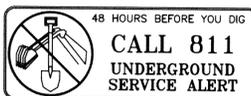


GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE SPECIFICATIONS AND STANDARD PLANS OF THE CITY OF CORONA PUBLIC WORKS AND DEPARTMENT OF WATER AND POWER, AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THESE DRAWINGS AND THE DATA HEREIN ARE MADE PART OF THE CONTRACT DOCUMENTS.
- PRIOR TO ANY CONSTRUCTION WORK, THE CONTRACTOR SHALL OBTAIN A CITY BUSINESS LICENSE.
- INSPECTION TO BE CALLED FOR THROUGH THE CITY OF CORONA PUBLIC WORKS: (951) 279-3597, 48 HOURS PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (1-800-422-4133) TWO FULL WORKING DAYS (48 HOURS MINIMUM) IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES, AND OBTAIN AN IDENTIFICATION NUMBER PRIOR TO PERMIT ISSUANCE, INCLUDING PAVEMENT REMOVAL, EXCAVATION AND A.C. OVERLAY, WHICH COULD AFFECT ANY UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AT LEAST TWO FULL WORKING DAYS (48 HOURS MINIMUM) PRIOR TO BEGINNING ANY CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.
- THE CONTRACTOR SHALL EXCAVATE INSPECTION HOLES (POT HOLES) AND DETERMINE THE LOCATIONS AND DEPTH OF ALL UNDERGROUND STRUCTURES AND UTILITIES THAT ARE IN THE CITY OF AND/OR MAYBE AFFECTED BY THE PROPOSED IMPROVEMENT WORK PRIOR TO PERFORMING ANY CONSTRUCTION WORK WHICH COULD BE DAMAGE OR CONFLICT WITH SAID STRUCTURES AND/OR UTILITIES.
- ALL MATERIALS AND METHODS TO BE SUBJECT TO THE APPROVAL OF THE CITY'S AUTHORIZED REPRESENTATIVE.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING DAMAGED OR ALTERED EXISTING IMPROVEMENTS WITHIN PUBLIC RIGHT-OF-WAY OR PROJECT SITE AS DIRECTED BY THE CITY'S AUTHORIZED REPRESENTATIVE, TO PRE-CONSTRUCTION CONDITION OR BETTER.
- IF ANY EXISTING UTILITIES OR ANY OTHER FACILITIES CONFLICTS WITH PROPOSED IMPROVEMENTS, WORK IN THE EFFECTED AREA SHALL STOP AND THE CITY'S AUTHORIZED REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY.
- ALL IRRIGATION LINES AND LANDSCAPING EFFECTED BY CONTRACTOR'S WORK SHALL BE REPLACE IN KIND AT NO COST TO THE OWNER. CONTRACTOR SHALL INSURE IRRIGATION SYSTEM REMAINS OPERATIONAL AT ALL TIMES.
- ALL SURVEY MONUMENTS SHALL BE PROTECTED MAINTAINED IN PLACE. ANY DISTURBED OR COVERED MONUMENTS SHALL BE RESET BY A REGISTERED CIVIL ENGINEER OR LAND SURVEYOR AT THE DIRECTION OF THE CITY'S AUTHORIZED REPRESENTATIVE AND SHALL BE INCLUDED IN THE PRICE FOR THE WORK.
- AS-BUILT ORIGINAL PLANS TO BE FURNISHED TO THE CITY OF CORONA PRIOR TO FILING THE NOTICE OF COMPLETION AND SUBSEQUENT RELEASE OF RETENTION.
- THE FINAL SURFACE LAYER OR ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON-SITE AND OFF-SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL GRADING AND ALL UNACCEPTABLE CONCRETE WORK AND DEBRIS HAS BEEN REMOVED UNLESS APPROVED OTHERWISE IN WRITING BY THE CITY'S AUTHORIZED REPRESENTATIVE.
- ALL TRENCH BEDDING AND BACKFILL AT THE IMPROVED SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE SECTION OF CITY OF CORONA STANDARD PLAN 108-0 & 108-1 EXCEPT THAT EXCAVATED MATERIALS CONSIDERED AS SUITABLE FOR BACKFILL BY THE SOILS ENGINEER AND APPROVED BY THE CITY'S AUTHORIZED REPRESENTATIVE. MAY BE USED FOR BACKFILL. IN ADDITION, ALL TRENCH BEDDING AND BACKFILL SHALL BE CONTINUOUSLY INSPECTED, TESTED, AND CERTIFIED BY A SOILS ENGINEER. CERTIFICATION SHALL BE ON A CITY "SUPERVISED TRENCH BEDDING AND BACKFILL INSPECTION CERTIFICATE." FIELD DENSITY TEST SHALL BE MADE AT A FREQUENCY DETERMINED BY THE SOILS ENGINEER AND AS APPROVED BY THE CITY'S AUTHORIZED REPRESENTATIVE. PRIOR TO ACCEPTANCE OF THE TRENCH BEDDING AND BACKFILL BY THE CITY, THE SOILS ENGINEER SHALL SUBMIT A CERTIFIED REPORT TO THE CITY'S AUTHORIZED REPRESENTATIVE SUMMARIZING ALL TESTS TAKEN, INCLUDING DATES AND LOCATIONS.
- TRENCHES SHALL HAVE SHAPED BEDDING.
- NO TRENCH MAY BE LEFT OPEN OVERNIGHT UNLESS AUTHORIZED IN WRITING BY THE CITY'S AUTHORIZED REPRESENTATIVE.
- ALL UTILITIES SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO FINAL STREET PAVING.
- DISPOSAL OF ALL UNUSED MATERIALS, A.C. PAVEMENT, BASE, SOIL, PRETREATED BASE, ETC. SHALL BE INCLUDED AS PART OF THE CONTRACTOR'S UNIT PRICE AND/OR LUMP SUM PRICE FOR THE WORK.
- THE LOCATION OF EXISTING FEATURES AS INDICATED ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING FEATURES.
- HOURS OF OPERATION/CONSTRUCTION ARE TO BE BETWEEN 8:30 A.M. AND 3:30 P.M. IN RIGHT-OF-WAY AND BETWEEN 7:00 A.M. AND 5:00 P.M. ON SITE.
- DURING THE WORKING DAY TRENCHES MAY BE LEFT OPEN ACROSS ONLY ONE ACCESS STREET AT A TIME. NO TRENCH MAY BE LEFT OPEN OVERNIGHT.
- ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS, AND THOSE SHOWN ON THE RECORDS EXAMINED, ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR, BY ACCEPTING A CONTRACT TO BUILD IN ACCORDANCE WITH THESE PLANS OR PROCEEDING WITH THE IMPROVEMENTS PURSUANT THERETO, AGREES TO ASSUME LIABILITY AND TO HOLD THE OWNER AND THE OWNER'S CONSULTANT HARM/LESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THOSE REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO VERIFY THE LOCATION OF AND TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.
- ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATION" OF THE U.S. DEPARTMENT OF LABOR, AND WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS."
- CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, IDENTIFY AND HOLD THE OWNER AND THE OWNER'S CONSULTANT HARM/LESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, OR THE OWNER'S CONSULTANT.
- THE ESTIMATED QUANTITIES HEREON ARE ONLY FOR THE PURPOSE OF OBTAINING THE NECESSARY PERMITS, AND DOES NOT GUARANTEE THE ACCURACY OF THE ESTIMATED QUANTITIES. THE CONTRACTOR SHALL PERFORM HIS OWN QUANTITY TAKEOFF BEFORE SUBMITTING A BID FOR ANY PORTION OF THE IMPROVEMENTS COVERED BY THESE PLANS.
- ALL GRADING, EXCAVATION, REMOVAL AND RECOMPACTION SHALL BE IN ACCORDANCE WITH THE LATEST SOILS REPORT. THE PRELIMINARY SOILS REPORT AND ALL SUBSEQUENT REPORTS AS APPROVED BY THE CITY OF CORONA ARE CONSIDERED A PART OF THIS PROJECT.
- UNAUTHORIZED CHANGES & USES CAUTION: THE DESIGNER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES' LINES AND STRUCTURES WHETHER SHOWN OR NOT SHOWN ON THIS PLAN, AND SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REPORT DISCREPANCIES IN PLANS AND/OR FIELD CONDITIONS IMMEDIATELY TO DESIGNER FOR RESOLUTION PRIOR TO CONSTRUCTION, AND SHALL BE RESPONSIBLE FOR DISCREPANCIES NOT SO REPORTED AND RESOLVED.
- THE CONTRACTOR IS REQUIRED TO COMPLY WITH ALL THE PROVISIONS AND REQUIREMENTS OF TITLE 7 OF THE CALIFORNIA CIVIL CODE.



THE CITY OF CORONA, CALIFORNIA

DEPARTMENT OF WATER AND POWER

CORONA POINTE ELECTRICAL VEHICLE CHARGING STATIONS



TELEPHONE NUMBERS:

EMERGENCY:
 CORONA POLICE DEPARTMENT 911 OR (951) 736-2333
 CORONA FIRE DEPARTMENT 911 OR (951) 736-2222
 CORONA COMMUNITY HOSPITAL, 812 S. WASHBURN (951) 737-4343

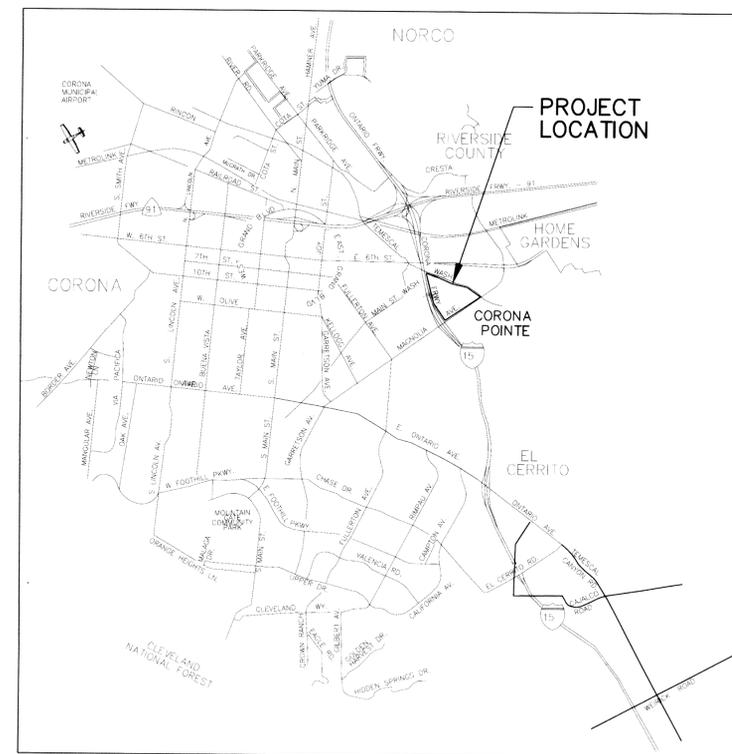
UTILITIES:
 UNDERGROUND SERVICE ALERT (USA) CALL: 811
 CITY OF CORONA DEPARTMENT OF WATER AND POWER (CDWP) (951) 736-2234
 SOUTHERN CALIFORNIA GAS (800) 427-2200
 SOUTHERN CALIFORNIA EDISON (800) 611-1911
 AT&T (951) 811-2130
 AMERICAN TELEPHONE AND TELEGRAPH (951) 381-7380
 SPRINT (FIBER OPTICS) (800) 521-0579

OTHERS:
 CORONA PUBLIC WORKS DEPARTMENT (951) 739-4943
 R.F. DICKSON STREET SWEEPING (800) 841-7994
 WESTERN WASTE (951) 737-0343
 CORONA POLICE DEPARTMENT (FOR STREET CLOSURE) (951) 736-2330
 CORONA FIRE DEPARTMENT (FOR STREET CLOSURE) (951) 736-2220
 CORONA PARKS AND COMMUNITY SERVICES (951) 736-2241

	EXISTING WATER
	EXISTING SEWER
	EXISTING STORM DRAIN GREATER THAN 58"
	EXISTING STORM DRAIN
	EXISTING GAS
	EXISTING ELECTRIC
	EXISTING TELEPHONE
	EXISTING FIBER OPTIC CABLE
	RIGHT OF WAY
	CENTERLINE
	STORM DRAIN MANHOLE
	ELECTRICAL, TELEPHONE, OR FOC BOX
	DEMOLISH
	PME
	PMT
	EV CHARGING STATION

ABBREVIATIONS:

ELEC	ELECTRICAL
PMT	PAD MOUNTED TRANSFORMER
PME	PAD MOUNTED ENCLOSURE SWITCH
UND	UNDERGROUND
TYP.	TYPICAL
4WGS	4-WAY GAS SWITCH
EC	ELECTRICAL CONTRACTOR
F.S.T.	FUSE AND SWITCHED TRANSFORMER
N.O.	NORMALLY OPEN
N.C.	NORMALLY CLOSED
C.O.	CONDUIT ONLY



LOCATION MAP
N.T.S.

GENERAL ELECTRICAL NOTES:

- CONTRACTOR SHALL PROCURE AND PROVIDE ALL MATERIAL NECESSARY TO BUILD AND INSTALL THE ELECTRICAL SYSTEM PER THE APPROVED PLANS AND SPECIFICATIONS.
- ALL TRANSFORMERS SHALL BE SWITCHED AND FUSED - NO EXCEPTIONS.
- ALL 12KV CABLE SHALL BE JCN RATED CABLE - JACKETED CONCENTRIC NEUTRAL, 220 MILS INSULATION, 15KV RATED.
- ALL 200 AMP ELBOWS SHALL BE LOAD BREAK TYPE, UNLESS NOTED OTHERWISE.
- ALL PME'S MUST HAVE 200 AMP SMU FUSE COMPARTMENTS.
- ALL STRUCTURES TO BE LABELED "CDWP ELECTRIC" ON ALL LIDS AND COVERS.
- CONSULT WITH CORONA DWP ENGINEER, PRIOR TO PROCURING ALL ELECTRICAL DISTRIBUTION APPARATUS AND EQUIPMENT.
- ALL STRUCTURES SHALL HAVE TWO GROUND RODS CONNECTED WITH #4/0 B.C. ALL STRUCTURES SHALL BE GROUNDED AND BONDED PER THE CDWP UNDERGROUND SPECIFICATIONS AND STANDARDS.
- CONTRACTOR SHALL LABEL ALL UNDERGROUND STRUCTURES, VAULTS, MANHOLES, BURDS, PULLBOXES, ELECTRICAL EQUIPMENT, DISTRIBUTION FEEDERS AND SERVICE CONDUCTORS ACCORDING TO THE APPROVED DRAWINGS.

INDEX OF SHEETS

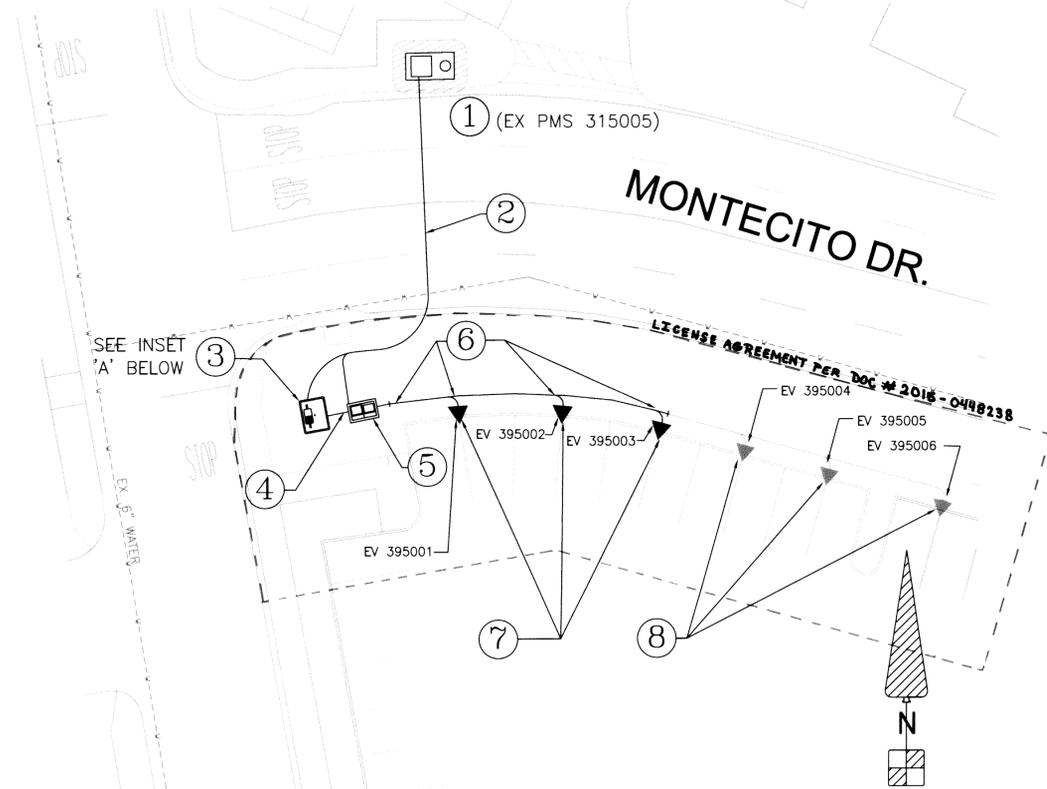
DWG NO.	SHEET NO.	DESCRIPTION
E-1	1	TITLE SHEET, LOCATION MAP, GENERAL NOTES SYMBOLS AND ABBREVIATIONS
E-2	2	ELECTRIC VEHICLE CHARGER STATION INSTALLATION PLAN
E-3	3	SINGLE LINE DIAGRAM AND SCHEDULES



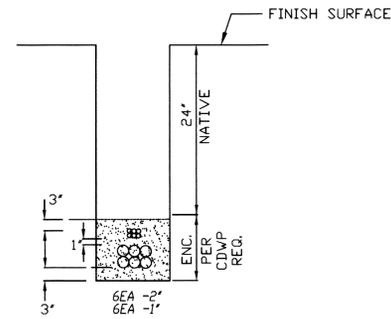
PLANS PREPARED BY:
Pacific UTILITY
 INSTALLATION, INC.
 1585 HARMONY CIRCLE ANAHEIM, CA 92807 LIC #733207 (714) 970-6430 Fax (714) 970-1163

CITY OF CORONA 400 SOUTH VICENTIA AVENUE	Designed by	Drawn by	Checked by	REFERENCE PLAN 15-049EL	1/29/16	TS	1-29-16 REVISED PER CITY COMMENTS	BENCH MARK	Engineering	Approved By:	10-17-2016	CITY OF CORONA CORONA POINTE ELECTRICAL VEHICLE CHARGING STATIONS	Drawing No.
	PLANS PREPARED UNDER SUPERVISION OF			Reference Plans for these Improvements	Date	By	REVISIONS	Scale	DWP	Nelson D. Nelson City Engineer R.C.E. No. 54435	Date		15-049EL
												E-1	
												Sh 1 of 3	

SITE PLAN
SCALE: 1"=20'



TYPICAL TRENCH SECTION (NTS)

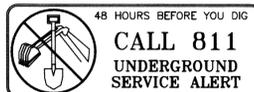
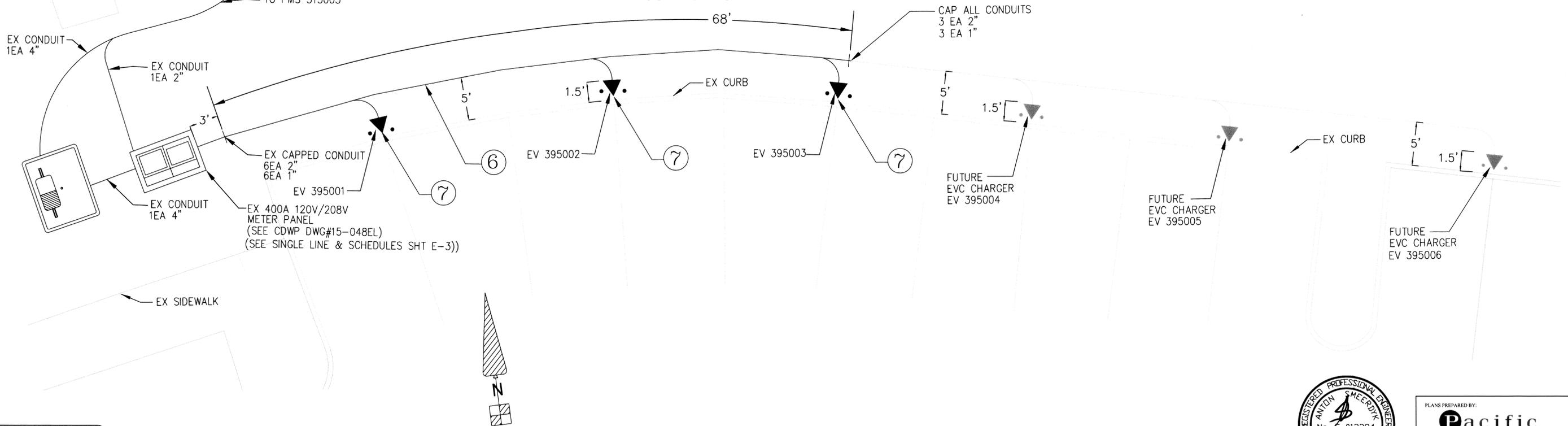


EV INSTALLATION SCOPE OF WORK

- ① EX: - PMS 315005
- ② EX: - CONDUIT & CABLE (NOTE 2-5 INSTALLED PER REFERENCE CDWP DWG# 15-048EL)
- ③ EX: - 150KVA 12KV 208V/120V 3PH/4W PM TRANSFORMER
- ④ EX: - CONDUIT AND CABLE. (TRANSFORMER TO METER PANEL)
- ⑤ EX: - 400A 208V/120V 3PH/4W METER PANEL, TYPE GE-SPECTRA BOLT-ON AV2 SWB (108A)
1EA - 400A BREAKER
12EA. 40A DUAL POLE (NON-GFCI) TYPE BREAKERS
6EA. 2" CONDUITS CAPPED OFF (POWER)
6EA. 1" CONDUIT CAPPED OFF (COMM)
- ⑥ PROVIDE AND INSTALL: 3EA - CONCRETE PADS AND PROTECTIVE BOLLARDS (2EA AT EACH PAD)
NOTE: SEE FOUNDATION DETAIL PER MANUFACTURERS SPECIFICATION (SHEET E-3)
-FOR CHARGEPOINT - MODEL CT4021-GW1 FAMILY CHARGING STATIONS.
CONTRACTOR TO PROVIDE PAD DETAILS FOR EVC STATIONS IN THE PROPOSAL.

PROVIDE AND INSTALL: 1EA - 2" CONDUIT FROM EX METER PANEL PICK-UP POINT TO EACH CHARGING STATION.
1EA - 1" CONDUIT FROM EX METER PANEL PICK-UP POINT TO EACH CHARGING STATION. (FUTURE COMMUNICATION CONDUIT)
- PROVIDE AND INSTALL: 1EA - 2" CONDUIT FROM EX METER PANEL PICK-UP POINT TO CAP FOR EACH FUTURE EV.
1EA - 1" CONDUIT FROM EX METER PANEL PICK-UP POINT TO EACH FUTURE CHARGING STATION. (FUTURE COMMUNICATION CONDUIT)
- PROVIDE AND INSTALL: 2 - #8 208V SINGLE PHASE CONDUCTOR + 1-#8 GROUND FROM METER PANEL TO EACH CHARGING STATION.
- ⑦ PROVIDE AND INSTALL: 3EA - CHARGEPOINT TYPE CT4021-GW1 FAMILY CHARGING STATIONS.
NOTE: CHARGER STATION LOAD TO BE EQUALLY PHASE BALANCED TO THE TRANSFORMER.
- ⑧ FUTURE INSTALL: 3EA - CHARGEPOINT TYPE CT4021-GW1 FAMILY CHARGING STATIONS.
(FOR REFERENCE ONLY)

INSET 'A'
SCALE: 1"=5'



CITY OF CORONA
400 SOUTH VICENTIA AVENUE

Designed by _____ Drawn by _____ Checked by _____
PLANS PREPARED UNDER SUPERVISION OF
Date _____ R.C.E. No. _____

REFERENCE PLAN 15-048EL	1/28/16	TS	1-29-16 REVISED PER CITY COMMENTS	BENCH MARK
	2/12/16	TS	2-12-16 REVISED PER CITY COMMENTS	
Reference Plans for these Improvements	Date	By	REVISIONS	App'd

Engineering _____
Planning _____
DWP _____

Approved By: *Nelson D. Neison* 10-17-2016
Nelson D. Neison City Engineer Date
R.C.E. No. 54435



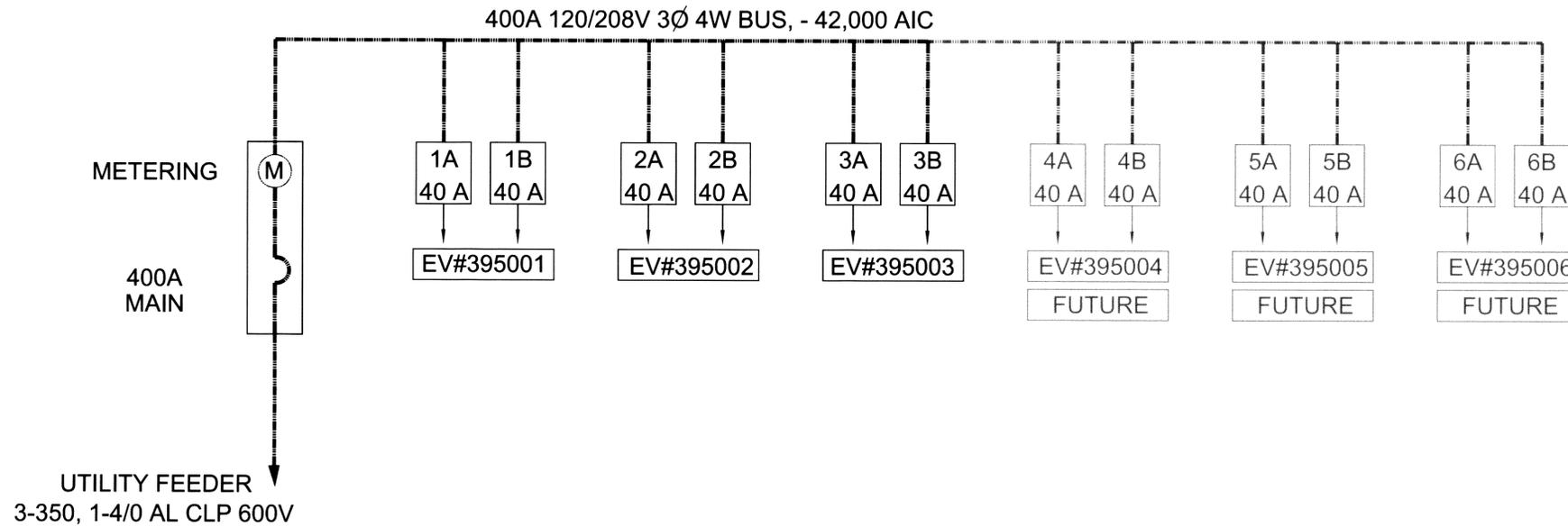
PLANS PREPARED BY:
Pacific UTILITY INSTALLATION, INC.
1585 HARMONY CIRCLE ANAHEIM, CA 92807 LIC #733207 (714) 970-6430 Fax (714) 970-1163

CITY OF CORONA
CORONA POINTE
ELECTRICAL VEHICLE CHARGING STATIONS

Drawing No. 15-049EL
E-2
Sh 2 of 3

24" x 36"

CORONA POINTE ELECTRICAL PANEL SINGLE LINE DIAGRAM



ELECTRICAL PANEL SCHEDULE *					
Description	BUS RATING 400 AMPS			120/208V 3Ø 4W CONCRETE PAD MOUNTED	
	A Ø	B Ø	C Ø	CKT AMPS	BKR
MAIN BKR					400 M
EVC-CT4021-GW1-#395001	3,328	3,328		32	40 1
EVC-CT4021-GW1-#395002	3,328	3,328		32	40 2
EVC-CT4021-GW1-#395003	3,328	3,328		32	40 3
EVC-CT4021-GW1-#395004 (FUTURE)	3,328	3,328		32	40 4
EVC-CT4021-GW1-#395005 (FUTURE)	3,328	3,328		32	40 5
EVC-CT4021-GW1-#395006 (FUTURE)	3,328	3,328		32	40 6
MAX. TOTAL (VA)	26,624	26,624	26,624	32	40 12

* SEE DWG 15-048EL SHT E2 FOR ADDITIONAL METER PANEL SPECIFICATION DETAILS.

Total Connected - (VA)	79,872
Total Panel Load - (kVA)	79.87
Total Panel AMPS - (208V)	221.7

CORONA POINTE - ELECTRICAL CABLE/CONDUIT SCHEDULE								
CKT NO	LOAD AMPS*	CABLE TYPE	CABLE SIZE	GROUND SIZE	NEUTRAL SIZE	CONDUIT SIZE	LATERAL LENGTH	CABLE LENGTH
FEEDER	277.1	AL	3-350	-	1-4/0	4"	95	110
EV#395001	40.0	CU	2-#8	1-#8	-	2.0"	19	27
EV#395002	40.0	CU	2-#8	1-#8	-	2.0"	41	45
EV#395003	40.0	CU	2-#8	1-#8	-	2.0"	63	63
EVC FUT 1	**					2.0"	63	Fut
EVC FUT 2	**					2.0"	63	Fut
EVC FUT 3	**					2.0"	63	Fut

* LDL @ 125% ** PANEL TO CAP

FOUNDATION DETAIL

Casting into New Concrete

Before casting into new concrete, review the site for suitability to install a CT4000. The CT4000's Clean Cord Technology requires space behind the power stub-up for the Cord Management Kit (CMK). To ensure adequate space, refer to the illustrations below and to the CT4000 Installation Template (75-001094-01) included in this installation kit.

IMPORTANT

- Always check local codes to ensure compliance. You may need to adjust these instructions to comply with codes that apply at your installation location.
- The concrete block must measure at least 24" on all sides.
- The bolt threads must extend 3" above the concrete.
- The conduit must be at least 1 1/2" in diameter and extend 12" to 24" above the concrete.
- Refer to the CT4000 Installation Guide for detailed installation instructions.

Kit Components Needed

You will need the entire contents of the CT4000 Concrete Mount Kit.

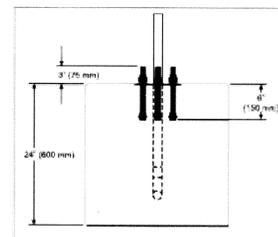
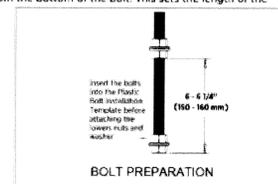
Follow These Steps

- Install two nuts, with two washers captured between them, onto each of the three bolts, as illustrated. Lock them together so the lower end of the upper nut is located 6 - 6 1/4" from the bottom of the bolt. This sets the length of the exposed threads.
- Insert the three bolts through the Plastic Bolt Installation Template. This ensures the relative position of the bolts and that the flange of the pole fits over the bolts.
- On the bottom of each bolt, install a nut, a washer, and a nut. Lock the two nuts together so that the lower nut aligns to the bottom of the bolt.
- Immediately after pouring the concrete, push the bolts into the concrete 6" deep, as illustrated. Ensure correct alignment and that the top 3" of the bolts remain exposed. Rotate the bolts as you insert them to draw concrete into the threads.

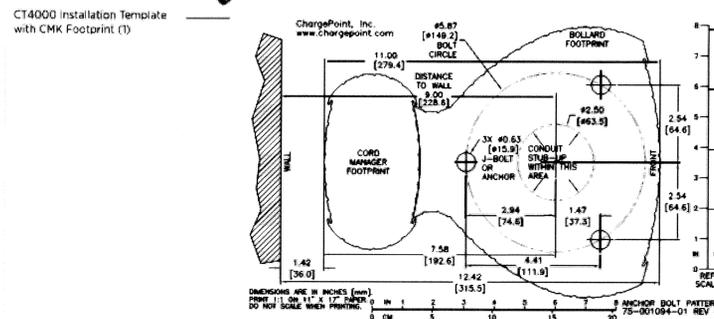
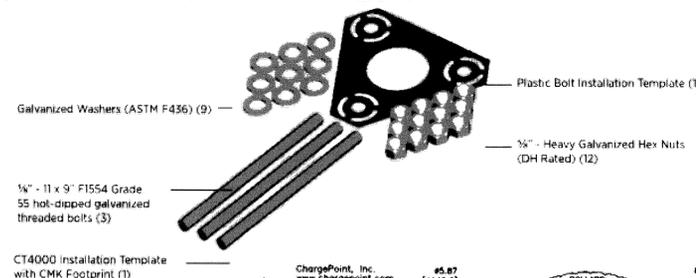
NOTE:

- It is important to rotate the bolts as you insert them. This allows the concrete to fully coat the threads of the bolts, reducing the amount of trapped air.
- The Plastic Bolt Installation Template can be left in place.
- When the concrete is fully set, remove the upper nuts and one washer to install the bollard's mounting post.

You are now ready to install the CT4000's bollard mount. Refer to the CT4000 Installation Guide.



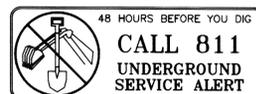
BOLLARD MOUNT DETAIL



*NOTE: When installing onto an existing concrete surface, you will need only 6 Galvanized Hex Nuts and 6 Galvanized Washers. But you will need several consumables as described on page A-3.

FUT COMMUNICATIONS SCHEDULE			
CKT NO	CONDUIT SIZE	LATERAL LENGTH	CABLE LENGTH
FEEDER	2"	95	FUT
EV#395001	1"	19	FUT
EV#395002	1"	41	FUT
EV#395003	1"	63	FUT
EVC FUT 1	** 1"	63	FUT
EVC FUT 2	** 1"	63	FUT
EVC FUT 3	** 1"	63	FUT

** PANEL TO CAP



CITY OF CORONA
400 SOUTH VICENTIA AVENUE

Designed by _____ Drawn by _____ Checked by _____
PLANS PREPARED UNDER SUPERVISION OF _____
Date _____ R.C.E. No. _____

REFERENCE PLAN 15-048EL	1/29/16	TS	1-29-16 REVISED PER CITY COMMENTS	BENCH MARK
	2/29/16	TS	2-12-16 REVISED PER CITY COMMENTS	
Reference Plans for these Improvements	Date	By	REVISIONS	App'd

Engineering _____
Planning _____
DWP _____

Approved By: *Nelson D. Nelson* 10-17-2016
Nelson D. Nelson City Engineer Date
R.C.E. No. 54435

PLANS PREPARED BY:
Pacific UTILITY
INSTALLATION, INC.
1585 HARMONY CIRCLE ANAHEIM, CA 92807 LIC #733207 Fax (714) 970-1163

CITY OF CORONA
CORONA POINTE
ELECTRICAL VEHICLE CHARGING STATIONS

Drawing No. 15-049EL
E-3
Sh 3 of 3

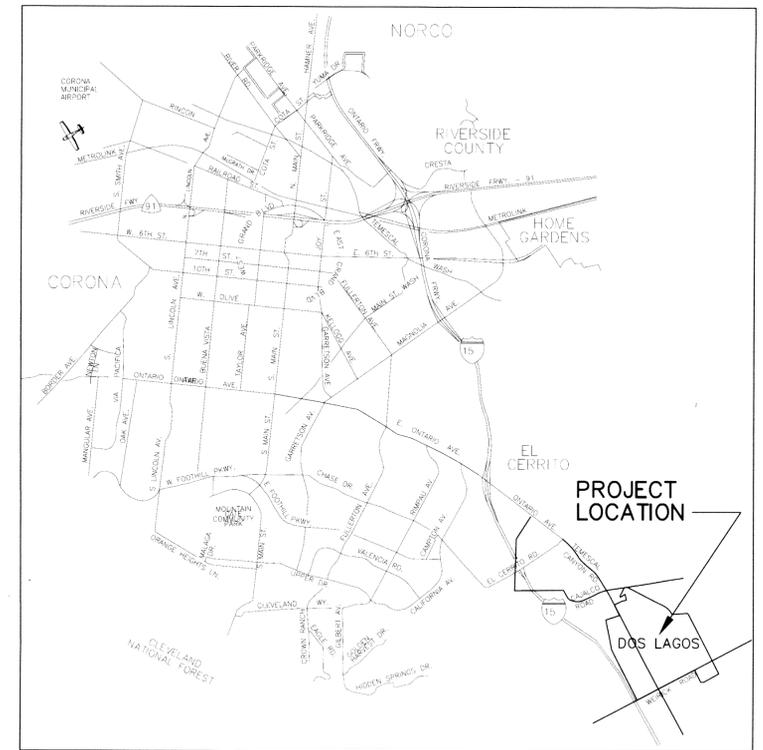
GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE SPECIFICATIONS AND STANDARD PLANS OF THE CITY OF CORONA PUBLIC WORKS AND DEPARTMENT OF WATER AND POWER, AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THESE DRAWINGS AND THE DATA HEREIN ARE MADE PART OF THE CONTRACT DOCUMENTS.
- PRIOR TO ANY CONSTRUCTION WORK, THE CONTRACTOR SHALL OBTAIN A CITY BUSINESS LICENSE.
- INSPECTION TO BE CALLED FOR THROUGH THE CITY OF CORONA PUBLIC WORKS: (951) 279-3597, 48 HOURS PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (1-800-422-4133) TWO FULL WORKING DAYS (48 HOURS MINIMUM) IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES, AND OBTAIN AN IDENTIFICATION NUMBER PRIOR TO PERMIT ISSUANCE, INCLUDING PAVEMENT REMOVAL, EXCAVATION AND A.C. OVERLAY, WHICH COULD AFFECT ANY UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AT LEAST TWO FULL WORKING DAYS (48 HOURS MINIMUM) PRIOR TO BEGINNING ANY CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.
- THE CONTRACTOR SHALL EXCAVATE INSPECTION HOLES (POT HOLES) AND DETERMINE THE LOCATIONS AND DEPTH OF ALL UNDERGROUND STRUCTURES AND UTILITIES THAT ARE IN THE CITY OF AND/OR MAYBE AFFECTED BY THE PROPOSED IMPROVEMENT WORK PRIOR TO PERFORMING ANY CONSTRUCTION WORK WHICH COULD BE DAMAGE OR CONFLICT WITH SAID STRUCTURES AND/OR UTILITIES.
- ALL MATERIALS AND METHODS TO BE SUBJECT TO THE APPROVAL OF THE CITY'S AUTHORIZED REPRESENTATIVE.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING DAMAGED OR ALTERED EXISTING IMPROVEMENTS WITHIN PUBLIC RIGHT-OF-WAY OR PROJECT SITE AS DIRECTED BY THE CITY'S AUTHORIZED REPRESENTATIVE, TO PRE-CONSTRUCTION CONDITION OR BETTER.
- IF ANY EXISTING UTILITIES OR ANY OTHER FACILITIES CONFLICTS WITH PROPOSED IMPROVEMENTS, WORK IN THE EFFECTED AREA SHALL STOP AND THE CITY'S AUTHORIZED REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY.
- ALL IRRIGATION LINES AND LANDSCAPING EFFECTED BY CONTRACTOR'S WORK SHALL BE REPLACE IN KIND AT NO COST TO THE OWNER. CONTRACTOR SHALL INSURE IRRIGATION SYSTEM REMAINS OPERATIONAL AT ALL TIMES.
- ALL SURVEY MONUMENTS SHALL BE PROTECTED MAINTAINED IN PLACE. ANY DISTURBED OR COVERED MONUMENTS SHALL BE RESET BY A REGISTERED CIVIL ENGINEER OR LAND SURVEYOR AT THE DIRECTION OF THE CITY'S AUTHORIZED REPRESENTATIVE AND SHALL BE INCLUDED IN THE PRICE FOR THE WORK.
- AS-BUILT ORIGINAL PLANS TO BE FURNISHED TO THE CITY OF CORONA PRIOR TO FILING THE NOTICE OF COMPLETION AND SUBSEQUENT RELEASE OF RETENTION.
- THE FINAL SURFACE LAYER OR ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON-SITE AND OFF-SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL GRADING AND ALL UNACCEPTABLE CONCRETE WORK AND DEBRIS HAS BEEN REMOVED UNLESS APPROVED OTHERWISE IN WRITING BY THE CITY'S AUTHORIZED REPRESENTATIVE.
- ALL TRENCH BEDDING AND BACKFILL AT THE IMPROVED SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE SECTION OF CITY OF CORONA STANDARD PLAN 108-0 & 108-1 EXCEPT THAT EXCAVATED MATERIALS CONSIDERED AS SUITABLE FOR BACKFILL BY THE SOILS ENGINEER AND APPROVED BY THE CITY'S AUTHORIZED REPRESENTATIVE MAY BE USED FOR BACKFILL. IN ADDITION, ALL TRENCH BEDDING AND BACKFILL SHALL BE CONTINUOUSLY INSPECTED, TESTED, AND CERTIFIED BY A SOILS ENGINEER. CERTIFICATION SHALL BE ON A CITY "SUPERVISED TRENCH BEDDING AND BACKFILL INSPECTION CERTIFICATE." FIELD DENSITY TEST SHALL BE MADE AT A FREQUENCY DETERMINED BY THE SOILS ENGINEER AND AS APPROVED BY THE CITY'S AUTHORIZED REPRESENTATIVE. PRIOR TO ACCEPTANCE OF THE TRENCH BEDDING AND BACKFILL BY THE CITY, THE SOILS ENGINEER SHALL SUBMIT A CERTIFIED REPORT TO THE CITY'S AUTHORIZED REPRESENTATIVE SUMMARIZING ALL TESTS TAKEN, INCLUDING DATES AND LOCATIONS.
- TRENCHES SHALL HAVE SHAPED BEDDING.
- NO TRENCH MAY BE LEFT OPEN OVERNIGHT UNLESS AUTHORIZED IN WRITING BY THE CITY'S AUTHORIZED REPRESENTATIVE.
- ALL UTILITIES SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO FINAL STREET PAVING.
- DISPOSAL OF ALL UNUSED MATERIALS, A.C. PAVEMENT, BASE, SOIL, PRETREATED BASE, ETC. SHALL BE INCLUDED AS PART OF THE CONTRACTOR'S UNIT PRICE AND/OR LUMP SUM PRICE FOR THE WORK.
- THE LOCATION OF EXISTING FEATURES AS INDICATED ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING FEATURES.
- HOURS OF OPERATION/CONSTRUCTION ARE TO BE BETWEEN 8:30 A.M. AND 3:30 P.M. IN RIGHT-OF-WAY AND BETWEEN 7:00 A.M. AND 5:00 P.M. ON SITE.
- DURING THE WORKING DAY TRENCHES MAY BE LEFT OPEN ACROSS ONLY ONE ACCESS STREET AT A TIME. NO TRENCH MAY BE LEFT OPEN OVERNIGHT.
- ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS, AND THOSE SHOWN ON THE RECORDS EXAMINED, ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR, BY ACCEPTING A CONTRACT TO BUILD IN ACCORDANCE WITH THESE PLANS OR PROCEEDING WITH THE IMPROVEMENTS PURSUANT THERETO, AGREES TO ASSUME LIABILITY AND TO HOLD THE OWNER AND THE OWNER'S CONSULTANT HARM/LESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THOSE REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO VERIFY THE LOCATION OF AND TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.
- ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATION" OF THE U.S. DEPARTMENT OF LABOR, AND WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS."
- CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, IDENTIFY AND HOLD THE OWNER AND THE OWNER'S CONSULTANT HARM/LESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, OR THE OWNER'S CONSULTANT.
- THE ESTIMATED QUANTITIES HEREON ARE ONLY FOR THE PURPOSE OF OBTAINING THE NECESSARY PERMITS, AND DOES NOT GUARANTEE THE ACCURACY OF THE ESTIMATED QUANTITIES. THE CONTRACTOR SHALL PERFORM HIS OWN QUANTITY TAKEOFF BEFORE SUBMITTING A BID FOR ANY PORTION OF THE IMPROVEMENTS COVERED BY THESE PLANS.
- ALL GRADING, EXCAVATION, REMOVAL AND RECOMPACTION SHALL BE IN ACCORDANCE WITH THE LATEST SOILS REPORT. THE PRELIMINARY SOILS REPORT AND ALL SUBSEQUENT REPORTS AS APPROVED BY THE CITY OF CORONA ARE CONSIDERED A PART OF THIS PROJECT.
- UNAUTHORIZED CHANGES & USES CAUTION: THE DESIGNER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES' LINES AND STRUCTURES WHETHER SHOWN OR NOT SHOWN ON THIS PLAN, AND SHALL BE RESPONSIBLE FOR PROTECTING FROM DAMAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REPORT DISCREPANCIES IN PLANS AND/OR FIELD CONDITIONS IMMEDIATELY TO DESIGNER FOR RESOLUTION PRIOR TO CONSTRUCTION, AND SHALL BE RESPONSIBLE FOR DISCREPANCIES NOT SO REPORTED AND RESOLVED.
- THE CONTRACTOR IS REQUIRED TO COMPLY WITH ALL THE PROVISIONS AND REQUIREMENTS OF TITLE 7 OF THE CALIFORNIA CIVIL CODE.



THE CITY OF CORONA, CALIFORNIA DEPARTMENT OF WATER AND POWER

THE SHOPS AT DOS LAGOS ELECTRICAL VEHICLE CHARGING STATIONS



LOCATION MAP
N.T.S.

TELEPHONE NUMBERS:

EMERGENCY:	
CORONA POLICE DEPARTMENT	911 OR (951) 736-2333
CORONA FIRE DEPARTMENT	911 OR (951) 736-2222
CORONA COMMUNITY HOSPITAL, 812 S. WASHBURN	(951) 737-4343
UTILITIES:	
UNDERGROUND SERVICE ALERT (USA)	CALL: 811
CITY OF CORONA DEPARTMENT OF WATER AND POWER (CDWP)	(951) 736-2234
SOUTHERN CALIFORNIA GAS	(800) 427-2200
SOUTHERN CALIFORNIA EDISON	(800) 611-1911
AT&T	(951) 811-2130
AMERICAN TELEPHONE AND TELEGRAPH	(951) 381-7380
SPRINT (FIBER OPTICS)	(800) 521-0579
OTHERS:	
CORONA PUBLIC WORKS DEPARTMENT	(951) 739-4943
R.F. DICKSON STREET SWEEPING	(800) 841-7994
WESTERN WASTE	(951) 737-0343
CORONA POLICE DEPARTMENT (FOR STREET CLOSURE)	(951) 736-2330
CORONA FIRE DEPARTMENT (FOR STREET CLOSURE)	(951) 736-2220
CORONA PARKS AND COMMUNITY SERVICES	(951) 736-2241

SYMBOLS:	LEGEND:
— W —	EXISTING WATER
— S —	EXISTING SEWER
— SD —	EXISTING STORM DRAIN GREATER THAN 58"
— SD —	EXISTING STORM DRAIN
— G —	EXISTING GAS
— E —	EXISTING ELECTRIC
— T —	EXISTING TELEPHONE
— FOC —	EXISTING FIBER OPTIC CABLE
—	CURB
— R/W —	RIGHT OF WAY
— CL —	CENTERLINE
—	STORM DRAIN MANHOLE
—	ELECTRICAL, TELEPHONE, OR FOC BOX
—	DEMOLISH
—	PME
—	PMT
▲	EV CHARGING STATION

ABBREVIATIONS:

ELEC	ELECTRICAL
PMT	PAD MOUNTED TRANSFORMER
PME	PAD MOUNTED ENCLOSURE SWITCH
UND	UNDERGROUND
TYP.	TYPICAL
4WGS	4-WAY GAS SWITCH
EC	ELECTRICAL CONTRACTOR
F.S.T.	FUSE AND SWITCHED TRANSFORMER
N.O.	NORMALLY OPEN
N.C.	NORMALLY CLOSED
C.O.	CONDUIT ONLY

GENERAL ELECTRICAL NOTES:

- CONTRACTOR SHALL PROCURE AND PROVIDE ALL MATERIAL NECESSARY TO BUILD AND INSTALL THE ELECTRICAL SYSTEM PER THE APPROVED PLANS AND SPECIFICATIONS.
- ALL TRANSFORMERS SHALL BE SWITCHED AND FUSED - NO EXCEPTIONS.
- ALL 12KV CABLE SHALL BE JCN RATED CABLE - JACKETED CONCENTRIC NEUTRAL, 220 MILS INSULATION, 15KV RATED.
- ALL 200 AMP ELBOWS SHALL BE LOAD BREAK TYPE, UNLESS NOTED OTHERWISE.
- ALL PME'S MUST HAVE 200 AMP SMU FUSE COMPARTMENTS.
- ALL STRUCTURES TO BE LABELED "CDWP ELECTRIC" ON ALL LIDS AND COVERS.
- CONSULT WITH CORONA DWP ENGINEER, PRIOR TO PROCURING ALL ELECTRICAL DISTRIBUTION APPARATUS AND EQUIPMENT.
- ALL STRUCTURES SHALL HAVE TWO GROUND RODS CONNECTED WITH #4/0 B.C. ALL STRUCTURES SHALL BE GROUNDED AND BONDED PER THE CDWP UNDERGROUND SPECIFICATIONS AND STANDARDS.
- CONTRACTOR SHALL LABEL ALL UNDERGROUND STRUCTURES, VAULTS, MANHOLES, BURDS, PULLBOXES, ELECTRICAL EQUIPMENT, DISTRIBUTION FEEDERS AND SERVICE CONDUCTORS ACCORDING TO THE APPROVED DRAWINGS.

INDEX OF SHEETS

DWG NO.	SHEET NO.	DESCRIPTION
E-1	1	TITLE SHEET, LOCATION MAP, GENERAL NOTES SYMBOLS AND ABBREVIATIONS
E-2	2	ELECTRIC VEHICLE CHARGER STATION INSTALLATION PLAN
E-3	3	SINGLE LINE DIAGRAM AND SCHEDULES



PLANS PREPARED BY:
Pacific UTILITY INSTALLATION, INC.
1885 HARMONY CIRCLE, SAN JUAN CA 92087 (714) 970-6430
LIC #733207 FAX (714) 970-1163

CITY OF CORONA
400 SOUTH VICENTIA AVENUE
CORONA, CALIFORNIA 92882

Designed by	Drawn by	Checked by
PLANS PREPARED UNDER SUPERVISION OF		
Date	R.C.E. No.	

REFERENCE PLAN 15-050EL	1/29/16	TS	1-29-16 REVISED PER CITY COMMENTS	BENCH MARK
	2/12/16	TS	2-12-16 REVISED PER CITY COMMENTS	Scale
Reference Plans for these Improvements	Date	By	REVISIONS	App'd

Engineering	Planning	DWP
-------------	----------	-----

Approved By:	Date
Nelson B. Neison City Engineer R.C.E. No. 54435	10/7/2016

CITY OF CORONA
THE SHOPS AT DOS LAGOS
ELECTRICAL VEHICLE CHARGING STATIONS

Drawing No.	E-1
15-051EL	Sh 1 of 3

