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Attachment 5 – CIVIL

Attachment 5 has been deliberately left blank in this reporting period

Attachment 6 – Cultural Resources



Memorandum

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**Subject Stanton Energy Reliability Center (16-AFC-1C)
Cultural Resources Monthly Compliance Report
May 2019**

To: Tim Bofman, SERC, LLC

From: Phil Reid, Jacobs
SERC CEC Designated Cultural Resources Specialist

Date: June 2, 2019

Copies: Greg Lamberg, WPower, LLC
Sharon Stureman, SERC, LLC
Doug Davy, Jacobs
Karen Parker, Jacobs

1. Introduction

This May 2019 Monthly Compliance Report (MCR) summarizes cultural resources monitoring activities conducted and documentation prepared from May 1 through May 31, 2019 at the Stanton Energy Reliability Center (SERC) (16-AFC-1C) site located at 10711 Dale Avenue, Stanton, Orange County, California. The MCR is prepared in accordance with the current (November 2018) Cultural Resources Mitigation and Monitoring Plan (CRMMP) and as required by Condition of Certification CUL-6.

2. Personnel Active in Cultural Monitoring This Period

Gena Granger, Dawn Fulkerson and Oliver Hegge participated as CRMs for this month. Robert Dorame served as Native American Monitor.

3. Number of CRMs and NAMs on a Daily Basis

Table 1 lists the number of CRMs and NAMs on a daily basis for this month.

Table 1. Number of CRMs and NAMs Present, by Date		
Date	CRMs	NAMs
5/1/19	1	1
5/2/19	1	1
5/3/19	1	1

Table 1. Number of CRMs and NAMs Present, by Date

Date	CRMs	NAMs
5/6/19	1	1
5/7/19	1	1
5/8/19	1	1
5/9/19	1	1
5/10/19	1	1
5/13/19	1	1
5/14/19	1	1
5/15/19	1	1
5/16/19	1	1
5/17/19	1	1
5/20/19	1	1
5/21/19	1	1
5/22/19	1	1
5/23/19	1	1
5/24/19	1	1
5/28/19	1	1
5/29/19	1	1
5/30/19	1	1
5/31/19	1	1
Total CRM/NAM-Days	22	22

4. Overview of Monitoring Work and Any Issues

Project ground disturbance for this period began on Wednesday May 1, 2019. Activities monitored included mass excavation, duct bank and fire water line trenching, miscellaneous shallow excavations of fill soils on Parcels 1 and 2. Excavations occurred to depths of 5 to 10 feet. Observed fill soils included medium brown silty sand with various unsorted gravels to depth in some locations. Undisturbed native soils were observed in the deeper parts of the mass excavation on Parcel 1 beginning at approximately 1 foot, and approximately 3 feet in Parcel 2. Native soils are light to yellow, fine- to medium-grained sands underlain by similar sands with some silty gray clay. There were no cultural resource finds this month.

5. Fulfillment Requirements of Each Cultural Resources Mitigation Measure

Table 2 describes the fulfillment requirements of each cultural resources mitigation measure (Condition of Certification) and lists the state of compliance with the measure. For complete text of the measures, please see the Commission Decision.

Table 2. Fulfillment Requirements of Each Cultural Resources Mitigation Measure		
Measure	Requirements	State of Compliance
CUL-1: Appointment and Qualifications of Cultural Resources Personnel	<ul style="list-style-type: none"> Owner must appoint a designated Cultural Resources Specialist (CRS) and Alternate CRSs. CRS will manage monitoring and reporting and make recommendations regarding eligibility of finds for California Register of Historical Resources CRS may obtain services of Cultural Resources Monitors (CRMs) and Native American Monitors (NAMs) CRS may obtain services of additional technical specialists as needed. 	In compliance <ul style="list-style-type: none"> Owner has appointed CRS and Alternate CRS. CRS is directing monitoring and has made recommendations on eligibility of two finds this month. CRS has obtained services of CRMs and NAMs No additional technical specialists have been required
CUL-2: Information to be Provided to CRS	<ul style="list-style-type: none"> Owner must provide CRS with project information including the Application for Certification, cultural resources reports, data request responses, Final Staff Assessment, and Commission Decision, and project designs and maps. Owner must provide CRS with a weekly construction schedule Owner must notify CRS of any changes to construction phases. 	In compliance <ul style="list-style-type: none"> Owner has provided CRS with project information and maps Owner provides three-week lookahead schedule weekly There have been no changes to the construction phases.
CUL-3: Cultural Resources Mitigation and Monitoring Plan (CRMMP)	<ul style="list-style-type: none"> The CRS must prepare a CRMMP, including a research design, implementation schedule, identification of cultural resources personnel, plan for Native American participation, description of impact avoidance measures, plan for curation, and LORS compliance plan for human remains. 	In compliance <ul style="list-style-type: none"> The CRMMP has been prepared and approved by the CPM
CUL-4: Final Cultural Resources Report	The CRS must prepare a final Cultural Resources Report after construction is complete summarizing all field activities and including copies of all DPR forms and cultural resources reports associated with project construction.	Not applicable – construction is not completed.
CUL-5: Cultural Resources Worker Environmental Awareness Program (WEAP)	<ul style="list-style-type: none"> The CRS must prepare a WEAP training module and brochure describing the potential for cultural resources discovery, procedures to follow in case of emergency discovery, and penalties for non-compliance. All workers must receive the training during their first week on on-site employment and must sign a sheet documenting that they have received the training 	In compliance <ul style="list-style-type: none"> All workers on site have viewed the video/PowerPoint training and signed the documentation sheet (found in the Biological Resources Compliance report).
CUL-6: Cultural Resources Monitoring	<ul style="list-style-type: none"> The CRS, Alt CRS, or CRMs must be onsite to monitor ground disturbance in native (non-fill) soils. The CRS must obtain the services of a NAM to monitor ground disturbance in non-fill sediments. CRMs and NAMs must prepare a daily field report, to be submitted daily by the CRS. The CRS must prepare a Monthly Compliance Report summarizing activities of CRS, CRMs, and NAMs. The CRS must report incidents of non-compliance 	In compliance <ul style="list-style-type: none"> The CRS or CRM has monitored ground disturbance. A NAM monitored ground disturbance The CRS has submitted the daily field reports The CRS has prepared this Monthly Compliance Report There have been no incidents of

Table 2. Fulfillment Requirements of Each Cultural Resources Mitigation Measure		
Measure	Requirements	State of Compliance
	with LORS	non-compliance with LORS
CUL-7: Powers of CRS/Cultural Resources Discovery Protocol	<ul style="list-style-type: none"> The CRS has authority to halt construction in the event of a cultural resource find The CRS or CRM must record the find on Form DPR-523 and notify the CPM If human remains are found, the CRS must notify the Native American Heritage Commission. If the find would be of interest to Native Americans, the CRS must notify Native American groups that have expressed an interest in notification. 	In compliance <ul style="list-style-type: none"> No cultural resources have been found No human remains have been found No finds of interest to Native Americans have been made
CUL-8: Fill Soils	If the project will use fill from a non-commercial borrow site or deposit sediments in a non-commercial fill site, the CRS must conduct a pre-construction cultural resources survey of the site.	In compliance <ul style="list-style-type: none"> No new sources of non-commercial fill or disposal were identified for use this month.

6. Summary of the Confidential Appendix – Finds Made this Period

No cultural resources discoveries were made during monitoring activities this month.

7. Concordance Table of Artifacts

No concordance table of artifacts is needed for this month because no finds were made, and no artifacts were collected.

8. WEAP Training This Period

All on-site staff received cultural resources Worker Environmental Awareness Program (WEAP) training prior to starting work on site this month. From the May 1 through May 31, 2019, a total of 20 persons completed the SERC WEAP training. The hardcopy sign-in training logs for the May 2019 reporting period are included the Biological Resources Monthly Compliance Report.

9. Anticipated Changes in the Next Period

Installation and maintenance of site BMPs, facilities footings and grounding grid excavations will continue in the following month. A CRM will be on site to monitoring and respond to discoveries if they occur.

10. Comments, Issues or Concerns

Additional laydown and construction parking areas were identified by SERC and subjected to an intensive pedestrian survey of the new area of potential effects (APE) on May 8, 2019 by Alternate Cultural Resources Specialist, Gloriella Cardenas, M.A. RPA. The additional survey area comprised a total of 2.64 acres and consists of a vacant parcel within a Southern California Edison (SCE) right-of-way. The proposed laydown area is located adjacent and to the north of Parcels 1 and 2 of SERC, accessed from the entrance gate to Parcel 1 at North Dale Avenue, and from Parcel 2 on Pacific Street at Fern Avenue in Stanton, California. No archaeological or historic sites were discovered as a result of this investigation. The report of findings of this survey is appended

to the Petition for Post-Certification Project Change submitted to the CEC for this laydown area on May 22, 2019 and is included as Appendix A to this monthly compliance report as well.

Appendix A
Cultural Resources Survey Report
Proposed Laydown and Parking Area

Addendum to Cultural Resources Inventory Report for the Stanton Energy Reliability Center.

PREPARED FOR: Stanton Energy Reliability Center, LLC
COPY TO: Phil Reid, CRS/Jacobs
Doug Davy/Jacobs
Karen Parker/Jacobs
PREPARED BY: Gloriella Cardenas, Alternate CRS/PaleoWest
DATE: May 14, 2019

Introduction

Stanton Energy Reliability Center, LLC (SERC, LLC), a joint venture of W-Power and Wellhead Electric, proposes to develop new electrical power generation in Southern California. SERC, LLC is constructing the Stanton Energy Reliability Center (SERC) in the city of Stanton, Orange County, California. This technical memo is an addendum to the original report that was developed in support of the Application for Certification (AFC) before the California Energy Commission. This report addresses a proposed addition the project area of potential effects (APE). The addition consists of area to be used by the contractor hired by SERC, LLC to construct SERC for additional construction laydown and parking.

CH2M conducted the principal surveys in September 2016 as reported in the Cultural Resources Inventory Report for the Stanton Energy Reliability Center (Lawson and Reid 2016). The original report was filed as an appendix to the Application for Certification before the California Energy Commission for the SERC. This survey report is submitted as an Appendix to a Petition for Post-Certification Changes to the SERC license.

PaleoWest archaeologist and Alternate Cultural Resources Specialist, Gloriella Cardenas, M.A. RPA, who meets the qualifications for Archaeologist in the Secretary of the Interior's Professional Qualification Standards, conducted the addendum study and intensive pedestrian survey of the area of potential effects (APE) on May 8, 2019.

The additional survey area comprised a total of 2.64-acres and consists of a vacant parcel within a Southern California Edison (SCE) transmission line right-of-way, for proposed construction laydown and worker parking activities associated with SERC. The proposed laydown area is located adjacent and to the north of Parcel 1 of SERC, accessed from the entrance gate to Parcel 1 at North Dale Avenue, in Stanton, California.

Attachment A contains the APE map.

Environmental Setting

The additional project location is located in the city of Stanton, Orange County, California in a primarily residential area with some commercial zoning along major thoroughfares. Within the SERC study area, existing natural habitats have been entirely displaced. Prior to development, the project was located within open grasslands. Modern development and land use activities have altered the natural setting of

the proposed laydown area and has been used as a landscape plant nursery lot and SCE right-of-way for transmission towers. A concrete-lined drainage canal bisects the survey area and transmission towers are located in the western end.

Methodology

The fundamental goals of a pedestrian survey are to identify and document previously unrecorded cultural resources and to analyze cultural materials, not only to better characterize potential Project effects, but also to attempt to confirm or elaborate on our current understanding of the prehistory and history of the region. From a management perspective, the ability of specific resources to address research questions provides a basis to evaluate CRHR and NRHP eligibility.

The pedestrian survey for prehistoric and historic archaeological resources was performed using pedestrian transects spaced at 15-meter intervals throughout the APE. The APE was surveyed for cultural resources by visually inspecting the ground surface and subsurface exposures, including rodent burrows and cut banks.

Results

The terrain of the Project area, including the addendum survey area, is flat and has sustained disturbances in the form of grading and other activities associated with its previous use as a landscape plant nursery. The entirety of the addendum survey area is composed of a previously disturbed fill prism (Figure 1). Ground visibility of the survey in this addendum was very poor at under 20-percent, due to heavy vegetation and graveled areas. Disturbances to the survey area consist of construction, storage, grading, and other earth disturbing activities.

No new cultural resources were discovered as a result of this investigation.

Figure 1. Addendum Survey area, view east.



Management Considerations

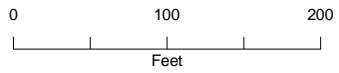
No archaeological or historic sites were discovered as a result of this investigation. Because ground visibility was so poor (Figure 2), and the adjacent SERC Parcel 1 has exposed cultural resources during excavations at just below ground surface, PaleoWest recommends that monitoring for cultural resources be conducted; there is a moderate to high potential for the discovery of buried cultural resources not detected through the surface inventory. Per the Cultural Resources Mitigation and Management Plan for SERC, if cultural resources or archaeological materials are discovered during ground-disturbing activities, the work near the discovery should cease, and the area should be protected until the find can be evaluated by a qualified archaeologist.





Figure 2. Addendum Survey area, view west.



References

Lawson, Natalie and Amy McCarthy-Reid. 2016. Cultural Resources Inventory Report for the Stanton Energy Reliability Center. Prepared for Stanton Energy Reliability Center, LLC, by CH2M HILL, Inc., Santa Ana, California.



-  Proposed SERC Laydown Yard
-  Proposed SoCalGas Laydown Yard
-  Access Lane
-  Setbacks around Transmission Towers

Notes:
Aerial Imagery - 2017

Attachment A
*Proposed New Laydown Area
 Stanton Energy Reliability Center
 Stanton, CA*

Attachment 7 - Paleontology

**Monthly Report of Paleontological Resources Monitoring
Activities for the Stanton Energy Reliability Center
Condition of Certification PAL-6
May 2019**

Prepared For: Doug Davy, Jacobs
Karen Parker, Jacobs
Prepared By: Niranjala Kottachchi, Paleontological Resources Specialist

This report covers paleontological resources monitoring activities at the Stanton Energy Reliability Center Project for the month of May 2019, as required by Condition of Certification PAL-6.

Personnel Active in Paleontological Monitoring This Period

Jeanette Maldonado was the Paleontological Resources Monitor (PRM) for this month.

Monitoring of construction activities at the Project site has been consistent throughout the month of May. Excavations continued in Parcel 1 in addition to activities in Parcel 2. Table 1 below depicts the activities which took place within each parcel week by week.

Paleontological Resources Discoveries This Period

No paleontological resources were discovered during the month of May 2019.

Anticipated Work and/or Changes in the Next Period

Excavations for additional duct banks.

Comments, Issues or Concerns

None to report.

Table 1. Monitoring and Associated Activities This Period

Week	Location	Activity	Stratigraphy	Paleontological Resources
1	Parcel 1	1. Excavation on east end to a depth of 10 feet bgs and 2 feet bgs on the south end	1. Top layer of disturbed dark brown sandy loam 3-4 feet thick followed by poorly indurated light gray to buff medium sands with orange to beige laminae visible at 4 feet bgs. At approximately 8 feet bgs, a dark gray silty clay was exposed.	No paleontological resources were observed
2	Parcel 1	1. Excavation on south end of Parcel 1 to a depth of 9 feet bgs for a	1. Same stratigraphy as above for both the south and north ends	No paleontological resources were observed

Attachment A
Daily Monitoring Logs



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/1/2019 7:35:17 AM

Project Location: Parcel 1

Weather:

Sunny

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: Ortiz and ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 east end max depth ~10' bgs; South end ~2'bgs

Scope of Construction Work Monitored/Equipment Used:

Excavator and skip loader; backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Ortiz crew used equipment to excavate some portions at the north east end of parcel 1 for the first half of the day, after which they continued to fill with base and compact. ARB started excavations along the south end of Parcel 1 for a step along the fence.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs. At just about 8'bgs a dark grey silty clay was exposed.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue tomorrow

Attachments (Y/N): ☒ Yes ☐ No

Photograph Record:

5/1/2019 8:00:02 AM



Excavation at ~10'bgs



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/2/2019 9:34:27 AM

Project Location: Parcel 1

Weather:
Partly cloudy

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: Ortiz

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 north east corner max depth

Scope of Construction Work Monitored/Equipment Used:

Excavator

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Ortiz crew used equipment to excavate some portions at the north east end of parcel 1 and load haul trucks.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations are planned for tomorrow

Attachments (Y/N):

☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/3/2019 1:27:47 PM

Project Location: Parcel 1

Weather:

Partly cloudy 72

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: Ortiz

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 east end max depth ~10'

Scope of Construction Work Monitored/Equipment Used:

Excavator, dozer, skip loader

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Ortiz crew used equipment to excavate some portions at the north east end of parcel 1 and load haul trucks.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue on monday

Attachments (Y/N): ☒ Yes ☐ No

Photograph Record:

5/3/2019 1:30:36 PM



North east corner of excavation



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/7/2019 2:08:20 PM

Project Location: Parcel 1

Weather:

Cloudy 70

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: Ortiz ad ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 north end depth ~9'bgs; South end excavation ~7'bgs

Scope of Construction Work Monitored/Equipment Used:

Skip loader and dozer; miniex

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a mini ex to excavate along the south end of parcel 1 for a Duct bank. Ortiz used a dozer to clean up and grade along the slope and bottom of the cut at the north end of parcel 1.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today.

Additional Comments:

None

Plan for tomorrow:

Excavations are planned to continue tomorrow.

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/6/2019 1:59:33 PM

Project Location: Parcel 1

Weather:

Partly cloudy 70

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB and Ortiz

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 South excavation depth ~6'bgs; north excavation depth ~8'bgs

Scope of Construction Work Monitored/Equipment Used:

Mini ex; dozer

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a mini ex to excavate along the south end of parcel 1 for a Duct bank. Ortiz used a dozer to clean up and grade along the slope and bottom of the cut at the north end of parcel 1.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue tomorrow

Attachments (Y/N): ☒ Yes ☐ No

Photograph Record:

5/6/2019 1:59:39 PM



Dozer cutting the north wall for a Duct bank



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/8/2019 9:18:29 AM

Project Location: Parcel 1

Weather:

Cloudy 65

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 along the south wall max depth ~7'bgs

Scope of Construction Work Monitored/Equipment Used:

Mini excavator

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a mini ex to excavate along the south end of parcel 1 for a Duct bank.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

CEC personnel visited the site and monitors were asked questions pertaining to the project activities.

Plan for tomorrow:

Excavations with both ARB and Ortiz are planned to continue tomorrow.

Attachments (Y/N): ☒ Yes ☐ No

Photograph Record:

5/8/2019 9:18:35 AM



Mini ex excavating along south end of parcel 1



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/9/2019 2:08:36 PM

Project Location: Parcel 1

Weather:

Cloudy 65

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: Ortiz

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 north end max depth ~9'bgs

Scope of Construction Work Monitored/Equipment Used:

Dozer

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Ortiz used a dozer to clean up and grade along the slope and bottom of the cut at the north end of parcel 1 for a Duct bank

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue tomorrow

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/10/2019 2:37:27 PM

Project Location: Parcel 1

Weather:

Cloudy; AM showers

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ORTIZ

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 north end ~7'bgs

Scope of Construction Work Monitored/Equipment Used:

Dozer

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Ortiz used a dozer to clean up and grade along the slope and bottom of the cut at the north end of parcel 1 for a Duct bank

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will resume on Monday

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/13/2019 1:06:12 PM

Project Location: Parcel 1

Weather:
Overcast 67

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 running west along south wall; depth ~7'bgs

Scope of Construction Work Monitored/Equipment Used:

Miniexcavator

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a mini ex to excavate along the south end of parcel 1 for a Duct bank.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue tomorrow

Attachments (Y/N): ☒ Yes ☐ No

Photograph Record:

5/13/2019 1:09:43 PM



Miniex excavating along south end



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/14/2019 2:27:19 PM

Project Location: Parcel 1

Weather:
Overcast 70

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 going west along the south wall approximately 7'bgs

Scope of Construction Work Monitored/Equipment Used:

Miniexcavator

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a mini ex to continue excavations along the south end of parcel 1 for a Duct bank.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue tomorrow

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/15/2019 1:11:53 PM

Project Location: Parcel 1

Weather:

Cloudy 65

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 South end and north end

Scope of Construction Work Monitored/Equipment Used:

Miniexcavator; backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a mini ex to continue excavations along the south end of parcel 1 for a Duct bank ~7' in depth. They reached the western limit and will continue at the east end sometime next week. ARB also used a backhoe to grade ~6inches at the bottom of the north trench (~9'bgs) for conduit.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue tomorrow dependent on the rain.

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/16/2019 2:31:11 PM

Project Location: Parcel 1

Weather:

Rain in the AM; sunny PM 68

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 north end

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a backhoe to grade ~6inches at the bottom of the north trench (~9'bgs) for conduit. They also cut along the north wall to slope it for the conduit trench.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations are planned to continue tomorrow

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/17/2019 8:13:43 AM

Project Location: Parcel 1

Weather:

Sunny 70

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 north end max depth ~9'bgs

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a backhoe to cut a segment out of the north wall of the parcel, connecting to the north conduit. They also started to grade along the bottom of the trench moving east to bring the trench floor to grade.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations are planned to continue on monday

Attachments (Y/N): ☒ Yes ☐ No

Photograph Record:

5/17/2019 2:20:04 PM

Segment cut into the north wall along north conduit



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/20/2019 2:09:52 PM

Project Location: Parcel 1

Weather:

Sunny 72 moderate winds

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

North Duct bank in parcel 1; max depth ~9'bgs

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a backhoe to grade along the bottom of the north trench moving east to bring the trench floor to grade. They also cut out a segment along the north wall of the trench to instal shoring

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations showed a top layer of disturbed dark brown sandy loam roughly 3-4' thick, followed by a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue tomorrow

Attachments (Y/N): ☒ Yes ☐ No

Photograph Record:

5/20/2019 2:09:57 PM



north Duct bank excavations



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/21/2019 2:29:54 PM

Project Location: Parcel 1

Weather:

Partly cloudy 71 moderate winds

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

North Duct bank in parcel 1; max depth ~9'bgs

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a backhoe to continue grading along the bottom of the north trench moving east to bring the trench floor to grade.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 1 excavations were within a poorly-indurated, fine/moderately-sorted, sub-rounded, light gray to buff fine-med sand (quartz-rich) with orange/beige laminae staining exposed at ~4ft bgs.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue tomorrow

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/22/2019 2:17:48 PM

Project Location: Parcel 1

Weather:

Sunny 71

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

N/A

Scope of Construction Work Monitored/Equipment Used:

None

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

Monitors were on standby for the day. No excavations occurred in undisturbed sediment.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

N/A

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

N/A

Plan for tomorrow:

Excavations may resume tomorrow.

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/23/2019 12:23:56 PM

Project Location: Parcel 2

Weather:

Partly cloudy with moderate winds 68

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 2 running west from bridge abutment; max depth ~3'bgs

Scope of Construction Work Monitored/Equipment Used:

CASE backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a backhoe to excavate for a fire waterline, north adjacent to demineralization tank.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 2 excavations showed a top layer of disturbed dark brown sandy loam roughly 3' thick.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue tomorrow

Attachments (Y/N): ☒ Yes ☐ No

Photograph Record:

5/23/2019 2:36:01 PM



Excavation in parcel 2



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/24/2019 1:53:51 PM

Project Location: Parcel 2

Weather:

Sunny 72

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 2 running west from bridge abutment; max depth ~3'bgs

Scope of Construction Work Monitored/Equipment Used:

CASE Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a backhoe to continue excavation for a fire waterline, north adjacent to demineralization tank.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Parcel 2 excavations showed a top layer of disturbed dark brown sandy loam roughly 3' thick.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will resume on Tuesday, after Memorial Day.

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/28/2019 7:26:48 AM

Project Location: Parcel 1

Weather:

Sunny 71

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 west end of south trench (66kv)

Scope of Construction Work Monitored/Equipment Used:

CASE Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a backhoe to grade and compact the west end of the south trench for concrete truck to access. Max depth ~2'bgs

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Ground disturbance was on the surface 2' which consist of a dark brown sandy silt loam

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations are planned to continue

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/29/2019 7:32:03 AM

Project Location: Parcel 1 & 2

Weather:

Sunny 73

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 east end of south trench (66kv); Parcel 2 east end of parcel along the channel

Scope of Construction Work Monitored/Equipment Used:

Mini excavator; CASE backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a mini excavator to bench off the walls of the east end of the 66kv line where they left off last week. They graded and prepped for excavations but stopped for the day due to lack of shoring. They will excavate the trench once they get the delivery of shoring. ARB also used a backhoe to excavate a small trench with a depth of ~2' in Parcel 2.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Excavations didn't exceed 3'bgs. Sediment observed was a dark brown sandy loam of disturbed sediment with pieces of trash and wood from the surface.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavations will continue for the 66kv line once shoring is delivered.

Attachments (Y/N):

☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/30/2019 7:40:12 AM

Project Location: Parcel 1

Weather:

Sunny 70

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 along north fence line closer to Dale Ave.

Scope of Construction Work Monitored/Equipment Used:

Shovels

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB dug a shallow pit 4in depth by 2'x2' at the surface.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Excavations occurred on the surface fill, dark brown disturbed silty loam.

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

ARB is waiting for more shoring; excavations for the 66kv line is anticipated to start back up on Monday. Some minor excavations may occur tomorrow.

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:



Daily Monitoring Report - Paleontology

Project Name: Stanton Energy Paleontology

Date: 5/31/2019 2:11:10 PM

Project Location: Parcel 1

Weather:

AM overcast; sunny PM

Monitor(s): jmaldonado

Work Start Time: 0630

Work End Time: 1500

Construction Company: ARB

Contact(s): Tim Bofman

Did the (sub)contractors work more than 8 hours (Y/N)?

☐ Yes ☒ No

Was the Safety Briefing Attended/Signed:

☒ Yes ☐ No

Project Description:

Parcel 1 66kv east end

Scope of Construction Work Monitored/Equipment Used:

Backhoe

Monitoring Methods (spot check, screening, bulk, sample collecting, etc):

ARB used a backhoe to remove a layer of base sitting on top of where the rest of the east end of the 66kV Line will extend, grazing a bit of undisturbed sediment soon the south wall.

Approximate Dimensions of Construction Area Monitored/Survey Area:

Geologic Unit(s) Observed:

Some of the fine orange/beige sands were exposed during excavations along the south wall at ~4-5' bgs

Lithologic Description(s):

Observations of Paleontological Resources:

No paleontological resources were discovered today

Additional Comments:

None

Plan for tomorrow:

Excavation of the 66kv line is said to resume on Monday.

Attachments (Y/N): ☐ Yes ☒ No

Photograph Record:

Attachment 8 – ELEC-1

MEMORANDUM – DCBO APPROVAL

DATE: May 3, 2019

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan N. Vallow, P.E., Senior Electrical Engineer
NV5, Inc.
Alan.Vallow@nv5.com
209.329.0765

CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_ELEC-1-1.0_ELEC UG & DUCTBANK RCWY PLANS_190423_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.

Attachment 9 – GEN-2 Master Drawing List

Attachment 9 has been deliberately left blank in this reporting period

Attachment 10 – GEN-3 CBO Payment

[Home](#) [Accounts](#) [Payments](#) [Transfers](#) [Check Services](#) [Tools](#)

Timeout: 0:14:54

View US Wire

Use this page to view a US Wire

[Help](#)[View Payment History](#)

Payment Information

Status	Confirmed
Confirmation Number	IMAD:0516L4B74B1C000541
Payment Number	49040900
Debit Account	SERC OP - *****6538
Debit Amount	142,596.90 USD
Value Date	05/16/2019
Send Date	05/16/2019
Frequency	One-Time Only
Reference for Recipient	Inv#122270
Details of Payment	Project No. 550818-0000020.00
Ordering Customer	

Recipient Information

Recipient	NV5 Inc. Account Number [REDACTED] 200 S Park Road STE 350 Hollywood, FL 33021-8798
Recipient Bank	BANK OF AMERICA, N.A., NY [REDACTED] NEW YORK NY UNITED STATES

Options

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Attachment 11 – GEN-6 Special Inspectors

**FIELD REPORT****REPORT DATE:** May 24, 2019**TRIP DATE:** May 14–15, 2019**CLIENT:** Stanton Energy Reliability Center**CONTACT:** Tim Bofman**WEATHER:** Partly cloudy; temperatures 60–70 deg F**PROJECT:** Stanton Energy Reliability Center**LOCATION:** Stanton, CA**POWER REP.:** Joe Bondank**TRIP PURPOSE:** Underground Electrical Observation and Coordination with Electrical Contractor**CONSTRUCTION AREAS OBSERVED:**

Activity No.	Description
1	Demin water area underground conduit and grounding stub-ups: conduits installed from MCC to water treatment equipment foundations and sleeper cable tray. Grounding installed and pigtails available. Ready for backfill.
2	South roadway underground 66-kV ductbank: shoring boxes installed, portions of conduit rack assembled with factory spacers and installed.
3	NH3 Storage area and gas compressor area underground conduit and grounding stub-ups: conduits installed. Grounding installed and pigtails available.
4	CTG2 area underground conduit and grounding stub-ups: In-process area with foundations being formed, some conduits installed and temporarily supported. Some grounding installed and pigtails available.

DISCREPANCIES:

Activity No.	Description
1	None noted.

NOTES:

Contractor requesting additional detail and coordination on Trenwa elevation and conduit entry into Trenwa.
Contractor requesting additional information in grounding stub-up locations at foundations.
Contractor requesting clarification to GE design documents – grounding and cable types.

CONCLUSION:

Construction observation during this site visit is in conformance with the design intent.

FIELD REPORT

PHOTOS:



5/14/2019: NH3 Area Conduit Stub-Ups



5/14/2019: Substation Area

FIELD REPORT

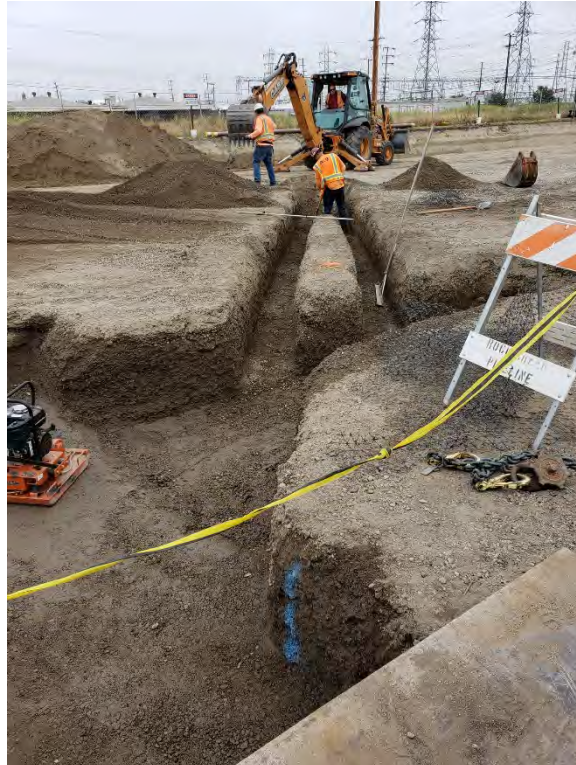


5/14/2019: South Roadway Shoring Boxes



5/14/2019: 66-kV Duct Bank

FIELD REPORT



5/14/2019: CTG2 Area



5/15/2019: NH3 Area



FIELD REPORT

REPORT DATE: May 28, 2019**TRIP DATE:** March 26–31, 2019**CLIENT:** Stanton Energy Reliability Center**CONTACT:** Tim Bofman**WEATHER:** Partly cloudy; temperatures 60–70 deg F**PROJECT:** Stanton Energy Reliability Center**LOCATION:** Stanton, CA**POWER REP.:** Bill Romines Jr.**TRIP PURPOSE:** Resident Engineer Site Visit, Earthwork Operation, Bridge Construction

CONSTRUCTION AREAS OBSERVED:

Activity No.	Description
1	Earthwork being hauled away from Parcel 1, continuous clean up on both Parcels and entrances at public road.
2	Excavation and backfill for combustion turbine areas.
3	Excavation, formwork, and rebar work for Bridge, Bridge wingwalls, NH3 Storage, and Demin Tank.
4	South roadway underground duct bank being assembled, flowable fill base, Unistrut type rack, and fiberglass 90's.

DISCREPANCIES:

Activity No.	Description
1	None not already noted.

NOTES:

Challenges with keeping disposal of earthwork in spec with requirements of landfill. Alternate sites being sought.
Earthwork equipment was smaller than expected due to a very narrow site but no less effective than bigger equipment on sites that have more space.
ARB constructed a novel "foot bridge" across the OC Flood Control Channel.
SCE may clear property to the north and allow use as laydown.

CONCLUSION:

Construction observation during this site visit is in conformance with the design intent.

FIELD REPORT

PHOTOS:



3/26/2019: Demin Tank Formwork



3/26/2019: Bridge Formwork and Reinforcement

FIELD REPORT



**3/27/2019: NH3 Formwork and Rebar, Duct Bank Along South,
and Substation Earthwork**

c: Jessica Jordan (SERC)
sercproject@wpowerllc.com
Tom Tinucci (SERC)
Christi Scapillato (POWER)
Janes Heaney (POWER)
Joe Bondank (POWER)

Attachment 12 – Gen-7 Discrepancy

<Attachment 12 has been deliberately left blank in this reporting period>

Attachment 13 – GEN-8 Final Inspections

< Attachment 13 has been deliberately left blank in this reporting period >

Attachment 14 – SOIL&WATER-4 Water Use

MONTHLY WATER USAGE LOG

April 2019

Meter 6917650, 10711 Dale Street, Stanton CA

Date	Reading	Usage CF
4/29/2019	21840	
4/30/2019	22510	
5/1/2019	23140	630
5/2/2019	24080	940
5/3/2019	24680	600
5/6/2019	25500	820
5/7/2019	26320	820
5/8/2019	26960	640
5/9/2019	27290	330
5/10/2019	27900	610
5/13/2019	28500	600
5/14/2019	29020	520
5/15/2019	29440	420
5/16/2019	29580	140
5/17/2019	29740	160
5/20/2019	29950	210
5/21/2019	30140	190
5/22/2019	30550	410
5/23/2019	30610	60
5/24/2019	30800	190

5/27/2019	30800	0
5/28/2019	31470	670
5/29/2019	31870	400
5/30/2019	32440	570
5/31/2019	32690	250
TOTAL		10180

Attachment 15 – SOIL&WATER-8 Encroachment Permit

< Attachment 15 has been deliberately left blank in this reporting period >

Attachment 16 – STRUC-1 CBO Approvals

MEMORANDUM – DCBO APPROVAL

DATE: May 13, 2019

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC.

FROM: Jack Abcarius, P.E., Structures Group Director
NV5, Inc.
Jack.Abcarius@NV5.com
858.385.2128

CC: Eric Rodriguez, Lead Engineer
NV5

SERC_16-AFC-01
--- REVIEWED ---
This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Opinions & Errors on documents shall not be valid and all codes and Laws must be complied with.

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE, o=NV5, Inc., ou=Energy, email=eric.rodriguez@nv5.com, c=US
Reason: Reviewed for Code Compliance (by Jack Abcarius).
Date: 2019.05.13 15:59:32 -07'00'

SUBMITTAL: SERC_16-AFC-01_STRUC-1-1.0_X1_BRIDGE DESIGN_190425_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.

MEMORANDUM – DCBO APPROVAL (FOUNDATION ONLY)

DATE: May 16, 2019

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Eric Rodriguez, S.E., Lead Engineer
NV5, Inc.
Eric.rodriquez@nv5.com
714.612.8977

CC: Kevin Wedman, CBO
NV5, Inc.

SERC_16-AFC-01
--- REVIEWED ---
This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with.

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE, o=NV5, Inc., ou=Energy, email=eric.rodriquez@nv5.com, c=US
Reason: Reviewed for Code Compliance - FOUNDATION ONLY (by Alan Ho, SE).
Date: 2019.05.16 11:05:40 -07'00'

SUBMITTAL: SERC_16-AFC-01_STRUC-1-3.0_FDN PLANS & CALCS_190513_PC3

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal for **FOUNDATION ONLY**, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Final approval will be contingent upon CBO verification, review and approval of the superstructure loads utilized in the design of the foundation systems.

Should you have any questions or need additional information, please feel free to contact me.

MEMORANDUM – DCBO APPROVAL (FOUNDATION ONLY)

DATE: May 16, 2019

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Eric Rodriguez, S.E., Lead Engineer
NV5, Inc.
Eric.rodriquez@nv5.com
714.612.8977

CC: Kevin Wedman, CBO
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_STRUC-1-11.0_EQUIP & SYS FDN PLAN & CALCS_190510_PC2

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal for **FOUNDATION ONLY**, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Final approval will be contingent upon CBO verification, review and approval of the superstructure loads utilized in the design of the foundation systems.

Should you have any questions or need additional information, please feel free to contact me.

SERC_16-AFC-01

--- REVIEWED ---

This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with.

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE, o=NV5, Inc.,
ou=Energy, email=eric.rodriquez@nv5.
com, c=US
Reason: Reviewed for Code Compliance
- FOUNDATION ONLY (by Alan Ho, SE).
Date: 2019.05.16 08:09:30 -07'00'

MEMORANDUM – DCBO APPROVAL (FOUNDATION ONLY)

DATE: May 16, 2019

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Eric Rodriguez, S.E., Lead Engineer
NV5, Inc.
Eric.rodriquez@nv5.com
714.612.8977

CC: Kevin Wedman, CBO
NV5, Inc.

SERC_16-AFC-01
--- REVIEWED ---
This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with.

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE, o=NV5, Inc., ou=Energy, email=eric.rodriquez@nv5.com, c=US
Reason: Reviewed for Code Compliance - FOUNDATION ONLY (by Alan Ho, SE).
Date: 2019.05.16 10:50:37 -07'00'

SUBMITTAL: SERC_16-AFC-01_STRUC-1-8.0_GSU XFMR FDN PLAN & CALCS_190510_PC3

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal for **FOUNDATION ONLY**, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Final approval will be contingent upon CBO verification, review and approval of the superstructure loads utilized in the design of the foundation systems.

Should you have any questions or need additional information, please feel free to contact me.

MEMORANDUM – DCBO APPROVAL (FOUNDATION ONLY)

DATE: May 22, 2019

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Eric Rodriguez, S.E., Lead Engineer
NV5, Inc.
Eric.rodriquez@nv5.com
714.612.8977

CC: Kevin Wedman, CBO
NV5, Inc.

SERC_16-AFC-01
--- REVIEWED ---
This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with.

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE, o=NV5, Inc., ou=Energy, email=eric.rodriquez@nv5.com, c=US
Reason: Reviewed for Code Compliance - FOUNDATION ONLY (by Alan Ho, SE).
Date: 2019.05.22 10:43:44 -07'00'

SUBMITTAL: SERC_16-AFC-01_STRUC-1-9.0_DEM, RO SKID, WTR TRMNT FDN_190517_PC3

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal for **FOUNDATION ONLY**, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Final approval will be contingent upon CBO verification, review and approval of the superstructure loads utilized in the design of the foundation systems.

Should you have any questions or need additional information, please feel free to contact me.

MEMORANDUM – DCBO APPROVAL (FOUNDATION ONLY)

DATE: May 22, 2019

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Eric Rodriguez, S.E., Lead Engineer
NV5, Inc.
Eric.rodriquez@nv5.com
714.612.8977

CC: Kevin Wedman, CBO
NV5, Inc.

SERC_16-AFC-01
--- REVIEWED ---
This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with.

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE, o=NV5, Inc., ou=Energy, email=eric.rodriquez@nv5.com, c=US
Reason: Reviewed for Code Compliance - FOUNDATION ONLY (by Alan Ho, SE).
Date: 2019.05.22 10:16:46 -07'00'

SUBMITTAL: SERC_16-AFC-01_STRUC-1-10.0_SWYD FDN_190405_PC2

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal for **FOUNDATION ONLY**, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Final approval will be contingent upon CBO verification, review and approval of the superstructure loads utilized in the design of the foundation systems.

Should you have any questions or need additional information, please feel free to contact me.

MEMORANDUM – DCBO APPROVAL

DATE: May 28, 2019

TO: Engineering Manager
Stanton Energy Reliability Center, LLC/W Power, LLC

FROM: Alan Ho, S.E., Senior Structural Engineer
NV5, Inc.
Alan.Ho@nv5.com
916.346.8866

CC: Eric Rodriguez, Lead Engineer
NV5, Inc.

SUBMITTAL: SERC_16-AFC-01_STRUC-1-12.0_STEEL FRAMING PLANS & CALCS_190510_PCF

MEMORANDUM:

This memorandum is to inform you that NV5, the Delegate CBO for the **STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**, has reviewed the subject submittal, and deemed it compliant with the 2016 California Building Standards Code (CBSC) and applicable Laws, Ordinances, Regulations and Standards (LORS).

Should you have any questions or need additional information, please feel free to contact me.

SERC_16-AFC-01

--- REVIEWED ---

This review is intended only to verify conformity to the 2016 edition of the California Building Standards. It does not relieve Contractor and Applicant of responsibility for requirements of Project drawings and specifications. No responsibility is assumed for fabrication or construction techniques, correctness of quantities or dimensions, or coordination of work with other trades. Omissions & Errors on documents shall not be valid and all codes and Laws must be complied with.

Digitally signed by Alan Ho
Reason: Reviewed for Code
Compliance.

Date: 2019.05.29 08:53:47
-07'00'

Attachment 17 – TRANS-1 Permits

< Attachment 17 has been deliberately left blank in this reporting period >

Attachment 18 – Safety Inspection Report



SERC – PSC MONTHLY SAFETY INSPECTION COMPLIANCE REPORT

MAY 2019

The following information for the SERC Project safety inspection and compliance to the site as required by CEC, CBO and Wellhead in the month of May 2019.

We have been in compliance with all safety policies and procedures on the SERC project. Personnel have been participating in our Personal Safety Commitment observation program and stop work responsibility has been a big focus to our constantly changing safety culture. We have had One (1) reported Near Miss by Michael Malsy (W-Power) stepping on a board with nails in it, almost penetrated the sole of his boot. It was discussed and reiterated to our Supervision that housekeeping of broken boards and/or forms with nails in them must be attended to immediately and policed up.

We have been processing a number of new Personnel for ARB and our Sub-Contractors through the SERC WEAP Orientation and SERC Site specific Safety training. Badges for accountability and security purposes are being issued and parking for all craft workers has been established at the Bethel Church off of Dale Street. Parking there has been good and the effort has been closely coordinated.

We have filed with the FAA for crane operation within Airport or Airfield facilities near project site. Case is still pending at this time. The Cal-OSHA permit and request for variance to the personnel elevator that they are currently requiring for the project exhaust stacks. That variance has been approved and they will be mailing it to this address very soon.

We have talked about Lessons Learned & General Safety, JSA's & Permits, Properly Conducting & Filling out an Observation, Task Instructions Role Playing and Working the Heat & Overhead Power Lines as the topics in our all hands safety meetings for the month of May 2019. We have applied special emphasis on staying hydrated again as it is starting to warm up and summer is fast approaching. We are also emphasizing the use of spotters at all times especially around the overhead power lines.

No Injuries have been observed or reported and no first aids, recordables or loss time Injuries to report for this month.

Tim Draper,

ARB, Inc. Safety Manager,

SERC Project Safety

tdraper@prim.com

(949) 678-1643

Attachment 19 – CIVIL-3 Non-Compliance Reports

<Attachment 19 has been deliberately left blank in this reporting period>

Attachment 20 - COM-6 Filings & Permits to/by Government Agencies

From: noreply@digalert.org
To: ntasich@prim.com
Subject: DigAlert Confirmation for Ticket A190280441-06B
Date: Monday, May 20, 2019 1:16:41 PM

EXTERNAL EMAIL

EMLCFM 01886B USAS 05/20/19 13:16:39 A190280441-06B RNEW NORM POLY LREQ

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DO NOT REPLY TO THIS EMAIL.

This is not a certified copy of the ticket.

Ticket: A190280441 Rev: 06B Created: 05/20/19 13:16 User: DIRECT Chan: WEB

Work Start: 05/20/19 13:16 Legal Start: 05/20/19 13:16 Expires: 06/17/19 23:59

Response required: N Priority: 2

Excavator Information

Company: ARB, INC.
Co Addr: 26000 COMMERCE CENTRE DRIVE
City : LAKE FOREST State: CA Zip: 92630
Created By: NICHOLAS TASICH Language: ENGLISH
Office Phone: 949-598-9242 SMS/Cell:
Office Email: NTASICH@PRIM.COM

Site Contact: RUBEL MARTINEZ
Site Phone: 661-343-1481 Site SMS/Cell:
Site Email:

Excavation Area

State: CA County: ORANGE Place: STANTON
Zip:
Location: Address/Street: 10711 DALE AVE
: X/ST1: MONROE AVE
:
: AREA BOUNDED E/BY DALE AVE, S/BY APPROX 305FT N/OF N/INTER OF
MONROE
: AVE, W/BY APPROX 1397FT W/OF DALE AVE, N/BY APPROX 441FT N/OF
N/INTER
: OF MONROE AVE;

Delineated Method: WHITEPAINT

Work Type: INSTALL UGRND UTIL, BRIDGE WORK, WALL WORK
Work For : WELLHEAD ELECTRIC
Permit: 16-AFC-01 Job/Work order:
1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N

Lat/Long

Center Generated (NAD83): 33.807366/-117.989592 33.807418/-117.984107
: 33.806196/-117.989581 33.806248/-117.984096
Excavator Provided: 33.806648/-117.984594 33.807001/-117.984598
: 33.806951/-117.989093 33.806613/-117.989092

Map link:

https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=1Am8u0x8lFk2nBn-1

Comments:

****RESEND**UPDATE ONLY-WORK CONT PER NICK TASICH--[JLL 02/15/2019 10:37:32 AM]**
****RESEND**REQUEST REMARKS FROM ALL-WORK CONT W/SIDE TO APPROX 100FT W/OF THE**

W/SIDE OF DALE AVE (TO FENCE LINE) FRM APPROX 305 N/OF THE N/INTER OF MONROE AVE
N/TO APPROX 441FT N/OF MONROE AVE. PER NICK TASICH--[JLL 02/15/2019 10:38:02 AM]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 03/14/19 13:21]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 04/10/19 07:48]
RENEW TICKET WORK CONTINUING PER JOSH KRAHL--[DIRECT 05/02/2019 08:52 AM]
RENEW TICKET WORK CONTINUING PER THOMAS JIMENEZ--[DIRECT 05/20/2019 01:16 PM]

Members:

ATTD SOUTH AT&T DISTRIBUTION - PHONE	ATT DAMAGE PREVENTION HO	510-645-2929
GAR01 C/OF GARDEN GROVE-WATER	LES RUITEMSCHILD	714-290-8986
MWD05 METROPOLITAN WATER	CONTROL ROOM	714-577-5011
SCG28T SC GAS BREA -TRANSMISSION	ADAM JUAREZ	714-634-3196
SCG2XN SC GAS - GARDEN GROVE	LEAD DISPATCHER - CHUCK	800-603-7060
SCW2M GOLDEN STATE WATER - GARDENA	DAVID CATHCART	310-660-0320
SCW2P SO CAL WATER(GOLDEN ST WTR)	GILBERT ESTRADA	562-547-
7073xCELL		
USCE03 UTILIQUEST 4 SCE-NO OR COAST	SC EDISON PERSONNEL	800-611-1911
USCETT84SE UTIL 4 SCE TRNS TELECOM-FIB	TCC	800-655-8844
UTWCCORG UTILIQUEST 4 CHARTER COMM C	Information not provided	

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Note!: This email originated from outside our organization. Be cautious when opening Links and Attachments that you were not expecting.

From: noreply@digalert.org
To: ntasich@prim.com
Subject: DigAlert Confirmation for Ticket A190280541-06B
Date: Wednesday, May 29, 2019 7:58:17 AM

EXTERNAL EMAIL

EMLCFM 00414B USAS 05/29/19 07:58:15 A190280541-06B RNEW NORM POLY LREQ

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This is not a certified copy of the ticket.

Ticket: A190280541 Rev: 06B Created: 05/29/19 07:57 User: DIRECT Chan: WEB

Work Start: 05/29/19 07:57 Legal Start: 05/29/19 07:57 Expires: 06/26/19 23:59

Response required: N Priority: 2

Excavator Information

Company: ARB, INC
Co Addr: 26000 COMMERCE CENTRE DRIVE
City : LAKE FOREST State: CA Zip: 92630
Created By: NICK TASICH Language: ENGLISH
Office Phone: 310-874-9612 SMS/Cell: 310-874-9612
Office Email: NTASICH@PRIM.COM

Site Contact: RUBEL MARTINEZ
Site Phone: 661-343-1481 Site SMS/Cell:
Site Email:

Excavation Area

State: CA County: ORANGE Place: STANTON
Zip:
Location: Address/Street: 10711 DALE AVE
: X/ST1: STANDUSTRIAL ST
:
: IN REAR OF ADDRESS
: ** CALL WITH ETA **

Delineated Method: WHITEPAINT

Work Type: MACHINE EXCAVATION, AUGERING, DRILLING, HAND EXCAVATION

Work For : WELLHEAD ELECTRIC

Permit: 16-AFC-01

Job/Work order:

1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N

Lat/Long

Center Generated (NAD83): 33.808179/-117.985005 33.808186/-117.984017
: 33.806210/-117.984990 33.806217/-117.984002

Excavator Provided:

Map link:

https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=1BlEo7u7q2tyr6o-v

Comments:

RESENDUPDATE ONLY-WORK CONT PER NICK TASICH--[WEBUBW 02/22/19 09:28]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:14]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:18]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 04/16/19 08:45]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[DIRECT 05/07/2019 08:58 AM]

RENEW TICKET WORK CONTINUING PER NICK TASICH--[DIRECT 05/29/2019 07:57 AM]

Members:

ATTDSOUTH AT&T DISTRIBUTION - PHONE	ATT DAMAGE PREVENTION HO	510-645-2929
GAR01 C/OF GARDEN GROVE-WATER	LES RUITEMSCHILD	714-290-8986
MWD05 METROPOLITAN WATER	CONTROL ROOM	714-577-5011
SCG28T SC GAS BREA -TRANSMISSION	ADAM JUAREZ	714-634-3196
SCG2XN SC GAS - GARDEN GROVE	LEAD DISPATCHER - CHUCK	800-603-7060
SCW2M GOLDEN STATE WATER - GARDENA	DAVID CATHCART	310-660-0320
SCW2P SO CAL WATER(GOLDEN ST WTR)	GILBERT ESTRADA	562-547-
7073xCELL		
USCE03 UTILIQUEST 4 SCE-NO OR COAST	SC EDISON PERSONNEL	800-611-1911
USCETT84SE UTIL 4 SCE TRNS TELECOM-FIB TCC		800-655-8844
UTWCCORG UTILIQUEST 4 CHARTER COMM C	Information not provided	

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Note!: This email originated from outside our organization. Be cautious when opening Links and Attachments that you were not expecting.

From: noreply@digalert.org
To: ntasich@prim.com
Subject: DigAlert Confirmation for Ticket A190280543-06B
Date: Wednesday, May 29, 2019 7:58:19 AM

EXTERNAL EMAIL

EMLCFM 00415B USAS 05/29/19 07:58:17 A190280543-06B RNEW NORM POLY LREQ

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Ticket: A190280543 Rev: 06B Created: 05/29/19 07:57 User: DIRECT Chan: WEB

Work Start: 05/29/19 07:57 Legal Start: 05/29/19 07:57 Expires: 06/26/19 23:59

Response required: N Priority: 2

Excavator Information

Company: BILL'S BACKHOE
Co Addr: 13203 BARLIN AVE
City : DOWNEY State: CA Zip: 90242
Created By: NICK TASICH Language: ENGLISH
Office Phone: 310-874-9612 SMS/Cell: 310-874-9612
Office Email: NTASICH@PRIM.COM

Site Contact: RUBEL MARTINEZ
Site Phone: 661-343-1481 Site SMS/Cell:
Site Email:

Excavation Area

State: CA County: ORANGE Place: STANTON
Zip:
Location: Address/Street: 10711 DALE AVE
: X/ST1: STANDUSTRIAL ST
:
: IN REAR OF ADDRESS
: ** CALL WITH ETA **

Delineated Method: WHITEPAINT

Work Type: MACHINE EXCAVATION, AUGERING, DRILLING, HAND EXCAVATION

Work For : WELLHEAD ELECTRIC

Permit: 16-AFC-01

Job/Work order:

1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N

Lat/Long

Center Generated (NAD83): 33.808179/-117.985005 33.808186/-117.984017
: 33.806210/-117.984990 33.806217/-117.984002

Excavator Provided:

Map link:

https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=9Bly2ul3uz9k3v1-m

Comments:

RESENDUPDATE ONLY-WORK CONT PER NICK TASICH--[WEBUBW 02/22/19 09:28]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:14]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:18]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 04/16/19 08:45]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[DIRECT 05/07/2019 08:58 AM]

RENEW TICKET WORK CONTINUING PER NICK TASICH--[DIRECT 05/29/2019 07:57 AM]

Members:

ATTDSOUTH AT&T DISTRIBUTION - PHONE	ATT DAMAGE PREVENTION HO	510-645-2929
GAR01 C/OF GARDEN GROVE-WATER	LES RUITEMSCHILD	714-290-8986
MWD05 METROPOLITAN WATER	CONTROL ROOM	714-577-5011
SCG28T SC GAS BREA -TRANSMISSION	ADAM JUAREZ	714-634-3196
SCG2XN SC GAS - GARDEN GROVE	LEAD DISPATCHER - CHUCK	800-603-7060
SCW2M GOLDEN STATE WATER - GARDENA	DAVID CATHCART	310-660-0320
SCW2P SO CAL WATER(GOLDEN ST WTR)	GILBERT ESTRADA	562-547-
7073xCELL		
USCE03 UTILIQUEST 4 SCE-NO OR COAST	SC EDISON PERSONNEL	800-611-1911
USCETT84SE UTIL 4 SCE TRNS TELECOM-FIB TCC		800-655-8844
UTWCCORG UTILIQUEST 4 CHARTER COMM C	Information not provided	

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From: noreply@digalert.org
To: ntasich@prim.com
Subject: DigAlert Confirmation for Ticket A190280551-06B
Date: Wednesday, May 29, 2019 7:58:15 AM

EXTERNAL EMAIL

EMLCFM 00412B USAS 05/29/19 07:58:13 A190280551-06B RNEW NORM POLY LREQ

Thank you for contacting Underground Service Alert of Southern California.
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Ticket: A190280551 Rev: 06B Created: 05/29/19 07:57 User: DIRECT Chan: WEB

Work Start: 05/29/19 07:57 Legal Start: 05/29/19 07:57 Expires: 06/26/19 23:59

Response required: N Priority: 2

Excavator Information

Company: ORTIZ ENTERPRISE INC

Co Addr: 6 CUSHING #200

City : LAKE FOREST

State: CA Zip: 92618

Created By: NICK TASICH

Language: ENGLISH

Office Phone: 310-874-9612

SMS/Cell: 310-874-9612

Office Email: NTASICH@PRIM.COM

Site Contact: RUBEL MARTINEZ

Site Phone: 661-343-1481

Site SMS/Cell:

Site Email:

Excavation Area

State: CA County: ORANGE

Place: STANTON

Zip:

Location: Address/Street: 10711 DALE AVE

: X/ST1: STANDUSTRIAL ST

:

: IN REAR OF ADDRESS

: ** CALL WITH ETA **

Delineated Method: WHITEPAINT

Work Type: MACHINE EXCAVATION, AUGERING, DRILLING, HAND EXCAVATION

Work For : WELLHEAD ELECTRIC

Permit: 16-AFC-01

Job/Work order:

1 Year: N Boring: Y Street/Sidewalk: Y Vacuum: Y Explosives: N

Lat/Long

Center Generated (NAD83): 33.808179/-117.985005 33.808186/-117.984017

: 33.806210/-117.984990 33.806217/-117.984002

Excavator Provided:

Map link:

https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=9Bly2ul3uzxuvlx-q

Comments:

RESENDUPDATE ONLY-WORK CONT PER NICK TASICH--[WEBUBW 02/22/19 09:28]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:14]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 03/21/19 09:18]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[WEBUBW 04/16/19 08:45]
RENEW TICKET WORK CONTINUING PER NICK TASICH--[DIRECT 05/07/2019 08:58 AM]

RENEW TICKET WORK CONTINUING PER NICK TASICH--[DIRECT 05/29/2019 07:57 AM]

Members:

ATTDSOUTH AT&T DISTRIBUTION - PHONE	ATT DAMAGE PREVENTION HO	510-645-2929
GAR01 C/OF GARDEN GROVE-WATER	LES RUITEMSCHILD	714-290-8986
MWD05 METROPOLITAN WATER	CONTROL ROOM	714-577-5011
SCG28T SC GAS BREA -TRANSMISSION	ADAM JUAREZ	714-634-3196
SCG2XN SC GAS - GARDEN GROVE	LEAD DISPATCHER - CHUCK	800-603-7060
SCW2M GOLDEN STATE WATER - GARDENA	DAVID CATHCART	310-660-0320
SCW2P SO CAL WATER(GOLDEN ST WTR)	GILBERT ESTRADA	562-547-
7073xCELL		
USCE03 UTILIQUEST 4 SCE-NO OR COAST	SC EDISON PERSONNEL	800-611-1911
USCETT84SE UTIL 4 SCE TRNS TELECOM-FIB TCC		800-655-8844
UTWCCORG UTILIQUEST 4 CHARTER COMM C	Information not provided	

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Note!: This email originated from outside our organization. Be cautious when opening Links and Attachments that you were not expecting.

Attachment 21 - COM-11 Reporting of Complaints, Notices, and Citations

SERC
COMPLAINT REPORT AND RESOLUTION LOG

Incident #	Incidents Occurred this Period	Resolution Actions Taken	Status of Unresolved Actions form Previous MCR's
01	Complaint about Track-out on Dale Ave.	<p>All construction equipment vehicle tires shall be inspected and washed as necessary to be cleaned free of dirt prior to entering Dale Ave.</p> <ol style="list-style-type: none"> 1. Additional gravel was added to the existing ramps at the tire washing/cleaning station 2. Additional laborers were assigned to the Dale Ave entrance when there is a risk of any track-out to scrape and sweep immediately. A Sweeping machine is being kept on location and be used as necessary to clean up all track-out. 3. The assigned laborers will also be sweeping the rumble plates when build-up occurs to maintain the efficiency of the plates. 4. Above and beyond, the contractor added another set of rumble plates and gravel at the Dale Ave. entrance. 	N/A
02	Noise Complaint	<p>SERC received a noise complaint at 9:33am on Friday, April 5, 2019. The complaint came from a Mr. Hill who lives at the Katella Mobile Home Estates located at 10800 Dale Ave, Stanton, CA. Mr. Hill complained about the use of a chainsaw at 3:10 am on Saturday morning (3/30/19) and hearing an air compressor and the hammering of nails at 3:25 am on Monday morning (4/1/19). Representatives from SERC spoke with Mr. Hill at 2:19pm on Friday April 5th to better understand his complaint.</p> <p>SERC investigated the incident with ARB and confirmed that there was no activity on the SERC site during these hours. The Noise Complaint Resolution Form (COC NOISE 2) was submitted to the CPM documenting the complaint.</p>	

Attachment 22 – MECH-1 CBO Inspection Approvals

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 04/04/2019 10:00AM

INSPECTION NUMBER (File Name): SERC_16-AFC_01_COC_AMMONIA AND SUMP
FOUNDATION 190404



CONTRACTOR: ARB, INC

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIONAL PAGES IF NEEDED):

Inspection of Ammonia sump and Sump pit foundation:

- Forms
- Rebar
- Embeds

REQUESTOR SIGNATURE: Jake Hoover

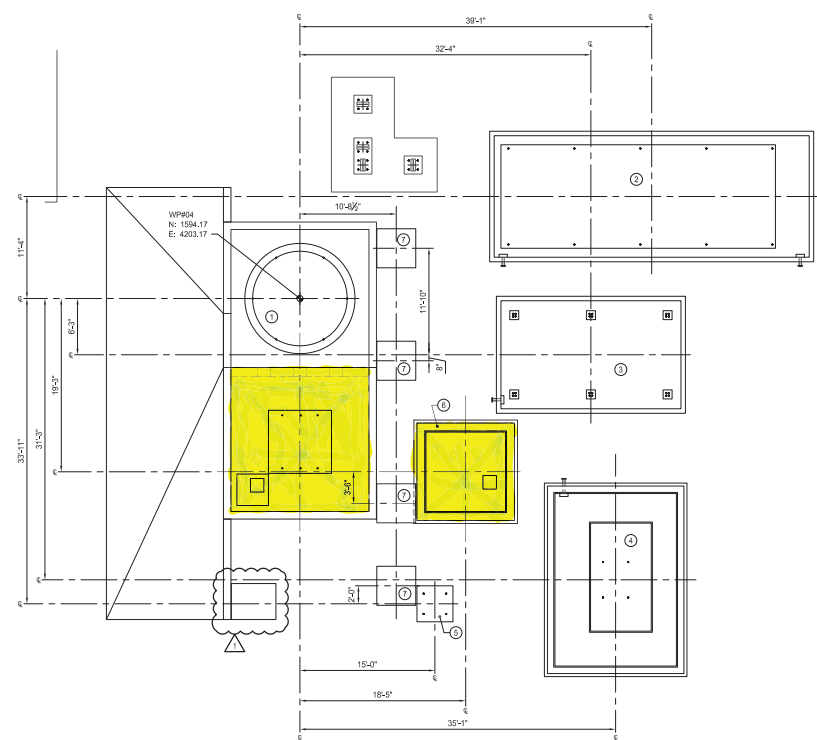
Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.04.03 13:25:43-07'00'

DATE: 04/03/19

OFFICES NATIONWIDE

ISSUED FOR CONSTRUCTION - 20190321

- FOUNDATION LEGEND:
- 1) AMMONIA STORAGE TANK FOUNDATION - DWG SF04-102
 - 2) FUEL GAS COMPRESSOR FOUNDATION - DWG SF04-103
 - 3) FGC GAS/L.O. FIN-FAN COOLER FOUNDATION - DWG SF04-104
 - 4) 4150V FGC AUXILIARY TRANSFORMER FOUNDATION - DWG SF04-105
 - 5) FGC MEDIUM SOFT STARTER FOUNDATION - DWG SF04-106
 - 6) SUMP PIT FOUNDATION - DWG SF04-108
 - 7) CABLE TRAY SLEEPER 2 FOUNDATION - DWG SF01-108



FGC / AMMONIA STORAGE AREA - FOUNDATION LAYOUT
SCALE: 3/16" = 1'-0"



Digitally signed by
Alan Ho
Reason/Conditional
Approval Refer to
the Conditional
Approval letter for
conditions.
Date: 2019.03.19
20:53:08 -0700

10711 DALL AVENUE
STANTON, ORANGE CO., CA 92680


THE DRAWING WAS PREPARED BY POWER ENGINEERS, INC. FOR A CLIENT PROJECT. POWER ENGINEERS, INC. IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE CLIENT IS RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.

INTER-DISCIPLINE REVIEW					
DISC	ARCH	CIVIL	ELECT	I&G	MECH
DATE	*	12-13-2018	12-13-2018	*	12-13-2018
INIT	*	WHR	CMS	*	BSC

REV	DESCRIPTION	DATE	DRN	DSGN	CND	APPD
1	ISSUED FOR CONSTRUCTION	02-05-2019	MCB	SPC	PJK	JKB
5	ISSUED FOR CONSTRUCTION	12-17-2018	MCB	SPC	PJK	JKB

STANTON ENERGY RELIABILITY CENTER, LLC
610 BROAD ST. SUITE 200 • STANTON, CA 95111
Phone: 916-452-0488 Fax: 916-452-0511



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	REV
FGC / AMMONIA STORAGE AREA	1-0368	
FOUNDATION LAYOUT	DRAWING NUMBER S-04-100	

\\pc055\l\Projects\140316_SERVO\Drawings\POWER\Sheet\F04-101.dwg, Mar 08, 2019 4:21:59 am Baschardt, Matthew



									DGDN	SPC	12-13-2017
									DRN	BLW	12-20-2017
2	ISSUED FOR CONSTRUCTION	03-08-2019	MCB	SPC	PJK	JKB			CKD	WHR	03-08-2019
1	ISSUED FOR CONSTRUCTION	02-05-2019	MCB	SPC	PJK	JKB					
0	ISSUED FOR CONSTRUCTION	12-17-2018	MCR	SPC	PJK	JKB					
REV	REVISIONS	DATE	DRN	DGDN	CKD	APPD	SCALE:		AS NOTED		

DSGN	SPC	12-13-2017
DRN	BLW	12-20-2017
CKD	WHR	03-08-2019
SCALE: AS NOTED		
EOB 32-54 FRANK ONLY		

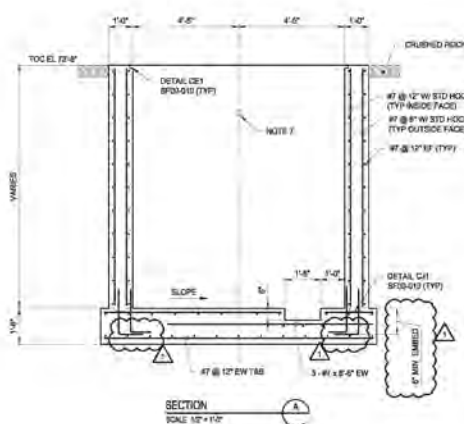
Stanton Energy Reliability Center, LLC
650 Hercat Dr, Suite A • Sacramento, CA 95811
Phone: 916-492-0486 Fax: 916-886-5318



STANTON ENERGY RELIABILITY CENTER
FGC / AMMONIA STORAGE AREA
AMMONIA STORAGE TANK FOUNDATION AND CONTAINMENT PLAN

JOB NUMBER	REV
149368	2
DRAWING NUMBER	
SF04-101	

DOI: 10.1002/dmgt



NOTES

1. FOR FOUNDATION LOCATION, SEE DWG SF04-100.
2. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
3. FOR CONCRETE NOTES, SEE DWG SF00-003 AND SF00-001.
4. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-002.
5. FOR SLUMP FIT COVER, SEE DWG S004-101.
7. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 6, DWG SF00-003. WRAP PIPING WITH WATERSTOP, PROVIDE 2" OF CONCRETE COVER.

NOTES

1. FOR FOUNDATION LOCATION, SEE DWG SF04-100.
2. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
3. FOR CONCRETE NOTES, SEE DWG SF00-003 AND SF00-001.
4. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-002.
5. FOR SLUMP FIT COVER, SEE DWG S004-101.
7. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 6, DWG SF00-003. WRAP PIPING WITH WATERSTOP, PROVIDE 2" OF CONCRETE COVER.



Digitally signed by
Alan Ho
Reason: Conditional
Approval. Refer to
the Conditional
Approval letter for
conditions.
Date: 2019.09.19
20:56:21 -0700



WILLIAMS, JR. CIVIL PE & CSM

[illegible]

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 04/04/2019 10:00AM

INSPECTION NUMBER (File Name): SERC_16-AFC_01_COC_AMMONIA AND SUMP
FOUNDATION 190404



CONTRACTOR: ARB, INC

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIONAL PAGES IF NEEDED):

Inspection of Ammonia sump and Sump pit foundation:

- Forms
- Rebar
- Embeds

REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.04.03 13:25:43-07'00'

DATE: 04/03/19

OFFICES NATIONWIDE

INSPECTION RESULT

INSPECTION MADE: Ammonia sump and Sump pit foundation

DATE / TIME: 20190404 0800 **INSPECTOR:** Mary Lee Knolle

☒ **APPROVED**

☐ **AT RISK**

☐ **DISAPPROVED**

☐ **PHASE PASS**

☐ **REINSPECTION REQUIRED**

SIGNATURE:

SEBC-16-AFC-01
--- INSPECTED ---
This document is the property of NV5. It is to be used for the project only and not to be distributed outside the project. It is to be used for the project only and not to be distributed outside the project. It is to be used for the project only and not to be distributed outside the project.

Digitally signed by Mary
Lee Knolle
Date: 2019.04.05
12:03:33 -07'00'

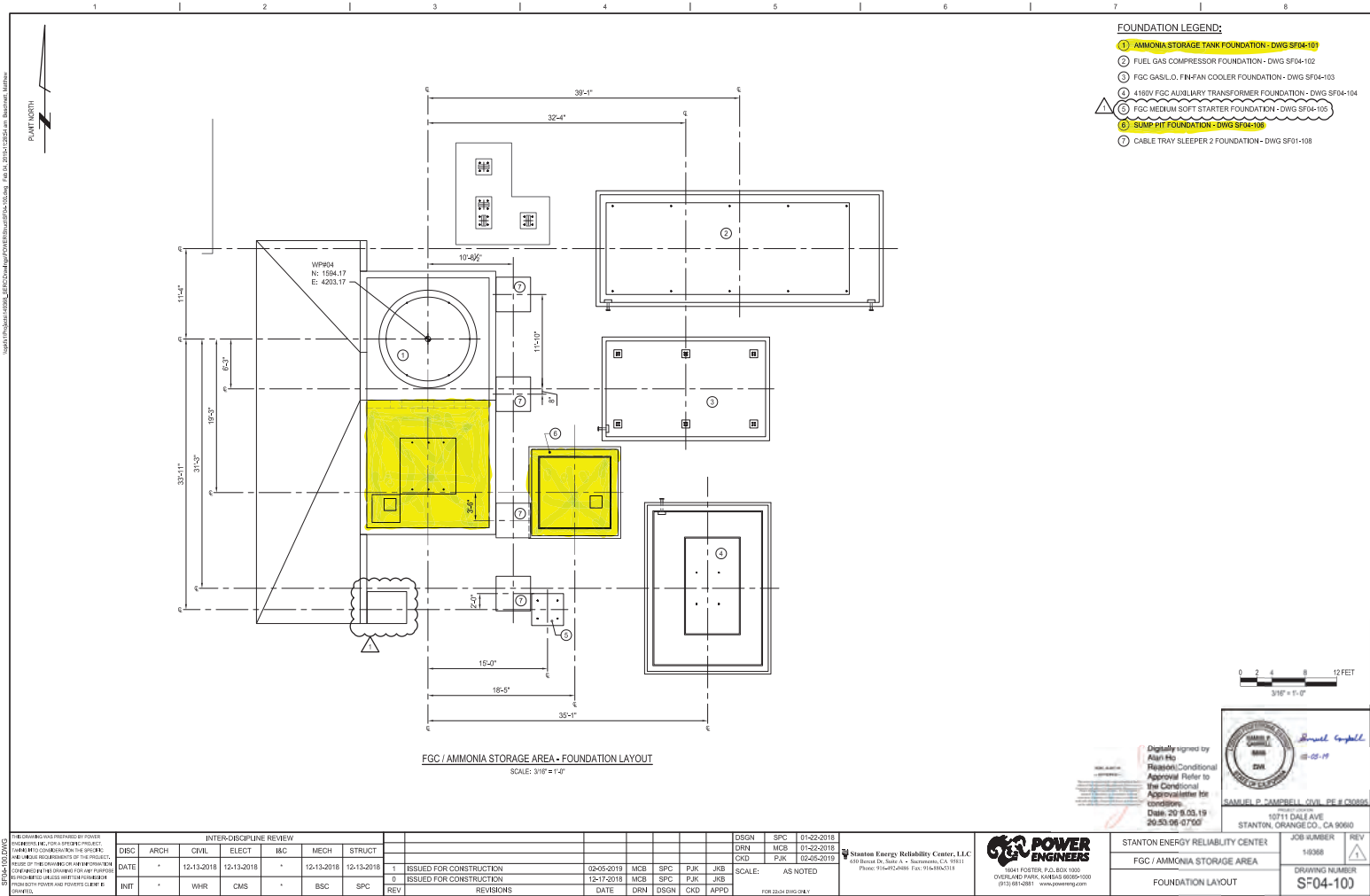
DATE: April 04, 2019

COMMENTS:

Inspected forms, rebar and embeds of Ammonia Sump and sump pit foundation, per plans attached and specs. It was approved for concrete pour on April 05, 2019, At Risk, pending plan approval.

Updated to approved on 20190515 mk

ISSUED FOR CONSTRUCTION - 20190321

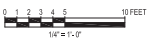


\\cpl\fs1\Projects\140316_SERG\Drawings\POWER\StudSF04-101.dwg Mar 08, 2019 8:21:29 am Baschnett, Matthew



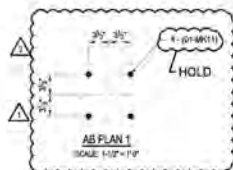
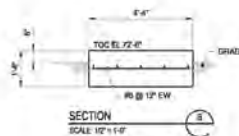
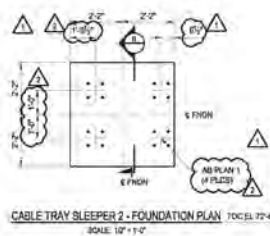
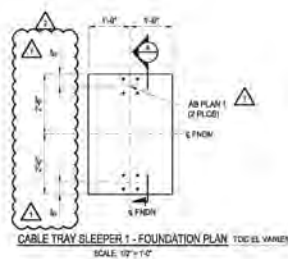
NOTES:


1. FOR FOUNDATION LOCATION, SEE DWG SF04-100.
2. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
3. FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
4. FOR SECTIONS AND DETAILS, SEE DWG SF04-101-1 (UON).
5. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF00-000.
6. FOR ALUMINUM SLIP COVER PLAN, SEE DWG SF04-101-1.
7. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 8, DWG SF00-000.
8. TRUCK UNLOADING CONTAINMENT LIVE LOAD CAPACITY - HS-20 LOADING.
9. VENT BATH TANK ANCHORAGE IS BY TANK SUPPLIER. ANCHOR BOLTS SUPPLIED BY CONTRACTOR.
10. FOR GUARDRAIL, SEE DWG S004-101.



Digitally signed by
Alan Ho
Reason: Conditional
Approval. Refer to
the Conditional
Approval letter for
conditions.
Date: 2019.03.19
20:53:25 -0700

[illegible]



SEISMIC DESIGN CRITERIA - CABLE TRAY 	
BASIC SEISMIC FORCE RESISTING SYSTEM	NON-STRUCTURAL
DESIGN BASE SHEAR (KIPS)	0.31 g
COMPONENT AMPLIFICATION FACTOR (A_p)	2.5
COMPONENT RESPONSE FACTOR (R_L)	8.0


SEISMIC DESIGN CRITERIA - STEEL STRUCTURE	
BASIC SEISMIC FORCE-RESISTING SYSTEM	CMF
DESIGN BASE SHEAR (KIPS)	0.37 g
SEISMIC RESPONSE COEFFICIENT (C_w)	0.37
RESPONSE MODIFICATION COEFFICIENT (R)	3.5


NOTES:


- NOTES:**
1. FOR FOUNDATION LOCATION, SEE DWG SFD1-104 AND SFD1-105.
 2. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
 3. FOR CONCRETE NOTES, SEE DWG SFD0-005 AND SFD0-001.
 4. FOR ANCHOR BOLT SCHEDULE, SEE DWG SFD0-090.



WILL BOMMES JR. CIVIL ENGINEER
10110 DALE AVE.
CHICAGO, ILL. 60643

INTERDISCIPLINE REVIEW										ISSN		SPC		07-20-2018		DRN		07-20-2018		JOB NUMBER		REV																																					
NO.	ARCH	CIVIL	ELECT	ISC	MECH	STRUCT																																																					
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INT	*	WHR	OMS	*	B&C	SPC																																																					
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2 ISSUED FOR CONSTRUCTION							05-15-2019	MCB	SPC	PJK	JOB																																																
3 ISSUED FOR CONSTRUCTION							12-17-2019	MCB	SPC	PJK	JOB																																																
REV							DATE	DRN	CDN	CJK	APPD																																																
REVISIONS							DATE	DRN	CDN	CJK	APPD																																																
										04-01-2019 MCB ZH PJK JOB 05-15-2019 MCB SPC PJK JOB 12-17-2019 MCB SPC PJK JOB SCALE AS NOTED										Stanton Energy Reliability Center, LLC 901 Brent St., Suite A - Sacramento, CA 95811 Phone (916) 454-7447 Fax (916) 454-7415										 POWER ENGINEERS 901 CENTURY BLVD SUITE 100 CLEVELAND, OHIO 44115-2202 (216) 427-2000 www.powereng.com										STANTON ENERGY RELIABILITY CENTER OVERALL SITE CABLE TRAY SLEEPER FOUNDATION PLAN										JOB NUMBER 140596 DRAWING NUMBER SF01-108									

INTERDISCIPLINE REVIEW										ISSN		SPC		07-20-2018		DRN		07-20-2018		JOB NUMBER		REV																	
NO.	ARCH	CIVIL	ELECT	ISC	MECH	STRUCT																																	
DATE	*	12-1-2018	12-13-2018	*	12-13-2018	12-13-2018																																	
INT	*	WHR	OMS	*	B&C	SPC																																	
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2 ISSUED FOR CONSTRUCTION							05-15-2019	MCB	SPC	PJK	JOB																												
3 ISSUED FOR CONSTRUCTION							12-17-2019	MCB	SPC	PJK	JOB																												
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REVISIONS							DATE	DRN	CDN	CJK	APPD																												
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										 POWER ENGINEERS 901 CENTURY BLVD SUITE 100 CLEVELAND, OHIO 44115-2202 (216) 427-2000 www.powereng.com										STANTON ENERGY RELIABILITY CENTER OVERALL SITE CABLE TRAY SLEEPER FOUNDATION PLAN										JOB NUMBER 140596 DRAWING NUMBER SF01-108									

INTERDISCIPLINE REVIEW										ISSN		SPC		07-20-2018		DRN		07-20-2018		JOB NUMBER		REV																	
NO.	ARCH	CIVIL	ELECT	ISC	MECH	STRUCT																																	
DATE	*	12-1-2018	12-13-2018	*	12-13-2018	12-13-2018																																	
INT	*	WHR	OMS	*	B&C	SPC																																	
1 ISSUED FOR CONSTRUCTION							04-01-2019	MCB	ZH	PJK	JOB																												
2 ISSUED FOR CONSTRUCTION							05-15-2019	MCB	SPC	PJK	JOB																												
3 ISSUED FOR CONSTRUCTION							12-17-2019	MCB	SPC	PJK	JOB																												
REV							DATE	DRN	CDN	CJK	APPD																												
REVISIONS							DATE	DRN	CDN	CJK	APPD																												
										04-01-2019 MCB ZH PJK JOB 05-15-2019 MCB SPC PJK JOB 12-17-2019 MCB SPC PJK JOB SCALE AS NOTED										Stanton Energy Reliability Center, LLC 901 Brent St., Suite A - Sacramento, CA 95811 Phone (916) 454-7447 Fax (916) 454-7415																			
										 POWER ENGINEERS 901 CENTURY BLVD SUITE 100 CLEVELAND, OHIO 44115-2202 (216) 427-2000 www.powereng.com										STANTON ENERGY RELIABILITY CENTER OVERALL SITE CABLE TRAY SLEEPER FOUNDATION PLAN										JOB NUMBER 140596 DRAWING NUMBER SF01-108									

Stanison Energy Reliability Center, LLC
600 Bayview Dr., Suite A • Sacramento, CA 95821
Phone (916) 422-6666 Fax (916) 422-7778



STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	REV
OVERALL SITE	140306	2
CABLE TRAY SLEEPER FOUNDATION PLAN	DRAWING NUMBER	
	SF01-108	

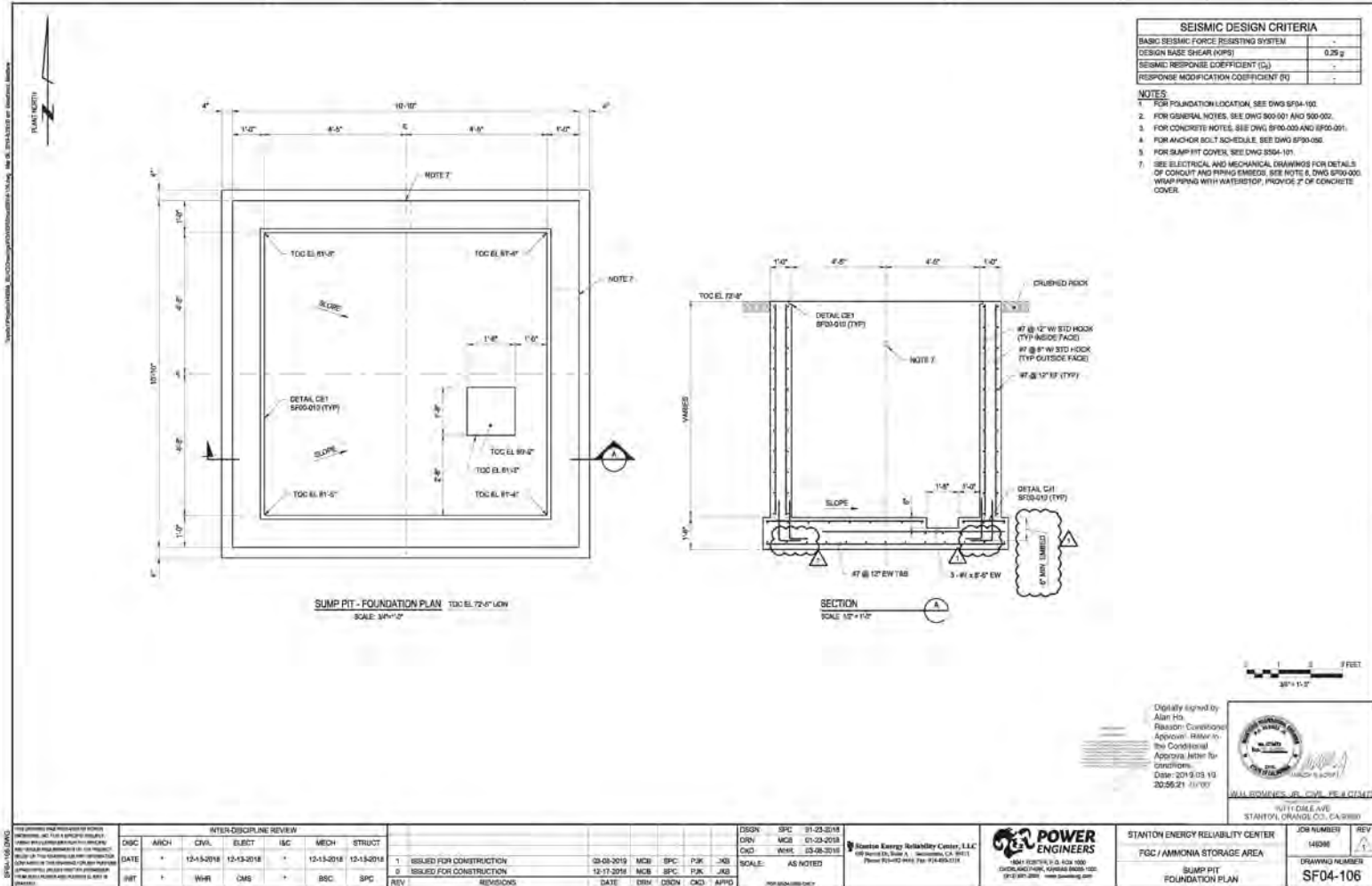
OVERALL SITE

CABLE TRAY SLEEPER
FOUNDATION PLAN

8 NUMBER	REF
1403M	
DRAWING NUMBER	
SF01-108	

SF01-108

ISSUED FOR CONSTRUCTION - 20190321



INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 5/14/19 1:00PM

INSPECTION NUMBER (File Name): SERC_16-AFC-01_COC_AMMONIA STORAGE TANK FDN_190514

CONTRACTOR: ARB, INC.

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Ammonia Storage Tank foundation and deck:

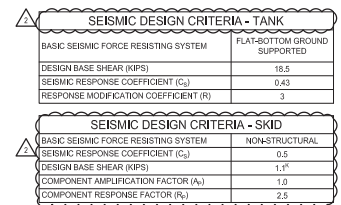
- Form-work
- Re-bar
- Cleanliness

REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.05.13 14:27:00-07'00'

DATE: 05/13/19

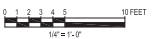
OFFICES NATIONWIDE



- NOTES:**

1. FOR FOUNDATION LOCATION, SEE DWG SF04-100.
2. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
3. FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
4. FOR SECTIONS AND DETAILS, SEE DWG SF04-101-1 (JOIN).
5. FOR ANCHOR BOLT SCHEDULE, SEE DWG S00-050.
6. FOR ALUMINUM SUMP COVER PLAN, SEE DWG SF04-101-1.
7. SEE MECHANICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 8, DWG SF00-000.
8. TRUCK UNLOADING CONTAINMENT LIVE LOAD CAPACITY - HS-20 LOADING.
9. VENT BATH TANK ANCHORAGE IS BY TANK SUPPLIER. ANCHOR BOLTS SUPPLIED BY CONTRACTOR.
10. FOR GUARDRAIL, SEE DWG S004-101.

10. FOR GUARDRAIL, SEE DWG SS04-101.



Digitally signed by
Alan Ho
Reason:
Reviewed for
Code Compliance
Date: 2019.04.29
21:26:57 -0700



W.H. ROMNES, JR. CIVIL PE #C-3473

[illegible]

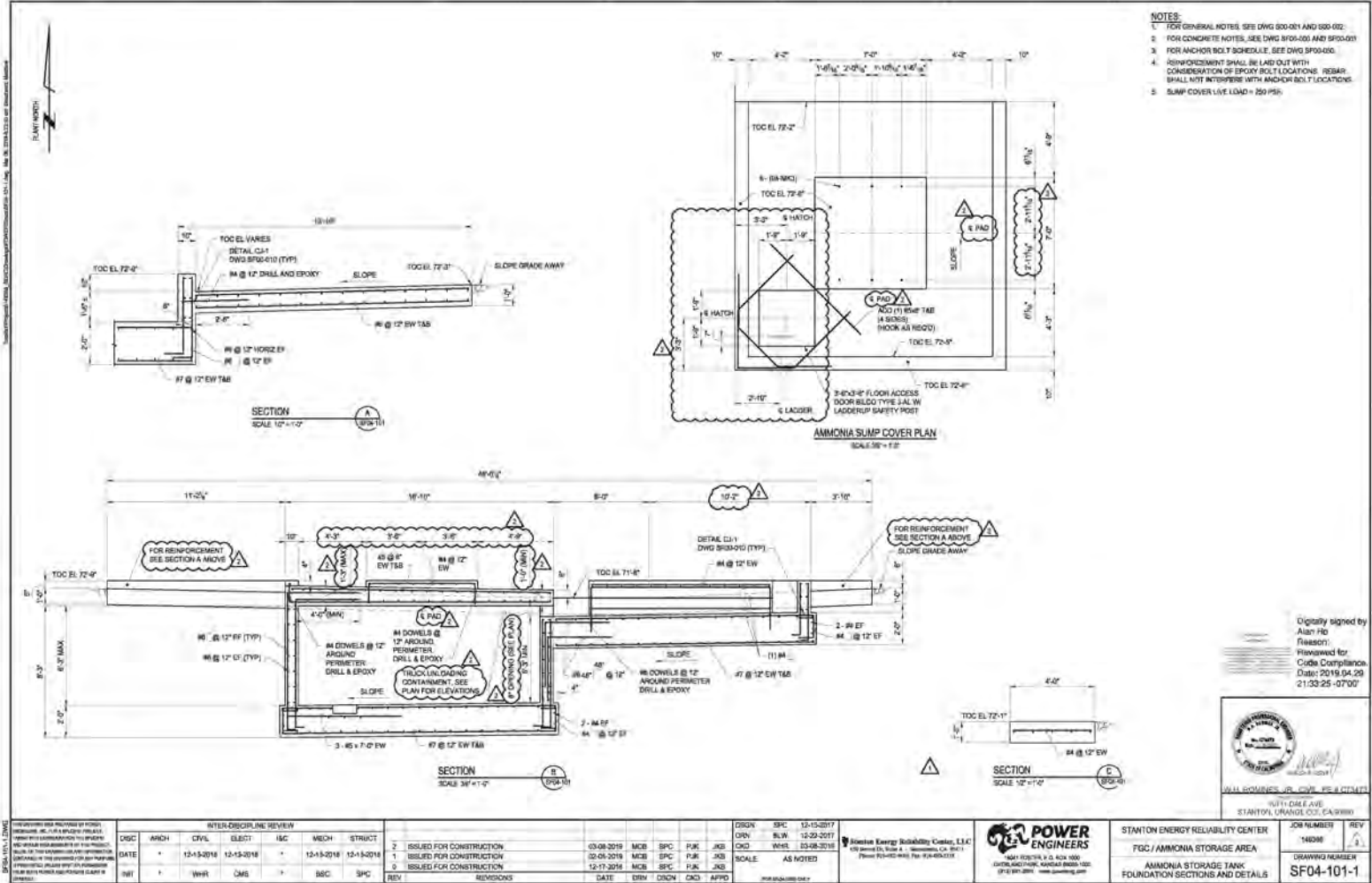
 **Stanton Energy Reliability Center, L.P.**
650 Herct Dr, Suite A • Sacramento, CA 95811
Phone: 916-892-9486 Fax: 916-880-5318



(913) 681-2881 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	REV
FGC / AMMONIA STORAGE AREA	149368	
AMMONIA STORAGE TANK FOUNDATION AND CONTAINMENT PLAN	DRAWING NUMBER	
	SF04-101	

ISSUED FOR CONSTRUCTION - 20190430



INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 6/6/2019

INSPECTION NUMBER (File Name): SERC_16-AFC-01_COC_Ammonia Tank FND and Walls_20190606

CONTRACTOR: ARB,Inc

CONTACT PERSON: Jose Pagan

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Ammonia Tank & Walls

- * Form Work
- * Rebar
- * Cleanliness
- * Water Stops

REQUESTOR SIGNATURE:

Jose Pagan

Digitally signed by Jose Pagan
DN: C=US, E=jpagan@prim.com,
O="ARB,Inc", OU=QA/QC, CN=Jose
Pagan
Date: 2019.05.31 11:32:44 -0700

DATE: 5-31-19

CONSTRUCTION QUALITY ASSURANCE - INFRASTRUCTURE - ENERGY - PROGRAM MANAGEMENT - ENVIRONMENTAL



Submittal Transmittal

NV5 | 2525 Natomas Park Dr., Suite300 Sacramento, CA 95833

PROJECT: SERC
PROJECT #: 550818-0000020.00
DOCKET #: 16-AFC-01

DATE SENT: 5/31/2019

RETURN BY:

SUBJECT: SERC_16-AFC-01_COC_Ammonia
Tank FND and Walls_20190606

TRANSMITTAL ID: 086

TYPE: Submittal
STATUS: For Review

VIA: Info Exchange

DISCIPLINE:

FROM

NAME	COMPANY	EMAIL	PHONE
Erin Prasad	NV5	Erin.Prasad@nv5.com	916-641-9216

TO

NAME	COMPANY	EMAIL	PHONE
Marylee Knolle	NV5	Marylee.Knolle@nv5.com	530.755.7850

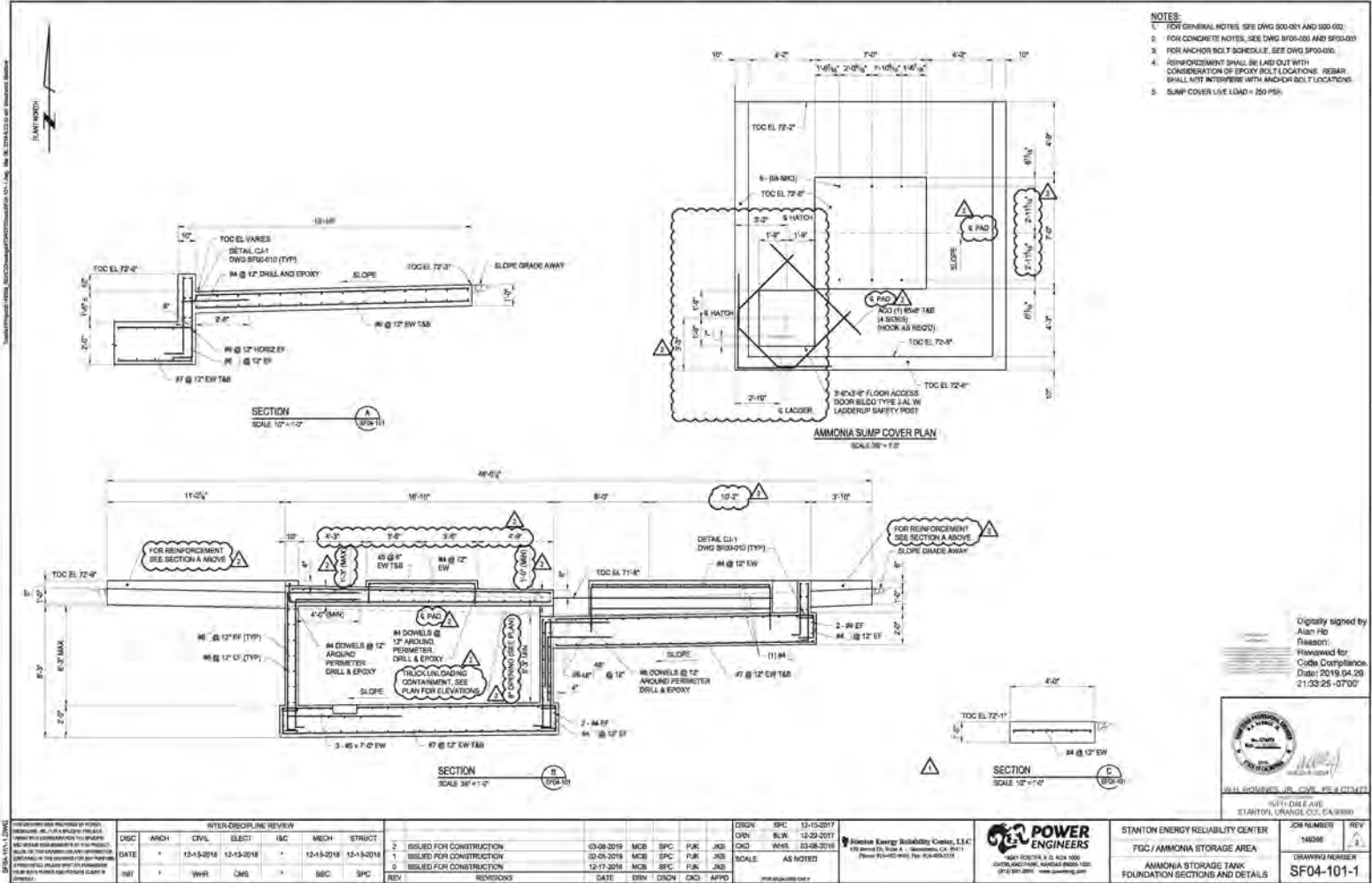
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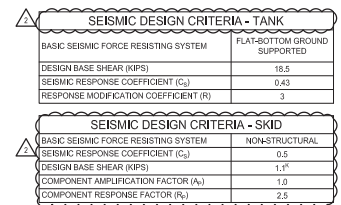
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QTY	DATED	TITLE	ACTION	NOTES
1	5/31/2019	SERC_16-AFC-01_STRUC-1-6.3_SF04-101-NH3 STRG TNK FDN & CONTAINMENT PLAN_REV2_190417_PC3.pdf		

QTY	DATED	TITLE	ACTION	NOTES
1	5/31/2019	SERC_16-AFC-01_STRUC-1-6.4_SF04-101-1-NH3 STRG TNK FDN SCNS & DTLS_REV2_190417_PC3.pdf		

ISSUED FOR CONSTRUCTION - 20190430

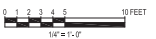




- NOTES:**

1. FOR FOUNDATION LOCATION, SEE DWG SF04-100.
2. FOR GENERAL NOTES, SEE DWG S00-001 AND S00-002.
3. FOR CONCRETE NOTES, SEE DWG SF00-000 AND SF00-001.
4. FOR SECTIONS AND DETAILS, SEE DWG SF04-101-1 (JOIN).
5. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF04-000-050.
6. FOR ALUMINUM SUMP COVER PLAN, SEE DWG SF04-101-1.
7. SEE MECHANICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND PIPING EMBEDS. SEE NOTE 8, DWG SF00-000.
8. TRUCK UNLOADING CONTAINMENT LIVE LOAD CAPACITY - HS-20 LOADING.
9. VENT BATH TANK ANCHORAGE IS BY TANK SUPPLIER. ANCHOR BOLTS SUPPLIED BY CONTRACTOR.
10. FOR GUARDRAIL, SEE DWG S004-101.

10. FOR GUARDRAIL, SEE DWG SS04-101.



Digitally signed by
Alan Ho
Reason:
Reviewed for
Code Compliance
Date: 2019.04.29
21:26:57 -0700



W.H. ROMNES, JR. CIVIL PE #C-3473


[illegible]

FOR 22x34 DWG ON

Stanton Energy Reliability Center, L.L.C.
650 Bercut Dr., Suite A • Sacramento, CA 95811
Phone: 916.327.6386 Fax: 916.350.5738



16041 FOSTER, P.O. BOX 1030
OVERLAND PARK, KANSAS 66065-1000
(913) 681-2881 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER	REV
FGC / AMMONIA STORAGE AREA	149368	
AMMONIA STORAGE TANK FOUNDATION AND CONTAINMENT PLAN	DRAWING NUMBER	
	SF04-101	

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 04/30/19 10:30AM

INSPECTION NUMBER (File Name): SERC_16-AFC-01_COC_BRIDGE DECK_190430

CONTRACTOR: ARB, INC.

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIONAL PAGES IF NEEDED):

Bridge deck:

- Re-Bar
- Area prep

REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.05.14 14:00:12-07'00'

DATE: 04/29/19

OFFICES NATIONWIDE

2525 NATOMAS PARK DRIVE, STE 300 | SACRAMENTO, CA 95833 | WWW.NV5.COM | OFFICE 916.641.9100 | FAX 916.641.9222

CONSTRUCTION QUALITY ASSURANCE • INFRASTRUCTURE • ENERGY • PROGRAM MANAGEMENT • ENVIRONMENTAL

Tran
6 HUTTON CANTON LINDSEY
DALLAS, TEXAS
SANTA ANA, CA 92707
PHONE: 714-299-8880



VEHICLE BRIDGE
STANTON ENERGY RELIABILITY CENTER
STANTON, CALIFORNIA

[illegible]

SHEET NO.
S-301





Daily Field Report Special Inspector (ICC)

ARB, Inc
Stanton Energy Reliability Center
Stanton Energy 10711 Dale Avenue
Stanton, CA

Request By
Date Tuesday, 30 April 2019
Time 7:00 AM
Task H2201, Special Inspector (ICC)

Phone
Cell

Remarks

Reference Documents Vehicle Bridge Plans, Over Excavation Plans, Structural Plans **Permit no.** 16-AFC-01
General Contractor ARB
Sub-Contractor Ortiz, CMC Rebar
Material Supplier On Site Materials, CMC Rebar, Ewles

Work Inspected

On site at 6:30am, met with ARB to discuss the days working schedule.
On site and performing observation and compaction testing NV5 representative Art Din.

Ortiz

Continued with OX Operations at 450 to 580ft east of the storm channel. Material is being excavated and exported today. Bottom elevation was achieved at 63.3', top 12" was scarified. At 450 to 580ft at the south 1/2 of the listed above, area was scarified, moisture condition and compacted by ride on single drum vibratory compactor. 4 tests were taken through this section, all 4 tests were exceeding the compaction requirements of 90%.

*at area 450 to 470ft across the section, 63.3' elevation was pumping/yielding. Per previous recommendations 1ft of material will be removed, Geotextile Fabric will be placed and CMB/Class 2 material placed.

ARB

-Final inspection for the GSU Foundation. All reinforcement has been installed per the details on SF05-101 and 101-1. All spacing, clearances and cleanliness were approved. On site for final inspection ARB QC, CBO and RMA. Also on site Wellhead representatives. All was approved for concrete placement on the following day and the placement card was signed.

-Final inspection for the Vehicle Bridge Deck. All reinforcement has been installed per the details on S-301. All spacing, clearances and cleanliness were approved. On site for final inspection ARB QC, CBO and RMA. Also on site were Wellhead and TranSystems representatives. All was approved for concrete placement on the following day and the placement card was signed.

The work inspected ☒ met ☐ did not meet the requirements of the approved documents

Date	04/30/2019	Weather		55-67 Cloudy 10% Rain		DR19-023186 19-0176-0/01
Client Authorization R Martinez	Inspector Signature BDW	Reg Hours	8			
		OT Hours	0			
		DT Hours	0			
Representing Rubel Martinez	Bryan Morris - 200MBD	Begin Time	6:30 AM			
		End Time	3:00 PM			



Reinforcement inspection @ Vehicle Bridge Deck



Reinforcement @ Utility Rack #2



Reinforcement installed @ Utility Rack #2



OX Operations 450 to 580ft

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 04/17/19 2:30

INSPECTION NUMBER (File Name): SERC_16-AFC_01_COC_DEMIN WATER TANK_190417

CONTRACTOR: ARB, INC

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Demin Water tank Foundation:

- Forms
- Rebar
- Embeds

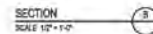
REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.04.16 14:27:53-07'00'

DATE: 04/16/19

OFFICES NATIONWIDE

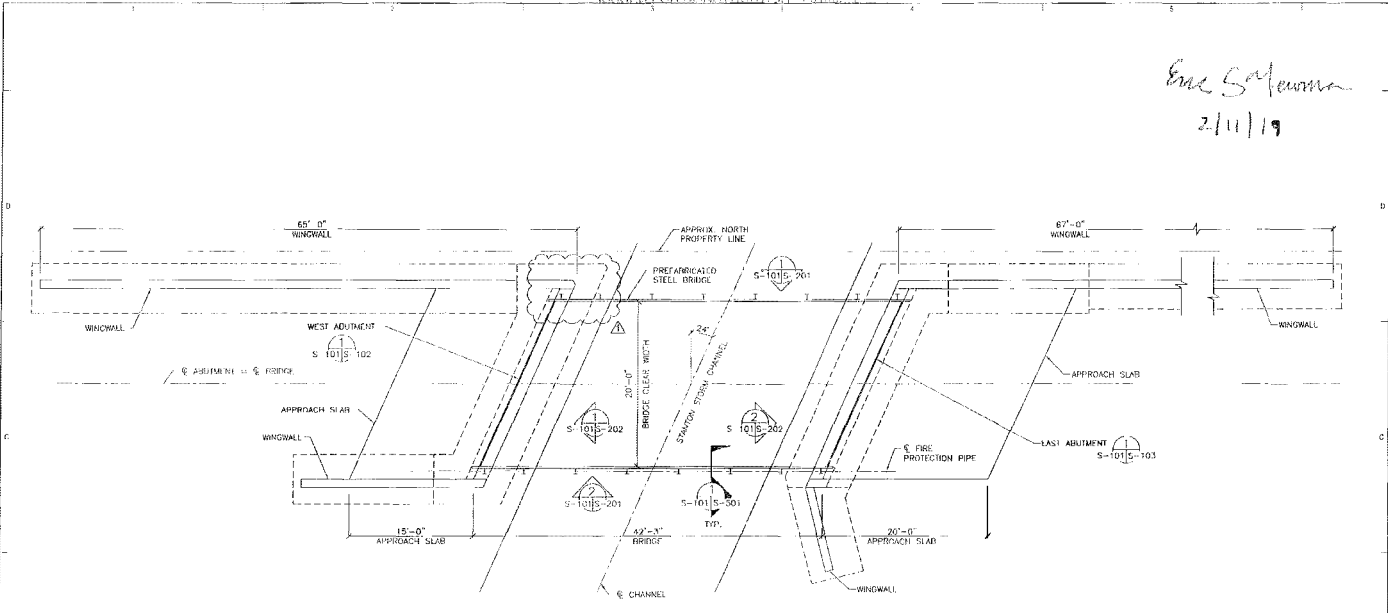
Downloaded from <http://www.jco.org/> on May 22, 2014 at 14:57 am. Instructed by: Boston Univ

[illegible]

W.H. BOMME'S JR. CIVIL ENGINEERING
10711 DALE AVE

[illegible]

Eric Salazar
2/11/19



BRIDGE PLAN
SCALE: 1" = 1'-0"

NOTE:
REFER TO CIVIL SHEET
CD1-051 FOR SITE PLAN.

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE, o=INVS, Inc., ou=Energy, email=eric.rodriguez@invs.com, c=US
Reason: Reviewed for Code Compliance by Jack Abreal (in)
Date: 2019.02.22 15:05:11 -0800

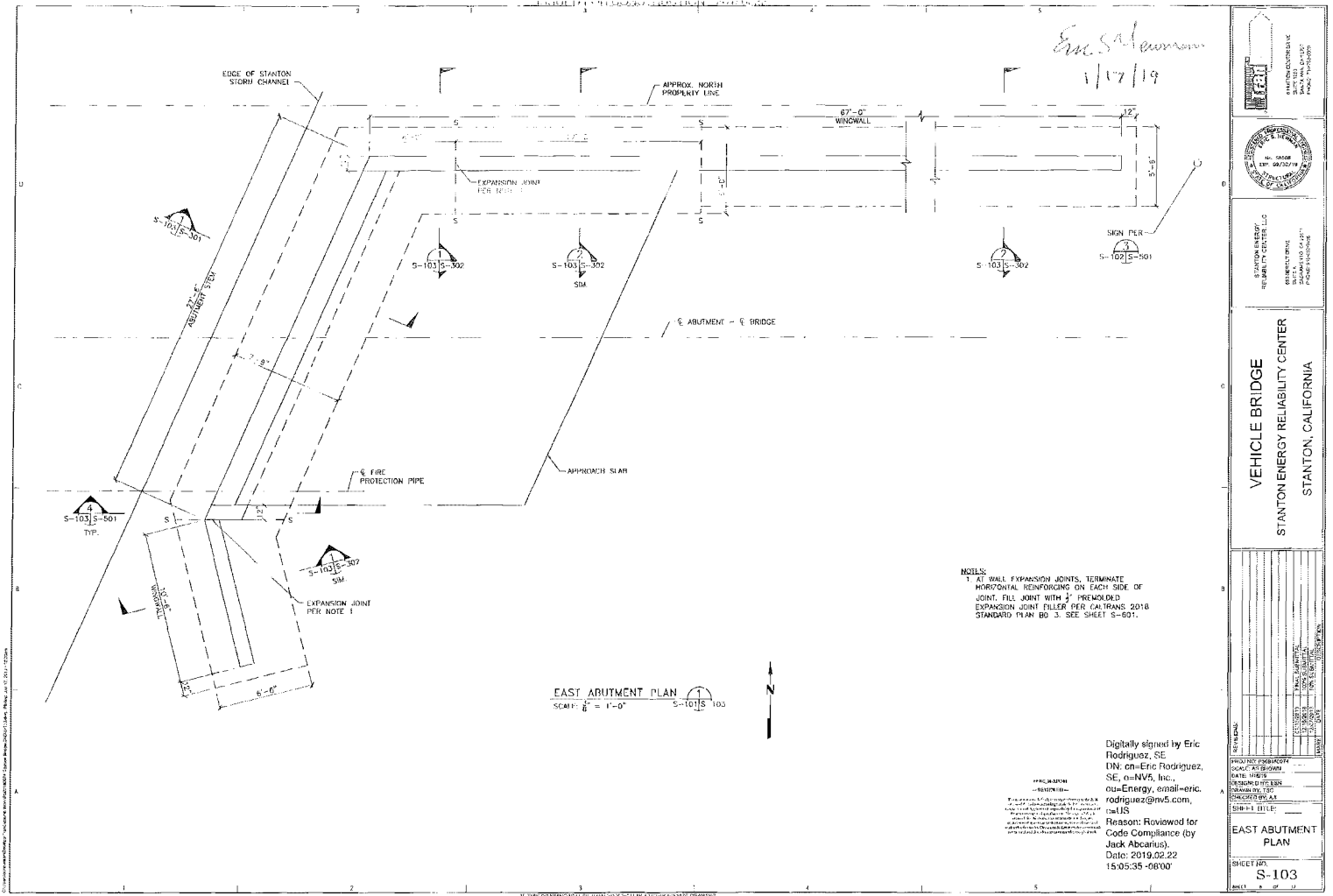


STANTON ENERGY RELIABILITY CENTER
STANTON, CALIFORNIA

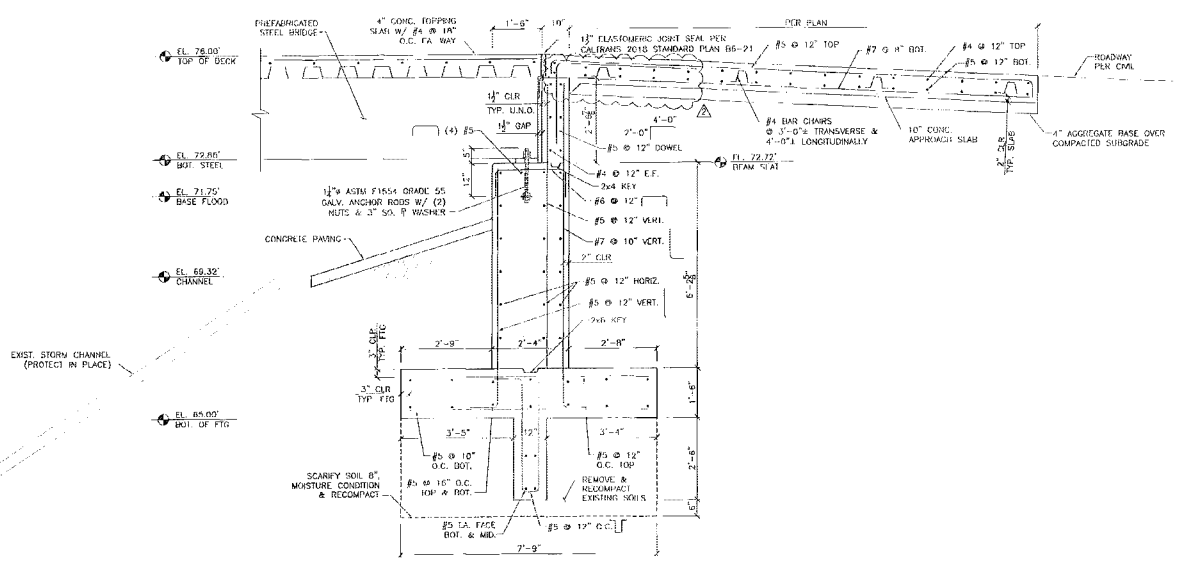
REVISIONS	DATE	BY	CHKD

BRIDGE PLAN

SHEET NO. **S-101**



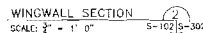
Eric S. Rodriguez
2/20/19



ABUTMENT SECTION
SCALE: 1/4" = 1'-0"

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE, o=NV5, Inc., ou=Energy, email=eric.rodriguez@nv5.com, c=US
Reason: Forwarded for Code Compliance (by Jack Abcarian)
Date: 2019.02.22 15:06:09 -0800

VEHICLE BRIDGE STANTON ENERGY RELIABILITY CENTER STANTON, CALIFORNIA	
PROJECT NO.: 19-0000000000000000 SHEET NO.: S-301 DATE: 2/20/19	DRAWN BY: JAC CHECKED BY: JAC DESIGNED BY: JAC IN CHARGE: JAC

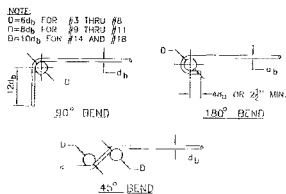


Ene Soyewon
2/11/19

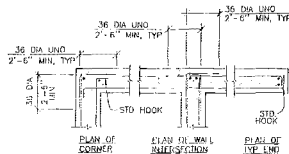
VEHICLE BRIDGE
STANTON ENERGY RELIABILITY CENTER
STANTON, CALIFORNIA

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE, o=NVS, Inc., ou=Energy, email=eric.rodriguez@nvs.com, c=US
Reason: Reviewed for Code Compliance (by Jack Abenius)
Date: 2019.02.22 15:06:19 -0800

WINGWALL
SECTION

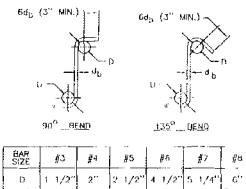


TYP. REINFORCEMENT BENDS
SCALE: NO SCALE S-00315-003



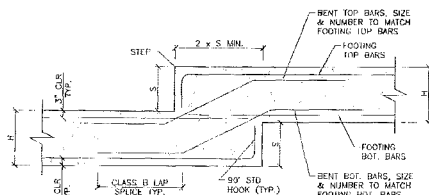
NOTE:
WHERE SINGLE LAYER OF REINFORCING OCCURS,
BEND REINFORCEMENT AS SHOWN FOR BENT BAR.

TYP. REINFORCEMENT @ INTERSECTION OF
CONCRETE FOOTINGS AND WALLS
SCALE: NO SCALE S-00315-003



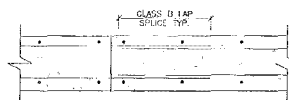
BAR SIZE	#3	#4	#5	#6	#7	#8
D	1 1/8"	2"	2 1/8"	4 1/8"	5 1/4"	6"

TYP. STIRRUP BENDS
SCALE: NO SCALE S-00315-003

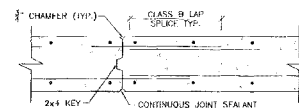


- NOTES:
1. SEE DETAILS FOR FOOTING SIZE AND TYPICAL REINFORCING.
2. S = STEP IN FOOTING, 2'-0" MAX.
3. H = THICKNESS OF FOOTING

TYPICAL FOOTING STEP
SCALE: NO SCALE S-00315-003



TYP. FOOTING CONST. JOINT
SCALE: NO SCALE S-00315-003



- NOTES:
1. LOCATIONS OF WALL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE ENGINEER.

TYP. WALL CONST. JOINT
SCALE: NO SCALE S-00315-003

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez,
o=ENR, inc.,
ou=Energy, email=eric.
rodriguez@enr.com,
c=US
Reason: Reviewed for
Code Compliance (by
Jack Abcarian)
Date: 2019.02.22
15:04:58 -08'00'

1/17/19

Eric Salomon

STANTON ENERGY RELIABILITY CENTER
STANTON, CALIFORNIA

PROJECT NO. 15-00315-003
SHEET NO. 1 OF 1
DATE: 1/17/19
DRAWN BY: ERS
CHECKED BY: ERS
APPROVED BY: ERS

TYPICAL
DETAILS

SHEET NO.
S-00315-003

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 03/18/19 9:00AM

INSPECTION NUMBER (File Name): SERC_16-AFC_01_COC_EAST AND WEST ABUTMENT_190318

CONTRACTOR: ARB, INC.

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIONAL PAGES IF NEEDED):

Inspection of:

- Forms on the East and West Abutment
- Rebar
- Embeds
- Area Preparation

REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.03.14 08:23:40-07'00'

DATE: 3/14/19

OFFICES NATIONWIDE

INSPECTION RESULT

DATE / TIME:

INSPECTION MADE:

DATE / TIME: March 18, 2019 INSPECTOR: Mary Lee Knolle

☒ APPROVED

☐ DISAPPROVED

☐ REINSPECTION REQUIRED

☒ AT RISK

☐ PHASE PASS

SIGNATURE:

SEBC-16-AFC-01
--- INSPECTED ---
The undersigned hereby certifies that the inspection was made on the date indicated and that the work was observed in accordance with the provisions of the contract and the provisions of the Code of Ordinances of the City of Sacramento. The undersigned is not responsible for the work of the contractor or the work of the construction manager or the work of the construction manager's representative.

Digitally signed by Mary
Lee Knolle
Date: 2019.03.29
08:24:32 -07'00'

DATE:

COMMENTS:

Items were addressed with rebar ties and clearances and inspection was approved. Pour was following day, with 4500 mix, truck tickets observed, Special inspector monitoring pour and samples from trucks.

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 03/28/19 10:00AM

INSPECTION NUMBER (File Name): SERC_16-AFC_01_COC_EAST AND WEST ABUTMENT_190328

CONTRACTOR: ARB, INC.

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Inspection to verify the East and West Abutment Walls:

- Forms
- Rebar
- Embeds

REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.03.27 13:55:39-07'00'

DATE: _____

OFFICES NATIONWIDE

INSPECTION RESULT

DATE / TIME: March 28, 2019

INSPECTION MADE:

DATE / TIME: 20190328-29 INSPECTOR: Mary Lee Knolle

☐ APPROVED

☒ AT RISK

☐ DISAPPROVED

☐ PHASE PASS

☐ REINSPECTION REQUIRED

SIGNATURE:

SEBC-16-AFC-01
— INSPECTED —
The undersigned hereby certifies that the inspection was conducted on the date indicated on this report in accordance with the provisions of the California Building Code and the provisions of the California Building Code. The undersigned hereby certifies that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the California Building Code. The undersigned hereby certifies that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the California Building Code.

Digitally signed by Mary
Lee Knolle
Date: 2019.03.29
10:53:08 -07'00'

DATE: 20190329

COMMENTS:

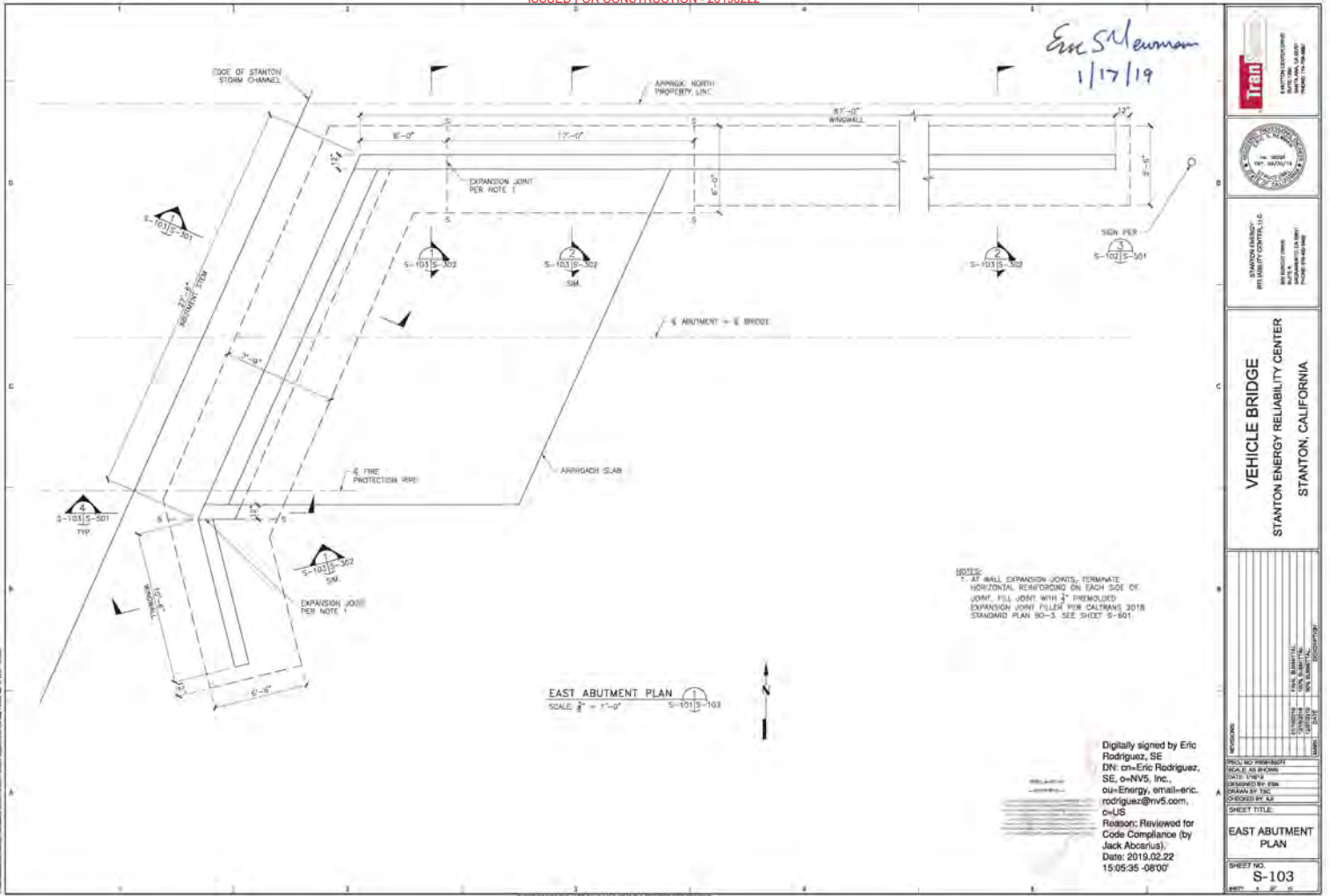
Rebar, forms and embeds were inspected, with corrections made and area cleaned before pour the inspection with No exceptions taken, is an "At Risk" for concrete pour at 11:00 am 20190329, due to conditionally approved plans.

Eric S. Lewman
2/20/19

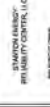


ISSUED FOR CONSTRUCTION - 20190222

Eric S. Sullivan
1/17/19



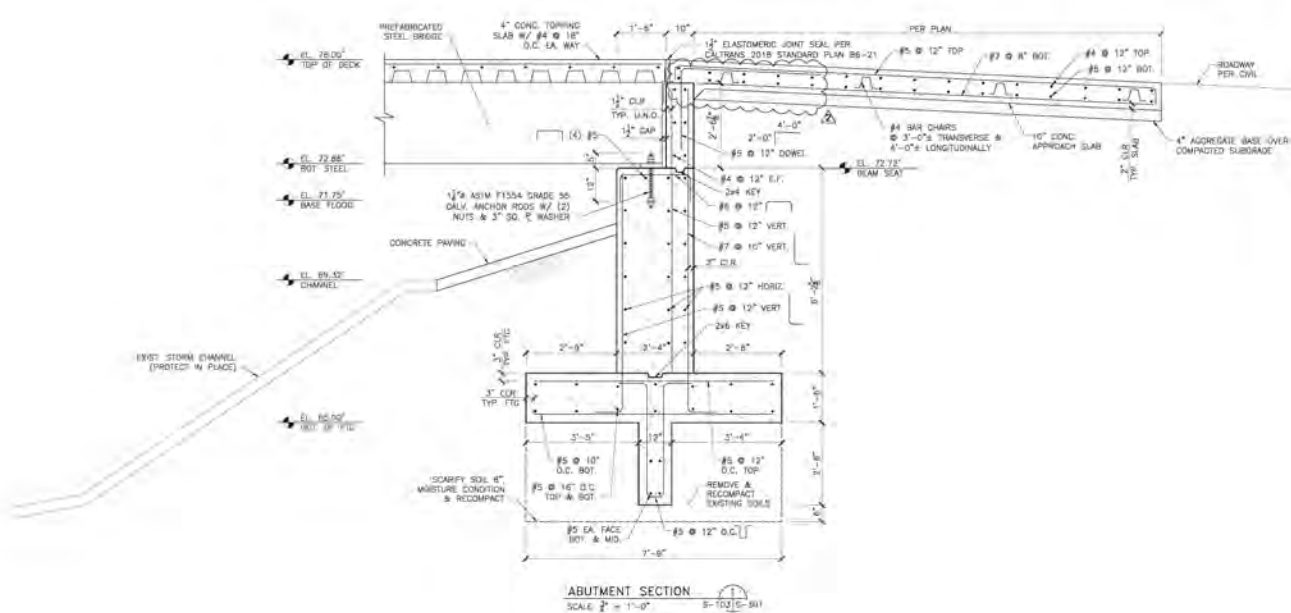
Eric S. Lerman
2/20/19



VEHICLE BRIDGE
STANTON ENERGY RELIABILITY CENTER
STANTON, CALIFORNIA

SHEET NO.		S-301	
SHEET TITLE		ABUTMENT SECTION	
DRAWN BY TSC		CHECKED BY ASJ	
DATE: 2/17/98		SCALE: AS SHOWN	
PROJECT NO. 2010-1		PROJECT NAME: 2010-1	
PROJECT LOCATION: 2010-1		PROJECT DESCRIPTION: 2010-1	
PROJECT OWNER: 2010-1		PROJECT CONTRACTOR: 2010-1	
PROJECT ENGINEER: 2010-1		PROJECT ARCHITECT: 2010-1	
PROJECT GEOLOGIST: 2010-1		PROJECT HISTORIC: 2010-1	
PROJECT LANDSCAPE: 2010-1		PROJECT PLANTING: 2010-1	
PROJECT LIGHTING: 2010-1		PROJECT FURNITURE: 2010-1	
PROJECT SIGNAGE: 2010-1		PROJECT UTILITIES: 2010-1	
PROJECT TRAFFIC: 2010-1		PROJECT SAFETY: 2010-1	
PROJECT SECURITY: 2010-1		PROJECT MAINTENANCE: 2010-1	
PROJECT OPERATIONS: 2010-1		PROJECT CLOSURE: 2010-1	
PROJECT REPAIRS: 2010-1		PROJECT DEMOLITION: 2010-1	
PROJECT CONSTRUCTION: 2010-1		PROJECT COMPLETION: 2010-1	
PROJECT POST-CONSTRUCTION: 2010-1		PROJECT EVALUATION: 2010-1	
PROJECT MONITORING: 2010-1		PROJECT REPORTING: 2010-1	
PROJECT ARCHIVING: 2010-1		PROJECT CLOSURE: 2010-1	
PROJECT REPAIRS: 2010-1		PROJECT DEMOLITION: 2010-1	
PROJECT CONSTRUCTION: 2010-1		PROJECT COMPLETION: 2010-1	
PROJECT POST-CONSTRUCTION: 2010-1		PROJECT EVALUATION: 2010-1	
PROJECT MONITORING: 2010-1		PROJECT REPORTING: 2010-1	
PROJECT ARCHIVING: 2010-1		PROJECT CLOSURE: 2010-1	

Digitally signed by Eric Rodriguez, SE
DN: cn=Eric Rodriguez, SE
ou=Energy, email=eric.rodriguez@n5.com, c=US
Reason: Reviewed for Code Compliance (by Jack Abcarian)
Date: 2019.02.22 15:06:09 -0800



ABUTMENT SECTION

SCALE: $\frac{3}{8}" = 1'-0"$

S-105 S-547

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 04/11/19 11:00AM

INSPECTION NUMBER (File Name): SERC_16-AFC_01_COC_EAST BRIDGE WING WALL_190412

CONTRACTOR: ARB, INC.

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

East wing wall:

- Formwork
- Rebar
- Embeds
- Area Prep.

REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.04.11 14:34:53-07'00'

DATE: 04/11/19

OFFICES NATIONWIDE

INSPECTION RESULT

INSPECTION MADE: East Bridge Wing Wall (upper)

DATE / TIME: 20190412 10:00 **INSPECTOR:** Mary Lee Knolle

☒ **APPROVED**

☐ **AT RISK**

☐ **DISAPPROVED**

☐ **PHASE PASS**

☐ **REINSPECTION REQUIRED**

SIGNATURE:

SEBC-16-AFC-01
--- INSPECTED ---
The undersigned hereby certifies that the inspection was performed on the date indicated and that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the project contract. The undersigned hereby certifies that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the project contract. The undersigned hereby certifies that the inspection was conducted in accordance with the provisions of the California Building Code and the provisions of the project contract.

Digitally signed by Mary
Lee Knolle
Date: 2019.04.15
15:00:09 -07'00'

DATE: 20190412

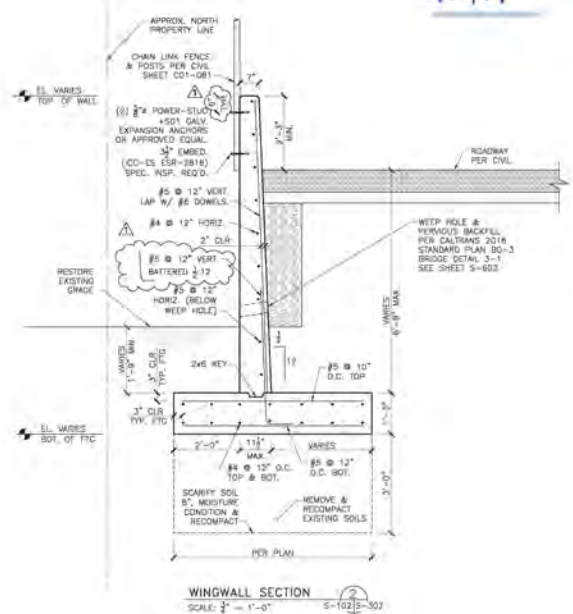
COMMENTS:



Final inspection for the East Abutment (top section) and North and South Wing walls. All reinforcement has been installed per plans and the details on S-301 and S-302. The 18" storm drain line was installed with the added epoxy dowels at each side per details attached, sent by Engineer. Location of weep holes were verified as noted.

Eric S. Lewman
1/17/19



Eric Safferman
2/11/19



			
STANTON ENERGY RELIABILITY CENTER, LLC 800 SOUTH MAIN STANTON, CA 95757 PHONE 916 360-0000		VEHICLE BRIDGE STANTON ENERGY RELIABILITY CENTER STANTON, CALIFORNIA	
<div style="display: flex; justify-content: space-between;"> <div> SHEET NO. S-302 </div> <div> DATE 10/10/01 </div> <div> DRAWN BY TSC </div> <div> CHECKED BY AG </div> </div>			
WINGWALL SECTIONS			
<div style="display: flex; justify-content: space-between;"> <div> SHEET NO. S-302 </div> <div> DATE 10/10/01 </div> <div> DRAWN BY TSC </div> <div> CHECKED BY AG </div> </div>			

 <p>STANTON ENERGY RELIABILITY CENTER, LLC</p> <p>800.800.0700 1400 S. BAYVIEW DR. SANTA ANA, CA 92705 PHONE: (714) 944-8882 FAX: (714) 944-8883</p>	 <p>STANTON ENERGY RELIABILITY CENTER, LLC</p> <p>800.800.0700 1400 S. BAYVIEW DR. SANTA ANA, CA 92705 PHONE: (714) 944-8882 FAX: (714) 944-8883</p>								
<h1 style="margin: 0;">VEHICLE BRIDGE</h1> <h2 style="margin: 0;">STANTON ENERGY RELIABILITY CENTER</h2> <h3 style="margin: 0;">STANTON, CALIFORNIA</h3>									
<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>01/01/01</td> <td>JAN. EMMETT</td> <td>100% SUBMITTAL</td> </tr> </tbody> </table>	NO.	DATE	BY	REVISION	1	01/01/01	JAN. EMMETT	100% SUBMITTAL	<p>SPEC. NO. 9-100-000000 SCALE: AS SHOWN DATE: 01/01/01 DESIGNED BY: EMM CHECKED BY: TSC CHECKED BY: JEM SHEET TITLE:</p>
NO.	DATE	BY	REVISION						
1	01/01/01	JAN. EMMETT	100% SUBMITTAL						
<h2 style="margin: 0;">WALL DRAINAGE DETAILS</h2>									
<p>SHEET NO. S-601</p>									

 FEDERAL BUREAU OF INVESTIGATION U.S. DEPARTMENT OF JUSTICE		PROJECT INFORMATION NAME: <u>JOHN J. TROTT</u> ADDRESS: <u>STARTER ENERGY GROUP</u> CITY: <u>SAN ANTONIO, TEXAS</u> STATE: <u>TX</u> ZIP: <u>78204</u> PHONE: <u>(214) 591-1111</u> FAX: <u>(214) 591-1111</u> E-MAIL: <u>JOHN.TROTT@STENERGY.COM</u> COMMENTS: <u>RE: 100-2017-108</u>	
PERSONAL INFORMATION DATE OF BIRTH: <u>01-27-1960</u> PLACE OF BIRTH: <u>HOUSTON, TEXAS</u> MARITAL STATUS: <u>MARRIED</u> OCCUPATION: <u>MANAGER</u> EMPLOYER: <u>STENERGY</u> SOCIAL SECURITY NUMBER: <u>123-45-6789</u> PASSPORT NUMBER: <u>123456789</u> DRIVERS LICENSE NUMBER: <u>123456789</u> GRADE: <u>MANAGER</u> DEPARTMENT: <u>MANAGEMENT</u> DIVISION: <u>MANAGEMENT</u> SECTION: <u>MANAGEMENT</u> UNIT: <u>MANAGEMENT</u> POSITION: <u>MANAGER</u> REPORTING SUPERVISOR: <u>MANAGER</u> SUPERVISOR'S PHONE: <u>123-45-6789</u> SUPERVISOR'S E-MAIL: <u>123-45-6789</u> SUPERVISOR'S ADDRESS: <u>123-45-6789</u> SUPERVISOR'S CITY: <u>123-45-6789</u> SUPERVISOR'S STATE: <u>123-45-6789</u> SUPERVISOR'S ZIP: <u>123-45-6789</u> SUPERVISOR'S PHONE: <u>123-45-6789</u> SUPERVISOR'S E-MAIL: <u>123-45-6789</u> SUPERVISOR'S ADDRESS: <u>123-45-6789</u> SUPERVISOR'S CITY: <u>123-45-6789</u> SUPERVISOR'S STATE: <u>123-45-6789</u> SUPERVISOR'S ZIP: <u>123-45-6789</u> SUPERVISOR'S PHONE: <u>123-45-6789</u> 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Daily Field Report H2201 - Special Inspection

ARB, Inc
Stanton Energy Reliability Center
Stanton Energy 10711 Dale Avenue
Stanton, CA

Request By
Date Friday, 12 April 2019
Time 7:00 AM
Task H2201, Special Inspector (ICC)

Phone
Cell

Remarks

Reference Documents Vehicle Bridge Plans, Over Excavation Plans
General Contractor ARB
Sub-Contractor Ortiz, CMC Rebar
Material Supplier On Site Materials, CMC Rebar

Work Inspected

On site at 6:30am, met with ARB to discuss the days working schedule.
On site and performing observation and compaction testing NV5 representative Art Din.

Ortiz

-Continued with OX operations from 350 to 450ft mark. From previous days work, Geotextile Fabric had been placed at elevation 64.3' and CMB/Class 2 material started to be placed. Compaction was completed this morning. 4 tests were taken at elevation 65.3, across the section above. All 4 tests were exceeding the compaction requirements of 95%.

-Geotextile Fabric will be placed at elevation 65.3' with the required 1ft of overlap. Material has been moisture conditioned prior to placement. Placed in loose lifts and compacted by ride on single drum vibratory compactor. 4 tests taken at elevation 66.3', all 4 tests were exceeding the compaction requirements of 95%. This was final lift of the OX operations for this section.

-Started backfill around the Ammonia Sump and Sump Pit foundations. Previous OX operations was completed to elevation 59.3'. Continued backfill will be with CMB/Class 2 materials but will not include Geotextile Fabric. CMB material was moisture conditioned and placed in loose lifts and compacted by ride on single drum vibratory compactor and mechanical tampers. 4 tests were taken at the north and west sides for now do to access to the other sides. All 4 tests were exceeding the compaction requirements.

-At 300 to 350ft east of the Storm Channel, the bottom for this area had previously been accepted at 90% compaction requirements. Geotextile Fabric had been placed with the required 3ft overlap and CMB /Class 2 was stockpiled here to use elsewhere. This section was cut by dozer to elevation 64.3' and compacted by ride in single drum vibratory compactor today. 2 tests were taken at 64.3' both tests were exceeding the compaction requirements of 95%. Work is in progress.

-W/Abutment and Wingwalls, backfilled w/o Abutment wall and between the north and south walls. Field blend material was used for backfill. Material was moisture conditioned and placed in loose lifts bay backhoe and compacted by mechanical tampers. 1 tests was taken at the location at elevation 68'. Test was exceeding the compaction requirements of 95%.

The work inspected ☒ met ☐ did not meet the requirements of the approved documents

Density Tests Taken: 0

Date	04/12/2019	Weather	54-74 Sunny	
Client Authorization	Inspector Signature	Reg Hours	8	DR19-019473 19-0176-0/01
		OT Hours	0	
Representing	Bryan Morris - 200MBD	Begin Time	6:30 AM	
		End Time	3:00 PM	



ARB, Inc
Stanton Energy Reliability Center
Stanton Energy 10711 Dale Avenue
Stanton, CA

Daily Field Report H2201 - Special Inspection

Project: 19-0176-0

DR: DR19-019473

Page: 2

Date: Friday, 12 April 2019

Additional Remarks

Final inspection for the East Abutment (top section) and north and south Wingwalls. All reinforcement has been installed per the details on S-301 and 302. 18" storm drain line is installed with the added epoxy dowels at each side. Weep holes are also in place. On site for final inspection ARB QC, CBO and RMA. All was approved and the placement card was signed for concrete placement on the following working day.

*OC inspector Dean Capalety was on site for OC inspection approval.

CMC

Continued with reinforcement installation at the Ammonia Sump Pit walls. All reinforcement is being installed per the details on SF04-106. Work is in progress.



Reinforcement at wall for Ammonia Sump Pit



Backfill/Compaction at w/o Ammonia Sump



OX operations at 350-450ft e/o Storm Drain



e/Abut top section wall reinforcement inspection

Daily Field Report
H2201 - Special Inspection

Project: 19-0176-0

DR: DR19-019473

Page: 4

Date: Friday, 12 April 2019



18" SD line and weep hole inside e/Abut n/Wingwall

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 04/30/19 10:00AM

INSPECTION NUMBER (File Name): SERC_16-AFC-01_COC_GSU FOUNDATION_190430

CONTRACTOR: ARB, INC.

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

GSU foundation:

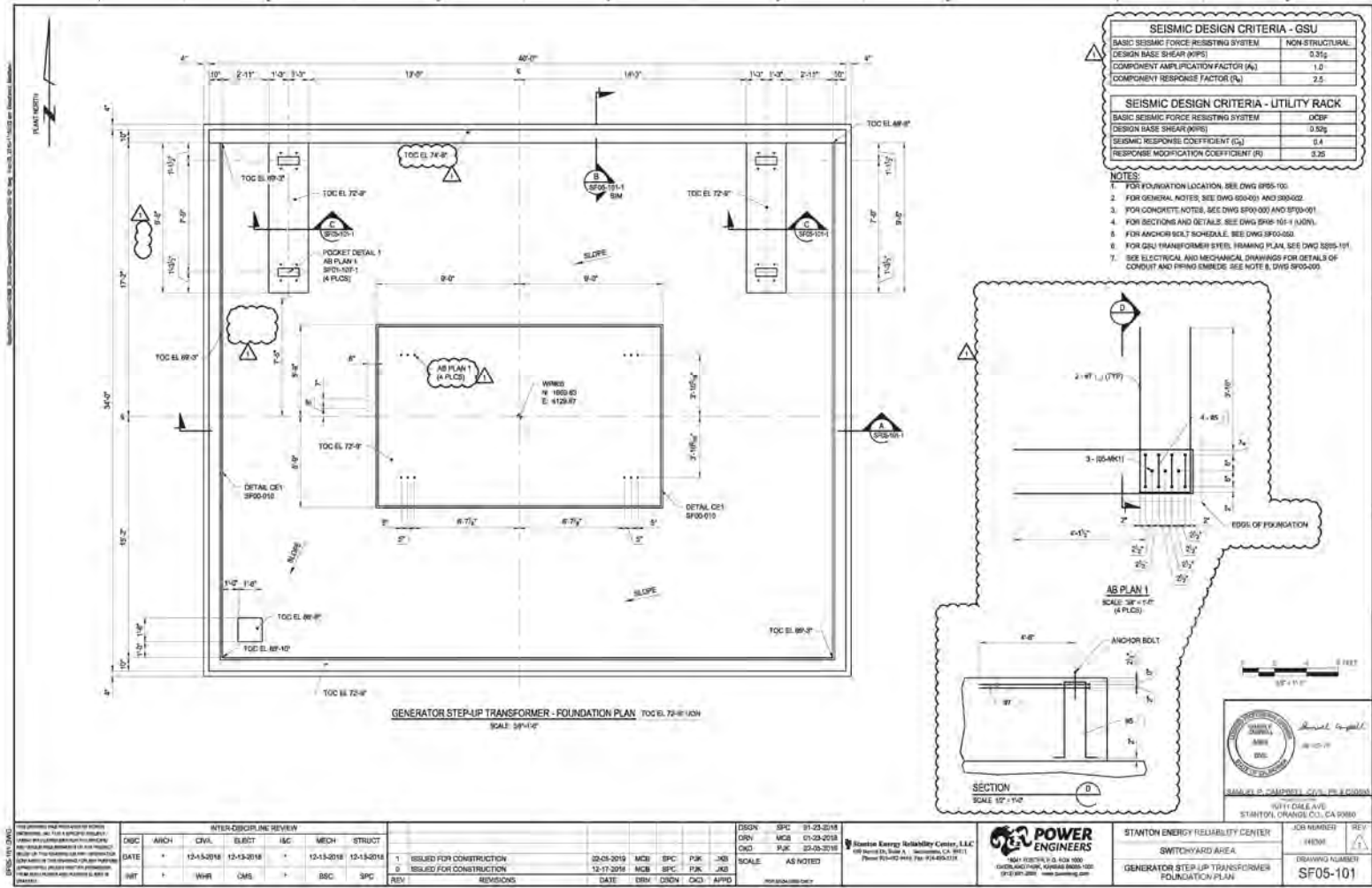
- Form work
- Re-Bar
- Construction joints
-

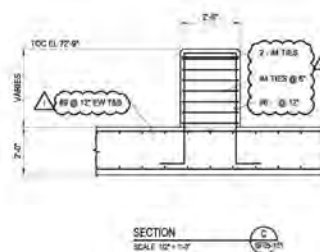
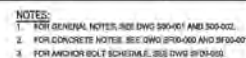
REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.05.14 13:58:01-07'00'

DATE: 04/29/19

OFFICES NATIONWIDE



[illegible]



Daily Field Report Special Inspector (ICC)

ARB, Inc
Stanton Energy Reliability Center
Stanton Energy 10711 Dale Avenue
Stanton, CA

Request By
Date Monday, 29 April 2019
Time 7:00 AM
Task H2201, Special Inspector (ICC)

Phone
Cell

Remarks

Reference Documents Vehicle Bridge Plans, Over Excavation Plans, Structural Plans **Permit no.** 16-AFC-01
General Contractor ARB
Sub-Contractor Ortiz, CMC Rebar
Material Supplier On Site Materials, CMC Rebar, Ewles

Work Inspected

On site at 6:30am, met with ARB to discuss the days working schedule.
On site and performing observation and compaction testing NV5 representative Art Din.

Ortiz
Continued with OX Operations at 450ft east of the storm channel. Material is being excavated and exported today. Bottom elevations is being achieved at 63.3'. At bottom elevation the top 12" of existing materials are being scarified. No compaction tests were taken today. Work is in progress.

CMC Rebar
-Completed the GSU reinforcement installation today. Utility Rack pedestals within the foundation were also completed today. All reinforcement has been installed per the details on SF05-101 and 101-1.
*ARB is welding the bottom nut to the anchor bolts that will be installed at the Utility Rack pedestals.

-Continued with Vehicle Bridge Deck reinforcement installation. All bars are being installed per the details on S-301. Work is in progress.

ARB
Placed CLSM around the bottom of the Ammonia Sump Pit walls.

The work inspected ☒ met ☐ did not meet the requirements of the approved documents

Date	04/29/2019	Weather	56-68 P/Cloudy 20% Rain		DR19-022823 19-0176-0/01
Client Authorization	Inspector Signature	Reg Hours	8		
		OT Hours	0		
		DT Hours	0		
Representing	Bryan Morris - 200MBD	Begin Time	6:30 AM		
		End Time	3:00 PM		



GSU Foundation reinforcement installation



OX Operation from 450 to 550ft



Vehicle Bridge Deck reinforcement installed



CLSM placed around Ammonia Sump Pit for backfill

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 5/9/19 2:00PM

INSPECTION NUMBER (File Name): SERC_16-AFC-01_COC_GSU WALLS_190509

CONTRACTOR: ARB, INC.

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

GSU Walls:

- Form-work
- Re-bar
- Water stops
- Cleanliness

REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.05.17 08:12:30-07'00'

DATE: 05/09/19

OFFICES NATIONWIDE

INSPECTION RESULT

INSPECTION MADE: SERC_16-AFC-01_COC_GSU WALLS_190509

DATE / TIME: May 9, 2019 2:00PM INSPECTOR: Mary Lee Knolle

☒ APPROVED

☐ AT RISK

☐ DISAPPROVED

☐ PHASE PASS

☐ REINSPECTION REQUIRED

SIGNATURE:

SERC_16-AFC-01
--- INSPECTED ---
This inspection report was prepared in accordance with the 2014
California Building Code (CBC) and the 2014 California Building
Code and the 2014 California Building Code. The inspection was
conducted on May 9, 2019 at 2:00 PM. The inspection was
conducted by Mary Lee Knolle, a Licensed Building Official
in the State of California. The inspection was conducted in
accordance with the California Building Code and the 2014
California Building Code. The inspection was conducted in
accordance with the California Building Code and the 2014
California Building Code.

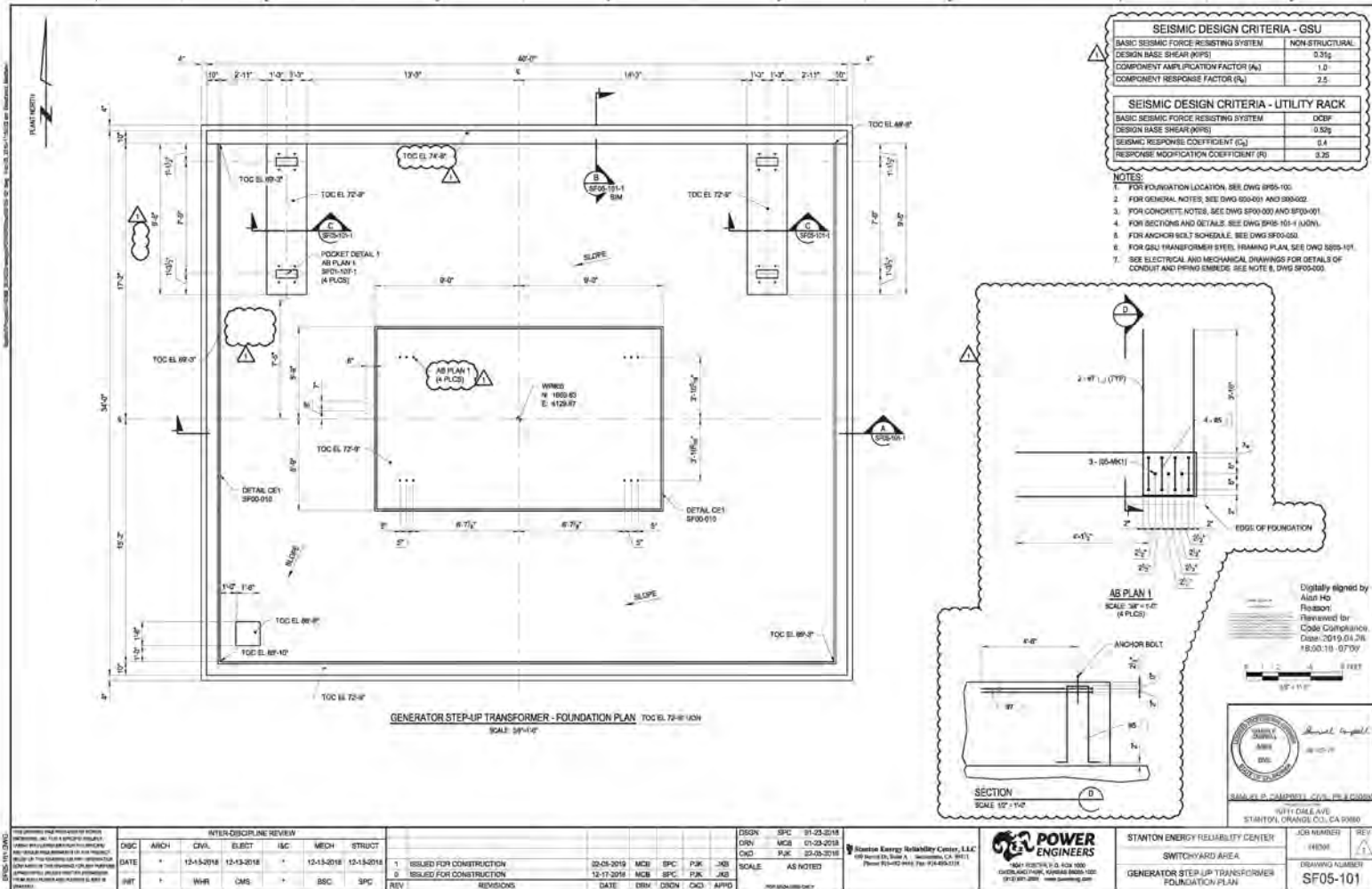
Digitally signed by Mary
Lee Knolle
Date: 2019.05.17
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DATE: May 16, 2019

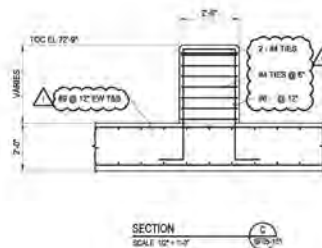
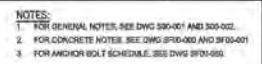
COMMENTS:

No exceptions taken.

ISSUED FOR CONSTRUCTION - 20190429



DOI: 10.1002/anie



Digitally signed by:
Alan Ho
Reason:
Reviewed for
Code Compliance
Date: 2015.04.28
16:26:24 -0700/

[illegible]



Daily Field Report Special Inspector (ICC)

ARB, Inc
Stanton Energy Reliability Center
Stanton Energy 10711 Dale Avenue
Stanton, CA

Request By
Date Thursday, 9 May 2019
Time 7:00 AM
Task H2201, Special Inspector (ICC)

Phone
Cell

Remarks

Reference Documents Vehicle Bridge Plans, Over Excavation Plans, Structural Plans **Permit no.** 16-AFC-01
General Contractor ARB
Sub-Contractor Ortiz, CMC Rebar
Material Supplier On Site Materials, CMC Rebar, Ewles

Work Inspected

On site at 6:30am, met with ARB to discuss the days working schedule. On site and performing observation and compaction testing NV5 representative Art Din.

Ortiz
Continued with OX operations from 200 to 250ft east of the storm channel. CMB/Class 2 materials continued to be imported for fill placement. Material was moisture conditioned during placement in loose lifts and compacted by ride on single drum vibratory compactor and small ride on double drum vibratory compactor. 3 tests were taken through this section all 3 tests were exceeding the compaction requirements of 95%. Work is in progress.

ARB
-At West Abutment n/o North Wingwall, backfill continued with excavated field mix materials from the east parcel of the job site. Materials were moisture conditioned, placed in loose lift and compaction efforts by walk behind double drum vibratory compactor and mechanical tamper. 2 tests were taken through this section today, both tests were exceeding the compaction requirements of 95%.

-Placed 40 yards of mix design #80083A at the 15KV #58DB from 450 to risers at the Switch Gear #1. Concrete was placed by truck chutes and concrete bucket and consolidated by mechanical vibrator. Monitored placement, trucks for water control and time requirements. 1 set of 8, 4x8 cylinders was cast today. All testing requirements were within tolerances.

-Final inspection for the GSU containment walls. All reinforcement has been installed per the details on SF05-101 and 101-1. On site for final inspection ARB QC, CBO and RMA. All was approved for reinforcement inspection only.

*also on site for final inspection was representatives from Wellhead.

-Final inspection for the Utility Rack 2 (type 6) foundation. All reinforcement has been installed per the details on SF01-107-2. On site for final inspection ARB QC, CBO and RMA. All was approved for concrete and the placement card was signed.

*also on site for final inspection was representatives from Wellhead.

CMC Rebar
Completed Ammonia Tank Foundation bottom section today. All reinforcement was installed per the details on SF04-101-1. Work is in progress.

The work inspected ☒ met ☐ did not meet the requirements of the approved documents

Date	05/9/2019	Weather		58-67 Cloudy	DR19-025386 19-0176-0/01
Client Authorization	Inspector Signature	Reg Hours	8		
		OT Hours	0		
		DT Hours	0		
Representing	Bryan Morris - 200MBD	Begin Time	6:30 AM		
		End Time	3:00 PM		
Rubel Martinez					



ARB, Inc
Stanton Energy Reliability Center
Stanton Energy 10711 Dale Avenue
Stanton, CA

Daily Field Report Special Inspector (ICC)

Project: 19-0176-0

DR: DR19-025386

Page: 2

Date: Thursday, 9 May 2019

Additional Remarks

ARB

Installed the wire mesh for the weep holes at the West Abutment inside Wingwalls at the north and south walls. Installation of the wire mesh, filter fabric and birdseye material was placed per the details on S-601 and S-302. Work is in progress.

Sample Type	Concrete		
General Contractor	ARB		
Sub-Contractor	Ortiz, CMC Rebar		
Material Supplier	On Site Materials, CMC Rebar, Ewles		
Sampled By	Bryan Morris	Sample Date	Thursday, 9 May 2019
Set No.	1	Time Cast	11:00
Mix Design No.	80083A	Specified Strength	4500 psi
Admixtures	NA	Slump/Pen	5
Material Temp	77 ° F	Air Temp	63 ° F
Truck No.	1866	Trip Ticket No.	4514859
Air Content	NA	Unit Wt	NA
No. of Samples	8	Breaks*:	7 14 28 28 28 Hold Hold Hold
Placed At 15KV #58DB (400 to risers at Switch Gear #1)			
Curing Location Cure Cooler			



Wire Fabric for weep holes @ Bridge Wingwalls



Wire Fabric installed at Wingwalls



Reinforcement for containment walls @ Ammonia Tank



Concrete placement @ 15KV risers @ Switch Gear #1

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 05/01/19 10:00AM

INSPECTION NUMBER (File Name): SERC_16-AFC-01_COC_UTILITY RACK FND 3 & 4_190501

CONTRACTOR: ARB, INC.

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIONAL PAGES IF NEEDED):

Utility Rack 3 & 4 foundation:

- Form-work
- Re-bar
- Embeds
- Cleanliness

REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.04.30 14:06:16-07'00'

DATE: 04/30/19

OFFICES NATIONWIDE

INSPECTION RESULT

INSPECTION MADE: SERC_16-AFC-01_COC_UTILITY RACK FND 3 & 4_190501

DATE / TIME: 20190501 0900 INSPECTOR: Mary Lee Knolle

☒ APPROVED

☐ AT RISK

☐ DISAPPROVED

☐ PHASE PASS

☐ REINSPECTION REQUIRED

SIGNATURE:

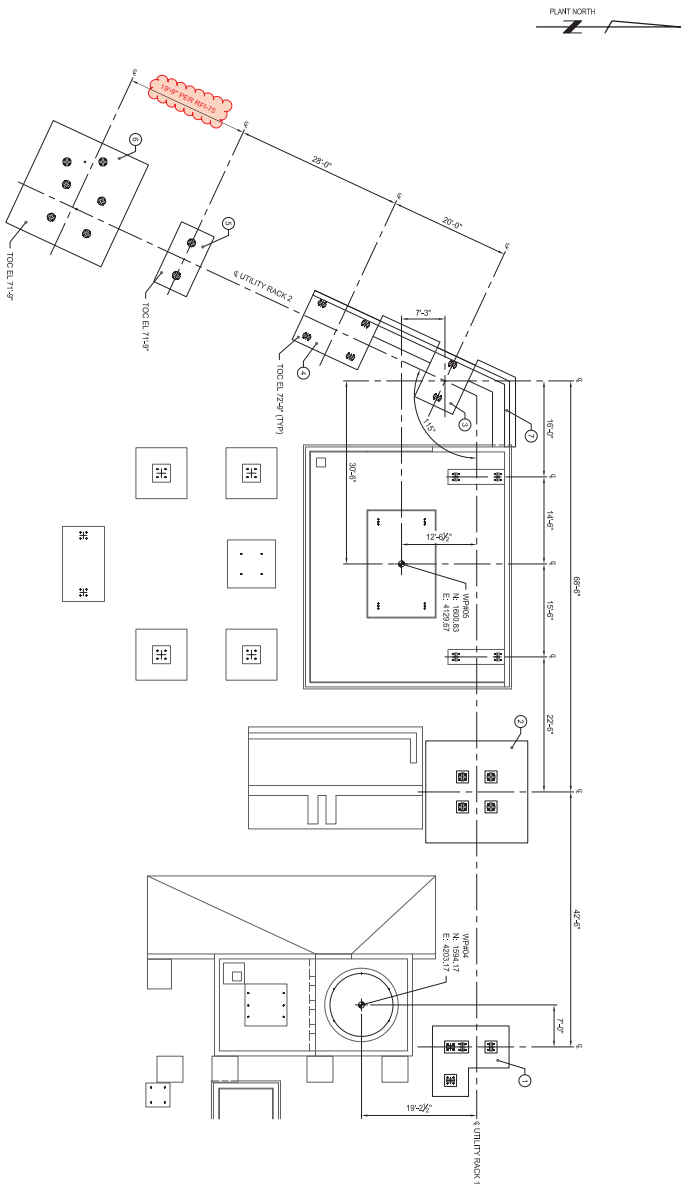
SERC_16-AFC-01
-- INSPECTED --
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Digitally signed by Mary
Lee Knolle
Date: 2019.06.14
10:33:43 -07'00'

DATE: May 1, 2019

COMMENTS:

Per plans attached no exceptions given



- FOUNDATION LEGEND:**
- ① UTILITY RACK FOUNDATION TYPE 1 - DWG SP01-107-1
 - ② UTILITY RACK FOUNDATION TYPE 2 - DWG SP01-107-1
 - ③ UTILITY RACK FOUNDATION TYPE 3 - DWG SP01-107-1
 - ④ UTILITY RACK FOUNDATION TYPE 4 - DWG SP01-107-1
 - ⑤ UTILITY RACK FOUNDATION TYPE 5 - DWG SP01-107-2
 - ⑥ UTILITY RACK FOUNDATION TYPE 6 - DWG SP01-107-2
 - ⑦ UTILITY RACK RETAINING WALL - DWG SP01-107-2
- NOTES:**
1. FOR FOUNDATION LOCATION, SEE DWG SP01-103.

UTILITY RACK - FOUNDATION PLAN

SCALE: 1/8" = 1'-0"



SAMUEL P CAMPBELL CIVIL PE # C20895

STANTON, ORANGE CO., CA 92610

... CENTER

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 19008
OVERALL SITE	DATE 1/1/00
UTILITY RACK FOUNDATION PLAN	DRAWING NUMBER S-01-107

SF01-107

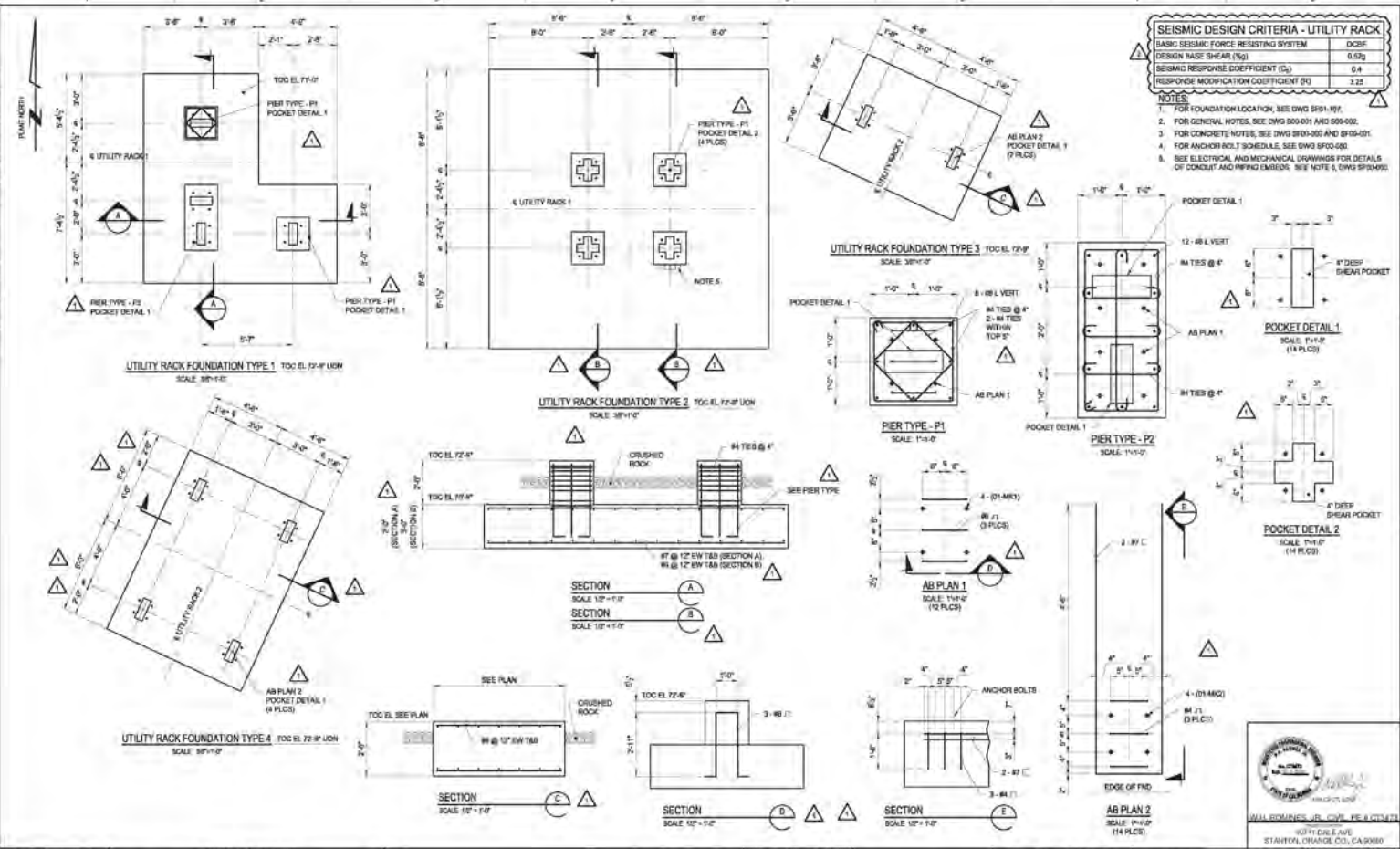
[illegible]

Siemion Energy Reliability Center,
6510 Hilda Dr., Suite A • Sacramento, CA 95828
Phone: 916/972-0686 Fax: 916/988-2318

POWER ENGINEERS
10241 FOSTER, P.O. BOX 1020
OVERLAND PARK, KANSAS 66266-1000
(913) 681-2031 www.powereng.com

STANTON ENERGY RELIABILITY CENTER	JOB NUMBER 19006
OVERALL SITE	
UTILITY RACK FOUNDATION PLAN	DRAWING NUMBER S-01-107

1. FOR FOUNDATION LOCATION, SEE DWG SF01-107.1
 2. FOR GENERAL NOTES, SEE DWG SF01-100 AND SF01-101
 3. FOR CONCRETE NOTES, SEE DWG SF01-100 AND SF01-101
 4. FOR ANCHOR BOLT SCHEDULE, SEE DWG SF01-100
 5. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF CONDUIT AND RING EMBEDS. SEE NOTE 6, DWG SF01-100



INTER-DEPARTMENTAL REVIEW						REVISIONS				DESIGN				POWER ENGINEERS				STANTON ENERGY RELIABILITY CENTER			
DATE	BY	CHKD	ELC	MECH	STRUC	DATE	BY	CHKD	APPR	DATE	BY	CHKD	APPR	DATE	BY	CHKD	APPR	DATE	BY	CHKD	APPR
12-13-2018	WHR	CMS		BSC	SPC	02-05-2019	MCB	JCH	PJK	01-26-2019	MCB	JCH	PJK	01-26-2019	MCB	JCH	PJK	01-26-2019	MCB	JCH	PJK
12-13-2018						12-13-2018	MCB	SPC	PJK	01-26-2019	MCB	SPC	PJK	01-26-2019	MCB	SPC	PJK	01-26-2019	MCB	SPC	PJK
12-13-2018						12-13-2018	MCB	SPC	PJK	01-26-2019	MCB	SPC	PJK	01-26-2019	MCB	SPC	PJK	01-26-2019	MCB	SPC	PJK

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 5/9/19 2:30PM

INSPECTION NUMBER (File Name): SERC_16-AFC-01_COC_UTILITY RACK FND 6_190509

CONTRACTOR: ARB, INC.

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIONAL PAGES IF NEEDED):

Utility rack #6 foundation:

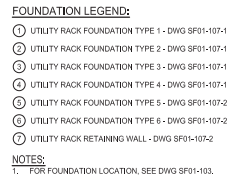
- Form-work
- Re-bar
- Cleanliness

REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.05.09 07:09:19-07'00'

DATE: 05/09/19

OFFICES NATIONWIDE

[illegible]

UTILITY RACK FOUNDATION TYPE 5
T.O.C. EL. 71'-0" UON
SCALE: 3/8"=1'-0"

UTILITY RACK FOUNDATION TYPE 6
T.O.C. EL. 71'-0" UON
SCALE: 3/8"=1'-0"

UTILITY RACK RETAINING WALL PLAN
SCALE: 3/8"=1'-0"

SECTION A-A
SCALE: 3/8"=1'-0"

SECTION B-B
SCALE: 3/8"=1'-0"

SEISMIC DESIGN CRITERIA - UTILITY RACK

BASIC SEISMIC FORCE RESISTING SYSTEM		OCBF
DESIGN BASE SHEAR (V _b)		0.02g
SEISMIC RESPONSE COEFFICIENT (C _s)		0.4
RESPONSE MODIFICATION COEFFICIENT (R)		3.25

NOTES:

- FOR FOUNDATION LOCATION, SEE DWG SFD-107-1.
- FOR GENERAL NOTES, SEE DWG SFD-107-1 AND SFD-107-2.
- FOR CONCRETE NOTES, SEE DWG SFD-107-3 AND SFD-107-4.
- FOR ANCHOR BOLT SCHEDULE, SEE DWG SFD-107-5.
- SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS OF PIPING AND EQUIPMENT. SEE ALSO SFD-107-6 AND SFD-107-7 FOR ADDITIONAL DETAILS. SEE DWG SFD-107-1.

REVISIONS

DATE	BY	CHKD	DESCRIPTION
03-27-2019	MCB	JOH	ISSUED FOR CONSTRUCTION
12-17-2018	MCB	SPC	ISSUED FOR CONSTRUCTION

INTER-DISCIPLINE REVIEW

DATE	ARCH	CIVIL	ELECT	MECH	STRUCT
03-27-2019					

DESIGN

DATE	BY	CHKD	DESCRIPTION
03-27-2019	MCB	JOH	ISSUED FOR CONSTRUCTION
12-17-2018	MCB	SPC	ISSUED FOR CONSTRUCTION

STANTON ENERGY RELIABILITY CENTER, LLC
600 North 1st Street, Suite A, Sacramento, CA 95811
Phone: (916) 442-1000 Fax: (916) 442-1010

POWER ENGINEERS
1441 FORTINER BLVD. SUITE 100
CHICO, CA 95926
(916) 897-2001 Fax: (916) 897-2002

STANTON ENERGY RELIABILITY CENTER
OVERALL SITE
UTILITY RACK FOUNDATION TYPES

DRAWING NUMBER
SFD-107-2

INSPECTION REQUEST

REQUESTED INSPECTION DATE / TIME: 04/08/19

INSPECTION NUMBER (File Name): SERC_16-AFC_01_COC_WEST WING WALL_190408

CONTRACTOR: ARB, INC.

CONTACT PERSON: Jake Hoover

AREAS TO BE INSPECTED (ATTACHED ALL RELEVANT PLANS, PHOTOS, ETC.):

See Attached

TYPE OF INSPECTION: ☒ New ☐ Re-Inspection Previous IR #:

COMMENTS (ATTACH ADDITIOANL PAGES IF NEEDED):

Inspection of:

West wing wall bridge abutment

-Forms

-Rebar

-Wall expansion

-Area preparation

REQUESTOR SIGNATURE: Jake Hoover

Digitally signed by Jake Hoover
DN: C=US, E=jhoover@prim.com,
O=ARB, CN=Jake Hoover
Reason: I agree to specified portions
of this document
Date: 2019.04.10 08:12:56-07'00'

DATE: 04/07/19

OFFICES NATIONWIDE

INSPECTION RESULT

INSPECTION MADE: West wing wall bridge abutment -Forms -Rebar -Wall expansion -Area preparation

DATE / TIME: 20190408 0800 **INSPECTOR:** Mary Lee Knolle

☒ **APPROVED**

☐ **AT RISK**

☐ **DISAPPROVED**

☐ **PHASE PASS**

☐ **REINSPECTION REQUIRED**

SIGNATURE:

SEBC-16-AFC-01
-- INSPECTED --
The undersigned hereby certifies that the inspection was conducted in accordance with the provisions of the California Building Code, the California Code of Regulations, and the provisions of the project contract. The undersigned is not responsible for the design or construction of the project, nor for the accuracy of the information provided by the contractor. The undersigned is not responsible for the safety of the project, nor for the safety of the workers on the project.

Digitally signed by Mary
Lee Knolle
Date: 2019.04.10
09:05:18 -07'00'

DATE: April 08, 2019

COMMENTS:

West wing wall bridge abutment Forms, Rebar installation, Wall expansion and area preparation for concrete pour at 0700 20190409, was inspected per plans, and specs.

End Report