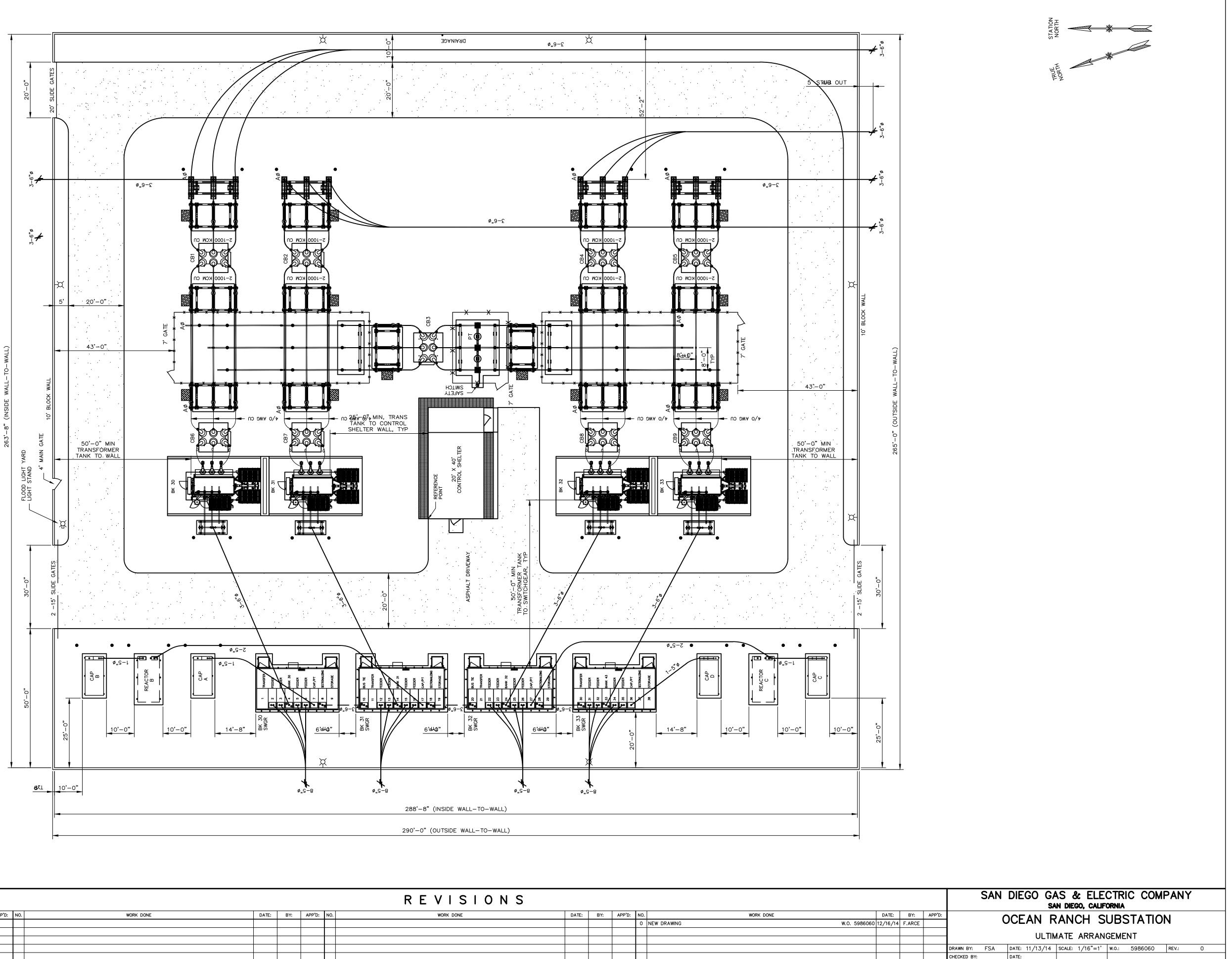
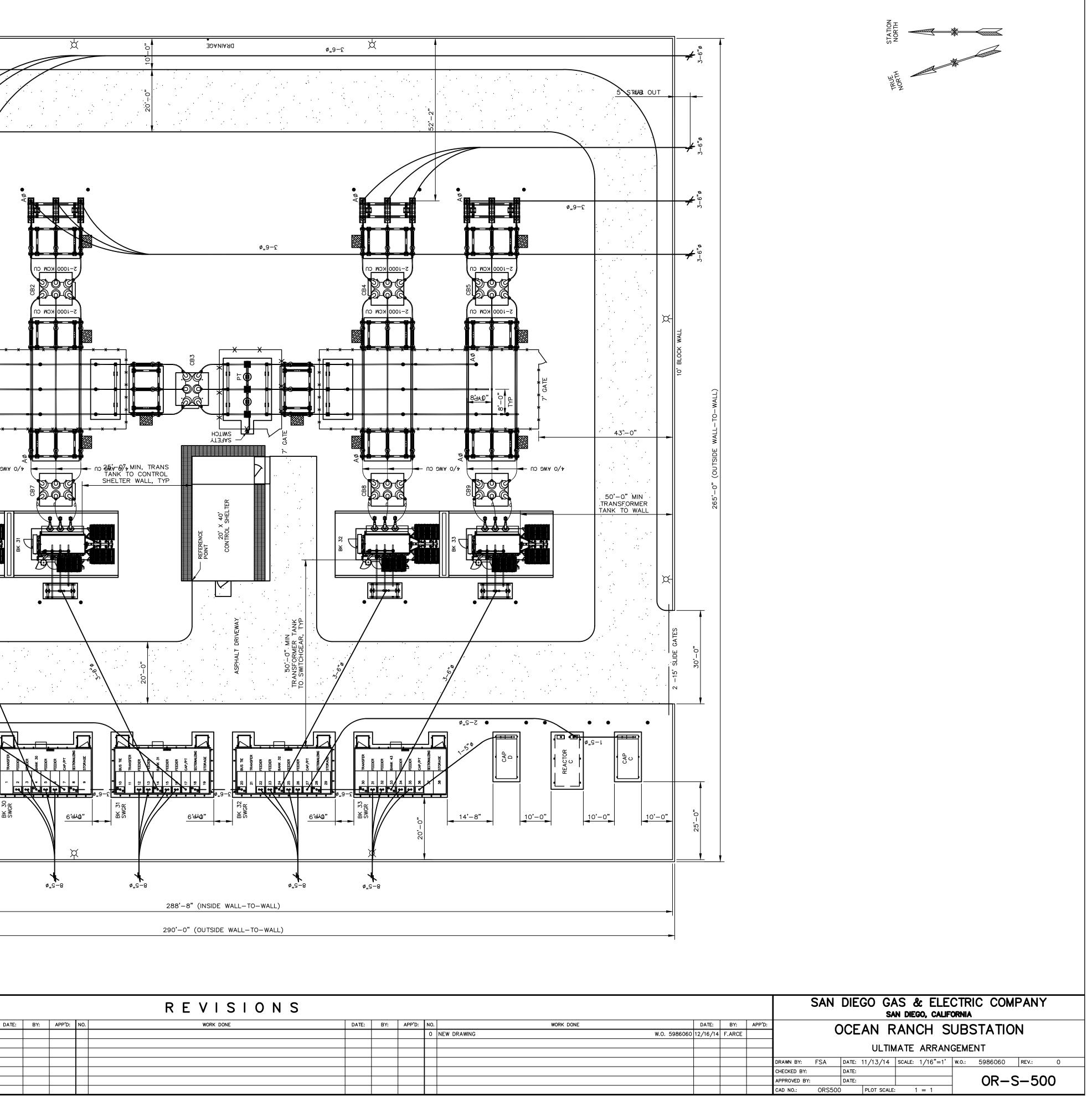


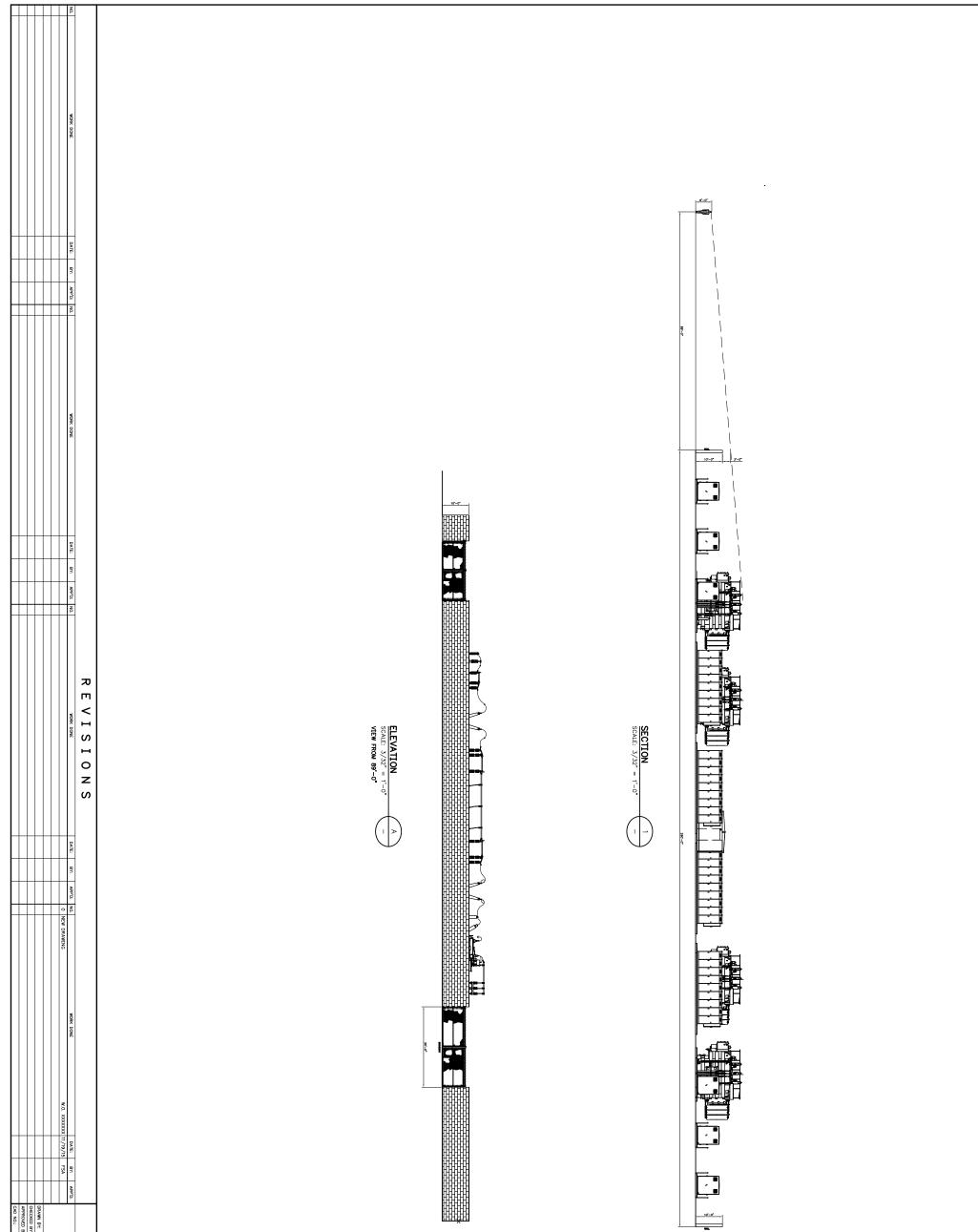
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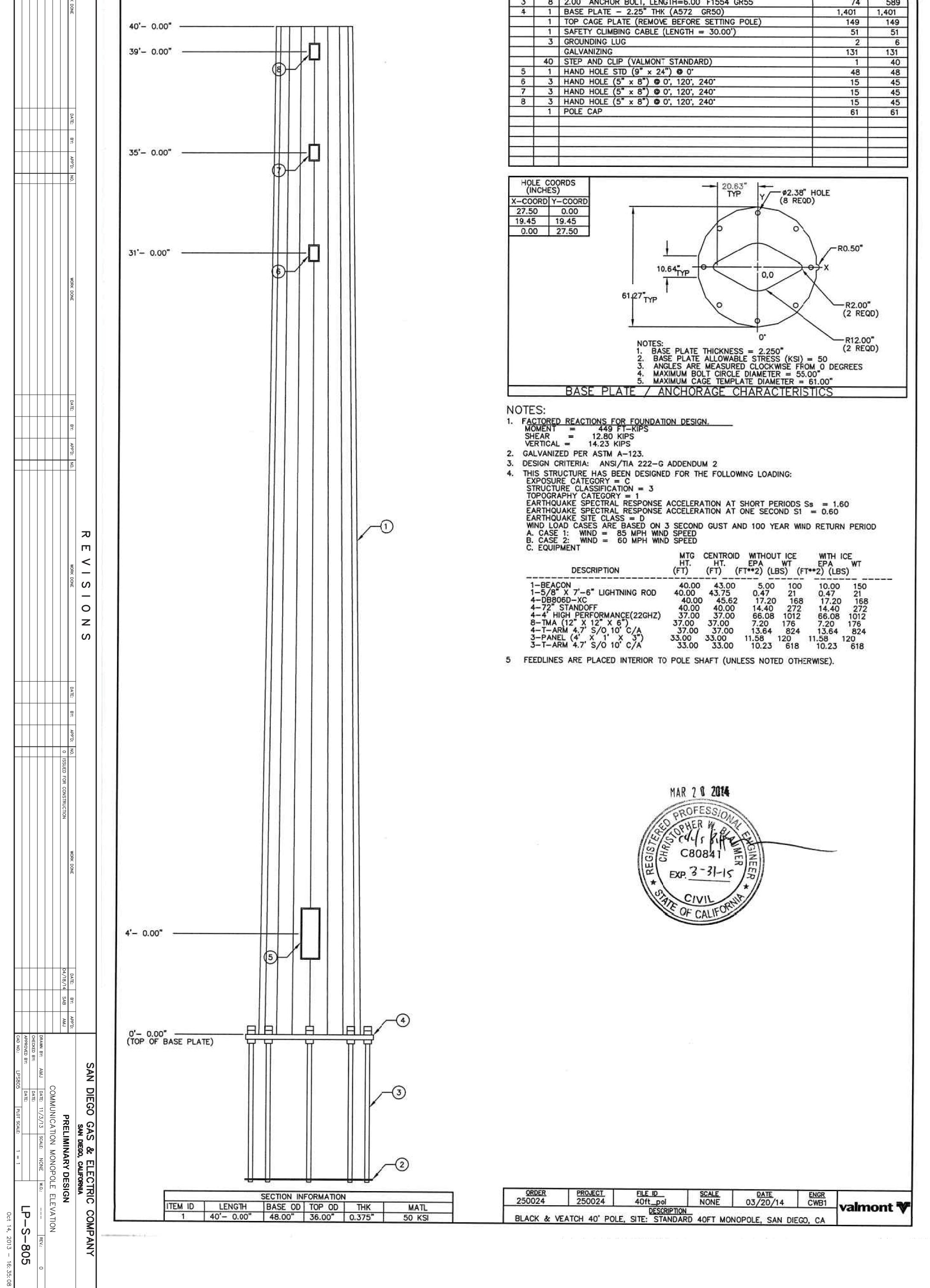


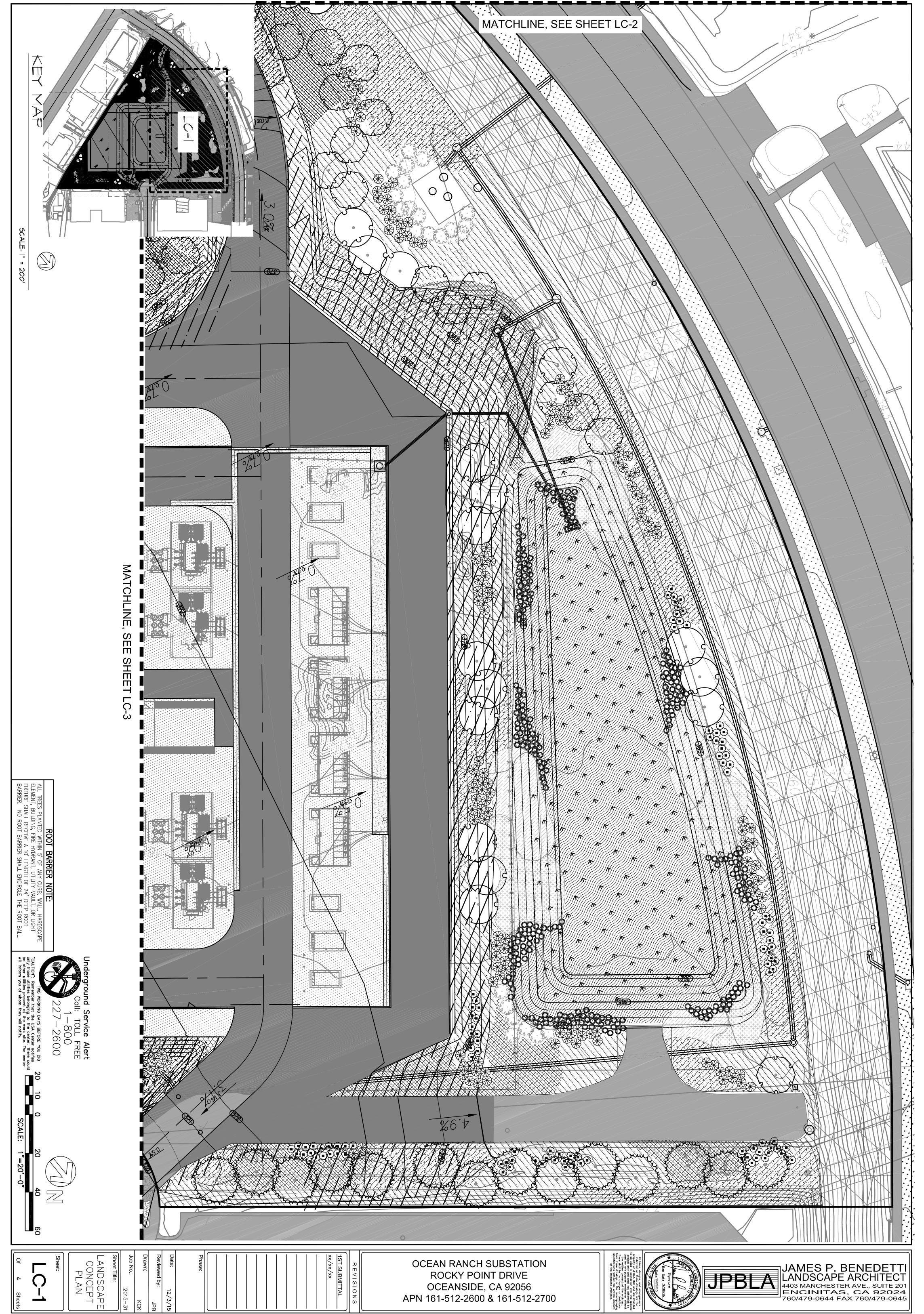


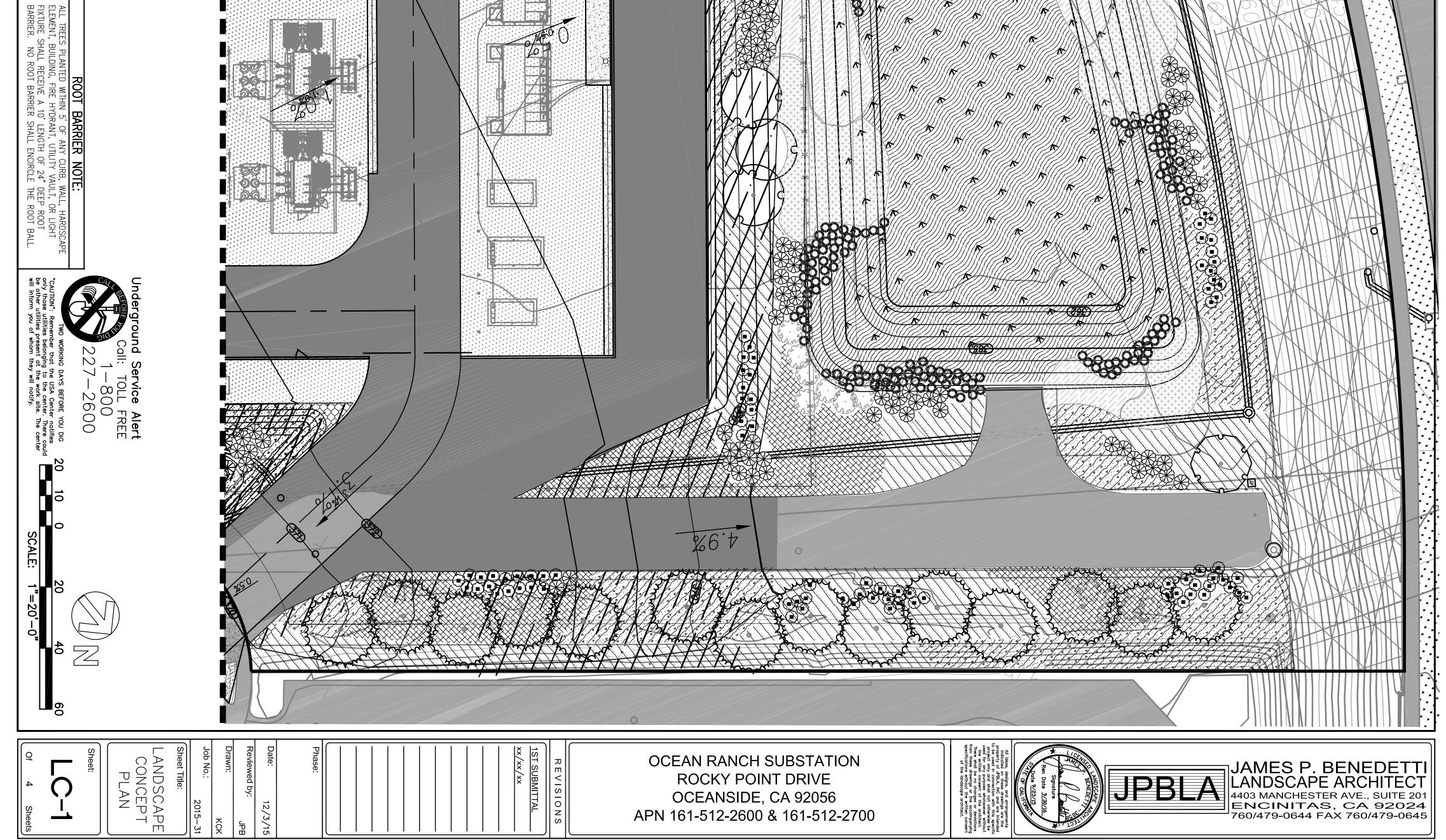
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	PLOT SCALE:	DATE	DATE:	DATE: 11/19/15 SCALE: 1/8"=1' W.O.:	OFIIMATE ANNANGEMENTE OONV LOW FROFILE	TWATE ADDAN	OCEAN NANCH SUBSTATION	
	1 = 1			XLE: 1/8"=1'	SEMENI-		UNCH O	
				W.O.:	V A K C			0
Nov 19,		SKET		XXXXXXX				
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58:17)				

SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA OCEAN RANCH SUBSTATION

ID RE	O. EQD	FEATURES	UNIT WEIGHT(LBS)	WEIGHT (LBS)
4	1	SECTION A - 0.375" THK (GR50)	6,743	6,743
2	1	BOTTOM CAGE PLATE	115	115
3	8	2.00" ANCHOR BOLT, LENGTH=6.00' F1554 GR55	74	589
4	1	BASE PLATE - 2.25" THK (A572 GR50)	1,401	1,401
	1	TOP CAGE PLATE (REMOVE BEFORE SETTING POLE)	149	149
	1	SAFETY CLIMBING CABLE (LENGTH = 30.00')	51	51
	3	GROUNDING LUG	2	
		GALVANIZING	131	131
	40	STEP AND CLIP (VALMONT STANDARD)	1	40
5	1.	HAND HOLE STD (9" x 24") @ 0"	48	48
6	3	HAND HOLE (5" x 8") @ 0', 120', 240'	15	45
7	3	HAND HOLE (5" x 8") @ 0", 120", 240"	15	4
8	3	HAND HOLE (5" x 8") @ 0", 120", 240"	15	45
	1	POLE CAP	61	61
(INC) (-COORI 27.50 19.45			HOLE D)	
0.00	_	7.50		
		10.64 [*] _{TYP} 0 0,0 61,27 [*] _{TYP}	€¥x X	
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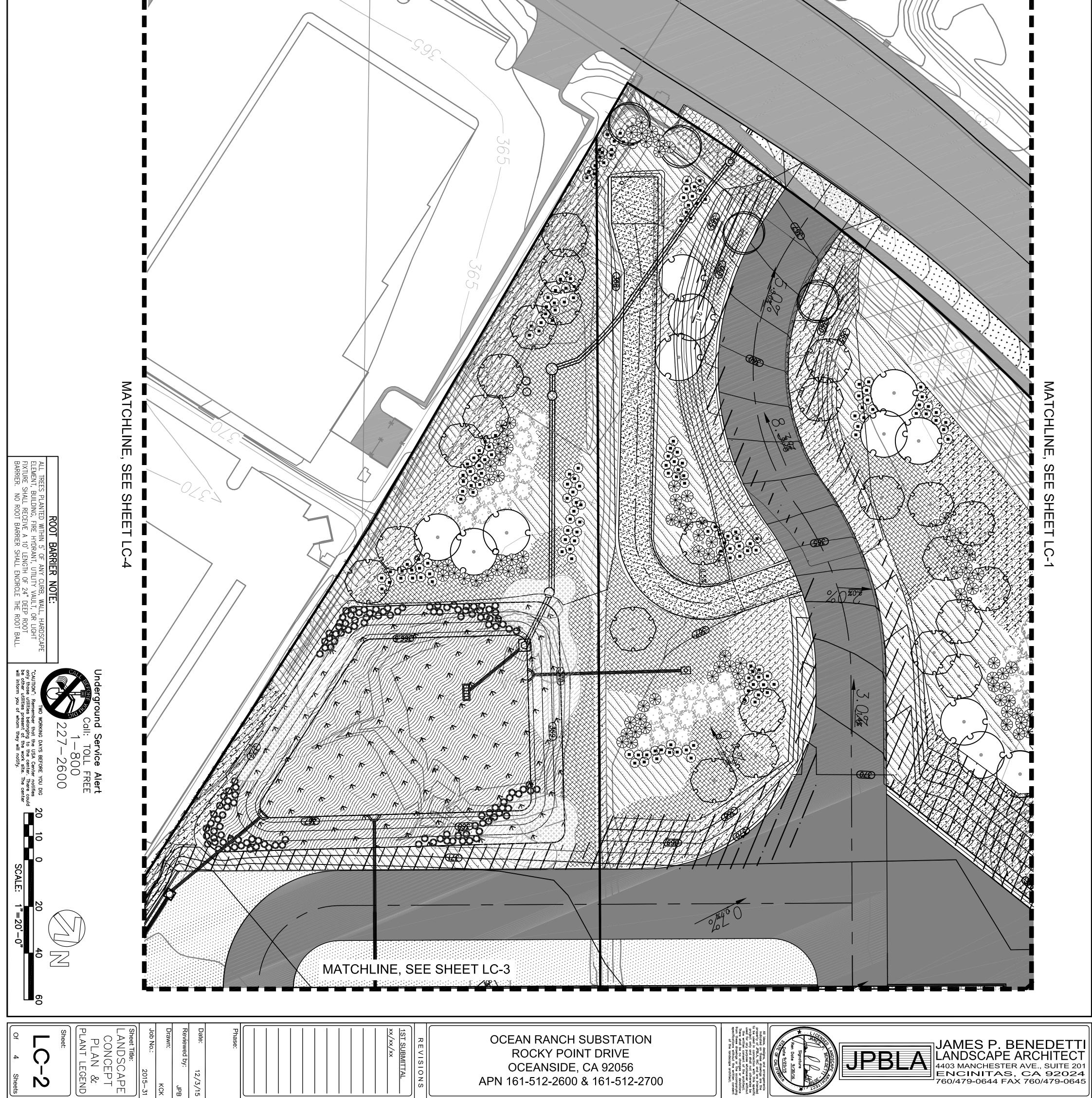


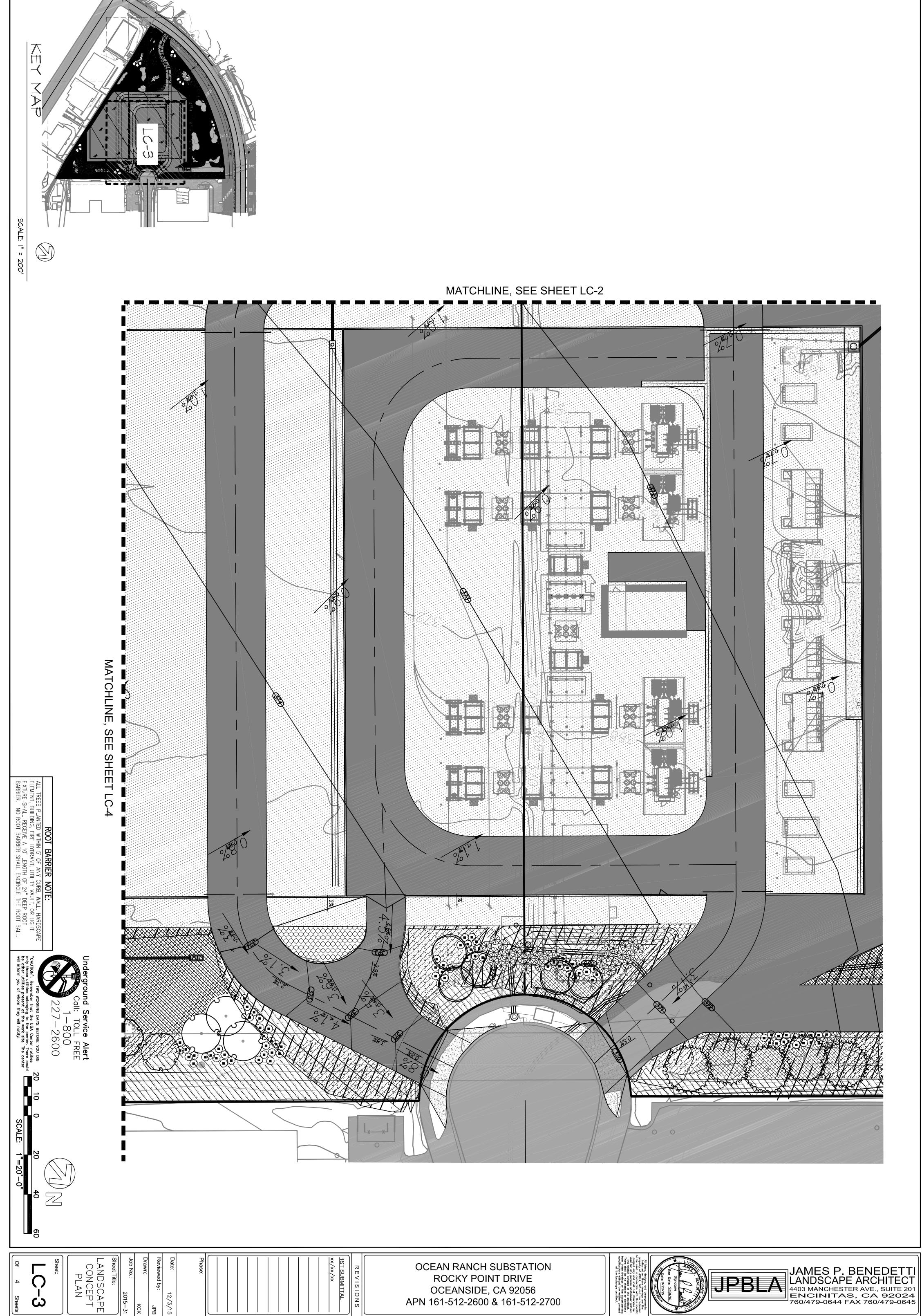






						GROUND COVERS			ORNAMENTAL_GRASSE	ORNAMENTAL GRASSE	8		SHRUBS	and the second s			REES	PLANT SCHED
	ଷ ୪୮	307 SI	182 S	214 SF	289 S	ХIQ	00	14	NIG S	404	287	440	91 710	14	30	4 9	° P	ULE
	SENECIO MANDRALISCAE	SF ROSMARINUS OFFICINALIS 'PROSTRATUS'	F CEANOTHUS X 'YANKEE POINT'	F CAREX TUMULICOLA	F BACCHARIS PILULARIS 'PIGEON POINT'	BOTANICAL NAME	MUHLENBERGIA RIGENS	JUNCUS PATENS	BOTANICAL NAME	Botanical name Lomandra Longifolia 'Breeze'	XYLOSMA CONGESTUM 'COMPACTA'	RHAPHIOLEPIS INDICA 'BALLERINA'	Botanical name. Heteromeles arbutifolia	RHUS LANCEA	PRUNUS ILICIFOLIA	GEIJERA PARVIFLORA	BOTANICAL NAME. Arritis X 'Marina'	
SCALE: " = 200'	BLUE FINGER	DWARF ROSEMARY	MLD LILAC	BERKELEY SEDGE	COYOTE BRUSH	COMMON NAME	DEER GRASS	CALIFORNIA GRAY RUSH	COMMON_NAME	<u>Common name</u> Dwarf mat rush	COMPACT XYLOSMA	BALLERINA INDIAN HAWTHORN	COMMON NAME. TOYON	AFRICAN SUMAC MULTI-TRUNK	HOLLY LEAF CHERRY	AUSTRALIAN WILLOW	<u>Common NAME</u> ARBUTUS STANDARD	
	1 GAL	1 GAL	1 GAL	1 GAL	1 GAL	SIZE	1 GAL	1 GAL	SIZE	<u>size</u> 1 gal	5 GAL	5 GAL	SIZE 5 Gal	24"BOX	15 GAL	15 GAL	SIZE 24"BOX	1
	36 [°] o.c.	36 [°] o.c.	48" o.c.	36 [°] o.c.	36 [°] o.c.	SPACING	36 ^{°°} o.c.	24" o.c.	SPACING									





OCEANSIDE, CA 92056 APN 161-512-2600 & 161-512-2700

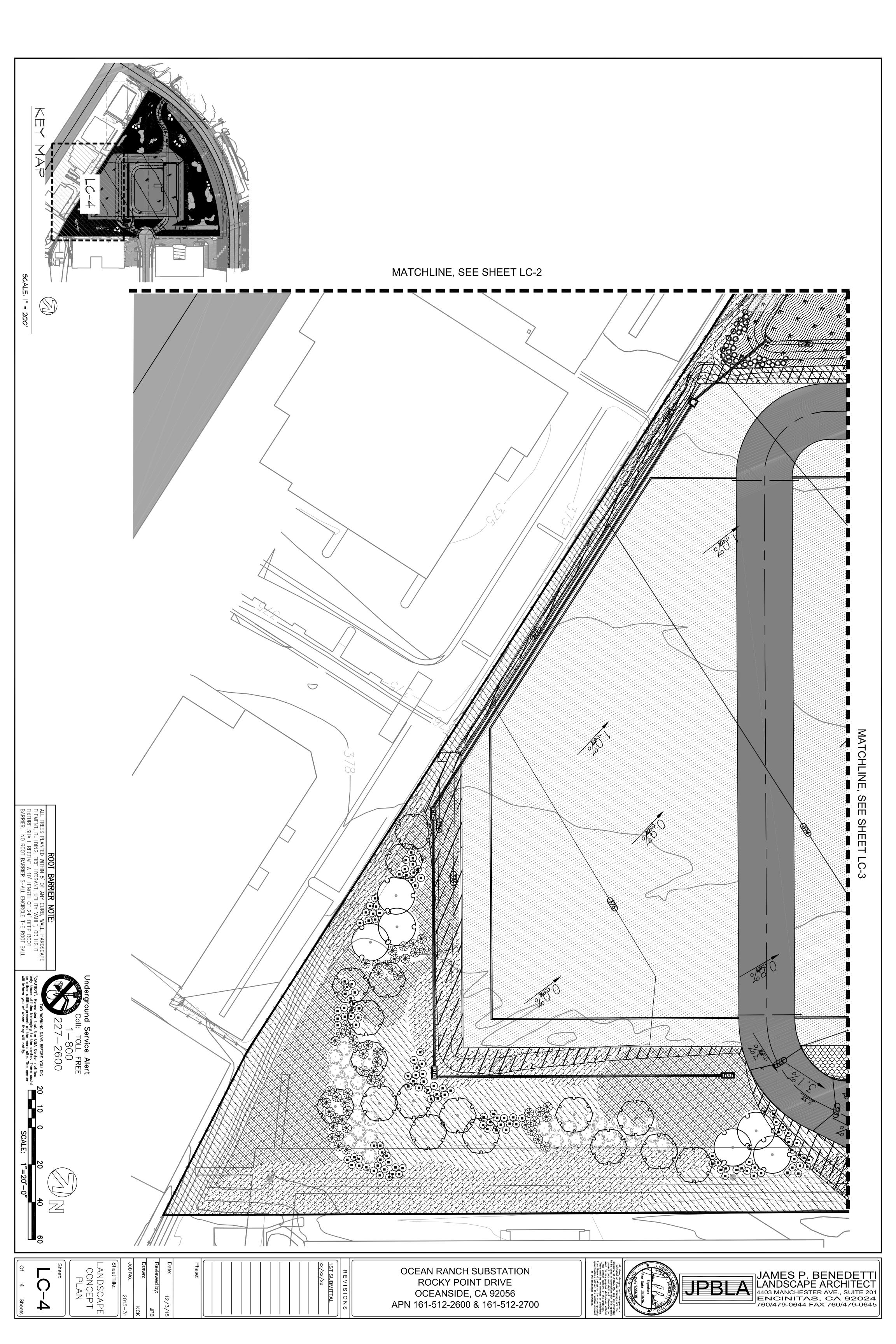
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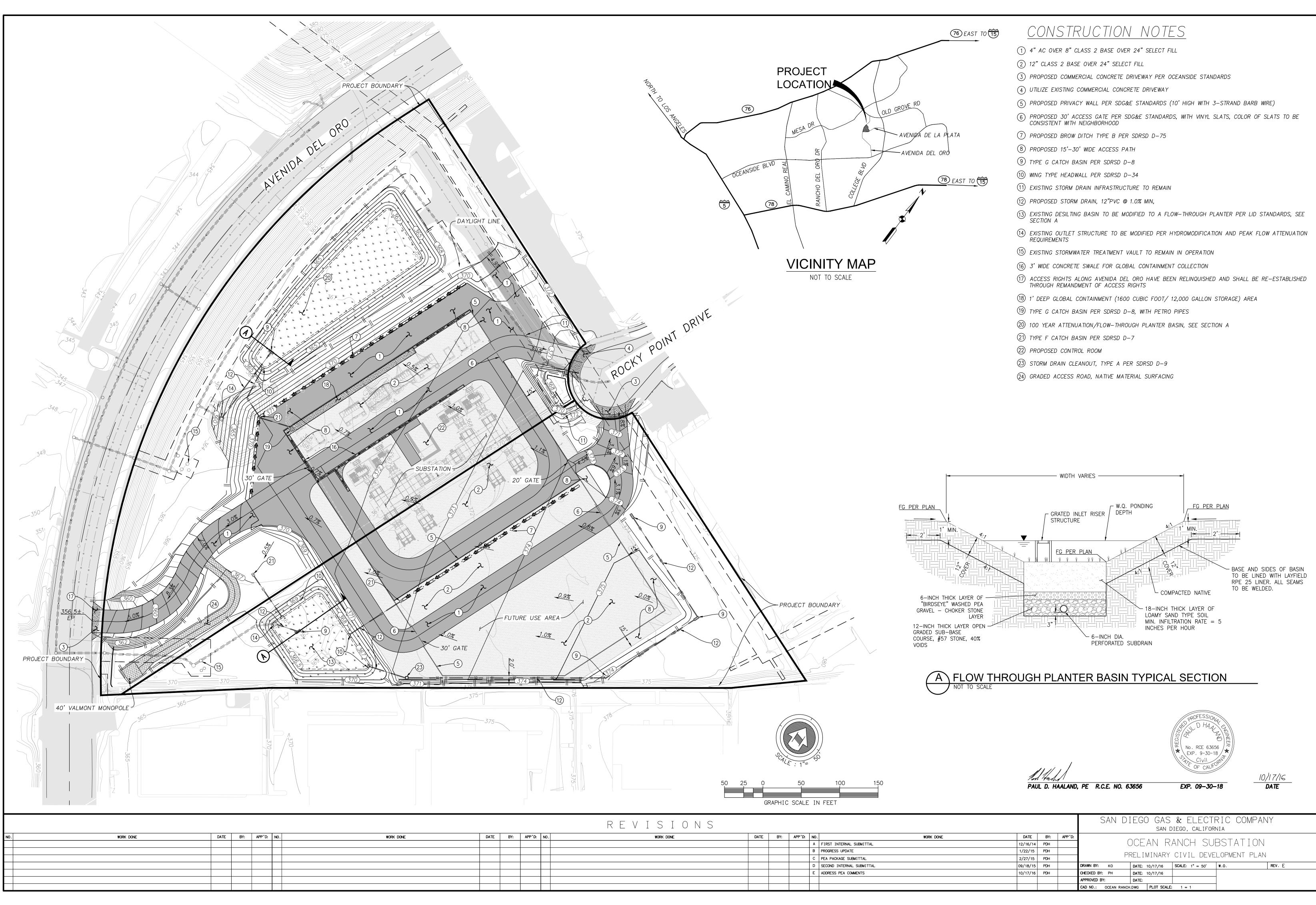
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			SAN DIEGO, CALIFORNIA									
IORK DONE	DATE	BY:	APP'D:		(
	12/16/14	PDH			(JCE	AN R/	anch Sui	BSTATION			
	1/22/15	PDH				יד ושכ			LOPMENT PLAN			
	2/27/15	PDH					VIINARI	CIVIL DEVE	LUFMEINT FLAN			
	09/18/15	PDH		DRAWN BY:	к0	DATE:	10/17/16	SCALE: 1" = 50'	W.O.	REV. E		
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										,		

ESP – 113.1 (Revised)

Electric Standard Practice – 113.1 SDG&E Operations and Maintenance Wildland Fire Prevention Plan

Electric Distribution Engineering has published this standard with revisions and additions made by the SDG&E Fire Program Manager.

Changes and Additions highlighted in **YELLOW**

If you have any questions regarding this Standard Practice, please contact:

Hal Mortier at (858) 654-8683 or HMortier@semprautilities.com



	SDGE		No.
A & S	empra Ene	rgy utility ELECTRIC STANDARD PRACTICE	Page 1 of 15
DEPARTME		DIVISION	EFFECTIVE DATE
	<u>IS. & D</u>	ISTRIB. ENGINEERING DISTRIBUTION ENGINEERING	JULY 26, 2016
	IERAL	PRACTICES	
SUBJECT		ERATIONS AND MAINTENANCE WILDLAND FIRE PREVENTION	Ν ΡΙ ΔΝ
1.0	PURPO	SE	
	1.1	Southern California presents a dangerous natural wildland fuel scenario potential. The period for active fire conditions can exist all year long de and other dynamic weather factors. The fall months and at times exten historically host the region's largest fires. Extended dry periods can bri critical fire conditions essentially any time of the year. SDG&E facilities can present a potential wildland fire ignition risk which must be minimiz possible. In the event a fire occurs, we must also be equipped to supp potentially preventing a major fire. Most importantly, we must provide t necessary to keep our employees safe while working in the wildland are system Operations & Maintenance work and can be used for low comp when additional mitigation is not required (see 4.7 SDG&E PROJECT S The intent of this document is to formalize procedures and routine prace Assist SDG&E employees in their understanding of fire prevention	pending on rainfall totals ding into early winter ng us into or back into a, equipment, and activities ed to the extent reasonably ress small fires, thus he resources and training eas. This plan is for all lexity Construction projects SPECIFIC FIRE PLANS). tices that will: and to improve their ability
		to prevent the start of any fire. The emphasis will be on wildland fi critical times of the year when the fire risk is high.	
	<mark>1.1.2</mark>	Set standards for fire tools and equipment to be present in vehicle will assist with rapid response to small fires in the event one shou	
	1.1.3	Incorporate State, Federal, and local requirements into our standa provide compliance with rules and regulations on a daily basis no place. This would include, but not be limited to: pertinent laws, Fo Regulations, and "Special Use Permit" or "Right of Way" fire relate	matter where work is taking rest Standard Practice
	1.1.4	Define or reference restrictions mandated by "Red Flag Warnings" other unique fire danger scenarios. Provide the means for determ are in effect, what activities they prohibit, the precise locations to v the notification procedures for all affected employees and contract	ining when these restrictions which they apply; and identify
	<mark>1.1.5</mark>	Ensure that our employees and contractors have positive commu and initiating assistance. Dialing 911 is the primary means for	
	1.1.6	Discuss procedure to identify when a Construction project specific the process for developing the document.	
	1.1.7	Share some common sense practices, with regards to fire safety, t activities to reduce the risk of fires and to prevent injury to employe	
	1.1.8	Introduce and require the use of the "Fire Potential Index" to detern risk mitigation measures are advised or required.	mine when additional fire
2.0	APPLIC	ABILITY	

2.1 This applies to SDG&E field personnel who will work in the wildland areas of the service territory. This also includes Distribution and Transmission operating personnel who will be involved with field personnel in regards to safety, system reliability and/or restoration. Contractors performing work for SDG&E will be expected to comply with this Standard Practice as it relates to their activities.

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No. Page 2 of 15

DEPARTM			DIVISION		EFFECTIVE DATE		
	<u>NS. & D</u>	ISTRIB. ENGINEERING	DISTRIBUT	ION ENGINEERING	JULY 26, 2016		
SECTION GEN SUBJECT		PRACTICES					
		ERATIONS AND MAINTEN	NANCE WILD	LAND FIRE PREVENT	ION PLAN		
3.0	DEFINI	TIONS					
	3.1	"At Risk" Activities: Activiti	es that present	t a risk of igniting a wildfire			
	3.2	Wildland Areas: This term refuels available for ignition.	efers to any ar	ea within the SDG&E servi	ce territory that has wildland		
3.3 Fire Threat Zone (FTZ): This is a CALFIRE developed rating of wildland threat based on a combination of potential fire behavior (fuel rank) and expected fire frequency. SDG&E has established practices within the FTZ on how SDG&E constructs facilities and also determines certain construction practices to be used within the FTZ. See attachment 1.							
3.4 SDG&E High Risk Fire Areas (HRFA): This area will be an assortment of GIS polygons t represent the zones of greatest concern within the SDG&E service territory, blending fuels, topography, wind, and system information. (The areas can change annually and the map v labeled with the appropriate year, "SDG&E 20XX Highest Risk Fire Area" and is always a s the Fire Threat Zone). The HRFA helps to determine how SDG&E operates the electric sy a function of weather conditions. See attachment 1.							
	3.5	Fire Season: Fire season is California is considered to be patterns as fire conditions mo fire activity.	in fire season	on a yearlong basis. CAL	FIRE adjusts its staffing		
	3.6	Fire Potential Index (FPI) (1 for making operation & main environmental, statistical, and threat. The index is generate areas within the service territ FPI is used for work activities (Normal, Elevated, or Extrem	tenance decisi d scientific data d for a seven c ory. The 7-day s. The FPI is u	ons related to fire preventi a into an easily understood lay forecast period for an a y forecast is used for plann sed to determine the fire p	on. The tool converts I forecast of short-term fire assortment of geographic hing purposes while the daily		
	3.6.1	activities can take place mitigation, as long as ba	in the wildland seline fire equ ent requirement	nts meet or exceed all loc	tory without additional risk escribed in this plan. Note:		
	3.6.2	orange. Certain "at risk'	'O&M activitie	s (as identified in the matri	en the FPI is either yellow or x, attachment 2) will require nent 2) to perform those work		
3.6.3 Extreme Fire Potential (15-17): It is considered "Extreme" when the FPI is red. No "at risl activities should be conducted except for those activities which if, left undone present a greater risk than that involved with their accomplishment. Consultation with the On-duty Fire Coordinator is required to help make that determination and identify additional mitigation required to reduce risk.							
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ELECTRIC STANDARD PRACTICE

No.

Sempra Ener	rgy utility	ELECT	RIC STANDARD PRACTICE	Page 3 of 15			
	ISTRIB. ENGINE		DIVISION DISTRIBUTION ENGINEERING	EFFECTIVE DATE JULY 26, 2016			
ECTION	ISTRID. ENGINE		DISTRIBUTION ENGINEERING	JULT 20, 2010			
GENERAL F	PRACTICES						
	ERATIONS AND	MAINTE	NANCE WILDLAND FIRE PREVENT	TION PLAN			
			The National Weather Service will declar ne following criteria:	re a RFW when conditions are			
3.7.1	frequent gus (based on w	ts equal to nd/relative	% or less with sustained winds equal to o or greater than 35 mph for a period of 6 h humidity) will be considered "Extreme" o period and have the same restrictions des	hrs or more. This RFW perating condition regardless			
3.7.2	significantly inland and m Meteorology	wet fuels th ountain zo and Fire C	htning event that is not accompanied by on that have been identified as critically dry. ones. This RFW (based only on dry lightr coordination to determine the appropriate ns, and Grid and Dist. Ops. will notify fiel	This is common within the ning) will be assessed by operating condition related to			
	only applies to wo	ork within th er's respor	-): This term is specific to the Cleveland ne boundaries of the CNF. When conduct nsibility to know the PAL level and adhere asures.	cting work on the CNF it is			
3.9	Fire Tools:						
3.9.1	Shovel: star	dard round	d point shovel with overall length of at lea	ist 46".			
3.9.2	Pulaski: an	axe-like fire	e hand tool used for cutting, chopping or	grubbing.			
3.9.3	McLeod: a f	re hand to	ol used for raking and scraping.				
3.9.4	extinguishing	g Class A (portable 5 gallon water pack with hose ar common combustibles) fires and primarily s or stainless steel canisters.				
3.9.5	equipment w	hen neces	d in a staging area or worksite to supplen sary due to excessive work activity. It ge pack pumps as deemed appropriate.				
	activities or stagir sites are typically	ig of resou large in siz	ea: It will be considered a major operation rces will be concentrated in and out of a second include but are not limited to const are and include but are not limited to const are area where construction work will be c	staging facility. These work truction yards, fly yards,			
3.11	Fire Patrol:						
3.11.1	accountabilit	y for fire pr	ol" is a member of a work crew assigned revention, risk mitigation, early detection one occur. This can be accomplished co	of fires, and rapid			
3.11.2			I" is a person(s) assigned the responsibili on, early detection of fires, and rapid exti uty while serving as a dedicated Fire Pat	inguishment should one occur.			

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A 🔏 Sempra Ene	ELECT	RIC STANDARD PRAC	TICE	Page 4 of 15			
DEPARTMENT	ISTRIB. ENGINEERING	DIVISION DISTRIBUTION ENGIN		^{E DATE} 26, 2016			
SECTION	PRACTICES			2012010			
SUBJECT TITLE				N			
SDG&E OP	PERATIONS AND MAINTE	NANCE WILDLAND FIRE	PREVENTION PLA				
3.12	SDG&E Fire Coordinator (emergency service agencies incidents. The FC will help t and represent the utility nee	for the utilities for everyday he emergency service agen	operations as well as e	emergency			
3.13 SDG&E Incident Commander (IC): SDG&E will follow Incident Command System protocols emergency incidents. SDG&E will positively identify a single point of contact for all SDG&E resources (people and equipment) on any emergency incident. The appropriate line authority identify who the SDG&E IC will be on moderate or complex incidents. "First- in" supervisor w generally be the IC on low complexity incidents. The IC will coordinate SDG&E activities with overall Incident Commander, usually a jurisdictional fire chief.							
3.14	Operations & Maintenance SDG&E facilities.	(O&M): O&M refers to pos	t construction care and	maintenance of			
4.0 <u>PROCE</u>	EDURE						
4.1	General: SDG&E personne fire risk and exposure involv equipment;						
4.1.1	be assessed with regar that pose risk and can I appropriate mitigation r	c activities taking place in th d to fire risk during standard be excluded will be. Those the neasures to reduce the risk ated the following steps will	safety tailboard session nat cannot be eliminate where possible, and in t	ns. Those activities d will incorporate			
4.1.2	earliest stages by assig as well as training all pe	Detection: SDG&E enhance ning designated (co-lateral or ersonnel to establish good si ne" operating conditions.	duty) and dedicated Fire	e Patrols (sole duty)			
4.1.3		prescribed fire tools and equ ly available for rapid extingu					
4.2	Tools & Equipment: When and equipment are required work is in a wildland area ou does not apply to transient to items will meet the California Making this equipment avail mandated by the wildland fir Some additional project spec	as a minimum and will be c tside the FTZ it is recommen affic driving on primary roac Forest Practice Rules; Pub able at your work sites will a e agencies within the compa	arried on the vehicles and anded you use these sar beds through the wildl lic Resource Code Divi so meet the majority of any service territory.	as described. If me standards. This and areas. These sion 4, Chapter 6. f the requirements			
	discussed in the following se 50' from the vehicle locati vehicle and staged at the	ction of this plan. Please no on, the mandated equipme	ote that if your work p	roject is over			
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A 🔗 Sempra Energy ut	ELECTI	RIC STANDARD PRACTICE	Page 5 of 15
DEPARTMENT		DIVISION	EFFECTIVE DATE
TRANS. & DIST	RIB. ENGINEERING	DISTRIBUTION ENGINEERING	JULY 26, 2016
GENERAL PRA	CTICES		
	TIONS AND MAINTER	NANCE WILDLAND FIRE PREVENTIC	N PLAN
4.2.1	Passenger Vehicles (pe	rforming work in the wildland areas):	
4.2.1.1	1 round point shove	el with overall length of at least 46"	
4.2.1.2	extinguisher label (xtinguisher, minimum U.L. rated "2 BC"; rat a "2" rated extinguisher will put out approx dicates it will work on flammable liquids and	. 2 sq. ft. of combustible
4.2.2	Trucks & 4 Wheel Drive	Vehicles;	
4.2.2.1	1 round point shove	el with overall length of at least 46"	
4.2.2.2	1 Pulaski		
4.2.2.3	1 (5) gallon backpa	ck pump	
4.2.3	Heavy Machinery or Equ tractors, etc.);	uipment (including tub grinders, whole tree	chippers, drilling rigs,
4.2.3.1	1 round point shove	el with overall length of at least 46"	
4.2.3.2	1 Pulaski		
4.2.3.3	1 (5) gallon backpa	ck pump	
4.2.4	Chain Saw Use;		
4.2.4.1	1 shovel within 25 f	eet of the chainsaw operation with unrestri	cted access to the tool.
4.2.4.2	1 serviceable UL ra	ated 2BC fire extinguisher in their immediat	e possession.
4.2.5	area a Fire Box or equiv	Area (When vehicle equipment does not m alent should be located on site and be acc total tools to outfit number of personnel on	essible to all personnel and
4.2.5.1	1 (5) gallon backpa	ck pump	
4.2.5.2	2 Pulaskis		
4.2.5.3	2 McLeod fire tools		
4.2.5.4	Round point shove	ls 46" (enough to outfit remaining personne	el)
with pre sim wor fire Nor 4.2 the ord <i>acti</i>	a specific work activity wention measures require ply by having the require k site. Some activities inv potential is determined by mal Fire Potential. Und suffice, except for specific yellow/orange range and er to proceed with the work	ities can be done daily viceable, and proximate to mitigation measures. The the FPI is considered requirements from section ential is when the FPI is in onal mitigation measures in sponsible for the work ay's activities. This can be	

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A 🧭 Sempra Energy utility	ELECTRIC	STANDARD PRACTICE	Page 6 of 15
DEPARTMENT		SION	EFFECTIVE DATE
TRANS. & DISTRIB. I	ENGINEERING D	ISTRIBUTION ENGINEERING	JULY 26, 2016
GENERAL PRACTIC	ES		
	NS AND MAINTENAM	NCE WILDLAND FIRE PREVENTION	ON PLAN
performin consult w mitigatior has in fac	ig the work creates a gr ith On-duty Fire Coordi in is required. The supe at ceased or why it was	d on the FPI and most work activities reater risk than doing so. In those case nator ((858) 503-5152) and check mat rvisor responsible for the work activitie acceptable to continue. If Fire Coordin ion to continue work is made.	es where work will be done, rix to see if additional s will document that work
	Normal	Elevated	Extreme
	< 12	12-14	15-17

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Ser	mpra Energy utility	ELECTRIC	STANDARD PRA	CTICE	Page 7 of 15
	<u>S. & DISTRIB</u>	ENGINEERING D	STRIBUTION ENGI	NEERING JU	JLY 26, 2016
SENE	ERAL PRACT	ICES			
		ONS AND MAINTENAM	ICE WILDLAND FIR	E PREVENTION F	PLAN
[
			ISK & MITIGATION		
Ì	The work activ	vity described can be perf	ormed to the operating	level indicated unles	ss specifically noted
		or by meeting the minimu			
		the baseline tool requirent vote; a "designated" Fire			
	Patrol is comm	nitted to fire prevention d	uties and responsibilitie	s. The criterion for I	EXTREME is to do
		where not performing the or special mitigation requ		risk than doing so.	Consult Fire
	\A/a ala		NORMAL	ELEVATED	EXTREME
	Work Activity	Work Activity Description	Operating Conditions	Operating Conditions	Operating Conditions
ļ	Vehicle, Road	ls, Inspections			
) (abiala	On paved roads or			
	Vehicle travel	improved roads with no vegetation on	\checkmark	1	\checkmark
		roadbed			
					Permitted only for work that meets
	Vehicle	Off road vehicle travel and un-maintained	1	Must designate a Fire Patrol	the extreme criteria
	travel	roadbeds	¥	(Document)	and must have a
					dedicated Fire Patrol
ĺ		Ground, aerial,			
	Inspections	security, climbing, vegetation, and weed	1	1	Must follow vehicle travel rules above.
		control inspections			traver rules above.
				Must designate a	
	Access	Vegetation removal, water bars, culvert		Fire Patrol (Document) and	
	Road Maintenance	cleaning/repair,	\checkmark	150 gal. of water	Not Permitted
	Maintenance	grading		and equipment for	
Į			<u> </u>	its use	

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No.

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EFFECTIVE DATE DEPARTMENT DIVISION TRANS. & DISTRIB. ENGINEERING **DISTRIBUTION ENGINEERING** JULY 26, 2016 SECTION **GENERAL PRACTICES** SUBJECT TITLE SDG&E OPERATIONS AND MAINTENANCE WILDLAND FIRE PREVENTION PLAN Equipment Maintenance Conducted on existing Insulator access roads with Not Permitted Insulator Wash Rig Washing (1,000 gal.) Mechanical Permitted only for replacement of system work that meets the equipment; i.e. Must designate a extreme criteria and Equipment insulators, fuses, etc. Fire Patrol Replacement must have a ON paved roads or (Document) dedicated Fire Patrol improved roads with no vegetation on roadbed Mechanical Permitted only for replacement of system work that meets the equipment; i.e. Must designate a Equipment extreme criteria and insulators, fuses, etc. Fire Patrol Replacement must have a Off road vehicle travel (Document) dedicated Fire Patrol and on unmaintained roadbeds Replacement of conductor with all Must designate a Conductor activities conducted ON Fire Patrol Not Permitted Replacement paved roads or (Document) improved roads with no vegetation on roadbed Replacement of Must have conductor with all dedicated Fire activities conducted Off Patrol and 150 gal. Conductor Not Permitted Replacement of water and road vehicle travel and on unmaintained equipment for its roadbeds use Replacement of existing power pole ON paved Must designate a Pole roads or improved Fire Patrol Not Permitted **Replacement** roads with no (Document) / Pole hole vegetation on roadbed digging Must designate a Fire Patrol Replacement of existing power pole Off road (Document) and Pole Not Permitted Replacement vehicle travel and on 150 gal. of water / Pole hole unmaintained roadbeds and equipment for digging its use ISSUED BY APPROVED BY

MAURIZIO DE JULIO



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DEPARTMENT

SECTION

TRANS. & DISTRIB. ENGINEERING

DIVISION DISTRIBUTION ENGINEERING EFFECTIVE DATE

GENERAL PRACTICES

SDG&E OPERATIONS AND MAINTENANCE WILDLAND FIRE PREVENTION PLAN

Vegetation	n Management				
Pole/Tower Ground Clearance (PRC 4292)	10' clearance around poles and tower structures hand tools only	\checkmark		4	Not Permitted
Pole/Tower Ground Clearance (PRC 4292)	10' clearance around poles and tower structures weed eaters/hand tools and chain	~		Must designate a Fire Patrol (Document)	Not Permitted
Conductor Vegetation Clearance (PRC 4293)	Tree trimming and occasional removal to maintain required clearances mandated by code	~		Must designate a Fire Patrol (Document)	Allowed when trees making contact or intermittent contact. Must have a dedicated Fire Patrol.
Noxious Weed Control	Controlling or abating weeds in permitted access roads & worksites	~		Must designate a Fire Patrol (Document)	Not Permitted
Othe	r Activities				
Welding or Grinding	Welding or grinding will always require that it be done in an area 10' minimum clearance to mineral soil or equivalent	Must designate a Fire Patrol (Document)		Must have a dedicated Fire Patrol	Not Permitted
Blasting	Any work using explosives must have permit with restrictions identified	Must designate a Fire Patrol (Document)		Must designate a Fire Patrol (document) and 150 gal. of water and equipment for its use	Not Permitted
Combustion Engines	Compressors, generators, etc. must have 10' minimum clearance or equivalent from the heat source	~		Must designate a Fire Patrol (Document)	Permitted only for work that meets the extreme criteria and must have a dedicated Fire Patrol
	ared by the <i>Matrix</i> that do dinator for approval and/o				consultation with the
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SUBJECT TITLE				
SDG&E OPERA	TIONS AND MAINTENA	ANCE WILD	LAND FIRE PREVENTIO	'N PLAN
4.3.1				
4.3.1	Optional considerations for particularly hazardous or high risk areas where additional mitigation measures are warranted (discuss with On-duty Fire Coordinator)			
4.3.1.1	Small fire engine or patrol unit with minimum 150 gallons of water			ater
4.3.1.2	Cache of fire hose ar	nd related acc	cessories	
4.3.1.3	Water supply; water	tender, truck,	or hydrant (1500 gal. recom	imended)
4.3.1.4	Dozer or tractor, cap			,
4.3.2	•	•	ing areas will be treated simi	ilar to other staging areas
7.0.2	with enough fire equipmer Incidental Landing Areas	nt for personn (ILA's) adequ	el on site or fire box availabl late firefighting equipment sh working on the ground at tho	e on major operations. On nall be carried on the
4.4 Ger	neral Fire Prevention Consi	derations:		
<mark>4.4.1</mark>			FTZ (and recommended in	
			sion all fire concerns. All fire	
	documented, including designated or dedicated fire patrol, mitigation measures taken, and extinguishment plans for any at risk work for the day.			
4.4.2	Smoke only in designated smoking areas or in a 10' clearing void of all grass or other vegetation.			
4.4.3	Idling your vehicle in areas of brush, grass, or other vegetation is prohibited. When parking in these areas; shut off vehicle and check vehicle undercarriage for any threat of fire ignition.			
4.4.4	When driving over grass meadows or areas of low vegetation, have a designated Fire Patrol follow along with fire tools available to extinguish an inadvertent fire start. If traveling alone, you become the designated fire patrol, frequent observations of the ground behind you should be made with fire tools ready and available and this should not be done in elevated or extreme conditions.			
4.4.5	At work sites have all required tools available and within 50' of the work activity. Tools should be serviceable and ready for use.			
<mark>4.4.6</mark>			pable of producing sparks a	
			rea with 10' clearance or equ ocument a designated Fire F	
4.4.7	All internal combustion engines shall have approved spark arresters.			
4.4.7.1	Engines used to provide motive power for trucks, tractors, buses, and passenger vehicles, except motorcycles, are exempt if the exhaust system is equipped with a muffler.			
4.4.7.2	Turbocharged engines are exempt.			
4.4.8		•		g at risk work in the wildland
4.4.9				cularly hazardous work
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4.4.10	When it is possible, wet down adjacent vegetation when performin areas.			
4.4.11	4.4.11 Consider work hour restrictions in the wildland areas avoiding particularly hazardous work during the hottest portions of the day.			
	General Fire Safety Considerations: As previously indicated, fire pre of all of our efforts. We do carry the proper equipment to rapidly exting very small fire that is within our capabilities to take action on. If at any t unmanageable or unsafe for you to continue your suppression actions, to a safe area. If work activities require personnel to perform utility relat an uncontrolled wildfire the following considerations become important	uish a witnessed ignition or ime the fire becomes you should stop and retreat ed work adjacent to or near		
4.5.1	Use proper Personal Protective Equipment (P.P.E.), standard SDC When working within or adjacent to uncontrolled fire perimeter con clothing should be worn.			
4.5.2	When working on or adjacent to a wildland fire, positive communic internally using SDG&E work protocols. It is critical that employees communicate with fire agencies for reporting fires and for the exch for the duration of an incident. Cross communication with the fire a of the SDG&E Incident Commander (single point of contact assign resources), the Fire Coordinator (FC), or the On- Site (pre-designa affected area) Supervisor in the absence of a Fire Coordinator or S Commander.	s have the ability to ange of critical information agencies is the responsibility led to manage all SDG&E ated work supervisor for		
4.5.3		Know what the fire is doing at all times, observe personally or be in direct communication with a competent person (IC, FC, or On-Site Supervisor) who is monitoring fire activity.		
4.5.4	Work within the Incident Command System (ICS) while assigned to Understand the chain of command for the incident and who you ar and check out when entering an uncontrolled fire perimeter after it the IC, FC, or on-site SDG&E Single Point of Contact.	e accountable to. Check in		
4.5.5	Pre-evaluate and designate safety zones (areas large enough to p escape routes (safe access to these safety zones) when working i high fire danger days.			
4.5.6	Get proper rest and adequate water during extended fire activity to prevent accidents and/or injuries.	avoid fatigue and help		
4.5.7	Exercise extreme caution when driving within a fire area and/or sm of falling rocks, trees, and other debris as well as road obstructions driving speeds down when visibility is limited.			
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4.6	Red Flag Warnings/Extreme National Weather Service. Its occupants in the wildland are activities. There are currently RFW. One is wind related, a "Extreme" operating condition that without performing it wou and is issued when areas of Coordination and Meteorolog the RFW. RFW are generally territory. The wind/relative he service territory and can be e between Fire Coordination ar group. In either case work re allow (exempt) work necessa document the exemption. If n decision and documentation remind affected parties of wo	e Fire Potentia s intent is to pa bas to bring ab two basic crit long with extra n automatically uld create a gre "dry" lightning y will confer to y issued for va umidity RFW to expanded to extra and Meteorology estrictions likely ary to mitigate a required the Or process. Durin	al Index: Red Flag Warnings ass along critical fire weather oout more prudent actions in a eria (see definitions under R eme dryness, and this RFW and all work activity will cea eater risk. The second RFW are imminent. During this ty determine the operating cor arious weather zones that tra will apply to all identified wea clude weather zones if neces gy. Extreme FPI is issued by apply, see 4.3. Superviso an immediate fire risk. The s n-duty Fire Coordinator can p ng pre-event conference calls	a (RFW) are issued by the information to users and all of their wildland related FW) for establishing a will be considered ase except for such work criterion is lightning related pe of RFW, Fire ndition for the duration of nsect the SDG&E service ther zones within SDG&E ssary after consultation SDG&E Meteorology rs will retain authority to upervisor will be required to provide assistance with the s Fire Coordination will
4.7	Project Activity Levels: The risk of fire on National Forest Project Activity Levels (PALS day. It may be different for di CLEVELAND NATIONAL FO PAL index will determine wha mitigation can be done to be Prevention plan must be follo version: (858) 503-5152).	land, particula b). Each day at ifferent geogra DREST. This in at activities can allowed to do a	rly in the timber or mountain 4:00 p.m. the PAL will be ar phical areas in the county. I formation is available by call be done on the forest the fo additional work activities. Th	areas. It is referred to as nounced for the following T ONLY APPLIES TO THE ing (619) 557-5262. The Ilowing day and what risk e CNF O&M Fire
4.8	SDG&E Project Specific Fir routine day to day work activi contractors. For projects out especially hazardous the Fire determination whether this W plan with some minor addition is required. If required the Fire required plan, follow it throug On major projects there may fire agency that will be incorp	ities performed side of normal Coordination /ildland Fire Pro- onal mitigation C will work wit h to approval, be additional re	in the wildland by all SDG& work activities or for an activ group should be consulted. evention plan is sufficient for will suffice, or if a project spe h the Project Manager or rep and monitor compliance with equirements assessed by the	E employees and ity that seems to be The FC will make a the prescribed work, this ecific Fire Prevention Plan presentative to develop the the plan as appropriate. e CPUC or a jurisdictional
4.9	Other Critical Fire Danger F given area have the authority are experiencing a critical sho incumbent on them to insure particular area. Upon notifica	 to proclaim ce ortage of resouve we are informe 	ertain restrictions in extreme to irces. These cases will be vere ad of any temporary changes	fire conditions or when they ery rare and it will be in fire restrictions for a
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4.10	Fire Related Training: It is mandatory that all field g prevention training on an annual basis. If an employe training chooses to go to the field they will be escorte has the required tools for both employees. Wildland incorporated into annual Compliance Training and do training can be accomplished in one hour at a routin schedule sessions specifically for this purpose. For t work within or immediately adjacent to an uncontrolle recommended: Two hours total consisting of Fire Sa fire behavior training. For supervisors, managers, an the SDG&E Incident Commander or EOC "Officer in a dvanced ICS training is recommended. The Fire Co assist with arranging qualified instruction. The FC ma qualify additional SDG&E employees as instructors, t with this effort. Documentation of this training shall b in the employee's training records.	ee who does not ha d by someone who Fire Prevention tra ocumented through e safety meeting ju hose employees wh d fire area, the follo fety, Incident Comr d company officers Charge" on a major pordinator group wil ay bring in additional using the "train the following the stress of the stress of the stress of the stress of the stress of the stress of the stress of the stress of the stress of the stress of the stress of	ve wildland fire prevention has had the training and ining (SFUGN103) will be using this process. The st prior to fire season or no are likely to be asked to owing additional training is nand System, and basic , who could be assigned as incident, additional I provide this training or al qualified instructors, or trainer" approach to assist
4.11	EOC and Control Centers:		
4.11.	Service Dispatch, Electric Distribution Operation a vital role in any fire emergency. Communication critical. Provide information updates and feedbar responsibility becomes affected. This should co this standard practice governs the fire prevention and Grid Operations manage the System Opera & ESP109 must be complied with.	ons with these grou lick to each of these ntinue through the n aspects of an eve	ps, when applicable, is groups as their areas of duration of the incident. As int, Distribution Operations
4.11.	Early notification to the EOC of potential activation Notification procedures are identified in ESP 113 followed as prescribed.		
4.12	Fire Coordination: SDG&E has (6) full-time Fire Coordination: They are essentially the liaison agencies. Questions related to this plan or request a through the FC group.	for the company to	the Emergency Response
5.0 <u>REFER</u>	ENCES		
5.1	State Forest Standard Practice Act: http://www.fire.ca.gov/resource_mgt/downloads/2015%20FP%20F	Rulebook_with%20TRA%	<u>620No%201_Final.pdf</u>

- 5.2 TMC 1320 (aka DOP3013, ESP109 SDG&E Fire Conditions)
- 5.3 ESP 113 FIRE COORDINATION
- 5.4 Power Line Fire Prevention Field Guide 2008 edition http://cdfdata.fire.ca.gov/pub/fireplan/fpupload/fppguidepdf126.pdf

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SDG&E OPERATIONS AND MAINTENANCE WILDLAND FIRE PREVENTION PLAN

6.0 REVISION HISTORY

Effective Date:	Type Of Change	Brief Description of Change
26Jul2016	Revised	SDG&E Fire Program Manager has made minor changes to this standard. Revisions or additions highlighted in YELLOW. Removed Attachment 2, Project Specific Fire Plan Template.
8Jun2015	Revised	SDG&E Fire Program Manager updated all maps
25Jul2014	Revised	Revised by SDG&E Fire Program Manager
24Apr2013	Revised	Revised by SDG&E Fire Program Manager
05Jul2012	Revised	Revised by SDG&E Fire Program Manager

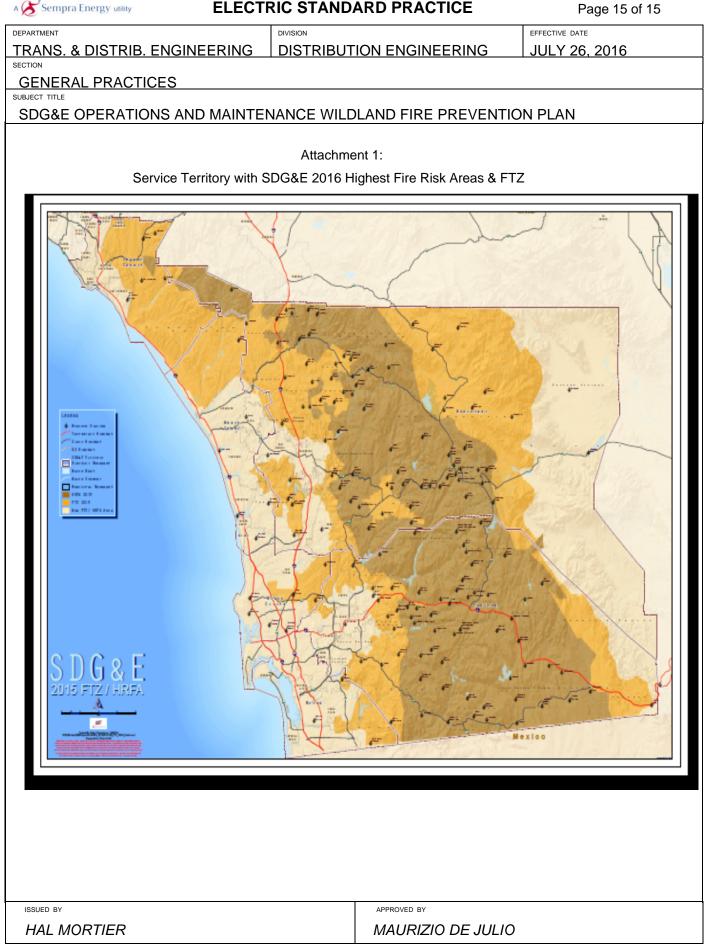
7.0 <u>ATTACHMENTS</u>

7.1 Attachment 1: Service Territory with SDG&E 2015 Highest Fire Risk Areas & FTZ

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ESP TEMPLATE- Nov2014 / GJC - EDE