



SA Reports



Development Review (Minor) Staff Approval

279-SA-2021

Aps Ev @ Fairmont
Scottsdale Princess

APPLICATION INFORMATION	
LOCATION: 7575 E Princess Dr	APPLICANT: Pamela Smith
PARCEL: 215-08-694	COMPANY: Pamela Smith
Q.S.: 37-45	ADDRESS: 8310 Miramar Mall, Suite A San Diego, CA 92121
ZONING: C-2 PCD	PHONE: (760) 298-9023
<u>Request:</u> Request by applicant for Installation of electric vehicle charging stations including: (4) Level 2 charging ports and (1) 200A Meter	

STIPULATIONS

1. The location and configuration of all site improvements shall be consistent with the site plan submitted by C2 Group, with a city staff date of 10/11/21.
2. Charging station shall not display advertising or sponsorship.


CONSTRUCTION DOCUMENT PLAN REVIEW SUBMITTAL REQUIREMENTS

Follow the online steps to apply for a Minimum Permit, using the City's e-Services:
<https://eservices.scottsdaleaz.gov/bldgresources/MinimumPermit>

PERMIT APPLICATION: **Completed Permit Application**
 The permit application may be filled-out and submitted online at:
<https://eservices.scottsdaleaz.gov/bldgresources/plans> or obtained for printing at:
 - Commercial/Multi-family
http://www.scottsdaleaz.gov/assets/ScottsdaleAZ/Building/APP_Permit_Commercial.pdf

Expiration of Development Review (Minor) Approval

This approval expires two (2) years from date of approval if a permit has not been issued, or if no permit is required, work for which approval has been granted has not been completed.

Staff Signature:  Date: 10/11/21
 Casey Steinke, 480-312-2611

APS PROJECT 165552
 FAIRMONT SCOTTSDALE PRINCESS
 INSTALLATION OF 26.62KVA ELECTRIC VEHICLE LEVEL 2 CHARGING EQUIPMENT
 7575 E PRINCESS DR
 SCOTTSDALE, AZ 85255

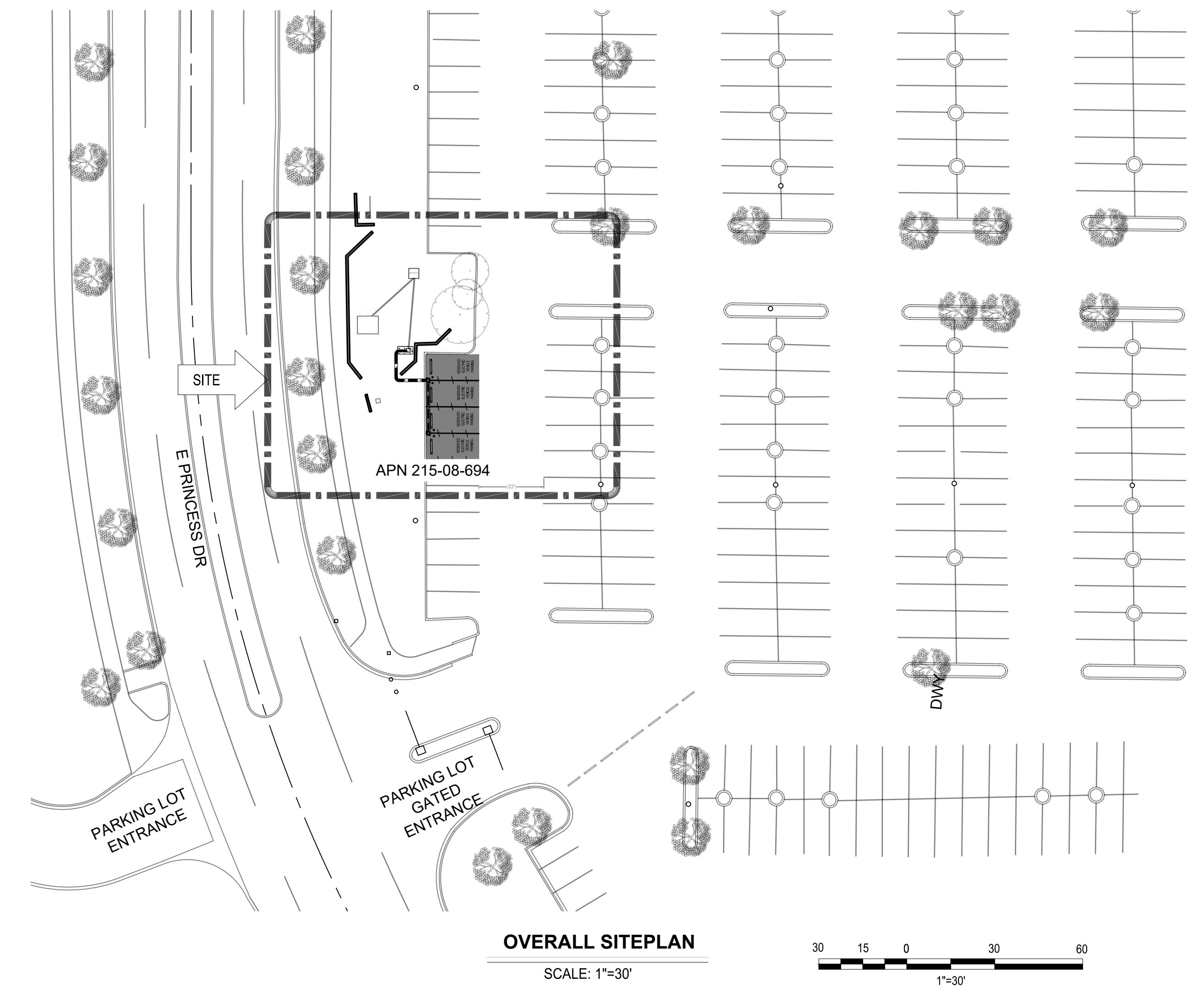
APPROVED
 Stip Set PLANNING
 10/11/2021 DATE APPROVED BY

ABBREVIATIONS

1P	ONE POLE (2,3,4 APPLICABLE)
A	AMPERE
AB	AGGREGATE BASE
AC	ALTERNATING CURRENT
AC	ASPHALT CONCRETE
AIC	AVAILABLE INTERRUPTING CAPACITY
AT	AMPERE TRIP (RATING)
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BB	BOTTOM OF BASIN
BC	BACK OF CURB
BIL	BASIC IMPULSE LEVEL
C	CONDUIT
CF	CURB FACE
CL	CENTERLINE
CMIL	CIRCULAR MIL
CT	CURRENT TRANSFORMER
DC	DIRECT CURRENT
E	EAST
EGC	EQUIPMENT GROUNDING CONDUCTOR
E'LY	EASTERLY
EMT	ELECTRICAL METALLIC TUBING
EP	EDGE OF PAVEMENT
EPR	ETHYLENE PROPYLENE RUBBER
EVCS	ELECTRIC VEHICLE CHARGING STATION
EX.	EXISTING
FBO	FURNISHED BY OTHERS
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
FLA	FULL LOAD AMPS
FO	FIBER OPTIC
FS	FINISHED SURFACE
FT	FEET
FWE	FURNISHED WITH EQUIPMENT
G	GROUND FAULT TRIP
G, GND	GROUND
GB	GRADE BREAK
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HI PT	HIGH POINT
I	INSTANTANEOUS
IE	INVERT ELEVATION
IMC	INTERMEDIATE METAL CONDUIT
INV	INVERT
ISC	INTERRUPTING SHORT CIRCUIT
KV	KILO VOLT
KVA	KILOVOLTAMPERE
KW	KILO WATTS
KWH	KILOWATTHOUR
L	LONG TIME TRIP
LB	POUND
L-G	LINE TO GROUND VOLTAGE
L-L	LINE TO LINE VOLTAGE
L-N	LINE TO NEUTRAL VOLTAGE
LSIG	ELECTRONIC TRIP DEVICE
M	METER
MBJ	MAIN BONDING JUMPER

ABBREVIATIONS CONT

MCB	MAIN CIRCUIT BREAKER
MH	MANHOLE
MLO	MAIN LUG ONLY
MVA	MEGA VOLT AMPERE
N	NEUTRAL
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
PB	PULLBOX
PCC	PORTLAND CEMENT CONCRETE
PL	PROPERTY LINE
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE (FOR CONDUIT)
R	RELAY
R	RADIUS
R/W	RIGHT-OF-WAY
RGS	RIGID STEEL CONDUIT
RL	RIDGE LINE
S	SHORT TIME TRIP
S	SEWER OR SOUTH
SCCR	SHORT-CIRCUIT CURRENT RATING
SCH	SCHEDULE (FOR CONDUIT)
SES	SERVICE ENTRANCE SECTION
SLD	SINGLE LINE DIAGRAM
SPD	SURGE PROTECTIVE DEVICE
SSBJ	SUPPLY SIDE BONDING JUMPER
STD	STANDARD
SW	SWITCH
SWGR	SWITCHGEAR
TB	TOP OF BASIN
TC	TOP OF CURB
TG	TOP OF GRATE
TYP	TYPICAL
UG	UNDERGROUND
V	VOLT
W	WATER OR WEST
W'LY	WESTERLY
XXX.XX	PROPOSED ELEVATION
(XXX.XX)	EXISTING ELEVATION



PROJECT DESCRIPTION

- INSTALL (4) LEVEL 2 CHARGING PORTS
- INSTALL (1) 200A, (208Y/120V), 3-PHASE SES

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- LOCAL CODES
 2018 INTERNATIONAL BUILDING CODE
 2020 NATIONAL ELECTRICAL CODE

IN THE EVENT OF CONFLICT, THE MOST RECENT OR RESTRICTIVE CODE SHALL PREVAIL

SITE INFORMATION

EV SITE ADDRESS:
 7575 E PRINCESS DR
 SCOTTSDALE, AZ 85255

PROPERTY OWNER:
 FMT SCOTTSDALE OWNER LLC
 19200 VON KARMAN AVE STE 1000
 IRVINE, CA 92612

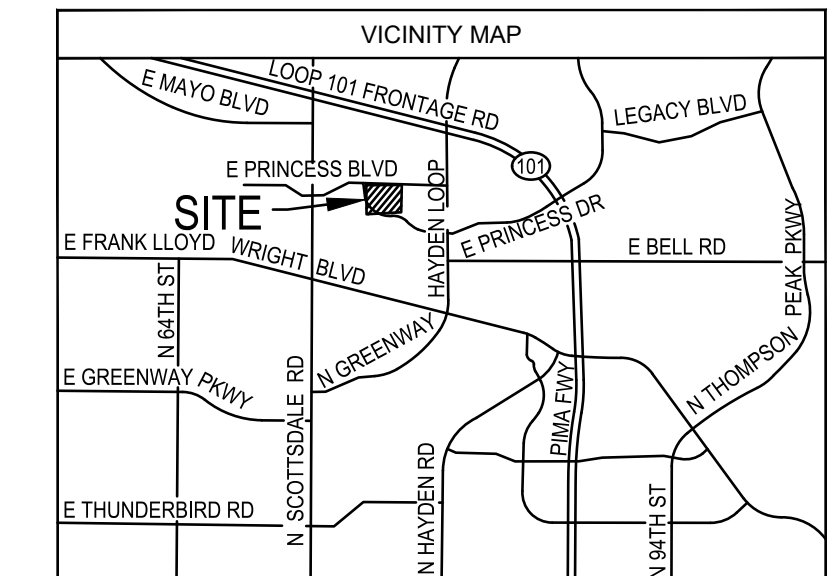


ELECTRICAL
 HENRY PEREZ
 PE # 69617
 C2 GROUP

APS PROJECT MANAGER
 JOE BRYANT
 907-414-7079 PHONE
 PROJECT MANAGER
 CUSTOMER TO GRID SOLUTIONS

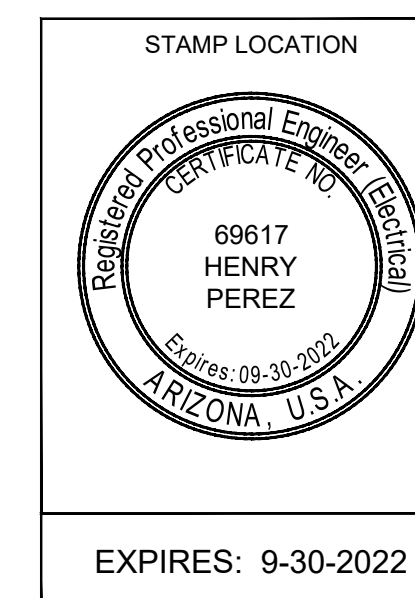
CONTRACTOR
 HARMON ELECTRIC, INC.
 MICHAEL TOOMB
 (623) 879-0010

T1.0 TITLE SHEET



T 04 N	R 04 E	Sec 35	SW 1/4	MAP# 1104-03
CONTACT: JASON PAQUETTE				
PHONE: 619-518-1101 PGR/MOBILE:				
INSPECTOR: JEFF TURNER				
PHONE: 928-581-9754 PGR/MOBILE:				

NO.	DATE	DESCRIPTION	BY
TAKE CHARGE (26.62KW, 208V 3-PHASE) FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	T1.0



SHEET INDEX

- T1.0 TITLE SHEET
- T2.0 NOTE SHEET
- C1.0 ENLARGED SITE PLAN & DEMOLITION PLAN
- C2.0 DETAILS SHEET
- C2.1 DETAILS SHEET
- E1.0 ELECTRICAL SITE PLAN
- E2.0 SINGLE LINE DIAGRAM, PANEL SCHEDULE
- E3.0 ELECTRICAL DETAILS
- R1.0 REFERENCE DRAWING
- R1.1 REFERENCE DRAWING



CONTRACTOR NOTE

CONTRACTOR SHALL COMPLETE INSTALL PER THE SIGNED AND THE SEALED SET OF DRAWINGS. ANY NECESSARY DEVIATIONS FROM THE DRAWINGS MUST BE SUBMITTED THROUGH AN RFI REQUEST PROCESS WITH ENGINEERING FOR AN APPROVAL PRIOR TO CONTRACTOR PROCEEDING WITH A DEVIATION OF THE SIGNED AND SEALED SET OF DRAWINGS.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

**TAKE CHARGE
FAIRMONT SCOTTSDALE PRINCESS
7575 E PRINCESS DR
WA622585**

GENERAL CONSTRUCTION NOTES

1. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE NEW, FREE OF DEFECTS AND IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
2. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
3. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
4. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
6. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
8. THE GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
9. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
10. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
11. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
12. THE GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.
13. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
14. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
15. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. THE CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
16. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
17. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
18. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
19. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
20. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
21. THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT. SERIAL NUMBER SHALL BE INCLUDED FOR SPONSOR SITES.
22. THE CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
23. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
24. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
25. WHERE TUNNELING IS USED UNDER EXISTING PCC OR EXISTING CURB, AREA UNDER MUST BE BACKFILLED WITH FLOWABLE SLURRY TO OBTAIN 100% COMPACTION TO PREVENT CRACKING OF PCC.
26. CURB REMOVAL TO NEAREST JOINT AND MIN. 5FT AND NEW JOINT SHOULD NOT BE CLOSER THAN 5FT AWAY.
27. A/C REPLACEMENT 1-INCH OVER EXISTING, MATCH EXISTING AGGREGATE SIZE, SEAL TO MATCH EXISTING FINISH WHERE APPLICABLE.

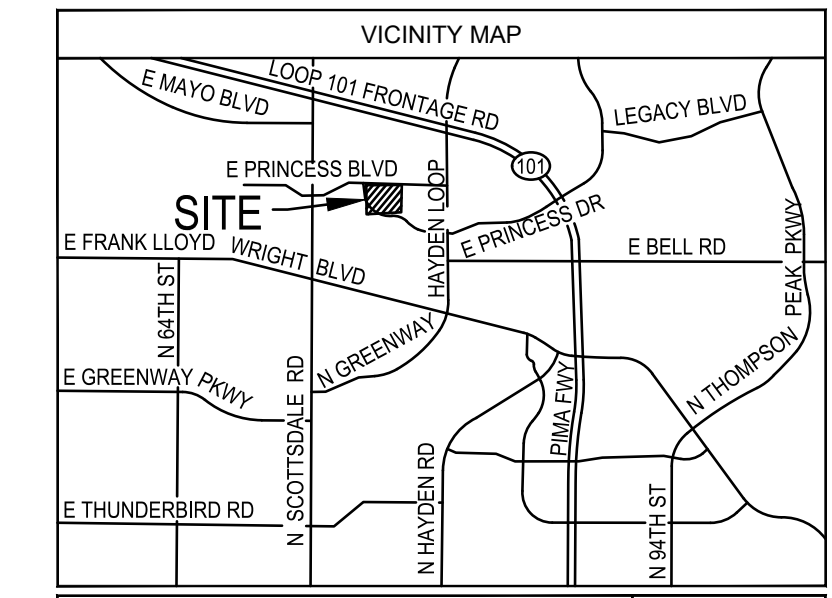
ELECTRICAL NOTES

28. **CODES & REQUIREMENTS**
 - 28.1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND AMENDMENTS AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
 - 28.2. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE GENERAL SUPPLEMENTAL CONDITIONS OF THE PROJECT SPECIFICATIONS.
 - 28.3. ALL ELECTRICAL CONDUIT, DEVICES AND EQUIPMENT ARE SHOWN DIAGRAMMATICALLY, DO NOT SCALE PRECISE DETAILS FROM THE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATIONS WITH OWNER PRIOR TO ANY ROUGH IN.
29. **EQUIPMENT**
 - 29.1. ALL EQUIPMENT SHALL BE NEW EXCEPT AS OTHERWISE NOTED ON THE DRAWINGS. ALL EQUIPMENT PROVIDED SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY, NRTL, LISTED FOR THE TYPE OF EQUIPMENT BEING FURNISHED AND SHALL BE ACCEPTABLE FOR INSTALLATION BY THE LOCAL BUILDING SAFETY AND FIRE DEPARTMENT AUTHORITIES.
30. **CONDUIT**
 - 30.1. ALL CONDUCTORS SHALL BE ENCLOSED BY CONDUIT SIZED IN ACCORDANCE WITH THE PROPER TABLES CONTAINED IN THE NATIONAL ELECTRICAL CODE FOR THE INSULATION USED.
 - 30.2. ELECTRIC METAL TUBING (EMT) SHALL BE USED FOR ALL DRY AND WET LOCATIONS, ABOVE GRADE OR ABOVE FLOOR APPLICATIONS IN ACCORDANCE WITH ARTICLE 358 OF THE NEC. COUPLINGS AND CONNECTORS SHALL BE COMPRESSION-TYPE, STEEL, WATERTIGHT FITTINGS. PROVIDE GROUND CONDUCTOR FOR EVERY RUN OF EMT CONDUIT.
 - 30.3. FLEXIBLE METAL CONDUIT SHALL BE UTILIZED FOR ALL CONNECTIONS TO VIBRATING EQUIPMENT SUCH AS MOTORS AND TRANSFORMERS (MIN. 2'-0", MAX. 6'-0").
 - 30.4. ALL EXPOSED CONDUIT SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO THE BUILDING WALLS. SUPPORT CONDUIT PER NEC.
 - 30.5. PROVIDE EXPANSION FITTINGS FOR ALL CONDUIT(S) THAT CROSS EXPANSION JOINTS.
31. **CONDUCTORS**
 - 31.1. CONDUCTOR INSULATION SHALL BE OF A TYPE RECOGNIZED BY THE NEC AND AS APPROVED FOR ITS PARTICULAR APPLICATION OR AS REQUIRED BY THE LOCAL BUILDING SAFETY AUTHORITIES WHICHEVER IS MORE STRINGENT.
 - 31.2. ALL WIRING THROUGHOUT SHALL BE COLOR CODED AS FOLLOWS:

480V SYSTEM	208V/240V SYSTEM	
A PHASE	BROWN	BLACK
B PHASE	ORANGE	RED
C PHASE	YELLOW	BLUE
NEUTRAL	GREY	WHITE
GROUND	GREEN	GREEN
ISOLATED GROUND	_____	GREEN W/ YELLOW STRIPE
 - 31.3. THERE SHALL BE NO SPLICING OF CONDUCTOR.
32. **FEEDERS & BRANCH CIRCUITS**
 - 32.1. RISER DIAGRAMS, ONE-LINE DIAGRAMS AND CIRCUIT RUNS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF FEEDERS AND BRANCH CIRCUITS SO AS TO BEST FIT THE LAYOUT OF THE JOB.
 - 32.2. CIRCUITS MAY BE ARRANGED IN 3-WIRE FEEDS (2 HOT AND A COMMON NEUTRAL) IN COLOR CODE AS NOTED IN SECTION 31.2; AND EACH CIRCUIT IS PROTECTED BY AN OVER CURRENT PROTECTION DEVICE (OCPD) PER NEC. MORE THAN 3 CIRCUITS IN A CONDUIT BY SPECIFIC APPROVAL OR WHERE SHOWN IN DRAWINGS.
33. **GROUNDING**
 - 33.1. FURNISH AND INSTALL GROUNDING AND GROUNDING CONDUCTORS AS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS.
 - 33.2. ALL PANELBOARD CABINETS, EQUIPMENT, ENCLOSURES, AND CONDUIT SYSTEMS SHALL BE GROUNDED SECURELY IN ACCORDANCE WITH PERTINENT SECTIONS OF ARTICLE 250 OF THE NEC, AS AMENDED BY ANY LOCAL CODES. CONDUCTORS SHALL BE COPPER. ALL ELECTRICALLY OPERATED EQUIPMENT SHALL BE BONDED TO THE GROUNDED CONDUIT SYSTEM. ALL NON-CURRENT CARRYING CONDUIT SURFACES THAT ARE LIKELY TO BECOME ENERGIZED AND SUBJECT TO CONTACT BY A PERSON SHALL BE GROUNDED BY ONE OR MORE OF THE METHODS DETAILED IN ARTICLE 250 OF THE NEC. ALL GROUND CONNECTIONS SHALL HAVE CLEAN CONTACT SURFACES. INSTALL ALL GROUNDING CONDUCTORS IN CONDUIT AND MAKE CONNECTIONS READILY ACCESSIBLE FOR INSPECTION. FURNISH AND INSTALL GROUNDING ELECTRODES AS DESCRIBED ON THE DRAWINGS.
 - 33.3. GROUNDING OF METAL RACEWAYS SHALL BE ASSURED BY MEANS OF GROUNDING BUSHING ON FEEDER CONDUIT TERMINATIONS AT THE SERVICE ENTRANCE, DISTRIBUTION SWITCHBOARDS AND PANELBOARDS, AND BY MEANS OF A CONTINUOUS, STRANDED, COPPER GROUNDING WIRE EXTENDED FROM THE GROUND BUS IN THE ENCLOSURE TO THE CONDUIT GROUNDING BUSHINGS.
34. **PANELBOARDS**
 - 34.1. FURNISH AND INSTALL BRANCH CIRCUIT PANELBOARDS AS SPECIFIED HEREIN AND AS INDICATED ON THE DRAWINGS.
 - 34.2. PANELBOARDS SHALL BE EQUIPPED WITH FULL NEUTRAL AND GROUND BUSES, SEPARATE ISOLATED GROUND BUSES SHALL BE PROVIDED FOR ISOLATED GROUND PANELBOARDS.
 - 34.3. PROVIDE NEMA TYPE PANELBOARDS AS INDICATED ON DRAWINGS.
 - 34.4. MINIMUM INTERRUPTING RATING OF CIRCUIT BREAKERS SHALL BE AS INDICATED ON DRAWINGS AND FAULT CALCULATIONS.
 - 34.5. ACCEPTABLE MANUFACTURERS ARE GENERAL ELECTRIC, WESTINGHOUSE/CUTLER HAMMER, EATON, SIEMENS OR SQUARE-D. CONTRACTOR SHALL PROVIDE MATCHING MANUFACTURERS OF EXISTING EQUIPMENT WHEN APPLICABLE.
35. **LABELING**
 - 35.1. LABEL EQUIPMENT WITH NAME, AMPERAGE, VOLTAGE, PHASE AND WIRES (I.E. PANEL "A", 400A, 120/208V, 3Ø, 4W)
 - 35.2. ALL JUNCTION BOXES SHALL BE LABELED WITH CIRCUITS INSTALLED (I.E. LB1 - 1,3,5) WITH INDELIBLE BLACK INK ON THE BOX COVER.
 - 35.3. PROVIDE ARC FLASH SIGNAGE ON ALL ELECTRICAL EQUIPMENT PER NEC 110.16.
 - 35.4. LABEL BREAKERS WITH CORRESPONDING CIRCUITS.
36. **DRAWINGS OF RECORD (AS-BUILT)**
 - 36.1. AS-BUILT DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH APS ELECTRIC DISTRIBUTION REQUIREMENTS TO PROJECT CONTACT FROM APS CUSTOMER GRID SOLUTIONS DEPARTMENT.
37. **AVAILABLE FAULT CURRENT**
 - 37.1. PER NEC 110.24, FIELD MARKING. SERVICE EQUIPMENT AT OTHER THAN DWELLING UNITS SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. THE CALCULATION SHALL BE DOCUMENTED AND MADE AVAILABLE TO THOSE AUTHORIZED TO DESIGN, INSTALL, INSPECT, MAINTAIN, OR OPERATE THE SYSTEM. SEE ALSO NEC 408.6 AND NEC 110.21(B)(3).



T2.0 NOTE SHEET



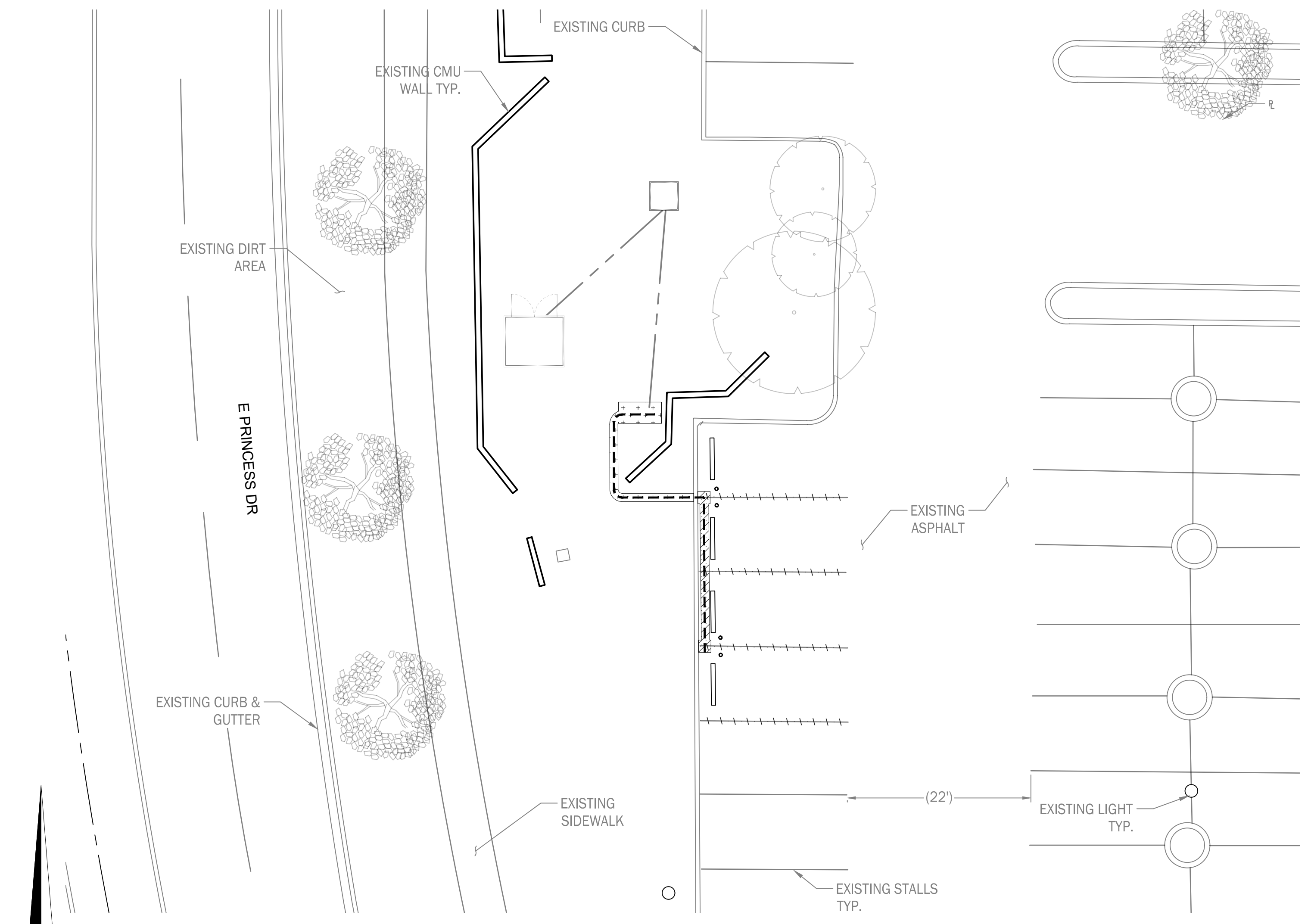
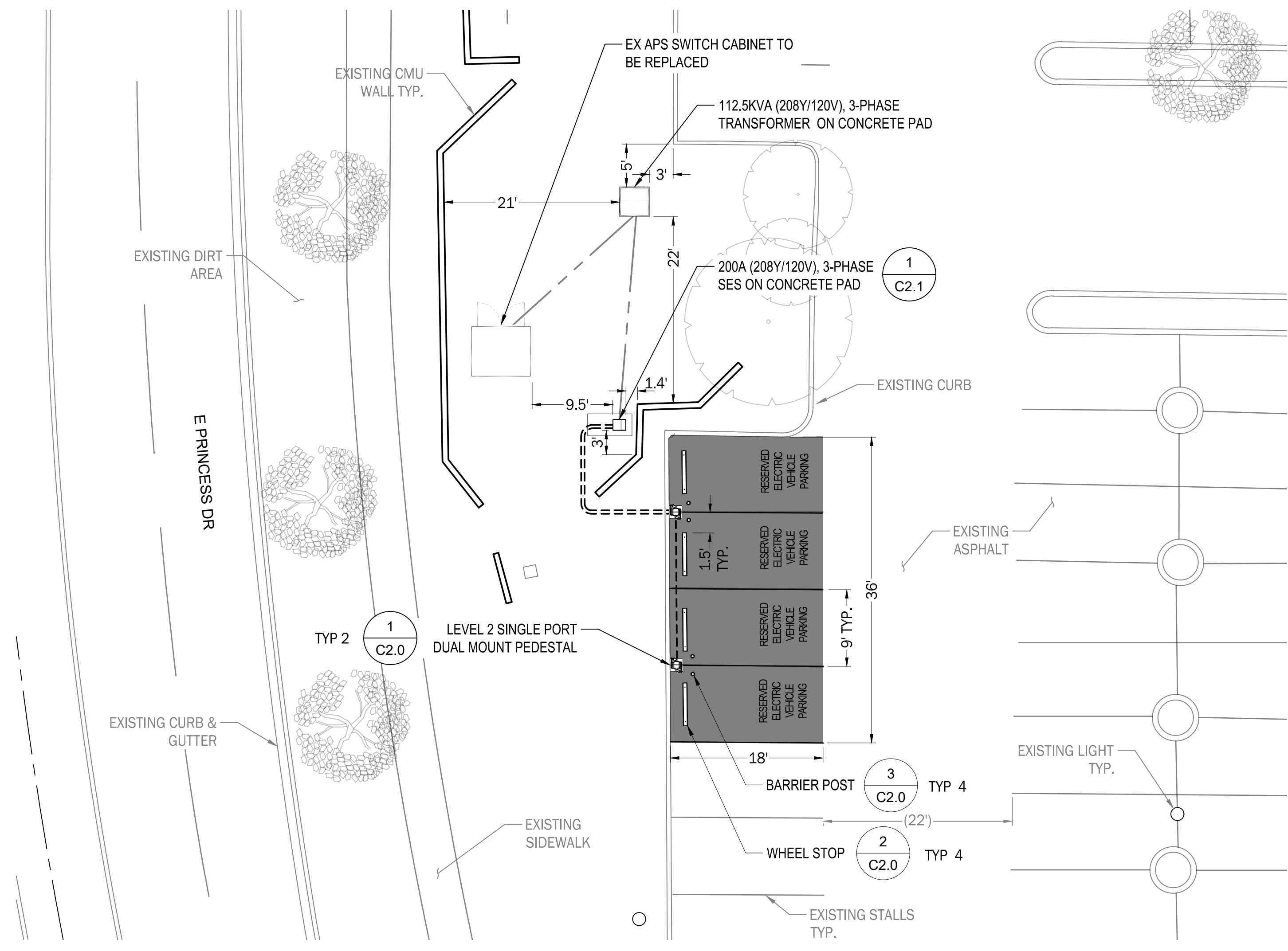
T	04	N	R	04	E	Sec	35	SW	1/4	MAP#	1104-03
CONTACT: JASON PAQUETTE											
PHONE: 619-518-1101 PGR/MOBILE:											
INSPECTOR: JEFF TURNER											
PHONE: 928-581-9754 PGR/MOBILE:											

NO.	DATE	DESCRIPTION	BY
TAKE CHARGE (26.62KW, 208V 3-PHASE) FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	T2.0

STAMP LOCATION

EXPIRES: 9-30-2022

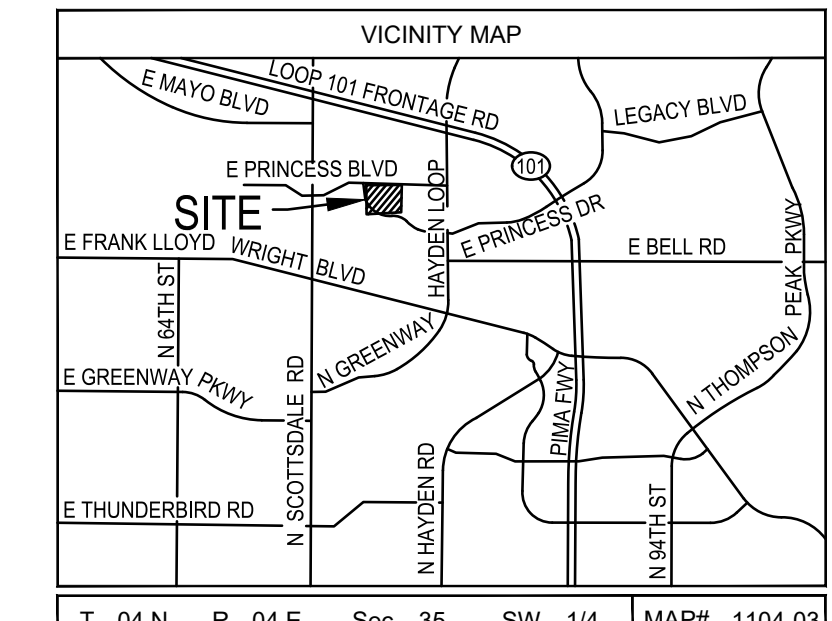
TAKE CHARGE
 FAIRMONT SCOTTSDALE PRINCESS
 7575 E PRINCESS DR
 WA622585



APPROVED
 Stip Set PLANNING
 10/11/2021 DATE
 APPROVED BY

C2 GROUP
 8310 MIRAMAR MALL, SUITE A
 SAN DIEGO, CA 92121
 (619) 880-9797

**C1.0 ENLARGED SITEPLAN
 DEMOLITION PLAN**



T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03
 CONTACT: JASON PAQUETTE
 PHONE: 619-518-1101 PGR/MOBILE:
 INSPECTOR: JEFF TURNER
 PHONE: 928-581-9754 PGR/MOBILE:

1. 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.

BILL OF MATERIALS			
MATERIAL	UNIT	QUANTITY	
EQUIPMENT			
METER PEDESTAL	EACH	1	
BARRIER POST	EACH	4	
CLIPPER CREEK HCS-40R	EACH	4	
PROMOUNT DUO PMD-10 PEDESTAL	EACH	2	
EVCS FOUNDATION	EACH	2	
WHEEL STOP	EACH	4	
EQUIPMENT FOUNDATION	SF	20	

1. THE CONTRACTOR SHALL REPLACE A/C 1" OVER EXISTING WITH 95% COMPACTION. MATCH EXISTING FINISHES INCLUDING SLURRY WHERE APPLICABLE.

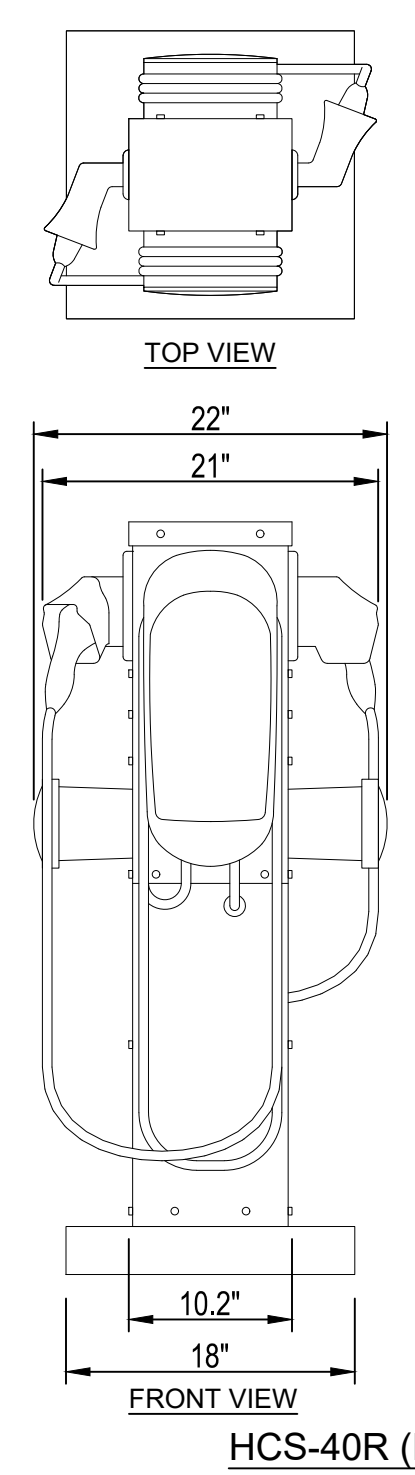
DEMO QUANTITIES TABLE		
	ASPHALT	21 SQ FT
	CURB	1.2 LFT
	PARKING LINES	REMOVAL
	GRAVEL AREA	0 SQ FT
	CONCRETE	0 SQ FT
	LANDSCAPING	0 SQ FT
	DIRT	33 SQ FT
	TRENCHING	44 LFT

STAMP LOCATION

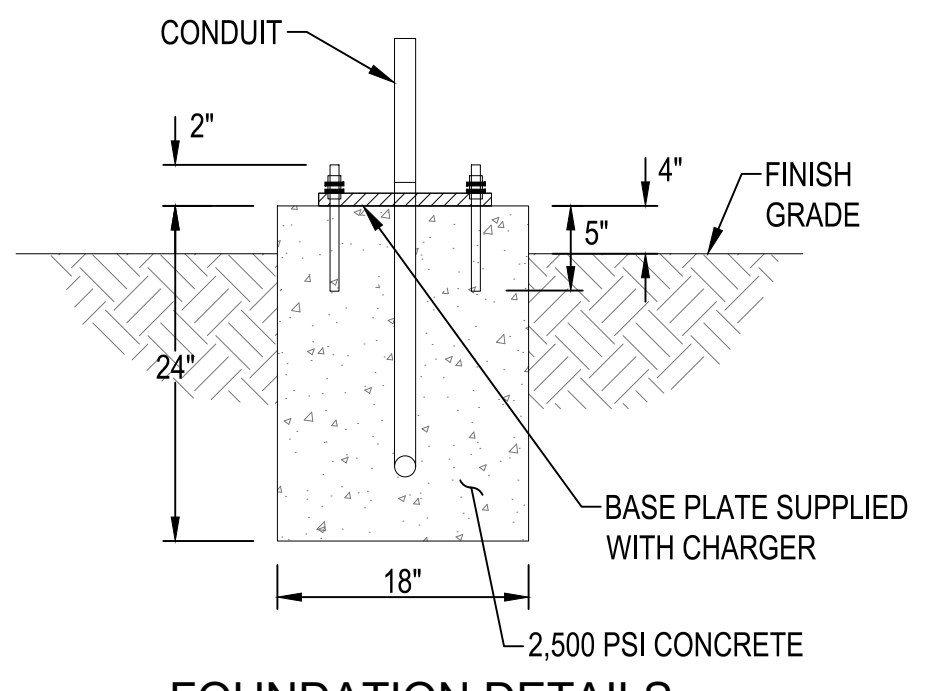
EXPIRES: 9-30-2022

NO.	DATE	DESCRIPTION	BY
		TAKE CHARGE [26.62KW, 208V 3-PHASE] FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING	
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	C1.0

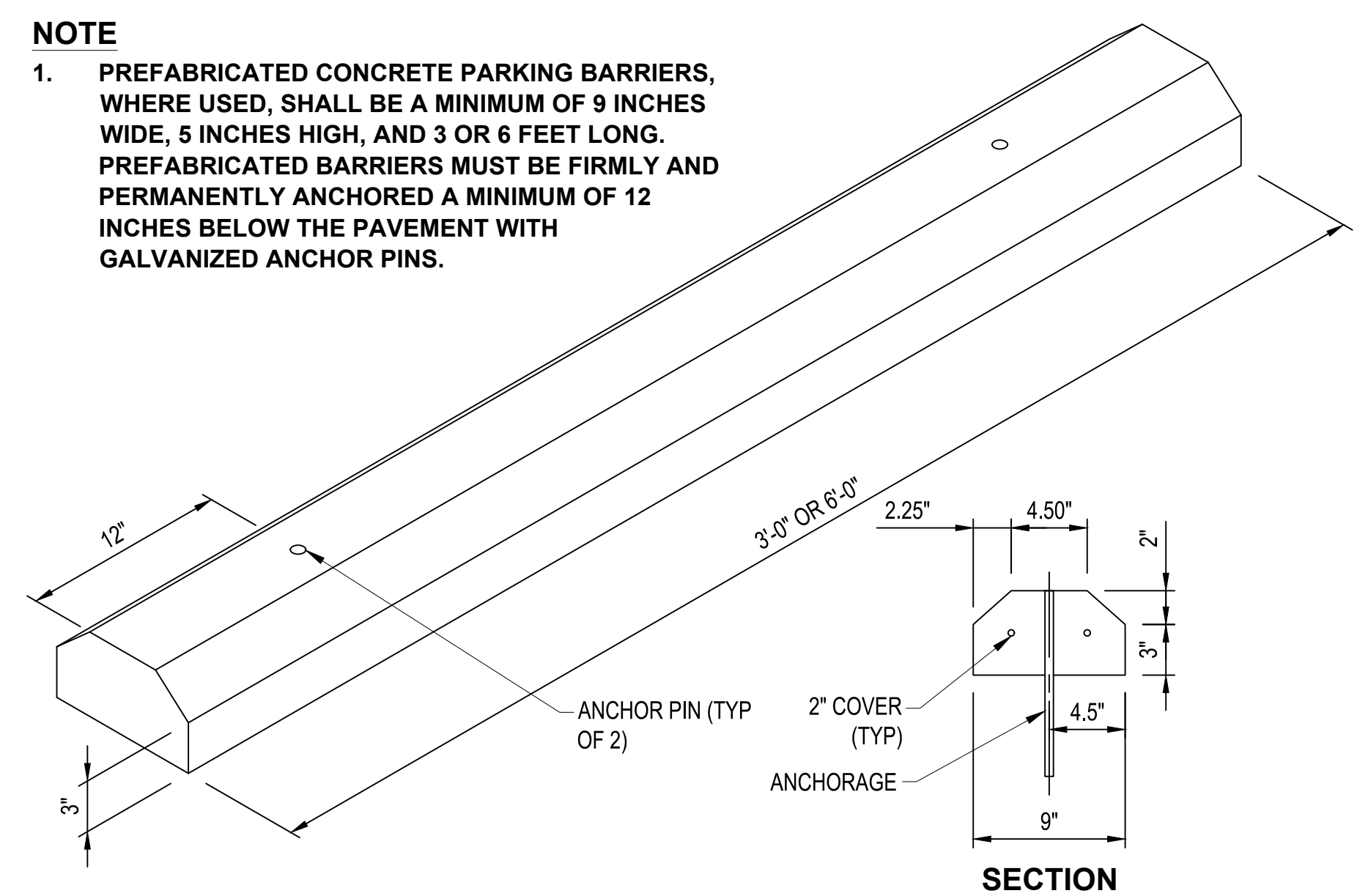
**TAKE CHARGE
FAIRMONT SCOTTSDALE PRINCESS
7575 E PRINCESS DR
WA622585**



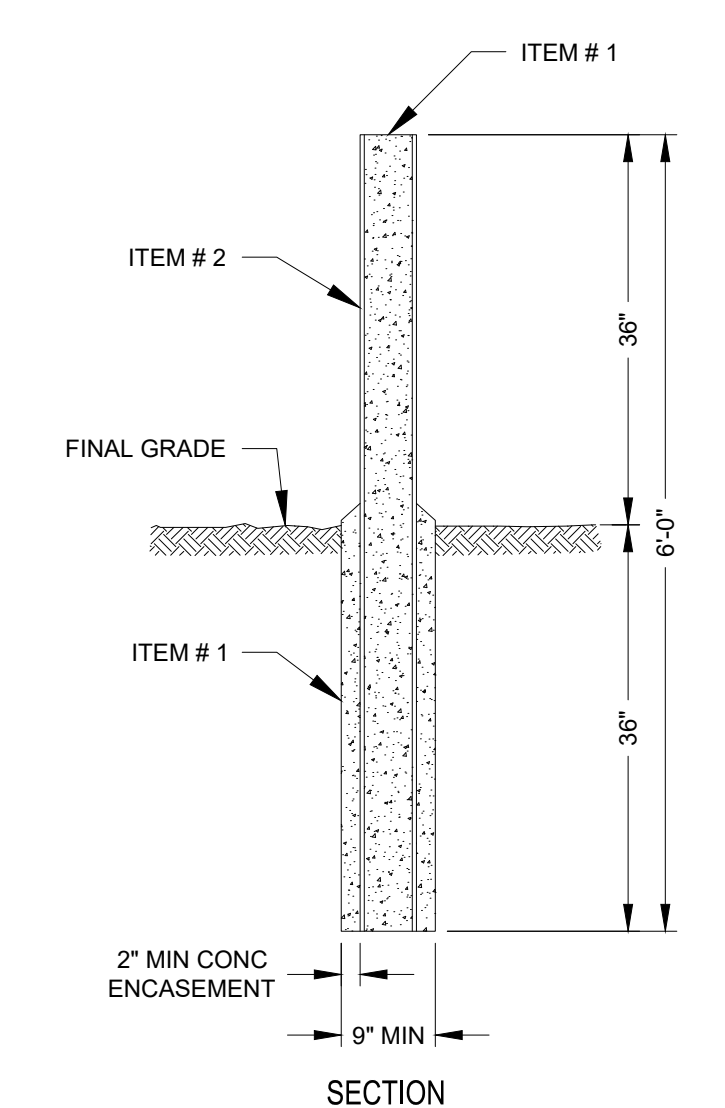
1 DUAL PORT DISPENSER DETAIL (CLIPPER CREEK HCS-40R)
NO SCALE



- FOUNDATION DETAILS**
- NOTES:
1. CONCRETE BLOCK MUST MEASURE AT LEAST 18" ON ALL SIDES.
 2. THE BOLT THREADS MUST EXTEND 2" ABOVE THE CONCRETE.
 3. THE CONDUIT MUST BE AT LEAST 1 1/2" IN DIAMETER AND EXTEND 12"-24" ABOVE THE CONCRETE. REFER TO THE CLIPPER CREEK INSTALLATION GUIDE FOR DETAILED INSTALLATION INSTRUCTIONS.
 4. FOUR HILTI 1/2" DIAMETER KB-TZ CARBON STEEL ANCHORS, 7" TO BE INSTALLED. CONTRACTOR TO SUBMIT DATA SHEETS AND REPORTS IF PROPOSING TO NOT USE THE PRODUCT.



2 TYPICAL PARKING BARRIER (WHEEL STOP) DETAIL
NO SCALE



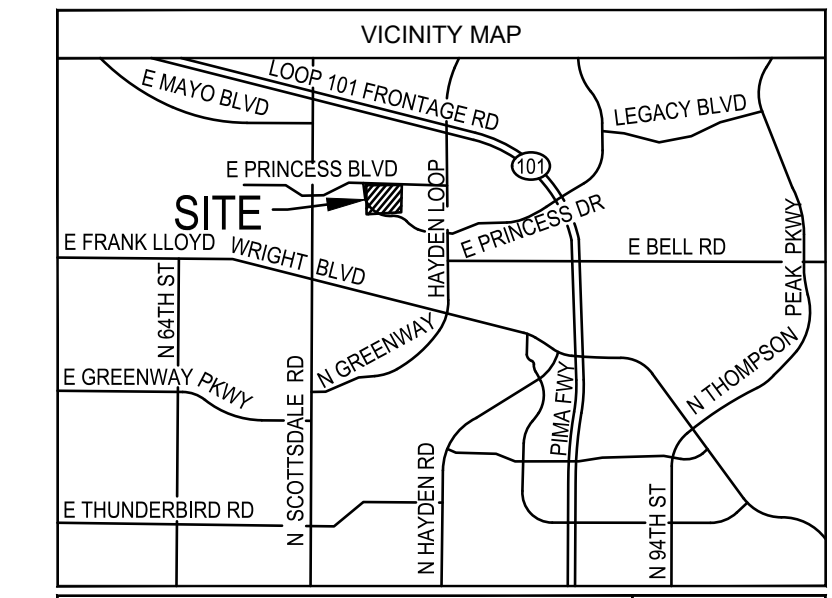
3 FIXED BARRIER POST DETAIL
NO SCALE

- NOTES:
1. A 2-INCH MINIMUM CONCRETE ENCASEMENT IS REQUIRED AROUND THE BARRIER POST BELOW GRADE.
 2. USE ADDITIONAL BARRIER POSTS AS REQUIRED TO PREVENT TRAFFIC PENETRATION INTO AREA.
 3. A 36-INCH MINIMUM CLEARANCE IS REQUIRED FROM THE PAD TO THE OPTIONAL FRONT AND SIDE BARRIER POSTS FOR OPENING EQUIPMENT DOORS.
 4. CAUTION MUST BE TAKEN WHEN INSTALLING POSTS SO THAT POSTS DO NOT MAKE CONTACT WITH CONDUIT SYSTEM.
 5. PREMIX CONCRETE IS ONLY AVAILABLE IN 60 LB SACKS. WHEN 90 LB SACKS ARE WANTED, THEY MUST BE SPECIAL ORDERED.

CODE		2990	2995	MATERIAL LIST	
ITEM	QTY	QTY	DESCRIPTION	APN	
1	3	6	CONCRETE PRE-MIX 60#	71301280	
2	-	1	POST FIXED BARRIER	70006120	

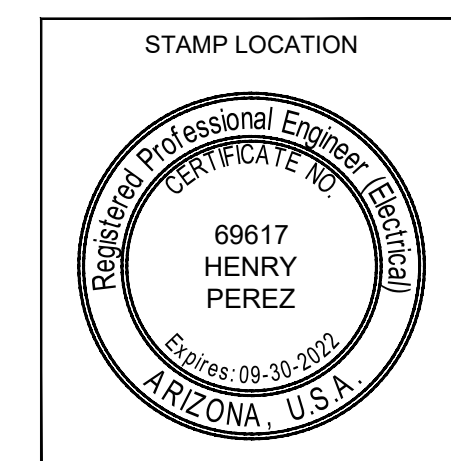


C2.0 DETAILS SHEET



T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03

CONTACT: JASON PAQUETTE
PHONE: 619-518-1101 PGR/MOBILE:
INSPECTOR: JEFF TURNER
PHONE: 928-581-9754 PGR/MOBILE:



STAMP LOCATION

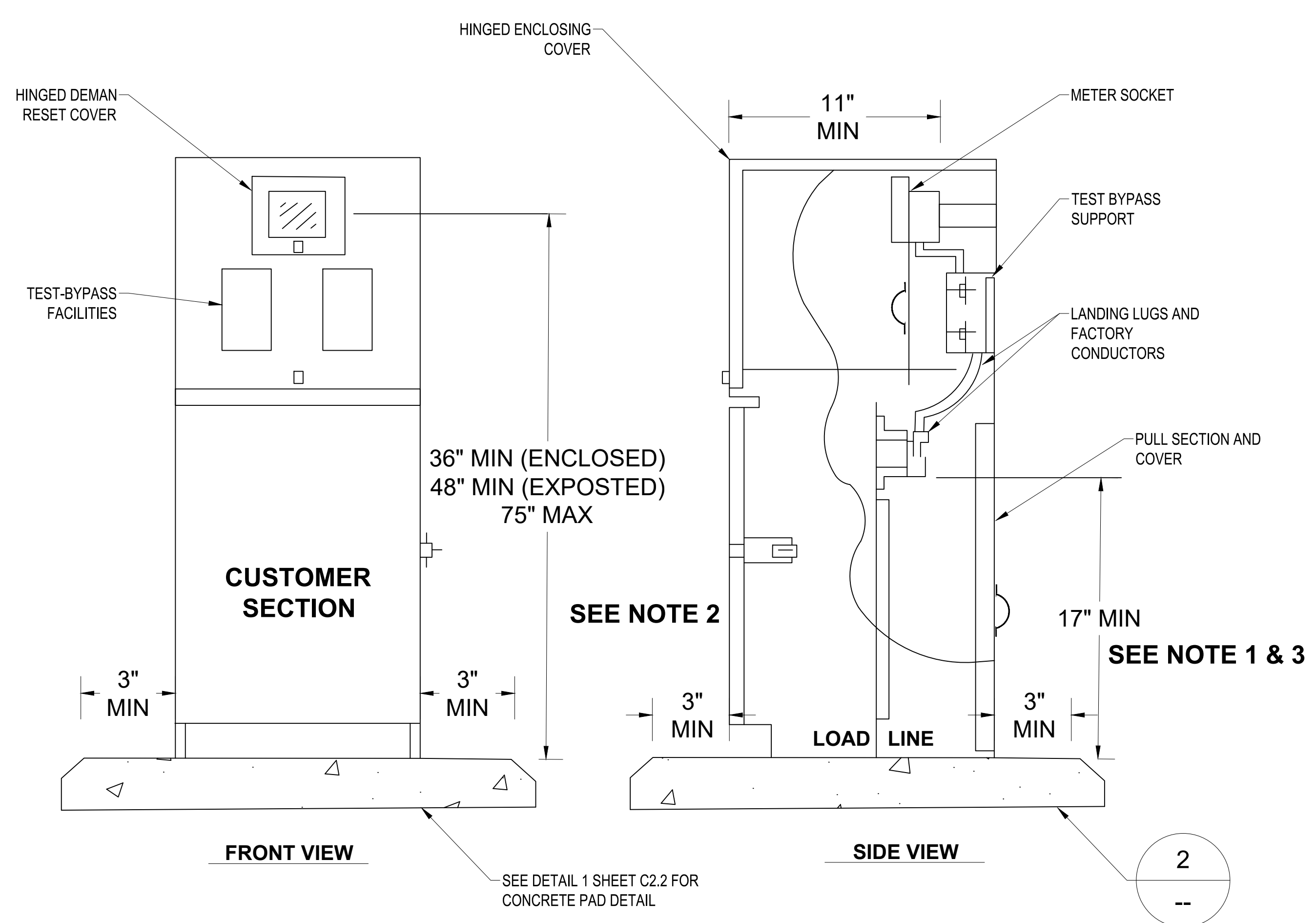
NO.	DATE	DESCRIPTION	BY

TAKE CHARGE [26.62KW, 208V 3-PHASE]
FAIRMONT SCOTTSDALE PRINCESS
7575 E PRINCESS DR, SCOTTSDALE, AZ 85255
FINAL ENGINEERING

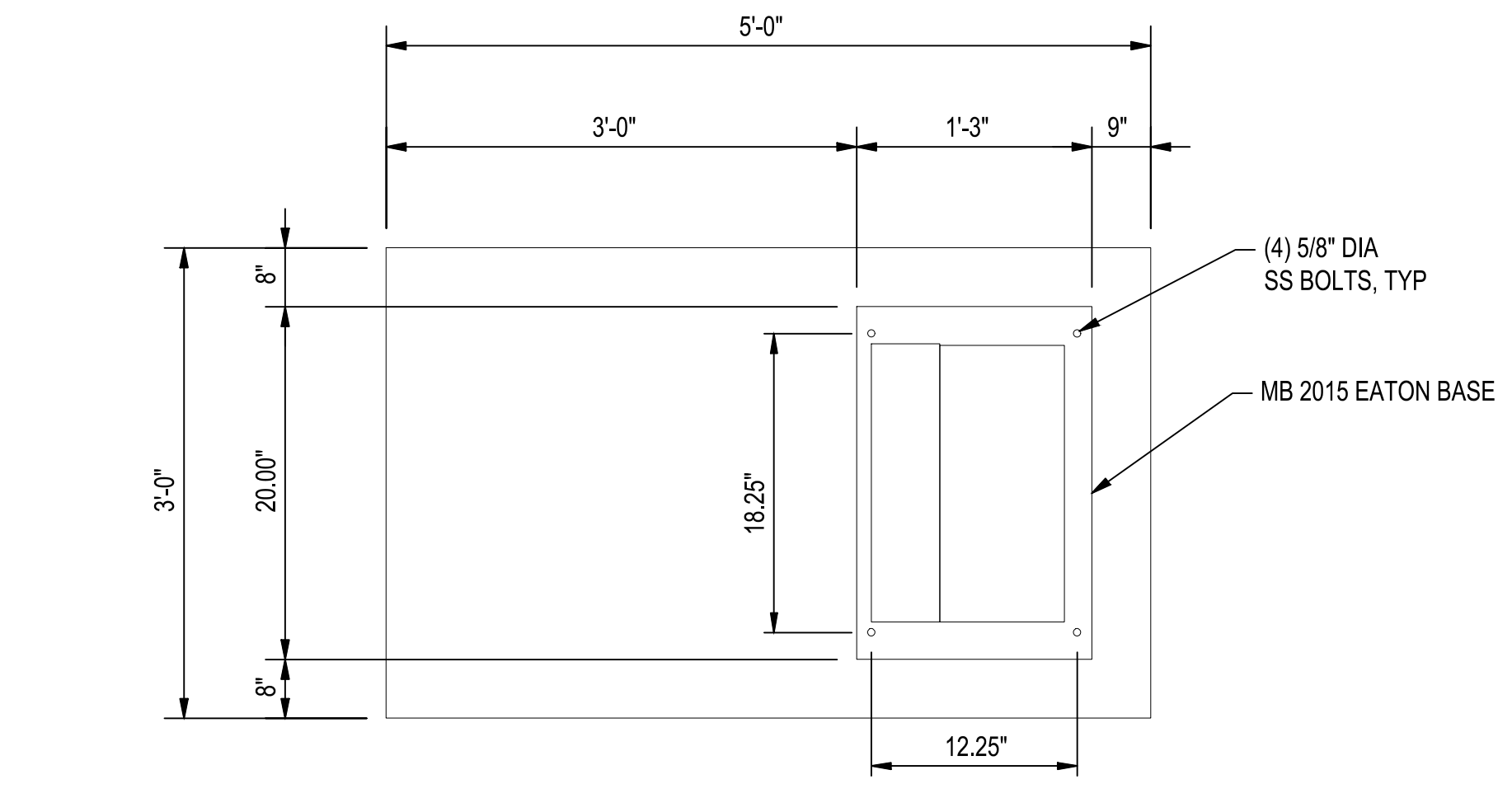
aps

WO#: WA622585 DATE: 8-13-2021
BY: TR-C2 SCALE: AS NOTED
APS DWG #: 165552 VENDOR #: C2.0

TAKE CHARGE
 FAIRMONT SCOTTSDALE PRINCESS
 7575 E PRINCESS DR
 WA622585

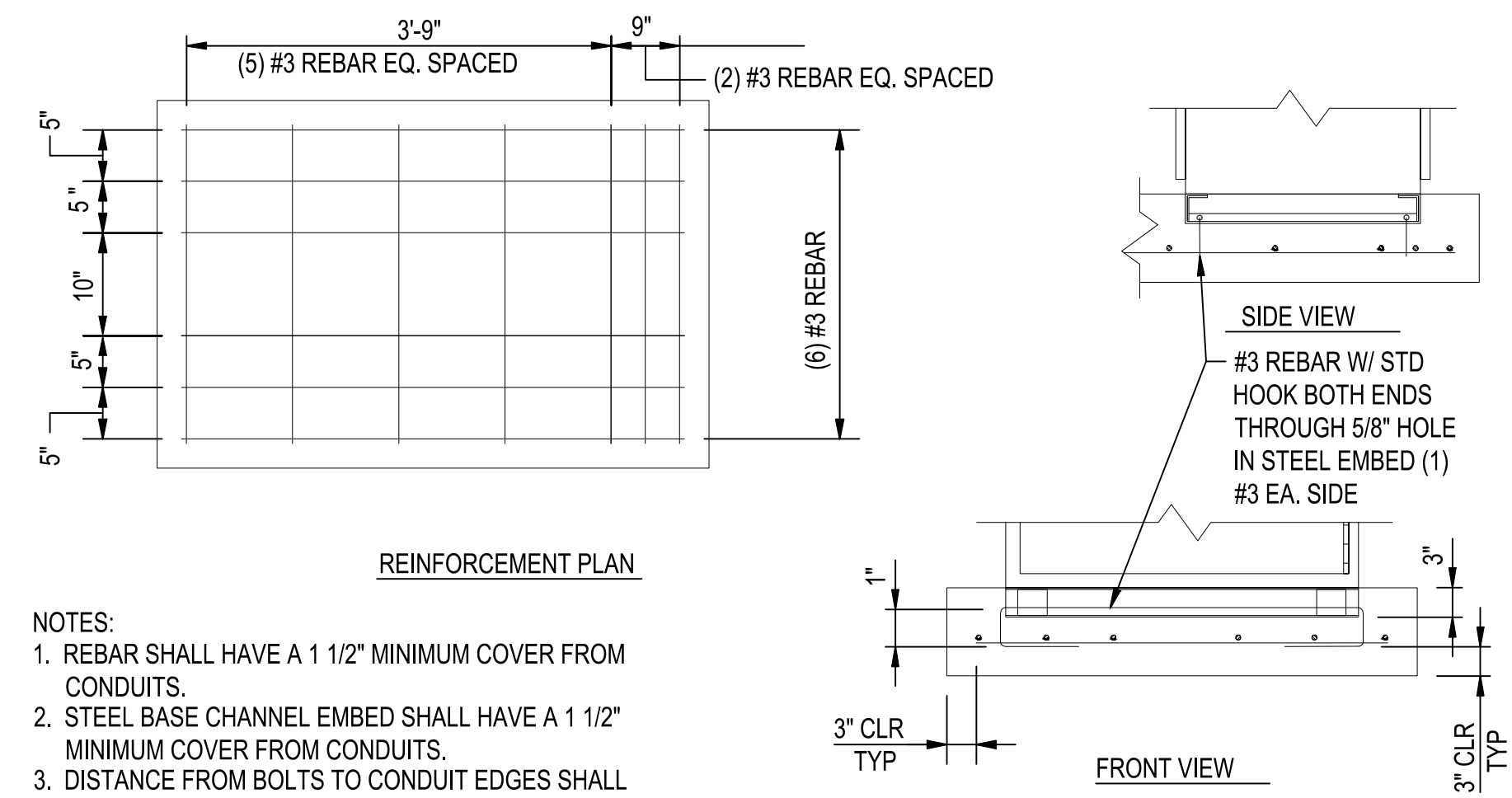


NOTE	PART NUMBER	DESCRIPTION	QTY.
1	3IN SCH40 CONDUIT	CONDUIT (XFMR TO METER)	1
2	CMP4421MCH-1	PAD MOUNT METER PEDESTAL	1
3	1.5IN CONDUIT	CONDUIT (DP TO CHARGER)	2



NOTE:
 CONDUITS SHALL BE CAST INTO THE FOUNDATION PER ELECTRICAL REQUIREMENTS METHOD:

- USE PRE-FABRICATED MOUNTING BRACE ASSEMBLY INSTALL MOUNTING BASE ASSEMBLY FLUSH WITH TOP SURFACE OF CONCRETE PAD, ALLOWING MOUNTING STUDS TO REACH ABOVE PAD. LOCATE LINE AND LOAD CONDUITS IN THE DESIGNATED AREAS AS SHOWN ON DRAWINGS BELOW.
- USE ANCHOR BOLTS (5/8\"/>



NOTES:

- REBAR SHALL HAVE A 1 1/2\"/>
- STEEL BASE CHANNEL EMBED SHALL HAVE A 1 1/2\"/>
- DISTANCE FROM BOLTS TO CONDUIT EDGES SHALL BE A MINIMUM OF 6\"/>

CONCRETE PAD DETAIL

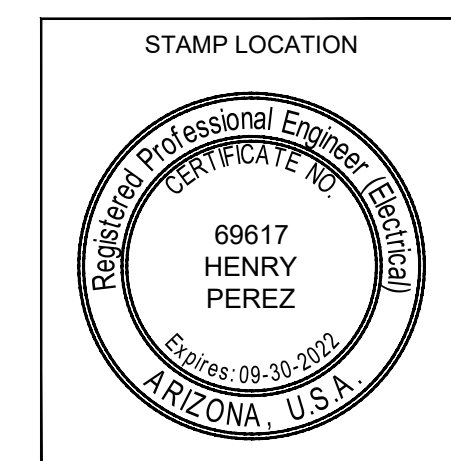


C2.1 DETAILS SHEET

VICINITY MAP

T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03

CONTACT: JASON PAQUETTE
 PHONE: 619-518-1101 PGR/MOBILE:
 INSPECTOR: JEFF TURNER
 PHONE: 928-581-9754 PGR/MOBILE:



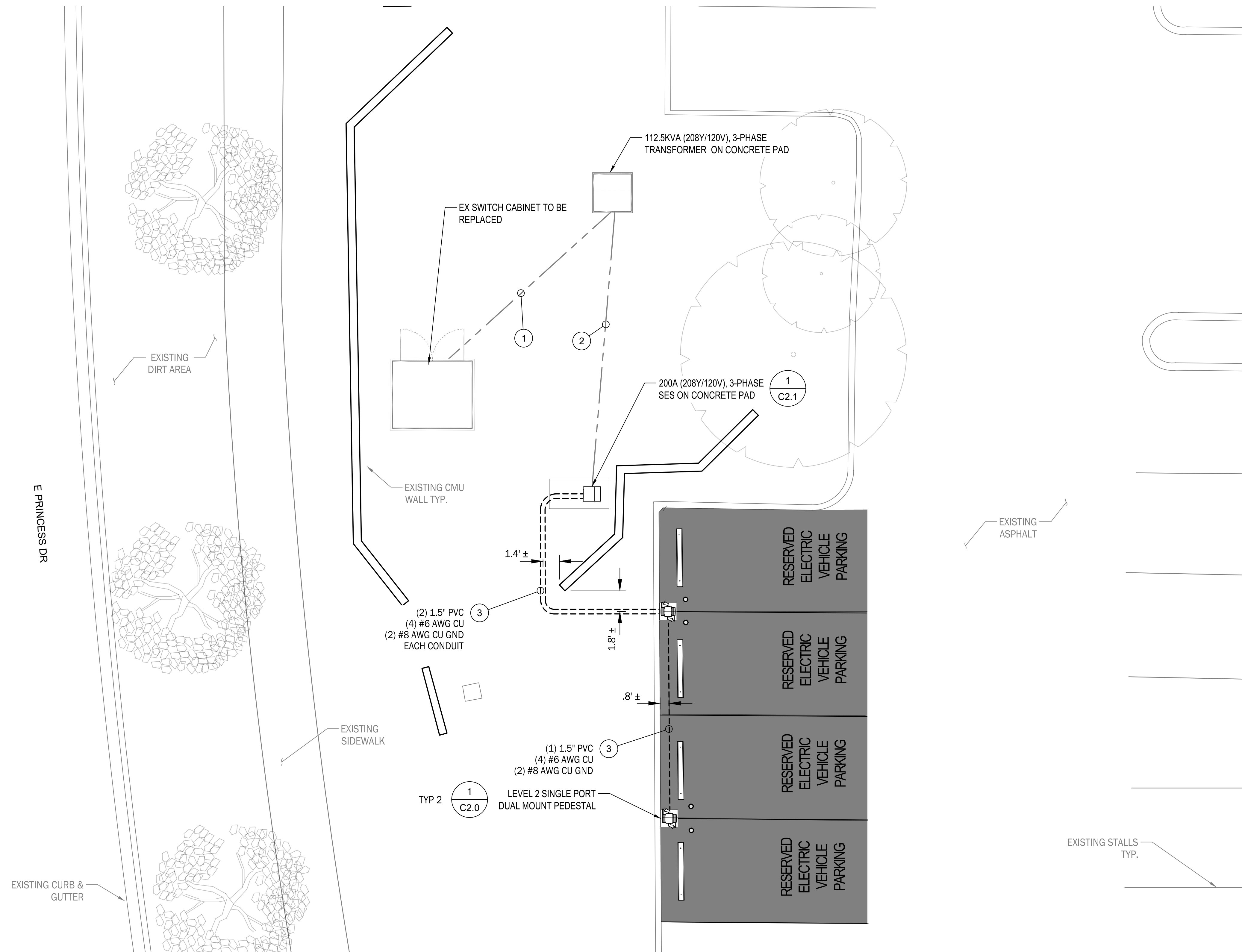
NO.	DATE	DESCRIPTION	BY
TAKE CHARGE [26.62KW, 208V 3-PHASE] FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	C2.1

EXPIRES: 9-30-2022

NOTES

- ALL UTILITY RELATED SCOPE OF WORK (TO THE POINT OF SERVICE) IS DETAILED IN THE APS UTILITY DESIGN DRAWING "WA622585"
1. CONDUIT ROUTING IS DIAGRAMMATICALLY SHOWN ON PLANS AND ARE ONLY APPROXIMATIONS. THE EXACT LOCATION AND ROUTING PATHS SHALL BE FIELD VERIFIED AND INSTALLED PER JURISDICTIONAL REQUIREMENTS.
 2. ALL EQUIPMENT, FEEDERS AND DEVICES PROVIDED UNDER THIS SCOPE OF WORK IS NEW AND SHOWN IN BOLD UNLESS OTHERWISE NOTED.
 3. PERFORM GROUND PENETRATING RADAR SURVEY PRIOR TO DIGGING.

**TAKE CHARGE
FAIRMONT SCOTTSDALE PRINCESS
7575 E PRINCESS DR
WA622585**



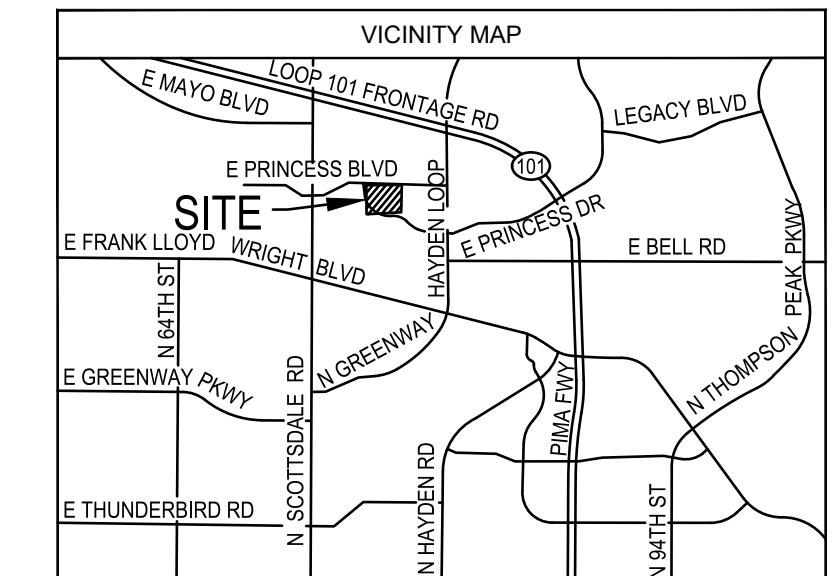
BRANCH CIRCUIT LENGTHS (FROM DISTRIBUTION PANEL TO EV CHARGERS)			
LEVEL 2 EV CHARGER	LENGTH (FT)	WIRE SIZE	CIRCUIT #
1	60	#6	1 & 3
2	60	#6	5 & 7
3	77	#6	2 & 4
4	77	#6	6 & 8

1. PROPOSED 4" UNDERGROUND ELECTRIC CONDUIT TO PROPOSED TRANSFORMER (T1M PER APS WO# WA622585).
2. PROPOSED 3" UNDERGROUND ELECTRIC CONDUIT FROM PROPOSED TRANSFORMER TO PROPOSED METER & DISTRIBUTION PANEL. (T1M PER APS WO# WA622585).
3. PROPOSED 1 1/2" PVC CONDUIT FROM 200A (280Y/120V) 3Ø DISTRIBUTION PANEL TO LEVEL 2 CHARGING STATIONS.

ELECTRICAL SITE PLAN

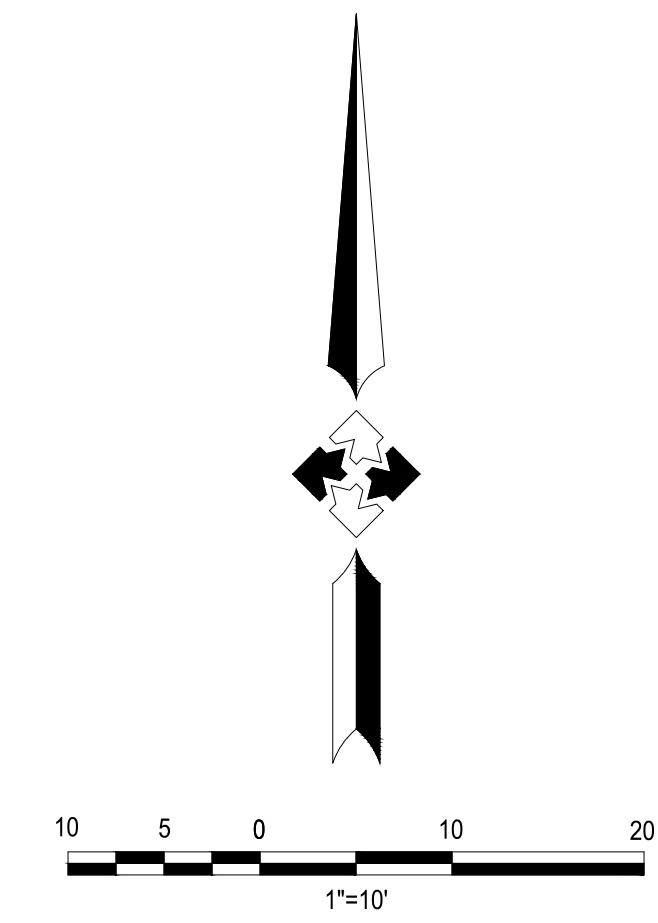


E1.0 ELECTRICAL SITE PLAN



T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03

CONTACT: JASON PAQUETTE
PHONE: 619-518-1101 PGR/MOBILE:
INSPECTOR: JEFF TURNER
PHONE: 928-581-9754 PGR/MOBILE:



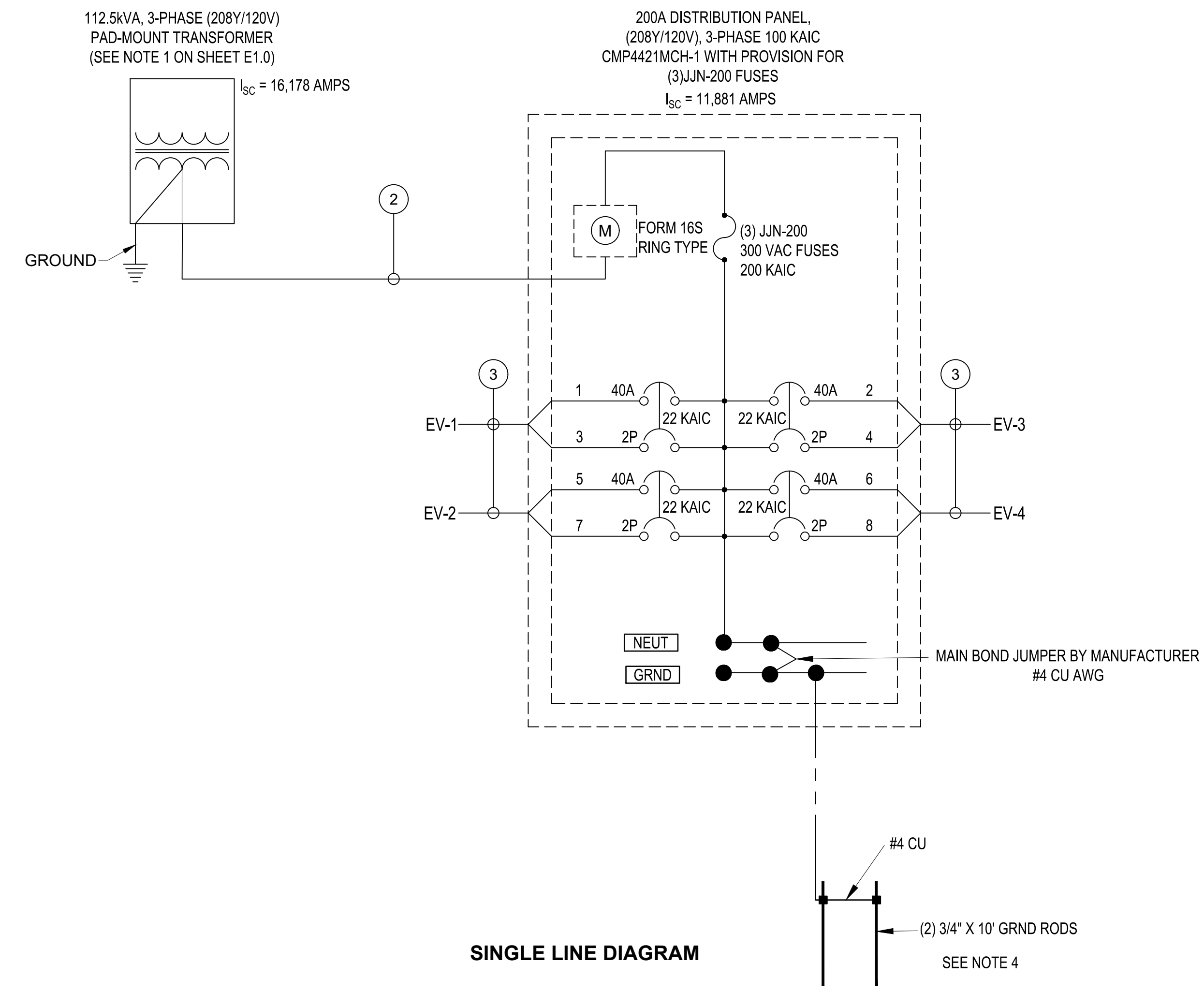
STAMP LOCATION

69617
HENRY PEREZ
Expires: 09-30-2022
ARIZONA, U.S.A.

NO.	DATE	DESCRIPTION	BY
TAKE CHARGE (26.62KW, 208V 3-PHASE) FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	E1.0

EXPIRES: 9-30-2022

**TAKE CHARGE
FAIRMONT SCOTTSDALE PRINCESS
7575 E PRINCESS DR
WA622585**



Panel: **EV**
 Voltage: **208Y/ 120V** Volts AC
 Bus Rating: **200** Amps per Phase
 Main Fuse JIN: **200** Amps
 Phase: **3** Wires: **4**
 Location: **WEST SIDE OF PARKING LOT**

Model Number: **EATON CMP4421MCH-1**
 Enclosure Type: **NEMA 3R**
 Mount: **Pedestal**
 Panel Status: **New**

CKT	Description	Trip	Load	Phase A (VA)	Phase B (VA)	Phase C (VA)	Load	Trip	Description	CKT
1	EV-1	40A	3,328	6,656			3,328	40A	EV-3	2
3		2P	3,328			6,656	3,328	2P		4
5	EV-2	40A	3,328			6,656	3,328	40A	EV-4	6
7		2P	3,328	6,656		3,328	2P	8		
9	Space	40A					40A		Space	10
11	Space	40A					2P		Space	12
				13,312	6,656	6,656	VA			

Total VA 39,936.00
Total KVA 49.92 (HIGHEST LEG X 3) WITH 125% DF
Total AMPS 138.56 ≤ 100% OF OCPD

PANEL SCHEDULE

<180'	180' - 290'	290' - 400'	400' >
(4) #6 AWG THWN-2 CU + (2) #8 AWG THWN-2 CU EGC IN 1 1/2" PVC CONDUIT	(4) #4 AWG THWN-2 CU + (2) #8 AWG THWN-2 CU EGC IN 1 1/2" PVC CONDUIT	(4) #3 AWG THWN-2 CU + (2) #8 AWG THWN-2 CU EGC IN 1 1/2" PVC CONDUIT	(4) #2 AWG THWN-2 CU + (2) #8 AWG THWN-2 CU EGC IN 1 1/2" PVC CONDUIT

* SEE NOTE 2

NOTES

- CONTRACTOR TO FIELD VERIFY MAIN FEED OVER CURRENT PROTECTION DEVICE SUPPORTING DISTRIBUTION PANEL IS APPROPRIATELY SIZED TO SUPPORT THE LOAD. CONTRACTOR SHALL CONTACT THE ENGINEERING TEAM IMMEDIATELY IF BREAKER IS FOUND TO BE INSUFFICIENT.
- CONDUCTOR LENGTHS ARE ESTIMATES ONLY. LENGTHS ARE BASED ON DIAGRAMMATICAL MEASUREMENTS AND APPROXIMATED BURIED DEPTHS. THE EXACT ROUTING PATH, CONDUCTOR RUN LENGTHS AND INSTALLATION SHALL BE DETERMINED BY THE CONTRACTOR IN THE FILED BASED ON EXISTING SITE CONDITIONS AND PHYSICAL MEASUREMENTS. CONTRACTOR TO ORDER CONDUCTOR BASED ON FIELD MEASUREMENTS.
- CHARGING UNITS ARE EQUIPPED WITH AN INTEGRATED CONTACTOR TO PREVENT BACK FEEDING OF POWER TO THE SOURCE.
- FOR ADDITIONAL GROUNDING INFORMATION, SEE GROUNDING DETAIL ON SHEET E3.0.
- SEE CUSTOMIZATION FORM ON SHEET R1.1 FOR ADDITIONAL REQUIREMENTS.
- INSTALL CLASS 16S METER SOCKET.

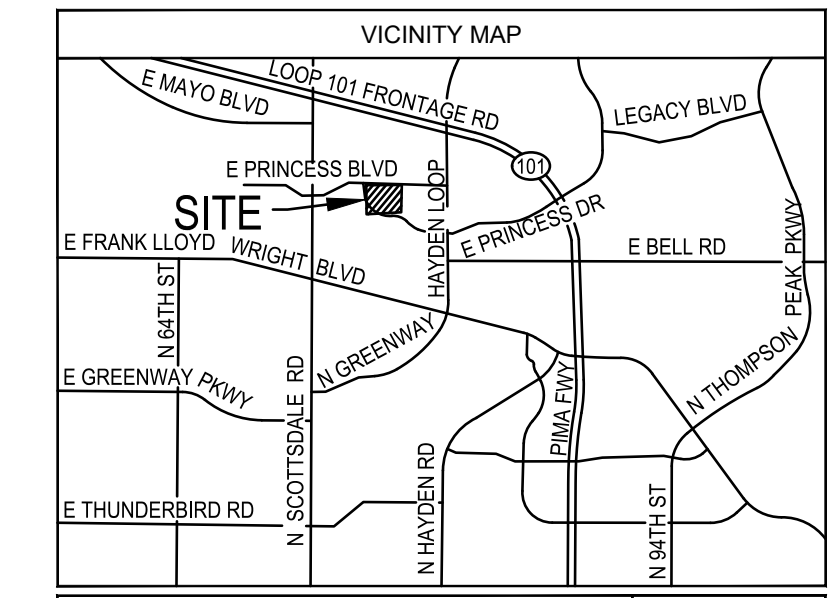
NO	FROM	TO	CONFIGURATION
①	UTILITY TRANSFORMER	AC PANELBOARD	SEE APS UTILITY DRAWINGS WO# WA622585
②	AC PANELBOARD	EV CHARGER	SEE TABLE B FOR VOLTAGE DROP CONSIDERATIONS DUE TO CONDUCTOR LENGTH

AC RUN MAXIMUM LENGTHS IS 400' INCLUDING BURIED DEPTH. ANY AC RUN LENGTHS BEYOND THIS MAXIMUM SHALL BE ADDRESSED WITH THE APPROPRIATE ENGINEERING TEAMS AS SOON AS THE SITUATION ARISES.

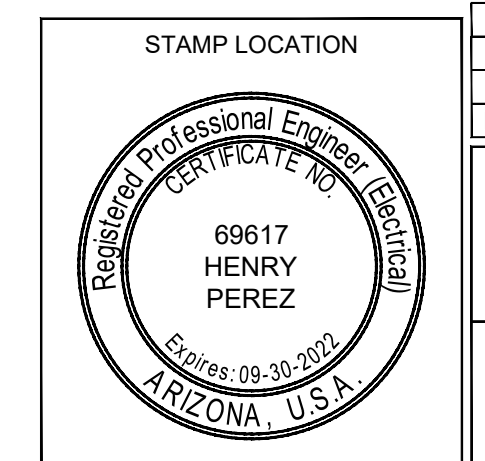
MAXIMUM AC VOLTAGE DROP (%)	1.14%
AVERAGE AC VOLTAGE DROP (%)	1.02%



**E2.0 SINGLE LINE DIAGRAM
PANEL SCHEDULE**



T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03
 CONTACT: JASON PAQUETTE
 PHONE: 619-518-1101 PGR/MOBILE:
 INSPECTOR: JEFF TURNER
 PHONE: 928-581-9754 PGR/MOBILE:



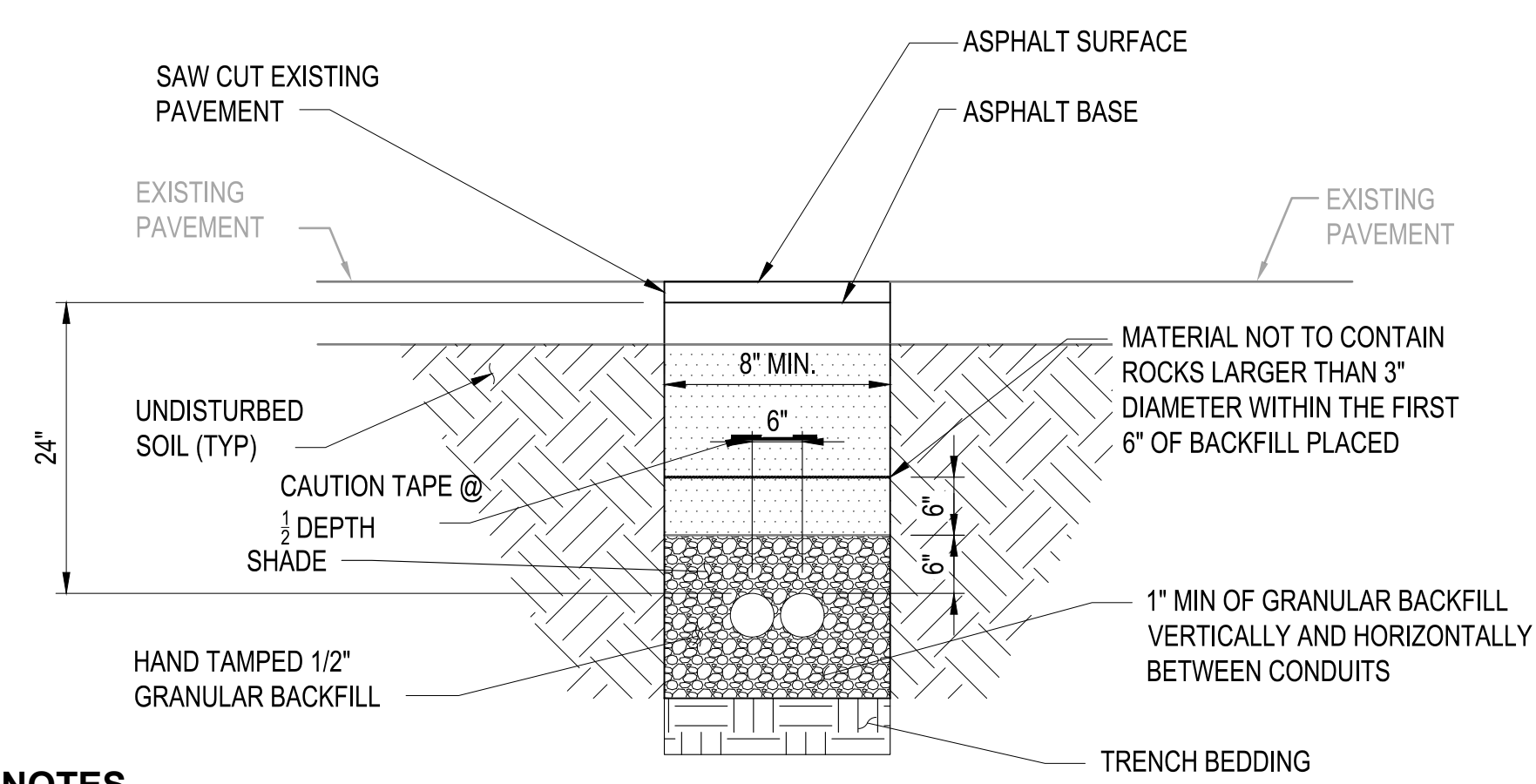
TAKE CHARGE [26.62KW, 208V 3-PHASE]
 FAIRMONT SCOTTSDALE PRINCESS
 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255
 FINAL ENGINEERING

aps

WO#: WA622585 DATE: 8-13-2021
 BY: TR-C2 SCALE: AS NOTED
 APS DWG #: 165552 VENDOR #: E2.0

EXPIRES: 9-30-2022

TAKE CHARGE
 FAIRMONT SCOTTSDALE PRINCESS
 7575 E PRINCESS DR
 WA622585

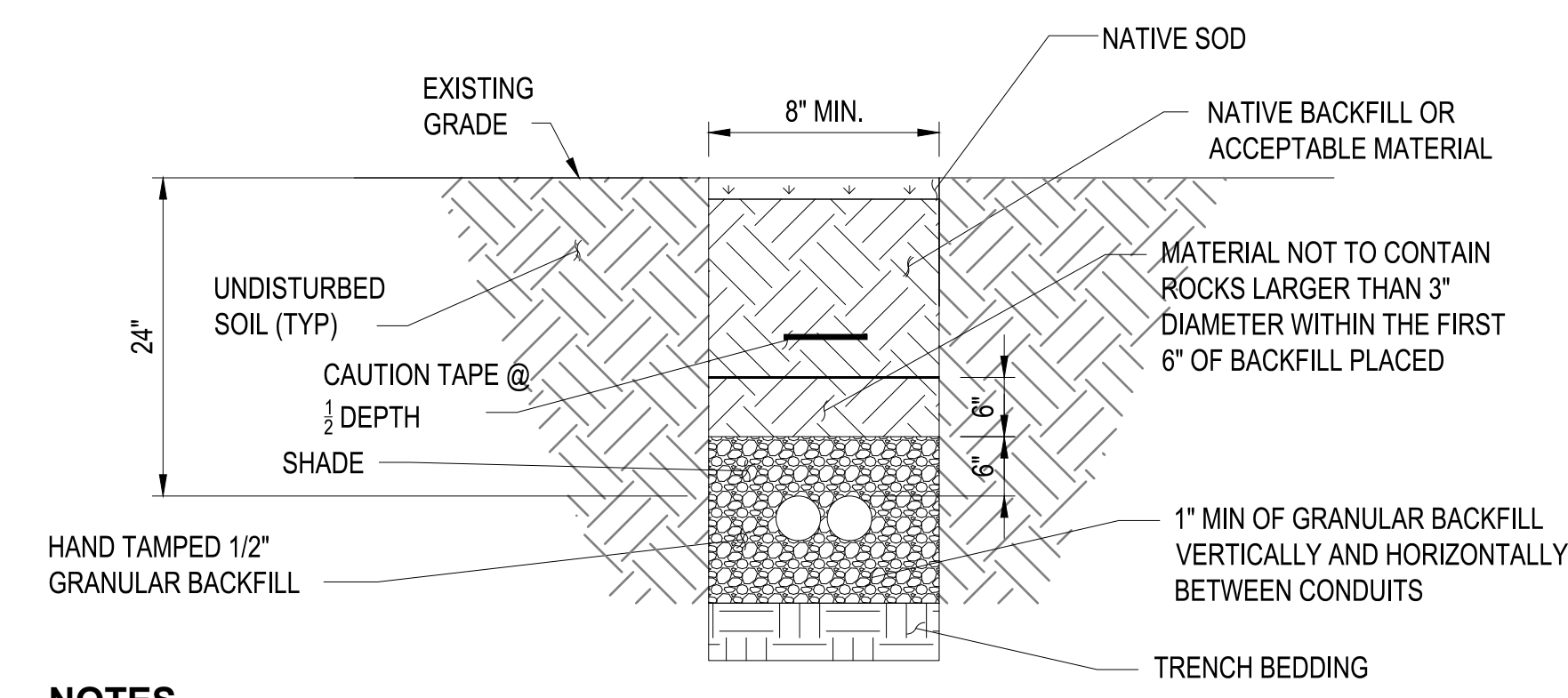


NOTES

- TRENCHING REQUIREMENTS SHALL MEET THE STANDARDS PER THE APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.
- ASPHALT SHALL COMPLY WITH STANDARD DOT OR LOCAL JURISDICTION SPEC. FOR HMA SURFACE COURSE.
- ANY EXCAVATION LEFT OPEN NEEDS TO BE FENCED, BARRICADED, OR TRENCH PLATED TO ENSURE THE SAFETY OF THE GENERAL PUBLIC.
- ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE CONSTRUCTION CONDITIONS OR BETTER.
- EXACT NUMBER OF CONDUITS SHALL BE DETERMINED BY SHEET E1.0 & E2.0. EXACT CONDUIT PLACEMENT IN TRENCH SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON PHYSICAL MEASUREMENTS AND JURISDICTIONAL REQUIREMENTS.
- CLEAN GRANULAR BACKFILL SHALL BE PLACED IN LOOSE, LEVEL LIFTS NOT TO EXCEED 6-INCHES THICKNESS.
- COMPACTION SHALL BE BY MECHANICAL VIBRATORY PLATE COMPACTORS UNLESS OTHERWISE SPECIFIED.
- COMPACTION TO THE SAME DENSITY AS THE UNDISTURBED SOIL. COMPACT EACH LAYER UNTIL THERE IS NO EVIDENCE OF CONSOLIDATION.
- FINAL LIFT BENEATH PAVEMENTS SHALL BE COMPACTED A MINIMUM OF FOUR COMPLETE PASSES.
- CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE USED IN PLACE OF CLEAN GRANULAR BACKFILL. CLSM SHALL CONFORM TO THE REQUIREMENTS OF THE DOT STANDARD SPECIFICATIONS.
- SHADE MATERIAL SHALL NOT CONTAIN ROCKS LARGER THAN 1-1/2 INCHES IN THEIR GREATEST DIMENSION AND SHALL CONFORM TO APS SERVICE REQUIREMENTS MANUAL SECTION 600.05.
- TRENCH BEDDING SHALL MEET THE STANDARDS PER APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.03.
- ALL UTILITY CROSSINGS SHALL PROVIDE A MINIMUM OF 12 INCHES CLEAR VERTICAL SEPARATION FROM THE APS ELECTRIC FACILITIES AS OUTLINED IN THE APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.02.

UNDER PAVEMENT APS TRENCH DETAIL

NO SCALE



NOTES

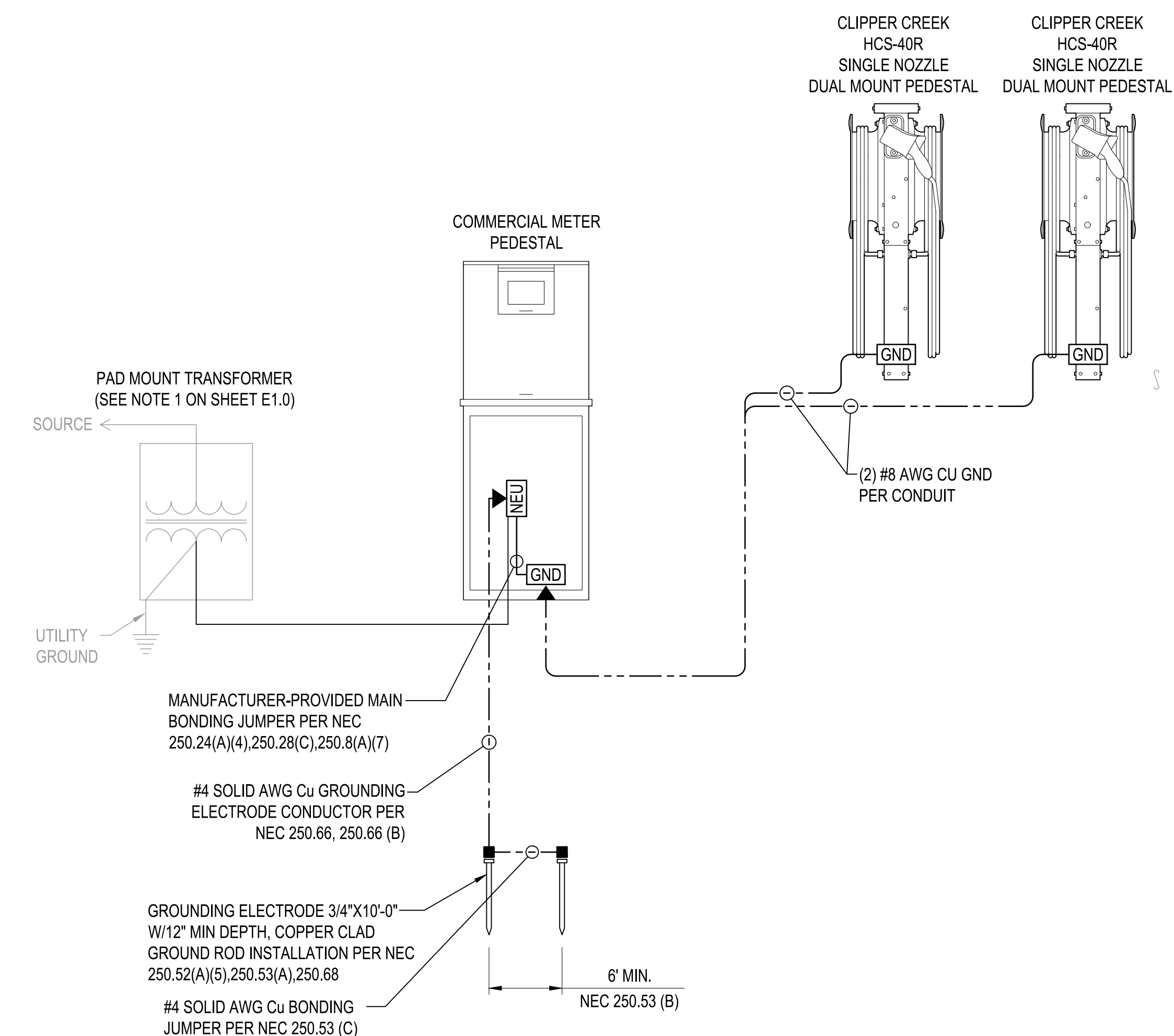
- TRENCHING REQUIREMENTS SHALL MEET THE STANDARDS PER APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.
- ANY EXCAVATION LEFT OPEN NEEDS TO BE FENCED, BARRICADED, OR TRENCH PLATED TO ENSURE THE SAFETY OF THE GENERAL PUBLIC.
- ANY LANDSCAPE DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE CONSTRUCTION CONDITIONS OR BETTER.
- EXACT NUMBER OF CONDUITS SHALL BE DETERMINED BY SHEET E1.0 & E2.0. EXACT CONDUIT PLACEMENT IN TRENCH SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON PHYSICAL MEASUREMENTS AND JURISDICTIONAL REQUIREMENTS.
- BACKFILL SHALL BE PLACED IN LOOSE, LEVEL LIFTS NOT TO EXCEED 6-INCHES THICKNESS.
- COMPACTION SHALL BE BY MECHANICAL VIBRATORY PLATE COMPACTORS UNLESS OTHERWISE SPECIFIED.
- COMPACTION TO THE SAME DENSITY AS THE UNDISTURBED SOIL. COMPACT EACH LAYER UNTIL THERE IS NO EVIDENCE OF CONSOLIDATION.
- CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE USED IN PLACE OF GRANULAR BACKFILL. CLSM SHALL CONFORM TO THE REQUIREMENTS OF THE DOT STANDARD SPECIFICATIONS.
- SHADE MATERIAL SHALL NOT CONTAIN ROCKS LARGER THAN 1-1/2 INCHES IN THEIR GREATEST DIMENSION AND SHALL CONFORM TO APS SERVICE REQUIREMENTS MANUAL SECTION 600.05.
- TRENCH BEDDING SHALL MEET THE STANDARDS PER APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.03.
- ALL UTILITY CROSSINGS SHALL PROVIDE A MINIMUM OF 12 INCHES CLEAR VERTICAL SEPARATION FROM THE APS ELECTRIC FACILITIES AS OUTLINED IN THE APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.02.

UNDER SOIL APS TRENCH DETAIL

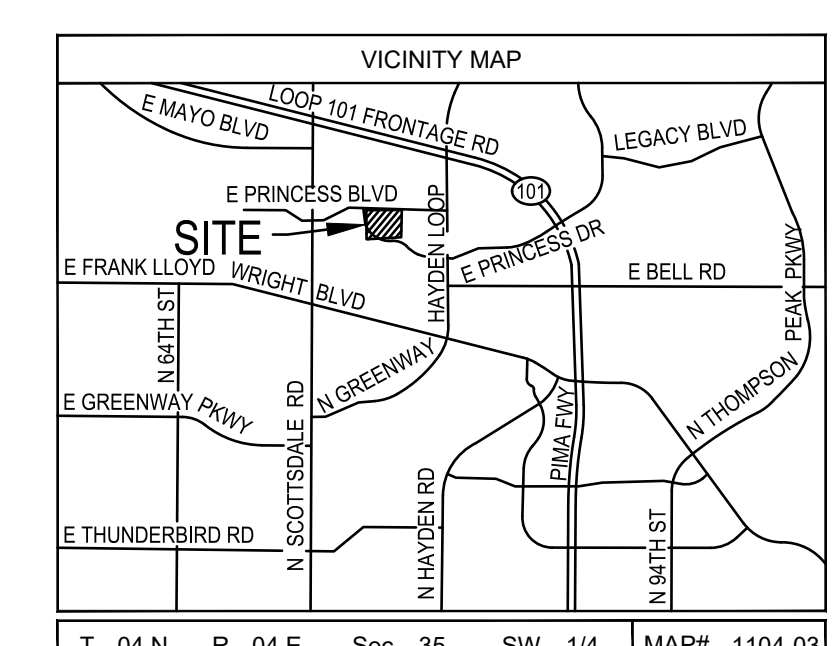
NO SCALE

GROUNDING NOTES

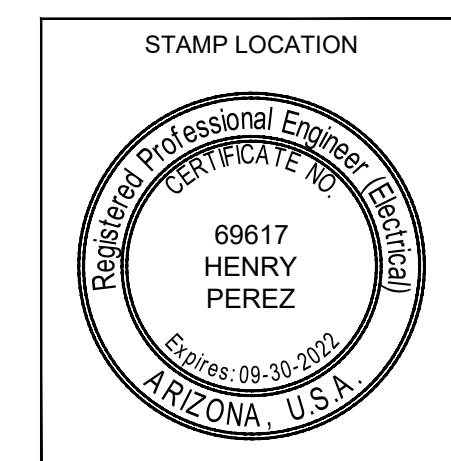
- COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).
- ALL BELOW GRADE BONDS TO BE EXOTHERMIC WELDS OR IRREVERSIBLE COMPRESSION-TYPE CONNECTIONS LISTED FOR USE IN THE APPLICATION WHICH THEY ARE INSTALLED.
- GROUNDING CONDUCTORS ARE GENERALLY NOT SHOWN. GROUND AND BOND ALL EQUIPMENT, RACEWAYS, MOTORS, PANELBOARDS AND SWITCHBOARDS, ETC. IN ACCORDANCE WITH 2017 NEC, ARTICLE 250.
- 25Ω RESISTANCE OR LESS.



E3.0 ELECTRICAL DETAILS



T 04 N	R 04 E	Sec 35	SW 1/4	MAP# 1104-03
CONTACT: JASON PAQUETTE				
PHONE: 619-518-1101 PGR/MOBILE:				
INSPECTOR: JEFF TURNER				
PHONE: 928-581-9754 PGR/MOBILE:				



NO.	DATE	DESCRIPTION	BY
TAKE CHARGE (26.62KW, 208V 3-PHASE) FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			

WO#: WA622585	DATE: 8-13-2021
BY: TR-C2	SCALE: AS NOTED
APS DWG #: 165552	VENDOR #: E3.0

EXPIRES: 9-30-2022

TAKE CHARGE
 FAIRMONT SCOTTSDALE PRINCESS
 7575 E PRINCESS DR
 WA622585



HCS SERIES PRODUCT OVERVIEW

ELECTRICAL SPECIFICATIONS

- **Certifications** - ETL, cETL Listed
- **Service** - 208V to 240V - 20A to 80A, single phase, 2 wire w/ground
- **Charge Current Output Power** - 208V to 240V-16A to 64A continuous (3.3kW to 15.4kW)
- **Service Ground Monitor** - Constantly checks for presence of proper safety ground
- **Automatic Circuit Reclosure** - After minor power faults
- **Charge Circuit Interruption Device** - Ground fault protection with fully automated self-test, eliminates manual user testing

MATERIAL SPECIFICATIONS

- 25 foot charging cable
- Three year warranty
- Install hardwired or plug-in
- Indoor/outdoor rated fully sealed (NEMA 4) enclosure
- Operating temperatures: -22°F to 122°F (-30°C to 50°C)
- Wall mount holster included

ACCESS CONTROL OPTION AVAILABLE *\$78 additional

ChargeGuard® Reliable key-based access control designed for fleet, workplace, multi-tenant, hospitality and residential charging.

MULTIPLE CONFIGURATIONS						
MODEL:	HCS-20	HCS-30	HCS-40*	HCS-50*	HCS-60	HCS-80
CIRCUIT BREAKER RATING:	20A	30A	40A	50A	60A	80A
MAXIMUM CURRENT:	16A	24A	32A	40A	48A	64A
PRICES STARTING AT:	\$565	\$565	\$565	\$635	\$899	\$969

*Plug-in options are available at an additional charge.



RUGGEDIZED OPTION AVAILABLE \$100 additional
HCS-40R, HCS-40PR, HCS-60R and HCS-80R

- 5-year warranty
- Impact and crush-resistant SAE-J1772™ connector
- Type 4X watertight and corrosion resistant rubber overmolded EV connector
- Available for plug-in installations with NEMA 14-50 or NEMA 6-50 plugs (HCS-40 only)



Share2® OPTION Maximize your Infrastructure Investment

- Turn one charging spot into two with HCS Share2®
- Full power charging for one vehicle, split power charging for two vehicles
- Compatible with ChargeGuard® enabled and Ruggedized HCS stations
- Power Sharing from a single circuit between two charging stations

Call ClipperCreek Today!
 877-694-4194
 www.clippercreek.com
 Wall Mount Connector
 Holster included



RUGGED, UNIVERSAL, ECONOMICAL. Mount one or two ClipperCreek electric vehicle charging stations on our ProMountDuo™ pedestal for a cost effective mounting solution.

- **LOW COST** - Minimize installation costs and mount one or two units on a single pedestal
- **UNIVERSAL** - Ready for multiple ClipperCreek EVSE product lines
- **RUGGED** - Powder coated galvanized or stainless steel pedestal paired with NEMA 4 fully sealed charging stations ensure protection from the environment
- **FLEXIBLE** - Can accommodate two ClipperCreek or Tesla® EVSEs plus two 120V convenience outlets
- **RELIABLE** - Backed by ClipperCreek's excellent warranty and customer service team



ProMountDuo PMD-10 UNIVERSAL PEDESTAL PRODUCT OVERVIEW

FEATURES

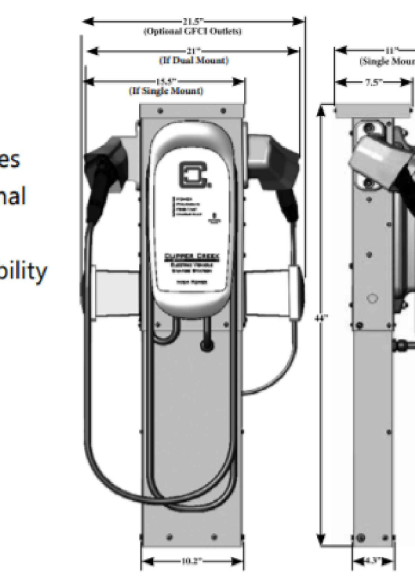
- Slim, modern profile
- Supports two stations and two 120V outlets per pedestal
- Compatible with ClipperCreek ACS, HCS and LCS product lines
- Operates as a single or dual mount pedestal with no additional kit necessary for two stations
- Galvanized and powder coated steel for environmental durability
- ADA height and reach compliant

OPTIONS AVAILABLE

- 120V Ground Fault Receptacle Kit Optional (0300-06-000)

PARTS INCLUDED

- Pedestal
- All the hardware needed to mount up to two EVSEs



More Options Now Available!

PMD-10R with HCS-60



The **PMD-10R** is an affordable solution designed for fleet, parking lot, or any harsh environment. Designed to accommodate ClipperCreek HCS, LCS, ACS products as well as the Tesla® Wall Connector. This "ruggedized" mounting solution is an excellent value at **\$695**.

- 100% stainless steel construction
- Powder coated for a lasting finish
- Stainless steel machined hardware
- No knockouts
- Plastic bushings for ease of installation
- Backed by a three year warranty

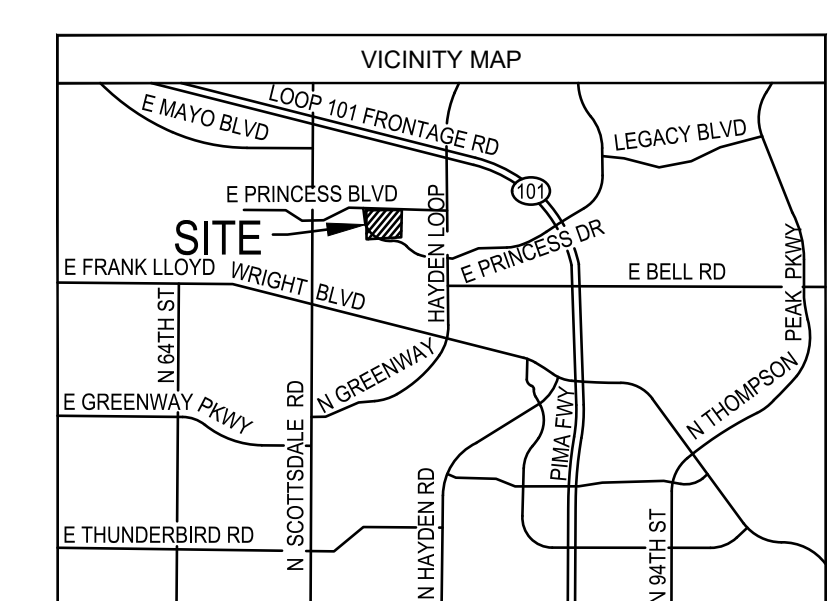
HCS/TESLA® Combo PMD-10T



The **PMD-10T** has all the same features as the PMD-10, but comes equipped to mount ClipperCreek and/or Tesla® charging stations. Available for just **\$434**



R1.0 REFERENCE DRAWING



T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03

CONTACT: JASON PAQUETTE
 PHONE: 619-518-1101 PGR/MOBILE:
 INSPECTOR: JEFF TURNER
 PHONE: 928-581-9754 PGR/MOBILE:

NO.	DATE	DESCRIPTION	BY
TAKE CHARGE (26.62KW, 208V 3-PHASE) FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	R1.0

STAMP LOCATION

EXPIRES: 9-30-2022

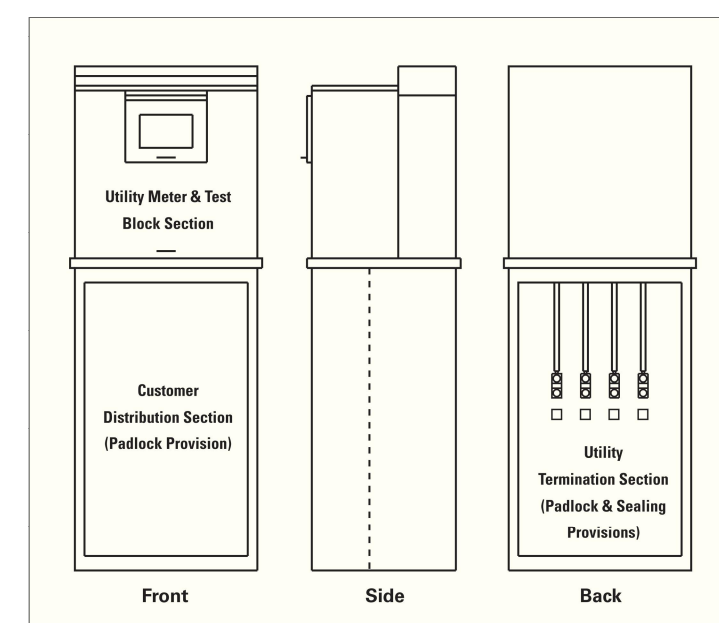
CLIPPER CREEK REFERENCE DRAWINGS

Commercial Meter Pedestals - Pad Mounted



- Application**
- Utility meter, main disconnect and distribution panel
 - Receive ANSI C12.10 watt-hour meters
- Construction**
- Ring type
 - NEMA Type 3R
 - ANSI 61 gray painted finish
 - Separate sealable utility termination and meter compartments
 - Padlockable disconnect and distribution section
 - Underground feed
- Standards**
- UL Listed
 - ANSI C12.7
 - EUSERC #308
- Accessories**
- 5th jaw kit - 50365 (single phase)
 - Filler plate kit - 25139
 - Class T fusible pullouts
 - Controls, see page 106

Catalog Number	Amp Rating	Jaws	Service Type	Bypass	Voltage	Main Breaker	Distribution Branches	Type	Mounting Pad	Width	Depth	Height
CMP4111MC-1	100	4	10.3W	TB	240	100A,2P	12	Plug-In	MB1515	15"	17 1/2"	54"
CMP4111MCH-1	100	4	10.3W	TB	480	100A,2P	14	Bolt-On	MB2015	20"	17 1/2"	54"
CMP4121MC-1	200	4	10.3W	TB	240	200A,2P	12	Plug-In	MB1515	15"	17 1/2"	54"
CMP4121MCH-1	200	4	10.3W	TB	480	200A,2P	18	Bolt-On	MB2015	20"	17 1/2"	54"
CMP4411MC-1	100	7	30.4W	TB	240	100A,3P	12	Plug-In	MB1515	15"	17 1/2"	54"
CMP4411MCH-1	100	7	30.4W	TB	480	100A,3P	12	Bolt-On	MB2015	20"	17 1/2"	54"
CMP4421MC-1	200	7	30.4W	TB	240	200A,3P	12	Plug-In	MB1515	15"	17 1/2"	54"
CMP4421MCH-1	200	7	30.4W	TB	480	200A,3P	18	Bolt-On	MB2015	20"	17 1/2"	54"



Data subject to change without notice. Consult local utility for area acceptance. All dimensions are in inches.

Instruction Sheet
IL307018EN

Effective April 2018

B-LINE
SERIES

Commercial Meter Pedestals -
Mounting Base Details

Installation Instructions
CMP-4000 Series

Meter pedestals are designed for pad-mount installation. Two methods can be used to install pedestals on a concrete pad.

Method 1. Use pre-fabricated mounting base assembly.

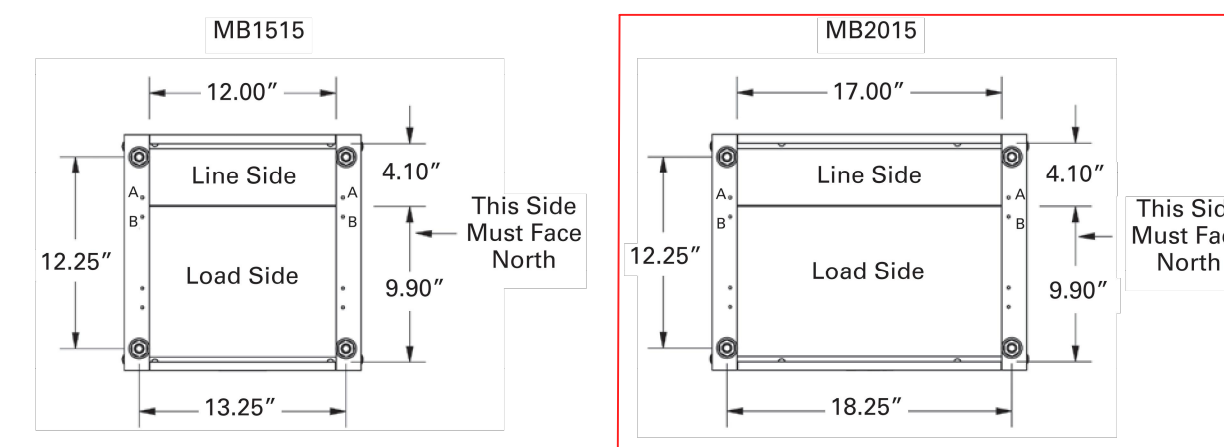
Cat. No. MB1515 - Suitable for 15" wide x 15" deep pedestals.

Cat. No. MB2015 - Suitable for 20" wide x 15" deep pedestals.

Install mounting base assembly flush with top surface of concrete pad, allowing mounting studs to reach above pad. Locate line and load conduits in the designated areas as shown on drawings below. Note: Barrier position 'B' for legacy B-Line series CMP alignment.

Caution:

Pedestals with photo-electric controls - right hand side must be facing to the North. (See drawings below)



Method 2. Use anchor bolts (5/8" dia.) pre-cast in concrete pad. Mounting hole dimensions are shown above for MB1515 (15" x 15") and MB2015 (20" x 15") pedestals. Locate line and load conduits the same as in Method 1.

Data subject to change without notice. Consult local utility for area acceptance. All dimensions are in inches.

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com



© 2018 Eaton
All Rights Reserved
Printed in USA
Publication No. IL307018EN
April 2018

Eaton is a registered trademark.
All other trademarks are property
of their respective owners.



Customization options

Common items



Switching

- Hand-Off-Auto
- Test switch



Photo Cells

- Installed in window
- Remote mount



Timer Clocks

- 24 hour mechanical
- 7 day programmable



Contactors

- 30A per pole standard
- Up to 200A options available

Customization Form

Frame:

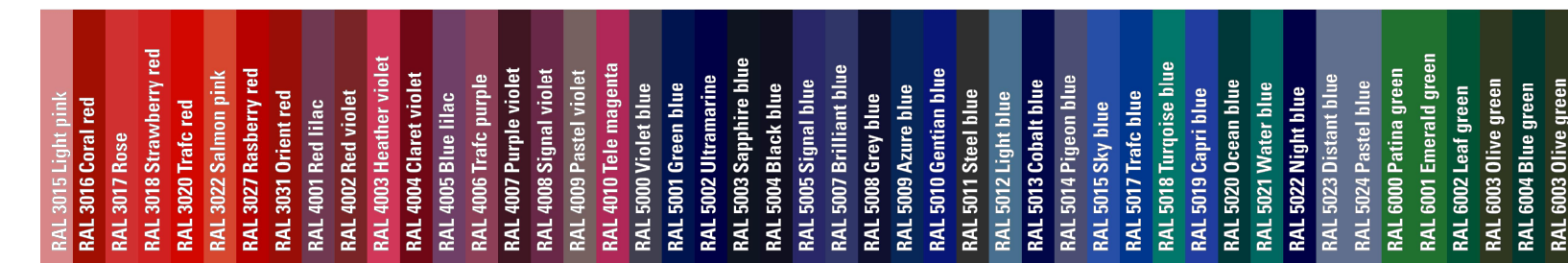
Type	<input checked="" type="checkbox"/> Pad Mount Yes	<input type="checkbox"/> Wall Mount n/a	<input type="checkbox"/> Pad Mount, Unmetered*
Width	<input type="checkbox"/> 15" n/a	<input checked="" type="checkbox"/> 20" Yes	<input type="checkbox"/> 24" n/a
Service	<input type="checkbox"/> Single Phase n/a	<input checked="" type="checkbox"/> Three Phase Yes	
Bypass	<input checked="" type="checkbox"/> Safety Socket Yes	<input type="checkbox"/> Lever n/a	<input type="checkbox"/> MCC (10, 320A) n/a
Material	<input checked="" type="checkbox"/> Painted Galv. Yes	<input type="checkbox"/> Aluminum n/a	<input type="checkbox"/> 304 SS n/a
Paint Color	<input checked="" type="checkbox"/> ANSI 61 Grey Yes	<input type="checkbox"/> Other RAL Number n/a	<input type="checkbox"/> 316 SS n/a
Distribution:			
Main Fuse Pull-Out	Voltage: 208Y/120V, 3P, 4W	Amperage: 200A	<input type="checkbox"/> SCCR: 10k n/a
			<input type="checkbox"/> SCCR: Other n/a

Note:

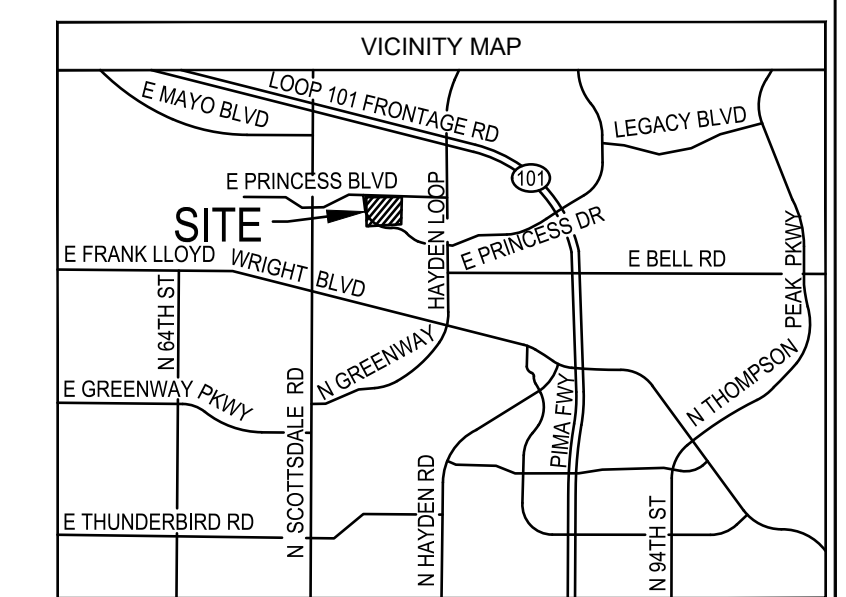
Bypass Safety Socket shall be EUSERC 311

* Denotes 5 day factory lead time

** Please provide panel schedule if branch breakers are to be factory populated



R1.2 REFERENCE DRAWING



T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03
CONTACT: JASON PAQUETTE
PHONE: 619-518-1101 PGR/MOBILE:
INSPECTOR: JEFF TURNER
PHONE: 928-581-9754 PGR/MOBILE:

NO.	DATE	DESCRIPTION	BY
TAKE CHARGE [26.62KW, 208V 3-PHASE] FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING 			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	R1.2

STAMP LOCATION

EXPIRES: 9-30-2022

1

NO SCALE

200A (208Y/120V) EATON COMMERCIAL METER PEDESTAL (CMP4421MC-1)
SEE CUSTOMIZATION FORM ON THIS SHEET

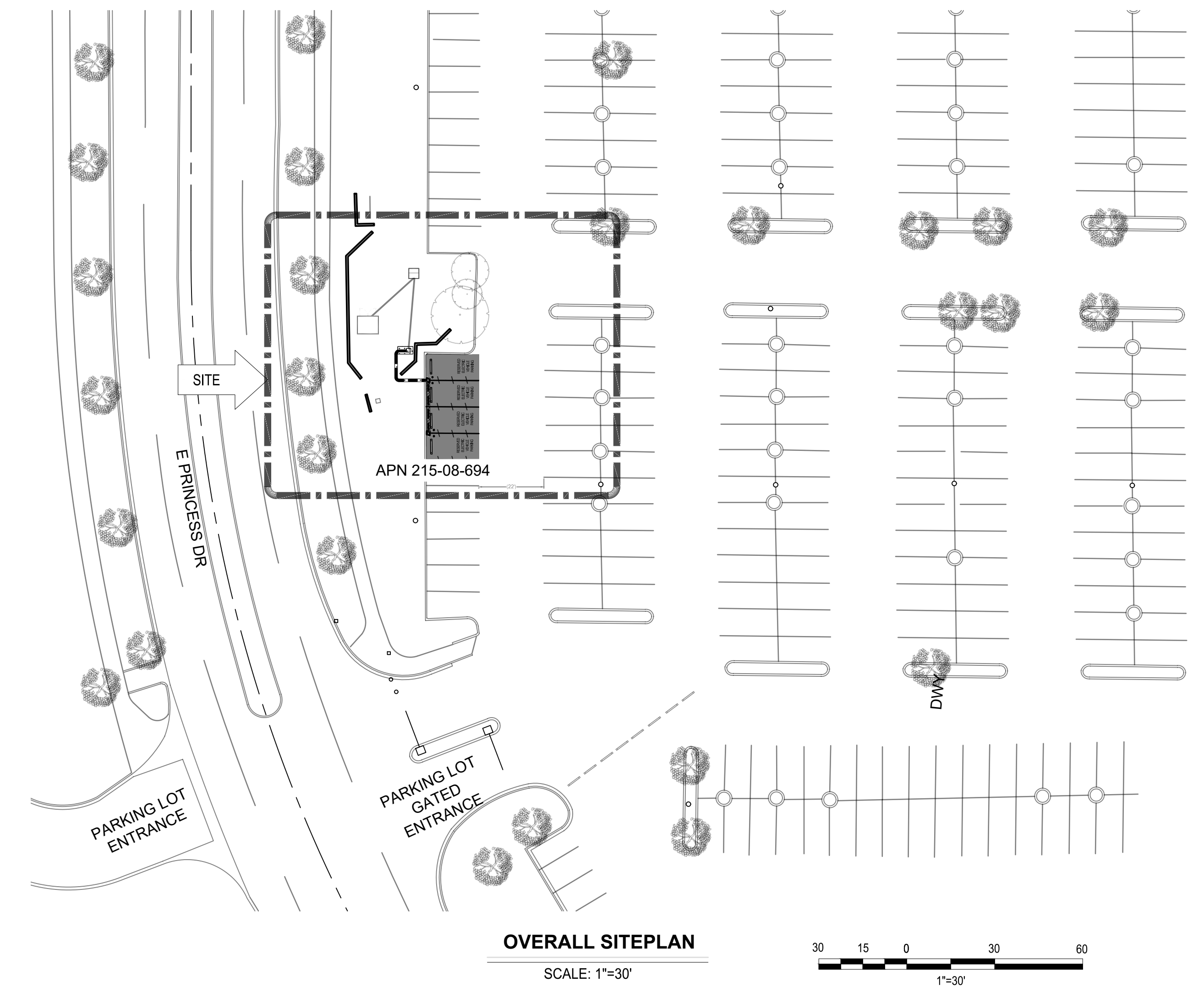
2

NO SCALE

METER PEDESTAL CUSTOMIZATION FORM

APS PROJECT 165552
 FAIRMONT SCOTTSDALE PRINCESS
 INSTALLATION OF 26.62KVA ELECTRIC VEHICLE LEVEL 2 CHARGING EQUIPMENT
 7575 E PRINCESS DR
 SCOTTSDALE, AZ 85255

ABBREVIATIONS		ABBREVIATIONS CONT	
1P	ONE POLE (2,3,4 APPLICABLE)	MCB	MAIN CIRCUIT BREAKER
A	AMPERE	MH	MANHOLE
AB	AGGREGATE BASE	MLO	MAIN LUG ONLY
AC	ALTERNATING CURRENT	MVA	MEGA VOLT AMPERE
AC	ASPHALT CONCRETE	N	NEUTRAL
AIC	AVAILABLE INTERRUPTING CAPACITY	N	NORTH
AT	AMPERE TRIP (RATING)	NEC	NATIONAL ELECTRICAL CODE
ATS	AUTOMATIC TRANSFER SWITCH	NTS	NOT TO SCALE
AWG	AMERICAN WIRE GAUGE	OC	ON CENTER
BB	BOTTOM OF BASIN	OH	OVERHEAD
BC	BACK OF CURB	PB	PULLBOX
BIL	BASIC IMPULSE LEVEL	PCC	PORTLAND CEMENT CONCRETE
C	CONDUIT	PL	PROPERTY LINE
CF	CURB FACE	PT	POTENTIAL TRANSFORMER
CL	CENTERLINE	PVC	POLYVINYL CHLORIDE (FOR CONDUIT)
CMIL	CIRCULAR MIL	R	RELAY
CT	CURRENT TRANSFORMER	R	RADIUS
DC	DIRECT CURRENT	R/W	RIGHT-OF-WAY
E	EAST	RGS	RIGID STEEL CONDUIT
EGC	EQUIPMENT GROUNDING CONDUCTOR	RL	RIDGE LINE
E'LY	EASTERLY	S	SHORT TIME TRIP
EMT	ELECTRICAL METALLIC TUBING	S	SEWER OR SOUTH
EP	EDGE OF PAVEMENT	SCCR	SHORT-CIRCUIT CURRENT RATING
EPR	ETHYLENE PROPYLENE RUBBER	SCH	SCHEDULE (FOR CONDUIT)
EVCS	ELECTRIC VEHICLE CHARGING STATION	SES	SERVICE ENTRANCE SECTION
EX.	EXISTING	SLD	SINGLE LINE DIAGRAM
FBO	FURNISHED BY OTHERS	SPD	SURGE PROTECTIVE DEVICE
FF	FINISHED FLOOR	SSBJ	SUPPLY SIDE BONDING JUMPER
FG	FINISHED GRADE	STD	STANDARD
FL	FLOW LINE	SW	SWITCH
FLA	FULL LOAD AMPS	SWGR	SWITCHGEAR
FO	FIBER OPTIC	TB	TOP OF BASIN
FS	FINISHED SURFACE	TC	TOP OF CURB
FT	FEET	TG	TOP OF GRATE
FWE	FURNISHED WITH EQUIPMENT	TYP	TYPICAL
G	GROUND FAULT TRIP	UG	UNDERGROUND
G, GND	GROUND	V	VOLT
GB	GRADE BREAK	W	WATER OR WEST
GEC	GROUNDING ELECTRODE CONDUCTOR	W'LY	WESTERLY
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	XXX.XX	PROPOSED ELEVATION
HI PT	HIGH POINT	(XXX.XX)	EXISTING ELEVATION
I	INSTANTANEOUS		
IE	INVERT ELEVATION		
IMC	INTERMEDIATE METAL CONDUIT		
INV	INVERT		
ISC	INTERRUPTING SHORT CIRCUIT		
KV	KILO VOLT		
KVA	KILOVOLTAMPERE		
KW	KILO WATTS		
KWH	KILOWATTHOUR		
L	LONG TIME TRIP		
LB	POUND		
L-G	LINE TO GROUND VOLTAGE		
L-L	LINE TO LINE VOLTAGE		
L-N	LINE TO NEUTRAL VOLTAGE		
LSIG	ELECTRONIC TRIP DEVICE		
M	METER		
MBJ	MAIN BONDING JUMPER		



PROJECT DESCRIPTION

- INSTALL (4) LEVEL 2 CHARGING PORTS
- INSTALL (1) 200A, (208Y/120V), 3-PHASE SES

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- LOCAL CODES
 2018 INTERNATIONAL BUILDING CODE
 2020 NATIONAL ELECTRICAL CODE

IN THE EVENT OF CONFLICT, THE MOST RECENT OR RESTRICTIVE CODE SHALL PREVAIL

SITE INFORMATION

EV SITE ADDRESS:
 7575 E PRINCESS DR
 SCOTTSDALE, AZ 85255

PROPERTY OWNER:
 FMT SCOTTSDALE OWNER LLC
 19200 VON KARMAN AVE STE 1000
 IRVINE, CA 92612

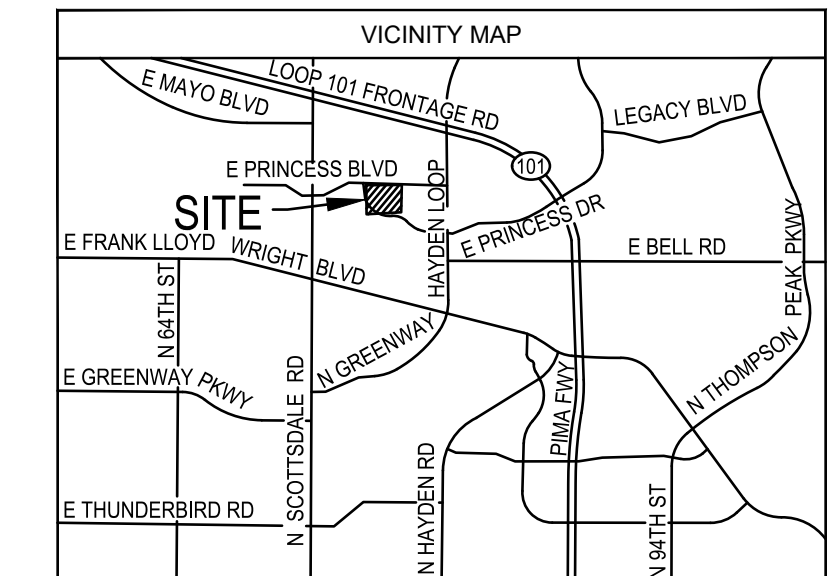


ELECTRICAL
 HENRY PEREZ
 PE # 69617
 C2 GROUP

APS PROJECT MANAGER
 JOE BRYANT
 907-414-7079 PHONE
 PROJECT MANAGER
 CUSTOMER TO GRID SOLUTIONS

CONTRACTOR
 HARMON ELECTRIC, INC.
 MICHAEL TOOMB
 (623) 879-0010

T1.0 TITLE SHEET



T 04 N	R 04 E	Sec 35	SW 1/4	MAP# 1104-03
CONTACT: JASON PAQUETTE				
PHONE: 619-518-1101 PGR/MOBILE:				
INSPECTOR: JEFF TURNER				
PHONE: 928-581-9754 PGR/MOBILE:				

NO.	DATE	DESCRIPTION	BY
TAKE CHARGE (26.62KW, 208V 3-PHASE) FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	T1.0



SHEET INDEX

- T1.0 TITLE SHEET
- T2.0 NOTE SHEET
- C1.0 ENLARGED SITE PLAN & DEMOLITION PLAN
- C2.0 DETAILS SHEET
- C2.1 DETAILS SHEET
- E1.0 ELECTRICAL SITE PLAN
- E2.0 SINGLE LINE DIAGRAM, PANEL SCHEDULE
- E3.0 ELECTRICAL DETAILS
- R1.0 REFERENCE DRAWING
- R1.1 REFERENCE DRAWING

CONTRACTOR NOTE

CONTRACTOR SHALL COMPLETE INSTALL PER THE SIGNED AND THE SEALED SET OF DRAWINGS. ANY NECESSARY DEVIATIONS FROM THE DRAWINGS MUST BE SUBMITTED THROUGH AN RFI REQUEST PROCESS WITH ENGINEERING FOR AN APPROVAL PRIOR TO CONTRACTOR PROCEEDING WITH A DEVIATION OF THE SIGNED AND SEALED SET OF DRAWINGS.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.



**TAKE CHARGE
FAIRMONT SCOTTSDALE PRINCESS
7575 E PRINCESS DR
WA622585**

GENERAL CONSTRUCTION NOTES

1. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE NEW, FREE OF DEFECTS AND IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
2. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
3. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
4. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
6. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
8. THE GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
9. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
10. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
11. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
12. THE GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.
13. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
14. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
15. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. THE CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
16. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
17. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
18. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
19. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
20. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
21. THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT. SERIAL NUMBER SHALL BE INCLUDED FOR SPONSOR SITES.
22. THE CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
23. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
24. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
25. WHERE TUNNELING IS USED UNDER EXISTING PCC OR EXISTING CURB, AREA UNDER MUST BE BACKFILLED WITH FLOWABLE SLURRY TO OBTAIN 100% COMPACTION TO PREVENT CRACKING OF PCC.
26. CURB REMOVAL TO NEAREST JOINT AND MIN. 5FT AND NEW JOINT SHOULD NOT BE CLOSER THAN 5FT AWAY.
27. A/C REPLACEMENT 1-INCH OVER EXISTING, MATCH EXISTING AGGREGATE SIZE, SEAL TO MATCH EXISTING FINISH WHERE APPLICABLE.

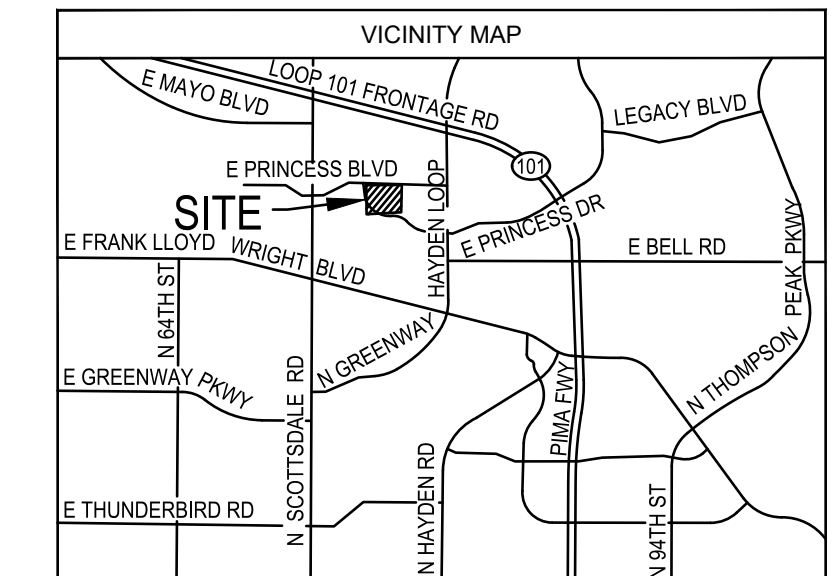
ELECTRICAL NOTES

28. **CODES & REQUIREMENTS**
 - 28.1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND AMENDMENTS AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
 - 28.2. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE GENERAL SUPPLEMENTAL CONDITIONS OF THE PROJECT SPECIFICATIONS.
 - 28.3. ALL ELECTRICAL CONDUIT, DEVICES AND EQUIPMENT ARE SHOWN DIAGRAMMATICALLY. DO NOT SCALE PRECISE DETAILS FROM THE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATIONS WITH OWNER PRIOR TO ANY ROUGH IN.
29. **EQUIPMENT**
 - 29.1. ALL EQUIPMENT SHALL BE NEW EXCEPT AS OTHERWISE NOTED ON THE DRAWINGS. ALL EQUIPMENT PROVIDED SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY, NRTL, LISTED FOR THE TYPE OF EQUIPMENT BEING FURNISHED AND SHALL BE ACCEPTABLE FOR INSTALLATION BY THE LOCAL BUILDING SAFETY AND FIRE DEPARTMENT AUTHORITIES.
30. **CONDUIT**
 - 30.1. ALL CONDUCTORS SHALL BE ENCLOSED BY CONDUIT SIZED IN ACCORDANCE WITH THE PROPER TABLES CONTAINED IN THE NATIONAL ELECTRICAL CODE FOR THE INSULATION USED.
 - 30.2. ELECTRIC METAL TUBING (EMT) SHALL BE USED FOR ALL DRY AND WET LOCATIONS, ABOVE GRADE OR ABOVE FLOOR APPLICATIONS IN ACCORDANCE WITH ARTICLE 358 OF THE NEC. COUPLINGS AND CONNECTORS SHALL BE COMPRESSION-TYPE, STEEL, WATERTIGHT FITTINGS. PROVIDE GROUND CONDUCTOR FOR EVERY RUN OF EMT CONDUIT.
 - 30.3. FLEXIBLE METAL CONDUIT SHALL BE UTILIZED FOR ALL CONNECTIONS TO VIBRATING EQUIPMENT SUCH AS MOTORS AND TRANSFORMERS (MIN. 2'-0", MAX. 6'-0").
 - 30.4. ALL EXPOSED CONDUIT SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO THE BUILDING WALLS. SUPPORT CONDUIT PER NEC.
 - 30.5. PROVIDE EXPANSION FITTINGS FOR ALL CONDUIT(S) THAT CROSS EXPANSION JOINTS.
31. **CONDUCTORS**
 - 31.1. CONDUCTOR INSULATION SHALL BE OF A TYPE RECOGNIZED BY THE NEC AND AS APPROVED FOR ITS PARTICULAR APPLICATION OR AS REQUIRED BY THE LOCAL BUILDING SAFETY AUTHORITIES WHICHEVER IS MORE STRINGENT.
 - 31.2. ALL WIRING THROUGHOUT SHALL BE COLOR CODED AS FOLLOWS:

480V SYSTEM	208V/240V SYSTEM	
A PHASE	BROWN	BLACK
B PHASE	ORANGE	RED
C PHASE	YELLOW	BLUE
NEUTRAL	GREY	WHITE
GROUND	GREEN	GREEN
ISOLATED GROUND	_____	GREEN W/ YELLOW STRIPE
 - 31.3. THERE SHALL BE NO SPLICING OF CONDUCTOR.
32. **FEEDERS & BRANCH CIRCUITS**
 - 32.1. RISER DIAGRAMS, ONE-LINE DIAGRAMS AND CIRCUIT RUNS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF FEEDERS AND BRANCH CIRCUITS SO AS TO BEST FIT THE LAYOUT OF THE JOB.
 - 32.2. CIRCUITS MAY BE ARRANGED IN 3-WIRE FEEDS (2 HOT AND A COMMON NEUTRAL) IN COLOR CODE AS NOTED IN SECTION 31.2; AND EACH CIRCUIT IS PROTECTED BY AN OVER CURRENT PROTECTION DEVICE (OCPD) PER NEC. MORE THAN 3 CIRCUITS IN A CONDUIT BY SPECIFIC APPROVAL OR WHERE SHOWN IN DRAWINGS.
33. **GROUNDING**
 - 33.1. FURNISH AND INSTALL GROUNDING AND GROUNDING CONDUCTORS AS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS.
 - 33.2. ALL PANELBOARD CABINETS, EQUIPMENT, ENCLOSURES, AND CONDUIT SYSTEMS SHALL BE GROUNDED SECURELY IN ACCORDANCE WITH PERTINENT SECTIONS OF ARTICLE 250 OF THE NEC, AS AMENDED BY ANY LOCAL CODES. CONDUCTORS SHALL BE COPPER. ALL ELECTRICALLY OPERATED EQUIPMENT SHALL BE BONDED TO THE GROUNDED CONDUIT SYSTEM. ALL NON-CURRENT CARRYING CONDUIT SURFACES THAT ARE LIKELY TO BECOME ENERGIZED AND SUBJECT TO CONTACT BY A PERSON SHALL BE GROUNDED BY ONE OR MORE OF THE METHODS DETAILED IN ARTICLE 250 OF THE NEC. ALL GROUND CONNECTIONS SHALL HAVE CLEAN CONTACT SURFACES. INSTALL ALL GROUNDING CONDUCTORS IN CONDUIT AND MAKE CONNECTIONS READILY ACCESSIBLE FOR INSPECTION. FURNISH AND INSTALL GROUNDING ELECTRODES AS DESCRIBED ON THE DRAWINGS.
 - 33.3. GROUNDING OF METAL RACEWAYS SHALL BE ASSURED BY MEANS OF GROUNDING BUSHING ON FEEDER CONDUIT TERMINATIONS AT THE SERVICE ENTRANCE, DISTRIBUTION SWITCHBOARDS AND PANELBOARDS, AND BY MEANS OF A CONTINUOUS, STRANDED, COPPER GROUNDING WIRE EXTENDED FROM THE GROUND BUS IN THE ENCLOSURE TO THE CONDUIT GROUNDING BUSHINGS.
34. **PANELBOARDS**
 - 34.1. FURNISH AND INSTALL BRANCH CIRCUIT PANELBOARDS AS SPECIFIED HEREIN AND AS INDICATED ON THE DRAWINGS.
 - 34.2. PANELBOARDS SHALL BE EQUIPPED WITH FULL NEUTRAL AND GROUND BUSES, SEPARATE ISOLATED GROUND BUSES SHALL BE PROVIDED FOR ISOLATED GROUND PANELBOARDS.
 - 34.3. PROVIDE NEMA TYPE PANELBOARDS AS INDICATED ON DRAWINGS.
 - 34.4. MINIMUM INTERRUPTING RATING OF CIRCUIT BREAKERS SHALL BE AS INDICATED ON DRAWINGS AND FAULT CALCULATIONS.
 - 34.5. ACCEPTABLE MANUFACTURERS ARE GENERAL ELECTRIC, WESTINGHOUSE/CUTLER HAMMER, EATON, SIEMENS OR SQUARE-D. CONTRACTOR SHALL PROVIDE MATCHING MANUFACTURERS OF EXISTING EQUIPMENT WHEN APPLICABLE.
35. **LABELING**
 - 35.1. LABEL EQUIPMENT WITH NAME, AMPERAGE, VOLTAGE, PHASE AND WIRES (I.E. PANEL "A", 400A, 120/208V, 3Ø, 4W)
 - 35.2. ALL JUNCTION BOXES SHALL BE LABELED WITH CIRCUITS INSTALLED (I.E. LB1 - 1,3,5) WITH INDELIBLE BLACK INK ON THE BOX COVER.
 - 35.3. PROVIDE ARC FLASH SIGNAGE ON ALL ELECTRICAL EQUIPMENT PER NEC 110.16.
 - 35.4. LABEL BREAKERS WITH CORRESPONDING CIRCUITS.
36. **DRAWINGS OF RECORD (AS-BUILT)**
 - 36.1. AS-BUILT DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH APS ELECTRIC DISTRIBUTION REQUIREMENTS TO PROJECT CONTACT FROM APS CUSTOMER GRID SOLUTIONS DEPARTMENT.
37. **AVAILABLE FAULT CURRENT**
 - 37.1. PER NEC 110.24, FIELD MARKING. SERVICE EQUIPMENT AT OTHER THAN DWELLING UNITS SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. THE CALCULATION SHALL BE DOCUMENTED AND MADE AVAILABLE TO THOSE AUTHORIZED TO DESIGN, INSTALL, INSPECT, MAINTAIN, OR OPERATE THE SYSTEM. SEE ALSO NEC 408.6 AND NEC 110.21(B)(3).



T2.0 NOTE SHEET



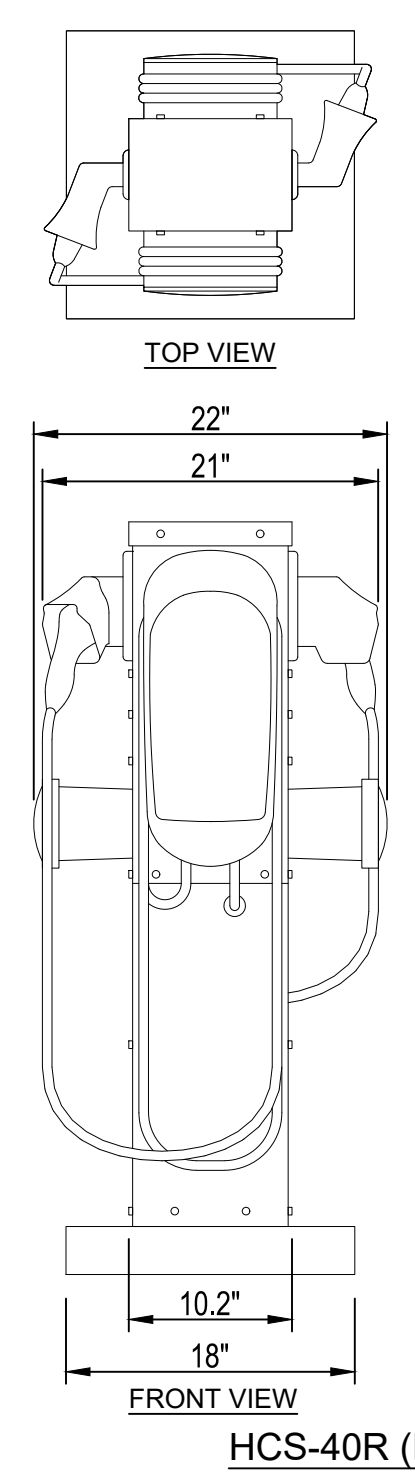
T	04	N	R	04	E	Sec	35	SW	1/4	MAP#	1104-03
CONTACT: JASON PAQUETTE											
PHONE: 619-518-1101 PGR/MOBILE:											
INSPECTOR: JEFF TURNER											
PHONE: 928-581-9754 PGR/MOBILE:											

NO.	DATE	DESCRIPTION	BY
TAKE CHARGE (26.62KW, 208V 3-PHASE) FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	T2.0

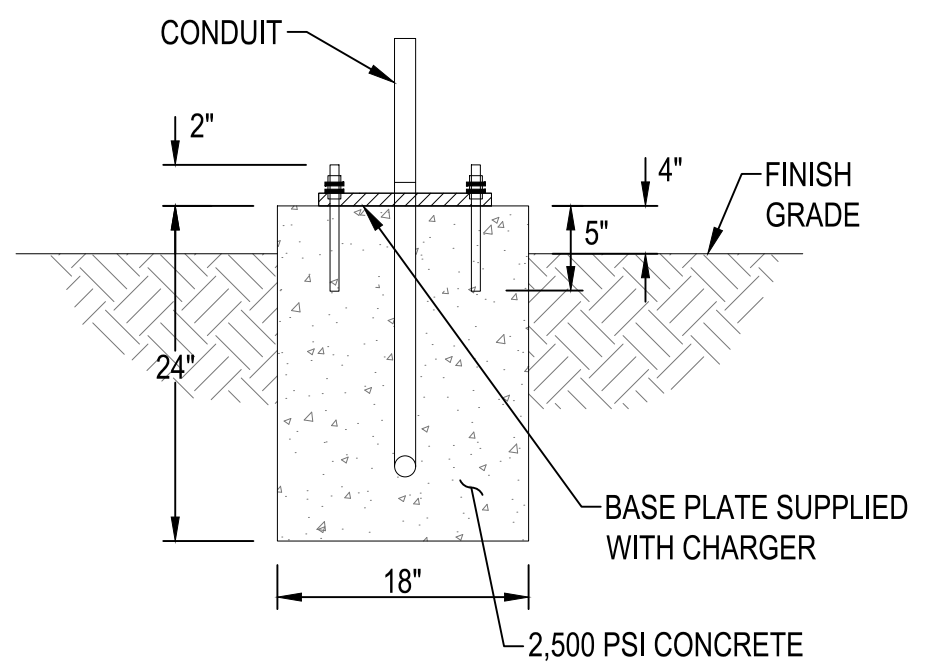
STAMP LOCATION

EXPIRES: 9-30-2022

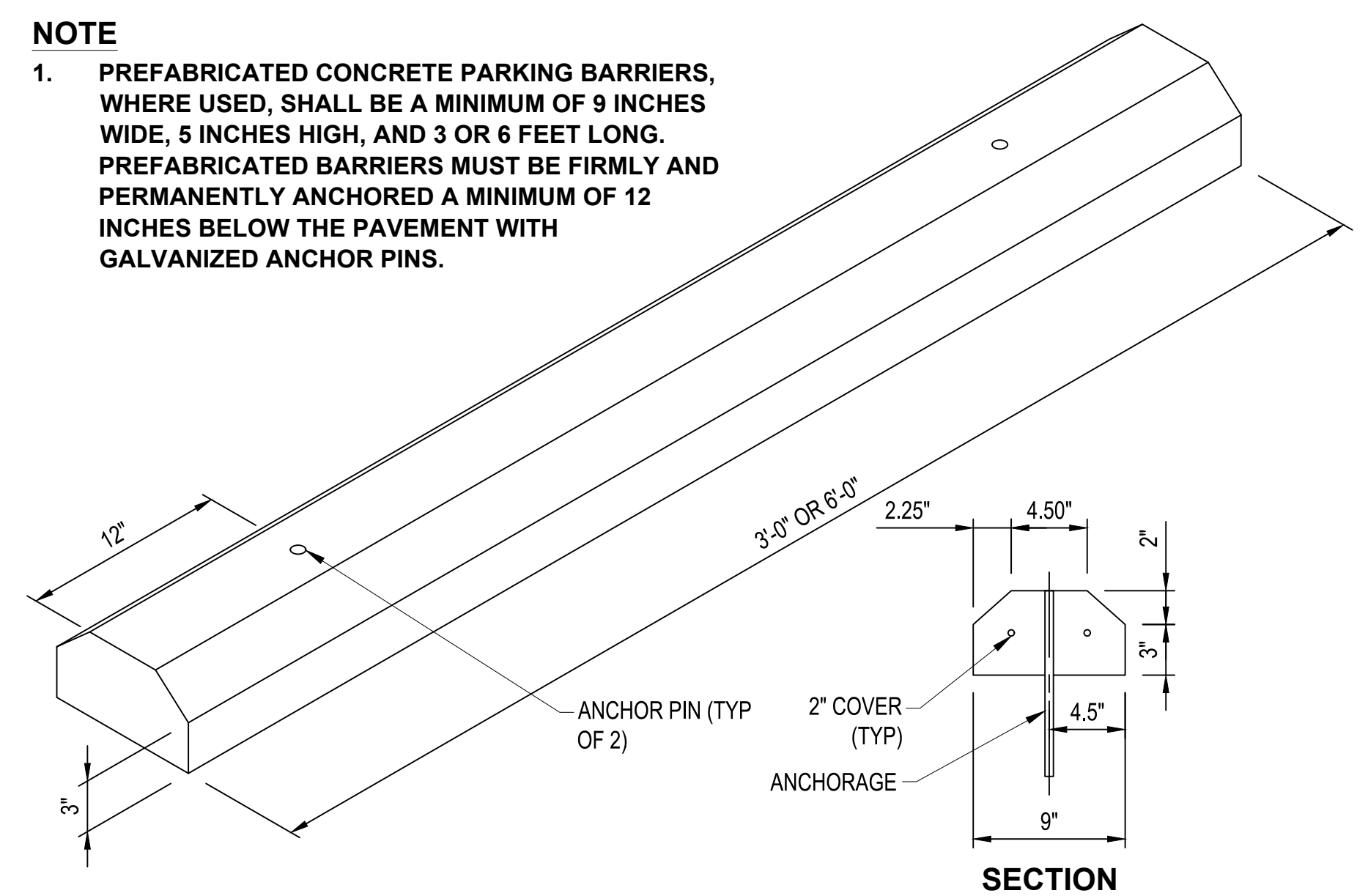
**TAKE CHARGE
FAIRMONT SCOTTSDALE PRINCESS
7575 E PRINCESS DR
WA622585**



1
DUAL PORT DISPENSER DETAIL (CLIPPER CREEK HCS-40R)
NO SCALE



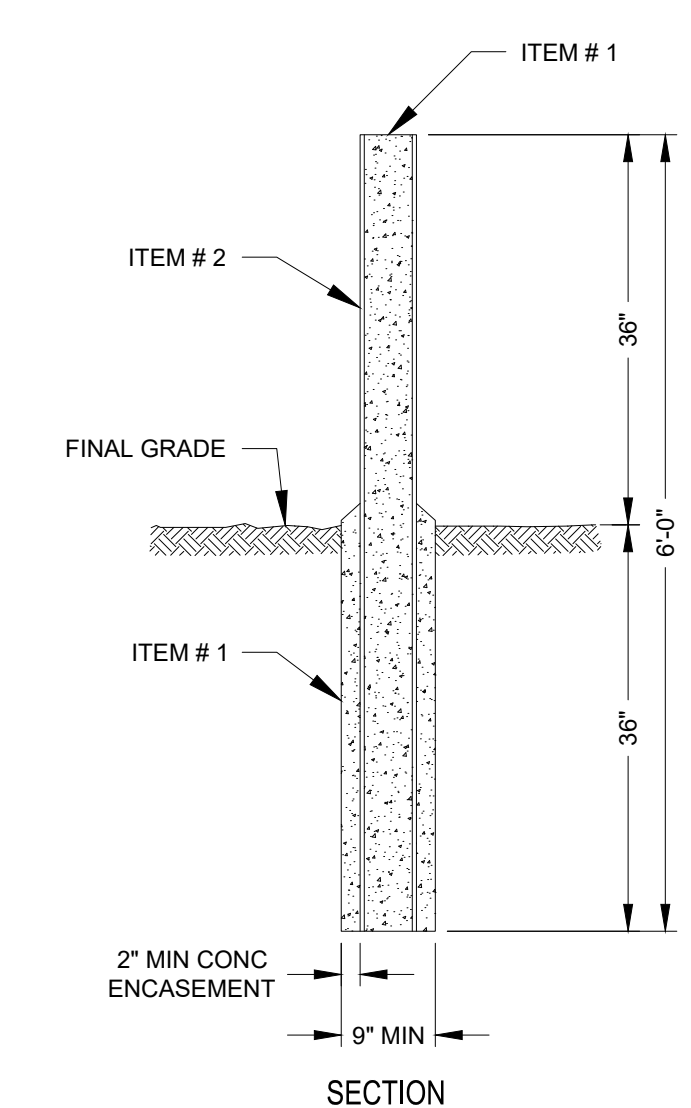
- FOUNDATION DETAILS**
- NOTES:
1. CONCRETE BLOCK MUST MEASURE AT LEAST 18" ON ALL SIDES.
 2. THE BOLT THREADS MUST EXTEND 2" ABOVE THE CONCRETE.
 3. THE CONDUIT MUST BE AT LEAST 1 1/2" IN DIAMETER AND EXTEND 12"-24" ABOVE THE CONCRETE. REFER TO THE CLIPPER CREEK INSTALLATION GUIDE FOR DETAILED INSTALLATION INSTRUCTIONS.
 4. FOUR HILTI 1/2" DIAMETER KB-TZ CARBON STEEL ANCHORS, 7" TO BE INSTALLED. CONTRACTOR TO SUBMIT DATA SHEETS AND REPORTS IF PROPOSING TO NOT USE THE PRODUCT.



NOTE

1. PREFABRICATED CONCRETE PARKING BARRIERS, WHERE USED, SHALL BE A MINIMUM OF 9 INCHES WIDE, 5 INCHES HIGH, AND 3 OR 6 FEET LONG. PREFABRICATED BARRIERS MUST BE FIRMLY AND PERMANENTLY ANCHORED A MINIMUM OF 12 INCHES BELOW THE PAVEMENT WITH GALVANIZED ANCHOR PINS.

2
TYPICAL PARKING BARRIER (WHEEL STOP) DETAIL
NO SCALE



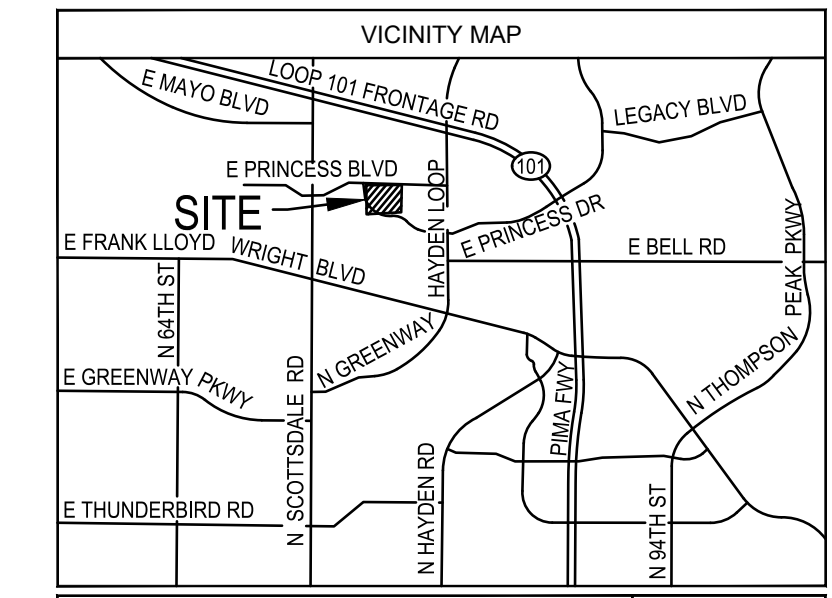
- NOTES:**
1. A 2-INCH MINIMUM CONCRETE ENCASEMENT IS REQUIRED AROUND THE BARRIER POST BELOW GRADE.
 2. USE ADDITIONAL BARRIER POSTS AS REQUIRED TO PREVENT TRAFFIC PENETRATION INTO AREA.
 3. A 36-INCH MINIMUM CLEARANCE IS REQUIRED FROM THE PAD TO THE OPTIONAL FRONT AND SIDE BARRIER POSTS FOR OPENING EQUIPMENT DOORS.
 4. CAUTION MUST BE TAKEN WHEN INSTALLING POSTS SO THAT POSTS DO NOT MAKE CONTACT WITH CONDUIT SYSTEM.
 5. PREMIX CONCRETE IS ONLY AVAILABLE IN 60 LB SACKS. WHEN 90 LB SACKS ARE WANTED, THEY MUST BE SPECIAL ORDERED.

CODE		2990	2995	MATERIAL LIST	
ITEM	QTY	QTY	DESCRIPTION	APN	
1	3	6	CONCRETE PRE-MIX 60#	71301280	
2	-	1	POST FIXED BARRIER	70006120	

3
FIXED BARRIER POST DETAIL
NO SCALE

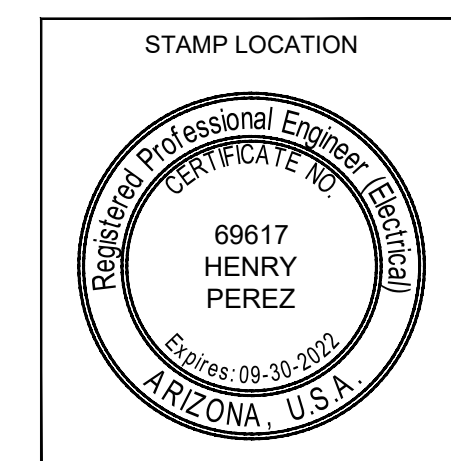


C2.0 DETAILS SHEET



T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03

CONTACT: JASON PAQUETTE
PHONE: 619-518-1101 PGR/MOBILE:
INSPECTOR: JEFF TURNER
PHONE: 928-581-9754 PGR/MOBILE:



STAMP LOCATION

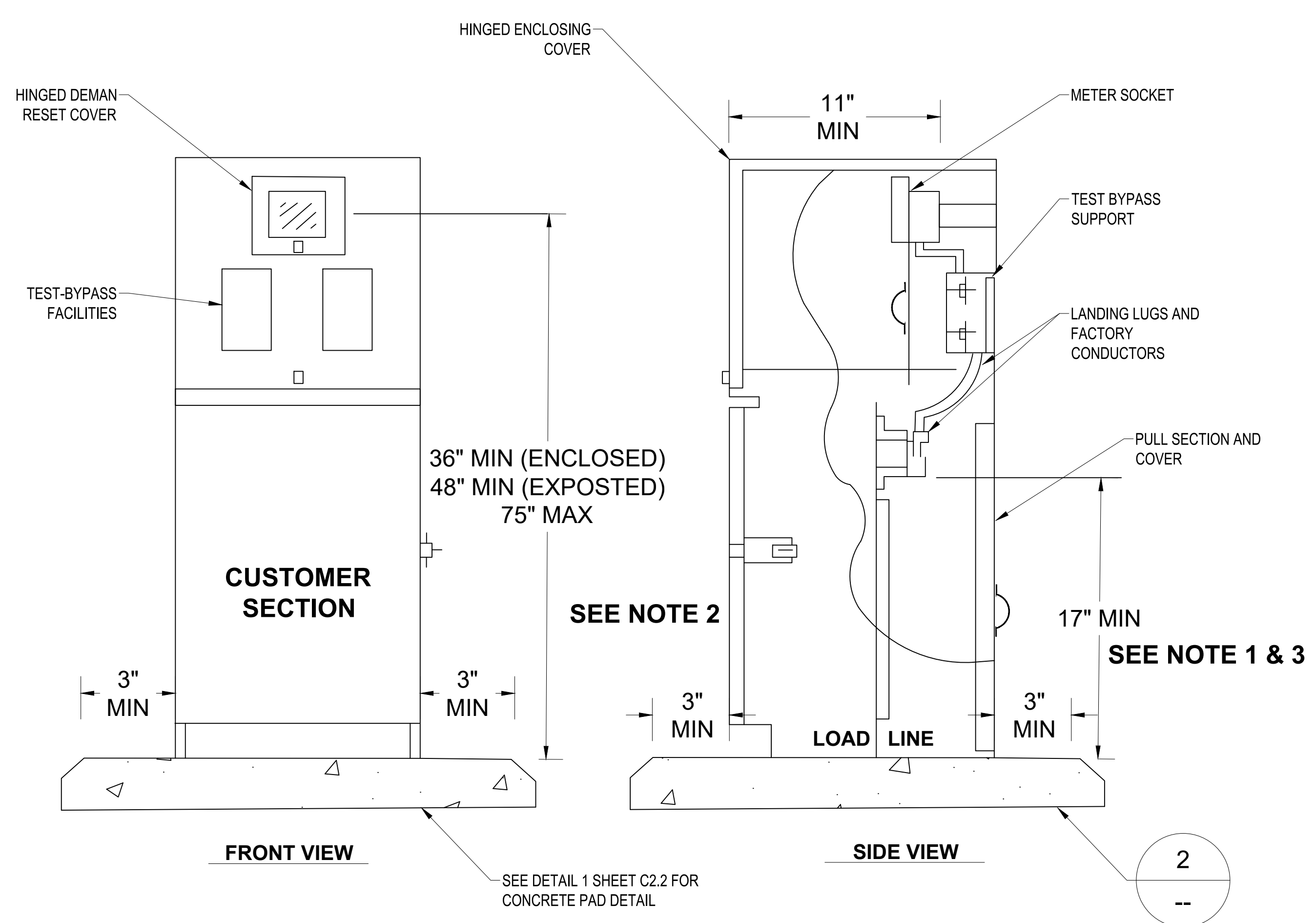
NO.	DATE	DESCRIPTION	BY

TAKE CHARGE [26.62KW, 208V 3-PHASE]
FAIRMONT SCOTTSDALE PRINCESS
7575 E PRINCESS DR, SCOTTSDALE, AZ 85255
FINAL ENGINEERING

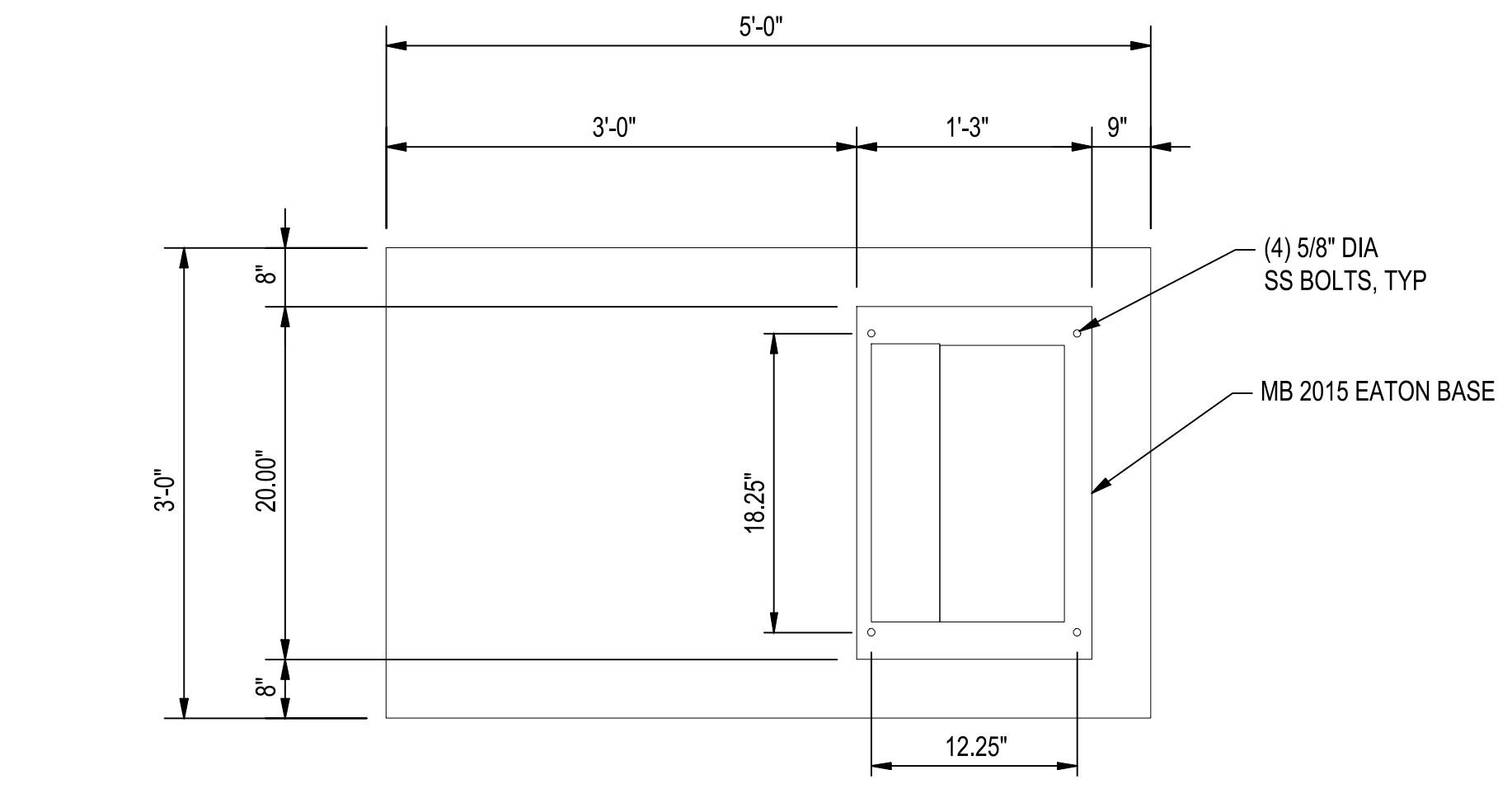
aps

WO#: WA622585 DATE: 8-13-2021
BY: TR-C2 SCALE: AS NOTED
APS DWG #: 165552 VENDOR #: C2.0

TAKE CHARGE
 FAIRMONT SCOTTSDALE PRINCESS
 7575 E PRINCESS DR
 WA622585

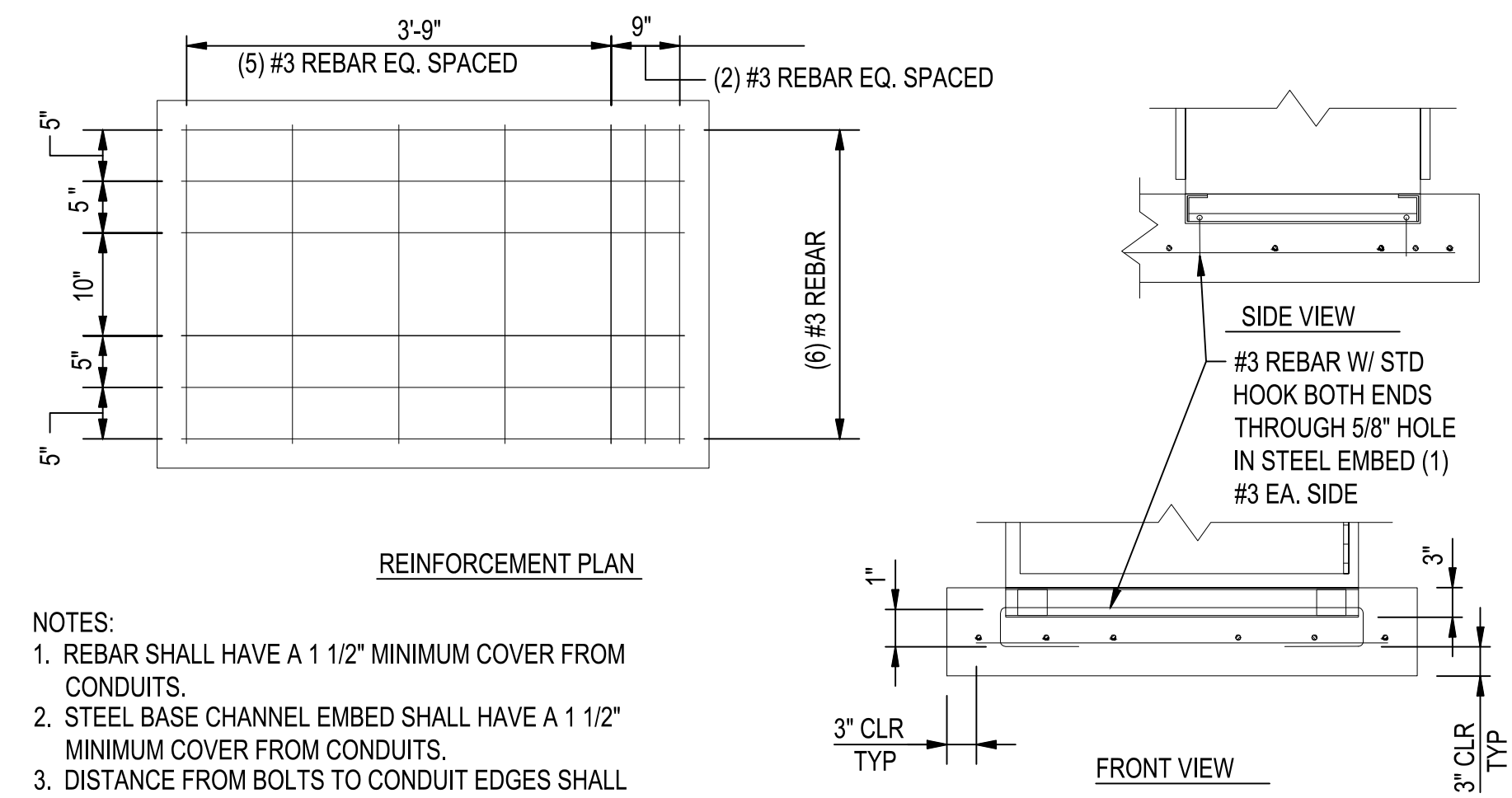


NOTE	PART NUMBER	DESCRIPTION	QTY.
1	3IN SCH40 CONDUIT	CONDUIT (XFMR TO METER)	1
2	CMP4421MCH-1	PAD MOUNT METER PEDESTAL	1
3	1.5IN CONDUIT	CONDUIT (DP TO CHARGER)	2



NOTE:
 CONDUITS SHALL BE CAST INTO THE FOUNDATION PER ELECTRICAL REQUIREMENTS METHOD:

- USE PRE-FABRICATED MOUNTING BRACE ASSEMBLY INSTALL MOUNTING BASE ASSEMBLY FLUSH WITH TOP SURFACE OF CONCRETE PAD, ALLOWING MOUNTING STUDS TO REACH ABOVE PAD. LOCATE LINE AND LOAD CONDUITS IN THE DESIGNATED AREAS AS SHOWN ON DRAWINGS BELOW.
- USE ANCHOR BOLTS (5/8\"/>



NOTES:

- REBAR SHALL HAVE A 1 1/2\"/>
- STEEL BASE CHANNEL EMBED SHALL HAVE A 1 1/2\"/>
- DISTANCE FROM BOLTS TO CONDUIT EDGES SHALL BE A MINIMUM OF 6\"/>

CONCRETE PAD DETAIL

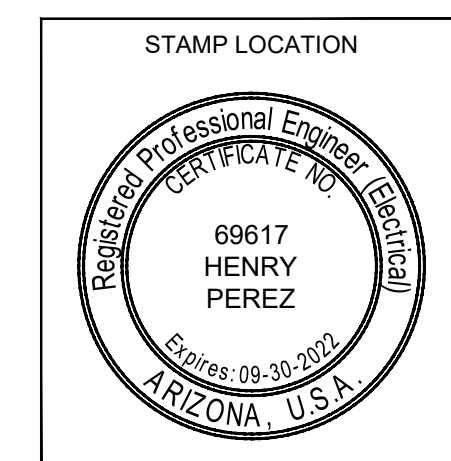


C2.1 DETAILS SHEET

VICINITY MAP

T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03

CONTACT: JASON PAQUETTE
 PHONE: 619-518-1101 PGR/MOBILE:
 INSPECTOR: JEFF TURNER
 PHONE: 928-581-9754 PGR/MOBILE:



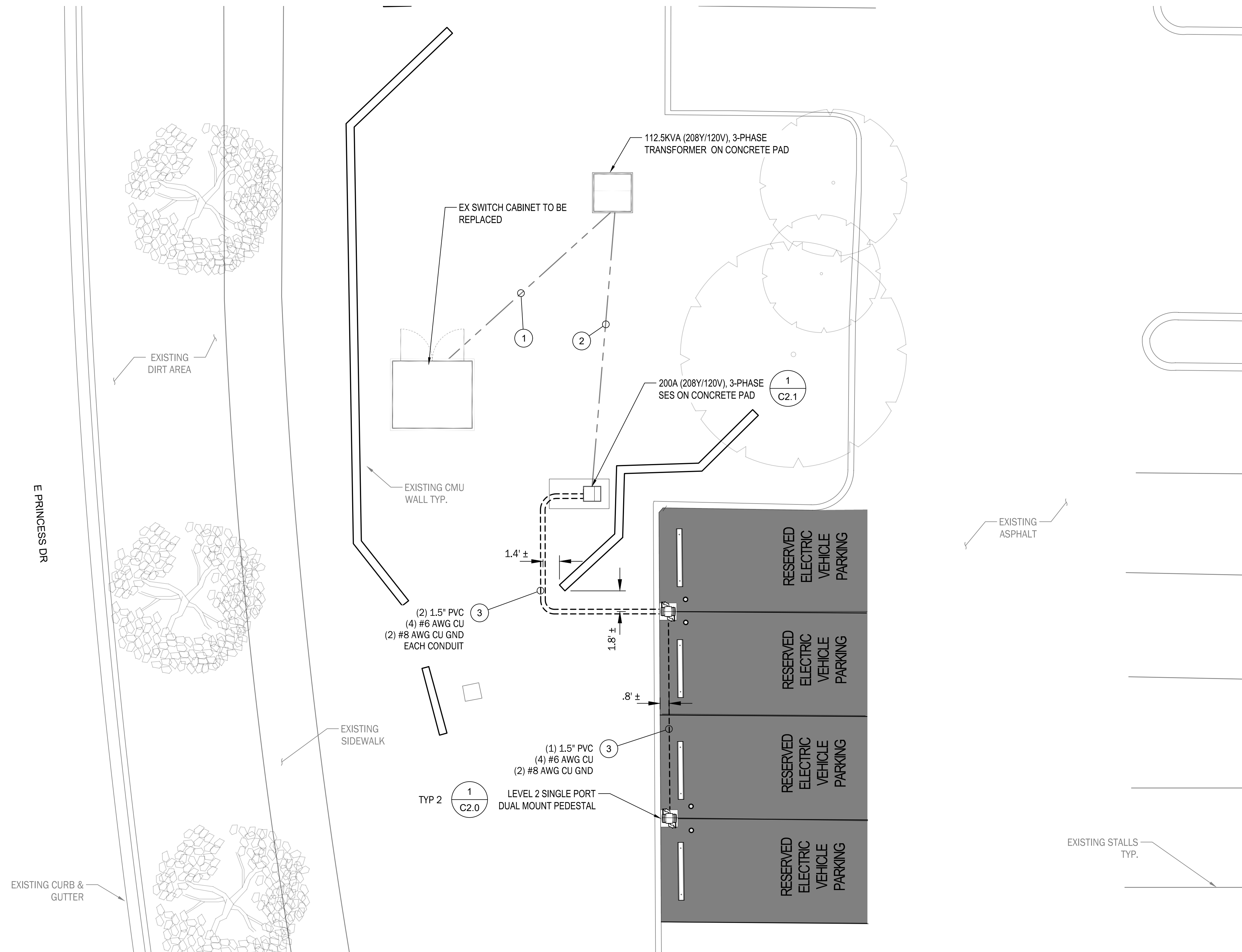
NO.	DATE	DESCRIPTION	BY
TAKE CHARGE [26.62KW, 208V 3-PHASE] FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	C2.1

EXPIRES: 9-30-2022

NOTES

- ALL UTILITY RELATED SCOPE OF WORK (TO THE POINT OF SERVICE) IS DETAILED IN THE APS UTILITY DESIGN DRAWING "WA622585"
1. CONDUIT ROUTING IS DIAGRAMMATICALLY SHOWN ON PLANS AND ARE ONLY APPROXIMATIONS. THE EXACT LOCATION AND ROUTING PATHS SHALL BE FIELD VERIFIED AND INSTALLED PER JURISDICTIONAL REQUIREMENTS.
 2. ALL EQUIPMENT, FEEDERS AND DEVICES PROVIDED UNDER THIS SCOPE OF WORK IS NEW AND SHOWN IN BOLD UNLESS OTHERWISE NOTED.
 3. PERFORM GROUND PENETRATING RADAR SURVEY PRIOR TO DIGGING.

**TAKE CHARGE
FAIRMONT SCOTTSDALE PRINCESS
7575 E PRINCESS DR
WA622585**



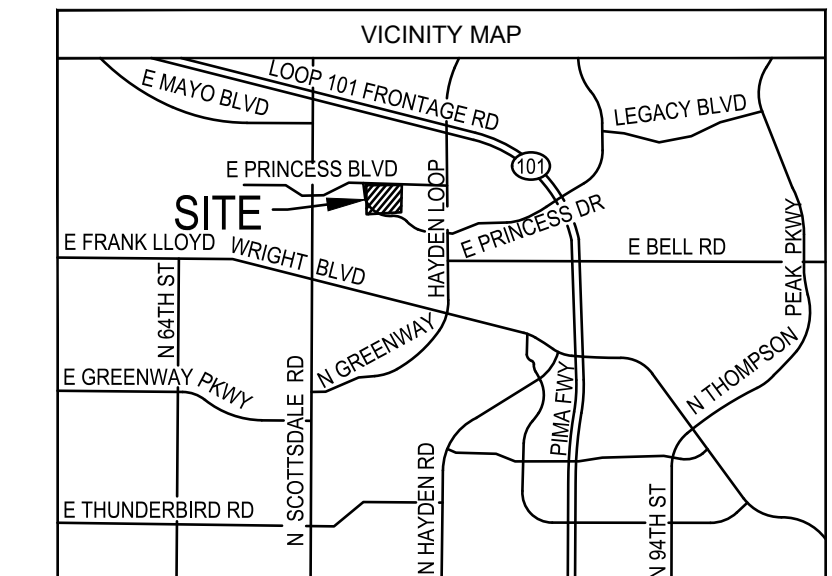
BRANCH CIRCUIT LENGTHS (FROM DISTRIBUTION PANEL TO EV CHARGERS)			
LEVEL 2 EV CHARGER	LENGTH (FT)	WIRE SIZE	CIRCUIT #
1	60	#6	1 & 3
2	60	#6	5 & 7
3	77	#6	2 & 4
4	77	#6	6 & 8

1. PROPOSED 4" UNDERGROUND ELECTRIC CONDUIT TO PROPOSED TRANSFORMER (T/M PER APS WO# WA622585).
2. PROPOSED 3" UNDERGROUND ELECTRIC CONDUIT FROM PROPOSED TRANSFORMER TO PROPOSED METER & DISTRIBUTION PANEL. (T/M PER APS WO# WA622585).
3. PROPOSED 1 1/2" PVC CONDUIT FROM 200A (280Y/120V) 3Ø DISTRIBUTION PANEL TO LEVEL 2 CHARGING STATIONS.

ELECTRICAL SITE PLAN

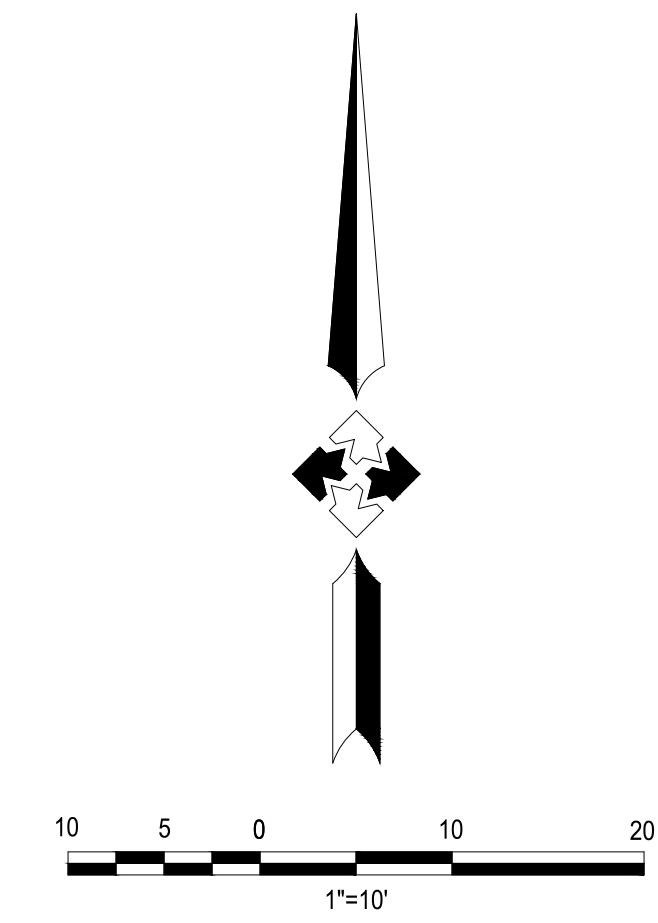


E1.0 ELECTRICAL SITE PLAN



T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03

CONTACT: JASON PAQUETTE
PHONE: 619-518-1101 PGR/MOBILE:
INSPECTOR: JEFF TURNER
PHONE: 928-581-9754 PGR/MOBILE:



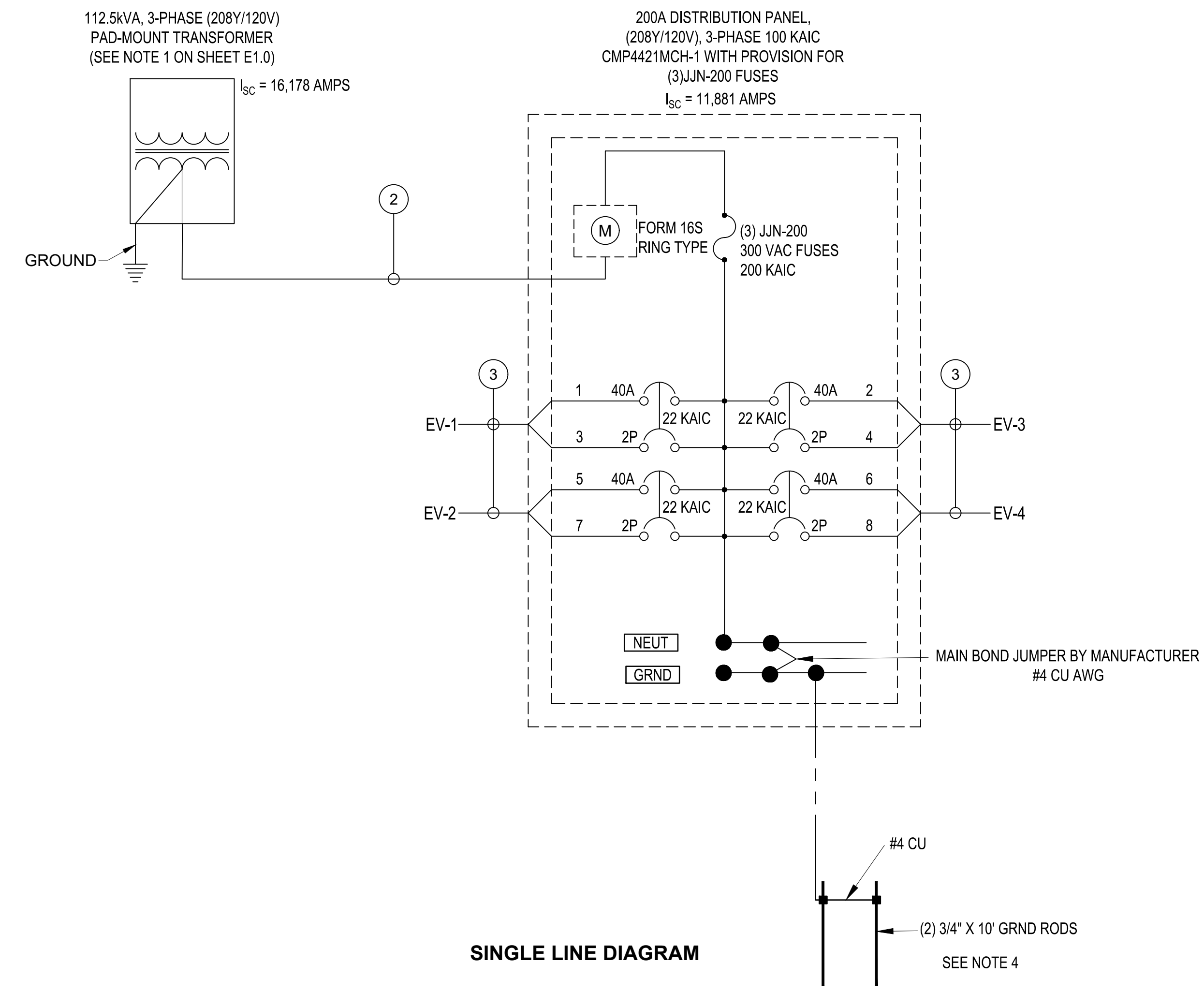
STAMP LOCATION

69617
HENRY PEREZ
Expires: 09-30-2022
ARIZONA, U.S.A.

NO.	DATE	DESCRIPTION	BY
TAKE CHARGE (26.62KW, 208V 3-PHASE) FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	E1.0

EXPIRES: 9-30-2022

**TAKE CHARGE
FAIRMONT SCOTTSDALE PRINCESS
7575 E PRINCESS DR
WA622585**



Panel: **EV**
 Voltage: **208Y/ 120V** Volts AC
 Bus Rating: **200** Amps per Phase
 Main Fuse JIN: **200** Amps
 Phase: **3** Wires: **4**
 Location: **WEST SIDE OF PARKING LOT**

Model Number: **EATON CMP4421MCH-1**
 Enclosure Type: **NEMA 3R**
 Mount: **Pedestal**
 Panel Status: **New**

CKT	Description	Trip	Load	Phase A (VA)	Phase B (VA)	Phase C (VA)	Load	Trip	Description	CKT
1	EV-1	40A	3,328	6,656			3,328	40A	EV-3	2
3		2P	3,328			6,656	3,328	2P		4
5	EV-2	40A	3,328			6,656	3,328	40A	EV-4	6
7		2P	3,328	6,656		3,328	2P	8		
9	Space	40A					40A		Space	10
11	Space	40A					2P		Space	12
				13,312	6,656	6,656	VA			

Total VA 39,936.00
Total KVA 49.92 (HIGHEST LEG X 3) WITH 125% DF
Total AMPS 138.56 ≤ 100% OF OCPD

PANEL SCHEDULE

<180'	180' - 290'	290' - 400'	400' >
(4) #6 AWG THWN-2 CU + (2) #8 AWG THWN-2 CU EGC IN 1 1/2" PVC CONDUIT	(4) #4 AWG THWN-2 CU + (2) #8 AWG THWN-2 CU EGC IN 1 1/2" PVC CONDUIT	(4) #3 AWG THWN-2 CU + (2) #8 AWG THWN-2 CU EGC IN 1 1/2" PVC CONDUIT	(4) #2 AWG THWN-2 CU + (2) #8 AWG THWN-2 CU EGC IN 1 1/2" PVC CONDUIT

* SEE NOTE 2

NOTES

- CONTRACTOR TO FIELD VERIFY MAIN FEED OVER CURRENT PROTECTION DEVICE SUPPORTING DISTRIBUTION PANEL IS APPROPRIATELY SIZED TO SUPPORT THE LOAD. CONTRACTOR SHALL CONTACT THE ENGINEERING TEAM IMMEDIATELY IF BREAKER IS FOUND TO BE INSUFFICIENT.
- CONDUCTOR LENGTHS ARE ESTIMATES ONLY. LENGTHS ARE BASED ON DIAGRAMMATICAL MEASUREMENTS AND APPROXIMATED BURIED DEPTHS. THE EXACT ROUTING PATH, CONDUCTOR RUN LENGTHS AND INSTALLATION SHALL BE DETERMINED BY THE CONTRACTOR IN THE FILED BASED ON EXISTING SITE CONDITIONS AND PHYSICAL MEASUREMENTS. CONTRACTOR TO ORDER CONDUCTOR BASED ON FIELD MEASUREMENTS.
- CHARGING UNITS ARE EQUIPPED WITH AN INTEGRATED CONTACTOR TO PREVENT BACK FEEDING OF POWER TO THE SOURCE.
- FOR ADDITIONAL GROUNDING INFORMATION, SEE GROUNDING DETAIL ON SHEET E3.0.
- SEE CUSTOMIZATION FORM ON SHEET R1.1 FOR ADDITIONAL REQUIREMENTS.
- INSTALL CLASS 16S METER SOCKET.

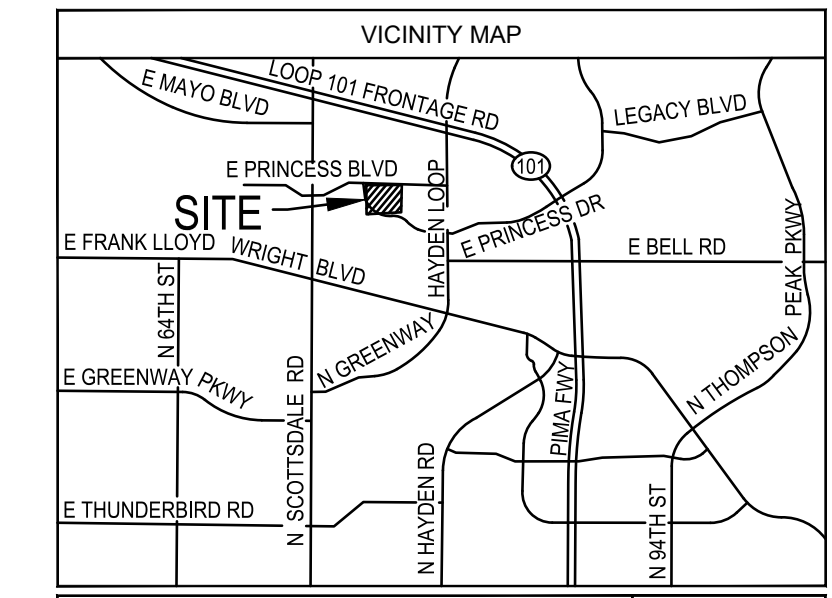
NO	FROM	TO	CONFIGURATION
①	UTILITY TRANSFORMER	AC PANELBOARD	SEE APS UTILITY DRAWINGS WO# WA622585
②	AC PANELBOARD	EV CHARGER	SEE TABLE B FOR VOLTAGE DROP CONSIDERATIONS DUE TO CONDUCTOR LENGTH

AC RUN MAXIMUM LENGTHS IS 400' INCLUDING BURIED DEPTH. ANY AC RUN LENGTHS BEYOND THIS MAXIMUM SHALL BE ADDRESSED WITH THE APPROPRIATE ENGINEERING TEAMS AS SOON AS THE SITUATION ARISES.

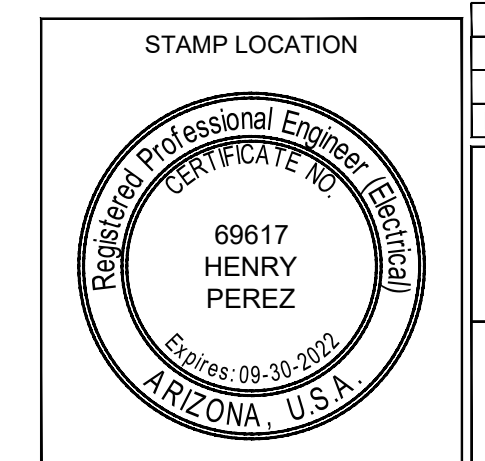
MAXIMUM AC VOLTAGE DROP (%)	1.14%
AVERAGE AC VOLTAGE DROP (%)	1.02%



**E2.0 SINGLE LINE DIAGRAM
PANEL SCHEDULE**



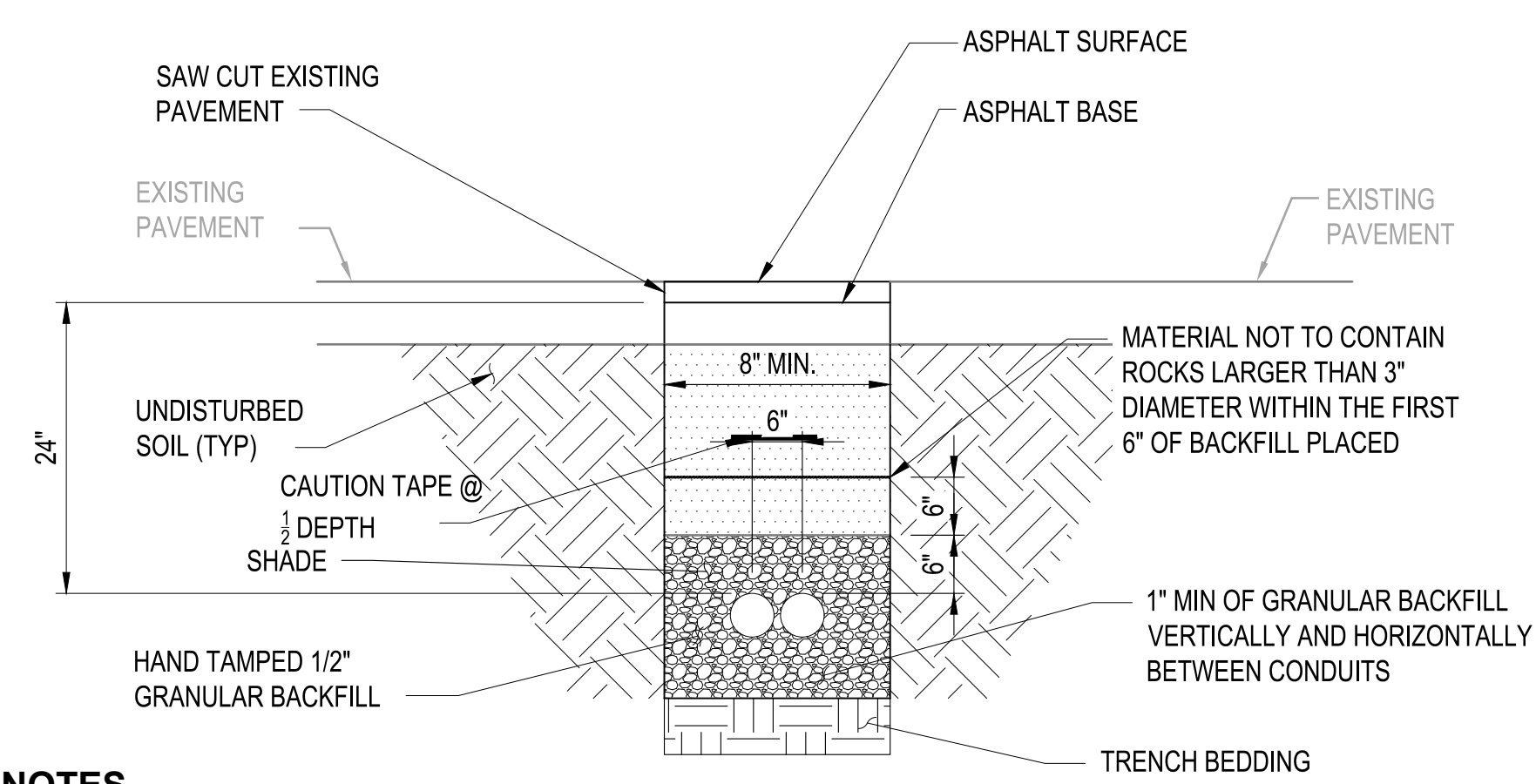
T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03
 CONTACT: JASON PAQUETTE
 PHONE: 619-518-1101 PGR/MOBILE:
 INSPECTOR: JEFF TURNER
 PHONE: 928-581-9754 PGR/MOBILE:



NO.	DATE	DESCRIPTION	BY
TAKE CHARGE [26.62KW, 208V 3-PHASE] FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING 			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	E2.0

EXPIRES: 9-30-2022

TAKE CHARGE
 FAIRMONT SCOTTSDALE PRINCESS
 7575 E PRINCESS DR
 WA622585

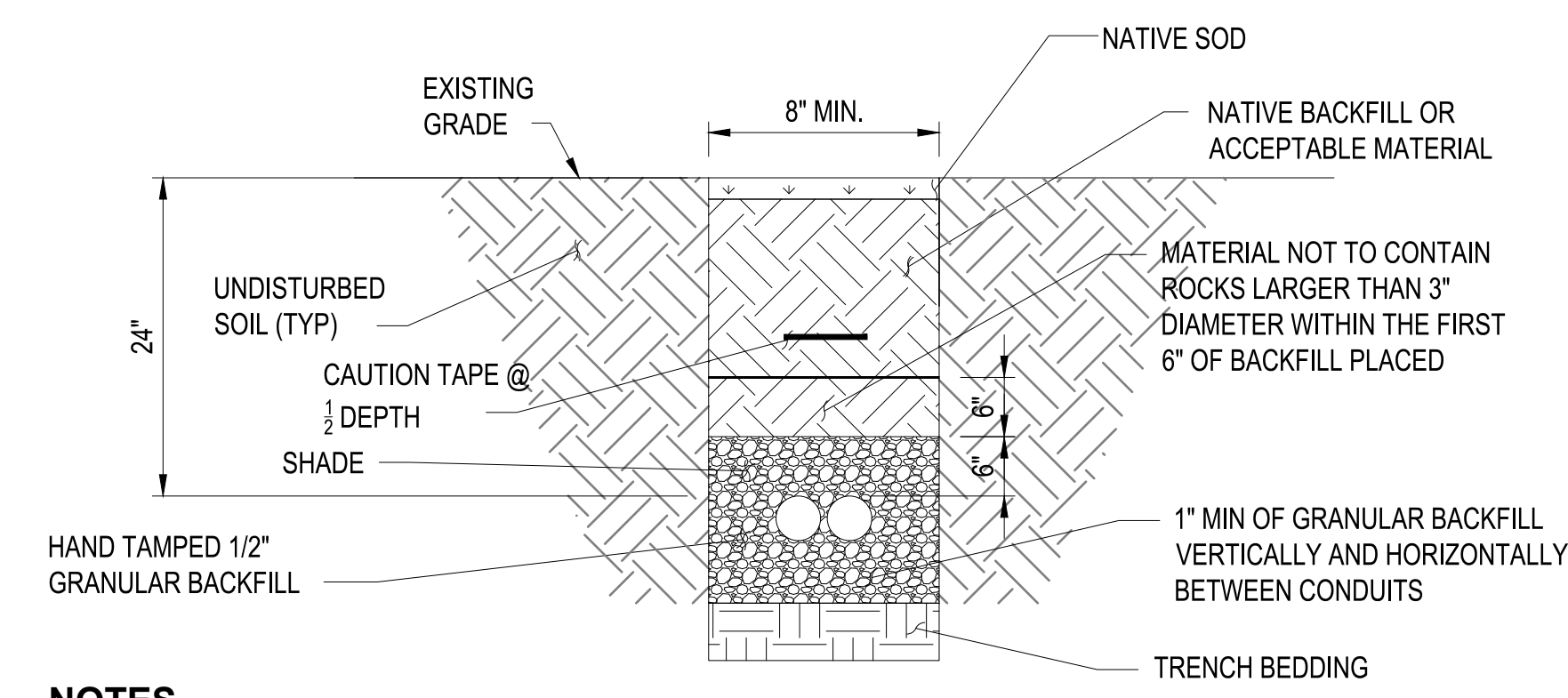


NOTES

- TRENCHING REQUIREMENTS SHALL MEET THE STANDARDS PER THE APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.
- ASPHALT SHALL COMPLY WITH STANDARD DOT OR LOCAL JURISDICTION SPEC. FOR HMA SURFACE COURSE.
- ANY EXCAVATION LEFT OPEN NEEDS TO BE FENCED, BARRICADED, OR TRENCH PLATED TO ENSURE THE SAFETY OF THE GENERAL PUBLIC.
- ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE CONSTRUCTION CONDITIONS OR BETTER.
- EXACT NUMBER OF CONDUITS SHALL BE DETERMINED BY SHEET E1.0 & E2.0. EXACT CONDUIT PLACEMENT IN TRENCH SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON PHYSICAL MEASUREMENTS AND JURISDICTIONAL REQUIREMENTS.
- CLEAN GRANULAR BACKFILL SHALL BE PLACED IN LOOSE, LEVEL LIFTS NOT TO EXCEED 6-INCHES THICKNESS.
- COMPACTION SHALL BE BY MECHANICAL VIBRATORY PLATE COMPACTORS UNLESS OTHERWISE SPECIFIED.
- COMPACTION TO THE SAME DENSITY AS THE UNDISTURBED SOIL. COMPACT EACH LAYER UNTIL THERE IS NO EVIDENCE OF CONSOLIDATION.
- FINAL LIFT BENEATH PAVEMENTS SHALL BE COMPACTED A MINIMUM OF FOUR COMPLETE PASSES.
- CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE USED IN PLACE OF CLEAN GRANULAR BACKFILL. CLSM SHALL CONFORM TO THE REQUIREMENTS OF THE DOT STANDARD SPECIFICATIONS.
- SHADE MATERIAL SHALL NOT CONTAIN ROCKS LARGER THAN 1-1/2 INCHES IN THEIR GREATEST DIMENSION AND SHALL CONFORM TO APS SERVICE REQUIREMENTS MANUAL SECTION 600.05.
- TRENCH BEDDING SHALL MEET THE STANDARDS PER APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.03.
- ALL UTILITY CROSSINGS SHALL PROVIDE A MINIMUM OF 12 INCHES CLEAR VERTICAL SEPARATION FROM THE APS ELECTRIC FACILITIES AS OUTLINED IN THE APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.02.

UNDER PAVEMENT APS TRENCH DETAIL

NO SCALE



NOTES

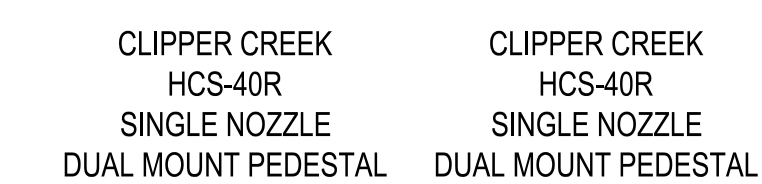
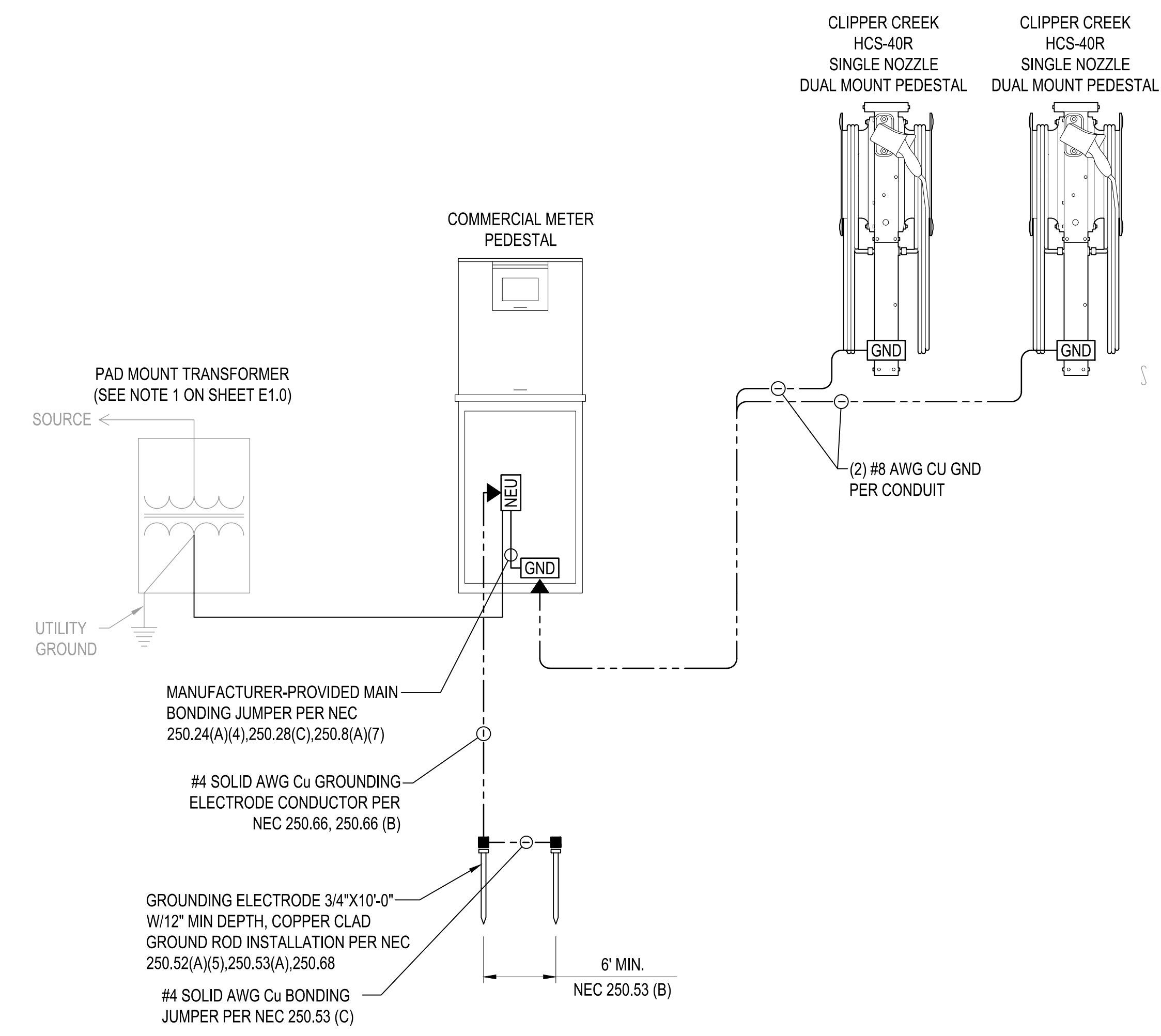
- TRENCHING REQUIREMENTS SHALL MEET THE STANDARDS PER APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.
- ANY EXCAVATION LEFT OPEN NEEDS TO BE FENCED, BARRICADED, OR TRENCH PLATED TO ENSURE THE SAFETY OF THE GENERAL PUBLIC.
- ANY LANDSCAPE DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE CONSTRUCTION CONDITIONS OR BETTER.
- EXACT NUMBER OF CONDUITS SHALL BE DETERMINED BY SHEET E1.0 & E2.0. EXACT CONDUIT PLACEMENT IN TRENCH SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON PHYSICAL MEASUREMENTS AND JURISDICTIONAL REQUIREMENTS.
- BACKFILL SHALL BE PLACED IN LOOSE, LEVEL LIFTS NOT TO EXCEED 6-INCHES THICKNESS.
- COMPACTION SHALL BE BY MECHANICAL VIBRATORY PLATE COMPACTORS UNLESS OTHERWISE SPECIFIED.
- COMPACTION TO THE SAME DENSITY AS THE UNDISTURBED SOIL. COMPACT EACH LAYER UNTIL THERE IS NO EVIDENCE OF CONSOLIDATION.
- CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE USED IN PLACE OF GRANULAR BACKFILL. CLSM SHALL CONFORM TO THE REQUIREMENTS OF THE DOT STANDARD SPECIFICATIONS.
- SHADE MATERIAL SHALL NOT CONTAIN ROCKS LARGER THAN 1-1/2 INCHES IN THEIR GREATEST DIMENSION AND SHALL CONFORM TO APS SERVICE REQUIREMENTS MANUAL SECTION 600.05.
- TRENCH BEDDING SHALL MEET THE STANDARDS PER APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.03.
- ALL UTILITY CROSSINGS SHALL PROVIDE A MINIMUM OF 12 INCHES CLEAR VERTICAL SEPARATION FROM THE APS ELECTRIC FACILITIES AS OUTLINED IN THE APS ELECTRIC SERVICE REQUIREMENTS MANUAL SECTION 600.02.

UNDER SOIL APS TRENCH DETAIL

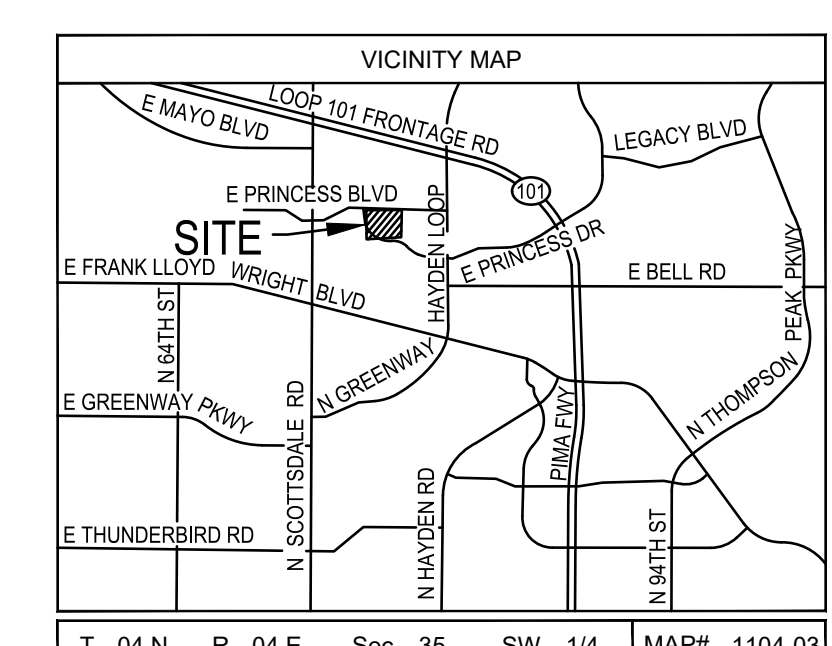
NO SCALE

GROUNDING NOTES

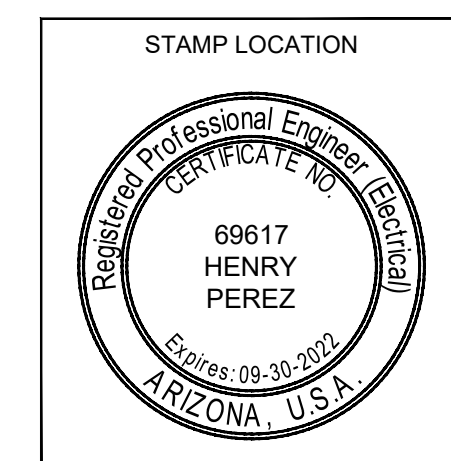
- COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).
- ALL BELOW GRADE BONDS TO BE EXOTHERMIC WELDS OR IRREVERSIBLE COMPRESSION-TYPE CONNECTIONS LISTED FOR USE IN THE APPLICATION WHICH THEY ARE INSTALLED.
- GROUNDING CONDUCTORS ARE GENERALLY NOT SHOWN. GROUND AND BOND ALL EQUIPMENT, RACEWAYS, MOTORS, PANELBOARDS AND SWITCHBOARDS, ETC. IN ACCORDANCE WITH 2017 NEC, ARTICLE 250.
- 25Ω RESISTANCE OR LESS.



E3.0 ELECTRICAL DETAILS



T 04 N	R 04 E	Sec 35	SW 1/4	MAP# 1104-03
CONTACT: JASON PAQUETTE				
PHONE: 619-518-1101 PGR/MOBILE:				
INSPECTOR: JEFF TURNER				
PHONE: 928-581-9754 PGR/MOBILE:				



NO.	DATE	DESCRIPTION	BY
TAKE CHARGE (26.62KW, 208V 3-PHASE) FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING			

WO#: WA622585	DATE: 8-13-2021
BY: TR-C2	SCALE: AS NOTED
APS DWG #: 165552	VENDOR #: E3.0

EXPIRES: 9-30-2022

TAKE CHARGE
 FAIRMONT SCOTTSDALE PRINCESS
 7575 E PRINCESS DR
 WA622585



HCS SERIES PRODUCT OVERVIEW

ELECTRICAL SPECIFICATIONS

- **Certifications** - ETL, cETL Listed
- **Service** - 208V to 240V - 20A to 80A, single phase, 2 wire w/ground
- **Charge Current Output Power** - 208V to 240V-16A to 64A continuous (3.3kW to 15.4kW)
- **Service Ground Monitor** - Constantly checks for presence of proper safety ground
- **Automatic Circuit Reclosure** - After minor power faults
- **Charge Circuit Interruption Device** - Ground fault protection with fully automated self-test, eliminates manual user testing

MATERIAL SPECIFICATIONS

- 25 foot charging cable
- Three year warranty
- Install hardwired or plug-in
- Indoor/outdoor rated fully sealed (NEMA 4) enclosure
- Operating temperatures: -22°F to 122°F (-30°C to 50°C)
- Wall mount holster included

ACCESS CONTROL OPTION AVAILABLE *\$78 additional

ChargeGuard® Reliable key-based access control designed for fleet, workplace, multi-tenant, hospitality and residential charging.

MULTIPLE CONFIGURATIONS						
MODEL:	HCS-20	HCS-30	HCS-40*	HCS-50*	HCS-60	HCS-80
CIRCUIT BREAKER RATING:	20A	30A	40A	50A	60A	80A
MAXIMUM CURRENT:	16A	24A	32A	40A	48A	64A
PRICES STARTING AT:	\$565	\$565	\$565	\$635	\$899	\$969

*Plug-in options are available at an additional charge.

RUGGEDIZED OPTION AVAILABLE \$100 additional
HCS-40R, HCS-40PR, HCS-60R and HCS-80R

- 5-year warranty
- Impact and crush-resistant SAE-J1772™ connector
- Type 4X watertight and corrosion resistant rubber overmolded EV connector
- Available for plug-in installations with NEMA 14-50 or NEMA 6-50 plugs (HCS-40 only)

Share2® OPTION Maximize your Infrastructure Investment

- Turn one charging spot into two with HCS Share2®
- Full power charging for one vehicle, split power charging for two vehicles
- Compatible with ChargeGuard® enabled and Ruggedized HCS stations
- Power Sharing from a single circuit between two charging stations

Call ClipperCreek Today!
 877-694-4194
 www.clippercreek.com
 Wall Mount Connector
 Holster included



A REAL PRODUCT, FOR THE REAL WORLD. ClipperCreek's HCS charging stations come in a variety of power levels, as hardwired and plug-in units, and with multiple pedestal mount options. Recent additions to the HCS product line include the HCS-60R and HCS-80R, 'ruggedized' versions of our most powerful HCS models, offering up to 64 Amp charging; and the ChargeGuard®, a simple key-based access control option.

- **FAST CHARGING** - Up to 15.4kW of power to charge your vehicle quickly
- **QUALITY** - Technology that works for the life of your current plug-in vehicle and then some
- **CONVENIENT** - 25 feet of charging cable for installation flexibility and superior vehicle reach
- **DURABLE** - Rugged, fully sealed NEMA 4 enclosure for installation anywhere
- **RELIABLE** - Backed by ClipperCreek's exceptional warranty and outstanding customer service



20190211



20190211



RUGGED, UNIVERSAL, ECONOMICAL. Mount one or two ClipperCreek electric vehicle charging stations on our ProMountDuo™ pedestal for a cost effective mounting solution.

- **LOW COST** - Minimize installation costs and mount one or two units on a single pedestal
- **UNIVERSAL** - Ready for multiple ClipperCreek EVSE product lines
- **RUGGED** - Powder coated galvanized or stainless steel pedestal paired with NEMA 4 fully sealed charging stations ensure protection from the environment
- **FLEXIBLE** - Can accommodate two ClipperCreek or Tesla® EVSEs plus two 120V convenience outlets
- **RELIABLE** - Backed by ClipperCreek's excellent warranty and customer service team



20190211

ProMountDuo PMD-10 UNIVERSAL PEDESTAL PRODUCT OVERVIEW

FEATURES

- Slim, modern profile
- Supports two stations and two 120V outlets per pedestal
- Compatible with ClipperCreek ACS, HCS and LCS product lines
- Operates as a single or dual mount pedestal with no additional kit necessary for two stations
- Galvanized and powder coated steel for environmental durability
- ADA height and reach compliant

OPTIONS AVAILABLE

- 120V Ground Fault Receptacle Kit Optional (0300-06-000)

PARTS INCLUDED

- Pedestal
- All the hardware needed to mount up to two EVSEs



More Options Now Available!

PMD-10R with HCS-60



The PMD-10R is an affordable solution designed for fleet, parking lot, or any harsh environment. Designed to accommodate ClipperCreek HCS, LCS, ACS products as well as the Tesla® Wall Connector. This "ruggedized" mounting solution is an excellent value at **\$695**.

- 100% stainless steel construction
- Powder coated for a lasting finish
- Stainless steel machined hardware
- No knockouts
- Plastic bushings for ease of installation
- Backed by a three year warranty

HCS/TESLA® Combo PMD-10T



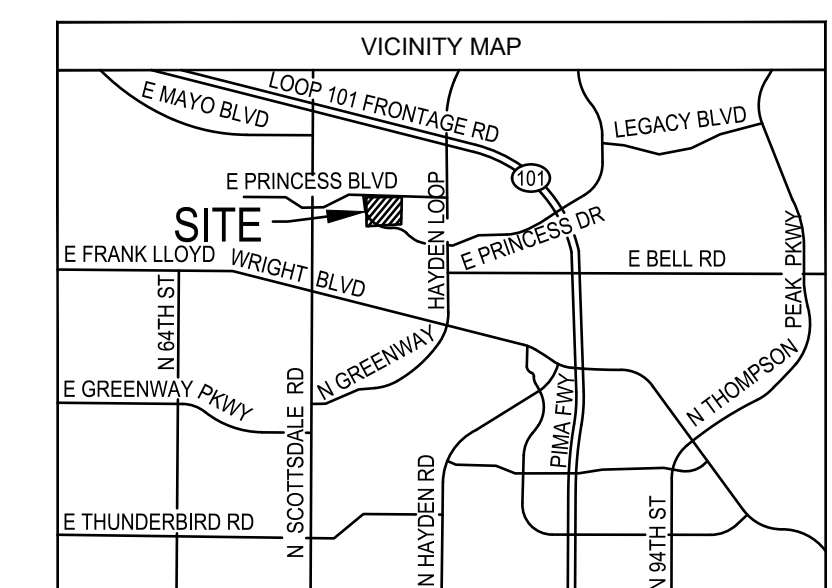
The PMD-10T has all the same features as the PMD-10, but comes equipped to mount ClipperCreek and/or Tesla® charging stations. Available for just **\$434**



20190211

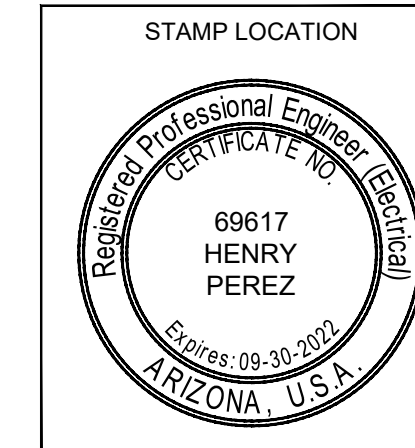


R1.0 REFERENCE DRAWING



T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03

CONTACT: JASON PAQUETTE
 PHONE: 619-518-1101 PGR/MOBILE:
 INSPECTOR: JEFF TURNER
 PHONE: 928-581-9754 PGR/MOBILE:



NO. DATE DESCRIPTION BY

TAKE CHARGE (26.62KW, 208V 3-PHASE)
 FAIRMONT SCOTTSDALE PRINCESS
 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255
 FINAL ENGINEERING

aps

WO#: WA622585 DATE: 8-13-2021
 BY: TR-C2 SCALE: AS NOTED
 APS DWG #: 165552 VENDOR #: R1.0

CLIPPER CREEK REFERENCE DRAWINGS

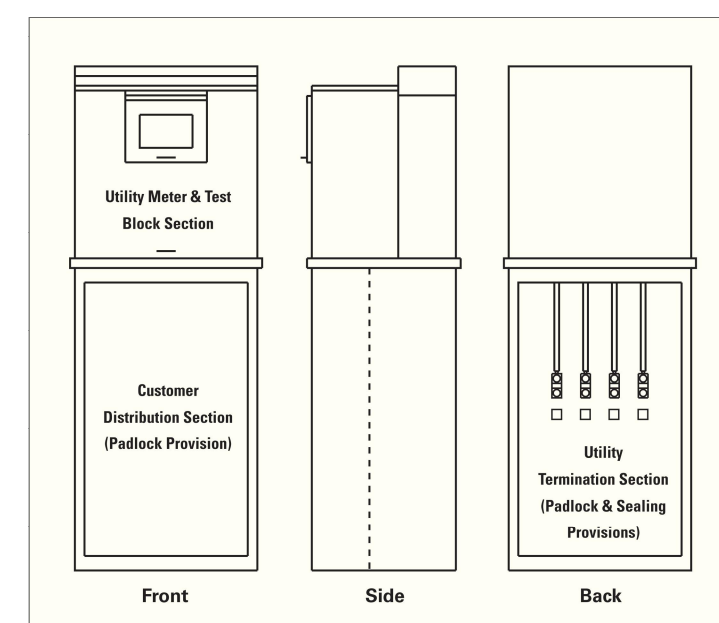
EXPIRES: 9-30-2022

Commercial Meter Pedestals - Pad Mounted



- Application**
- Utility meter, main disconnect and distribution panel
 - Receive ANSI C12.10 watt-hour meters
- Construction**
- Ring type
 - NEMA Type 3R
 - ANSI 61 gray painted finish
 - Separate sealable utility termination and meter compartments
 - Padlockable disconnect and distribution section
 - Underground feed
- Standards**
- UL Listed
 - ANSI C12.7
 - EUSERC #308
- Accessories**
- 5th jaw kit - 50365 (single phase)
 - Filler plate kit - 25139
 - Class T fusible pullouts
 - Controls, see page 106

Catalog Number	Amp Rating	Jaws	Service Type	Bypass	Voltage	Distribution Main Breaker	Branches	Type	Mounting Pad	Width	Depth	Height
CMP4111MC-1	100	4	10.3W	TB	240	100A,2P	12	Plug-In	MB1515	15"	17 1/2"	54"
CMP4111MCH-1	100	4	10.3W	TB	480	100A,2P	14	Bolt-On	MB2015	20"	17 1/2"	54"
CMP4121MC-1	200	4	10.3W	TB	240	200A,2P	12	Plug-In	MB1515	15"	17 1/2"	54"
CMP4121MCH-1	200	4	10.3W	TB	480	200A,2P	18	Bolt-On	MB2015	20"	17 1/2"	54"
CMP4411MC-1	100	7	30.4W	TB	240	100A,3P	12	Plug-In	MB1515	15"	17 1/2"	54"
CMP4411MCH-1	100	7	30.4W	TB	480	100A,3P	12	Bolt-On	MB2015	20"	17 1/2"	54"
CMP4421MC-1	200	7	30.4W	TB	240	200A,3P	12	Plug-In	MB1515	15"	17 1/2"	54"
CMP4421MCH-1	200	7	30.4W	TB	480	200A,3P	18	Bolt-On	MB2015	20"	17 1/2"	54"



Data subject to change without notice. Consult local utility for area acceptance. All dimensions are in inches.

Instruction Sheet
IL307018EN

Effective April 2018

B-LINE
SERIES

Commercial Meter Pedestals -
Mounting Base Details

Installation Instructions
CMP-4000 Series

Meter pedestals are designed for pad-mount installation. Two methods can be used to install pedestals on a concrete pad.

Method 1. Use pre-fabricated mounting base assembly.

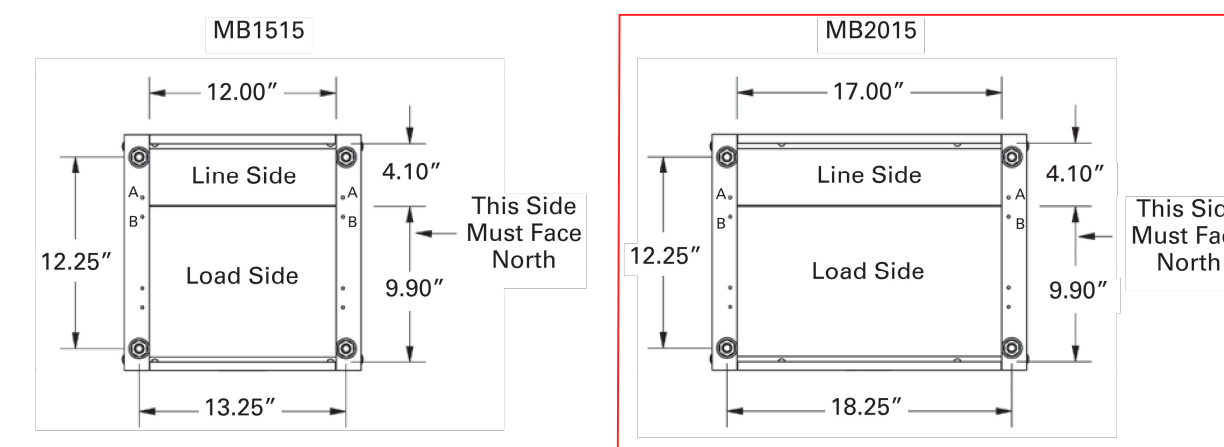
Cat. No. MB1515 - Suitable for 15" wide x 15" deep pedestals.

Cat. No. MB2015 - Suitable for 20" wide x 15" deep pedestals.

Install mounting base assembly flush with top surface of concrete pad, allowing mounting studs to reach above pad. Locate line and load conduits in the designated areas as shown on drawings below. Note: Barrier position 'B' for legacy B-Line series CMP alignment.

Caution:

Pedestals with photo-electric controls - right hand side must be facing to the North. (See drawings below)



Method 2. Use anchor bolts (5/8" dia.) pre-cast in concrete pad. Mounting hole dimensions are shown above for MB1515 (15" x 15") and MB2015 (20" x 15") pedestals. Locate line and load conduits the same as in Method 1.

Data subject to change without notice. Consult local utility for area acceptance. All dimensions are in inches.

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com



© 2018 Eaton
All Rights Reserved
Printed in USA
Publication No. IL307018EN
April 2018

Eaton is a registered trademark.
All other trademarks are property
of their respective owners.



Customization options

Common items



Switching

- Hand-Off-Auto
- Test switch



Photo Cells

- Installed in window
- Remote mount



Timer Clocks

- 24 hour mechanical
- 7 day programmable



Contactors

- 30A per pole standard
- Up to 200A options available

Customization Form

Frame:

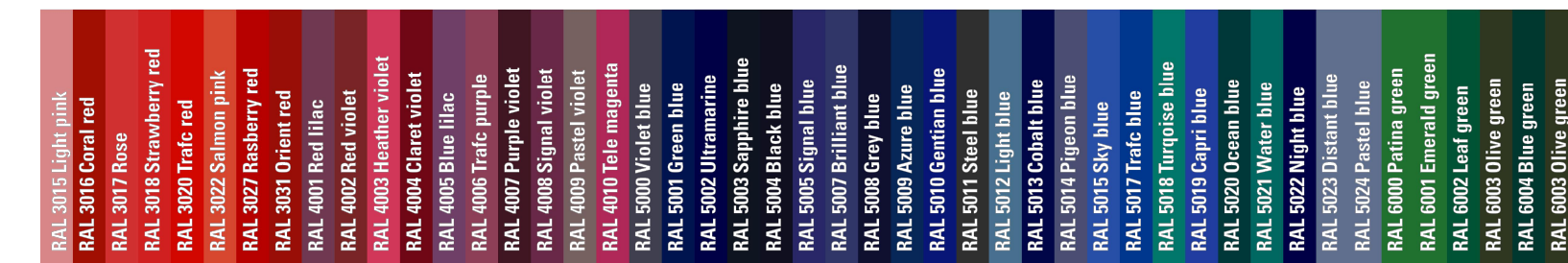
Type	<input checked="" type="checkbox"/> Pad Mount Yes	<input type="checkbox"/> Wall Mount n/a	<input type="checkbox"/> Pad Mount, Unmetered*
Width	<input type="checkbox"/> 15" n/a	<input checked="" type="checkbox"/> 20" Yes	<input type="checkbox"/> 24" n/a
Service	<input type="checkbox"/> Single Phase n/a	<input checked="" type="checkbox"/> Three Phase Yes	
Bypass	<input checked="" type="checkbox"/> Safety Socket Yes	<input type="checkbox"/> Lever n/a	<input type="checkbox"/> MCC (10, 320A) n/a
Material	<input checked="" type="checkbox"/> Painted Galv. Yes	<input type="checkbox"/> Aluminum n/a	<input type="checkbox"/> 304 SS n/a
Paint Color	<input checked="" type="checkbox"/> ANSI 61 Grey Yes	<input type="checkbox"/> Other RAL Number n/a	<input type="checkbox"/> 316 SS n/a
Distribution:			
Main Fuse Pull-Out	Voltage: <u>208Y/120V, 3P, 4W</u>	Amperage: <u>200A</u>	<input type="checkbox"/> SCCR: 10k n/a
			<input type="checkbox"/> SCCR: Other n/a

Note:

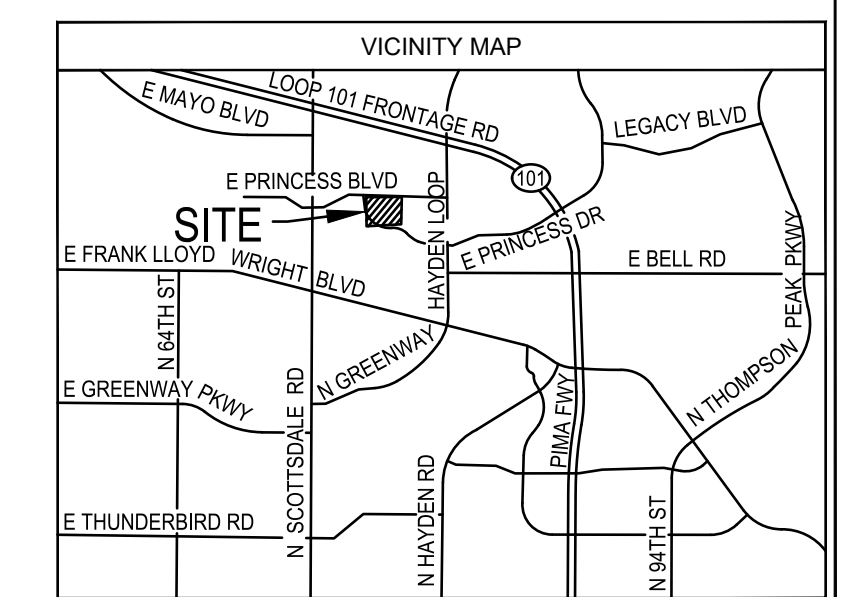
Bypass Safety Socket shall be EUSERC 311

* Denotes 5 day factory lead time

** Please provide panel schedule if branch breakers are to be factory populated



R1.2 REFERENCE DRAWING



T 04 N R 04 E Sec 35 SW 1/4 MAP# 1104-03
CONTACT: JASON PAQUETTE
PHONE: 619-518-1101 PGR/MOBILE:
INSPECTOR: JEFF TURNER
PHONE: 928-581-9754 PGR/MOBILE:

NO.	DATE	DESCRIPTION	BY
TAKE CHARGE [26.62KW, 208V 3-PHASE] FAIRMONT SCOTTSDALE PRINCESS 7575 E PRINCESS DR, SCOTTSDALE, AZ 85255 FINAL ENGINEERING 			
WO#:	WA622585	DATE:	8-13-2021
BY:	TR-C2	SCALE:	AS NOTED
APS DWG #:	165552	VENDOR #:	R1.2

STAMP LOCATION

EXPIRES: 9-30-2022

1

NO SCALE

200A (208Y/120V) EATON COMMERCIAL METER PEDESTAL (CMP4421MC-1)
SEE CUSTOMIZATION FORM ON THIS SHEET

2

NO SCALE

METER PEDESTAL CUSTOMIZATION FORM