

Project ID No. \_\_\_\_\_

## PROJECT EVALUATION (PEF)

PCA No. \_\_\_\_\_

PROJECT CONCEPT		
PROJECT TITLE BCTPower Duel Port Electric Car Charger @ Santa Cruz District Office		PARK UNIT NAME Henry Cowell Redwoods State Park
DISTRICT NAME Santa Cruz		FACILITY NO. 418-A-1-10-0-006
PROJECT MANAGER Patrick Courtright	PHONE NO. (831)335-1404	EMAIL patrick.courtright@parks.ca.gov
DISTRICT PROJECT MANAGER Felipe Jauregui	PHONE NO. (831)335-6380	EMAIL felipe.jauregui@parks.ca.gov
PROJECT BID DATE	CONSTRUCTION START DATE 11/15/19	FUNDING SOURCE 12205

### PROJECT DESCRIPTION

*Identify the scope of the project in detail, including its purpose, location, and potential impacts. If the ground is to be disturbed, describe the depth and extent of excavation. Describe the existing site conditions, including previous development. Note if work will impact or extend beyond park property. Indicate if work will be done in conjunction with, or as part of, other projects. (Use additional pages if necessary.)*

The proposed project is to install a duel car charging station in the dirt lot adjacent to the east side of the resource building at the district office. This charger will service the districts ever growing electric vehicle fleet and other park users. The project will call for approximately 50 feet of trenching that is 8 inches wide and 18 inches deep. This trench will allow one inch conduit to be run from the main panel on the resource building over to the desired location on the compacted decomposed Granite parking lot. At the terminus of the conduit there will be a four foot by four foot by four inch cement pad for the charger pedestal to be mounted on. All spoils from trenching and digging of the pad will be used to fill in trench for the conduit and left over spoils will be feathered out and incorporated in the surrounding landscape, spread out spoils will not exceed more than one inch in depth.

### DOCUMENTS ATTACHED

- ☒ 7.5 minute (quad) map of project area (**Required**)
- ☒ Site Map (**Required** - Scale should show relationship to existing buildings, roads, landscape features, etc.)
- ☐ DPR 727 Accessibility Review and Comment Sheet (**Required** – Attach DPR 727 or emailed project exemption from the Accessibility Section.)
- ☐ Sea-level Rise Worksheet (for coastal park units)
- ☒ Graphics (Specify - photos, diagrams, drawings, cross-sections, etc.): photo's and instructions
- ☐ Other (Specify):

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## REGULATORY REQUIREMENTS

IS AN APPLICATION, PERMIT, OR CONSULTATION REQUIRED?	YES	MAYBE	NO	CONTACT
Coastal Development Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DFG Stream Alteration Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State & Federal Endangered Species Consultation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Corps of Engineers 404 Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
RWQCB or NPDES Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DPR Right to Enter or Temporary Use Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PRC 5024 Review	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stormwater Management Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Encroachment Permit (Specify Agency):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Native American Consultation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (Specify):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMMENTS:

## DEPARTMENT POLICY COMPLIANCE

	YES	NO
HAS A GENERAL PLAN BEEN APPROVED FOR THE UNIT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If YES, is the project consistent with the GP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If NO, what is the project justification?		
Is it a temporary facility? (No permanent resource commitment)	<input type="checkbox"/>	<input type="checkbox"/>
Health and Safety?	<input type="checkbox"/>	<input type="checkbox"/>
Is it a Resource Management Project?	<input type="checkbox"/>	<input type="checkbox"/>
Is it repairing, replacing, or rehabilitating an existing facility?	<input type="checkbox"/>	<input type="checkbox"/>
IS THE PROJECT WITHIN A CLASSIFIED SUBUNIT?		
Natural Preserve	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cultural Preserve	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State Wilderness	<input type="checkbox"/>	<input checked="" type="checkbox"/>
IS THE PROJECT CONSISTENT WITH THE DEPARTMENT'S CULTURAL RESOURCE MANAGEMENT DIRECTIVES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IS THE PROJECT CONSISTENT WITH THE DEPARTMENT'S OPERATIONS MANUAL CHAPTER 0300?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMMENTS:

DISTRICT SUPERINTENDENT PROJECT CONCEPT APPROVAL OR DESIGNEE



TITLE

SPS-10

DATE

11/14/19

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## RESOURCES

*Explain all 'Yes' or 'Maybe' answers in the 'Evaluation and Comments' section (reference by letter and number). Attach additional pages, if necessary.*

YES	MAYBE	NO
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### A. EARTH – WILL THE PROJECT:

1. Create unstable soil or geologic conditions?
2. Adversely affect topographic features?
3. Adversely affect any unusual or significant geologic features?
4. Increase wind or water erosion?
5. Adversely affect sand deposition or erosion of a sand beach?
6. Expose people, property, or facilities to geologic hazards or hazardous waste?
7. Adversely affect any paleontological resource?

YES	MAYBE	NO
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### B. AIR – WILL THE PROJECT:

1. Adversely affect general air quality or climatic patterns?
2. Introduce airborne pollutants that may affect plant or animal vigor or viability?
3. Increase levels of dust or smoke?
4. Adversely affect visibility?

YES	MAYBE	NO
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### C. WATER – WILL THE PROJECT:

1. Change or adversely affect movement in marine or fresh waters?
2. Change or adversely affect drainage patterns or sediment transportation rates?
3. Adversely affect the quantity or quality of groundwater?
4. Adversely affect the quantity or quality of surface waters?
5. Expose people or property to flood waters?
6. Adversely affect existing or potential aquatic habitat(s)?

YES	MAYBE	NO
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### D. PLANT LIFE – WILL THE PROJECT:

1. Adversely affect any native plant community?
2. Adversely affect any unique, rare, endangered, or protected plant species?
3. Introduce a new species of plant to the area?
4. Adversely affect agricultural production?
5. Adversely affect the vigor or structure of any tree?
6. Encourage the growth or spread of alien (non-native) species?
7. Interfere with established fire management plans or practices?

YES	MAYBE	NO
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### E. ANIMAL LIFE – WILL THE PROJECT:

1. Adversely affect any native or naturalized animal population?
2. Adversely affect any unusual, rare, endangered, or protected species?
3. Adversely affect any animal habitat?
4. Introduce or encourage the proliferation of any non-native species?

YES	MAYBE	NO
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>


### F. CULTURAL RESOURCES – WILL THE PROJECT:

1. Adversely affect a prehistoric or historic archeological site, or tribal cultural resource?
2. Adversely affect a prehistoric or historic building, structure, or object?
3. Cause an adverse physical or aesthetic effect on an eligible or contributing building, structure, object, or cultural landscape?
4. Diminish the informational or research potential of a cultural resource?
5. Increase the potential for vandalism or looting?
6. Disturb any human remains?
7. Restrict access to a sacred site or inhibit the traditional religious practice of a Native American community?

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YES	MAYBE	NO	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>G. AESTHETIC RESOURCES – WILL THE PROJECT:</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Adversely affect a scenic vista or view?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Significantly increase noise levels?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Adversely affect the quality of the scenic resources in the immediate area or park-wide?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Create a visually offensive site?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Be incompatible with the park design established for this unit or diminish the intended sense of "a special park quality" for the visitor?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>H. RECREATIONAL RESOURCES – WILL THE PROJECT:</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Be in a public use area?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Have an adverse effect on the quality of the intended visitor experience?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Have an adverse effect on the quality or quantity of existing or future recreational opportunities or facilities?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Have an adverse effect on the accessibility of recreational facilities (e.g., ADA requirements)?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>I. SEA-LEVEL RISE AND EXTREME EVENTS (COASTAL UNITS ONLY):</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Has this project been evaluated for potential impacts from sea-level rise, coastal storm surge, and other extreme events, using the Department's Sea-Level Rise and Extreme Events Guidance Document or an equivalent process? <i>Please attach the Sea-Level Rise Worksheet (provided in the guidance document) or other detailed evaluation.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Based on the evaluation described above, will the project be adversely impacted by frequent flooding or permanent inundation during its expected lifetime?
<input checked="" type="checkbox"/> Non-coastal unit			
<b>EVALUATION AND COMMENTS</b>			
<b>ENVIRONMENTAL REVIEW</b> <i>To Be Completed by Qualified Specialist(s) ONLY.</i> <i>Attach additional reviews or continuation pages, as necessary.</i>			
<b>TRIBAL LIAISON COMMENTS AND SIGNATURE (REQUIRED FOR ALL FINDINGS)</b>			
<input checked="" type="checkbox"/> Reviewer is Designated District/Service Center/Division Tribal Liaison or Designee <input type="checkbox"/> NAHC Listed Tribe(s) contacted (attach correspondence record for contact and findings) <input type="checkbox"/> DN 2007-05 Tribal Consultation Only <input type="checkbox"/> AB52 Consultation Initiated			
<b>Findings:</b>			
<input checked="" type="checkbox"/> Project action does not have potential to affect "tribal cultural" resources (explain)			
<b>Check more than one box if tribes provide differing responses, and describe all consultations below.</b>			
<input type="checkbox"/> Tribe(s) did not respond			
<input type="checkbox"/> Tribe(s) approved project as written			
<input type="checkbox"/> Tribe(s) approved project with treatments or conditions			
<input type="checkbox"/> Tribe(s) and DPR unable to reach mutual agreement on project treatments or conditions			
<b>Explain</b> <i>Not a project involving consultation.</i>			
SIGNATURE 		PRINTED NAME <i>Mark Hytkema</i>	



# PROJECT EVALUATION (PEF)

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TITLE <i>SCR Dist Tribal Liaison</i>		DATE <i>12-1-2019</i>
<b>ARCHEOLOGIST COMMENTS AND SIGNATURE (REQUIRED FOR ALL FINDINGS)</b> <b>Findings:</b> <input checked="" type="checkbox"/> No PRC 5024 necessary ( <u>provide justification</u> ) <input type="checkbox"/> PRC 5024 attached; project approved as written <input type="checkbox"/> PRC 5024 attached, conditions necessary <input type="checkbox"/> PRC 5024 attached, mitigations and/or potential significant impacts <b>Explain</b> <i>Not a project involving archaeological resources</i>		
SIGNATURE 	PRINTED NAME <i>Mark Hylkema</i>	
TITLE <i>SCR Dist Archeologist</i>	DATE <i>12-1-2019</i>	
<b>HISTORIAN COMMENTS AND SIGNATURE (REQUIRED FOR ALL FINDINGS)</b> <b>Findings:</b> <input checked="" type="checkbox"/> No PRC 5024 necessary ( <u>provide justification</u> ) <input type="checkbox"/> PRC 5024 attached, project approved as written <input type="checkbox"/> PRC 5024 attached, conditions necessary <input type="checkbox"/> PRC 5024 attached, mitigations and/or potential significant impacts <b>Explain</b> <p>No historic resources present. The installation of charging station will have no impact on any listed or potentially eligible resources. Location for charging station is in the parking lot area of the district office, no resources present.</p> <p style="text-align: center;">NO IMPACT</p>		
SIGNATURE 	PRINTED NAME Dan Osanna	
TITLE Environmental Program Manager I	DATE 12/9/19	

# PROJECT EVALUATION (PEF)

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## ENVIRONMENTAL SCIENTIST COMMENTS AND SIGNATURE (REQUIRED FOR ALL FINDINGS)

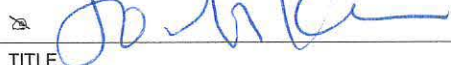
### Findings:

- ☒ No Impact  
☐ Impact(s), see conditions/mitigations below or on attached page(s)  
☐ Potential Significant Impact

### Explain

no natural resource impacts

SIGNATURE

  
SS

PRINTED NAME

JOANNE KERBAVAZ

TITLE

DATE


11/26/19

## MAINTENANCE CHIEF/SUPERVISOR (REQUIRED FOR ALL FINDINGS)

COMMENTS:

No impacts

SIGNATURE

  
PMC

PRINTED NAME

Rachel Hoads

TITLE

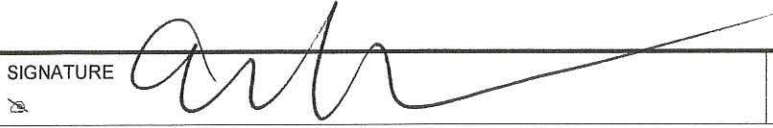
DATE

11/18/19

## OTHER COMMENTS (COMMENTER MUST INCLUDE TITLE AND SIGNATURE)

no interpretive impact

SIGNATURE

  
SV I III

PRINTED NAME

Elizabeth Hummel

TITLE

DATE

11-25-19

# PROJECT EVALUATION (PEF)

Project ID No. \_\_\_\_\_

PCA No. \_\_\_\_\_

OTHER COMMENTS (COMMENTER MUST INCLUDE TITLE AND SIGNATURE)

SIGNATURE



PRINTED NAME

TITLE

DATE

OTHER COMMENTS (COMMENTER MUST INCLUDE TITLE AND SIGNATURE)

SIGNATURE



PRINTED NAME

TITLE

DATE

ENVIRONMENTAL COORDINATOR REVIEW

# PROJECT EVALUATION (PEF)

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YES MAYBE NO

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## CUMULATIVE IMPACTS

1. Will the project be conducted in conjunction with or at the same time as other projects at the park?
2. Will the project be part of a series of inter-related projects?
3. Are there any other projects that must be completed for any part of this project to become operational?
4. Are there any other projects (including deferred maintenance) that have been completed or any probable future projects that could contribute to the cumulative impacts of this project?
5. Are any of the projects that relate to the proposed work outside the General Plan?

COMMENTS:

## RECOMMENDATION:

- |                                                                                                                             |                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <input type="checkbox"/> Not a project for the purposes of CEQA compliance.                                                 |                                                                          |
| <input type="checkbox"/> Project is covered activity under DOM 0600 (Figure F) that does not require a Notice of Exemption; |                                                                          |
| <input type="checkbox"/> Project is covered activity under previously prepared CEQA Document (internal or external);        |                                                                          |
| SCH number: _____                                                                                                           |                                                                          |
| <input checked="" type="checkbox"/> The project is exempt. File a Notice of Exemption.                                      |                                                                          |
| <input type="checkbox"/> A Negative Declaration should be prepared.                                                         | <input type="checkbox"/> AB52 Consultation Initiated. See Tribal Liaison |
| <input type="checkbox"/> A Mitigated Negative Declaration should be prepared.                                               | Comment Section above.                                                   |
| <input type="checkbox"/> An EIR should be prepared.                                                                         |                                                                          |

SIGNATURE

*Sheila Branon*

PRINTED NAME

Sheila Branon

TITLE

Sr. Park & Rec. Specialist

DATE

12/16/19

## DISTRICT SUPERINTENDENT REVIEW

COMMENTS:

*I acknowledge any constraints placed on the project as a result of the specialists' comments above and recommend the project proceed.*

DISTRICT SUPERINTENDENT APPROVAL SIGNATURE

*[Signature]*

TITLE

DSII

DATE

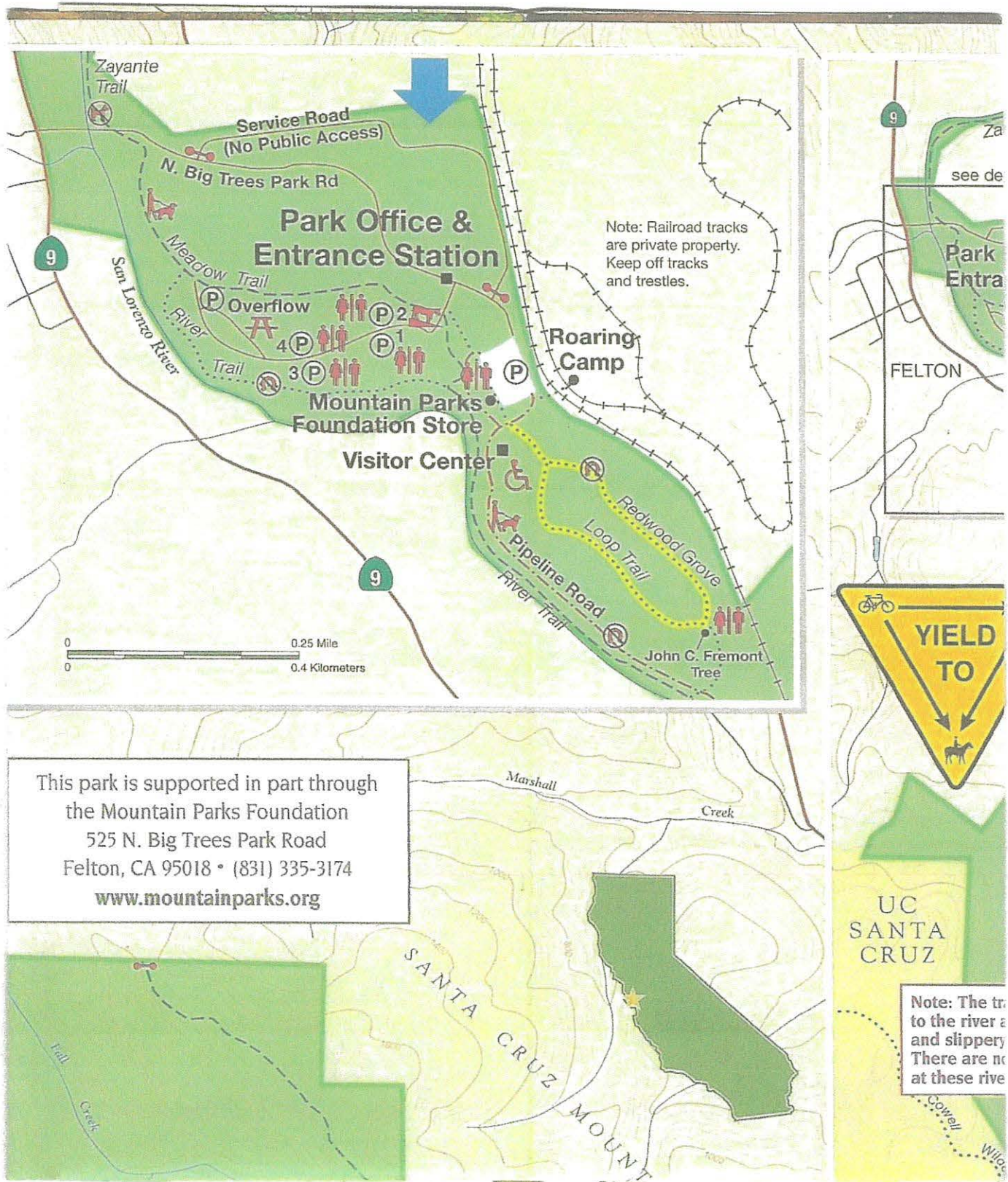
12/17/19







# Santa Cruz District Office Location



This park is supported in part through the Mountain Parks Foundation  
 525 N. Big Trees Park Road  
 Felton, CA 95018 • (831) 335-3174  
[www.mountainparks.org](http://www.mountainparks.org)



# Henry Cowell District Office

Proposed location for dual car charging station

Legend



Google Earth

200 ft





# **BCTPower Dual Port Electric Car Charger Installation**

## **At Santa Cruz District Office**

**Installation location is to be on the east side of the resource building. This location is on the dirt parking area adjacent to the resource building.**

**Installation will require power to be brought over from the main panel on the resource building. This will be accomplished by adding a two 30 amp breakers to the main panel and 1 inch conduit run along the building and down to the ground. Once conduit is brought to the ground it will be trenched over to a retaining wall and brought up 12-18 inches above ground, a hole large enough for the 1 inch conduit will be drilled through the wall and trenching will continue over to the desired location.**

**The desired location will be: over 8 -10 feet from the edge of the retaining wall and set back to allow cars to park. This location is ample enough to allow two electric vehicles to utilize the new charger. At the desired location a 4 foot x 4 foot x 4 inch cement pad will be installed for placement of the charger. The electrical conduit will be run to the center of pad and stubbed out about 12 inches above pad at its center. All spoils from installation will be used to cover the conduit in the trenches.**





location of the breaker  
box with a additional  
conduit .

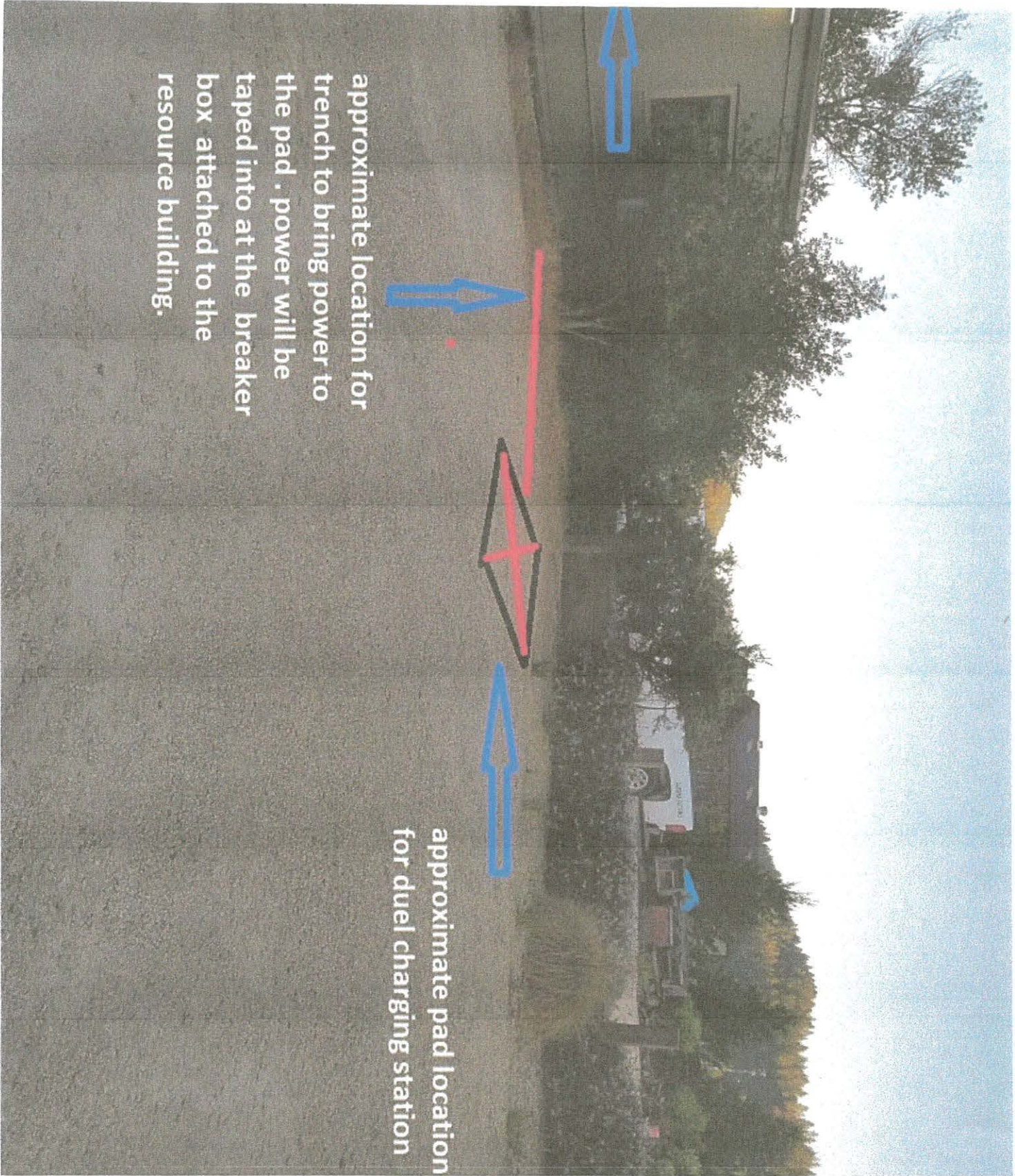
approximate location of  
trenchin for conduit



approximate location for trench to bring power to the pad . power will be taped into at the breaker box attached to the resource building.



approximate pad location for dual charging station

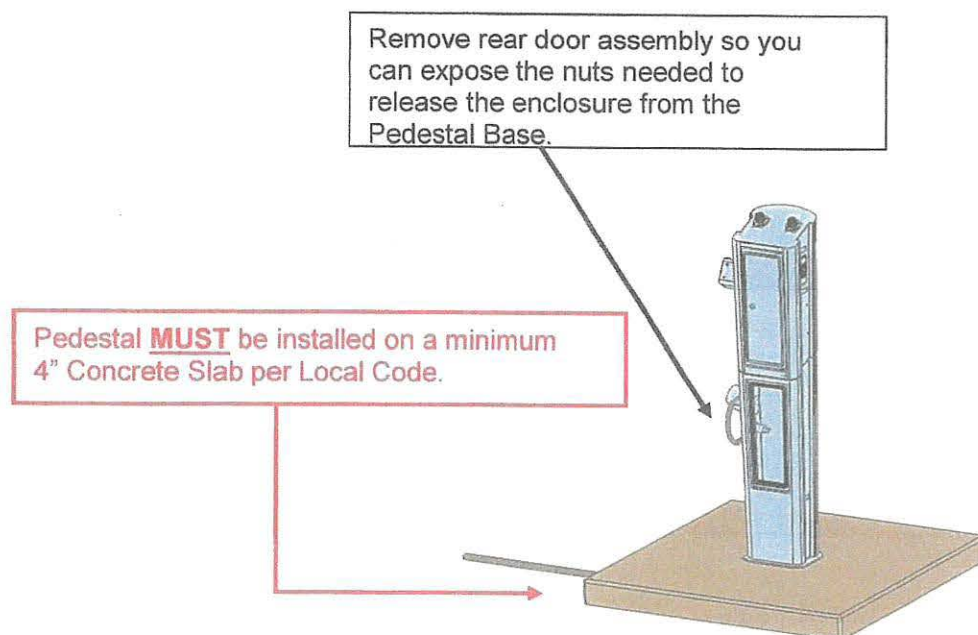




### 2.5 Installation Procedure for Pedestal Chargers

To mount dual and single Pedestal Chargers follow these steps:

1. Remove Pedestal Charger from Packaging
2. Open rear door assembly to expose nuts

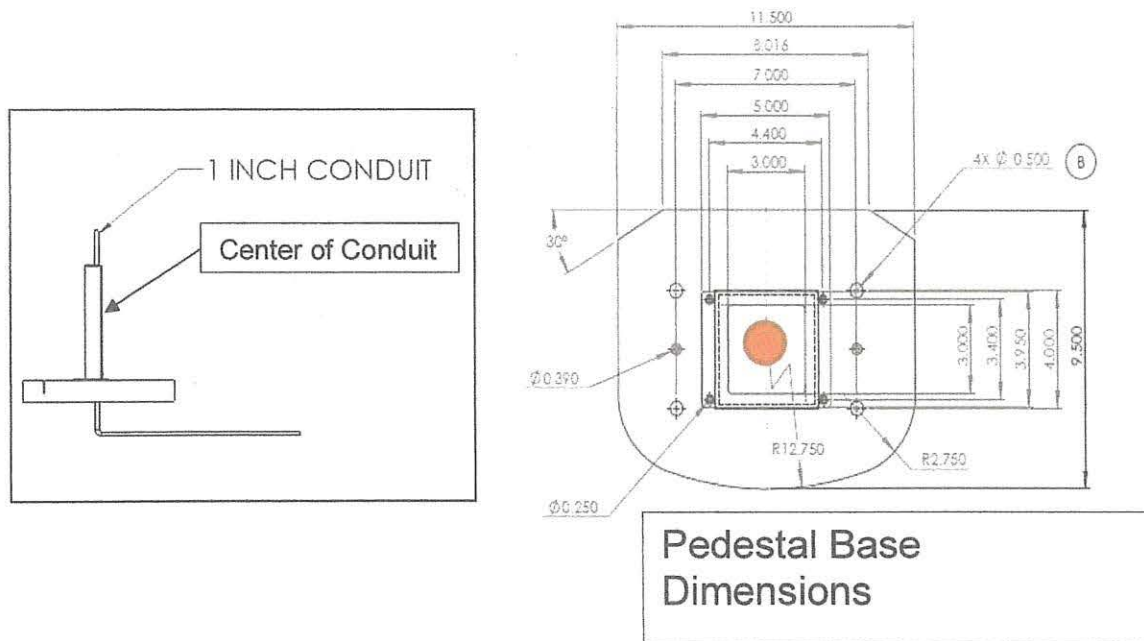


3. Remove Qty 4 Nuts to release Pedestal from EVSE Charger Unit

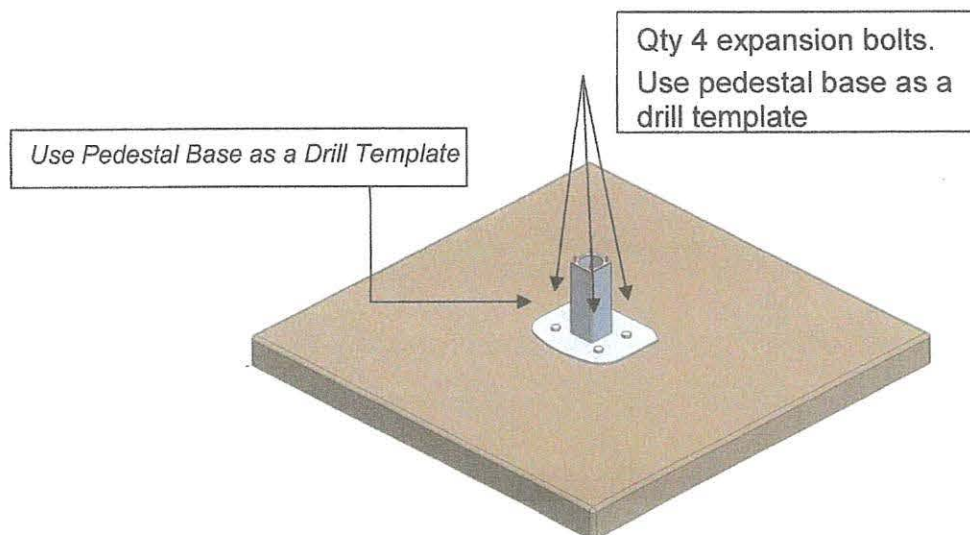
**Note:** Before bolting Pedestal Base to Concrete Slab, ensure that AC Powerlines are properly placed inside of conduit in the center of the pedestal base mounting location

Relative Location for 1" Conduit





- After freeing Pedestal Base from EVSE Charger Unit, use concrete expansion bolts to bolt pedestal base to concrete slab.



- After bolting pedestal base to concrete, attached EVSE Charger by using the nut that was previously removed in step 3 to attached EVSE Charger to Pedestal Base.
- Fasten Locknuts to 12ft-lbs as shown in figure below