general notes:

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR PERMITTEE TO CONTACT "UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA" BY PHONE AT 8-1-1 FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION FOR LOCATION OF POWER, TELEPHONE, OIL AND NATURAL GAS UNDERGROUND FACILITIES. CONTRACTOR OR PERMITTEE SHALL ALSO CONTACT THE APPROPRIATE AGENCY FOR THE LOCATION OF CABLE T.V., WATER, SEWER, DRAINAGE OR UNDERGROUND
- 2. THE CONTRACTOR SHALL POSSESS A CLASS A LICENSE AT THE

datum:

HORIZONTAL CONTROL FOR POINTS 8201 & 8102 AS PUBLISHED IN THE CITY OF SAN LUIS OBISPO 2007 HORIZONTAL CONTROL
NETWORK. CITY NETWORK IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) EPOCH DATE 1991.35, ZONE 5

VERTICAL CONTROL BENCHMARK NO. 53 WITH AN ELEVATION VERTICAL CONTROL BENCHMARK NO. 35 WITH AIR ELEVATION OF 134.44 FEET AS PUBLISHED IN THE CITY OF SAN LUIS OBISPO 2007 BENCHMARK SYSTEM. CITY'S BENCHMARK SYSTEM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988

project location:

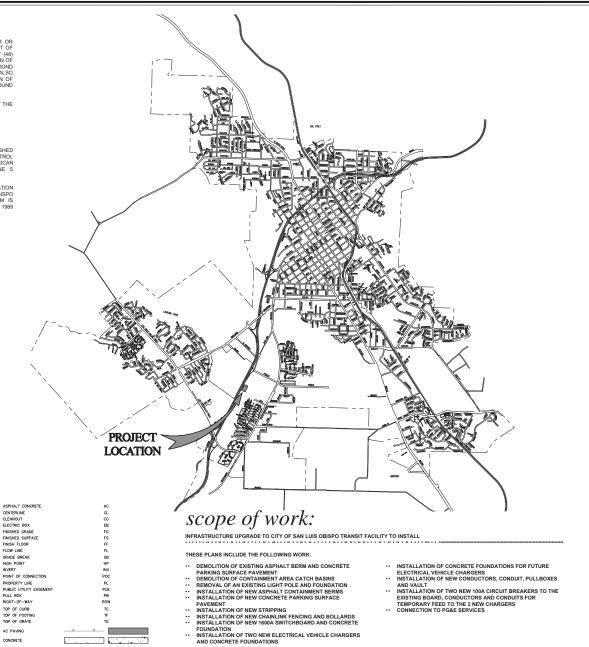
APN: 053-052-005 OWNER: CITY OF SAN LUIS OBISPO

legend:

	EXISTING	PROPOSED
PROPERTY LINE RIGHT-OF-WAY CURB	====	
CURB & GUTTER	200 F10 8 8 8 8 7 1	property.
FENCE	x	x
EASEMENT FLOWLINE		
CONTOURS	====	
WATER MAIN	w	
SANITARY SEWER LINE	—— ss ——	
STORM DRAIN LINE GAS LINE	SD	so
ELECTRIC LINE	ε	— Е —
TELEPHONE	— т —	
ELECTRIC BOX	EB	
PULL BOX	PB	PB
ELECTRIC VAULT		
EXISTING MANHOLE	0	
SANITARY SEWER MANHOLE	(8)	
STORM DRAIN MANHOLE	(0)	(D)
TELEPHONE MANHOLE	(1)	
SANITARY SEWER CLEANOUT	⊚ _{co}	
FIRE HYDRANT	8	
WATER VALVE	M	
STREET LAMP	*	•
TRANSFORMER		
POWER POLE	0	
BENCHMARK	•	

 \blacksquare

STORM DRAIN INLET



index to plans

descriptionSheet no. TITLE SHEET DEMOLITION PLAN SITE & HORIZONTAL CONTROL PLAN STRIPING PLAN TURNING TEMPLATE CONTAINMENT AREA GRADING & DRAINAGE PLAN GENERAL STRUCTURAL NOTES GENERAL STRUCTURAL NOTES STRUCTURAL DETAILS 10 SYMBOLS AND GENERAL NOTES 11 SINGLE LINE DIAGRAM 12 **EQUIPMENT ELEVATIONS** 13 ELECTRICAL SITE PLAN **ELECTRICAL DETAILS** 14 15 AGENCY STANDARD DETAILS

City Standard Specifications - August 2020 Edition City Engineering Standards - August 2020 Edition



san luis obispo county, california

TRANSIT FACILITY ELECTRIC **VEHICLE CHARGING INFRASTRUCTURE**



APPROVED BY

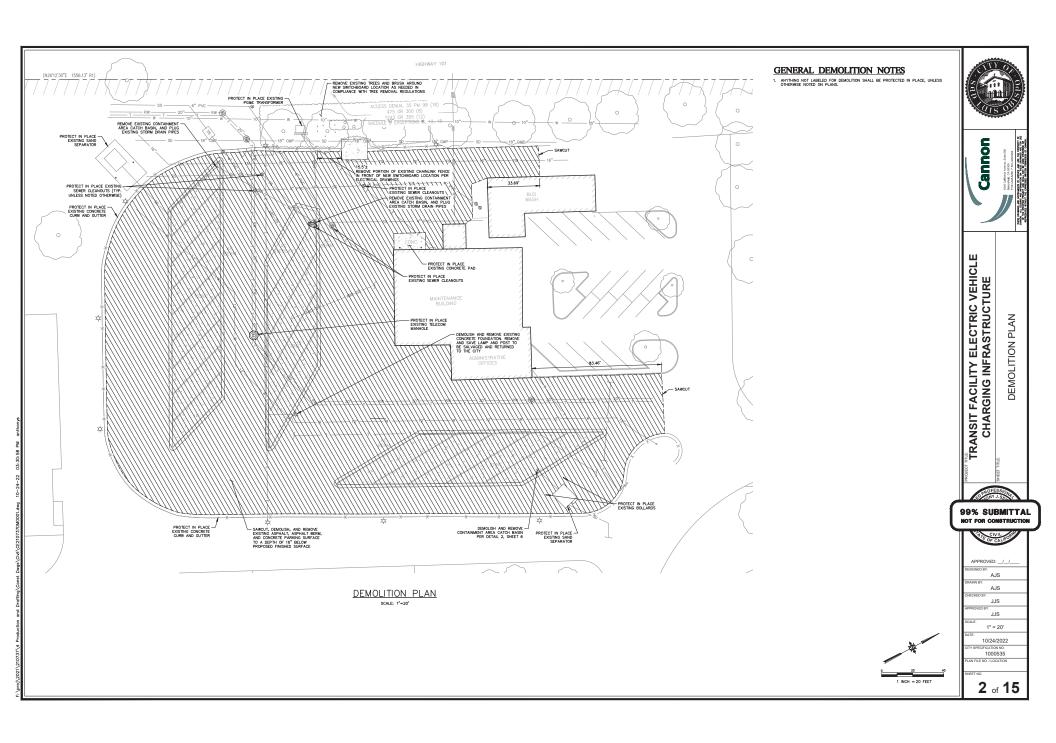
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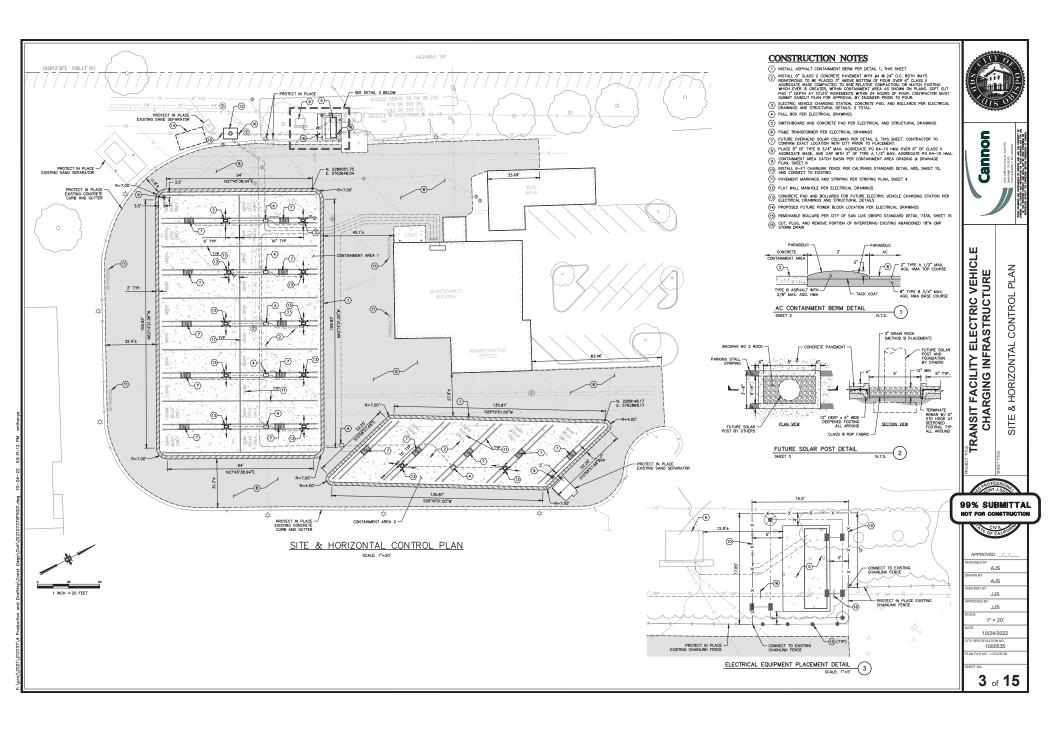
Brian Nelson, City Engineer

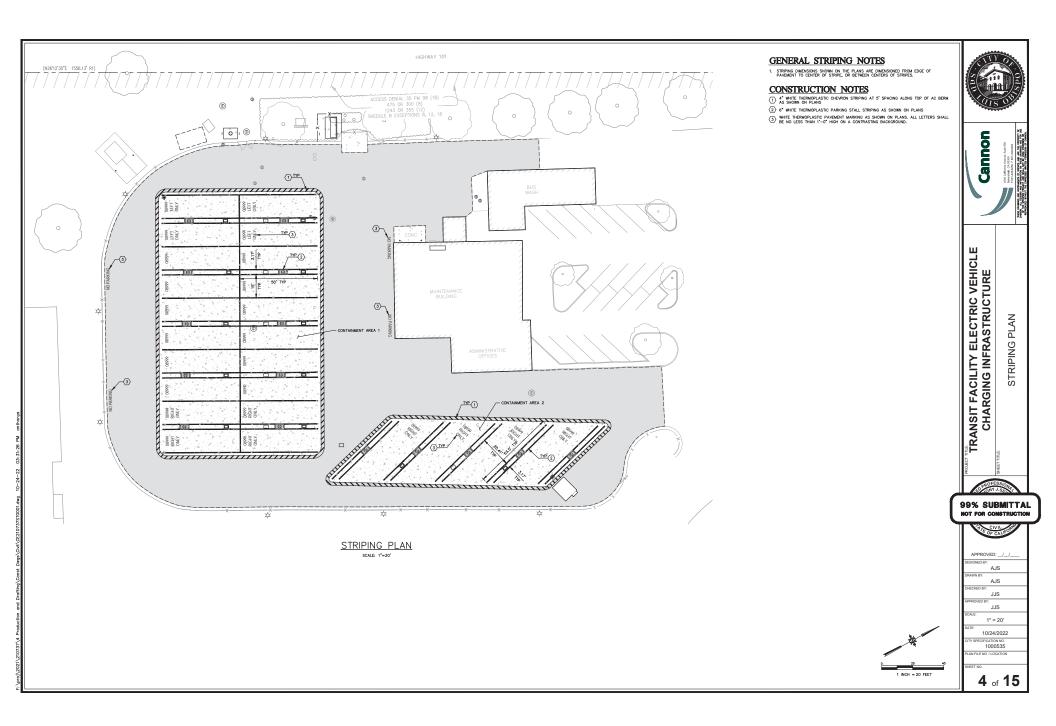
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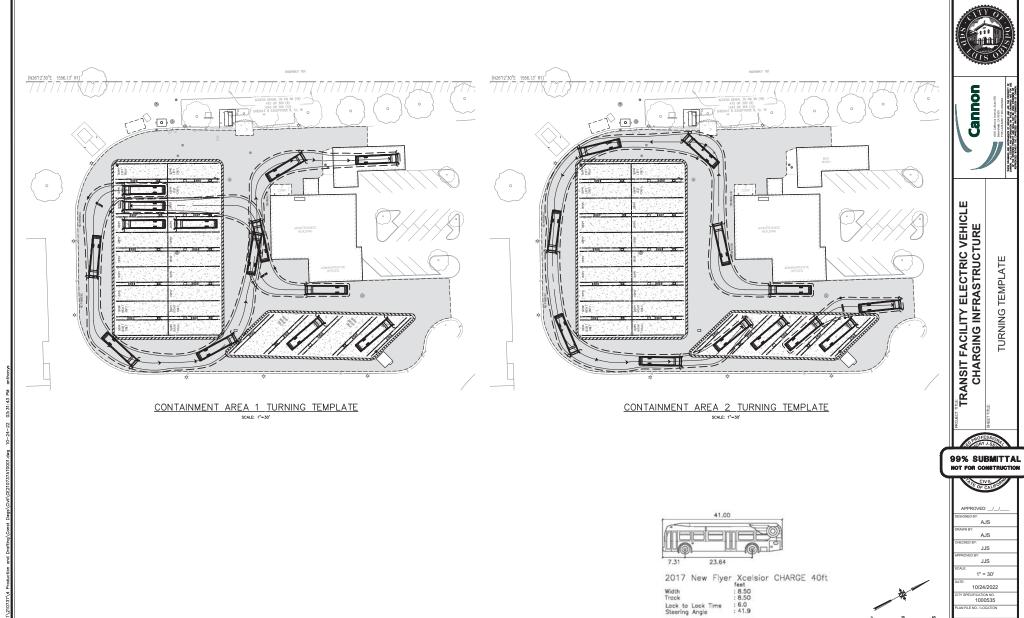
SPECIFICATION NO 1000535

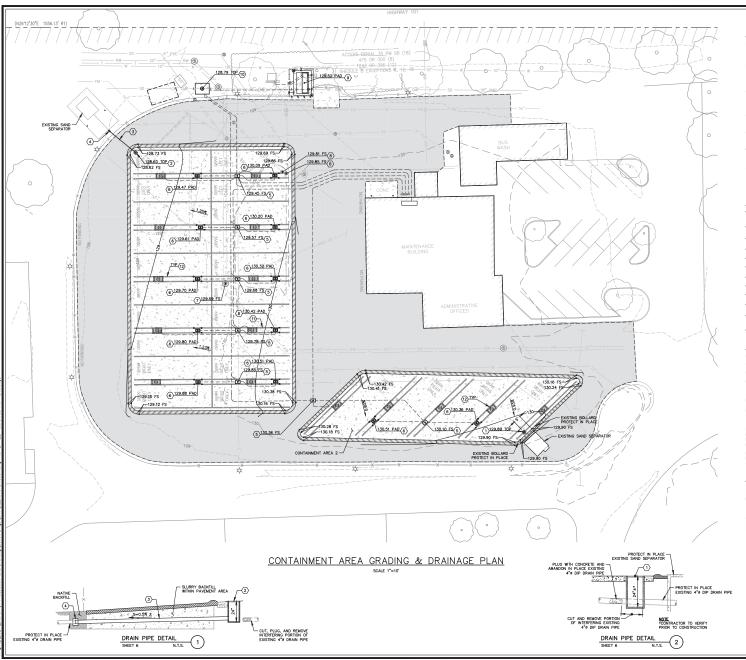
10/24/2022











GENERAL UTILITY NOTES

- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL POTHOLE AND VERIFY LOCATION AND DEPTH OF EASTING UTILITIES AND NOTIFY ENGNEER OF ANY DISCREPANCES. OCHRACTORS RAILL USE POSITIVE LOCATION METHODS PER CALLTANS PUBLICATION POLICY ON HIGH AND LOW RISK LIDERSPROGNAND FACULTES WITHIN HIGHWAY RIGHTS OF WAY. PRIVATE ON-STIE UTILITIES WILL NOTIE MARKED BY USA.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF THE DISCOVERY OF ANY UTILITY THAT WAS OMITTED FROM THE PLANS, INCORRECTLY SHOWN OR NOT PROPERLY MARKED. IF THE UTILITY DOES NOT PROVIDE LOCATION NORMATION OR MARKING SERVICES IN THE FIELD, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
- OVERHEAD UTILITIES ARE NOT SHOWN IN ALL INSTANCES. CONTRACTOR SHALL USE DUE CARE WHEN WORKING NEAR OR UNDER SAID UTILITIES AND SHALL PROTECT THEM IN PLACE.
- THE CONTRACTOR SHALL NOT INTERRUPT THE UTILITY SERVICE FUNCTION, DISTURB THE SUPPORT BASE, OR MODIFY ANY FACILITY WITHOUT AUTHORITY FROM THE UTILITY OWNER.
- EXISTING PIPELINES/UTILITIES THAT CROSS NEW SYSTEM PIPING OR SIMILAR EXCAVATIONS REQUIRED TO CONSTRUCT THE PIPING, SHALL BE PROTECTED IN PLACE, LURLESS OTHERWISE NOTED. ALL EXISTING PIPELINES/UTILITIES SHALL BE SUPPORTED ACROSS THE EXCAVATION DURING CONSTRUCTION.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER IF ANY UTILITY IS DISTURBED OR DAMAGED DURNING THE COURSE OF THE WORK. THE CONTRACTOR SHALL BEAR THE COSTS OF REPAIR OR REPLACEMENT OF ANY MARKED UTILITY WHERE DAMAGE WAS CAUSED BY THE CONTRACTOR'S ACTIVITIES.

CONSTRUCTION NOTES

- (1) INSTALL 12"x12" CONGRETE TRAFFIC RATED CATCH BASIN OVER TOP EXISTING DRAIN LINE, MATCH BOTTOM OF CATCH BASIN WITH INVERT OF EXISTING DRAIN PIPE AND REMOVE SCOTION OF PIPE WITHIN CATCH BASIN. SEE DETAIL 2, THIS SHEET.
- (2) INSTALL 12"x12" CONCRETE TRAFFIC RATED CATCH BASIN AND CONNECT TO EXISTING DRAIN PIPE PER DETAIL 1, THIS SHEET.
- 3 INSTALL 4"# DUCTILE IRON DRAIN PIPE IN OPEN TRENCH WITH 2 SACK SLURRY BACKFILL PER CITY OF SAN LUIS OBISPO STANDARD DETAIL 6020 AND PER DETAIL 1, THIS SHEET
- 4 INSTALL DUCTILE IRON TRANSITION COUPLING
- (5) SET PULL BOX LEVEL WITH THE SURROUNDING SURFACE PER ELECTRICAL DRAWINGS
- 6 SET ELECTRIC VEHICLE CHARGING STATION CONCRETE PAD 4" ABOVE THE SURROUNDING SURFACE PER ELECTRICAL AND STRUCTURAL DETAILS
- (7) RESET EXISTING TELECOM MANHOLE TO FINISHED SURFACE
- $\stackrel{-}{\left\langle \mathbf{B}\right\rangle }$ reset existing sewer cleanout LIDs to Finished surface
- SET SWITCHBOARD CONCRETE PAD FINISHED SURFACE 6" ABOVE SURROUNDING
 SURFACE
- (1) SET TOP OF FLAT WALL MANHOLE 6" ABOVE SURROUNDING SURFACE PER ELECTRICAL DRAWNOS
- (1) CONTRACTOR SHALL POTHOLE PRIOR TO CONSTRUCTION AND COORDINATE WITH THE CITY TO MOVE THE LOCATION FOR SOLAR POLE STRUCTURE IF CONFLICTS WITH EXISTING UTILITIES
- 12) FUTURE OVERHEAD SOLAR COLUMNS PER DETAIL 2, SHEET 3. CONTRACTOR TO CONFIRM EXACT LOCATION WITH CITY PRIOR TO PLACEMENT.

EARTHWORK QUANTITIES

DISTURBED AREA: 59,300 SF

CUT: 125 CY

FILL: 20 CY NET: 105 CY (CUT)

THE OFFICE OF THE DEFENDED STREET HE DIFFERENCE SETWEEN EXISTING THE OFFICE OF THE DEFENDED OFFICE O

THE ABOVE LISTED QUANTITIES ARE ESTIMATES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COMPUTING HIS OWN QUANTITIES FOR CONTRACT PURPOSES, FIELD CONDITIONS DURING CONSTRUCTION MAY VARY RESULTING IN ACTUAL EARTHWORK QUANTITIES DIFFERENT FROM THOSE ESTIMATES ABOVE.

DESIGN CONTOURS ARE SHOWN FOR REFERENCE ONLY. DESIGN ELEVATIONS SHALL BE CALCULATED PURSUANT TO THE PRECISE GRADES SHOWN.

FLOOD ZONE NOTES

THE PROPERTY IS LOCATED WITHIN A MAPPED FLOOD ZONE XB (X SHADED) AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP. LOCAL ORDINANCE REQUIRES THE ELECTRICAL SERVICE EQUIPMENT SHALL BE ELEVATED A MINIMUM OF 1' ABOVE THE HIGHEST ADJACENT GRADE.

CITY STAFF HAVE EVALUATED THE SITE AMD DETERMINED THAT THE SWITCHBOARD FOUNDATION PAD ELEVATION OF 129.52' IS SUFFICIENTLY ELEVATED.





Cannon

PLAN

DRAINAGE

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GRADING

AREA

CONTAINMENT

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General notes and typical details apply to all structural features, unless otherwise indicated.

If certain features are not fully shown or called out on the drawings or in the specifications, their construction shall be of the same character as for similar conditions.

b. The construction documents represent the finished structure and do not indicate methods, procedures or sequence of construction. It is the responsibility of the Contractor to take necessary precautions to maintain and ensure the integrity of the structure during construction. The Contractor shall provide all measures necessary to protect life and property during

5. The Contractor shall be responsible for coordinating the work of all trades and shall check all dimensions and holes and openings required in structural members. All discrepancies shall be called to the attention of the Structural Engineer and shall be resolved before proceeding with the work.

Prior to submitting shop drawings and product data, the Contractor shall verify that the submittals meet the requirements of the drawings and specifications. The contractor shall specifically note any exceptions to these requirements with the submittal.

Openings, pockets, etc. shall not be placed in structural members unless specifically detailed on the structural drawings. Notify the Structural Engineer when work requires openings, pockets, etc. in structural members not shown on the structural drawings.

8. Where the general notes and the typical details are in conflict with the specifications, the general notes and typical details shall govern. Notes and details within these drawings take precedence over General Notes.

Construction materials shall be spread out if placed on slabs, floors o roofs. Load shall not exceed the design live load per square foot. Pro adequate shoring where overload is anticipated.

10. Unless specifically shown or noted on the structural drawings, anchor bolts or insets for equipment anchorage or installation shall be designed by a CiVI or Structural Engineer registered in the state of California, and shall be shown on the architectural, mechanical and/or electrical drawings. Connections of flems supported by the structure are the responsibility of the disciplines who are making these attachments. These attachments shall be designed to resist gravity, which, celling, therein loads, etc.

11. All correspondence shall go through the Prime Consultant

EXISTING UNDERGROUND UTILITIES

It is the responsibility of the Contractor to locate existing utilities whether shown hereon or not, and to protect them from damage. The location of any existing underground utilities shown on the drawings, if any, is approximate.

The Contractor shall be responsible for any damage which may result from his failure to locate and preserve all existing underground utilities.

DIMENSIONS

Do not scale drawings. Drawing scales given are approximate. Discrepancies shall be conveyed to the Structural Engineer and be resolved prior to proceeding.

The Contractor shall review and verify all dimensions prior to starting construction. The Engineer shall be notified immediately of any discre-or inconsistencies.

PROJECT DESIGN CRITERIA

2. Risk Category: II

3. Wind Design Data

Design Method: Exposure Category: Basic Wind Speed (3-sec. gust), V_{ult}: Internal Pressure Coefficient, GC_{pt}: Envelope Method

4. Earthquake Design Data:

Seismic Importance Factor, I_c: Mapped Spectral Response 1.0 S_S Site Class: Spectral Response Coefficients

EXISTING CONDITIONS

1. Work shown is new unless noted as existing: (E).

Existing construction shown on these drawings was obtained from site investigation and can be used for bidding purposes. The contractor shall verify all existing job conditions, review all drawings and verify dimensions prior to construction. The contractor shall notify the Engineer of all discrepancies and exceptions before proceeding with the work.

3. The removal, cutting, drilling, etc. of existing work shall be performed with core in order not to jeopardize the structural integrity of the structure. If structural members or mechanical, electrical or architectural features not indicated for removal interfere with the new work, notify the Engineer immediately and obtain approved before removal of members.

The Contractor shall safely shore existing construction wherever existing supports are removed for the new work.

The Contractor shall perform the work with minimal inconvenience to the owner and without interruption of day—to—day work operations. The Contractor shall ensure safe travel of persons around areas of construc and shall coordinate all operations with the Owner or the Owner's agent

The Contractor shall promptly repair any damage caused during operations, using materials and workmanship similar to that which was damaged.

All removed items, materials and debris, unless otherwise noted, shall be removed promptly from the site and disposed of in a legal manner.

8. Do not core or cut new openings in existing concrete or macrony without specific approved of the Structural Engineer. Submit dimensioned (sypat of all proposed new openings to the Structural Engineer or review and appropriate to coring or cutting openings. The Contractor, at their own expense, shall use non-destructive methods to locate estating reinforcing. Existing reinforcing shall not be out without specific approval of the Structural Engineer.

GEOTECHNICAL DATA

No geotechnical report is provided for the project. Design of foundation is based on minimum requirements per Section 1806 of the CBC.

2. Foundation Type: Conventional spread foundation, CIDH PILES.

ISOLATED FOOTINGS DL + LL DL + LL + Wind or Seismic ALLOWABLE BEARING PRESSURES 1500 psf 2000 psf

LATERAL RESISTANCE Passive Pressure Coefficient of Friction

All footings shall bear on compacted undisturbed soll. Depth of footings shown on the drawings are minimum, and the bottom of footing shall be lowered as required to remove soft or loose materials.

REINFORCING STEEL

All portions of work pertaining to concrete reinforcing construction shall conform to the California Building Code, Chapter 19, ACI Standard 318, and other referenced documents.

Reinforcing Steel: ASTM A615 grade 60. ASTM A706 where welded or otherwise indicated.

All reinforcement shall be continuous. Stagger splices where possible. Laps shall be per typical details, unless noted otherwise.

All reinforcing bar bends shall be made cold. Reinforcing bars shall not be re-bent without approval of Structural Engineer.

Reinforcing steel shall be clean, free of excessive rust, grease, oil or other material likely to impair bond.

6. Minimum clear concrete cover for reinforcement, unless noted otherwise:

A. Mild Reinforced Concrete:

Cost against earth: 3 inches
Cost in forms and exposed to earth or weather:
#6 bar and larger: 2 inches
#6 bar and smaller:
Not exposed to earth or weather: 1½ inches Slabs and walls (#11 and smaller):

Beams, airders, and columns (to ties): Clearances are to closest reinforcement.

POST-INSTALLED ANCHORS

1. Post-Installed anchors include all adhesive anchors (reinforcing bar dowels and threaded rods) expansion anchors, screw anchors and undercut anchors set in holes drilled in existing concrete or masonry.

Installation of post—installed anchors shall conform to all requirements of the applicable code evaluation or IAPMO reports and manufacturers'

3. Mark the location of all existing reinforcing in the substrate material within 12° of the proposed locations of all post-installed anchors. Natily the tensor of the post-installed anchors in the property of the property of the property of the property of any steel and prior to any the analysis priority and the existing reinforcing.

4. Holes for adhesive anchors in concrete shall be drilled. Cored holes are not

Expansion Anchors in Concrete or Approved Equal, UNO: A. HILTI "Kwik-Bolt TZ" ICC ESR-1917.

CONCRETE

All portions of work pertaining to concrete construction shall conform to the California Building Code, Chapter 19, ACI Standard 318, and other referenced

2. All concrete shall be ready-mix in accordance with ASTM C94.

Cement: ASTM C150 Type II. Where concrete is placed against soils that contain high levels of sulfides, use Type V cement.

Aggregate: ASTM C33. Aggregate for normal weight concrete shall conform to ASTM C=33.

5. Non-shrink Grout: ASTM C1107, premixed, non-staining, non-shrink grout.

Admixtures shall be approved by Structural Engineer prior to use. Calcium chloride or admixtures containing chloride(s) shall not be used.

7. Provide aggregates that do not contain any substance which may be deleteriously reactive with the disclass in the cement. Fine and coarse aggregates shall be tested in accordance with ASTM C1260. Should the test data indicate potentially reactive aggregate, reject the aggregate(s) or perform additional testing using ASTM C169.

Concrete mixes shall be designed by a qualified testing laboratory. Mix designs shall conform to ACI 318, Chapter 5, Sec. 1905, & 1904. Mixes are to be reviewed by owner's testing lab and submitted to the Architect/Engineer for approval. Do not cast concrete without approval by Architect/Engineer for approval.

Max Agg. Max W/C Size 1½"

All concrete shall be hard rock aggregate, regular—weight concrete, 145 pcf,

Moximum slump shall not exceed 3" +/- 1" for footings, slabs on grade, and 4" +/- 1" for other concrete. Slump limitations noted shall apply to concrete mix prior to the addition of any water-reducing admixtures or super-plasticizers.

Placement of concrete shall conform to ACI 304. Clean and roughen (by sandblasting, bushammer, or other approved method) to X^{**} amplitude for all concrete surfaces against which concrete is to be placed.

11. Concrete shall be placed in accordance with ASTM C94 and ACI Standard

12. When cold weather conditions exist, place concrete in compliance with ACI 305. When hot weather conditions exist, place concrete in compliance with ACI 306. In hot conditions, reinforcing shall be kept cool during concrete

13. Location of construction joints not specified in these drawings must be reviewed by the Structural Engineer. Concrete slib on grade shall have control joints as shown on the foundation join. Where construction/crock control joints are not specified, provide at a roughly square pattern with segments not exceeding 150 square feet in orea.

Dry pack or place non-shrink grout under base plates, sill plates, etc., as required for full bearing.

15. All reinforcing bars, anchor bolts and other concrete inserts shall be secured in position prior to placing concrete. Stabbing of anchor bolts or reinforcing into wet concrete is not allowed.

16. Provide sleeves for plumbing, mechanical, and electrical openings in concrete before placing. Do not cut any reinforcing which may conflict. Coring in concrete is not permitted except as shown. Notify the Structural Engineer, in advance, of conditions not shown on the structural drawings.

Conduits or pipes shall not be embedded within a slab, wall, beam, concrete fill over metal deck, or column, unless noted otherwise.

FOUNDATIONS

When shown, the elevations of foundations indicate the estimated minimum foundation depths. Elevations shown are for bidding purposes only and are assumed to be in suitable bearing material.

The Contractor shall be solely responsible for all excavation procedures, including lagging, shoring and protection of adjacent property, structures, streets and utilities in accordance with the local jurisdiction.

3. Dewater excavations as required to maintain dry working conditions.

4. Excavations shall be properly backfilled. Do not place backfill behind retaining walls before concrete and/or masonry has attained specified 28-day compressive strength. Contractor shall brace or protect building and pit walls below grades from lateral loads until supporting floors and or roofs are in place and have attained full strength.

All abandoned footings, utilities, etc., that interfere with new construction, shall be removed.

The bottom of footings shall be level. Changes in footing elevations shall be made utilizing the TYPICAL STEP IN FOOTING detail, when included within these drowings.

7. Center footings under walls or columns unless otherwise indicated on these

Avoid footing penetrations and trenching near footings. Where unavoidable, see TYPICAL PIPE AND TRENCH detail, when included within these drawings

9. Embedded items must be tied in place prior to foundation inspection

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ADDREVIA HONS				
a	Number or Pound			
# &c	And	IBC		
∠ or L	Angle	ICC		
9	At	ID		
ABV.	Above	INFO		
AB	Anchor Bolt	INT.		
ADDL.	Additional			
AISC	American Institute of Steel	JST.		
	Construction	JT.		
ALT.	Alternate			
APA	American Plywood Association	KSI		
APPROX.	Approximate			
ARCH.	Architectural, Architect	LL		
ASTM	American Standards of Testing	LLH		
	and Materials	LLV		
		LON		
BLDG.	Building	LOC		
BLK.	Block, Blocking	LS		

LLH LLV LONG. LOC. LS LTWT Location Lag Screw Light Weight Below Beam Boundary Nailing Bottom of Bottom Bearing Both Sides MAX. MB MECH. MFR. MIN. MISC.

Cantilever California Building Code Chord
Cast-in-place
Construction or Control Joint
Complete Joint Penetration
Center Line
Ceiling
Clear Chord OC OD OH OPNG.

Ceiling Clear Concrete Masonry Unit Column Concrete Connection Connection Continuous Coordinate Countersink Center

Nail Penny Size

Diameter
Deformed Bar Anchor
Double
Detail QTY. Detail Douglas Fir Diagonal Dimension Decking Dead Load RAD. REINF REQ. RET.

DL DO. DWG. (E) EA. EF EJ ELEV., EL EMBED. Existing Existing
Each
Each Face
Expansion Joint
Elevation
Embedment

CANT. CBC CHD. CIP CJ CJP

DBA DBL. DET. DF DIAG. DIM. DKG.

Embedment
Edge Nall, End Nall
Edge of
Edge of Concrete
Equal
Equipment
Each Side
Each Way
Expansion
Exterior EMBED. EN EO EOC EQ. EQUIP. ES EW EXP. EXT.

Concrete elements shall reach specified 14-day compressive strength before being loaded, UNO.

Finish
Floor Joist
Floor Fled Nail
Face of Concre
Face of Masonr
Face of Stud
Framing
Far Side
Foot, Feet
Footing

FJ FLR. FN FOC FOM FOS FRMG FS FT. FTG. GA. GALV. Gauge Galvanized Grid Line GL. GLB GWB

Foundation Finish Floor Finish Grade Finish

Glued-laminated Beam Gypsum Wall Board Holdown Hot Dipped Galvanized

Header Hanger Horizontal High Strength Bolt Hollow Structural Section

International Building Code International Code Council Inside Diameter Information

Kins per Square Inch Long Leg Horizonta Long Leg Vertical Lonaltudinal

Maximum Machine Bolt Mechanical Manufacturer Minimum Miscellaneous

New Near Side Not to Scale Normal Weight

On Center Outside Diameter Opposite Hand Opening Powder-Actuated Fastener Perpendicular Pre-Engineered Mtl. Bldg.

Pre-Engineered Mtl. Bldg.
Plate
Pounds per Linear Foot
Plywood
Portlal Joint Penetration
Pounds per Square Foot
Pounds per Square Inch
Pressure Treated
Puddle Weld

Quantity

See Architectural Drawings Schedule Sheet Sheathing

SAD SCHD. SHTG. SHTG. SIM. SMD SMS SOG SPEC. SQ. SS SS STD. STIFF. STRUCT STRUCT STRUCT STRUCT STRUCT STRUCT STRUCT SW SYM. Sheathing
Similar
See Mechanical Drawings
Sheat Metal Screw
Slab on Grade
Specification
Square
Stainless Steel
Standard
Staggered
Stiffener
Steel Steel Structural Stringer Shear Wall Symmetrical

T&B
T&G
TEMP.
THRU.
TN
TO
TOB
TOC
TOG
TOS
TOW
TRANSV.
TYP. Top and Bottom Tongue and Groove Temporary Temporary
Through
Toe Nail
Top of
Top of Beam
Top of Concrete
Top of Grating
Top of Steel
Top of Wall

Transverse Typical

UNO

WWF w/o

VERT. VIF Welded Wire Fabric Without Work Point Washer



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99% SUBMITTAL NOT FOR CONSTRUCTION

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APPROVED: / /

10/24/2022 1000535 NO. / LOCATION

- 3. Shop drawings shall indicate the date or revision of drawing(s) from which the drawings were prepared. Submittals that do not identify the latest date or revision of drawing(s) will be returned without review. Only shop drawings that are complete will be accepted for review.
- If, after review, the shop drawings must be revised and resubmitted, the shop drawings shall identify each revision and/or addition by clouding or other means to assure proper review.
- Submittals will not be accepted directly from subcontractors. Submittals will be accepted from the General Contractor only after being reviewed and requirements of the construction documents. Submittals not complying with the requirements of the construction documents. Submittals not complying with the requirements noted above or in the specifications will be returned without review.
- Submittals shall include those indicated on the following list as well as any other items indicated in the specifications. This list is provided for convenience only and may not incorporate all requirements indicated in the project specifications.

FARTHWORK

- Laboratory analysis for each soil material proposed for fill and backfill from on-site and borrow sources.
- Optimum moisture—maximum density curve for each soil material used as fill, subgrade, subbase, or base course.

CONCRETE FORMS AND ACCESSORIES

Shop drawings indicating pertinent dimensions, materials, bracing, and arrangement of joints and ties.

CONCRETE REINFORCEMENT

- Shop drawings complying with the requirements of ACI SP-66. include bar schedules, shapes of bent bars, spacing of bars, and location of splices.
- Manufacturer's Certificate: Certify that reinforcing steel and accessories supplied for this project meet or exceed specified requirements.
- Welding procedure specifications (WPSS) for each unique type of weld of reinforcing steel, characterized by (position, process, size, material).
- Product data and Code Evaluation Reports for the following products: Mechanical couplers, deformed bar anchors, and headed reinforcement
- Reports: Certified copies of mill test reports for each heat of reinforcing provided to the project, documenting compliance with the applicable ASTM specification, including chemical analysis, tensile tests and bend tests.

CAST-IN-PLACE CONCRETE

- Mix designs and test data for concrete mixes, at least 15 days prior to intended placement. Mix design submittals shall include, as a minimum, the

- A. List of materials proposed weights and volumes of each material per color year.

 Quick year.
- cement.

 F. Laboratory test reports from trial batches of field experience, as
- applicable for the specific mix proposed for use.

 G. The mix design shall be signed by a Professional Engineer licensed in the state of California.
- Product data, material safety data sheets (MSDS) and Code Evaluation Reports, as applicable, for proprietary materials and Items, including curing compounds, epoxy resins, surface treatments and proprietary anchoring systems.
- 3. Drawings indicating proposed locations of construction joints and control
- 4. Description of curing methods proposed and products to be employed.

POST-INSTALLED ANCHORS

- Product data and Code Evaluation Reports for anchors proposed as alternatives to those specified.
- 2. Preparation instructions and recommendations.
- 3. Installation methods.
- 4. Storage and handling requirements and recommendations.

STATEMENT OF STRUCTURAL OBSERVATION

Structural Observation is not required by Chapter 17 of the California Building Code.

STATEMENT OF SPECIAL INSPECTIONS

Tests and inspections indicated on the drawings are required for this project. The tests and inspections indicated here are the responsibilities of the Owner's Special Inspector, as required by Chapter 17 of the California Building Code.

- The Special Inspector shall observe the work assigned for conformance with the approved design drawings and specifications.
- The Special Inspector shall furnish inspection reports to the building official, the Architect/Engineer and other designated persons. All discrepancies shall be brought to the immediate attention of the Contractor for correction, then, if uncorrected, to the proper design authority and to the building official.
- 3. The Special Inspector shall submit a final signed report stating whether the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and applicable standards of quality and workmanship of the CBC.
- The contractor shall hold a pre-construction meeting involving the Architect, Structural Engineer and the Special Inspector in order to discuss the specific requirements of this project.
- 5. See project specifications for additional requirements

CONCRETE

CONCRETE REINFORCEMENT AND CAST-IN-PLACE ANCHORS

- 1. Reinforcing Steel Placement. Verify the following:
- A. The reinforcing grade, size, number, location, and bend detailing are as shown on the drawings and are in acceptable condition.
- B. All required devices have been properly installed to secure the reinforcement in place during the placement of concrete.
- Installation of Cast—in—Place Anchors and other embedments. Verify the following:
- B. The anchor diameter, length, type, grade, and depth of embedment into the concrete
- C. All required items have been properly installed to secure the embedded item during placement of concrete.

CAST-IN-PLACE CONCRETE

- 1. Placement of concrete. Verify the following:
- The concrete delivered to the job has been prepared with the approved mix design appropriate for the application and is transported and placed within the time and under the conditions permitted by ASTM C94 and the project specifications.
- B. The concrete is placed, consolidated, and finished as indicated on the drawings.
- C. Test specimens are taken and cured as indicated in the project
- Sampling of Fresh Concrete: ASTM C 172, except as modified for slump to comply with ASTM C 94.
- A. Slump: ASTM C 143; one test at point of placement for each set of compression test specimens; additional tests when concrete consistency seems to have changed.
- Concrete Temperature: ASTM C 1064; One test hourly when air temperature is 40 degrees Fahrenheit and below or 80 degrees Fahrenheit and above, and one test for each set of compressive-strength specimens.
- C. Compression Test Specimens: ASTM C 31; One set of four standard cylinders for each compressive-strength test, unless otherwise directed. Mold and store cylinders for laboratory—cured test specimens except when field—cured test specimens are required.
- D. Compressive—Strength Tests: ASTM C 39; One specimen shall be tested at 7 days, one specimen tested at 14 days, and two spec at 28 days. and one specimen retained for later testing if require
- E Fraguency of tests: A minimum of one set of cylinders shall be tested for ony find/dual structure or each days placement of a class of concrete exceeding 25 cu. yd. An additional set of cylinders shall be tested for each 100 cu. yd. of each class of concrete. When frequency of concrete, conduct testing from at least five randomly selected bothers or form each both if fewer than five crue used.
- 3. Provide continuous inspection during concrete placement.
- 4. Verify maintenance of specified curing temperature and techniques. Test Panels.

POST-INSTALLED ANCHORS

- 1. Verify the following:
- A. The specific manufacturer and model of anchors have been approved for the application by the Architect/Engineer.
- The holes are drilled at the angle required and of the diameter and depth required.
- C. The holes are clean prior to installation of the anchors.
- D. The adhesive packaging indicates an expiration date and that the expiration date has not passed.

- E. The adhesive is mixed properly and that the initial portion of adhesive coming out of the nozzle is wasted, as required by the manufacturer.
- F. The anchors are installed according to the manufacturer's
- 2. Perform tests of anchors according to ASTM E 488 and as follows:
- Test ten percent of each application of anchors to the tensile or torque proof load as indicated on the drawings.
- B. One application of anchors or dowels shall be defined as those anchors or dowels installed by a single crew in a single day.
- C. Test locations are random at the discretion of the testing lab, unless otherwise directed by the Architect/Engineer.
- D. Tension test loads shall be maintained for a minimum of two minutes.
- Tension Test criteria: Anchor displacement at the end of the loading period shall be limited to one—fifth of the nominal anchor diameter. Displacement following release of load shall return to zero.
- Torque Test criteria: Test torque must be reached within a half turn of the nut, except for %" diameter anchors, for which test torque must be reached within a quorter turn of the nut.
- If any anchor falls the test, test all anchors in the same application not previously tested until 10 consecutive anchors pass.
- Adhesive dowels in horizontal or upwardly inclined orientations require continuous special inspection and shall be performed by personnel certified by an applicable certification program in accordance with ACI 318-14 17.8





VEHICL TURE ELECTRIC ' FACILITY IN INGINE TRANSIT I CHAR

NOTES

STRUCTURAL

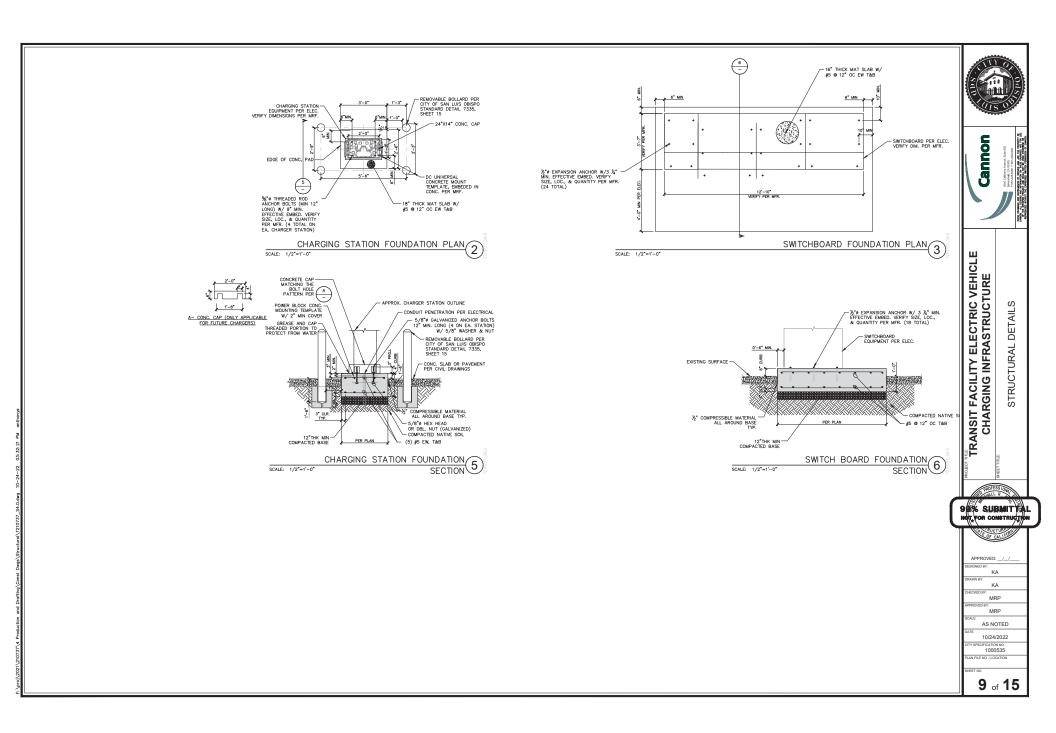
GENERAL

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APPROVED: / / KA ΚΔ MRP MRP

> AS NOTED 10/24/2022 1000535



AUTOMATIC
AMERICAN WRE GAUGE
AUTOMATIC WELL TESTER
BARE COPPER
BUILDING

MAGNETIC STARTER
MOUNTED
NEW
NORMALLY CLOSED
NOR FUSED
NIGHT LIGHT
NORMALLY OPEN
NAMEPLATE
NOT TO SCALE
OPEN/CLOSE (STATUS)
POLE
PULL ROX

POTENTIAL TRANSFORMER POLYVINYL CHLORIDE (DUCT)

RELAY RECEPTACLE RIGID GALVANIZED STEEL CONDUIT

POLE PULLBOX
POWER FACTOR
POWER FALL RELAY
PHASE PIPING AND INSTRUMENTATION DIAGRAM
PROCRAMMABLE LOGIC CONTROLLER

ROOM
ROOT MEAN SQUARE
REMOTE TERMINAL CABINET
REMOTE TERMINAL CABINET
REBUCED VOLTAGE SAUD STATE
SHORTING CONTACTOR
SHORTING COUNTACTOR
SUPERVISED CONTROL AND DATA ACQUISITION
SQUITERN CALIFORNIA EDISON

SHEET
SPACE
SUCTION PRESSURE SWITCH
SOLID STATE REDUCED VOLTAGE STARTER
STAINLESS STEEL
SHELDED TWISTED PAIR
SOLENDID VALVE
SWITCH

SOLENDO VALVE
SOLENDO VALVE
SINCHEROCAL
SINCHEROCAL
TERRICAL
TERRI

VALYS ACTOR
VALYS CLOSED LIMIT SWITCH
VOLTS DC
VARIABLE FREQUENCY DRIVE
VALIMETER
VARIABLE FREQUENCY DRIVE
VALIMETER
VARIABLE FREQUENCY BRIVE
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T AMPERE TS AC

BARE COPPER
BOOSTER PUMP STATION
BARE STRANGED COPPER
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COMPACT
COMP DOWN
PUMP DISCHARGE PRESSURE SWITCH
DOOR SWITCH
DRAWING RAWING XHAUST FAN

ELECTRICAL
ELEVATION
EMERGENCY
ELECTRICAL METALLIC TUBING ELECTRICAL METALLIC 1
EQUIPMENT
ELAPSED TIME METER
EXISTING
FUTURE
FIRE ALARM
FINISH TULL LOAD AMPERES

FULL VOLTACE STAFTER
GALVANIZED
GROUND FALT INTERRUPTER
GROUND FALT INTERRUPTER
GROUND FALT INTERRUPTER,
GROUND FALT INTERRUPTER,
WEATHERPROOF
HIGH NITEMSTY DISCHARGE (LAMP)
HORSEPOWER
HAND-OFF-AUTOMATIC
HORSEPOWER
HAND-OFF-AUTOMATIC
HOR PRESSURE SODIUM (LAMP)
HIGH PRESSURE SODIUM (LAMP)
HIGH TOUTAGE
HERTZ

INTRINSICALLY SAFE RELAY
JUNCTION BOX
THOUSAND CIRCULAR MILS (OR MCM)
KILOVOLT
KILOVOLT AMPERE
KILOVOLT AMPERE
KILOVOLT AMPERE REACTIVE
KILOVOLT AMPERE KILOWATT
LONG CONTINUOUS LOAD
LINE CURRENT RELAY
LOCAL-OFF-REMOTE SWITCH
LOCK-OUT-STOP PUSHBUTTO
LIGHTING PANEL
LEVEL RELAY
LOCKED ROTOR AMPS
LINEAR ROD PUMP
LIMIT SWITCH
LIGHTING

LIGHTING
LIGHT SWITCH (PRESSURE SWITCH TYPE)
LOW VOLTAGE
LINE VOLTAGE RELAY MILLIAMPERE MOTOR CONTROL CENTER MOTOR CIRCUIT PROTECTOR MEDIUM FLOW

ELECTRICAL LEGEND			
EXISTING	PROPOSED		
0	0	UTILITY POLE	
	$\overline{}$	CONDUIT RUN EXPOSED	
		CONDUIT RUN UNDERGROUND OR UNDERFLOOR	
12KV	12KV	12KV OVERHEAD WIRES	
480V	480V	480V OVERHEAD WIRES	
e	e	BARE COPPER GROUND WIRE UNDERGROUND OR UNDERFLOOR	
		CONDUIT TURNED UP	
		CONDUIT TURNED DOWN	
-		CONDUIT STUB OUT	
$\sim\sim$	SEALTIGHT FLEXIBLE CONDUIT		
LP-7	HOMERUN TO PANEL "LP", CIRCUIT "7"		
3/4"C-3#10	INDICATES CONDUIT SIZE, NUMBER AND SIZE OF CONDUCTORS		
	1/2°C-3#12, 1#12	GND.	

COMMERCIAL FLUORESCENT LIGHTING FIXTURE .B-☆-

POLE MOUNTED PARKING LOT LIGHTING FIXTURE.
SEE FIXTURE TYPE 'A' ON LIGHTING SCHEDULE, SHEET E-003.
'NL' NEXT TO SYMBOL INDICATES NIGHT LIGHT. POLE MOUNTED STREETSCAPE LIGHTING FIXTURE SEE FIXTURE TYPE 'B' ON LIGHTING SCHEDULE, SHEET E-003. 'NL' NEXT TO SYMBOL INDICATES NIGHT LIGHT. О WALL MOUNTED LIGHTING FIXTURE SINGLE POLE TUMBLER SWITCH, 20A-277V, WALL MOUNTED AT +48" OR AS NOTED SUBSCRIPT "a" IDENTIFIES CIRCUIT CONTROLLED - HUBBELL NO. 1221 Sa

204-125V 2 POLE 3 WIRE NEWS 5-20R DURIES RECEPTACLE MOUNTED AT 15" ABOVE FLOOR (UNO) - HUBBELL NO. 5362 20A-125V, 2 POLE 3 WIRE, NEMA 5-20R GROUND FAULT INTERRUPTER.

/3/ () MOTOR WITH ADJACENT J-BOX, NUMBER INDICATES 0 100AF 100AT 3P

CIRCUIT BREAKER, 100 AMP FRAME, 100 AMP TRIP, 3 POLE

CIRCUIT BREAKER, 1200 AMPERE FRAME, 3 POLE

囱

 \Box

FUSIBLE DISCONNECT SWITCH

OR T TRANSFORMER, DESCRIPTION AND RATING AS SHOWN ON DRAWING 300/5 € CURRENT TRANSFORMER, 300A TO 5A RATIO 36

POTENTIAL TRANSFORMER (PT) OR CONTROL POWER TRANSFORMER MAGNETIC MOTOR STARTER, 3 POLE, NUMBER DENOTES SIZE

 \dashv ^{\perp} VARIABLE FREQUENCY DRIVE

> DISCONNECT SWITCH - UNFUSED, NEMA 1, HORSEPOWER RATED MANUAL DISCONNECT SWITCH, MOTOR RATED

Ф E 20AF OR 300A

DISCONNECT SWITCH - FUSED, NEMA 3R, HORSEPOWER RATED, FUSE SIZE INDICATED BY ADJACENT NUMBERS

• LOCAL CONTROL STATION PM POWER MONITOR Д GROUND CONNECTION

GROUND ROD, 3/4" DIA X 10"-0" LONG COPPER CLAD ⊛ GROUND ROD W/ TEST WELL, 3/4" DIA X 10'-0" LONG COPPER CLAD

GROUNDING CONNECTION, MECHANICAL ABOVE GROUND, COMPRESSION UNDERGROUND.

EXISTING CONDITIONS NOTES

- ANY INFORMATION SHOWN ON THE PLANS FOR EXISTING CONDITIONS WAS PRIMARLY CAMED FROM "AS BUILT FORWINGS AND/OR LIMITED FIELD WISSTGATION. BEFORE ALLOWANCE FOR WASHIONS FROM HAT SHOWN. CONTRACTOR SHALL ALSO FIELD VIETEY AND TAKE ALL DUE PRECAUTIONARY WEAKS TO PROTECT ALL UNDERSOUND LINES, MIRROW AND STRUCTURES RECORDERS 'S MORNON OR NOT ON THE DORWINGS.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL POTHOLE AND VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 3. THE CONTRACTOR SHALL NOTFY THE ENGINEER IMMEDIATELY OF THE DISCOVERY OF ANY UTILITY OR ANY UNDERGROUND LINES, WENNE AND STRUCTURES THAT WAS OMITED FROM THE PLANS, HOOSPECTLY SHOWN OR NOT FOREPLY MARKED. IF THE UTILITY DOES NOT PROVIDE LOCATION INFORMATION OR MARKING SERVICES IN THE PLED, THE CONTRACTOR SHALL MANEDIATELY NOTIFY THE ENGINEER.
- 4. THE CONTRACTOR SHALL NOT INTERRUPT THE SERVICE FUNCTION OF ANY UTILITY OR FIELD PRODUCTION EQUIPMENT, DISTURB THE SUPPORT BASE, OR MODIFY ANY FACILITY WITHOUT AUTHORITY FROM THE UTILITY OWNER AND/OR CITY OF SAN LUIS OBISPO.
- EXISTING PIPELINES/UTILITIES THAT CROSS NEW SYSTEM PIPING OR SIMILAR EXCAVATIONS REQUIRED TO CONSTRUCT THE PIPING, SHALL BE PROTECTED IN PLACE, UNLESS OTHERMSE NOTED, ALL EXISTING PIPILINES/UTILITIES SHALL BE SUPPORTED ACROSS THE EXCAVATION DURING CONSTRUCTION.
- 6. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER, CITY OF SAN LUIS CHISPO IF ANY UTILITY OR UNDERFORMED LINES, WIRING AND STRUCTURES ARE DISTURBED OR DAMAGED DURNO THE COURSE OF THE WORK. THE CONTRACTOR SHALL BEAR THE COSTS OF REPAIR OR REPLICAMENT OF ANY MARKED UTILITY WHERE DAMAGE WAS CLUSED BY THE CONTRACTOR'S ACTIVITIES.

NOTICE TO CONTRACTOR

- . THE LOCATIONS OF EGISTING INDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MAY DOUT AND HAVE NOT DEEN INDEPENDENTLY MERFED BY THE OWNER OR ITS CONTINUED THE OWNER OR ITS CONTINUED THE OWNER OF ITS CONTINUED THE OWNER OW
- 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UNDERGROUND SERVICE ALERT (PHONE NO. 811) 48 HOURS IN ADVANCE OF ANY EXCAVATION FOR THE MARK-OUT OF THE LOCATION OF UTILITIES AND OBTAIN A DIG ALERT IDENTIFICATION NUMBER PRIOR TO COMMENCEMENT OF WORK.

GROUNDING NOTES

- ALL GROUNDING CONDUCTORS SHALL BE INSTALLED A MINIMUM 30 INCHES BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.
- MAIN GROUND CONDUCTOR SHALL BE #4/0 STRANDED COPPER AND TAP TO EQUIPMENT SHALL BE #2 STRANDED COPPER, UNLESS OTHERWISE NOTED.
- 4. ABOVE-GRADE GROUND WIRE SHALL BE INSULATED COPPER CONDUCTOR.

GENERAL NOTES

- ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH CODES, STANDARDS, AND ORDINANCES AS SET FORTH BY THE AUTHORITES HAWING JURISDICTION AND THEIR TALEST ADOPTED ENTIONS (IN FEET A TIME OF BUILDING PERMIT APPLICATION) OF THE FOLLOWING PUBLICATIONS:
 - A. CALIFORNIA CODE OF REGULATIONS TITLE 24: INCLUDES NATIONAL ELECTRICAL CODE AND INTERNATIONAL FIRE CODE, INTERNATIONAL BUILDING CODE, ETC. WITH CALIFORNIA AND OTHER LOCAL AMENDMENTS AS APPLICABLE.
 - B. AMERICANS WITH DISABILITIES ACT (ADA).
 - C. ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH THE 2019 CALIFORNIA FIRE CODE (CFC), CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 9.
- 2. THE ELECTRICAL CONTRACTOR IS RESONRED TO MARKIN ALL EQUIPMENT IN A SAFE AND PROPERTY OF THE PROPERTY OF THE
- THE OWNER OF STATEMENT OF THE CALIFORNIA BILLIANG CORE CHAPTER 7. CONTRACTOR SHALL PROMP AND INSTALL PHYSICAL BILLIANG CORE CHAPTER 7. CONTRACTOR SHALL PROMP AND INSTALL PHYSICAL BE PRACTICATED SHALL BE RESTALLED WITH A PERCARE THROUGH-PERCHANGE PRISTOR STATEMENT OF THE CALIFORNIA CHAPTER AND COMPLY WITH REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISCIONAL CHAPTER AND COMPLY WITH REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISCIONAL CHAPTER AND COMPLY WITH REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISCIONAL CHAPTER AND COMPLY WITH FEQUREMENTS OF LOCAL AUTHORITY HAVING JURISCIONAL CHAPTER AND COMPLY WITH FEQUREMENTS OF LOCAL AUTHORITY HAVING JURISCIONAL CHAPTER AND COMPLY WITH STATEMENT CO. AUTHORITY HAVING JURISCIONAL CHAPTER AND COMPLY WITH CHAPTER AND COMPLY WITH CHAPTER AND COMPLY WITH CHAPTER AND CHAP

- ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED OR BRACED TO MEET THE HORIZONTAL AND VERTICAL FORCES PRESCRIBED IN THE LATEST EDITION OF THE OBC AND ASCE.
- 8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE SITE AND THE CONTRACT DOCUMENTS AND TO PERFORM ALL DEMOLITION AND RECONSTRUCTION WHICH MAY BE REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
- CLOSELY COORDINATE OUTAGE AND FACILITY DISRUPTION TIME WITH THE OWNER. MINIMUM 72—HOUR NOTICE IS REQUIRED BEFORE ANY CIRCUIT SHUTDOWN OR DISRUPTION OF FACILITY PERSONNEL FLINETIONING.
- ALL SINGLE CONDUCTORS SHALL BE COPPER WITH TYPE XHHW/XHHW-2 INSULATION UNLESS OTHERWISE NOTED.
- ALL UNDERGROUND CONDUITS SHALL HAVE A MINIMUM COVER OF 24". WHERE NEW CONDUITS CROSSES (E) UTILITIES THAT ARE SHALLOW, ELECTRICAL CONDUITS SHALL BE INSTALLED DEEPER AND MAINTAIN A MINIMUM CLEARANCE BY 12".
- 12. ALL SWITCHES, CIRCUIT BREAKERS AND OTHER EQUIPMENT, AS SPECIFIED, SHALL HAVE TERMINATION PROVISIONS LUSTED AND IDENTIFIED FOR USE WITH 75°C CONDUCTORS, AND ALL FEEDER CONDUCTORS, AND CONDUITS, ARE SIZED BASED ON USE OF 75°C COPPER WIRES THPE WHIM/SHHIM-2.
- ALL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED [UL, CSA, ETC.] (CEC 2019 110-2).
- 14. PROVIDE GROUND WIRE IN ALL CONDUITS CONTAINING POWER OR LIGHTING CIRCUITS.
- 15. ALL ABOVE GROUND CONDUIT SHALL BE THREADED RIGID METAL CONDUIT.
- ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, WITH PVC COATED RGS BENDS, ELBOWS AND TURN-UPS.
- 17. ALL CONDUIT SHALL BE MINIMUM 3/4" UNLESS NOTED OTHERWISE.
- WHERE POWER AND INSTRUMENTATION CONDUITS OCCUPY THE SAME TRENCH, PROVIDE A MINIMUM OF 12" OF SEPARATION.
- 19. THE ACCESS ROUTE TO THE SIRE CHANGES BASED ON CONSTRUCTION ACTIVITY AT THE BOTTOM OF HILL. CONTRACTOR TO COORDINATE WITH THE OFFSITE CONTRACTOR TO FIGURE OUT THE BEST ACCESS TO THE SITE.
- 20. IN CASE SURVEYORS DO NOT INSTALL THE STAKES FOR BOUNDARY OF EASEMENT, IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL THEM.
- CONTRACTOR TO PROMDE LABELS ON THE DIESEL FUEL TANK AND THE EMERGENCY BACKUP GENERATOR AS PER NFPA 704. LABELS TO BE INSTALLED ON THE EXTERIOR OF STRUCTURE. FIRE PROTECTION TO BE PROMODED AS REQUIRED IN THE CALIFORNIA FIRE CODE (CFC 2019) AND THE FIRE DEPARTMENT, CITY OF SAN LUIS OBISPO.
- CONTRACTOR SHALL INSTALL THE SAFETY/WARNING SIGNAGE FOR RADIO FREQUENCY FIELDS AND MAXIMUM PERMISSIBLE EXPOSURE LIMITS AS PER CBC 107.2
- 23. CONTRACTOR SHALL INSTALL A PERMANENT PLAQUE OR DIRECTORY DENOTING ALL ELECTRICAL POWER SOURCES ON THE PREMISE WHICH SHALL BE INSTALLED AT EACH SERVICE EQUIPMENT LOCATION AS PER ARTICLE 705.10 CEC 2019.
- 24. CONTRACTOR SHALL INSTALL THE ARC FLASH WARNING SIGNS AS REQUIRED PER ARTICLE 110.16 CEC 2019.

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VEHICLE 묎 NOTES ELECTRIC ' GENERAL FACILITY E AND YMBOLS / TRANSIT

99% SUBMITTAL NOT FOR CONSTRUCTION

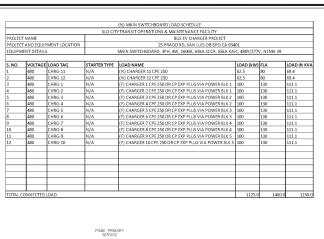
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> AS NOTED 10/24/2022

1000535 E NO. / LOCATION

10 of 15

SECTION AND DETAIL IDENTIFICATION SYSTEM - SECTION LETTER OR DETAIL NUMBER - SHEET ON WHICH SECTION OR DETAIL APPEARS OR IS TAKEN



CONSTRUCTION NOTES:

- REFER TO SYMBOLS, ABBREVIATIONS AND GENERAL NOTES ON SHEET 10.
- **CONSTRUCTION NOTES:**
- (1) (E) PO&E PADMOUNT TRANSFORMER. THIS SERVICE TRANSFORMER WILL PROVIDE POWER TO (N) 1600A SERVICE FOR THIS PROJECT AND PRESENTLY FEEDS POWER TO THE (E) 400A

- (7) (N) 1600AT/1600AF, 3P, 480V, ALSIG TYPE, 65KAIC, PADLOCKABLE, SWITCHBOARD SHALL HAVE ARMS INDICATING LIGHT AND SELECTOR SWITCH.

- (8) 100AT/225AF, 3P 480V, THERMAL MAGNETIC, 65KAIC CIRCUIT BREAKER
- (9) (N) 4"C CONDUIT TO STUB UP AND CAPPED OFF FOR FUTURE USE.
- (10) (N) 2"C 3#1, 1#4 GND.
- (11) SPACE FOR FUTURE 400AF, 3P, 480V, THERMAL MAGNETIC, 65KAIC CIRCUIT BREAKER. (2) (N) CHARGE POINT CPE 250 EV CHARGER, INPUT 480V, 3PH, 3W, 62.5KW, SUPPLIED BY CITY, CONTRACTOR IS RESPONSIBLE FOR INSTALLATION.
- (3) (N) 4" CONDUIT ONLY FOR FOR FUTURE USE, CONTRACTOR SHALL PROVIDE 3/4" PULL

(9) CONTRACTOR SHALL ADD (N) 100A, 3P, 480V, SQUARE D, BDA36100 CIRCUIT BREAKER, TO THE (E) 400A, 480V, SQUARE D SWITCHBOARD, CIRCUIT BREAKER SHALL BE COMPATIBLE TO BE INSTALLED IN THE (E) SWITCHBOARD. REFER TO DETAIL 1 OF SHEET E2.0.



ELECTRIC VEHICLE RASTRUCTURE DIAGRAM SINGLE LINE TRANSIT FACILITY CHARGING INF

99% SUBMITTAL NOT FOR CONSTRUCTION

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DP AS NOTED

10/24/2022 1000535 NO. / LOCATION

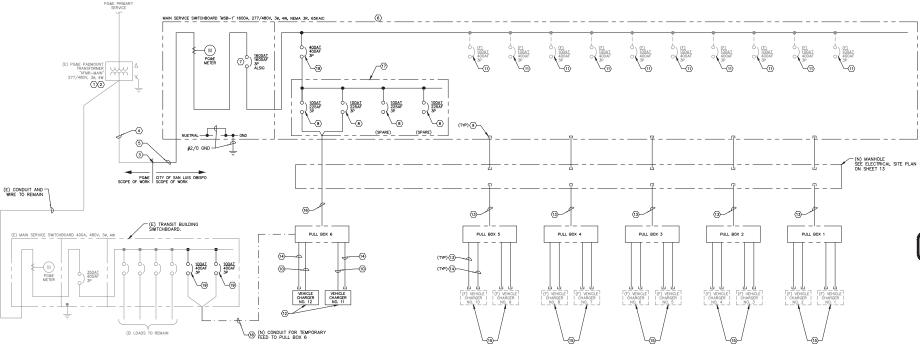
11 of 15

(2) CONTRACTOR SHALL CORPONATE WITH CITY AND POLE FOR REPLACING THE EXISTING 75KVA TRANSFORMER WITH A 300KVA TRANSFORMER FOR DETAILS REFER TO POLE DRAWING SHEET PH: 3153/153, CONTRACTOR SHALL SCHEDULE THE OUTRAGE WITH PO 3 SCOPE OF WORK SEPARATION FOR THE INSTALLATION OF SERVICE CONDUITS FOR PG&E AND CITY OF SLO, REFER TO SHEET E2.0 FOR THE EXACT LOCATION

(4) CONTRACTOR SHALL SCHEDULE AND COORDINATE THE WORK WITH PGME FOR TRENCHING INSTALLATION OF CONDUITS. REFER TO DETAILS ON PGME DRAWING SHEET PM: 31531153.

(E) (I) MANI SENTISONORS MES-1 1800A, SPI- AN EAN SE LISSER CARRIANCE, CORPERISON, GRACE ARING, WITH FESTION, METER SECTION, METER SECTION, MAI CREATE PROBLEMENT AND FILZER GROUT BECAUTE AS PER THE SHALE LINE DIAGRAM. TERMANION SERVICE, CONCLIONOS, MAIN CINCUITOR BEARD SERVICE, CONCLIONOS, MAIN CINCUITOR BEARD SHALE ECOMPTO WITH AN AFT ASSISTANCE MAIN FRANCE METER SERVICE PROBLEMENT METERS. SERVICE AND SERVICE METERS AND SERVICE METERS AND SERVICE METERS AND SERVICE MESTING SERVICE METERS.

(14) (N) 2" CONDUIT ONLY FOR FOR FUTURE USE, CONTRACTOR SHALL PROVIDE 3/4" PULL ROPE. (15) (F) CHARGER POINT CHARGER, MODEL CPE 250 OR CP EXP PLUS. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF MUNITIMO PLATES AND ANDOIGNS, AND STUB UP THE COORDITS AND OLD OFF FOR FUTURE USE. MODIFIED FAILES AND CHARGE BY (16) (N) 4" C (2) SET OF CONDUCTORS, 3 #1, 1 #4 GND, EACH SET OF CONDUCTORS TO FEED CHARGER 11 AND CHARGER 12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THESE (17) 480Y/277V, 250A 12CKTS DISTRIBUTION PANEL BOARD, SECTION 4 OF SWITCHBOARD. (18) 400AT/400AF, 3P, 480V, THERMAL MAGNETIC, 65KAIC CIRCUIT BREAKER, PADLOCKABLE.



SINGLE LINE DIAGRAM

(E) 400A SWITCHBOARD (INSIDE TRANSIT BUILDING)



CONSTRUCTION NOTES:

REFER TO SYMBOLS, ABBREVIATIONS AND GENERAL NOTES ON SHEET 10.

CONSTRUCTION NOTES:

- (N) 100AT/400AF CIRCUIT BREAKER.
- 2 SPACE FOR (F) 400AF CIRCUIT BREAKER.

- 6 CONTRACTOR SHALL ENSURE CONCRETE PAD IS BUILD TO PG&E STANDARDS.
- (7) 1600AT/1600AF CIRCUIT BREAKER, PADLOCKABLE, REFER TO SINGLE LINE DRAWING FOR DETAILS.
- (B) 400AT/400AF CIRCUIT BREAKER, PADLOCKABLE, REFER TO SINGLE LINE DRAWING FOR DETAILS.





TRANSIT FACILITY ELECTRIC VEHICLE CHARGING INFRASTRUCTURE EQUIPMENT ELEVATIONS

99% SUBMITTAL

NOT FOR CONSTRUCTION BA

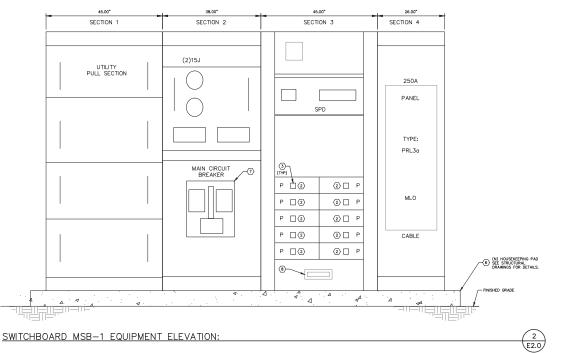
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(1) (E2.0)



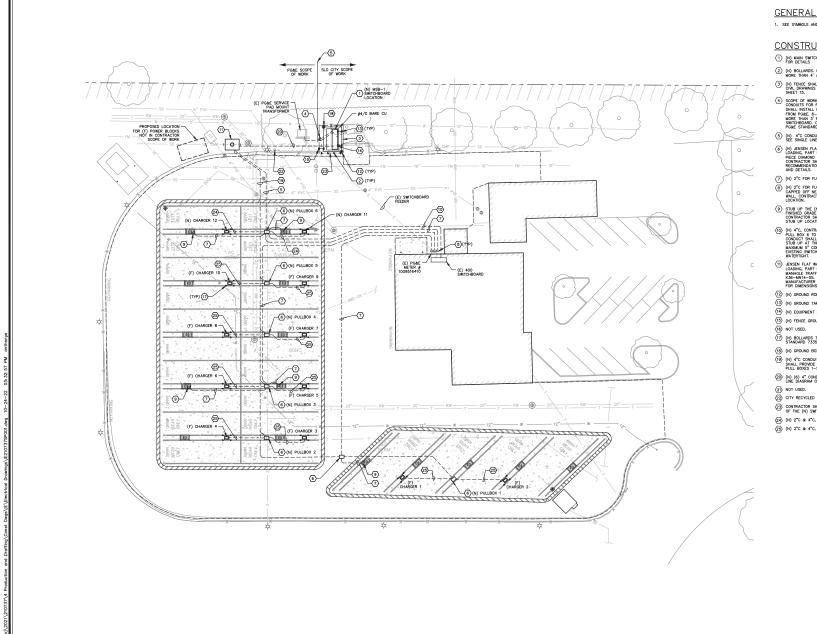
AVAILABLE DC FAST · ... COMPATIBLE FOR CHARGER POINT CPE 250 AND EXPRESS PLUS CHARGERS. REFER TO STRUCTURAL DRAWINGS FOR INSTALLATION DETAILS.

CHARGEPOINT CPE 250 EV BUS CHARGER ELEVATION:

UNIVERSAL CHARGER MOUNTING PLATE 4
E2.0

-chargepoin+

REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION AND CONCRETE PAD DETAILS



GENERAL NOTES:

1. SEE SYMBOLS AND GENERAL NOTES ON SHEET E1.

CONSTRUCTION NOTES:

- (N) MAIN SWITCHBOARD LOCATION, REFER TO SINGLE ONE DRAWINGS FOR DETAILS
- (2) (N) BOLLARDS, CONTRACTOR SHALL INSTALL THE NEW BOLLARDS NO MORE THAN 4' APART, REFER TO CITY STANDARD 7335.
- (3) (N) FENCE SHALL BE INSTALLED BY THE CONTRACTOR, REFER TO CIVIL DRAWINGS FOR THE FENCE IMPROVEMENTS AND DETAILS ON SHEET 15.
- $\stackrel{\textstyle <}{\bigcirc}$ (N) 4°C CONDUIT TO CHARGERS 11 AND 12 THROUGH PULL BOX 6. SEE SINGLE LINE DIAGRAM ON SHEET E1.0.
- (6) (N) JENSEN FLAT WALL PULLBOX, AASHTO H-20-44 TRAFFIC BROCE (DADING, PART NUMBER R2JSG-PT93-GST0 WITH SZZAG-TOX, ONE CONTRACTOR SHALL INSTALL THE MANNOEL FER MANUFACTURER RECOMMENDATIONS. REFER TO DETAIL ON SHEET 15 FOR DIMENSIONS AND DETAILS.
- (7) (N) 2°C FOR FUTURE SOLAR PROJECT USE
- (8) (N) 2°C FOR FUTURE SOLAR PROJECT SHALL BE STUBBED UP AND CAPPED OFF NEAR THE (E) PG&E METER AGAINST THE BUILDING WALL CONTRACTOR SHALL COORDINATE WITH CITY FOR EXACT LOCATION.
- (II) (N) 4°C, CONTRACTOR SHALL FIELD ROUTE THE COMDUIT FROM THE PULL BOX 6 TO (E) SMICHBOARD HISDE THE TRANSIT BULLDING. CONDUCT SHALL BE ROUTED HORDEROROUND TO THE BULLDING AND STUB UP AT THE EDEE OF BULLDING WALL, ROUTE ALONG THE WALL MAXIBUL 5°CORE DRILL INTO WALL AND PERSTARE THO THE PULSTING SWITCHBOARD FROM THE TOP. PATCH WALL TO MAKE WINTERTICHT.
- (1) SENSEN FLAT WALL MANHOLE, AASHTO H-20-44 TRAFFIC BRIDGE LOADING, PART NUMBER KGS-MM4-05 WITH 30° CLEAR O'PENING MANHOLE TRAFFIC COMER AND NCCK 14" DEEP PART MANHER WASHINGTON TO THE TRAFFIC COMER AND NCCK 14" DEEP PART MANHER WASHINGTON THE TRAFFIC TO DETAIL ON SHEET EAST FOR DEMENSIONS AND DETAIL OF SHEET EAST TO DETAIL ON SHEET EAST FOR DEMENSIONS AND DETAIL OF SHEET EAST TO DETAIL ON SHEET EAST OF THE TRAFFIC THE TR
- $\fbox{12}$ (N) GROUND ROD, SEE DETAIL 3 ON SHEET E4.0.
- (13) (N) GROUND TAP, SEE DETAIL 4 ON SHEET E4.0.
- (14) (N) EQUIPMENT GROUND DETAIL, SEE DETAIL 5 ON SHEET E4.0.
- (15) (N) FENCE GROUND, SEE DETAIL 6 ON SHEET E4.0.
- (N) BOLLARDS TO PROTECT VEHICLE CHARGER, REFER TO CITY STANDARD 7335.
- (18) (N) GROUND BOX DETAIL, SEE DETAIL 2 ON SHEET E4.0.
- (19) (N) 4°C CONDUIT ONLY FROM MANHOLE TO PULL BOX, CONTRACTOR SHALL PROVIDE PULL ROPE. TYPICAL OF (5) CONDUITS TOTAL TO PULL BOXES 1-5.
- (20) (N) (6) 4" CONDUIT FROM SWITCHBOARD TO MANHOLE. SEE SINGLE LINE DIAGRAM ON SHEET E1.0.
- (22) CITY RECYCLED WATER VENT TO REMAIN. PROTECT IN PLACE.
- (3) CONTRACTOR SHALL REMOVE AND SALVAGE THE (E) FENCE INFRONT OF THE (N) SWITCHBOARD.
- $\langle 24 \rangle$ (N) 2°C & 4°C, REFER TO SINGLE LINE DRAWING FOR DETAILS
- (N) 2°C & 4°C, REFER TO SINGLE LINE DIAGRAM FOR DETAILS.





ELECTRIC VEHICLE RASTRUCTURE TRANSIT FACILITY
CHARGING INF

PLAN

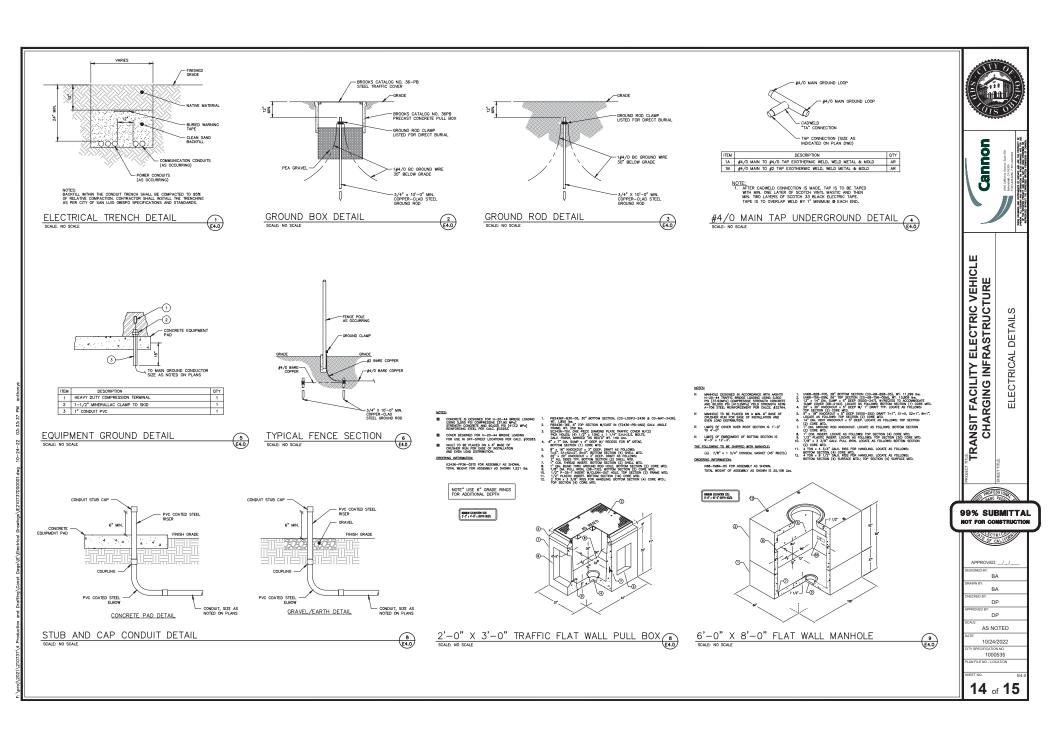
SITE

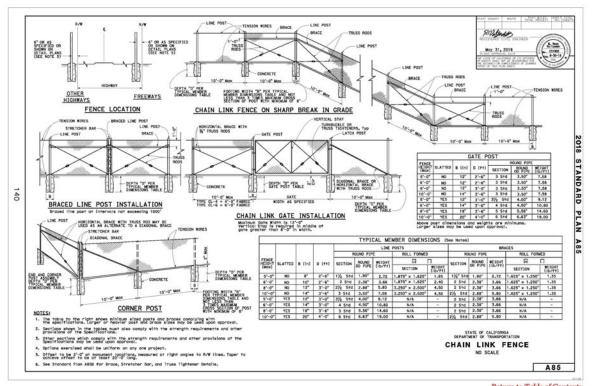
ECTRICAL

99% SUBMITTAL NOT FOR CONSTRUCTION

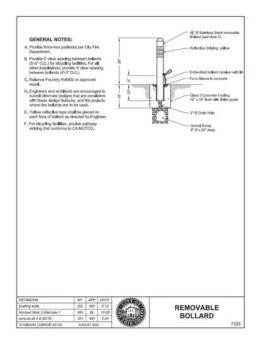
BA BA DP DP. AS NOTED

10/24/2022 1000535











Cannon

TRANSIT FACILITY ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

STANDARD DETAILS

AGENCY

AJS JJS LIS AS SHOWN 10/24/2022 1000535

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E NO. / LOCATION