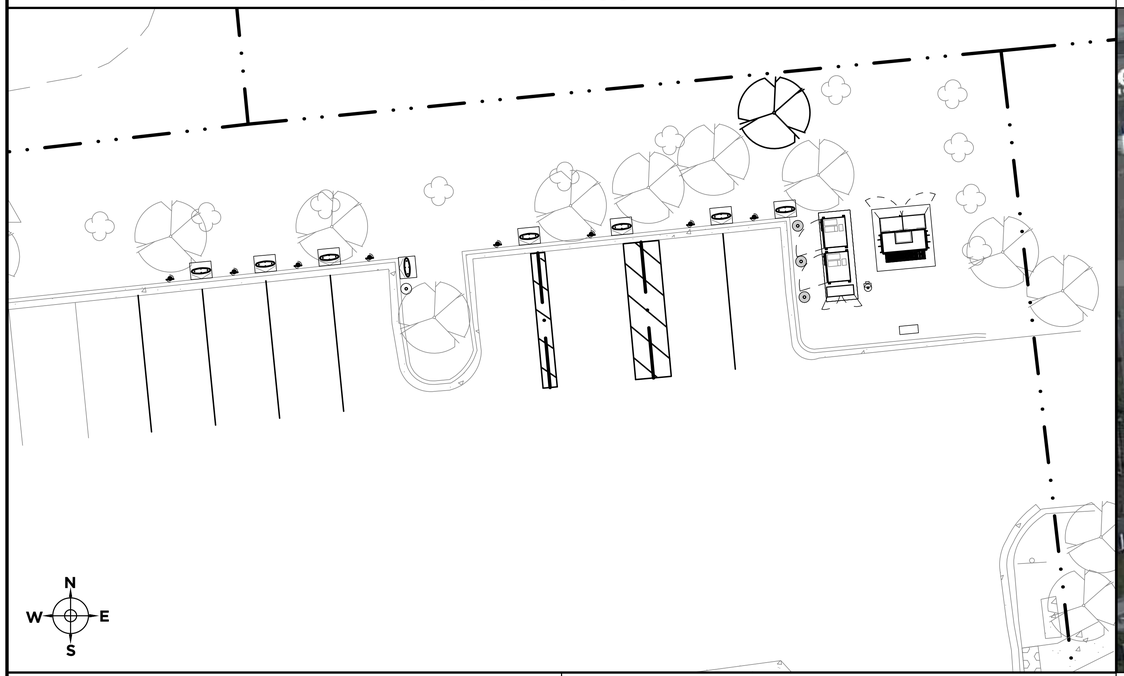
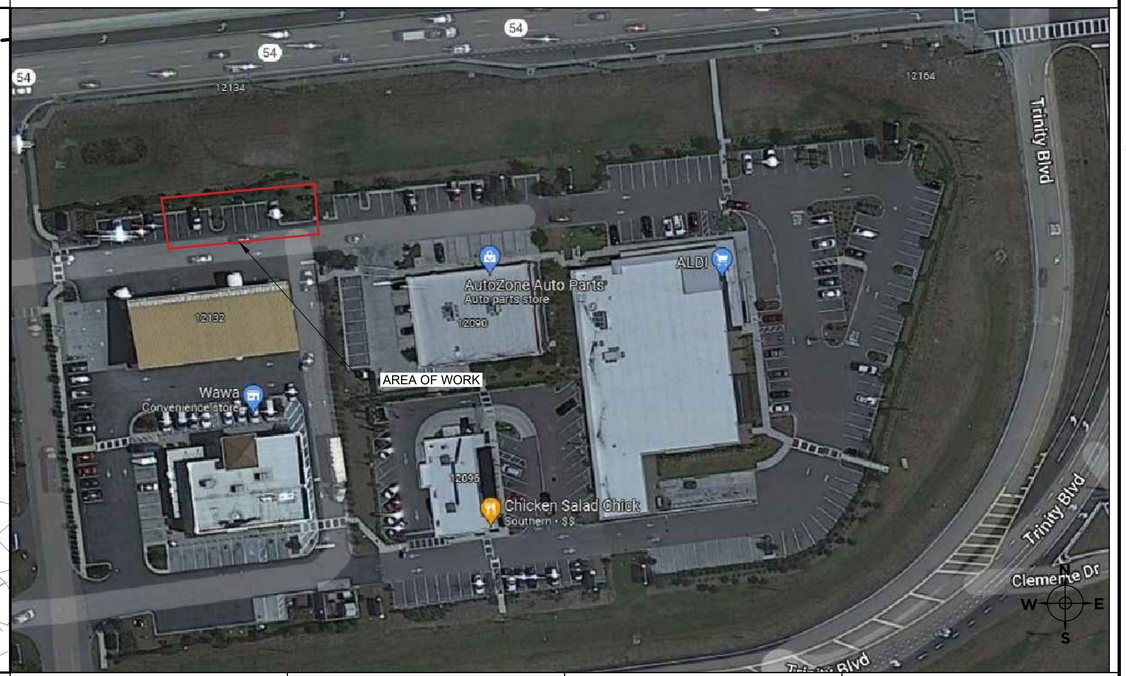
# TESLA SUPERCHARGER ODESSA, FL-12048 FL-54
# 8 SUPERCHARGERS
# APN: 28-26-17-0120-00B00-0000

TRT: 27073

## SITE LAYOUT




## AERIAL MAP




## ABBREVIATIONS

| | |
|---|---|
| AC | ALTERNATING CURRENT |
| ADA | AMERICANS WITH DISABILITIES ACT |
| ESS | ENERGY STORAGE SYSTEM |
| BLDG | BUILDING |
| CLR | CLEAR |
| CONC | CONCRETE |
| COMM | COMMUNICATION |
| DC | DIRECT CURRENT |
| DIA | DIAMETER |
| DIST | DISTANCE |
| EQ | EQUAL |
| EGC | EQUIPMENT GROUNDING CONDUCTOR |
| (E) | EXISTING |
| EA. | EACH |
| EMT | ELECTRICAL METALLIC TUBING |
| EV | ELECTRIC VEHICLE |
| GAB | GRADED AGGREGATE BASE |
| GALV | GALVANIZED |
| GEC | GROUNDING ELECTRODE CONDUCTOR |
| GND | GROUND |
| HVAC | HEATING, VENTILATION, & AIR CONDITIONING |
| I | CURRENT |
| IMP | CURRENT AT MAX POWER |
| INV | INVERTER |
| ISC | SHORT CIRCUIT CURRENT |
| KVA | KILOVOLT AMPERE |
| KW | KILOWATT |
| KWH | KILOWATT-HOUR |
| LV | LOW-VOLTAGE |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| MV | MEDIUM-VOLTAGE |
| (N) | NEW |
| NEC | NATIONAL ELECTRIC CODE |
| NIC | NOT IN CONTRACT |
| NRTL | NATIONALLY-RECOGNIZED TESTING LABORATORY |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| PCC | POINT OF COMMON COUPLING |
| PL | PROPERTY LINES |
| PLC | POWER LINE COMMUNICATION |
| PV | PHOTOVOLTAIC |
| PP | POWERPACK |
| PSU | PRE-ASSEMBLED SUPERCHARGER UNIT |
| PVC | POLYVINYL CHLORIDE |
| RSD | RAPID SHUTDOWN |
| SCCR | SHORT CIRCUIT CURRENT RATING |
| SCH | SCHEDULE |
| SQ. IN. | SQUARE INCHES |
| SS | STAINLESS STEEL |
| SSD | SEE STRUCTURAL DRAWINGS |
| STC | STANDARD TESTING CONDITIONS |
| TYP | TYPICAL |
| UON | UNLESS OTHERWISE NOTED |
| VIF | VERIFY IN FIELD |
| W | WATT |

## PROJECT TEAM

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PROJECT DESIGNER:
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## DESIGN CRITERIA

1. WIND DESIGN
   - DESIGN WIND SPEED = 141 MPH (ULTIMATE)
   - RISK CATEGORY = II
   - WIND EXPOSURE = C
2. SEISMIC DESIGN
   - RISK CATEGORY = II
   - SEISMIC IMPORTANCE FACTOR = 1.0
   - SITE CLASS = D
   - Ss = 0.054 / S1 = 0.031
   - Sds = 0.058 / Sd1 = 0.05
   - SEISMIC DESIGN CATEGORY = A
   - BASIC SEISMIC-FORCE-RESISTING SYSTEM = NON-STRUCTURAL COMPONENT
   - R = 2.5 / a_p = 1.0
3. GROUND SNOW LOAD = 0 PSF

| APPLICABLE CODES |
|---|
| 2020 FLORIDA BUILDING CODE |
| 2017 NATIONAL ELECTRICAL CODE |

| REFERENCED DOCUMENTS |
|---|
| SUPERCHARGER INSTALLATION MANUAL |
| SUPERCHARGER POST INSTALLATION MANUAL |
| TOPOGRAPHIC SURVEY |
| UTILITY DESIGN |

## PROJECT SCOPE

INSTALLATION OF SUPERCHARGERS AND ASSOCIATED AC AND DC EQUIPMENT.

INSTALLATION OF CONCRETE EQUIPMENT PADS AND WALKWAYS.

INSTALLATION OF NEW PARKING STRIPING, SIGNAGE AND ADA ACCESS FEATURES.

ASPHALT OVERLAY FOR PROPOSED EV ADA STALL.

## SYSTEM SUMMARY

**SUPERCHARGER SYSTEM SUMMARY**

| EQUIPMENT | QTY |
|---|---|
| V3 SUPERCHARGER CABINETS | 2 |
| V3 SUPERCHARGER POSTS | 8 |
| UTILITY TRANSFORMER | 1 |
| SWITCHBOARD | 1 |

## SHEET INDEX



TESLA

3500 DEER CREEK RD.
PALO ALTO, CA 94304
(650) 681-5000

ORIGINAL SIZE 24"X36"
SHEET SIZE ARCH "D"

0 1/2" 1"

WILLIAM K. LOU
LICENSE
No. 79110
EXP 2/28/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY BILL LOU ON THE DATE SHOWN USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

TESLA SUPERCHARGER_ODESSA, FL
8 SUPERCHARGERS
TESLA SUPERCHARGER_ODESSA, FL
12048 FL-54
ODESSA, FL. 33556

| NO. | REVISION | DATE |
|---|---|---|

COVER PAGE

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