

Drawing Name: O:\2022\202224\110 - TRT 33804 Kissimmee, FL.dwg
April 28, 2023 11:18 AM - jarch

12345

TESLA

SUPERCHARGING STATION

8085 W IRLO BRONSON MEMORIAL HIGHWAY
(TESLA STATION)
KISSIMMEE, FL 34747
TRT 33804





GPD GROUP, INC.[®]
LIC. # - 30920

520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101

IC

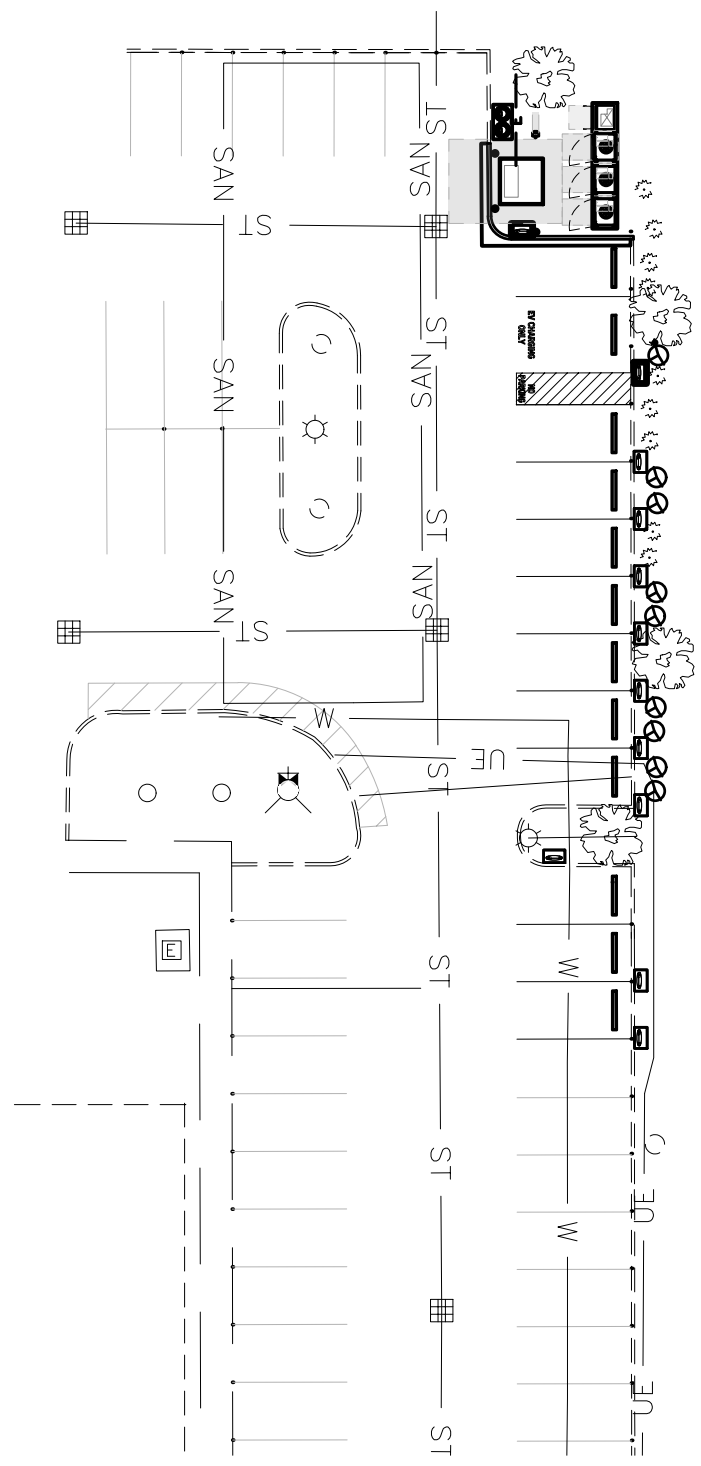
TESLA

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

NOTE:
PROPERTY LINE AND RIGHT-OF-WAY
BOUNDARIES ARE SHOWN FOR
REFERENCE ONLY. REFER TO SURVEY
BY OTHERS FOR EXACT LOCATION.

SITE LAYOUT



AERIAL MAP



MAP DATA ©2023 GOOGLE

SITE INFORMATION

ADDRESS:
8085 W IRLO BRONSON MEMORIAL HIGHWAY
(TESLA STATION)
KISSIMMEE, FL 34747

POWER COMPANY:
DUKE ENERGY
CONTACT: JAMES BELTRAN
JAMES.BELTRAN@DUKE-ENERGY.COM

PROPERTY OWNER:
TBD
CONTACT: TBD
TBD

EQUIPMENT SUPPLIER:
TESLA, INC.
3500 DEER CREEK ROAD
PALO ALTO, CA 94304
(650) 681-5000

LATITUDE (NAVD88)
N 28°20'52.93"
38.95443°

LONGITUDE (NAVD88)
W 81°36'37.32"
-92.38314°

PERMITTING JURISDICTION:
CITY OF KISSIMMEE
CONTACT: TBD
TBD
TBD

COUNTY:
OSCEOLA

GPD GROUP INC. LIC. # - 30920. CONTACTS:

PROJECT MANAGER:
ISAAC MAHAM, PE - OH# 82452
(614) 588-8946
IMAHAM@GPDGROUP.COM

UTILITY COORDINATOR:
ERIC HIPPLEY
(330) 564-2310
EHIPPLEY@GPDGROUP.COM

PROJECT COORDINATOR:
JADEN BEACHY, PE - OH# 88367
(330) 572-3643
JBEACHY@GPDGROUP.COM

PERMIT COORDINATOR:
SARAH HONEYCUTT
(330) 572-3508
GPDCHARGEPERMITS@GPDGROUP.COM


FLOOD HAZARD AREA NOTE

THE SITE IS LOCATED IN FLOOD ZONE "X" (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FLOOD INSURANCE MAP NUMBER 12095C0580F, EFFECTIVE DATE - 09/25/2009.

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:
2020 FLORIDA BUILDING CODE, 7TH EDITION (2018 IBC)
2017 NATIONAL ELECTRICAL CODE

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.



PROJECT DESCRIPTION

- INSTALL (3) V3 SUPERCHARGER CABINETS
- INSTALL (12) TESLA SUPERCHARGER POSTS
- INSTALL (1) SWITCHGEAR ASSEMBLY WITH INTEGRATED MASTER CONTROLLER
- INSTALL (1) UTILITY TRANSFORMER
- INSTALL (1) UTILITY METER

BEFORE SCALING & PLAN REPRODUCTION WARNING

CONTRACTORS SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND FIELD CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY TESLA IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

DESIGN LOADING

LATERAL LOAD DESIGN DATA:
WIND DESIGN DATA (ASCE 7-16):

BASIC WIND SPEED (V_{ult}): 135 MPH
RISK CATEGORY II
EXPOSURE CATEGORY C

SEISMIC DESIGN DATA (ASCE 7-16):
1.0 SEISMIC IMPORTANCE FACTOR (I) 1.0
RISK CATEGORY II
SITE CLASS (ASSUMED) D
MAPPED SPECTRAL RESPONSE
SHORT PERIODS (S_s) 0.060
1 SEC. PERIODS (S_1) 0.033
SPECTRAL RESPONSE COEFF.
SHORT PERIODS (S_{DS}) 0.064
1 SEC. PERIODS (S_{D1}) 0.052

SEISMIC DESIGN CATEGORY A

FROST DEPTH: 0"

DRAWING INDEX

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--	TOPOGRAPHIC SURVEY
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C-3	CIVIL DETAILS
C-4	CIVIL DETAILS
ELECTRICAL	SHEET TITLE
EN-1	ELECTRICAL GENERAL NOTES
E-1	ELECTRICAL EQUIPMENT PLAN
E-2	ONE-LINE DIAGRAM
E-3	ELECTRICAL DETAILS
E-4	UTILITY DESIGN
-	TESLA DATASHEET

REFERENCED DOCUMENTS
SUPERCHARGER INSTALLATION MANUAL
SUPERCHARGER POST INSTALLATION MANUAL
UTILITY DESIGN DOCUMENTS
ELECTRICAL EQUIPMENT CUTSHEETS

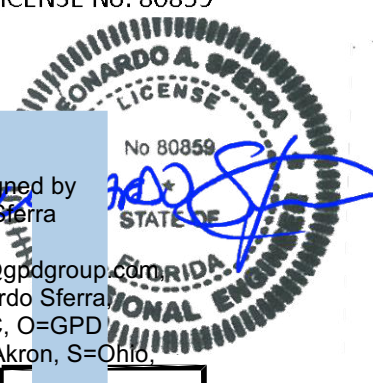
REV.

DATE

DESCRIPTION

A	11/16/2022	ISSUED FOR 50% REVIEW
B	11/1/2023	ISSUED FOR 80% REVIEW
C	01/24/2023	ISSUED FOR SIGN & SEAL
D	04/04/2023	REVISED \$45 PER AHJ COMMENTS
1	04/28/2023	REVISED PER AHJ LANDSCAPE COMMENT

LEONARDO A. SFERRA
LICENSE No. 80859



Digitally signed by
Leonardo Sferra
DN:
E=sferra@gpdgroup.com, O=GPD Group, L=Akron, S=Ohio, C=US
Reason: I am the author of this document.
Date: 2023.05.08 11:27:20 -04'00'

PROJECT MANAGER

DESIGNER

IM SMG

JOB NO.
202224110

Division of Building Safety

Permit E24900639
Date 05/18/23

T-1

This Approval does not grant permission to violate any applicable code. Enforcement of any part of this improvement can result in a close on the title of this property. Keep this plan on the job site at all times.

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TITLE SHEET & PROJECT DATA