TRI DELTA TRANSIT
Eastern Contra Costa Transit Authority
801 Wilbur Avenue • Antioch, California 94509
Phone 925.754.6622 Fax 925.757.2530

Addendum No. 3

Response to Question and Requests for Clarification, Interpretation, and Additional Information
For:

Invitation for Bid #2025-04
Charging Station Removal/Replacement

Eastern Contra Costa Transit Authority

Notice to Prospective Proposers

Eastern Contra Costa Transit Authority's (ECCTA) response to questions and requests for clarification, interpretation, and additional information, as set forth in the Information to Bidders section of the IFB, page 10, "Interpretation of Contract Documents," is attached and hereby incorporated into, and made part of, the IFB solicitation for the removal and disposal of four old electric vehicle (EV) chargers and installation of three new EV chargers.

Office of the CEO

January 27, 2025

Encl: Engineer's Estimate
Revised Installation drawings

Additional Information and Clarifications

An Engineer's Estimate, in accordance with Addendum 2 published on January 6, is included with this addendum.

ECCTA additionally discovered a minor discrepancy in the installation drawings submitted as part of Addendum 1. A revised version of the drawings is included with this addendum. Full size versions of the drawings are available on our website and on the Bid Express platform.

Questions and Answers

Q: Are there any prequalifications requirements to meet before submitting a bid for this contract?

A: No.

Q: Are there any electrical drawings for this project?

A: No

Q: Have the plans been submitted to the City of Antioch for permitting purposes?

A: No

Q: ChargePoint requires 200A 3P. Is it correct that you currently have 125A 3P breakers feeding individual chargers? If so, can you confirm that the existing wire sizes will not be adequate?

A:

- Power Blocks are 200kw and require a minimum 350A/3p Breaker.
- All conductors to existing chargers will be removed.
- Conduit out to chargers can be reused and extended to appropriate flexible connections using Surface Conduit Entry Kits for all ChargePoint Power Blocks and Power Links (back entry only). See Site Design Guide for reference.
- Power Links will receive 250A HVDC XHHW-2 conductors that will fit into the existing 1.5" RGS Conduit.
- 48vdc 2#6 XHHW-2 and CAT 6 Ethernet will require new conduit. See Site Design Guide for reference.

Q: If a bidder was unable to attend the pre-bid meeting and site tour, are they still able to view the project site?

A: Yes. Please contact Chief Operating Officer, Toan Tran, at 925-754-6622 or ttran@eccta.org to arrange an appointment. Please be advised that the due date for bid submission is Monday, February 9.

Q: Are bidders required to complete and submit the Disclosure of Lobbying Activities form?

A: Yes.

Q: Are bidders required to complete and submit the Buy America compliance form?

A: Yes.

Q: Do bidders have to complete and submit pdf copies of all forms electronically in addition to completing and submitting them on the online portal?

A: If submitting a bid electronically via Bid Express, bidders only need to complete the forms and certificates on the Bid Express platform. These forms and certificates are duplicates of the forms and certificates found in the IFB packet, which are included for bidders to complete should they decide to complete and submit hard copy bids. Bidders must only complete one set, either electronically or hard copy.

Audit & Design ROM Pricing Sheet

Note:
Please fill only the COST & QTY columns , other cells contain formulas
Please fill the cells as per the specifications mentioned in the RFP

Candidate/site Name - TRI-DELTA TRANSIT - R3 3 Blks, 6 PLs.

Prevailing Wage Included?	**Yes**
Buy America Included?	**Yes**
Accessible Route Included?	**NO**
Utility Estimate Included?	**NO**

ROM Breakdown	DESCRIPTION	UOM	COST	QTY	COST TOTAL
Permit					
	Permitting, Fees, & Inspections	ea	$ 3,500.00	1	$ 3,500.00
TOTAL					**$ 3,500.00**
Design & Engineering					
	Site Survey	ea	$ -	1	$ -
	Prelim Design	ea	$ -	1	$ -
	Engineering & Construction Documents	ea	$ 20,000.00	1	$ 20,000.00
	Utility Coordination	ea	$ -	1	$ -
TOTAL					**$ 20,000.00**
General Requirements					
	GC - OH-P and Travel	ea	$ 49,244.71	1	$ 49,244.71
TOTAL					**$ 49,244.71**
Mobilization Tasks					
	Construction Barricade / Fencing	ea	$ 1,725.00	2	$ 3,450.00
	Dumpster	ea	$ 1,000.00	1	$ 1,000.00
	UG Locate Service	ea	$ 2,420.00	1	$ 2,420.00
	Jobsite Container	ea	$ 1,200.00	2	$ 2,400.00
	Landscape	ea	$ 3,100.00	0	$ -
TOTAL					**$ 9,270.00**
Concrete					
	PB - Pad Single	ea	$ 1,694.00	0	$ -
	PB - Pad Double	ea	$ 2,600.00	3	$ 7,800.00
	PL - Pad	ea	$ 2,220.00	5	$ 11,100.00
	SWGR - Pad (96X48X8) @ 2500PSI	ea	$ 2,660.00	0	$ -
	Bollard 4"x36" Buried	ea	$ 1,100.00	10	$ 11,000.00
	Bollard 4"x36" Surface Mnt.	ea	$ 173.00	0	$ -
	Bollard 4"x36" Surface Mnt. w/Sign Post	ea	$ 228.00	0	$ -
	ADA Ramp to existing Sidewalk	ea	$ 3,300.00	0	$ -
	New Concrete Curb & Gutter	ea	$ 119.00	0	$ -
	Light Pole Base - Precast 18"x72"	ea	$ 1,480.00	0	$ -
	Sidewalk	ea	$ 297.50	0	$ -
TOTAL					**$ 29,900.00**
Signage, Striping & Stenciling					
	Line Striping & Stencil	ea	720.00	0	$ -
	Signage Installation	ea	$ 870.00	0	$ -
TOTAL					**$ -**
EVCS Equipment, Rental equipment & Commissioning					
	Rental equipment	ea	$ 3,500.00	1	$ 3,500.00
	PB - Receive & Installation	ea	$ 2,520.00	3	$ 7,560.00
	PL - Receive & Installation	ea	$ 1,260.00	6	$ 7,560.00
Commissioning	Final Inspection & Testing	ea	$ 1,310.00	6	$ 7,860.00
TOTAL					**$ 26,480.00**
Communication & Integrated Automation					
	Cat 6 Broadband Connectivity	ea	$ 13.50	0	$ -
	Cellular Signal Booster	ea	$ -	0	$ -
TOTAL					**$ -**
Electrical (Utility Specified Customer SOW)					
	Underground Vault & Cover (Utility Specified)	ea	$ 9,150.00	0	$ -
	Transformer / HV Switch (PiP) Pads or Precast	ea	$ 8,180.00	0	$ -
	UG Conduit in Trench (Utility Primary)	lft	$ 149.00	0	$ -
	UG Bore (Utility Primary)	lft	$ 277.50	0	$ -
	HV Conductors + Labor	ea	$ 108.50	0	$ -
TOTAL (UTILITY)					**$ -**
Electrical (Utility Installation)					
	Utility Installation & Fee estimate	ea	$ -	1	$ -
TOTAL (UTILITY)					**$ -**
Electrical (Non- Utility SOW)					

1600A	Service Switchgear	ea	$ 68,780.00	0	$ -
1600A	Conduit (5 X 4" PVC) (from Utility To Swgr)	lft	$ 206.50	0	$ -
	Wire (5 sets) 4x #500MCM AWG 75° (3Φ 4W)	lft	$ 500.50	0	$ -
2000A	Service Switchgear	ea	$ 81,160.00	0	$ -
2000A	Conduit (6 X 4" PVC) (from Utility To Swgr)	lft	$ 136.50	0	$ -
	Wire (6 sets) 4x #500MCM AWG 75° (3Φ 4W)	lft	$ 147.00	0	$ -
	Grounding (2X 5/8x8' Ground Rod)	ea	$ 2,135.00	0	$ -
	350A/3p Breakers For Existing MSB	ea	$ 1,210.00	3	$ 3,630.00
	Separate Meter Socket	ea	$ 1,900.00	0	$ -
	Conduit (3" RGS) (from Swgr to EXPP PB)	lft	$ 177.75	52	$ 9,243.00
	Wire #500MCM + #2grd.	lft	$ 102.00	100	$ 10,200.00
	Wire 2 sets #4/0 XHHW-2 + #1grd. (AL option)	lft	$ 41.30	0	$ -
	Conduit (1.5" RGS + Sealtight) (from PB to PL)	lft	$ 99.25	160	$ 15,880.00
	XHHW-2 Cu. wire 2x#4/0 #4grd	lft	$ 45.75	600	$ 27,450.00
	XHHW-2 AL wire 2x#300 #1grd. (optional)	lft	$ 32.48	0	$ -
	Conductor Compression Lugs	ea	$ 43.20	48	$ 2,073.60
	Aux. Pwr. 48vdc 2x#6 + CAT6	lft	$ 15.55	570	$ 8,863.50
	1" RGS Conduit	lft	$ 22.60	600	$ 13,560.00
	In-Ground Pull Box	ea	$ 1,295.00	0	$ -
	Future Proof Conduit	lft	$ 22.35	0	$ -
TOTAL (COMMERCIAL)					**$ 90,900.10**

Site Prep & Earthwork					
	Rental Equipment	ea	$ 6,000.00	1	$ 6,000.00
	Trenching & Excavation	lft	$ 57.00	60	$ 3,420.00
	Saw Cutting Asphalt and Breakout	lft	$ 36.75	105	$ 3,858.75
	Saw Cutting Concrete and Breakout	lft	$ 57.75	0	$ -
	Asphalt Pavement Patch (24" w)	lft	$ 83.00	0	$ -
	Concrete Pavement Patch (24"w)	lft	$ 118.50	0	$ -
	Demo Existing Charging Equipment	ea	$ 365.00	10	$ 3,650.00
	Tree Relocation - Trunk Size 11"-15"	ea	$ 1,850.00	0	$ -
TOTAL					**$ 16,928.75**

PROJECT ROM					
Project ROM - SubTotal					**$ 246,223.56**
Contingency	Contingency @15%	ea			$ 36,933.53
PROJECT ROM - GRAND TOTAL					**$ 283,157.10**
PROJECT ADD ALTERNATE TOTAL	**Furnish & Install All New HVDC RGS Conduit PB-PL**	**lft**	**$ 138.95**	**640**	**$ 88,928.00**
					$ 372,085.10

SCOPE OF WORK - TYPICAL
Civil Services & Equipment to cut, trench, excavate, backfill, and patch
New Breakers for Existing MSB.
Install New Owner-Supplied EV Charging Equipment.
Surface Mounted Conduit and Wire from New Switchgear to CP Express Plus Power Blocks.
Surface Mounted Conduit and Wire from CP Express Plus Power Blocks to Power Links.
Install New RGS Conduit for HVDC & LVDC and Ethernet Wiring where necessary.
Inspections, Energization & Commissioning

EXCLUSIONS
Arc flash study and coordination.
Construciton Security / Fire Watch
Unforesen Soil Conditions
Repair/Replacement/Etc of any damage to existing unmarked underground utilities including electrical and irrigation.
Dewatering and unforseen weather conditions
Erosion Control
Traffic control to close off the parking lot
Extent of ADA Upgrades unknown at this point
Boring or trenching through rock
Easements

EV CHARGING STATIONS

DRAWING STATUS: CD50

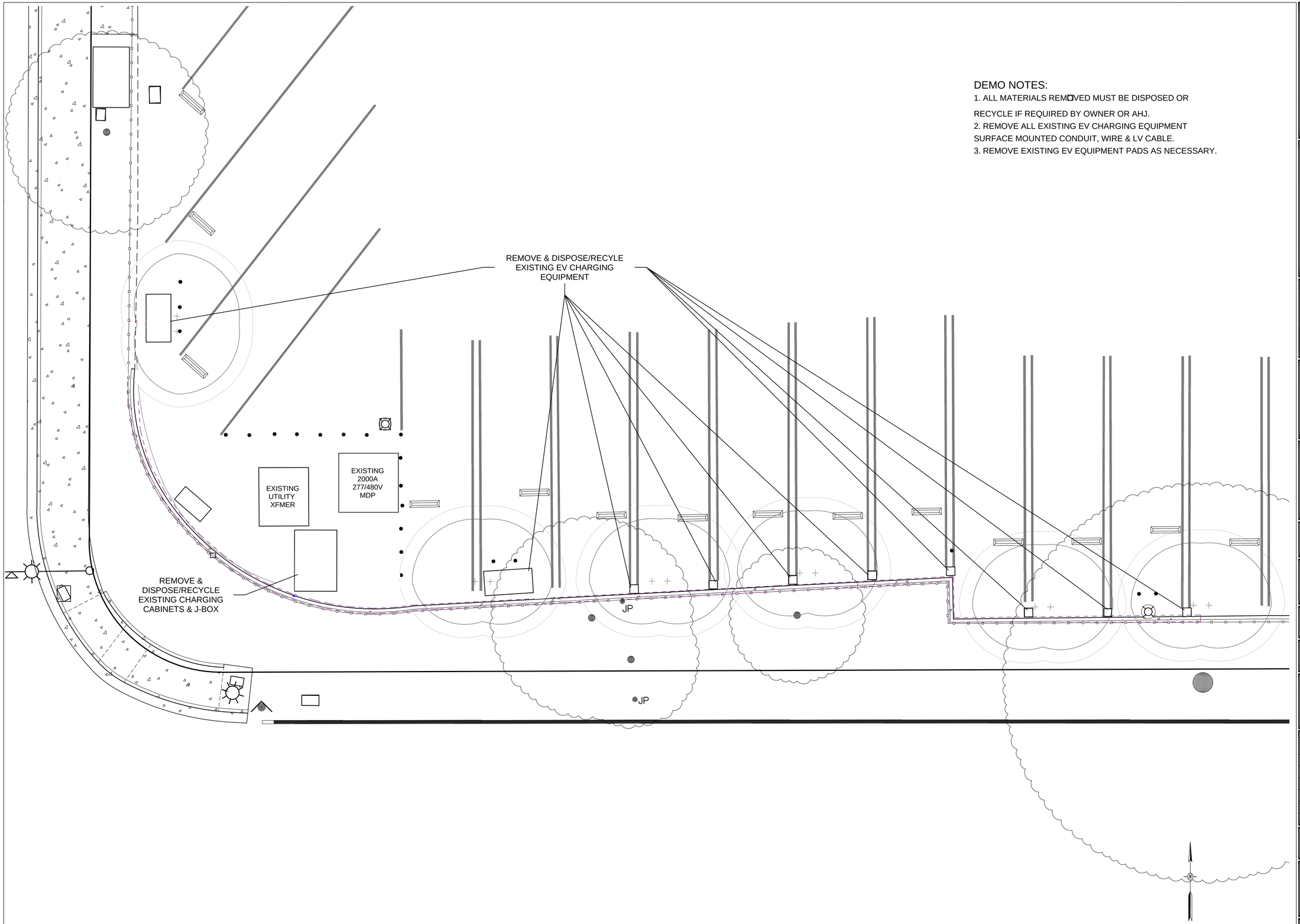
PARCEL NUMBER:

AERIAL MAP


801 Wilbur Ave
Wilbur Ave
Wilbur Ave

DEMO NOTES:

1. ALL MATERIALS REMOVED MUST BE DISPOSED OR RECYCLE IF REQUIRED BY OWNER OR AHJ.
2. REMOVE ALL EXISTING EV CHARGING EQUIPMENT SURFACE MOUNTED CONDUIT, WIRE & LV CABLE.
3. REMOVE EXISTING EV EQUIPMENT PADS AS NECESSARY.



DEMO SITE PLAN

1

PLANS PREPARED BY

chargepoint

240 EAST HACIENDA AVE.
CAMPBELL, CA. 95008 USA

PLANS PREPARED FOR

Tri-Delta Transit

EV CHARGING
AT
BUS PARKING LOT

CLIENT NAME

PROJECT ADDRESS
801 WILBUR AVE.,
ANTIOCH, CA 94509

PROJECT DESCRIPTION
EV CHARGING STATIONS

SHEET NAME
OVERALL SITE PLAN

DATE:	NO:	REVISIONS:	RESP:
MM/DD/YY	A	ISSUED FOR REVIEW	XXX

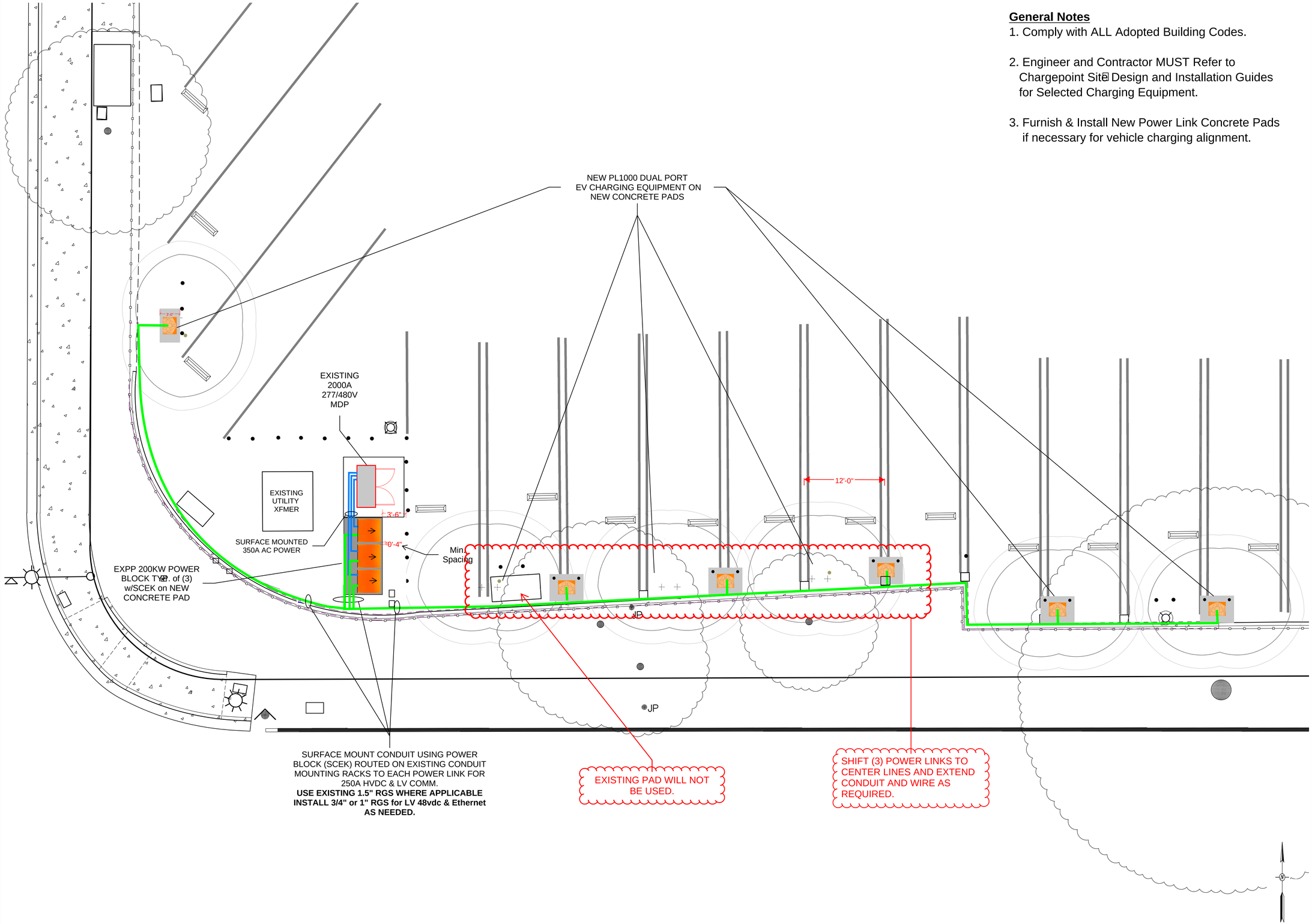
PROJECT NUMBER
XXXXXXX

DRAWN BY:
DESIGNED BY:
APPROVED BY:
DATE:
SCALE:

SHEET NUMBER
EC101

General Notes

1. Comply with ALL Adopted Building Codes.
2. Engineer and Contractor MUST Refer to Chargepoint Site Design and Installation Guides for Selected Charging Equipment.
3. Furnish & Install New Power Link Concrete Pads if necessary for vehicle charging alignment.



NEW EQUIPMENT SITE PLAN

1

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EV CHARGING
AT
BUS PARKING LOT

CLIENT NAME

PROJECT ADDRESS

801 WILBUR AVE.,
ANTIOCH, CA 94509

PROJECT DESCRIPTION

EV CHARGING STATIONS

SHEET NAME

ENLARGED SITE PLAN

DATE:	NO:	REVISIONS:	RESP:
MM/DD/YY	A	ISSUED FOR REVIEW	XXX

PROJECT NUMBER

XXXXXXX

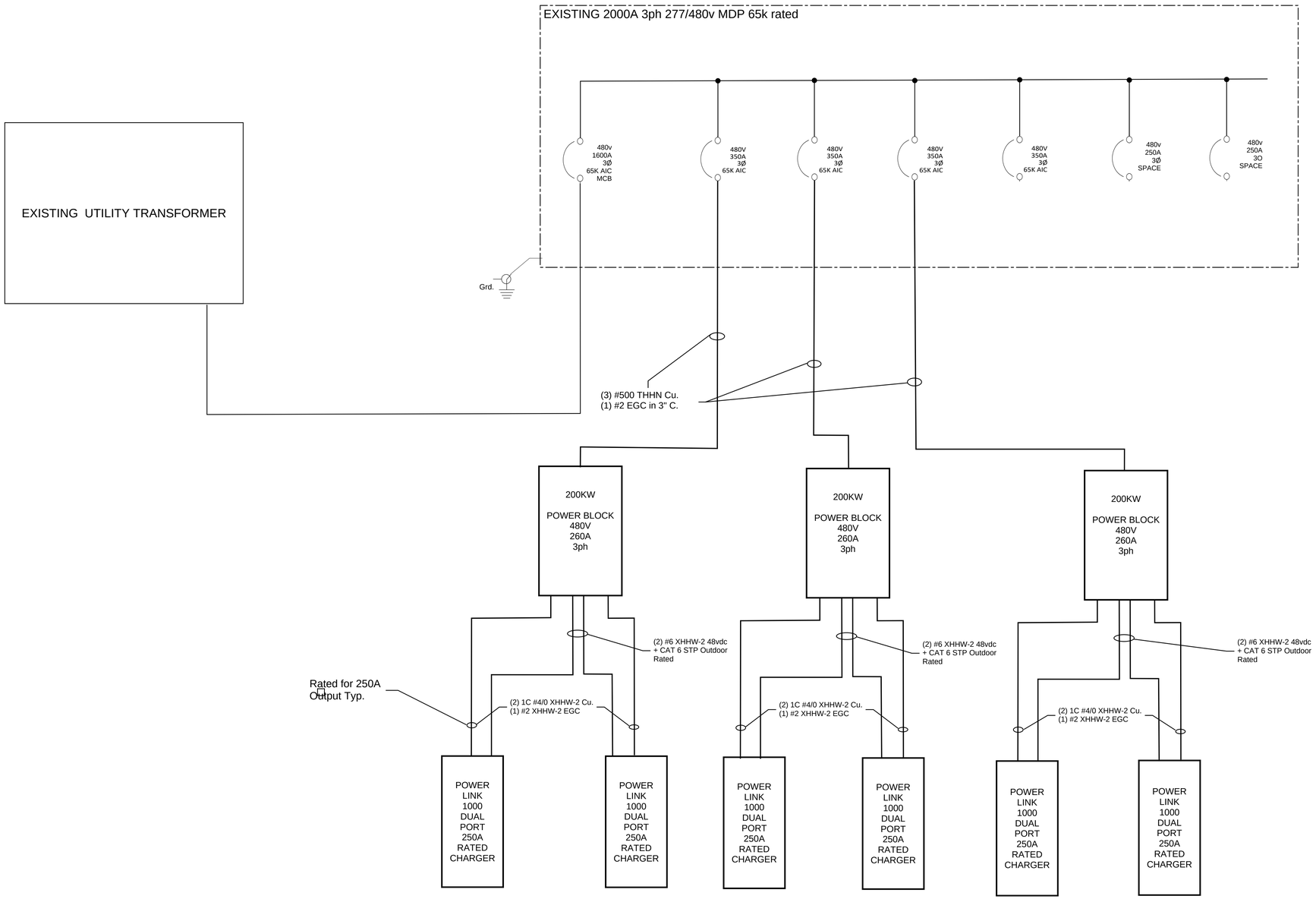
DRAWN BY:
DESIGNED BY:
APPROVED BY:
DATE:
SCALE:

SHEET NUMBER

EC102

One-Line Notes:

1. Comply with ALL Adopted Building Codes.
2. Engineer and Contractor MUST Refer to Chargepoint Site Design and Installation Guides for Selected Charging Equipment.
3. **AC & HVDC Conductors are shown as recommendations only.** 48vdc 1000v rated conductors and CAT 6 Outdoor Rated Cable is REQUIRED.
4. AC Conductors shall be rated 600v and 75C at a minimum.
5. HVDC Conductors shall be rated 1000v. 90C rating is allowed.



STAMP

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EV CHARGING
AT
BUS PARKING LOT

CLIENT NAME

PROJECT ADDRESS
801 WILBUR AVE.,
ANTIOCH, CA 94509

PROJECT DESCRIPTION
EV CHARGING STATIONS

SHEET NAME
ONE-LINE DIAGRAM

DATE:	NO:	REVISIONS:	RESP:

PROJECT NUMBER
XXXXXXX

DRAWN BY:
DESIGNED BY:
APPROVED BY:
DATE:
SCALE:

SHEET NUMBER
EE101

ChargePoint® Express Plus with Power Link 1000

A flexible DC fast charging platform that grows with you.

Express Plus Power Module

Express Plus Power Module Output

Max Output Power	40 kW
Max Output Current	100 A
Power Conversion Efficiency	Up to 96%
Power Factor	0.99 at full load

Express Plus Power Module Specifications

Power Module Dimensions	430 mm (H) x 130 mm (W) x 760 mm (L) (1 ft 5 in x 5 in x 2 ft 6 in)
Power Module Weight	45 kg (98.5 lb.)
Power Module Cooling	Liquid Cooled Technology
Harmonics	iTHD < 5% (Complies with IEEE 519)

Express Plus Power Block

Express Plus Power Block Input

Input Rating	3-phase, 400-480Y VAC, 310-260 A 50/60 Hz (200 kW) Optional: 3-phase, 400-480Y VAC, 255-210 A 50/60 Hz (160 kW)
Wiring	L1, L2, L3, Earth
Short Circuit Current Rating	65 kA

Express Plus Power Block Output

Max Output Power	200 kW Optional: 160 kW
Output Voltage, Charging	100 V – 1000 V
Max Current per Output	200 A, 250 A, 300 A, 350 A, 375 A
Number of Stations Served	One Power Block can serve up to 2 Power Link stations. Additional Power Blocks can be added to serve more stations or increase power output.
Maximum Power Modules per Power Block	5

Express Plus Power Block Specifications

Power Block Dimensions	2191 mm (H) x 988 mm (W) x 1039 mm (L) (7 ft 3 in x 3 ft 3 in x 3 ft 5 in)
Power Block Weight	455 kg (1000 lbs) without Power Modules
Power Block Enclosure Rating	Type 3R, IP56

Express Plus Power Link

Express Plus Power Link Output

Max Output Power	Up to 375 kW with Power Blocks
Output Voltage, Charging	100 V – 1000 V
CCS1 Max Output Current**	Option 1: 200 A with Power Blocks Option 2: 250 A with Power Blocks Option 3: 375 A with Power Blocks
North American Charging Standard J3400 (NACS) Max Output Current**	375 A with Power Blocks
CHAdeMO Max Output Current**	200 A with Power Blocks

**Availability may vary

Express Plus Power Link Specifications

Station Dimensions	See Diagrams below
Station Footprint	See Diagrams below
Station Weight	250 kg (550 lbs)
Number of Connectors	Up to 2 connectors per station
Supported Connector Types	NACS (J3400), CCS1 (SAE J1772™ Combo), CCS2 (IEC 61851-23), CHAdeMO
Cable Length*	Standard 5.8 m (19 ft) with Cable Management Kit (CMK) Optional 7.6 m (25 ft) with overhead or Tall Cable Management Kit (CMK)
Station Enclosure Rating	Type 3R, IP56, IK10
Mounting Type	Ground, Wall, Overhead

*Horizontal reach to typical vehicle charging port is 3.76 m (12 ft 4 in) with standard cable and 6m (20 ft) with optional cable. Availability of 7.6m cable varies by connector type and amperage.

Functional Interfaces

Indicators	Multicolor LEDs
LCD Display	Optional: Full color 203 mm (8 in) interactive display with full motion video, UV protection, gesture touch controls, and multi-language support
Authentication	RFID: ISO 15693, ISO 14443, NEMA EVSE 1.2-2015 (UR) Tap to Charge (NFC on Apple & Android) Contactless credit card ISO 15118-2, Plug&Charge Remote: Mobile and in vehicle (if supported by vehicle) Optional: Credit card chip reader pedestal

Connectivity Features

Local Area Network	2.4 GHz and 5 GHz WiFi (802.11 b/g/n)
Wide Area Network	4G LTE
Supported Communication Protocols	OCPP 2.0.1
Service and Maintenance	Remote system monitoring, diagnostic, and proactive maintenance

Safety and Operational Ratings

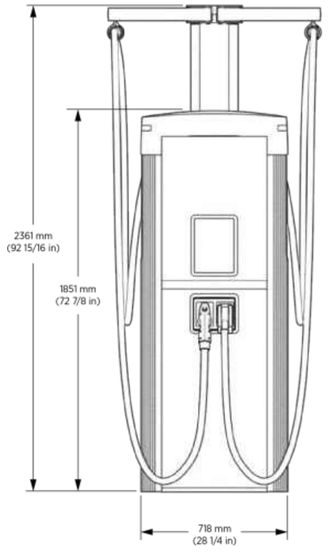
Vehicle Safety Communication	NACS: (uses CCS1 protocols) CHAdeMO – JEVS G104 over CAN, CCS1 – SAE J1772 over PLC and CCS2 — IEC 61851-23
Plug-In Detection	Power terminated per JEVS G104 (CHAdeMO), SAE J2931 (CCS1) and IEC 61851-23 (CCS2)
Safety Compliance	Complies with UL 2202, UL 2231-1, UL 2231-2, CSA 107.1 Complies with IEC 61851-1 and IEC 61851-23, Energy Star, CTEP
Surge Protection	Tested to IEC 61000-4-5, Level 5 (6 kV @ 3,000A). In geographic areas subject to frequent thunderstorms, supplemental surge protection at the service panel is recommended.
EMC Compliance	U.S and Canada: FCC 15 subpart A Class B; EU: EN55011, EN55022 and IEC61000-6-3 Class B

Generic Specifications

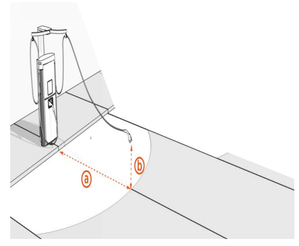
Operational Altitude	<3,000 m (<9,800 ft)
Operating Temperature	-40°C to 50°C (-40°F to 122°F) with derating
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	Up to 95% @ 50°C (122°F) non-condensing
Standard Warranty	Limited 2-Year Parts Warranty

Energy Management Features

Dynamic Power Management	Allows a fixed maximum power output per station or lets the system dynamically manage the power distribution per station.
Remote Energy Management	Manage output power via the ChargePoint Admin Portal, API, and Open ADR 2.0b VEN.



EQUIPMENT ELEVATION



The maximum reach from the station to charge port on a typical vehicle is approximately 3.76 m (12 ft 4 in) (a) at a height of 0.6 m (2 ft) (b) above the ground.

The following table provides the maximum cable reach from the station to charge port on a vehicle:

Note: The cable reach specifications for both the tall CMK and overhead CMK include the full extension of a tether cord from the CMKs, as depicted in the illustration above.

		Pedestal or wall-mount Power Link 1000		Overhead-mount Power Link 1000
CMK		Standard CMK	Tall CMK	Overhead CMK
Cable length		5.8 m (19 ft)	7.6 m (25 ft)	7.6 m (25 ft)
Cable reach	Horizontal or vertical reach	3.76 m (12 ft 4 in) Horizontal (a)	6.09 m (20 ft) Horizontal (c)	4.57 m (15 ft) Vertical (d)
	Height above ground	0.6 m (2 ft) (b)		Not applicable

CABLE REACH

STAMP

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CAMPBELL, CA. 95008 USA

PLANS PREPARED FOR

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EV CHARGING
AT

BUS PARKING LOT

CLIENT NAME

PROJECT ADDRESS

801 WILBUR AVE.,
ANTIOCH, CA 94509

PROJECT DESCRIPTION

EV CHARGING STATIONS

SHEET NAME

Equipment Specifications

DATE:	NO:	REVISIONS:	RESP:

PROJECT NUMBER

XXXXXXX

DRAWN BY:
DESIGNED BY:
APPROVED BY:
DATE:
SCALE:

SHEET NUMBER

EE801