

City Consent Application

Jan 13, 2017

(Date)

Ms. Enza Charles
Real Estate Assets Department
The City of San Diego
1200 Third Avenue, Suite 1700
San Diego, California 92101

RE: Site Address: 12227 Spring Canyon Rd., San Diego
San Diego (the "Property")
Site Name: Verizon Scripps Ranch

Agreement: Lease Agreement, dated 11/1/1995 (the "Lease") between The City of
San Diego ("City") and Airtouch Cellular d/b/a Verizon Wireless, ("Lessee").

Dear Ms. Charles,

As part of the continuous effort to keep its network up to date, Verizon Wireless
would like to perform the following modifications (changes) as described in the attached
plans, to the site referenced above:

Example:

Antennas: Sector "A": Relocate four (4) six foot antennas from the water tank to the screened enclosure located on top of the equipment shelter; Sector "B": Replace the four (4) existing four foot antennas located on the water tank with six foot antennas. In order to accommodate the larger antennas, the screen boxes will be increased from six feet in length to eight feet.

Equipment: Remove existing Propane Generator. Install one 30KW Diesel Generator in a 12' x 11'4" area. Said area to be enclosed with a ten (10) foot tall CMU block wall. Said Units to be screened by a four (4) foot tall CMU block wall.

Install a 30KW diesel backup generator with fuel tank.



Real Estate
Assets

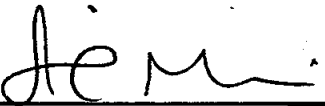
Pursuant to Improvements and Alterations, of the Lease Agreement, "Lessee shall not construct any improvements, structures, or installations on the Premises, or make any alterations to the Premises (with the exception of equipment replacements or repairs) without City's prior written approval." In order to comply with such requirement,

Verizon Wireless would like to request City's consent and approval to complete the items described above.

Sincerely, Stella Shih, agent for Verizon Wireless

Applicant's Signature: 

City Water Department department has provided its consent and approval to allow Verizon Wireless to perform the proposed modifications described herein.

1-19-17 
Date Signature SAID MAHDAVI

**CITY OF SAN DIEGO, ACKNOWLEDGEMENT AND CONSENT
FOR MODIFICATION OF**

12227 Spring Canyon Rd, San Diego, CA

(Site Location)

By: 

Name: Cybele L. Thompson

Title: Director of Real Estate Assets

Date: 1/19/17



**Real Estate
Assets**

Model: **30REOZK**

KOHLER. Power Systems

208-600 V

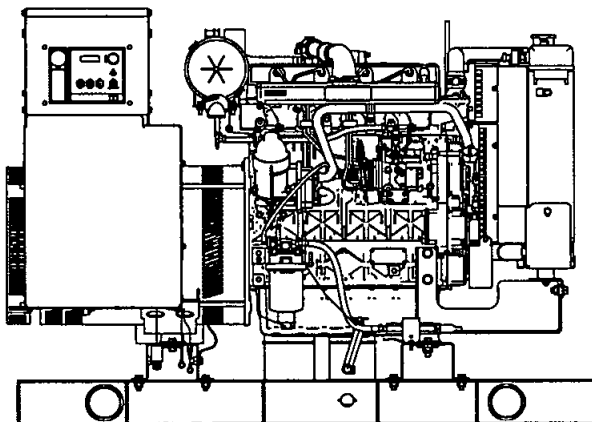
Diesel



**Tier 4i EPA-Certified for Stationary
Emergency Applications**

Ratings Range

60 Hz			
Standby:	kW	23-31	
	kVA	23-39	
Prime:	kW	21-28	
	kVA	21-35	



Standard Features

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The 60 Hz generator set offers a UL 2200 listing.
- The generator set accepts rated load in one step.
- The 60 Hz generator set meets NFPA 110, Level 1, when equipped with the necessary accessories and installed per NFPA standards.
- The generator set engine is certified to meet the Environmental Protection Agency (EPA) emergency stationary emissions requirements.
- A one-year limited warranty covers all generator set systems and components. Two- and five-year extended limited warranties are also available.
- Alternator features:
 - Kohler's wound field excitation system with its unique PowerBoost™ design delivers great voltage response and short-circuit capability.
 - The brushless, rotating-field alternator has broadrange reconnectability.
- Other features:
 - Kohler designed controllers for guaranteed system integration and remote communication. See Controllers on page 3.
 - The low coolant level shutdown prevents overheating (standard on radiator models only).
 - Integral vibration isolation eliminates the need for under-unit vibration spring isolators.

Generator Set Ratings

Alternator	Voltage	Ph	Hz	130°C Rise Standby Rating		105°C Rise Prime Rating	
				kW/kVA	Amps	kW/kVA	Amps
4D5.6	120/208	3	60	29/36	101	26/33	90
	127/220	3	60	29/36	95	26/33	85
	120/240	3	60	29/36	87	26/33	78
	120/240	1	60	23/23	96	21/21	88
	139/240	3	60	29/36	87	26/33	78
	220/380	3	60	27/34	51	25/31	47
	277/480	3	60	29/36	44	26/33	39
	347/600	3	60	29/36	35	26/33	31
4D8.3	120/208	3	60	31/39	108	28/35	97
	127/220	3	60	31/39	102	28/35	92
	120/240	3	60	31/39	93	28/35	84
	120/240	1	60	29/29	121	26/26	108
	139/240	3	60	31/39	93	28/35	84
	220/380	3	60	31/39	59	28/35	53
	277/480	3	60	31/39	47	28/35	42
	347/600	3	60	31/39	37	28/35	34
4E5.6	120/240	1	60	29/29	121	26/26	108
4E8.3	120/240	1	60	31/31	129	27/27	113

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor. *Standby Ratings:* Standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. *Prime Power Ratings:* At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528-1 and ISO-3046-1. For limited running time and continuous ratings, consult the factory. Obtain the technical information bulletin (TIB-101) for ratings guidelines, complete ratings definitions, and site condition derates. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.

Alternator Specifications

Specifications	Alternator
Manufacturer	Kohler
Type	4-Pole, Rotating-Field
Exciter type	Brushless, Wound Field
Leads: quantity, type	12, Reconnectable 4, 110–120/220–240
Voltage regulator	Solid State, Volts/Hz
Insulation:	NEMA MG1
Material	Class H
Temperature rise	130°C, Standby
Bearing: quantity, type	1, Sealed
Coupling	Flexible Disc
Amortisseur windings	Full
Voltage regulation, no-load to full-load	Controller Dependent
One-step load acceptance	100% of Rating
Unbalanced load capability	100% of Rated Standby Current

- NEMA MG1, IEEE, and ANSI standards compliance for temperature rise and motor starting.
- Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- Sustained short-circuit current enabling downstream circuit breakers to trip without collapsing the alternator field.
- Self-ventilated and dripproof construction.
- Windings are vacuum-impregnated with epoxy varnish for dependability and long life.
- Superior voltage waveform from a two-thirds pitch stator and skewed rotor.

Specifications	Alternator
Peak motor starting kVA:	(35% dip for voltages below)
480 V 4D5.6 (12 lead)	75
480 V 4D8.3 (12 lead)	120
240 V 4E5.6 (4 lead)	44
240 V 4E8.3 (4 lead)	74

Application Data

Engine

Engine Specifications	
Manufacturer	Kohler Diesel
Engine model	KD12504TM
Engine type	4-Cycle, Turbocharged
Cylinder arrangement	4 Inline
Displacement, L (cu. in.)	2.5 (158)
Bore and stroke, mm (in.)	88 x 102 (3.46 x 4.02)
Compression ratio	18:1
Piston speed, m/min. (ft./min.)	367 (1206)
Main bearings: quantity, type	5, Sleeve
Rated rpm	1800
Max. power at rated rpm, kWm (BHP)	36.4 (48.8)
Cylinder head material	Cast Iron
Crankshaft material	Cast Iron
Valve material:	
Intake	Stainless Steel
Exhaust	Stainless Steel
Governor: type, make/model	Stanadyne/Mechanical (or Electronic *)
	Droop, 5%
Frequency regulation, no-load to full-load	(or Isochronous *)
Frequency regulation, steady state	±0.5%
Frequency	Fixed
Air cleaner type, all models	Dry

* Requires available electronic governor option

Exhaust

Exhaust System	
Exhaust manifold type	Dry
Exhaust flow at rated kW, m ³ /min. (cfm)	7.8 (275)
Exhaust temperature at rated kW, dry exhaust, °C (°F)	543 (1009)
Maximum allowable back pressure, kPa (in. Hg)	8 (2.4)
Exhaust outlet size at engine hookup, mm (in.)	50.8 (2)

Engine Electrical

Engine Electrical System	
Battery charging alternator:	
Ground (negative/positive)	Negative
Volts (DC)	12
Ampere rating	50
Starter motor rated voltage (DC)	12
Battery, recommended cold cranking amps (CCA):	
Quantity, CCA rating	One, 650
Battery voltage (DC)	12

Fuel

Fuel System	
Fuel supply line, min. ID, mm (in.)	8.0 (0.31)
Fuel return line, min. ID, mm (in.)	6.0 (0.25)
Max. lift, engine-driven fuel pump, m (ft.)	3.0 (10.0)
Max. fuel flow, Lph (gph)	46 (12.2)
Max. return line restriction, kPa (in. Hg)	20 (5.9)
Fuel filter	
Prefilter	74 Microns
Primary/Water Separator	5 Microns @ 98% Efficiency
Recommended fuel	#2 Ultra Low Sulfur Diesel

Lubrication

Lubricating System	
Type	Full Pressure
Oil pan capacity, L (qt.)	10.7 (11.3)
Oil pan capacity with filter, L (qt.)	11 (11.6)
Oil filter: quantity, type	1, Cartridge
Oil cooler	

Application Data

Cooling

Radiator System

Ambient temperature, °C (°F) *	50 (122)
Engine jacket water capacity, L (gal.)	4.4 (1.6)
Radiator system capacity, including engine, L (gal.)	11.4 (3)
Engine jacket water flow, Lpm (gpm)	59.0 (15.6)
Heat rejected to cooling water at rated kW, dry exhaust, kW (Btu/min.)	27.0 (1536)
Water pump type	Centrifugal
Fan diameter, including blades, mm (in.)	406 (16.0)
Fan, kWm (HP)	0.6 (0.8)
Max. restriction of cooling air, intake and discharge side of radiator, kPa (in. H ₂ O)	0.125 (0.5)

* Enclosure reduces ambient temperature capability by 5°C (9°F).

Operation Requirements

Air Requirements

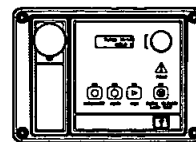
Radiator-cooled cooling air, m ³ /min. (scfm) †	53.8 (1900)
Combustion air, m ³ /min. (cfm)	2.7 (96.9)
Heat rejected to ambient air:	
Engine, kW (Btu/min.)	10.3 (587)
Alternator, kW (Btu/min.)	6.7 (381)
Max. air intake restriction, kPa (in. Hg)	3.0 (0.89)

† Air density = 1.20 kg/m³ (0.075 lbm/ft³)

Fuel Consumption

Diesel, Lph (gph) at % load	Standby Rating	
100%	9.8	(2.6)
75%	7.9	(2.1)
50%	5.7	(1.5)
25%	3.4	(0.9)
Diesel, Lph (gph) at % load	Prime Rating	
100%	9.1	(2.4)
75%	7.2	(1.9)
50%	5.3	(1.4)
25%	3.0	(0.8)

Controller



Decision-Maker® 3000 Controller

Provides advanced control, system monitoring, and system diagnostics for optimum performance and compatibility.

- Digital display and menu control provide easy local data access
- Measurements are selectable in metric or English units
- Remote communication thru a PC via network or serial configuration
- Controller supports Modbus® protocol
- Integrated hybrid voltage regulator with ±0.5% regulation
- Built-in alternator thermal overload protection
- NFPA 110 Level 1 capability

Refer to G6-100 for additional controller features and accessories.

Modbus® is a registered trademark of Schneider Electric.

Additional Standard Features

- Air Cleaner, Heavy Duty
- Alternator Protection
- Battery Rack and Cables
- Closed Crankcase Ventilation
- Oil Drain and Coolant Drain with Hose Barb
- Oil Drain Extension (with enclosure models only)
- Operation and Installation Literature
- Stainless Steel Fasteners on Enclosure (with enclosure models only)
- Rodent Guards

Available Options

Approvals and Listings

- ☐ CSA Certified
- ☐ IBC Seismic Certification
- ☐ UL2200 Listing

Enclosed Unit

- ☐ Sound Enclosure (with enclosed critical silencer)
- ☐ Weather Enclosure (with enclosed critical silencer)
- ☐ Stainless Steel Latches and Hinges

Open Unit

- ☐ Exhaust Silencer, Critical (kit: PA-352663)
- ☐ Flexible Exhaust Connector, Stainless Steel

Fuel System

- ☐ Flexible Fuel Lines
- ☐ Fuel Pressure Gauge
- ☐ Subbase Fuel Tanks

Controller

- ☐ Common Failure Relay
- ☐ Input/Output Module
- ☐ Manual Speed Adjust (requires Electronic Governor)
- ☐ Remote Annunciator Panel
- ☐ Remote Emergency Stop
- ☐ Run Relay

Cooling System

- ☐ Block Heater (700 W, 110–120 V)
Recommended for ambient temperatures below 0°C (32°F).
- ☐ Radiator Duct Flange

Electrical System

- ☐ Alternator Strip Heater
- ☐ Battery
- ☐ Battery Charger, Equalize/Float Type
- ☐ Battery Heater
- ☐ Electronic Governor
- ☐ Line Circuit Breaker (NEMA type 1 enclosure)
- ☐ Line Circuit Breaker with Shunt Trip (NEMA type 1 enclosure)

Miscellaneous

- ☐ Air Cleaner Restriction Indicator
- ☐ Engine Fluids Added
- ☐ Rated Power Factor Testing

Literature

- ☐ General Maintenance
- ☐ NFPA 110
- ☐ Overhaul
- ☐ Production

Warranty

- ☐ 2-Year Basic Limited Warranty
- ☐ 5-Year Basic Limited Warranty
- ☐ 5-Year Comprehensive Limited Warranty

Other Options

- ☐
- ☐
- ☐
- ☐
- ☐

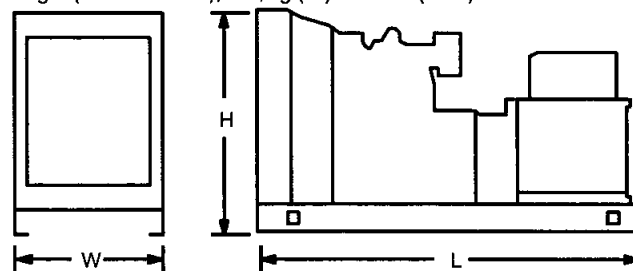
Dimensions and Weights

Overall Size, L x W x H, mm (in.):

Open Unit Skid: 1400 x 813 x 1024 (55.1 x 32.0 x 40.3)

Enclosure Skid: 1938 x 813 x 1174 (76.5 x 32.0 x 47.0)

Weight (radiator model), wet, kg (lb.): 512 (1130)



NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

DISTRIBUTED BY:

Solis, Tracy

To: Mahdavi, Said
Cc: Charles, Enza
Subject: City Consent Application: Verizon Scripps Ranch Water Generator Project
Attachments: KOHLER 30KW (30REOZK).pdf; SCR Mod Jan 2017.pdf

Hi Said,

Attached is the City Consent Application for your review and signature from Verizon for Scripps Ranch. FYI Enza has reached out to Verizon regarding the size of this generator as this seems to be the larger version. You will see in the history of this email some additional photos and plans/drawings. Please let me know if you need any additional information. Thank you!

Kind regards,

Tracy A. Solis
Associate Property Agent
City of San Diego
Real Estate Assets

From: Stella Shih [mailto:Stella.Shih@rlsusa.com]
Sent: Friday, January 13, 2017 1:13 PM
To: Charles, Enza <ECharles@sandiego.gov>
Cc: Solis, Tracy <TSolis@sandiego.gov>
Subject: RE: Verizon Scripps Ranch Water Generator Project

Hi Enza,

Here is signed consent application. I am also sending you the spec for the generator that Verizon would like to use. I am ordering a noise study right now, will submit the report to you when I got it. Is the aerial better?



Thanks!!
Stella

From: Charles, Enza [<mailto:ECharles@sandiego.gov>]
Sent: Thursday, January 12, 2017 3:57 PM
To: Stella Shih
Cc: Solis, Tracy
Subject: RE: Verizon Scripps Ranch Water Generator Project

Hi Stella

I will need for you to fill out the attached City Consent application for this project. I will have to send this to the Water department for their approval.

They will need:

- A better aerial shot showing where the proposed sites are to install the Generator.
- The size, make & model of the generator. (you will likely have to have a noise study done since there are residential homes in the area.)

Thanks,

Enza Charles
Supervising Property Agent
City of San Diego

Real Estate Assets – Telecommunication Division
1200 Third Avenue
Suite 1700
San Diego, CA 92101

T (619) 236-6052
F (619) 236-6706

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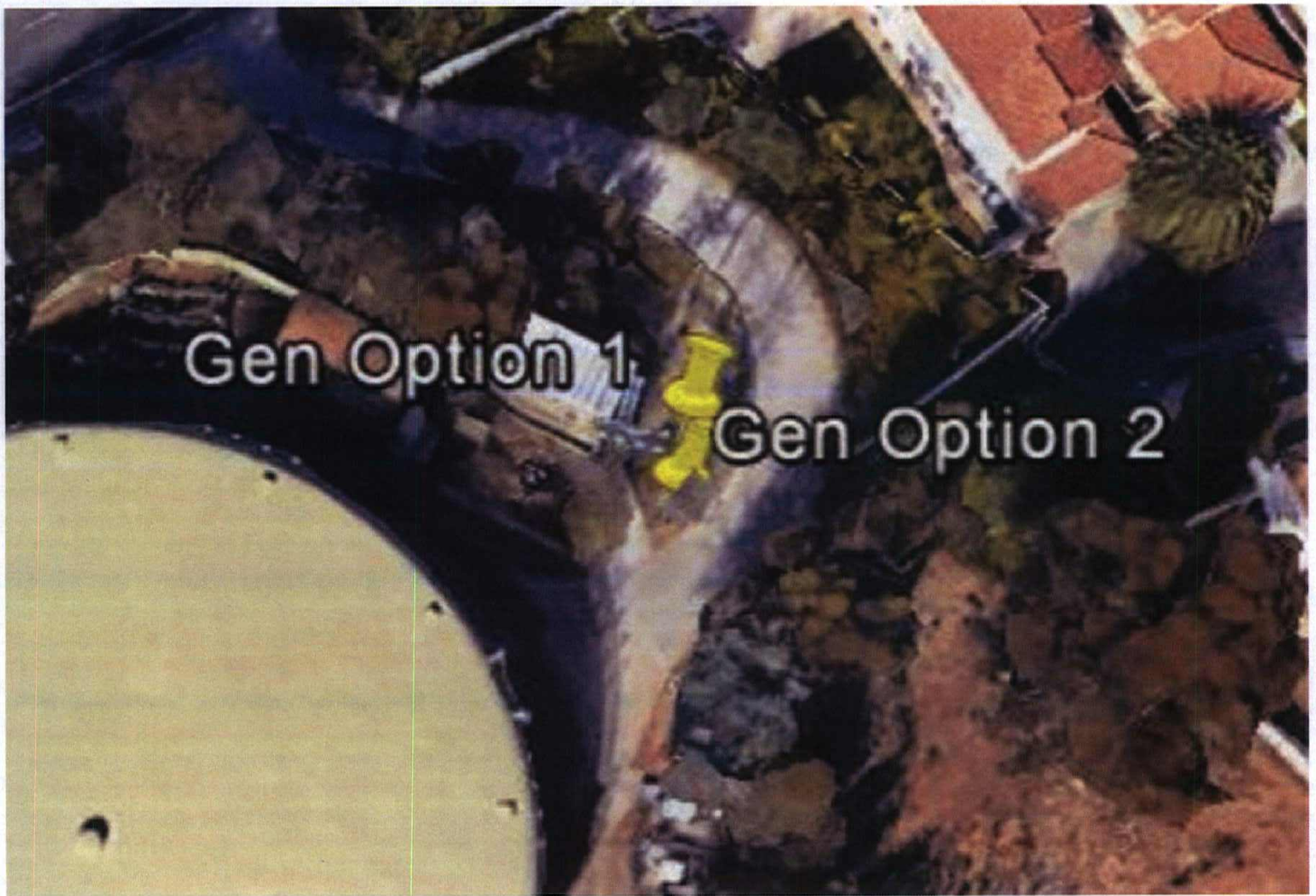
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From: Stella Shih [<mailto:Stella.Shih@rlsusa.com>]
Sent: Friday, January 06, 2017 11:06 AM
To: Charles, Enza <ECharles@sandiego.gov>
Subject: RE: Verizon Scripps Ranch Water Generator Project

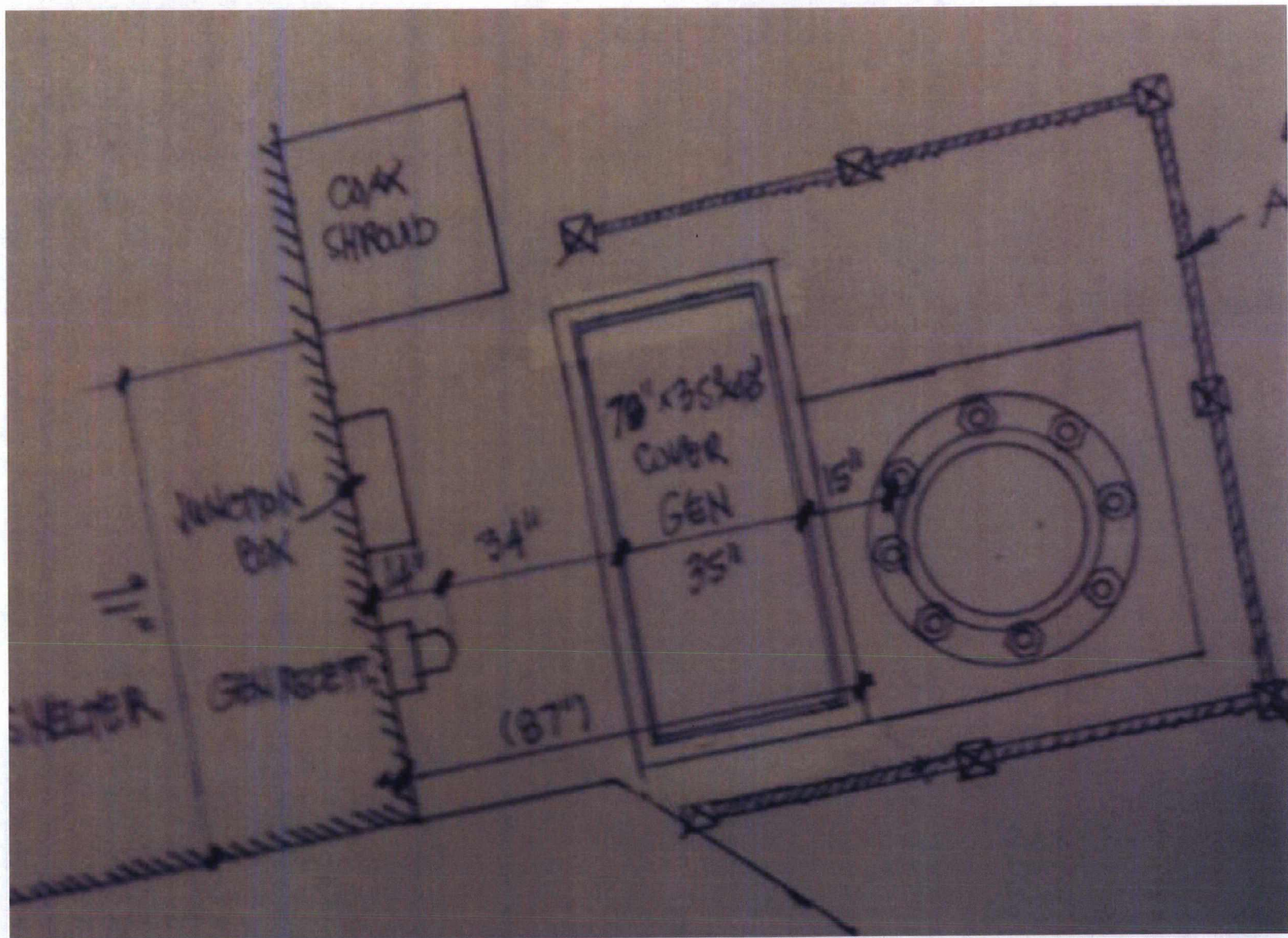
Hi Enza,

Happy New Year!!

Now that the antennas project has been completed. We are moving forward with the generator project. I have 2 generator location for your consideration. Please see below:



Option 1:



WATER BOX

GAS RECEPT

GAS RECEPT

15'

14'

8'7"

4x4 POST

PUNCH WATER TANK

Thanks!!
Stella

From: Charles, Enza [<mailto:ECharles@sandiego.gov>]
Sent: Wednesday, October 19, 2016 3:43 PM
To: Stella Shih
Cc: Cleveland, Travis; Lynch, Karen
Subject: RE: Verizon Scripps Ranch Water Approval

Stella what is an NTP?
I have already sent you the signed consent back on June 30th.

Thanks,

Enza Charles
Supervising Property Agent
City of San Diego
Real Estate Assets – Telecommunication Division
1200 Third Avenue
Suite 1700
San Diego, CA 92101

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F (619) 236-6706

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From: Stella Shih [<mailto:Stella.Shih@rlsusa.com>]
Sent: Wednesday, October 19, 2016 12:44 PM
To: Charles, Enza <ECharles@sandiego.gov>
Subject: RE: Verizon Scripps Ranch Water Approval

Hi Enza,

Just want to follow up with you on how to get my NTP. I am getting my plans stamped for Building Permit.

Thanks!!

Stella Shih
Site Development Specialist



Stella.Shih@RLSusa.com | www.RLSusa.com
Office: (714) 685-0123
Mobile: (714) 396-0459
Fax: (714) 453-9692
1745 W. Orangewood Ave, Suite 103
Orange, CA 92868

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From: Stella Shih
Sent: Tuesday, October 11, 2016 9:01 AM
To: echarles@sandiego.gov
Subject: FW: Verizon Scripps Ranch Water Approval

Hi Enza,

Have not talk to you for a while, hope everything is going great. My antenna swap project at Scripps Ranch Water Tank has been approved by DSD. How do I start with you on the NTP?

Thanks!!
Stella

From: Cleveland, Travis [<mailto:TCleveland@sandiego.gov>]
Sent: Monday, October 10, 2016 12:39 PM
To: Stella Shih
Subject: Verizon Scripps Ranch Water Approval

Hi Stella,

Attached are our approval notes. I'll need them scanned on to the stamp transfer set. Also, once that's done, please either send me or bring by an 11 x 17 for the file to use as Exhibit A.

Also, note that although you are approved, I can't actually issue this approval in the system until all your fees are paid. No worries because I know you have to pay prior to issuance. Just let me know when you've paid so I can issue the Spectrum Act approval.

Thanks,

Travis Cleveland
Development Project Manager
City of San Diego
Development Services Department
T (619) 446-5407 | <http://www.sandiego.gov>

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Correspondence to and from this address may be monitored by third parties.

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2016.0.7797 / Virus Database: 4656/13123 - Release Date: 10/01/16

Internal Virus Database is out of date.

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2016.0.7797 / Virus Database: 4656/13123 - Release Date: 10/01/16

Internal Virus Database is out of date.

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2016.0.7996 / Virus Database: 4739/13701 - Release Date: 01/03/17

Internal Virus Database is out of date.