



## DEPARTMENT OF THE ARMY

Los Angeles District, Corps of Engineers  
South Coast Branch, Carlsbad Field Office  
6010 Hidden Valley Road, Suite 105  
Carlsbad, CA 92011

July 8, 2011

REPLY TO ATTENTION OF:

Office of the Chief  
Regulatory Division

### DEPARTMENT OF THE ARMY NATIONWIDE PERMIT AUTHORIZATION

Alan Colton  
San Diego Gas & Electric Company  
8315 Century Park Court, CP21G  
San Diego, California 92123-1548

Dear Mr. Colton:

This is in reply to your request, dated June 14, 2011 (Enclosure 1), to reverify your Nationwide Permit (NWP) 12 authorization for Single and Complete Project Number (No.) 22 (File No. SPL-2007-00704-SAS). Your original NWP verification letter, dated January 7, 2011, authorized the discharge fill material into waters of the United States (U.S.) in association with the San Diego Gas & Electric Company's (SDG&E) proposal to construct the Sunrise Powerlink Project (Sunrise Powerlink), a power transmission line along an approximately 120-mile alignment from the Imperial Valley Substation in Imperial County, California to the Sycamore Canyon Substation in the County of San Diego, California (Enclosure 1) and is incorporated here by reference.

Based on the information you have provided, the U.S. Army Corps of Engineers Regulatory Division (Corps) has determined that your proposed modifications to Single and Complete Project No. 22 complies with the terms and conditions of NWP 12, *Utility Line Activities*, as described in your original permit authorization letter dated January 7, 2011.

In addition to those activities authorized in your January 7, 2011 authorization letter, you are specifically authorized to perform the following construction-related activities for Single and Complete Project No. 22:

1. Modify the construction of and temporary access to structures EP322-1, EP323-1, and EP324, as detailed in Enclosure 2, resulting in a 0.1-acre increase in temporary impacts to waters of the U.S. within 12-DW-2. All permanent impacts associated the construction of with EP322-1, EP323-1, and EP324 shall remain the same as authorized on January 7, 2011.

All terms and conditions associated with your January 7, 2011 authorization letter remain applicable and valid to these authorized modifications.

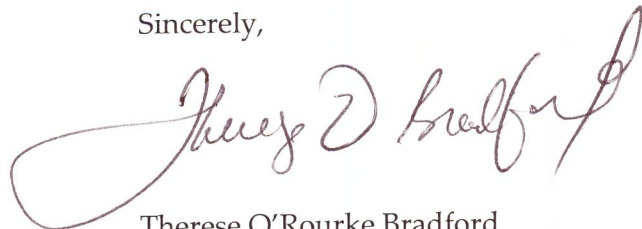
This verification is valid until the NWP is modified, reissued, or revoked. **All of the existing NWPs are scheduled to be modified, reissued, or revoked prior to March 18, 2012.** It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit.

A nationwide permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, state, or local authorizations required by law.

Thank you for participating in our regulatory program. If you have any questions, please contact Shanti Santulli of my staff at 760-602-4834 or via e-mail at [Shanti.A.Santulli@usace.army.mil](mailto:Shanti.A.Santulli@usace.army.mil).

Please be advised that you can now comment on your experience with Regulatory Division by accessing the Corps web-based customer survey form at: <http://per2.nwp.usace.army.mil/survey.html>.

Sincerely,

A handwritten signature in dark ink, appearing to read "Therese O'Rourke Bradford". The signature is fluid and cursive, with a large loop at the end.

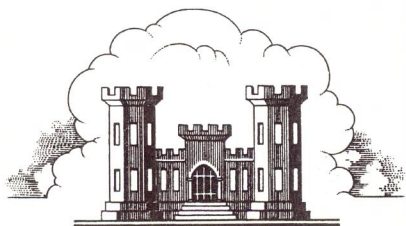
Therese O'Rourke Bradford  
Chief, South Coast Branch  
Regulatory Division



Enclosures

Enclosure 1: Figure 1 - Final Environmentally Superior Southern Route (FESSR), Sunrise Powerlink Alignment

Enclosure 2: Sunrise Powerlink: Notification and/or Request for Change in Construction Activity



LOS ANGELES DISTRICT  
U.S. ARMY CORPS OF ENGINEERS

CERTIFICATION OF COMPLIANCE WITH  
DEPARTMENT OF THE ARMY NATIONWIDE PERMIT

Permit Number: *SPL-2007-00704-SAS*

Name of Permittee: *San Diego Gas & Electric Company, Alan Colton*

Date of Issuance: *January 7, 2011*

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

U.S Army Corps of Engineers  
Regulatory Division  
ATTN: CESPL-RG-SPL-2007-00704-SAS  
Los Angeles District, Corps of Engineers  
South Coast Branch, Carlsbad Field Office  
6010 Hidden Valley Road, Suite 105  
Carlsbad, California 92011

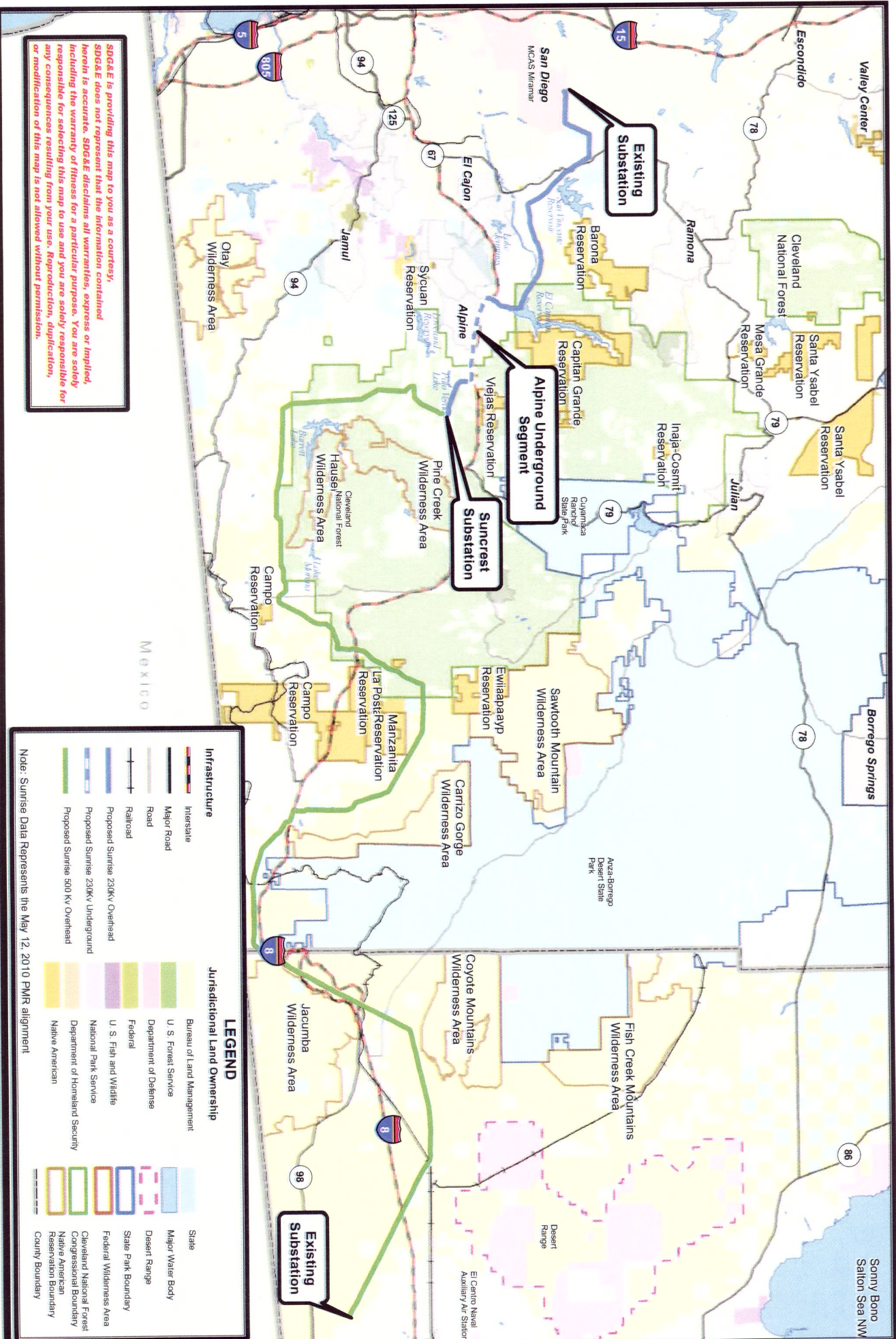
Please note that your permitted activity is subject to a compliance inspection by an Army Corps of Engineers representative. If you fail to comply with this nationwide permit you may be subject to permit suspension, modification, or revocation procedures as contained in 33 CFR 330.5 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit condition(s).

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Signature of Permittee

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Date

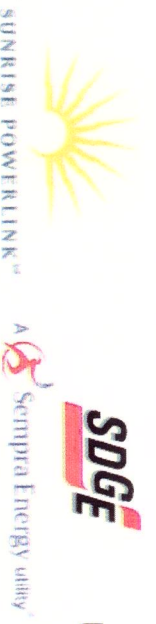


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**LEGEND**

Infrastructure		Jurisdictional Land Ownership	
	Interstate		Bureau of Land Management
	Major Road		U.S. Forest Service
	Road		Department of Defense
	Railroad		Federal
	Proposed Sunrise 230kV Overhead		U.S. Fish and Wildlife
	Proposed Sunrise 230kV Underground		National Park Service
	Proposed Sunrise 500 kV Overhead		Department of Homeland Security
	Native American		State
	Bureau of Land Management		Major Water Body
	U.S. Forest Service		Desert Range
	Department of Defense		State Park Boundary
	Federal		Cleveland National Forest Congressional Boundary
	U.S. Fish and Wildlife		Native American Reservation Boundary
	National Park Service		County Boundary

Note: Sunrise Data Represents the May 12, 2010 PMR alignment



**Figure 1**  
**Environmentally Superior Southern Route (FESSR)**  
**Sunrise Powerlink Alignment**  
 California, USA

1:499,528  
 1 inch = 41,627 feet

0 4.5 9 18 Miles  
 0 4 8 16 24 32 Kilometers

**SUNRISE POWERLINK:  
NOTIFICATION AND/OR REQUEST FOR CHANGE IN CONSTRUCTION ACTIVITY  
“WATERS OF THE US” AND “WATERS OF THE STATE”**

Corps of Engineers File Number: SPL-2007-00704-SAS  
State Water Resources Control Board File Number: SB09015IN  
Department of Fish and Game Notification Number: 1600-2009-0365-R5

<b>Date Filed:</b>	<b>6 July 2011</b>		
<b>Submitted by:</b>	WRA, Inc. 2169-G East Francisco Blvd San Rafael, CA 94901 Contact: Michael Josselyn, PhD Tel: (415) (454)-8868 x 125 josselyn@wra-ca.com		
<b>SDG&amp;E Staff Contact:</b>	Amethyst L. Cruspero Compliance Specialist - Sunrise Powerlink Project 1010 Tavern Road; Alpine, CA 91901 - SD1116 Tel: (858) 654-1624 acruspero@semprautilities.com		
<b>Applicable Permit Condition</b>	<u> X </u> <b>NWP 12</b> <u> X </u> <b>401 Water Quality Cert</b> <u> X </u> <b>Streambed Alteration Agt</b>		
<b>Location:</b>	<b>Mapsheet #</b>	<b>Structure or Facility</b>	<b>Water #</b>
	<b>MS-12</b>	<b>EP322-1, EP323-1, EP324</b>	<b>12-DW-2</b>
<b>Type of Project Impact Associated with Change</b>	<u> </u> <b>Permanent impact</b> <u> X </u> <b>Temporary impact</b> <u> </u> <b>Other</b>		
<b>Description of Change</b>	<p>Exhibit 1 shows the changes and the previously-approved location and configuration of Project impact areas at the three tower sites.</p> <p>At EP322-1, the contractor would reconfigure the temporary work area to eliminate the northwestern corner (i.e., the portion of the work area in the dry wash).</p> <p>At EP323-1 and EP324, the contractor would change the type of foundation from micropile to standard concrete, change the method of construction from helicopter to conventional, and add a temporary access road to each site. Except for the access roads, the impact areas for construction activities for the towers would remain as planned (i.e., the structure sites and work areas would not increase in size).</p> <p>The access road to EP323-1 would extend approximately 240 linear feet (lf) from the temporary wire stringing site to the structure work area. Douglas-fir mats would be placed on the entire length of the road.</p> <p>The access road to EP324 would extend approximately 993 lf from an existing SWPL access road to the structure work area. Douglas-fir mats would be placed on the portion of the road within 12-DW-2 (approximately 280 lf).</p> <p>The purpose of the Douglas-fir mats is to reduce the ground disturbance in the dry wash that otherwise would occur in connection with construction and use of the temporary access roads. The mats that the contractor would use are 8 inches thick by 4 feet wide by 16 feet long. Exhibit 2 includes three photographs that are representative of the shape and construction of the mats.</p>		

	<p>To safely set down the mats and have them remain securely in place, a minimum width of 12 feet of relatively flat ground is required. Where present, vegetation would be cleared or crushed. On the access road to EP323-1, uneven terrain would be smoothed using a skid steer. Where mats are used on the access road to EP324, uneven terrain would be smoothed by hand grading crews. During smoothing operations on both access roads, fiber rolls would be placed as needed on the downslope side to protect the dry wash from displaced soils. Once the mats are in place, the fiber rolls would be removed. It is estimated that the Douglas-fir mats would remain in place on both roads for approximately 4 months.</p> <p>After construction at EP323-1 and EP324 is complete, the Douglas-fir mats would be removed and the entire length of both temporary roads will be restored to pre-construction conditions. Maintenance of both structures would occur by helicopter as originally planned.</p>
<p><b>Reason for Change</b></p>	<p>The change to the temporary work area at EP322-1 is proposed to partially offset the increase in temporary impacts to 12-DW-2 from the addition of temporary access roads to EP323-1 and EP324.</p> <p>The change in foundation type at EP323-1 and EP324 is proposed because:</p> <ol style="list-style-type: none"> <li>1. There is a high potential for scouring at both sites because of their location within a dry wash;</li> <li>2. Upgrading the micropile foundations to handle the scouring would substantially increase the duration of construction activities and the amount of materials required at each site; and</li> <li>3. Traditional foundations have less potential than micropiles to be affected by scouring.</li> </ol> <p>The change in construction method is proposed because construction of traditional foundations requires different and more equipment than required for micropiles. The temporary access roads are needed to transport equipment to the site and are part of the change in construction method.</p>
<p><b>Effect on Waters of US and/or Waters of the State</b></p>	<p>The reduction in the size of the EP322-1 work area and the addition of access roads to EP323-1 and EP324 will result in a net increase of 0.10 ac of temporary impacts to Waters of the US and Waters of the State in 12-DW-2. The change increases total Project temporary impacts to all dry washes from 6.53 acres to 6.63 acres. The change does not increase or decrease permanent impacts to 12-DW-2; the Project's total permanent impacts to all dry washes would remain the same.</p> <p><b>EP322-1 Temporary Work Area Reduction:</b>  Original Area = 0.92 AC (40,000 SF)  Area in Dry Wash = 0.08 AC (3,455 SF)  New Reduced Area = 0.84 AC (36,545 SF)</p> <p><b>EP323-1 Temporary Road Impacts Increased:</b>  Area in Dry Wash (Matting) = 0.08 AC (3,324 SF)  Total Road Area = 0.08 AC (3,324 SF)  Total Length of Road = 210 LF</p> <p><b>EP324-1 Temporary Road Impacts Increased:</b>  Area in Dry Wash (Matting) = 0.10 AC (4,432 SF)  Total Road Area = 0.36 AC (15,874 SF)  Length of Road (Matting) = 280 LF</p>



	Total Length of Road = 993 LF Net Increase in Temporary Impacts: 0.1 acre
<input checked="" type="checkbox"/> Acknowledgement or <input type="checkbox"/> Approval of Request	_____ <b>Signature</b> <span style="margin-left: 200px;">_____</span> <span style="margin-left: 200px;"><b>Date</b></span>

Corps Fax: 760-602-4848  
 Attn: Shanti Santulli

State Board Fax: 916-341-5621  
 Attn: Cliff Harvey

DFG Fax: 858-467-4299  
 Attn: Kelly Fisher

**EXHIBIT 1: Mapsheet 12**



SUNRISE POWERLINK<sup>®</sup>

**Legend**

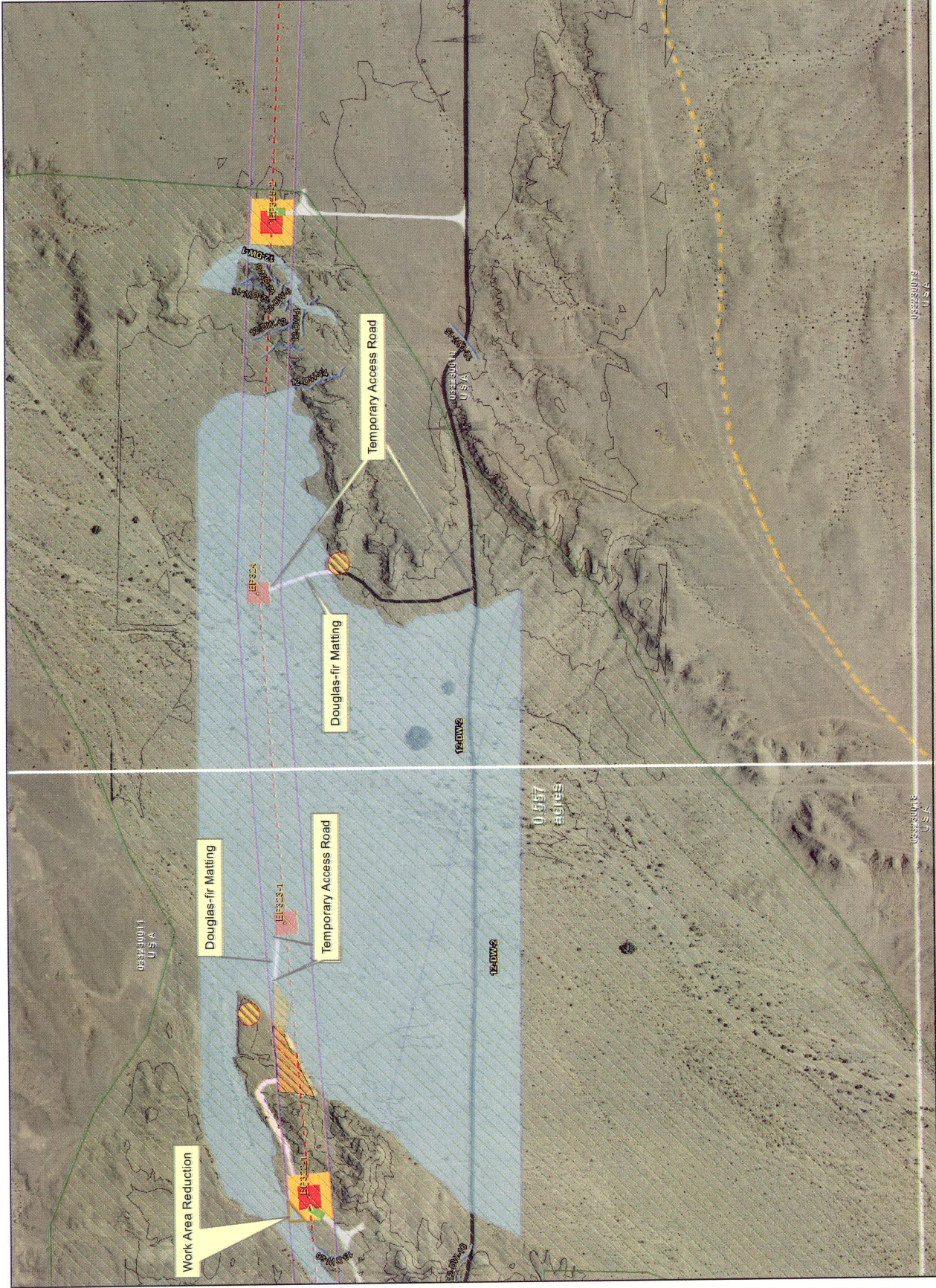
- Parcel Boundary
- HUC 12
- Single Wetland
- Wetland Sampling Point
- Information Point
- Information Point
- Information Line
- Debraed Stream
- Survayed Perennial Stream
- Survayed Epithermal Stream
- Survayed Intermittent Stream
- Riparian
- Wetland
- Dry Wash
- SRPL - Contention
- SRPL - Right of Way
- SRPL - Permanent Impacts
- New Access Roads
- Existing Access Road Make Improvements
- Footings
- Manoeuvre Pad
- Structure Impact Area
- Structure Substitution Impacts
- TS&P
- Permanent Clearing
- SRPL - Temporary Impacts
- New Temporary Soils
- Construction Yard
- Garage Area
- Spring Site Area
- Work Area
- Temporary Grading
- Existing Access Road No Improvements
- Contour (10 ft.)

\*Acreage # represents total impacted acreage for each single and complete project waterbody.

0 100 200 400 Feet

1 inch = 400 feet

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## **EXHIBIT 2: Photographs of Douglas-fir Matting**

Note: The mats in the three photographs are 12 inches x 48 inches x 20 feet. The mats that will be used are 8 inches x 48 inches x 16 feet.





