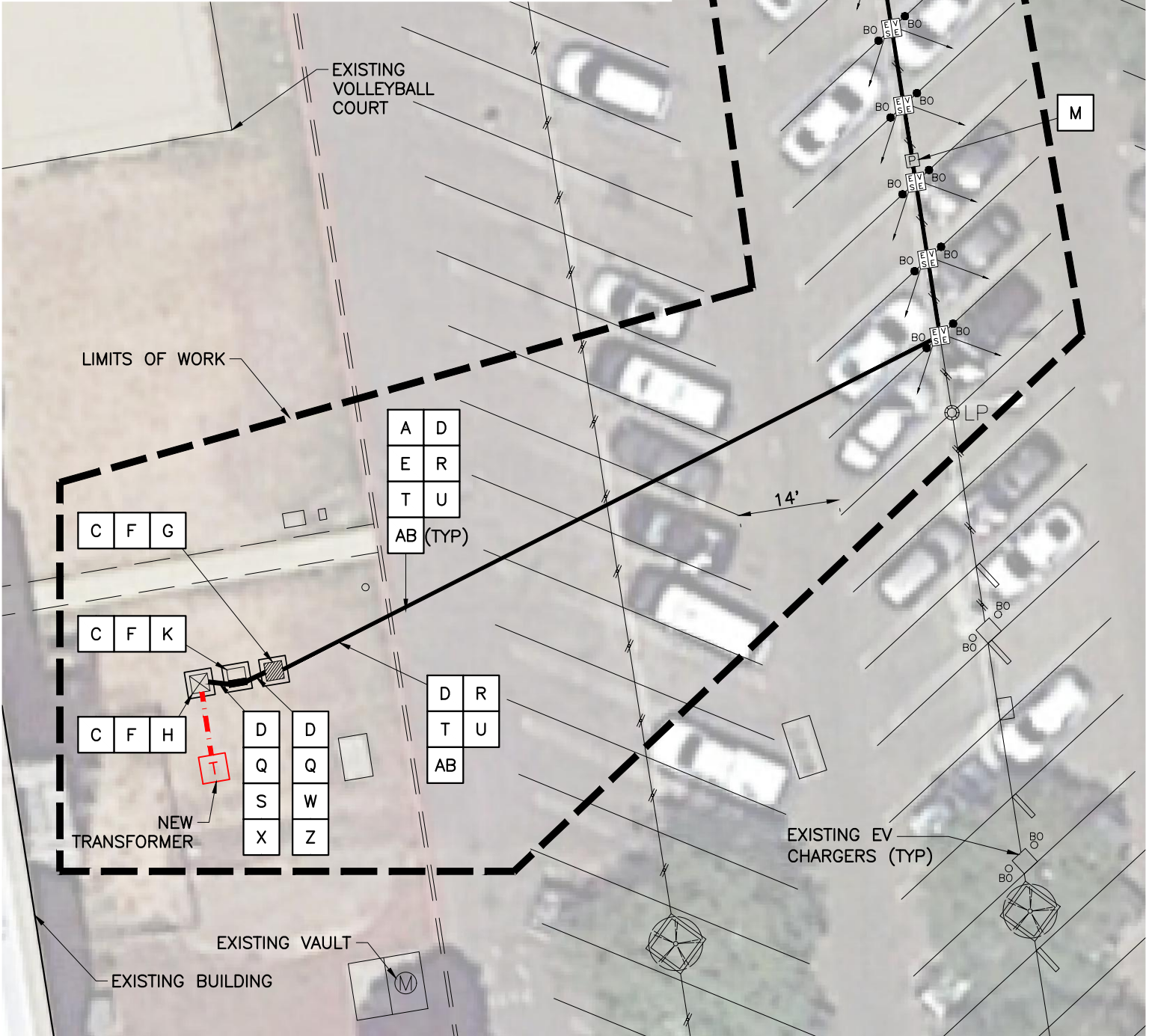
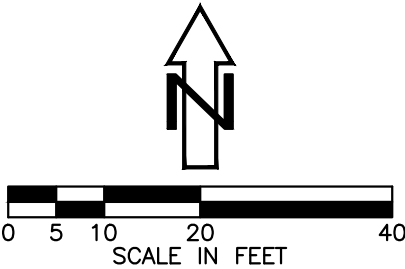


NOTES:

- 1. UTILITY DISTRIBUTION INFRASTRUCTURE SHOWN IN RED BUILT BY OTHERS AND SHOWN ONLY FOR PROJECT CLARITY AND COORDINATION.
 - 2. IMPACTED EXISTING PARKING = 16 TOTAL SPACES; 16 STANDARD SPACES
 - 3. PROPOSED CHARGING = 16 TOTAL SPACES; 16 FLEET SPACES
 - 4. EVSE LAYOUT BASED ON USE OF DUAL PORT STYLE CHARGERS
 - 5. PULL BOXES TO BE INSTALLED AS NEEDED
 - 6. PROPOSED SERVICE PANEL MAY BE STANDARD OR 100% RATED. SEE SINGLE LINE FOR CLARIFICATION.
- *LINEAR FOOTAGE QUANTITIES INCLUDE VERTICAL TRAVEL



CUSTOMER INFRASTRUCTURE IMPROVEMENTS		
CONSTRUCTION NOTES		E.Q.
A	REMOVAL OF HARDEN SURFACING	330 SF
C	REMOVE VEGETATION	95 SF
D	2' WIDE UTILITY TRENCH	195 LF
E	PROPOSED ASPHALT PAVEMENT	330 SF
F	PROPOSED CONCRETE	110 SF
G	INSTALL 400 AMP DISTRIBUTION SUBPANEL	1 UNIT
H	INSTALL 200 AMP SERVICE METER (NO PANELBOARD)	1 UNIT
K	INSTALL 150 KVA STEP DOWN TRANSFORMER	1 UNIT
M	INSTALL PULL BOX	1 UNIT
Q	INSTALL BELOW GRADE PVC CONDUIT +2"	55 LF
R	INSTALL BELOW GRADE PVC CONDUIT <2"	2,590 LF
S	#2 WIRE CONDUCTOR	20 LF
T	#4 WIRE CONDUCTOR	3,710 LF
U	#6 WIRE CONDUCTOR	4,505 LF
W	1/0 WIRE CONDUCTOR	40 LF
X	3/0 WIRE CONDUCTOR	55 LF
Z	250 MCM WIRE CONDUCTOR	145 LF
AB	DATA CAT5E CABLE	1,370 LF
AF	INSTALL SITE BOLLARDS	16 UNITS



SYMBOL LEGEND:

- BO EXISTING BOLLARD
- EXISTING WHEELSTOP
- EXISTING SIGN
- ⊗LP EXISTING LIGHT POLE
- Ⓜ EXISTING MANHOLE
- BO PROPOSED BOLLARD
- P PROPOSED PULL BOX
- ⊠ PROPOSED SERVICE METER
- ▢ PROPOSED STEP DOWN TRANSFORMER
- ▨ PROPOSED DISTRIBUTION SUBPANEL
- EVSE DUAL PORT EVSE
- Ⓣ SCE TRANSFORMER, T&D
- - - SCE ELECTRICAL SERVICE SUPPLY TO METER, BY T&D
- - - LIMITS OF WORK
- ELECTRICAL FROM METER TO PANEL (+2")
- ELECTRICAL FROM PANEL TO EVSE, DEDICATED CIRCUIT PER EVSE (<2")
- ▨ PROPOSED CONCRETE

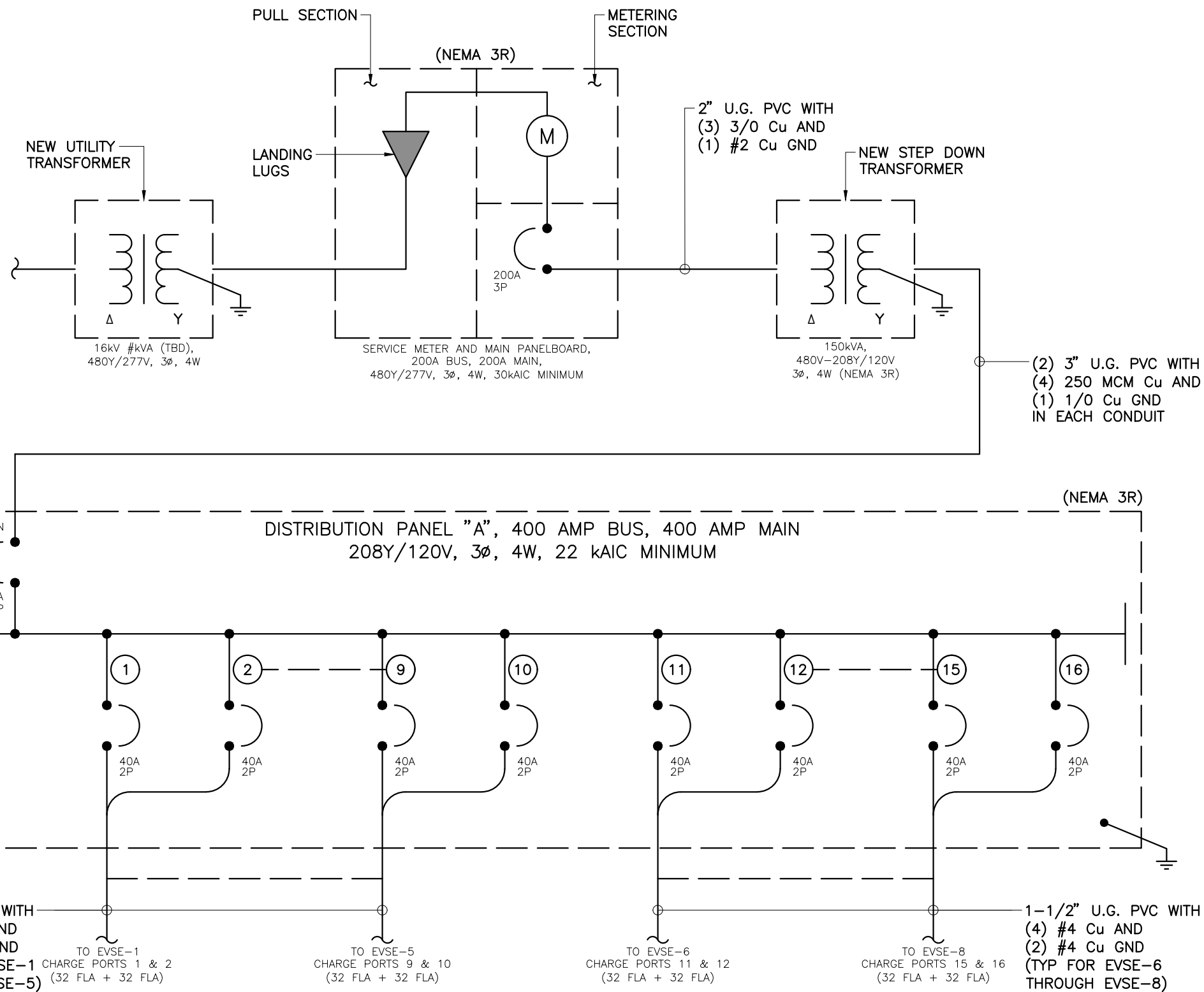
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SCE CHARGE READY PROGRAM

0207 COUNTY OF VENTURA
EVSE SITE IMPROVEMENTS
DEFINED PLAN

DR. BY MJ
CH. BY RF
DATE 06/20/19
SCALE: AS NOTED

SHEET NO. 1
OF 2 SHEETS




NOTES:

- TOTAL CONNECTED 3-PH KVA: 112.84 KVA AT 0.95PF
- STANDARD RATED SERVICE PANELS, OVER CURRENT PROTECTION DEVICES AND WIRE SIZES BASED ON CEC/NEC REQUIREMENTS AT 125% CONTINUOUS LOAD. 100% RATED SERVICE PANELS, OVER CURRENT PROTECTION DEVICES AND WIRE SIZES BASED ON CEC/NEC REQUIREMENTS AT 100% CONTINUOUS LOAD.
- TRANSFORMER LOADING BASED ON KVA REQUIREMENTS OF CHARGER AT 0.95 PF PER SCE (6.7KVA/CHARGER).
- (#), INDIVIDUAL CHARGE PORT NUMBER. THIS IS NOT BREAKER SPACE OR EVSE NUMBER.
- (#) — (#), INDIVIDUAL CHARGE PORT NUMBER TYPICAL FOR PORTS (#) THROUGH (#).
- PER NEC 210.19 (A) INFORMATIONAL NOTE #4, "CONDUCTORS FOR BRANCH CIRCUITS AS DEFINED IN ARTICLE 100, SIZED TO PREVENT A VOLTAGE DROP EXCEEDING 3 PERCENT AT THE FARTHEST OUTLET OF POWER, HEATING, AND LIGHTING LOADS, OR COMBINATION OF SUCH LOADS, AND WHERE THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST OUTLET DOES NOT EXCEED 5%."
- ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) CAN BE DUAL CHARGE OR SINGLE CHARGE PORT DEPENDANT ON LOCATION SEE DEFINED PLAN AND SINGLE LINE FOR NUMBER OF CHARGE PORTS.
- MAXIMUM VOLTAGE DROP FOR CONDUCTORS: #6 WIRE = 2.8%, #4 WIRE = 2.1%, 3/0 WIRE = 0.1%, 250 MCM WIRE = 0.2%
- DIAGRAM ASSUMES CHARGER AND CONTROLLER ARE ONE (1) SELF CONTAINED UNIT.

SINGLE LINE DIAGRAM

NOT TO SCALE

 Blair, Church & Flynn CONSULTING ENGINEERS	CONSULTANT Blair, Church & Flynn Consulting Engineers 481 Santa Monica, Suite 200 Clovis, California 93612 Tel (559) 326-1400 Fax (559) 326-1500	SCE CHARGE READY PROGRAM			
		0207 COUNTY OF VENTURA EVSE SITE IMPROVEMENTS SINGLE LINE		DR. BY MJ CH. BY RF DATE 06/20/19 SCALE: AS NOTED	SHEET NO. 2 OF 2 SHEETS