



14170 US-441
LAKE CITY, FLORIDA 32024

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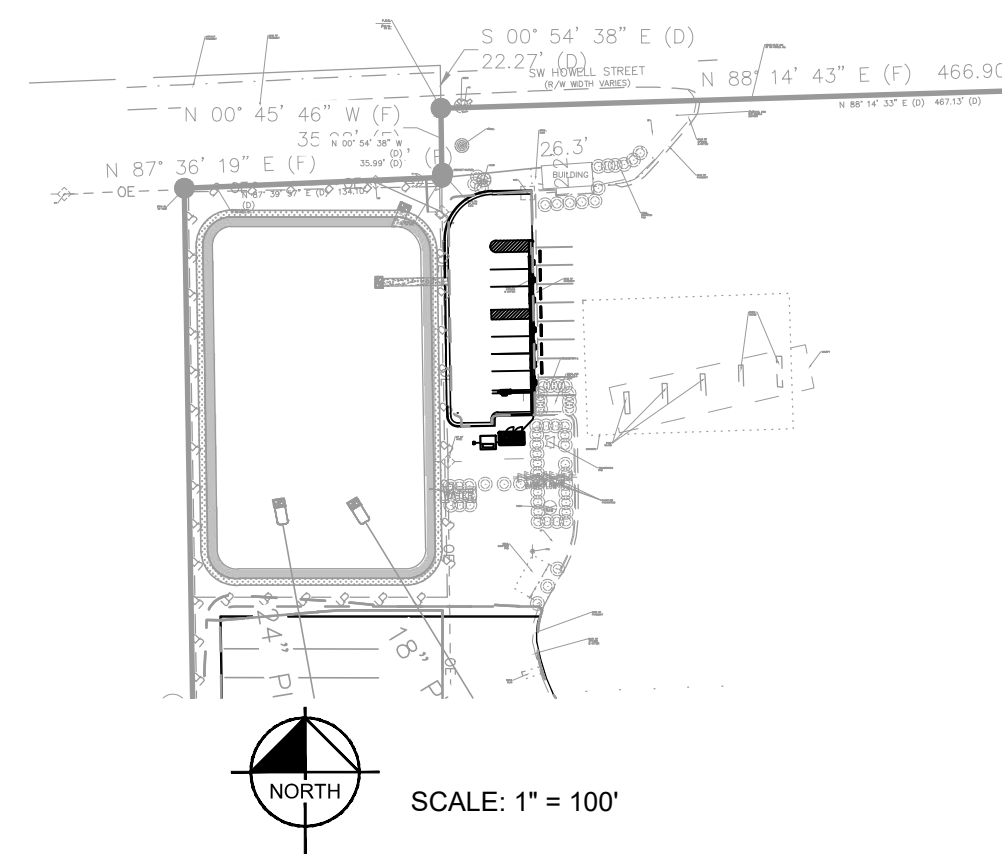
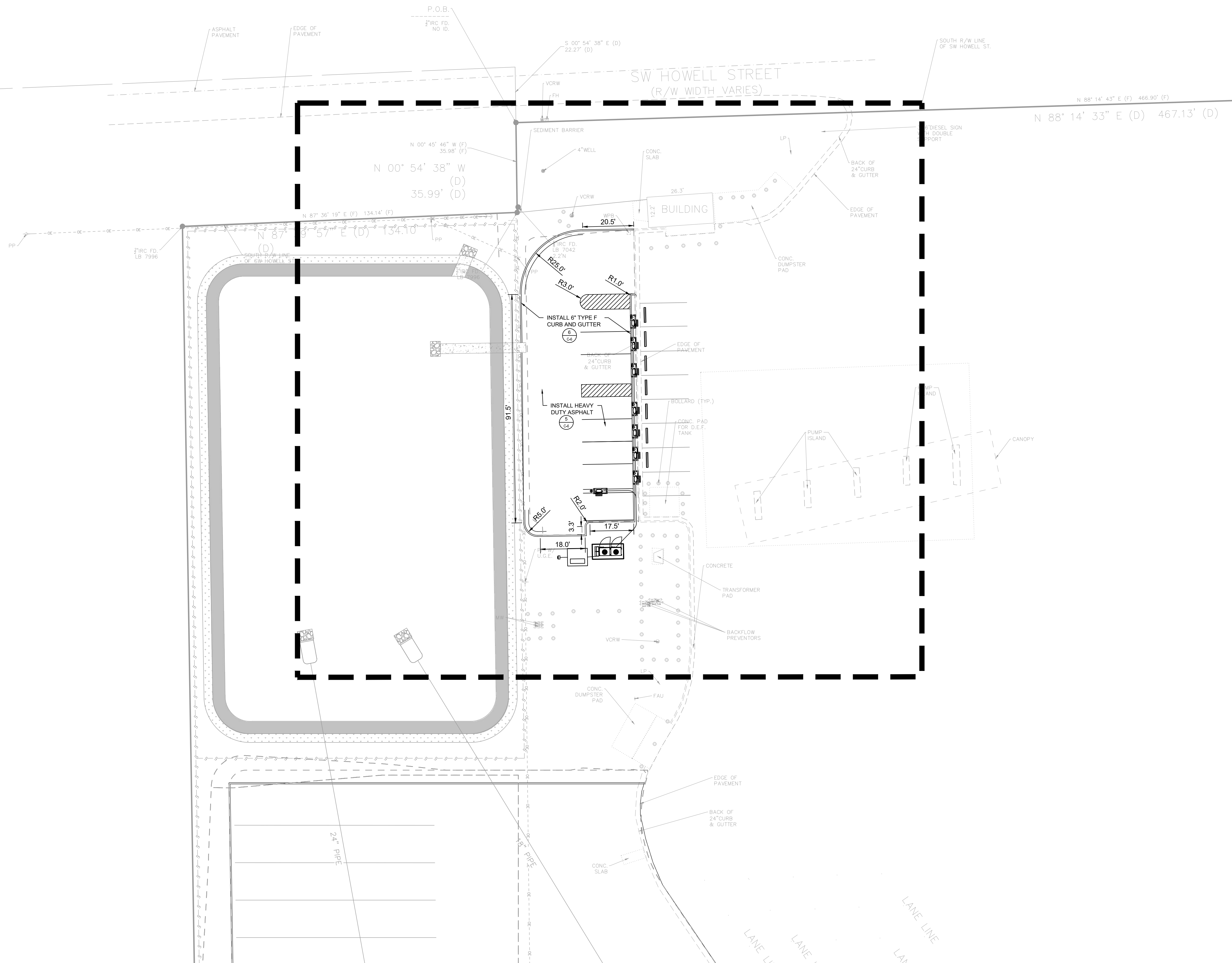
500 DEER CREEK RD.
ALTO, CA 94304
(650) 681-5000

Kimley»Horn

201 PETERS ROAD, SUITE 2200
PLANTATION, FL 33324
(945) 535-5100

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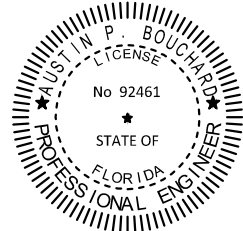
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- NOTES:**
1. SITE PLAN BASED ON PROPOSED SITE PLAN DOCUMENTS FOR SUNSTOP #3338 LOCATED AT 14170 US-41 IN THE LAKE CITY, FL 32024 BY NORTH FLORIDA PROFESSIONAL SERVICES, INC.
 2. UTILITY CONNECTION TO BE MADE UNDER FPL STANDARDS, CONFIRM FINAL DESIGN PRIOR TO CONSTRUCTION.
FPL WORK REQUEST:
 3. HAND DIG TRENCH IN AREAS WITH EXISTING UNDERGROUND UTILITIES. CONTACT ENGINEER IF THERE IS A UTILITY CONFLICT.
 4. THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK.
 5. CONTRACTOR TO VERIFY REMOVAL OF SIGNS, LIGHTS, AND DOG PARK FENCING PRIOR TO CONSTRUCTION. IF EXISTING SIGNS, LIGHTS, OR DOG PARK FENCING ARE CONFLICTING WITH PLAN, CONTRACTOR TO REMOVE.



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THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND
SEALED BY AUSTIN P. BOUCHARD, P.E., ON
08/01/2022 USING A DIGITAL SIGNATURE.

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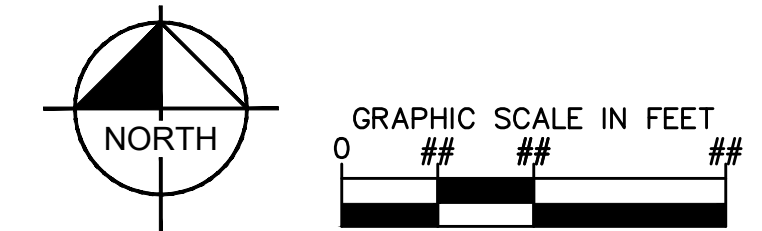
OVERALL SITE PLAN

SUNSTOP #338
PREPARED FOR
TESLA

COLUMBIA COUNTY
FLORIDA

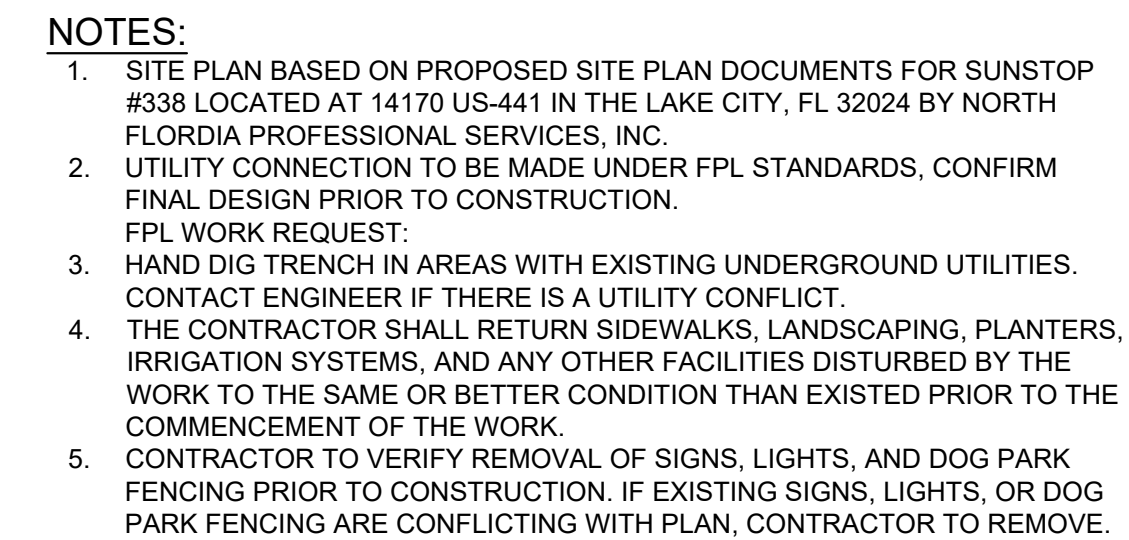
SHEET NUMBER

C-1



The site plan illustrates a proposed parking lot layout for a building. Key features include:

- Building Footprint:** Located in the upper right, with a 26.3' width and 12.2' depth.
- Proposed 133 SF Reduction of Impervious Space:** Indicated by a hatched area near the building.
- Proposed 36 SF Addition of Impervious Space:** Indicated by a hatched area near the bottom left.
- Proposed Features:**
 - Bollards:** Multiple bollards are proposed, some with dedicated signs (e.g., 2 C-3, 1 C-2).
 - Signage:** Various signs are proposed, including "PLEASE USE OTHER SIDE" signs (6 C-3) and "VAN ACCESSIBLE" signs (3).
 - Charging Posts:** Proposed Tesla charging posts (2 C-3, 7 C-3) and Tesla cabinets (1 C-3, 4 C-3).
 - Other Features:** A meter mounted to a concrete post, a transformer pad, a pump island, and a backflow preventor.
- Callout: VAN ACCESSIBLE SIGN**
 - Dimensions:** 12" x 18" with a 1/2" radius sign corner.
 - Text:** "VAN ACCESSIBLE" in white text on a solid federal blue background.
 - Symbol:** A white symbol of a person in a wheelchair.
 - Additional Text:** "DESIGNED FOR DISABLED ACCESS - USE LAST" in white text.
 - Mounting:** 60" MIN A.F.F. (Above Finish Floor).



A red rectangular sign with rounded corners. At the top is the white Tesla logo. Below it, the word "TESLA" is written in white, spaced-out capital letters. In the center is a white circle containing the number "30" in red. Below the circle, the words "30 MINUTE" and "GENERAL PARKING" are written in white, spaced-out capital letters.

12"

18"

60" MIN A.F.F.

1/2" RADIUS SIGN CORNER

WHITE SYMBOL

WHITE TEXT

SIGN TO HAVE REFLECTIVE FINISH

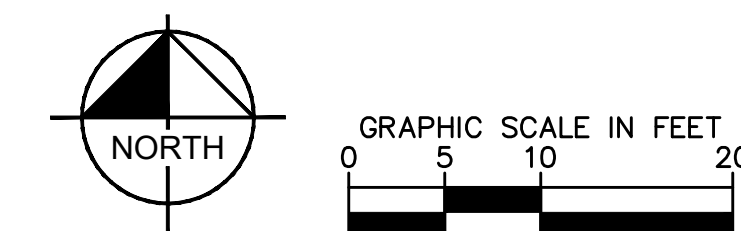
SOLID FEDERAL BLUE #15090 IN FED STANDARD 950C BACKGROUND PAINT

WHITE TEXT

VAN ACCESSIBLE

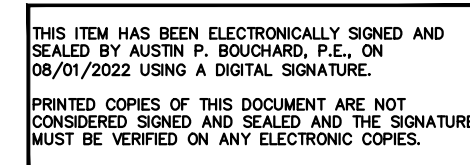
DESIGNED FOR DISABLED ACCESS - USE LAST

3 VAN ACCESSIBLE SIGN



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SITE PLAN

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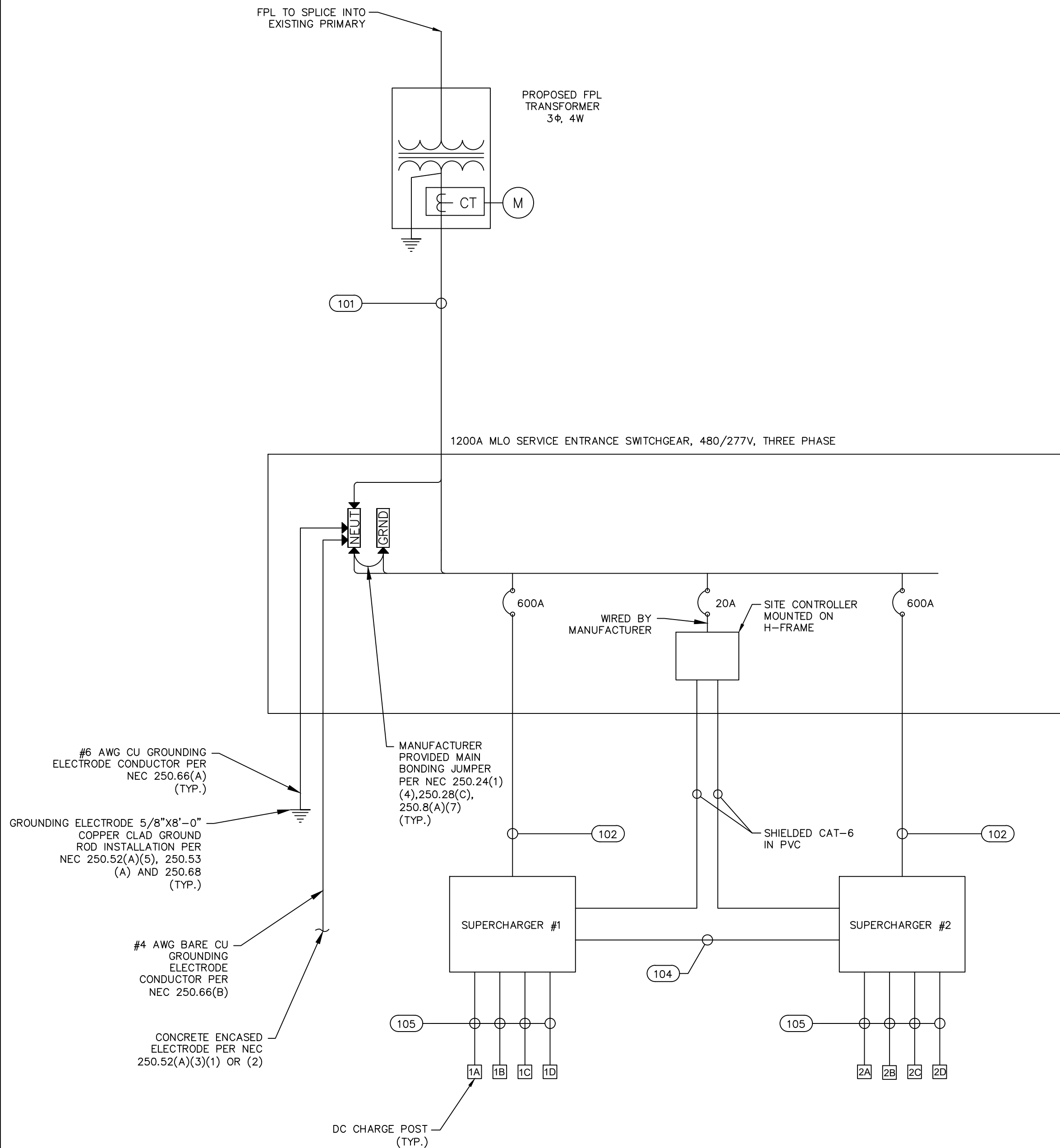
C-2

FLORIDA
COLUMBIA COUNTY

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GENERAL NOTES

1. SUPERCHARGER #1 IS DESIGNATED THE STAR-CENTER CABINET.



CONDUIT/CONDUCTOR SCHEDULE								
PATH NO.	OCP RATING (A)	WIRE MATERIAL	WIRE INSULATION	# OF SETS	WIRE SIZING PER SET	GROUND PER SET	MID GROUND	CONDUIT SIZE
101	N/A	AL	THWN-2	4	(4) 500MCM	-	-	4"
102	600	AL	THWN-2	2	(4) 500MCM	#1 AWG CU OR #2/0 AWG AL	-	4"
104	N/A	AL	XHHW-2 1000V	2	(2) 600MCM	#2/0 AWG CU OR #4/0 AWG AL	#3/0 AWG AL	4"
105	N/A	AL	XHHW-2 1000V	1	(4) 600MCM*	#1/0 AWG CU OR #3/0 AWG AL	-	4"
NOTES:								
*	RUN INCLUDES (2) POSITIVE AND (2) NEGATIVE DC CABLES. COMM WIRE TO BE RAN WITH CONDUCTORS. WIRE FURNISHED BY TESLA.							

New Panel: SB-1 Volts: 480/277V Phase: 3 Wire: 4 Hertz: 60						
MLO: 1200A Branch AIC: 65k ENCL. (NEMA): 3R						
Description of Load Served	Breaker		VA/Phase			CKT No.
	Pole	Amp	A	B	C	
SUPERCHARGER 1	3	600	129000	129000	129000	1
SUPERCHARGER 2	3	600	129000	129000	129000	2
SITE CONTROLLER	1	20	100	-	-	3
SPACE	-	-	-	-	-	4
SPACE	-	-	-	-	-	5
SPACE	-	-	-	-	-	6
Total kVA/Phase			258	258	258	
Total A/Phase			931.8	931.4	931.4	
Connected Amps			931.5			
Connected Power			774.1			
Demand Power			967.6			

Notes:

PROPOSED SECONDARY SERVICE LENGTH			PROPOSED CONDUIT TO SUPERCHARGER LENGTH			PROPOSED CONDUIT TO DC POST LENGTHS				
	LINEAR LENGTH	*TOTAL ESTIMATED LENGTH	SWITCHGEAR TO SUPERCHARGER #	LINEAR LENGTH	*TOTAL ESTIMATED LENGTH	SUPERCHARGER	CHARGE POST	LINEAR LENGTH	*TOTAL ESTIMATED LENGTH	
TRANSFORMER TO SWITCHGEAR	5'	30'	SUPERCHARGER #1	5'	30'	1	1A	90'	115'	
**TOTAL ESTIMATED LENGTH OF WIRE		480'	SUPERCHARGER #2	10'	35'		1B	80'	105'	
NOTES:							1C	70'	95'	
							1D	55'	80'	
*	* 25 FEET IS ADDED TO HORIZONTAL RUN LENGTH TO ACCOUNT FOR BURIED DEPTH AND CONNECTIONS.		**TOTAL ESTIMATED LENGTH OF AC WIRE		520'	2	2A	45'	70'	
			***TOTAL ESTIMATED LENGTH OF GROUND WIRE		130'		2B	35'	60'	
			NOTES:				2C	25'	50'	
**	** ESTIMATED WIRE LENGTH INCLUDES (4) WIRE IN EACH OF (4) CONDUIT PER RUN.						2D	45'	70'	
			* 25 FEET IS ADDED TO HORIZONTAL RUN LENGTH TO ACCOUNT FOR BURIED DEPTH AND CONNECTIONS.		**TOTAL ESTIMATED LENGTH OF AC WIRE		2580'			
			***TOTAL ESTIMATED LENGTH OF GROUND WIRE		645'					
					NOTES:					
			**	ESTIMATED WIRE LENGTH INCLUDES THE SUM OF ALL RUNS WITH (4) WIRE IN EACH OF (2) CONDUIT PER RUN.		*	25 FEET IS ADDED TO HORIZONTAL RUN LENGTH TO ACCOUNT FOR BURIED DEPTH AND CONNECTIONS.			
			***	ESTIMATED WIRE LENGTH INCLUDES THE SUM OF ALL RUNS WITH (1) WIRE IN EACH OF (2) CONDUIT PER RUN.						
							**	ESTIMATED WIRE LENGTH INCLUDES THE SUM OF ALL RUNS WITH (4) WIRE IN EACH OF (1) CONDUIT PER RUN.		
							***	ESTIMATED WIRE LENGTH INCLUDES SUM OF ALL RUNS WITH (1) WIRE IN EACH OF (1) CONDUIT PER RUN.		

BREAKER TRIP SETTINGS
600A SUPERCHARGER BREAKER: (EATON CAT. #PDG33M0600TFAN)
- THERMAL: FIXED
- INST. = 5

UTILITY S.O.W. RESPONSIBILITIES		
SCOPE OF WORK	BY UTILITY	BY CONTRACTOR
INSTALL PRIMARY CONDUIT WITH PULL STRING		X
INSTALL PRIMARY CONDUCTORS	X	
PROVIDE & INSTALL UTILITY TRANSFORMER	X	
PROVIDE & INSTALL TRANSFORMER PAD AND GROUNDING		X
PROVIDE & INSTALL SECONDARY CONDUIT AND CONDUCTORS TO SWITCHGEAR		X
PROVIDE & INSTALL METER SOCKET		X
TERMINATE SECONDARY CONDUCTORS IN SWITCHGEAR		X
PROVIDE & INSTALL METER IN METER SOCKET	X	

SYSTEM PLACARDS

TESLA SUPERCHARGER
XXXX STREET NAME
1-877-798-3752

ATTACH ON FRONT OF SWITCHBOARD

TESLA EV SYSTEM
DISCONNECT

ATTACH ON SWITCHBOARD MAIN
DISCONNECT

PLACARD NOTES:

PLACARDS TO BE MADE OF RED PHENOLIC PLASTIC W/ 1" WHITE LETTERING. ATTACH PLACARDS WITH RIVETS OR SELF-TAPPING SCREWS

ADDITIONAL PLACARDS REQUIRED FOR ARC FLASH LABELS

[illegible]

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