |
| A    | AMPERE                           |
| AC   | ALTERNATING CURRENT              |
| ART  | ARTICLE                          |
| AUX  | AUXILIARY                        |
| BLDG | BUILDING STRUCTURE               |
| CONC | CONCRETE                         |
| COND | CONDUCTOR                        |
| CU   | COPPER                           |
| DC   | DIRECT CURRENT                   |
| DCFC | DIRECT CURRENT FAST CHARGER      |
| DISC | DISCONNECT                       |
| EGC  | EQUIPMENT GROUNDING CONDUCTOR    |
| (E)  | EXISTING                         |
| EMT  | ELECTRIC METALLIC TUBING         |
| EV   | ELECTRIC VEHICLE                 |
| EVCS | ELECTRIC VEHICLE CHARGING SYSTEM |
| GALV | GALVANIZED                       |
| GND  | GROUND                           |
| HDG  | HOT DIPPED GALVANIZED            |
| KVA  | KILOVOLT AMPERE                  |
| M    | METER                            |
| MBJ  | MAIN BONDING JUMPER              |
| MCB  | MAIN CIRCUIT BREAKER             |
| MLO  | MAIN LUGS ONLY                   |
| MAX  | MAXIMUM                          |
| MIN  | MINIMUM                          |
| N    | NEUTRAL                          |
| NEC  | NATIONAL ELECTRICAL CODE         |
| NF   | NON-FUSED                        |
| NTS  | NOT TO SCALE                     |
| (N)  | NEW                              |
| OC   | ON CENTER                        |
| P    | POLE                             |
| PCS  | POWER CONTROL SYSTEM             |
| PH   | PHASE                            |
| PVC  | POLYVINYL CHLORIDE               |
| RMC  | RIGID METALLIC CONDUIT           |
| SCH  | SCHEDULE                         |
| SP   | SPARE                            |
| TP   | TWISTED PAIR                     |
| TYP  | TYPICAL                          |
| V    | VOLT                             |
| W    | WATT                             |
| XFMR | TRANSFORMER                      |

**volta**  
155 DE HARO STREET  
SAN FRANCISCO, CA 94103



EV CHARGING INSTALLERS OF AMERICA, LLC

1214 Rte 23, Bld B  
Wantage, NJ 07461  
Phone: 855-373-9566



| REV | DATE     | DESCRIPTION             | DRN BY | CHK BY |
|-----|----------|-------------------------|--------|--------|
| A   | 05/21/22 | CD50                    | MM     |        |
| B   | 06/07/22 | CREATE ACCESSIBLE STALL | MM     |        |
| C   | 08/03/22 | CD100                   | MM     |        |

ISSUE DATE

08/03/22

ISSUED FOR CONSTRUCTION



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEER, TO ALTER THIS DOCUMENT.

EV CHARGING STATIONS

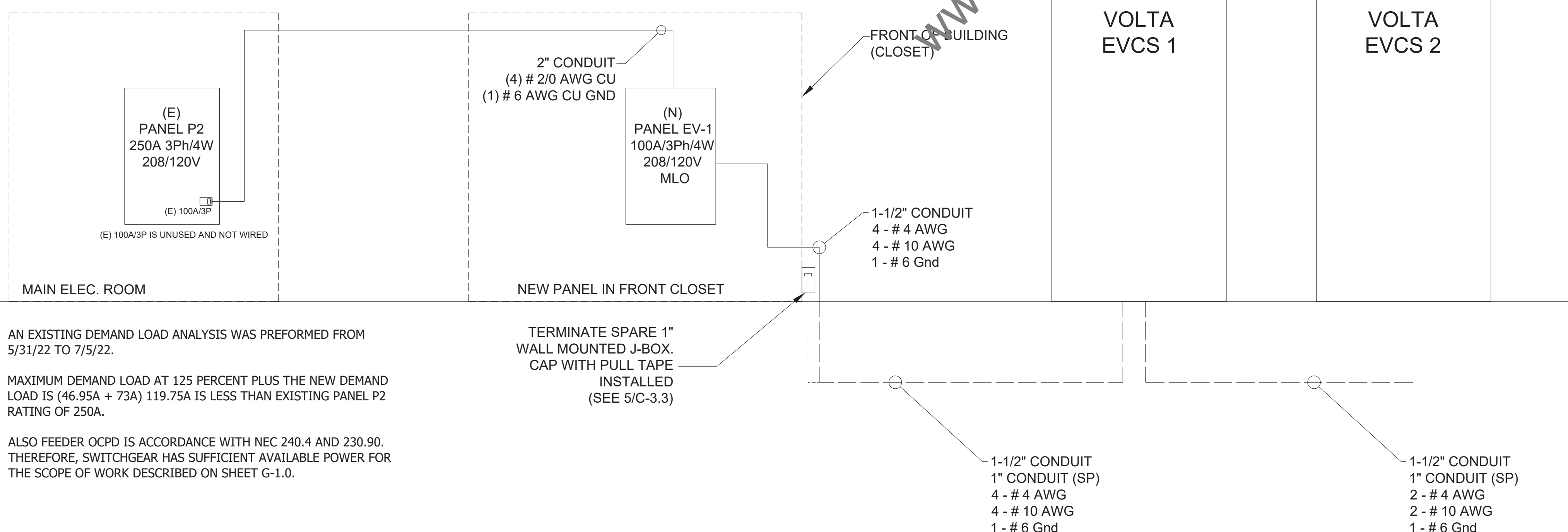
THE GIANT COMPANY  
NEW HOPE, PA

EVGIA JOB # 1765

SHEET TITLE  
ELECTRICAL NOTES  
AND RISER

SHEET NUMBER

E-1.3



AN EXISTING DEMAND LOAD ANALYSIS WAS PERFORMED FROM 5/31/22 TO 7/5/22.

MAXIMUM DEMAND LOAD AT 125 PERCENT PLUS THE NEW DEMAND LOAD IS (46.95A + 73A) 119.75A IS LESS THAN EXISTING PANEL P2 RATING OF 250A.

ALSO FEEDER OCPD IS ACCORDANCE WITH NEC 240.4 AND 230.90. THEREFORE, SWITCHGEAR HAS SUFFICIENT AVAILABLE POWER FOR THE SCOPE OF WORK DESCRIBED ON SHEET G-1.0.

TERMINATE SPARE 1" WALL MOUNTED J-BOX. CAP WITH PULL TAPE INSTALLED (SEE 5/C-3.3)

ELECTRICAL NOTES & RISER