



## ZONE 3 ADVISORY COMMITTEE

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San Luis Obispo County Flood Control and Water Conservation District

### AGENDA

Thursday, January 19, 2017 6:30 p.m.  
City of Grover Beach

- I. CALL TO ORDER AND ROLL CALL
- II. PUBLIC COMMENT  
This is an opportunity for members of the public to address the Committee on items that are not on the Agenda
- III. APPROVAL OF MEETING MINUTES OF NOVEMBER 17, 2016
- IV. OPERATIONS REPORT
  - A. Water plant operations, reservoir storage, downstream releases
  - B. Projected Reservoir Levels
- V. INFORMATION ITEMS
  - A. Distribute Fiscal Year 2017-18 Proposed Budget
  - B. Climate Update
- VI. CAPITAL PROJECTS UPDATE
  - A. Bi-Monthly Update
- VII. ACTION ITEMS (No Subsequent Board of Supervisors Action Required)
- VIII. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)
  - A. AT&T Cell Tower Site Request
- IX. FUTURE AGENDA ITEMS
  - A. Funding Groundwater Modeling
  - B. Cloud Seeding
  - C. Contract Renegotiation Discussions
- X. COMMITTEE MEMBER COMMENTS

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Next Regular Meeting is Tentatively Scheduled for  
Thursday, March 16, 2017 at 6:30 PM at Oceano Community Services District  
Agendas accessible online at [SLOCountyWater.org](http://SLOCountyWater.org)

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**SAN LUIS OBISPO COUNTY FLOOD CONTROL  
AND WATER CONSERVATION DISTRICT  
ZONE 3 ADVISORY COMMITTEE  
DRAFT MEETING MINUTES  
THURSDAY November 17, 2016**

**I. Call To Order/Roll Call** - The Meeting was called to order at 6:30 PM at the City of Grover Beach by Zone 3 Advisory Committee Chairman and Avila Beach Community Services District (CSD) General Manger, Brad Hagemann. County Public Works Department Utilities Program Manager and Secretary to the Zone 3 Advisory Committee, Andrea Montes, called role. Members in attendance were:

- Kristen Barneich, City of Arroyo Grande
- Brad Hagemann, Chairman/Avila Beach CSD
- Karen Bright, City of Grover Beach
- Jim Garing, Member at Large
- Paavo Ogren, Oceano Community Services District
- Vard Ikeda, Vice-Chairman/Agriculture Delegate
- Ed Waage, City of Pismo Beach

Quorum was established and the meeting continued.

- II. Public Comment** – No public comment was given
- III. Approval of Meeting Minutes of September 15, 2016** – Member Waage motioned approval; Member Barneich second. Member Garing abstained. Motion passed.
- IV. Approval of 2017 Meeting Schedule** – Ms. Montes indicated she would schedule the November 16, 2017 Zone 3 Advisory Committee meeting to take place at City of Arroyo Grande Council Chambers and will redistribute updated meeting schedule. Member Bright motioned approval of the 2017 Meeting Schedule; Member Waage second. Motion passed.
- V. Operations Report** - Ms. Montes indicated the Lopez Lake elevation was 458.34 feet. Storage was 11,196 acre-feet (AF), which is 23% capacity. Rainfall to date was 3.23 inches. Plant production was 2 million gallons per day (MGD). Terminal Reservoir Visibility is 3.5 feet. Downstream release was 2.1 MGD. And State Water was 2.7 MGD.

County Public Works Engineer, Jill Ogren, followed up with Lopez Monthly Operational Report for the month of October. Total deliveries, including State

Water, for month of October was 460.24 AF; storage was 358 AF of State Water. Rainfall as of October 1, was 2.77 inches; downstream releases were 310 AF for month of October; year-to-date downstream was 2,120 AF.

Ms. Ogren reviewed the Lopez Reservoir Storage Projections and indicated Lopez Lake levels are projected to actually be higher in November than the 10,000 AF mark because prior projections did not include actual downstream releases planned and developed with the agriculture group. According to the rainfall projection provided by LongRangeWeather.com, we are expected to hit the 10,000 mark in February 2017, rather than November 2016.

Ms. Ogren indicated there is 350 AF of State Water in the reservoir because the District is taking the maximum amount of State Water that can be taken, which is more than State Water Project Contractors within Zone 3 requested. This water has become District Excess Allocation and helps preserve the Lopez Water supplies.

Member Ogren indicated when the LRRP was adapted, it gave the Zone 3 Advisory Committee the ability to modify the delivery strategies and draw below the minimum 4,000 AF by modifying the LRRP (Low Reservoir Response Plan) through the Adaptive Management Program. Ms. Ogren indicated we'd have to see the origin of the 4,000 AF limit, but physically it appears we can get water below the 4,000 AF limit with the current facilities at the dam. Member Garing indicated, the 4,000 AF pool was related to the requirement to maintain recreational purposes while paying back the grant. Thus, the limit may no longer be applicable. Ms. Ogren agreed but indicated she could not find documentation but will continue looking into it.

Ms. Ogren added that at the end of month, inspections on functionality of the last intakes will take place and may determine if we can follow through with Member Ogren's suggested action. This item will returned to the Zone 3 Technical Advisory Committee (TAC) to discuss discoveries and next steps.

Member Ikeda referred to a discussion which took place at the TAC regarding a pump that could take the reservoir level below 4,000 and asked if funding was being secured for this. Ms. Ogren indicated this option is on hold because we now know the intake structures already in place can reach as low as 1,700 AF of water remaining in the reservoir. Money would be better spent looking into other options. Thus, this option is low priority.

No public comment was given.

## **VI. Information Items**

**A. First Quarter Budget Status Report** – Kristi Smith, County Public Works Finance and Flood Control Zone 3 Accountant, presented the Fiscal Year (FY) 2016-17 First Quarter Budget Status report for Flood Control Zone 3, for the period of July 1 through September 30, 2016.

Ms. Smith indicated at twenty-five (25) percent of the fiscal year, total expenditures were approximately twenty (20) percent of annual budget. Ms. Smith referred to the graphs illustrated in the agenda packet.

At twenty-five (25) percent of the fiscal year, the Routine Operation and Maintenance graph showed expenses amounting to twenty-five (25) percent of the budget resulting in 2.6 million dollars left for the remainder of the year.

The Non-Routine Operation and Maintenance graph showed expenses amounting to approximately seven (7) percent of the budget resulting in approximately \$757,000 dollars remaining for the year. Ms. Smith indicated the majority of the available balance left over was a result of the Lopez Water Rights Habitat Conservation Plan (HCP) further described in the quarterly report.

The Capital Outlay graph showed expenses amounting to approximately four (4) percent of the budget, resulting in \$492,000 of available balance for the remainder of the year.

Ms. Smith indicated final billing adjustments for FY 15-16 resulted in a savings of \$171,000 to be issued as credits back to the Zone 3 agencies. FY 15-16 credit memos will reflect whether or not Zone 3 agencies choose to use these savings. These credit memos, along with FY 15-16 second installment invoices due January 1, 2017, were to be mailed out to agencies the following business day.

No public comment was given.

**B. Climate Update** - Ms. Montes presented the Climate Update and indicated San Luis Obispo County is still experiencing exceptional drought with above average temperatures.

No public comment was given.

**C. Cloud Seeding Feasibility Report Update** – Ms. Ogren indicated the draft Cloud Seeding Report is completed for the Lopez Watershed and Salinas Reservoir Watershed and will be taken to the TAC for reviewing after staff is finished looking over it. Additionally, Monterey County Water Resources is doing a cloud seeding feasibility report for the Nacimiento watershed. All reports will be put together and distributed among the Zone 3 agencies for discussion, approval and next steps.

Ms. Ogren indicated Santa Barbara County has cloud seeded since 1986 at about \$300,000 dollars a year (not including California Environmental Quality Act (CEQA) and other prior expenses) with nine (9) to twenty-one (21) percent increase in precipitation; however, storms are required for successful cloud seeding.

If a CEQA document must be developed, implementation may take two (2) to three (3) years. Member Garing indicated this should be done anyway in case it will become necessary in the future.

Member Waage recommended sharing cloud seeding efforts with Santa Barbara and Monterey counties to cut expenses. Ms. Ogren indicated this was part of the study report.

No public comment was given.

## **VII. Capital Projects Update**

**A. Carpenter Creek Foot Bridge Replacement Project** – Ms. Ogren indicated the Carpenter Creek Foot Bridge Replacement Project related to the Meadow Creek Drainage Project and funded by Zone 3 Agencies, was completed and referred to before and after pictures in the agenda packet.

Ms. Ogren briefly ran through Zone 3 projects related to the Lopez Water Treatment Plant and indicated:

- the variable frequency drive replacements have been completed and have been operating since October;
- the Lopez Dam spillway project related to the Division of Safety of Dams requirement has been completed;
- the SCADA Project was wrapping up with only Oceano left;
- new strainers for the Membrane Strainer Replacement Project will arrive at the end of February;
- parking and roadway resurfacing work is expected to be completed in March; and
- because the Zone 3 Advisory Committee approved a \$625,000 pH Suppression Project, other projects are being deferred due to budget adjustments. The Board Letter requesting budget adjustments was scheduled to go to the County Board of Supervisors on December 13.

No public comment was given.

## **VIII. Action Items - (No Subsequent Board of Supervisors Action Required)**

**IX. Action Items – (Board of Supervisors Action is Subsequently Required)**

**A. ECORPS contract for modeling changes to water supply contracts –**

Ms. Ogren referred to her staff report in the Agenda Packet regarding ECORPS Consulting, Inc. who is assisting with the HCP as well as baseline modeling of the Lopez reservoir and development of a downstream release program to satisfy dam operation methods and National Marine Fisheries Service (NMFS) requirements for steelhead.

Ms. Ogren indicated the TAC brought up consideration of water supply contract changes. These contract changes could have significant impact on the HCP modeling. In order to move forward with the HCP and downstream release program, Zone 3 agencies wanted to know how the modeling could potentially affect water supply contract changes. ECORPS submitted a proposal to model potential scenarios related to the contract changes and collaboration with TAC.

The scope of work and cost estimate came out to be \$113,545 which can be funded using the FY 15-16 Zone 3 agency credits. Ms. Ogren referred to the table attached to her staff report which demonstrated the cost breakdown if the action was passed. She pointed out that CSA 12's credits are shown as negative because they had exceeded their budget. However, all the other agencies had excess credits so there was enough to fund the ECORPS contract. Ms. Ogren indicated the TAC supported the modeling action, but the method of funding must be decided by the Zone 3 Advisory Committee.

Member Bright motioned to move forward with Staff recommendation of applying FY 15-16 Zone 3 agency credits to fund the ECORPS Modeling Contract Addendum for \$113, 545; Member Waage second. Ms. Montes took roll call; all approved with Member Ikeda abstaining. Motion passed.

**X. Future Agenda Items –** Member Ogren commented that contractor negotiation discussions are on hold due to the ECORPS evaluation and HCP environmental related work that must be completed first.

Regarding the funding of groundwater modeling, Zone 3 agency representatives met with the County on November 4, 2016 to start working on the scope of work. Member Ogren indicated an action on that will be seen around January or March, 2017 and a potential issue the Zone 3 Advisory Committee may have to consider is the original funding plan has changed. TAC will handle the technical work, scope, and methods.

Ms. Ogren added that the Zone 3 FY 17-18 proposed budget will be presented at the January 19, 2017 Advisory Committee Meeting. CIP proposals will be brought to the TAC in December, refining of these will happen in January 2017, and the final budget will be brought back to the Zone 3 Advisory Committee.

Member Ikeda spoke in favor of keeping the topic of cloud seeding on future agendas.

**XI. Committee Member Comments** – Ms. Barneich commented that Measure E passed in Arroyo Grande with an eighty-six (86) percent vote so Arroyo Grande can now purchase State Water in a locally declared emergency as per the City Council.

Member Bright was acknowledged and thanked for her nearly 10 years of service and commitment with the Zone 3 Advisory Committee.

**Meeting Adjourned at 7:30 PM**

**Next Regularly Scheduled Meeting** -- Next Regular Meeting is Tentatively Scheduled for Thursday, March 16, 2017 at 6:30 PM at Oceano Community Services District.

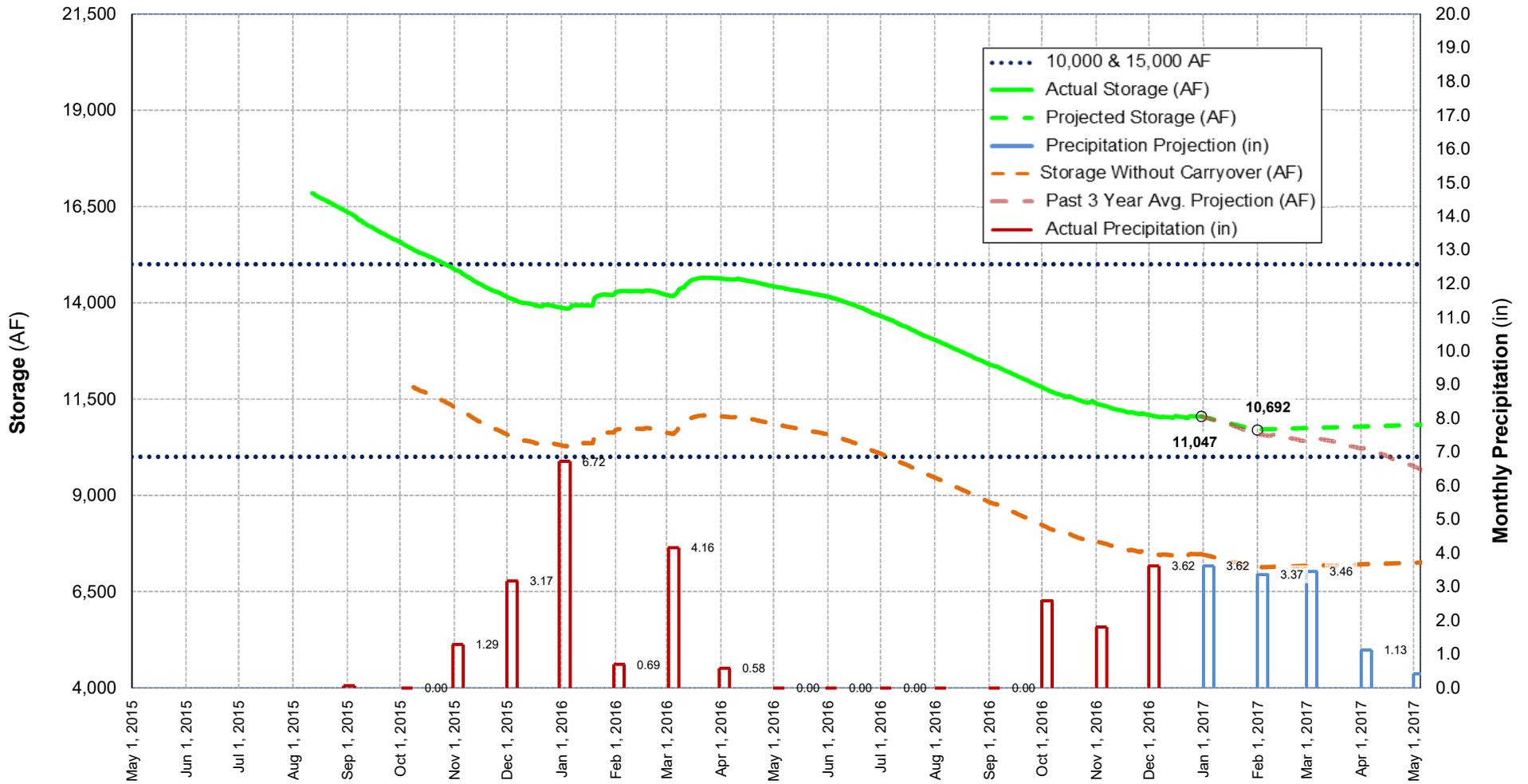
Respectfully Submitted,

Andrea M Montes  
County of San Luis Obispo Public Works Department

## Lopez Reservoir Storage Projections

(precipitation scenario source: www.LongRangeWeather.com)

Revised: 12/31/2016

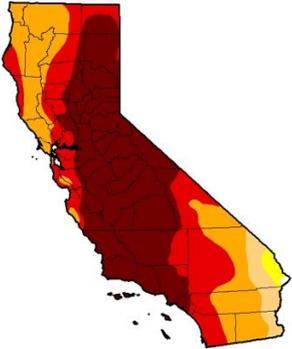


**Notes:**

- For "Dry Months" (April - October), projected increases and/or decreases in storage estimated to mimic conditions from 2015.
- For "Wet Months" (November - March), projected storage declines assume LRRP annual downstream release of 3,800 AFY and deliveries of 4,077 AFY.
- For "Wet Months", projected storage increases based on historic trends from actual storm data for the period of 12/1993 through 6/2011.
- Storage projection for "Wet Months" assume that unsaturated conditions exist.
- Rainfall projection provided by www.LongRangeWeather.com, and updated 10/31/2016. Evaporation included in storage projection.
- Past 3 Year Avg. Projection uses historic daily capacity changes averaged from 2013, 2014, 2015
- Actual precipitation is as of the 1st of the month

# U.S. DROUGHT MONITOR

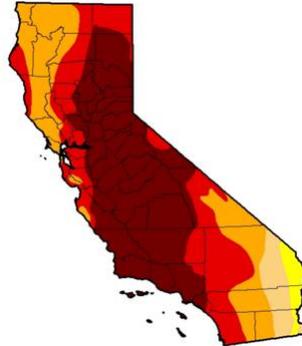
July 2015



September 2015



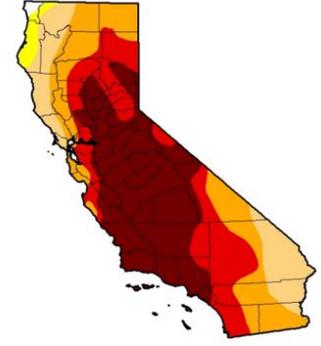
November 2015



January 2016



March 2016



May 2016



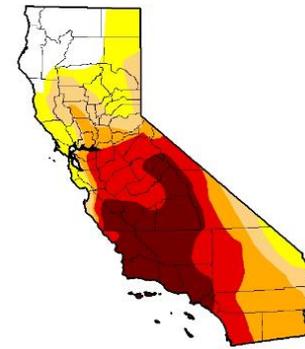
July 2016



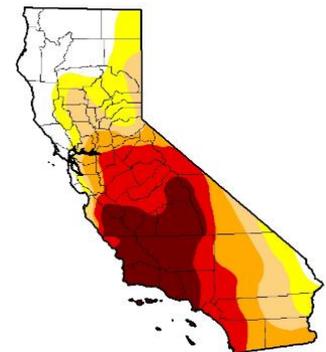
September 2016



November 2016



January 2017



## Intensity:

-  D0 - Abnormally Dry
-  D1 - Moderate Drought
-  D2 - Severe Drought

-  D3 - Extreme Drought
-  D4 - Exceptional Drought

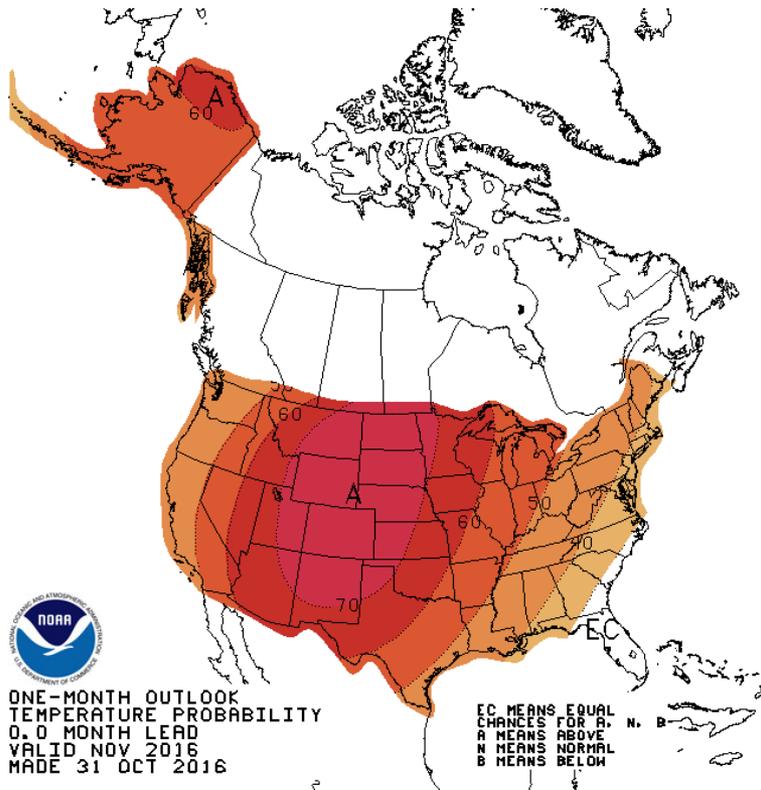
Permission to reproduce the map

If you reproduce the U.S. Drought Monitor map, please use this wording:

The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the United States Department of Agriculture, and the National Oceanic and Atmospheric Administration. Map courtesy of NDMC-UNL.

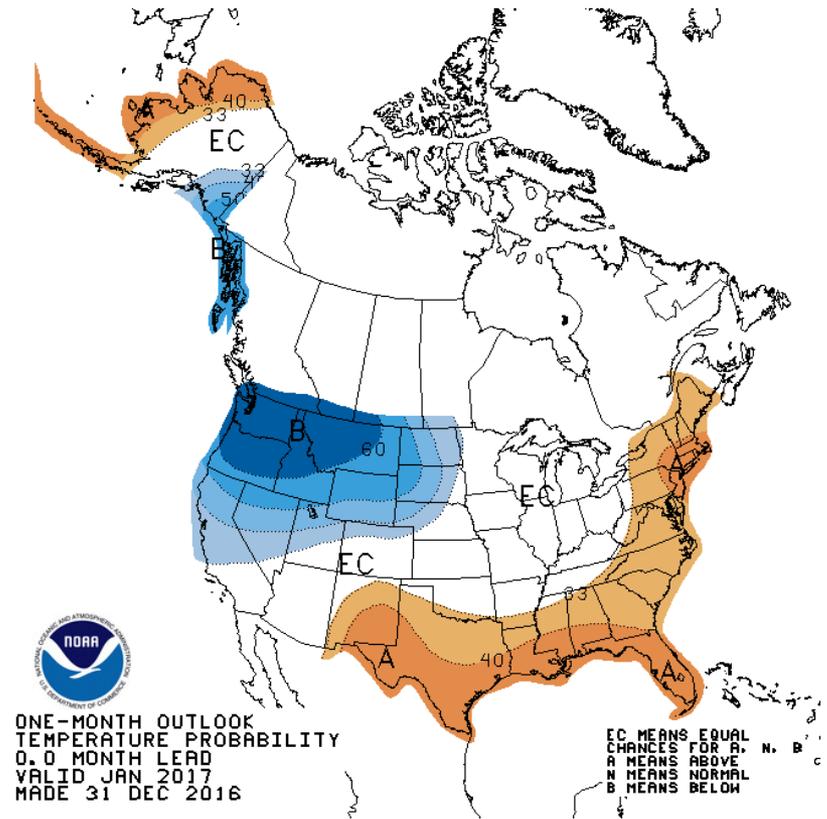
# NOAA TEMPERATURE FORECAST

## November



## November Meeting

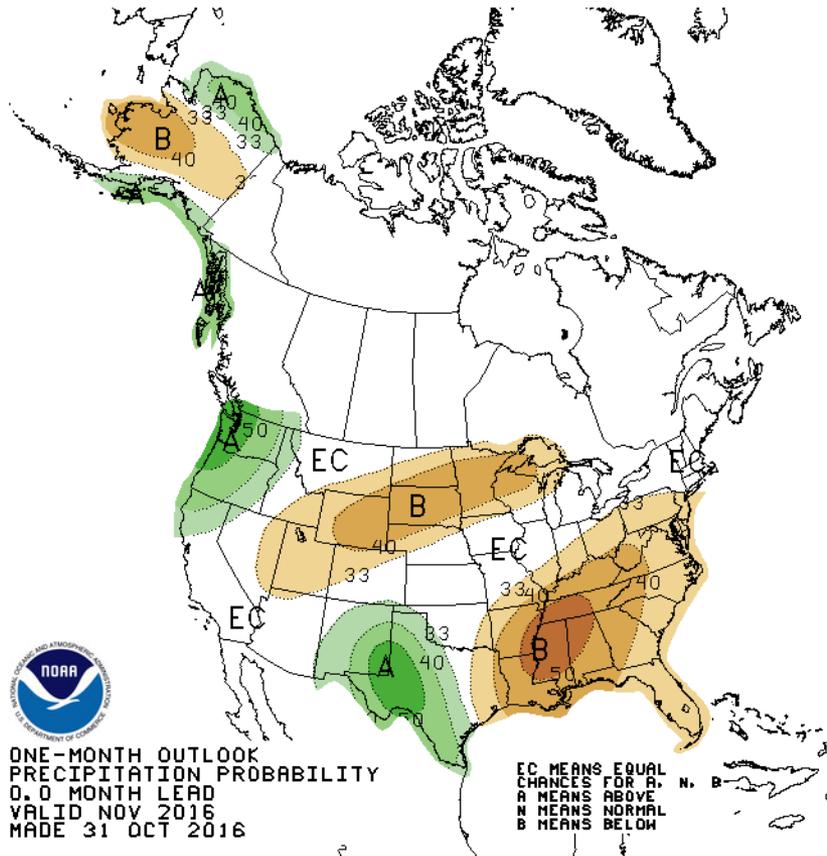
## January



## January Meeting

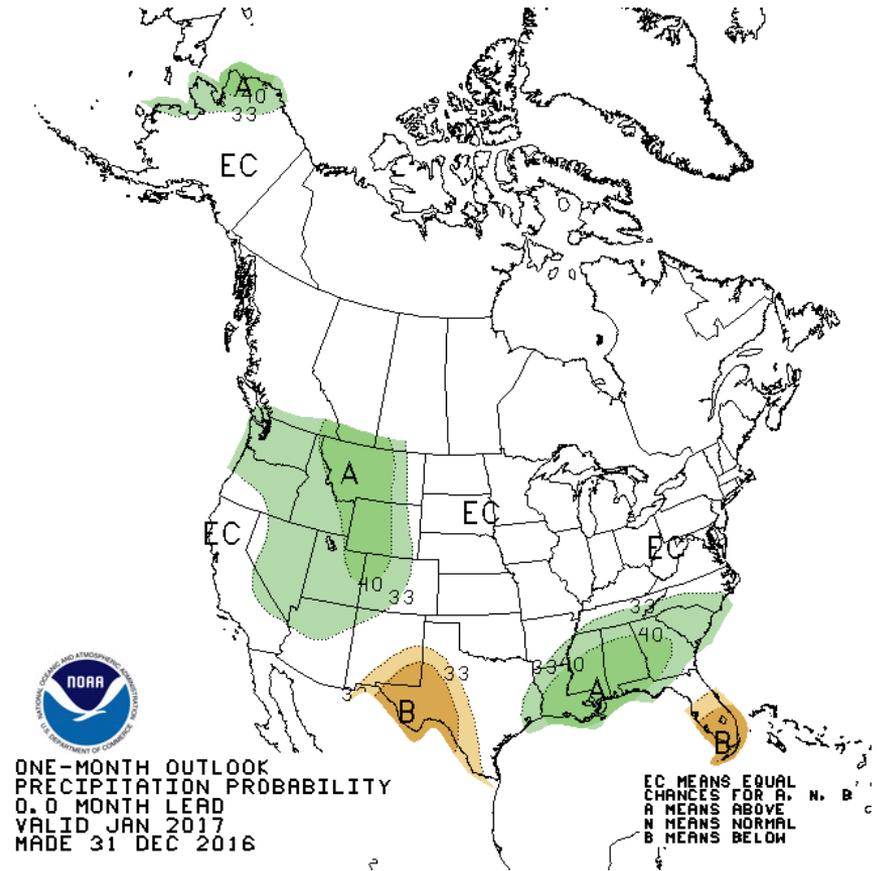
# NOAA PRECIPITATION FORECAST

## November



## November Meeting

## January



## January Meeting



**TO:** Zone 3 Advisory Committee  
**FROM:** Joshua Roberts, PE - Capital Projects  
**DATE:** January 19, 2017  
**SUBJECT:** Zone 3 Capital Projects Update

**Recently Completed Projects:**

- Dam Intake & Operations Assessment
- VFD Replacement
- Lopez Dam - Repair V-Ditch adjacent to Spillway (Flushing)
- Terminal Reservoir Intake Repair

**Project Updates:**

- Turnout SCADA Project
  - Remounting panel to integrate Ocean radio 1/2
  - County IT SCADA Integration 1/9 (re-scheduled)
- Membrane Strainer Replacement Project
  - Order complete new all-stainless strainers (direct replacement) – Feb 2017 Delivery
  - Obtaining quote for installation and flushing
  - Flush and inspect downstream piping
- 6<sup>th</sup> Rack Addition
  - Construction 80% complete
  - Completion has been delayed until Membrane strainers have been replaced (Feb 2017)
  - Approximately 2 weeks required to complete install

- Coagulant Feed Alarm/Meter
  - NEW Replacement Ordered – Jan 2016 anticipated delivery
  
- PLC Replacement & Programming
  - Preparing sole source agreement for Board Approval (60 days)
  - Agreement review in process
  - Plan to install with strainers and 6<sup>th</sup> Rack completion
  
- Parking & Roadway Resurfacing
  - In Design
  - Included with 16/17 Pavement Management – Spring 2017
  
- Equipment Audit & Replacement
  - Work proposed to continue in 2017/18

**Upcoming Projects (Requested FY 2017/18):**

- Lopez WTP Safety Upgrades
- Pressure Transducers
- Structural Assessment of Terminal Reservoir
- Cathodic Protection Survey
- Replace Membrane Feed Pumps (1 per year)
- Fault Zone Repair – Dam Left Abutment
- Repair Domestic & Fire Tanks
- Equipment Storage
- Replace Ammonia Analyzer

**Deferred Projects**

- Improve Boat Access (FY 2018/19)
- Power Monitoring (FY 2018/19)



**TO:** Zone 3 Technical Advisory Committee  
**FROM:** Andrea M. Montes, MPA – Utilities Division Program Manager  
**DATE:** January 19, 2017  
**SUBJECT:** AT&T Proposed Cell Tower Site Lease Request

**Proposal**

AT&T (Applicant) is proposing to lease a cell tower site on San Luis Obispo County Flood Control and Water Conservation District (District) property within County Parks’ Lopez Recreation Area, off Upper Lopez Canyon Road (refer to attached Exhibits A through C for proposed site location and plans.) The Applicant proposes to access the cell site via a new gate off Upper Lopez Canyon Road, then approximately 2,000 feet northward on County Parks’ existing High Ridge Trail. The site itself would contain one (1) 60-foot mono pine; twelve (12) 8-foot high antennas; twenty-four (24) remote radio units; five (5) surge suppressors; two (2) 6-foot microwave dishes; one (1) emergency generator; and equipment cabinets.

Note the Lopez Recreation Area is operated pursuant to an Operating Agreement between the District and the County Parks Department. While the Operating Agreement specifies what the lessee (County Parks) can do on the property, it appears much less restrictive regarding the District’s activities. Never-the-less, given the Recreation Area’s importance to the south county community, staff has contacted County Parks and intends to include their comments and perspectives in any recommendation to the Board of Supervisors. County Parks has expressed concerns about the project’s potential interference with the use of the High Ridge Trail and attendant additional maintenance costs.

**Requested Action**

At this time, the Applicant needs the landowner’s (Board of Supervisors’) consent to file an application to begin the County Land Use Permit process. The Land Use Permit is processed by the County Department of Planning and Building, and will include public comment, staff and related advisory body review, California Environmental Quality Act (CEQA) review, and potentially a public hearing before a County Hearing Officer and/or the County Planning Commission. As the landowner, the Board of Supervisors will consider the recommendations of the Zone 3 Advisory Committee, members of the public, and County staff.

Public Works staff requests the Zone 3 Advisory Committee to consider AT&T's proposal and provide a recommendation related to support of Landowner Consent to file the necessary permit application.

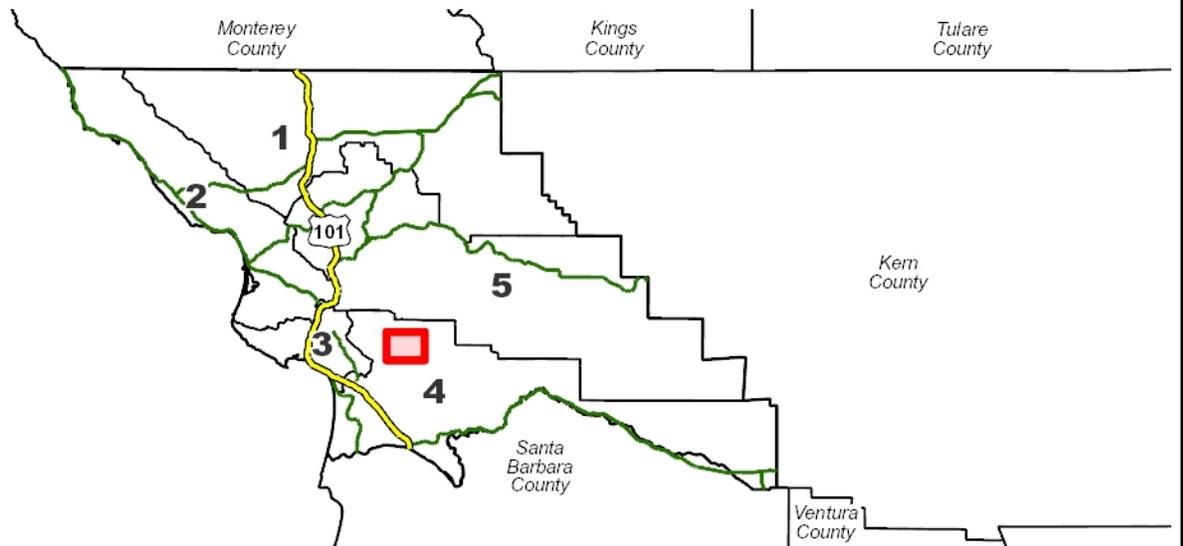
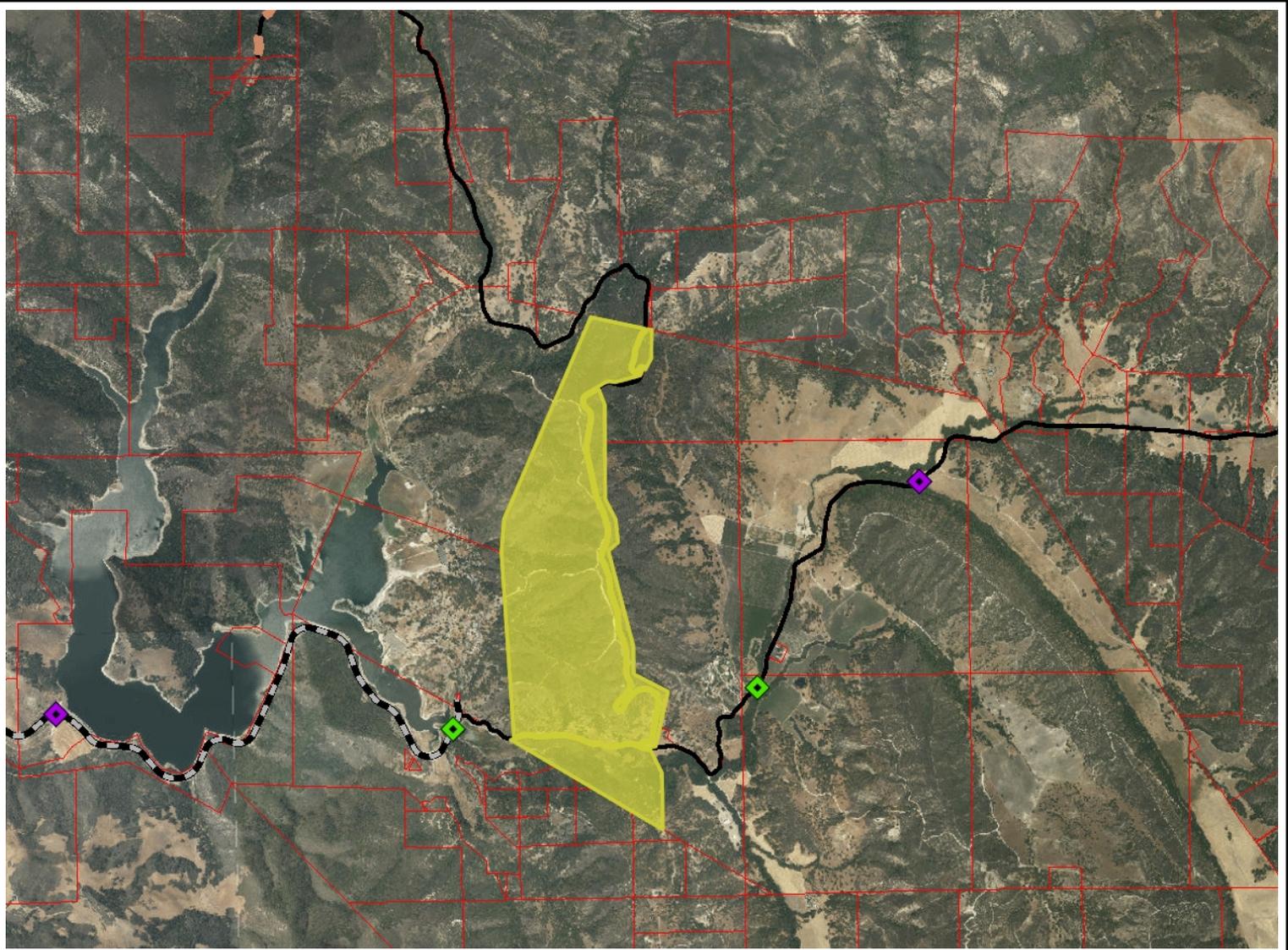
At the January 5, 2017 Zone 3 Technical Advisory Committee (TAC) meeting, staff informed the TAC of the Applicant's proposed cell tower site request and sought their formal advice in forwarding to the Board of Supervisors. The TAC recommended Landowner Consent to allow AT&T to move forward with the County Land Use Permit process and expressed interest in participating in the land use review.

### **Financial Considerations**

Revenue generated from the lease is estimated to be in the range of \$2,500 to \$3,000 per month. No determination as to the appropriate disposition of the lease payments has been made.

### **Next Steps**

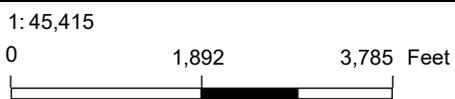
If Landowner Consent is supported, this item will return to the Advisory Committee in application format in order to identify any technical issues associated with the project.



VICINITY MAP

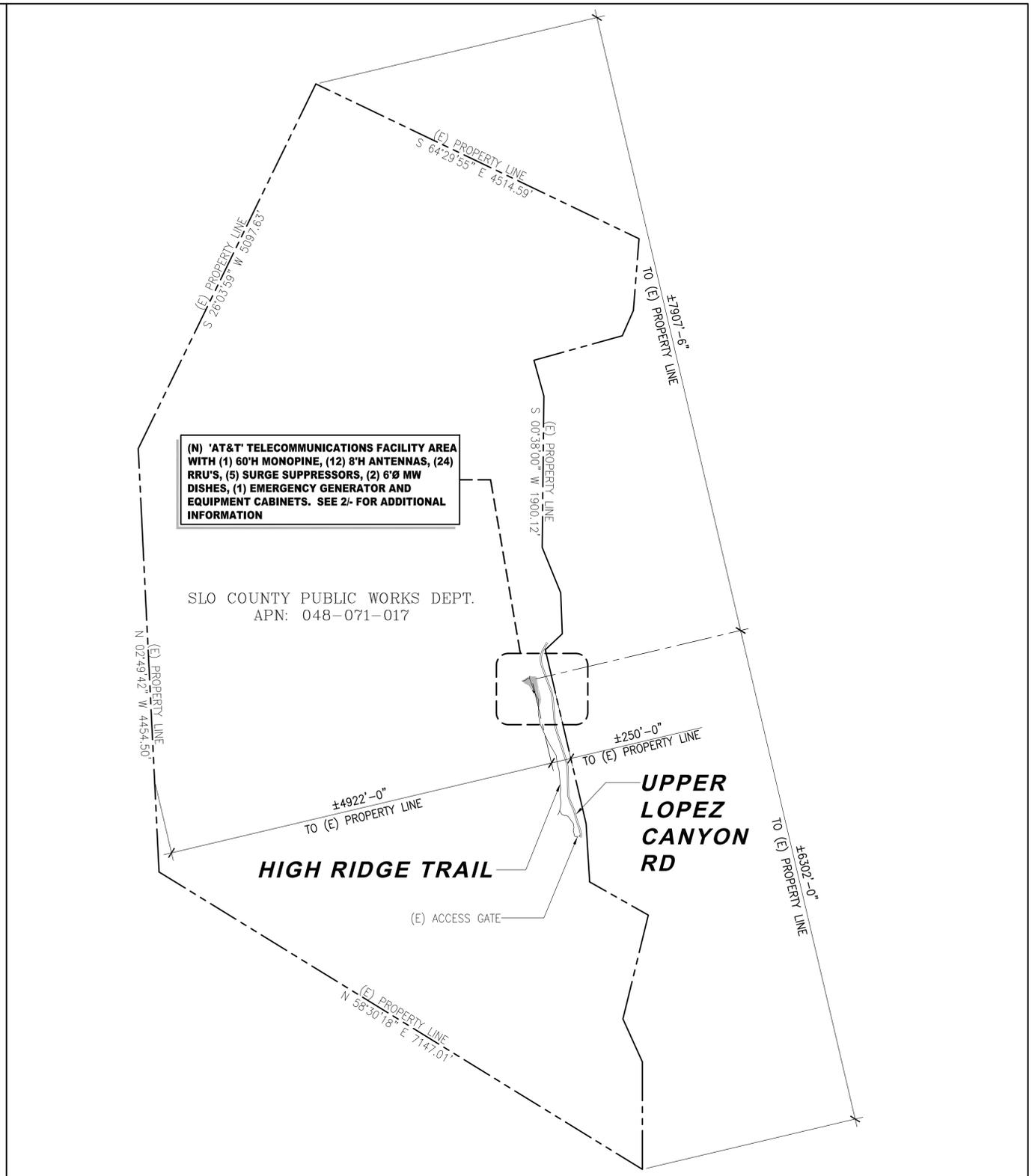
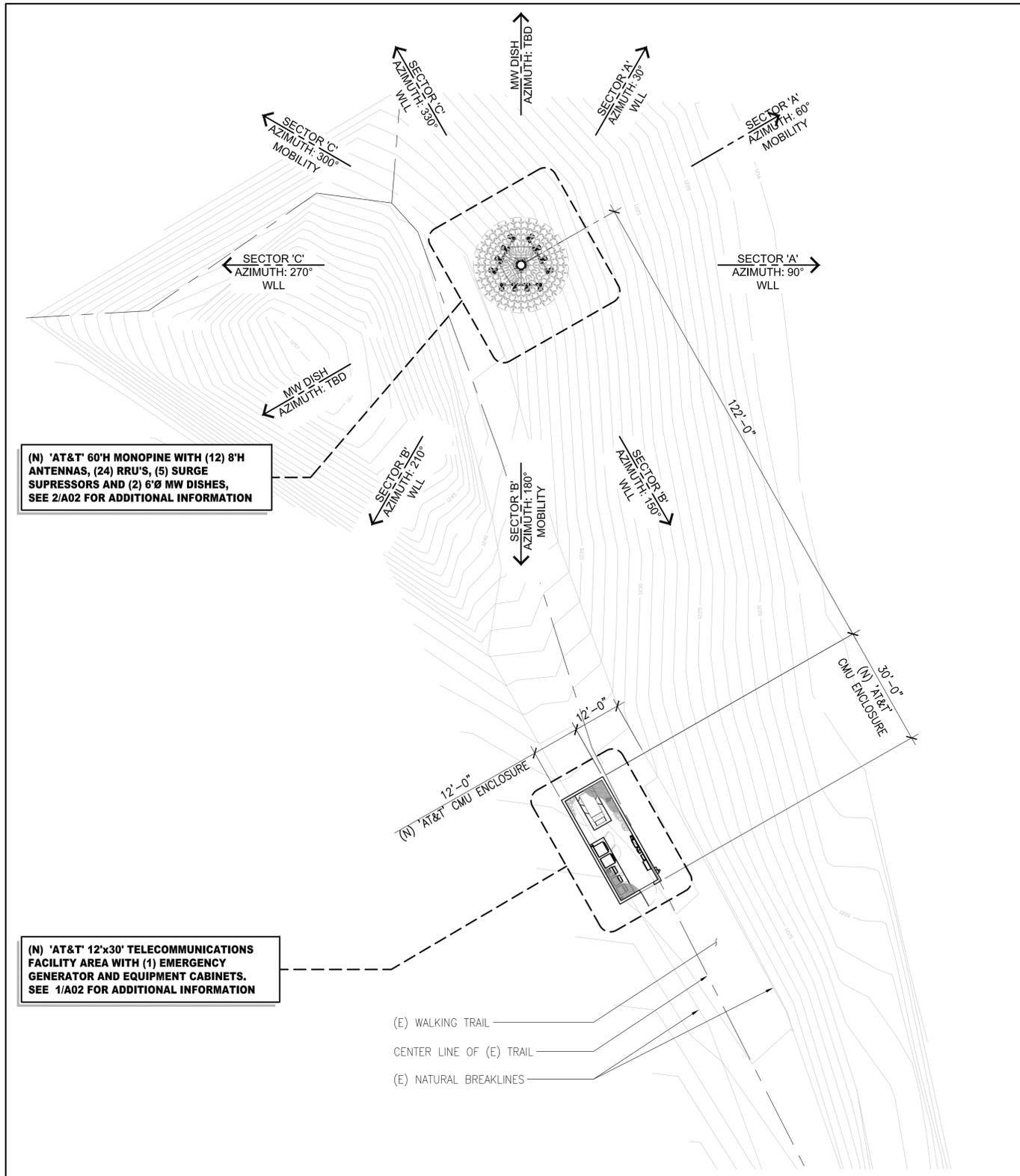
Project Name

COUNTY OF SAN LUIS OBISPO PUBLIC WORKS & TRANSPORTATION DEPARTMENT

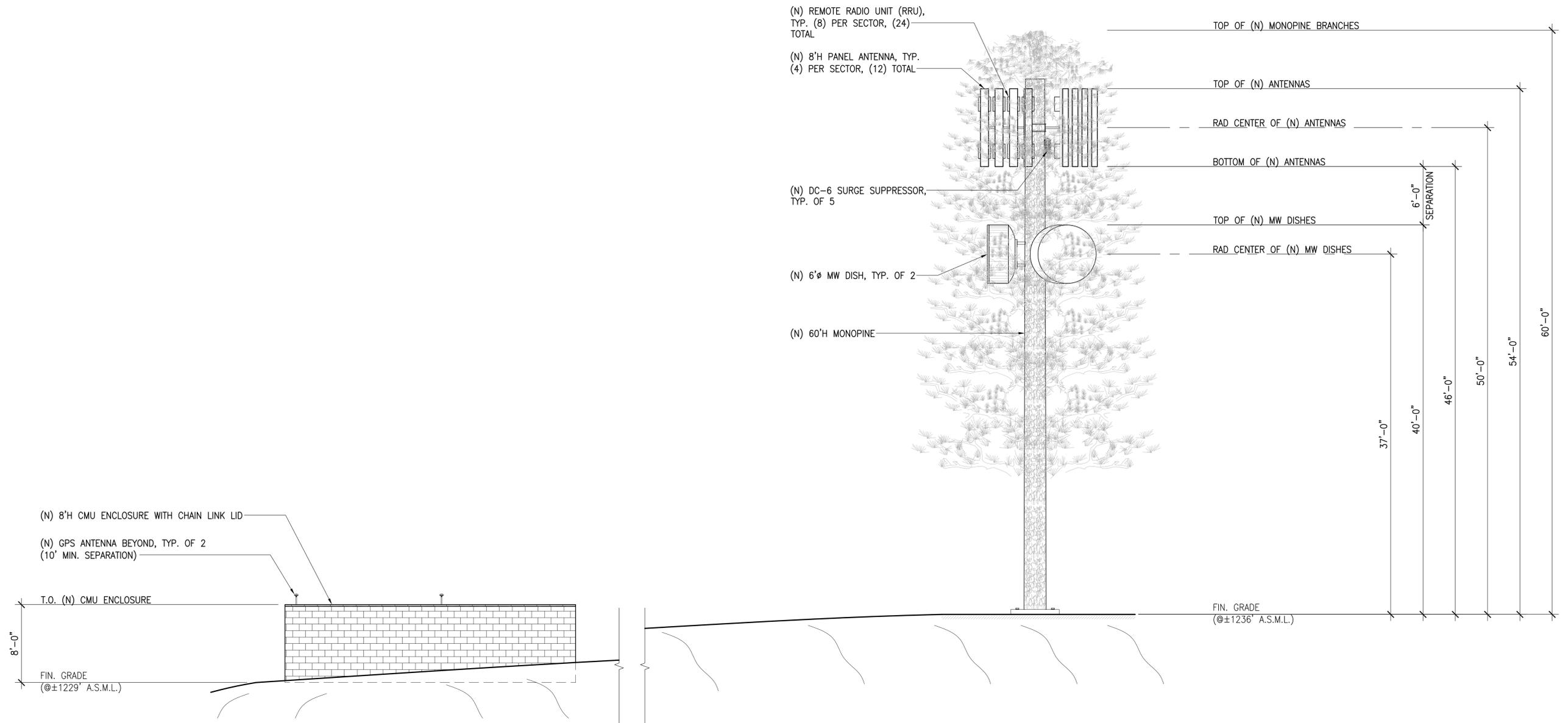


Created by: Staff  
Printed: 8/1/2016





ENLARGED SITE PLAN	SCALE: 1/8" = 1'-0" 0 2' 4' 8'	<b>2</b>	LOCATION PLAN / SITE PLAN	SCALE: 1" = 800'-0" 0 400' 800'	<b>1</b>																			
<b>DCI PACIFIC</b> A E C WORKS <small>ARCHITECTURE   ENGINEERING   CONSULTING 32 EXECUTIVE PARK   SUITE 110 IRVINE   CA 92614</small>	 151 KALMUS DRIVE, SUITE E220 COSTA MESA, CA 92626	CSL02811 PACE# MRLOS032201 FA# 13790078   USID# 173735  320 HIGH MOUNTAIN ROAD ARROYO GRANDE, CA 93420	 1452 EDINGER AVENUE, 3RD FLOOR TUSTIN, CA 92780	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS</th> <th>BY</th> <th>CHK</th> <th>APP'D</th> </tr> <tr> <td>A</td> <td>11/11/16</td> <td>ISSUED FOR ZD REVIEW AND COMMENT</td> <td>HT</td> <td>BOK</td> <td>DKD</td> </tr> <tr> <td colspan="6">SCALE AS SHOWN    DESIGNED    DRAWN</td> </tr> </table>	NO.	DATE	REVISIONS	BY	CHK	APP'D	A	11/11/16	ISSUED FOR ZD REVIEW AND COMMENT	HT	BOK	DKD	SCALE AS SHOWN    DESIGNED    DRAWN						SHEET TITLE <b>LOCATION PLAN / SITE PLAN &amp; ENLARGED SITE PLAN</b>	SHEET NUMBER <b>A01</b>
NO.	DATE	REVISIONS	BY	CHK	APP'D																			
A	11/11/16	ISSUED FOR ZD REVIEW AND COMMENT	HT	BOK	DKD																			
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EAST ELEVATION

SCALE: 3/16" = 1'-0" 0 1' 2' 5' 1

**DCI PACIFIC**  
A|E|C WORKS  
ARCHITECTURE | ENGINEERING | CONSULTING  
32 EXECUTIVE PARK | SUITE 110  
IRVINE | CA 92614

**VeloTera**  
SERVICES, Inc.  
151 KALMUS DRIVE, SUITE E220  
COSTA MESA, CA 92626

CSL02811  
PACE# MRLOS032201  
FA# 13790078 | USID# 173735  
320 HIGH MOUNTAIN ROAD  
ARROYO GRANDE, CA 93420

**at&t**  
Mobility  
1452 EDINGER AVENUE, 3RD FLOOR  
TUSTIN, CA 92780

NO.	DATE	REVISIONS	BY	CHK	APP'D
A	11/11/16	ISSUED FOR ZD REVIEW AND COMMENT	HT	BOK	DKD
SCALE		AS SHOWN	DESIGNED	DRAWN	

SHEET TITLE: **ELEVATION**  
SHEET NUMBER: **A04**