

# REVISED MINING RECLAMATION PLAN

REPLACES

PREVIOUSLY APPROVED BY SANTA BARBARA COUNTY  
AS 02-RPP-00000-00001

for

ELLWOOD RANCH QUARRY  
SANTA BARBARA SAND & TOPSOIL

GOLETA AREA  
SANTA BARBARA COUNTY

COUNTY CASE NO.  
18RVP-00000-00016  
CALIFORNIA MINE ID #91-42-0020

ASSOCIATED CASE NO. 17RVP-00000-00082 to  
02CUP-00000-00006

INITIAL SUBMITTAL: 12/13/17

FINAL APPROVAL DATE:

PREPARED BY:  
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i



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B. **MINE OPERATOR AND RECLAMATION PLAN APPLICANT**

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## FOREWORD

This document has been prepared to comply with the Surface Mining and Reclamation Act (SMARA) and Santa Barbara County Code. This particular mining operation was originally approved under 86-CP-060 and 86-RP-003 with subsequent revisions in 2002. This revision is intended to extend the termination date of the operation and update the current CUP (02CUP-006) and Reclamation Plan. This plan supersedes all such prior permits/plans.

This Reclamation Plan covers a site for sand removal operated by Santa Barbara Sand and Topsoil Corp. The total area of mining activity consists of about 12 acres.

The following Assessor's Parcel encompasses the site:

79-100-17

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## **I. INTRODUCTION**

### **A. PURPOSE**

This document has been prepared to comply with the Surface Mining and Reclamation Act of 1975 (SMARA) and Santa Barbara County Land Use and Development Code. This Reclamation Plan addresses reclamation of past, present and future mining of the site.

### **B. OBJECTIVES AND SCOPE OF CONTENT**

Section 2712 of SMARA establishes the intent of the legislature as follows:

It is the intent of the Legislature to create and maintain an effective and comprehensive surface mining and reclamation policy with regulation of surface mining operations so as to assure that:

- (a) Adverse environmental effects are prevented or minimized and that mined lands are reclaimed to a useable condition which is readily adaptable for alternative land uses.
- (b) The production and conservation of minerals are encouraged, while giving consideration to values relating to recreation, watershed, wildlife, range and forage, and aesthetic enjoyment.
- (c) Residual hazards to the public health and safety are eliminated.

The Reclamation Plan, consisting of this written document, exhibits, maps, tables and plan, will provide a description of the manner in which reclamation, adequate for the proposed end use, will be accomplished at the termination of the mining operation.

## PROJECT DESCRIPTION

The applicant requests approval of this Revised Reclamation Plan, 17RVP-00000-00082, to allow additional time to complete mining operations. This revised plan updates the existing plan to comply with current State and County regulations. No substantial changes are proposed to the mining operation or reclamation activity as originally approved other than to extend the termination date of mining to December 31, 2043.

The Ellwood Ranch Quarry has been operated by Santa Barbara Sand and Topsoil Corp. since its inception in 1987 and is the source of Vaqueros Yellow Sand. The sand is typically used for backfill and bedding but also has uses in containing and cleaning chemical spills.

Access to the mining site is via Ellwood Canyon Road and a private paved road. No changes to the access route, road improvements or infrastructure are proposed. No substantial changes are proposed to the original features of the reclamation plan, the mining operations, level of use, hours of operation or end use. As discussed below, the truck traffic limitation included in the original permit has been clarified.

The mine is operated Monday through Friday, except national holidays, from 7:00 am to 4:30 pm. The days and hours of operation may be extended in the event of an emergency or special request by Santa Barbara County. Truck trips are limited to an annual average of 96 trips (48 trucks in and 48 out) per day and a total of 13,440 round trips per year. It is possible that during a particularly large construction project or during an emergency the daily average would be exceeded, with prior notice to Santa Barbara County; however, on an annual basis no more than 96 trips average per day would result. The condition stated in 86-CP-60 is as follows:

"The owner of the property and the operator of the sand quarry, Santa Barbara Sand & Topsoil, shall limit diesel sand transport trucks to 96 per day (48 trips in and 48 trips out), with a total of 13,440 trips/year, both during the transition period when the existing sand pit and the new quarry operate concurrently and during full operational phase of the new quarry. Operations would occur weekdays excluding holidays, except in emergencies involving threat to public health, safety or welfare. The operator shall inform RMD in writing of a response to such an emergency."

A number of items have been completed as was required by the original approval of 86-RP-003 and 86-CP-060. These include:

1. Private road through Bradley parcel widened to 20'
2. Stop sign installed
3. Loaded trucks are watered to control dust
4. Archaeology studies completed
5. Truck parking area established
6. Fence along west side installed
7. Oak trees planted (approximately 225 oak trees on 4 acres)
8. Surety posted
9. Desilting basins installed (1 at mine, 1 at truck parking)
10. Edison transmission line relocated

Approximately 332,314 cubic yards of sand are estimated to be remaining on this site (within limits originally approved under 86-RP-003) which are projected to entail about 25 years of mining as described below. This plan, therefore, would extend permits to December 31, 2043.

# **HISTORIC QUANTITY OF SAND EXPORTED**

<u>YEAR</u>	<u>CUBIC YARDS</u>	<u>YEAR</u>	<u>CUBIC YARDS</u>
1987	0	2002	28,834
1988	0	2003	24,403
1989	0	2004	23,481
1990	0	2005	24,198
1991	0	2006	26,155
1992	12,477	2007	31,700
1993	30,538	2008	15,500
1994	26,728	2009	11,548
1995	25,285	2010	8,348
1996	49,224	2011	11,002
1997	61,046	2012	9,616
1998	121,325	2013	8,412
1999	52,044	2014	8,970
2000	40,190	2015	10,727
2001	38,366	2016	11,616
Total	711,813		

AVERAGE/YEAR (1992-2016) = 28,472 cubic yards

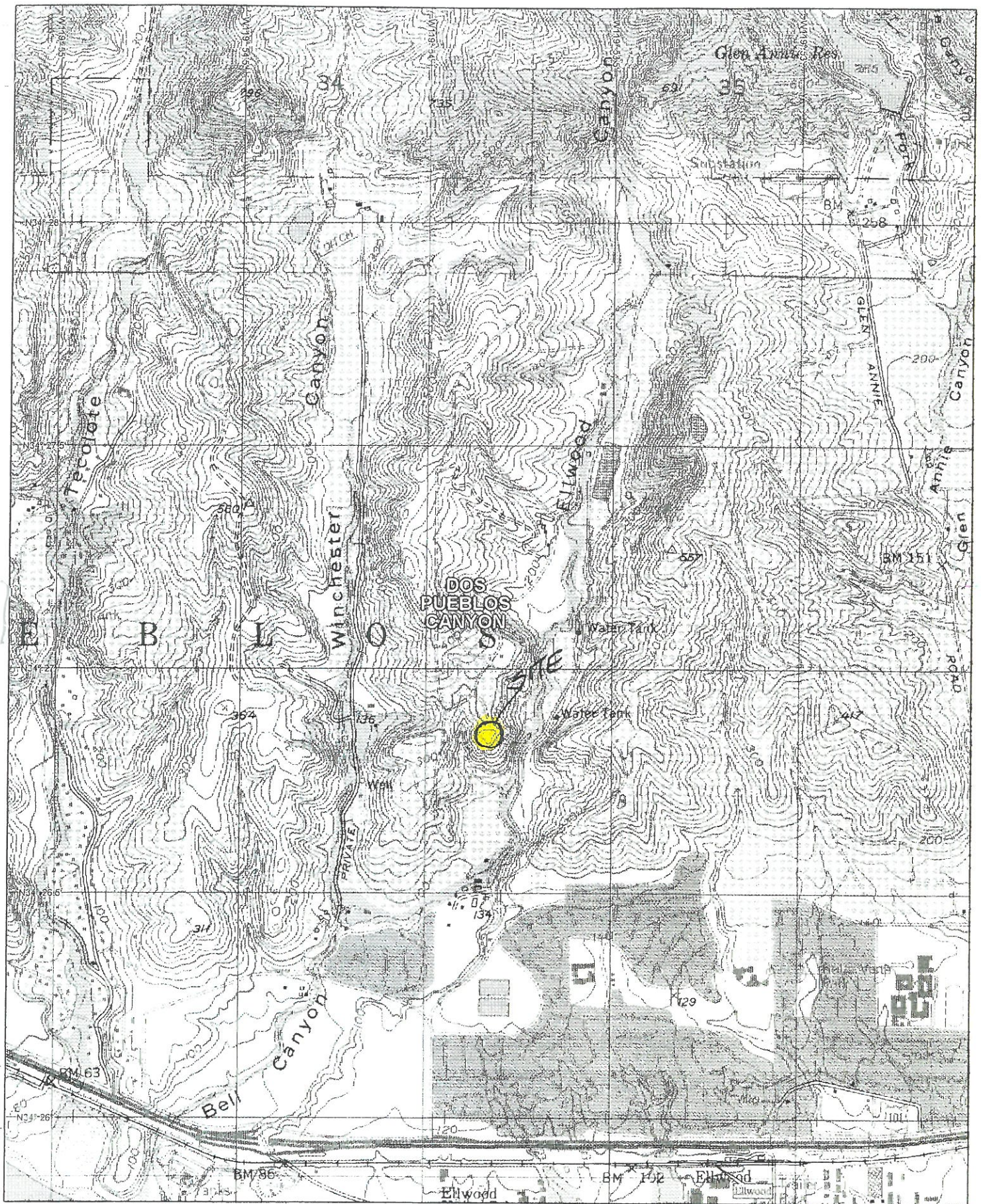
A total export volume of 1,135,000 CY was originally calculated for this mine. Approximately 332,314 CY remains. At the historic average export rate of 28,472 CY per year, it is projected that 12 years would be needed to complete the mining activity. This is not realistic based on current trends in the market place. A better estimate for ongoing production would be the last 10 years. From 2007 through 2016, a total production of 127,519 CY was generated, for an annual average of about 13,000 CY. Based on this production rate, a total of 25 years is proposed for the extended life of this mine. Reclamation would occur on a phased basis (3 phases total) as each proposed phase is closed to mining. The phasing is shown on Exhibit E. Phase 1 is complete and reclaimed. Upon termination of the mining activities, on or before December 31, 2043, final reclamation work would proceed to completion within 24 months.

Reclamation activities would include finish grading of the mine site to create final slopes at 2:1 maximum gradient with intervening terraces and a level pad at the bottom-most elevation of the mine. The slopes would be seeded and planted for open space/wildlife habitat, and the terraces and pad would be used for agricultural crops/orchards. Details and methods of reclamation are provided in the following sections and Exhibits attached.

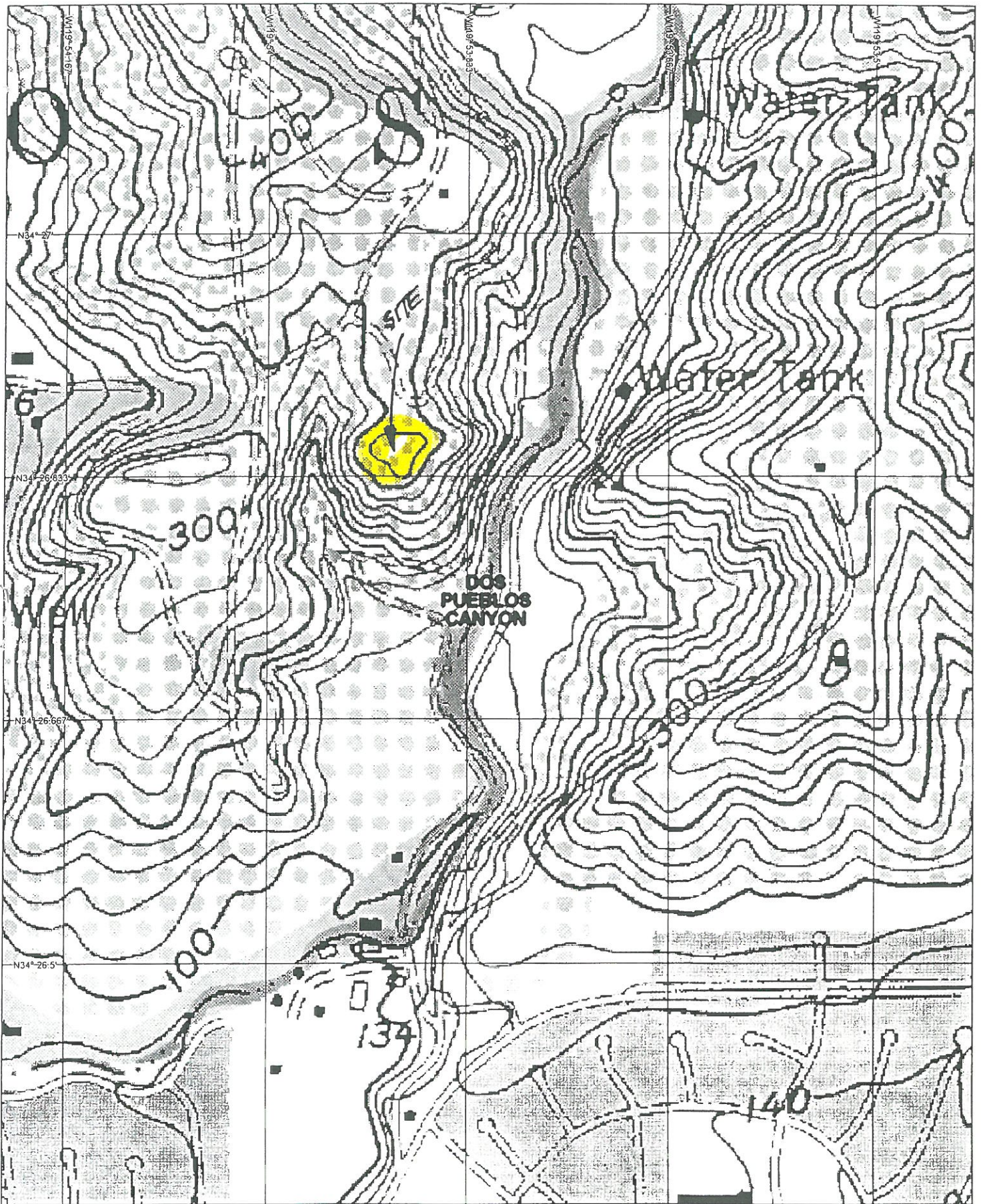


















# itled Map

description for your map.



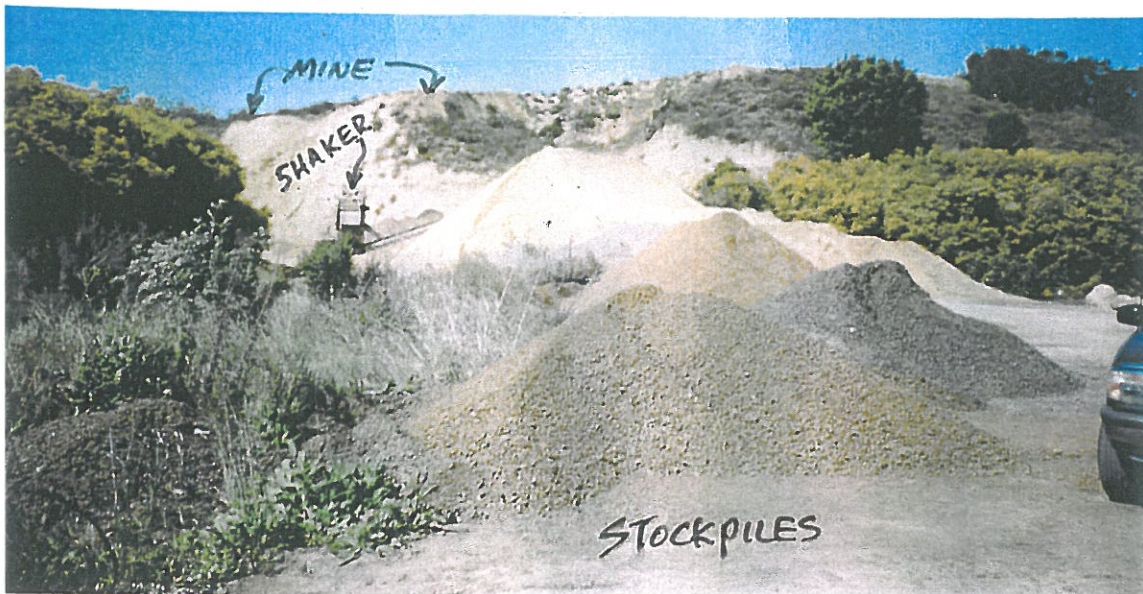
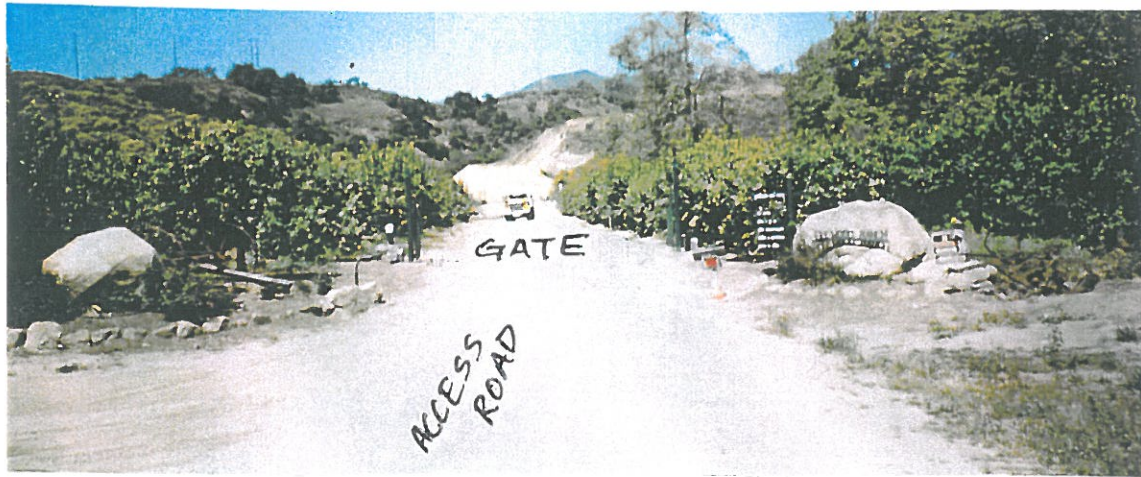
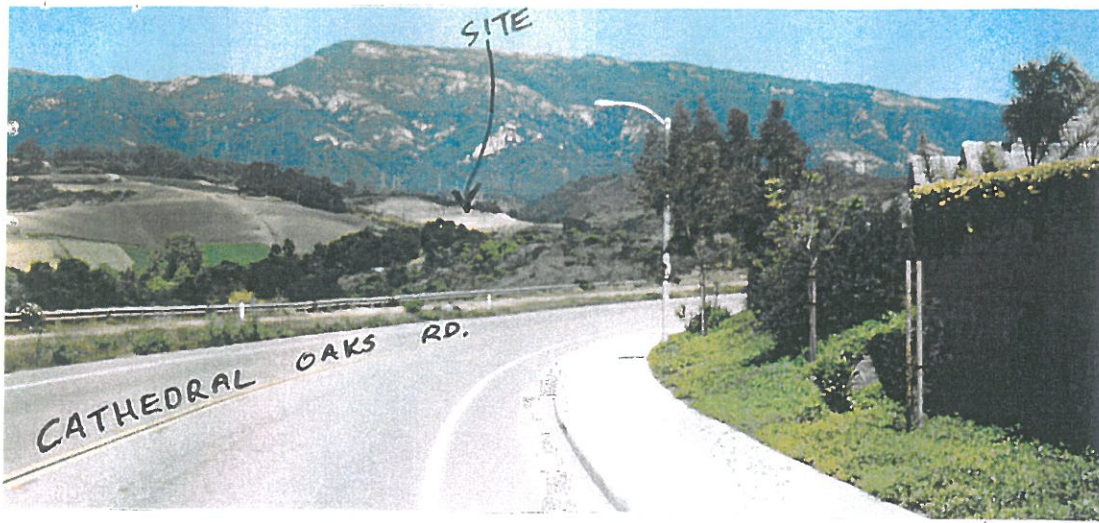


# itled Map

description for your map.











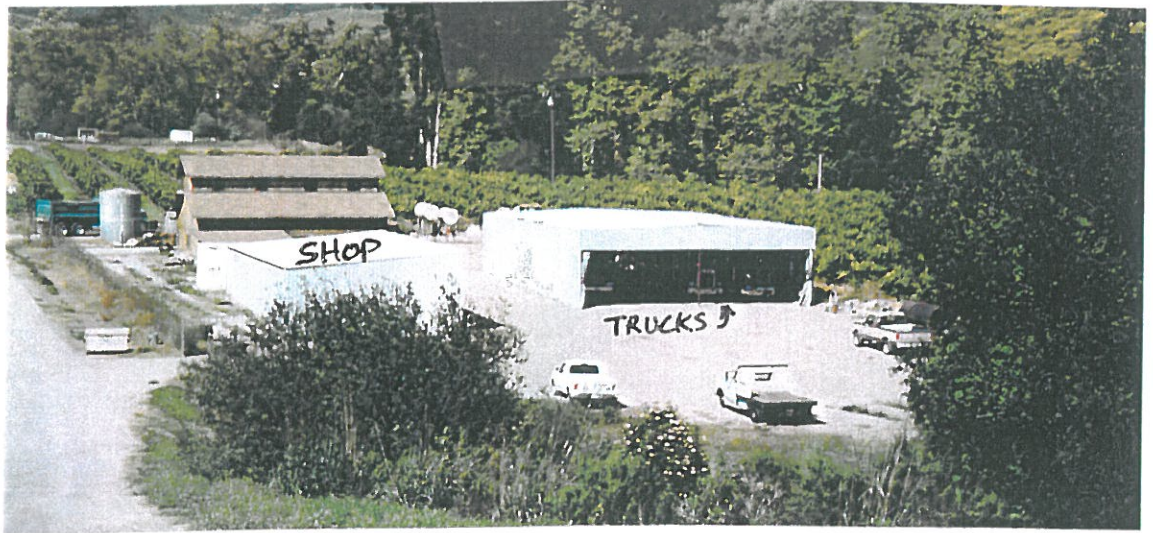
PANORAMA LOOKING SOUTHERLY FROM TOP OF MINE





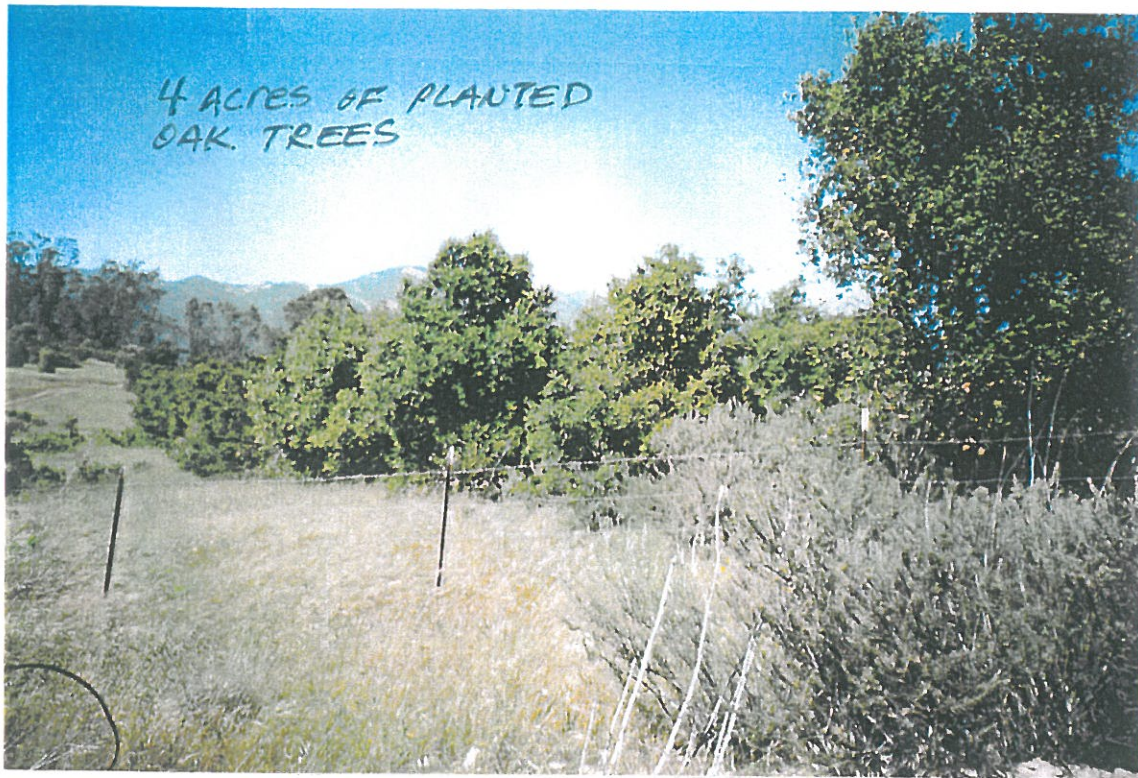


EXISTING  
SILT  
BASIN  
AT MINE



EXISTING  
SILT  
BASIN  
AT  
TRUCK  
PARKING





## **SURFACE MINING AND RECLAMATION ACT OF 1975 - SEC. 2772(c)**

The following sections provide information required by Section 2772(c) of Public Resources Code, Division 2, Chapter 9 for the Ellwood Ranch Quarry Reclamation Plan.

### **1. Name and Address of Operator and Agent**

#### **OPERATOR AND AGENT**

Santa Barbara Sand and Topsoil Corp.  
P.O. Box 4824  
Santa Barbara, CA 93140  
966-3909  
Attn: Vic Batastini

### **2. Quantity and Type of Minerals for Which the Surface Mining Operation is to be Conducted 2772(c)(2)**

The mining operation has been ongoing at this location since 1987. An annual average of 28,472 cubic yards of material has been mined. The mined material consists of yellow sand, which is used for a variety of construction activities. Going forward, an extraction rate of 13,000 CY per year has been projected.

A total of approximately 332,314 cubic yards of sand currently remains available for mining. Based on an extraction rate of 13,000 CY/year, mining is estimated to continue to December 31, 2043.

### **3. Dates for the Initiation and Termination of Mining Operation 2772(c)(3)**

Santa Barbara Sand and Topsoil began its current operation in 1987, although actual material export did not occur until 1992, and is now projected to extend through the year 2043. It is possible, depending on market demand, that mining could continue beyond 2043 or that mining would terminate prior to 2043. For purposes of this reclamation plan, the termination date is December 31, 2043. Continuation of mining beyond the termination date would require a revision to the reclamation plan and conditional use permit.

### **4. Maximum Anticipated Depth of the Surface Mining Operation 2772(c)(4)**

The maximum depth of mining would be 170 feet from premined conditions. The maximum depth of mining from current conditions would be 100 feet.

### **5. Site Description**

#### **a. Quarry Size**

The total acreage contained within the property, owned by Ellwood Ranch, Inc., is approximately 191 acres. Of this total, only about 12 acres is used for the sand mining operations. Of that, approximately 10 acres is the mine.

#### **b. Legal Description of the Lands That will be Affected by Such Operations**

**Assessor's Parcel No. 79-100-17 - See following Grant Deed**

the following described real property in the  
County of **Santa Barbara**

, State of California:

**55020**

DOTY LANDS

PARCEL ONE

The south half (S 1/2) of the southwest quarter (SW 1/4) of Section 26; the east half (E 1/2) of the southeast quarter (SE 1/4) and the southeast quarter (SE 1/4) of the northeast quarter (NE 1/4) of Section 34; and the west half (W 1/2) of Section 35; all in Township 5 North, Range 29 West, San Bernardino Base and Meridian, in the County of Santa Barbara, State of California.

PARCEL TWO

That portion of the Rancho Los Dos Pueblos, in the County of Santa Barbara, State of California, according to the map "of portions of the Ellwood Ranch-being the property of Russel E. Doty, et al." filed June 2, 1954 in Book 34, page 39 of Record of Surveys, in the office of the County Recorder of said County, described as follows:

Beginning on a 3/4 inch pipe at the Northeasterly corner of the tract of land in the Deed to Will C. Hart, recorded in Book 855, page 478 of Official Records, and shown in Book 29, page 135 of Record of Surveys; then for three (3) courses along the Northerly line of said Hart tract:

1st, North 66° 54' West 391.50 feet to a 3/4 inch pipe;  
2nd, North 44° 03' West 289.43 feet to a 3/4 inch pipe; and  
3rd, North 80° 17' 40" West, 652.89 feet to a 3/4 inch pipe  
at the Northeasterly corner of the tract of land in the  
Deed to Will C. Hart, recorded in Book 1245, page 143 of  
Official Records;

thence 4th, along the Northerly line of last mentioned  
Hart tract, North 80° 17' 40" West 69.54 feet to a 1/2  
inch pipe at the Southeasterly corner of the tract of  
land in the Deed to F. E. McPhillips and Jean McPhillips,  
recorded in Book 1766, page 432 of Official Records;

then for Three (3) courses along the Northerly line of  
said McPhillips Tract:

5th, North 26° 53' 10" West 243.72 feet to a 1/2 inch  
pipe;



6th, North 85° 40' 10" West 231.47 feet to a 1/2 inch pipe; and  
7th, North 72° 19' 10" West 325.66 feet to a 3/4 inch pipe in the Northeasterly line of the tract of land in the Deed to F. E. McPhillips and Jean McPhillips, recorded in Book 1082, page 164 of Official Records;

then for four (4) courses along said Northeasterly line:  
8th, North 46° 07' West 168.36 feet to a 3/4 inch pipe;  
9th, North 0° 54' West 119.16 feet to a 3/4 inch pipe;  
10th, North 89° 06' East 119.54 feet to a 3/4 inch pipe;  
and  
11th, North 0° 54' West 159.84 feet to a 2 inch iron pipe monument in the Southerly line of Parcel Number Two in the Deed to Frances B. Lillard, formerly known as Frances B. Doty, recorded in Book 1289, page 477 of Official Records;

thence 12th, along said Southerly line, North 89° 02' East 469.54 feet to a 3/4 inch pipe in the Westerly line of the tract of land in the Deed to Citrus Ranches, Inc., a California corporation, recorded in Book 1944, page 718 of Official Records;

then for twenty-three (23) courses along the boundary of said Citrus Ranches, Inc., tract:  
13th, South 0° 55' 20" East 99.34 feet to a 1/2 inch pipe;  
14th, North 89° 02' 10" East 308.39 feet to a 1/2 inch pipe;  
15th, South 0° 57' 50" East 161.08 feet to a 1/2 inch pipe;  
16th, South 43° 40' 30" East 126.54 feet to a 1/2 inch pipe;  
17th, South 58° 56' 30" East 200.28 feet to a 1/2 inch pipe;  
18th, South 45° 00' 30" East 134.93 feet to a 1/2 inch pipe;  
19th, South 89° 23' East 93.19 feet to a 1/2 inch pipe;  
20th, North 51° 00' 15" East 89.01 feet to a 1/2 inch pipe;  
21st, North 5° 36' 20" East 91.02 feet to a 1/2 inch pipe;  
22nd, North 38° 57' 50" West 196.33 feet to a 1/2 inch pipe;  
23rd, North 8° 23' 20" West 162.63 feet to a 1/2 inch pipe;  
24th, North 85° 00' East 120.75 feet to a 1/2 inch pipe;  
25th, North 0° 56' 10" West 332.16 feet to a 1/2 inch pipe;  
26th, North 32° 07' 45" East 109.04 feet to a 1/2 inch pipe;  
27th, North 0° 59' 10" West 127.83 feet to a 1/2 inch pipe;  
28th, North 63° 51' 30" West 129.13 feet to a 1/2 inch pipe;  
29th, North 30° 09' 20" West 91.76 feet to a 1/2 inch pipe;  
30th, North 1° 08' 55" West 283.50 feet to a 1/2 inch pipe;  
31st, North 30° 42' 30" West 145.52 feet to a 1/2 inch pipe;  
32nd, North 9° 14' 30" West 190.27 feet to a 1/2 inch pipe;  
33rd, North 26° 13' 50" East 174.86 feet to a 1/2 inch pipe;

34th, North 1° 04' 05" West 254.90 feet to a 1/2 inch pipe;  
and

35th, North 59° 47' 35" West 803.60 feet to a 1/2 inch pipe at the most Northerly corner of said Citrus Ranches, Inc. tract being a point in the common boundary line between the lands of Francis G. Doty and Russel E. Doty as shown on the 'Amended Map of the Partition of Property of Francis G. Doty and Russel E. Doty "Ellwood Ranch"' filed March 13, 1947 in Book 28, pages 28, 29 and 30 of Record of Surveys; then for two (2) courses along said line:

36th, North 0° 55' 20" West 1151.72 feet to a 2 inch open pipe;  
and

37th, North 79° 18' East 1502.60 feet to a 2 inch iron pipe monument set at the Northeasterly corner of Parcel Two of the lands conveyed to Russel E. Doty by Deed recorded in Book 733, page 409 of Official Records;

thence 38th, along the Easterly line of said Russel E. Doty tract, South 0° 50' East 1282.19 feet to a 3/4 inch pipe at the Northeasterly corner of the tract of land in the Deed to Clarence A. Neal, Jr., also known as C. A. Neal, Jr. and Annie B. Neal, as joint tenants, and not as tenants in common, recorded in Book 1068, page 219 of Official Records, as shown in Book 31, page 99 of Record of Surveys;

then for sixteen (16) courses along the boundary line of said Neal tract:

39th, South 89° 50' 30" West 298.09 feet to a 3/4 inch pipe;  
40th, South 20° 35' 00" West 512.53 feet to a 3/4 inch pipe;  
41st, South 47° 07' 40" West 263.09 feet to a 3/4 inch pipe;  
42nd, South 0° 33' 50" East 219.30 feet to a 3/4 inch pipe;  
43rd, South 33° 35' 15" West 131.47 feet to a 3/4 inch pipe;  
44th, South 1° 26' 00" West 105.27 feet to a 3/4 inch pipe;  
45th, South 42° 36' 20" East 145.42 feet to a 3/4 inch pipe;  
46th, South 1° 09' 20" East 340.46 feet to a 3/4 inch pipe;  
47th, South 76° 50' 10" East 175.73 feet to a 3/4 inch pipe;  
48th, South 8° 07' 20" West 429.66 feet to a 3/4 inch pipe;  
49th, South 0° 45' 30" East 142.65 feet to a 3/4 inch pipe;  
50th, South 21° 27' 30" West 267.63 feet to a 3/4 inch pipe;  
51st, South 72° 20' 50" East 216.65 feet to a 3/4 inch pipe;  
52nd, South 26° 53' 20" East 292.22 feet to a 3/4 inch pipe;  
53rd, South 42° 40' 20" East 205.44 feet to a 3/4 inch pipe; and  
54th, North 88° 34' 50" East 188.49 feet to a 3/4 inch pipe in the Easterly line of said Parcel Two of the lands of Russel E. Doty;

thence 55th, along said Easterly line, South 0° 50' East, at 43.29 feet a 3 inch pipe filled with concrete, 514.63 feet to a point distant North 89° 10' East 40.00 feet from the point of beginning;

thence 56th, South 89° 10' West 40.00 feet to the true point of beginning.

PARCEL THREE

That certain real property lying in the County of Santa Barbara, State of California, described as follows:

Beginning at the southeast corner of the west half of Section 35, Township 5 North, Range 29 West, San Bernardino Base and Meridian; thence along the south line of the southwest quarter of said Section 35 and the north boundary of Rancho Los Dos Pueblos north  $89^{\circ} 45'$  west 2634.80 feet; thence along the southerly boundary of the east half of southeast quarter of Section 34, Township 5 North, Range 29 West, San Bernardino Base and Meridian, and along the north boundary line of Rancho Los Dos Pueblos north  $89^{\circ} 52'$  west 1292.30 feet to the westerly line of the tract of land described in deed to Manuel R. Den, recorded in Book H, Page 163 of Deeds, records of said County; thence south  $0^{\circ} 22'$  east along said last mentioned line 8476.25 feet to the most northwesterly corner of Parcel Four as conveyed to Francis G. Doty in the Partition Deed and Agreement of Francis G. Doty, and wife, with Russel E. Doty, and others, recorded in Book 733 page 409 of Official Records; thence leaving said line of said Den Tract and following along the northwesterly line of said Parcel Four above referred to the following courses and distances:

South  $48^{\circ} 54'$  east 68.35 feet; north  $70^{\circ} 38'$  east 210.65 feet; north  $42^{\circ} 28'$  east 191.45 feet; south  $89^{\circ} 02'$  east 108.63 feet; north  $53^{\circ} 40'$  east 66.65 feet; south  $70^{\circ} 49'$  east 150.79 feet; north  $80^{\circ} 51'$  east 158.74 feet; north  $5^{\circ} 29'$  east 40.10 feet; north  $30^{\circ} 59'$  west 84.58 feet; north  $13^{\circ} 55'$  east 144.05 feet; north  $7^{\circ} 41'$  west 61.67 feet; north  $68^{\circ} 43'$  east 63.40 feet; north  $37^{\circ} 29'$  east 140.84 feet; north  $66^{\circ} 11'$  east 119.35 feet; north  $14^{\circ} 33'$  east 162.06 feet; north  $31^{\circ} 30'$  west 291.30 feet; north  $32^{\circ} 25'$  west 111.76 feet; north  $12^{\circ} 44'$  east 203.65 feet; north  $36^{\circ} 35'$  east 89.50 feet; north  $62^{\circ} 27'$  east 157.74 feet; north  $20^{\circ} 21'$  west 147.74 feet; north  $13^{\circ} 57'$  east 80.41 feet; north  $10^{\circ} 57'$  west 113.12 feet; north  $19^{\circ} 07'$  east 120.79 feet; north  $86^{\circ} 21'$  east 54.32 feet; north  $15^{\circ} 19'$  east 227.90 feet; south  $80^{\circ} 43'$  east 98.31 feet; north  $47^{\circ} 09'$  east 79.43 feet; north  $53^{\circ} 40'$

east 51.83 feet; north 10°48' west 68.03 feet; north 0°17' east 57.68 feet; north 44°01' west 91.87 feet; north 3°54' west 180.57 feet; north 39°14' east 84.25 feet; north 4°28' east 58.27 feet; north 72°02' east 56.12 feet; north 30°04' east 126.95 feet; north 19°34' west 46.57 feet; north 39°05' west 120.29 feet; north 2°58' east 77.63 feet; north 33°02' east 93.52 feet; north 69°43' west 93.42 feet; north 7°55' west 99.11 feet; north 35°26' east 71.51 feet; north 84°55' east 118.00 feet; north 29°58' west 147.0 feet; north 65°17' east 183.66 feet; north 20°08' east 105.74 feet; south 63°07' east 169.27 feet; north 30°39' east 160.57 feet; north 57°00' west 83.27 feet; north 5°00' east 122.47 feet; north 51°00' east 57.75 feet; north 32°48' west 182.00 feet; north 54°31' east 89.24 feet; north 24°27' west 137.98 feet; south 86°24' west 88.27 feet; north 3°24' west 112.82 feet; north 81°49' east 129.71 feet; north 30°19' east 71.90 feet; north 36°40' west 67.37 feet; north 25°31' east 43.85 feet; north 1°39' west 116.76 feet; north 67°39' east 86.43 feet; north 57°32' east 121.12 feet; north 41°42' west 53.26 feet; north 65°39' west 167.82 feet; north 77°33' west 161.60 feet; north 8°24' east 118.00 feet; north 50°10' west 81.95 feet; north 37°50' east 89.67 feet; north 68°38' east 135.19 feet; north 31°04' east 110.13 feet; north 19°49' east 175.47 feet; north 7°20' west 176.14 feet; north 13°27' west 95.95 feet; north 29°51' east 221.86 feet; north 19°25' west 131.43 feet; north 36°36' east 255.64 feet; north 27°00' east 272.70 feet; north 87°20' east 91.82 feet to a 2 inch iron pipe monument; north 68°38' east 104.65 feet to a 2 inch

iron pipe monument; north  $10^{\circ}53'$  east 125.42 feet to a 2 inch iron pipe monument; south  $83^{\circ}39'$  east 280.53 feet to a 2 inch iron pipe monument; north  $19^{\circ}56'$  east 220.22 feet to a  $3/4$  inch survey pipe; north  $17^{\circ}21'$  east 129.87 feet to a 2 inch iron pipe monument; and east 936.17 feet to a point in the westerly line of the tract of land described in the deed to Giovanni B. Cavalletto recorded in Book 179, Page 46 of Deeds, in the office of the County Recorder of said County, said point being also the most northeasterly corner of Parcel Four as conveyed to Francis G. Doty in the Partition Deed and Agreement of Francis G. Doty, and wife, with Russel E. Doty, and others, recorded in Book 733 page 409 of Official Records; thence along the westerly line of said land described in said deed to Cavalletto north  $13^{\circ}15'$  east 1562.26 feet to the northwest corner thereof; thence north  $89^{\circ}48'$  west 273.07 feet to the point of beginning.

EXCEPTING THEREFROM THE FOLLOWING:

Beginning at a  $3/4$  inch pipe shown on said survey as Station 112 / 18; thence South  $89^{\circ}45'$  east and parallel to the North line of Rancho Los Dos Pueblos as shown on said Record of Survey, 209.00 feet to a point; thence Southerly, at right angles, 209.00 feet to a point; thence Westerly, at right angles and parallel to said North line of Rancho Los Dos Pueblos, 209.00 feet to a point; thence Northerly, at right angles, 209.00 feet to the point of beginning.

PARCEL FOUR

That portion of the Rancho Los Dos Pueblos as shown on a map entitled "Amended Map of the Partition of Property of Francis G. Doty and Russel E. Doty" - Ellwood Ranch" filed in Book 28, pages



28, 29 and 30 of Record of Surveys, in the office of the County Recorder of Santa Barbara County, California, described as follows:

Beginning on a 2 inch iron pipe monument at an angle point in the Northerly line of Parcel Four conveyed to Francis G. Doty in the Partition Deed and Agreement of Francis G. Doty, and wife, with Russel E. Doty, and others, recorded in Book 733 page 409 of Official Records, said monument at the Southwesterly end of the 78th course of the tract of land conveyed to Walker-Built Homes, Inc., a California corporation, recorded on April 29, 1963 in Book 1989 page 659 of Official Records; then for four (4) courses along the boundary line of said Parcel Four, being the 78th thru 81st courses of said Walker-Built Homes, Inc., tract; 1st, North  $19^{\circ}56'$  East 220.22 feet to a  $3/4$  inch survey pipe; 2nd, North  $17^{\circ}21'$  East 129.87 feet to a 2 inch iron pipe monument; 3rd, East, at 573.17 feet a  $3/4$  inch pipe, 936.17 feet to a 2 inch iron pipe monument; and 4th, South  $13^{\circ}15'$  West 340.04 feet to a point; thence 5th, into said Parcel Four, West 972.04 feet to the true point of beginning.

RESERVING AND EXCEPTING from all of the foregoing described property, all minerals, oil, gas and other hydrocarbon substances lying below a depth of 500 feet from the surface of said land, but without the right of entry upon the surface of said land or to a depth of 500 feet from the surface thereof for the purpose of exploring for, drilling, boring, marketing or removing such substances.

**c. A Map That Includes the Boundaries and Topographic Details of Such Lands**

See Exhibit A, which is a site plan showing the boundaries and Exhibit B, which shows topography. The boundary is also shown on the Assessor's Map, page 7.

**d. A Description of the General Geology of the Area - See Exhibit G**

**e. Detailed Description of the Geology - See Exhibit G**

**f. The Location of all Streams, Roads, Railroads and Utility Facilities Within or Adjacent to Such Lands. The Location of all Access Roads to be Constructed in Conducting Such Operations**

Small unnamed drainages adjoin the mining site; Ellwood Creek is located on the property, however is not on or adjacent to the mine site. The creek is approximately 300 feet east of the mine. Only private roadways and paths exist onsite. No railroads or public utility facilities exist onsite except for utilities serving the site itself. No new access roads are proposed to be constructed.

**g. Names and Addresses of the Owners of all Surface and Mineral Interest of Such Lands**

Ellwood Ranch, Inc.  
1300 Ellwood Ranch Road  
Goleta, CA 93117  
805-968-1162  
Attn: Ken Doty

**6. A Description of and Plan for the Type of Surface Mining to be Employed and a Time Schedule That Will Provide for the Completion of Surface Mining on Each Segment of the Mined Lands so That Reclamation can be Initiated at the Earliest Time Possible on Those Portions of the Mined Lands That will not be Subject to Further Disturbance by the Surface Mining Operation**  
**2772(c)(6)**

**a. Description of Surface Mining Operation**

**1) MINING OPERATION**

Santa Barbara Sand and Topsoil supplies the building industry with yellow sand. Material is excavated from a single mine site and trucked directly to the customer. No processing takes place onsite other than a mechanical shaker.

From 1987 to 2016, a total of 711,813 cubic yards was exported for an average annual export of 28,472 cubic yards.

The sand deposit is uniform and virtually free of other soil types. Therefore, other than overburden, there is no byproduct.

Blasting or explosives are not used or stored onsite.

Santa Barbara Sand and Topsoil maintains two 1000 gallon above ground diesel tanks. These tanks are used for both the mining operation and agricultural activities on the ranch. The tanks were installed in 1987 under the direction of the Santa Barbara County Fire Department. No permits are required for tanks under 1100 gallons.

Fixed equipment consists of the following: truck scale, office, restroom.

Mobile equipment consists of the following: 1 large loader (966G), 5 dump trucks, 1 water truck, 1 dozer (D8K), electric shaker.

Personnel consists of 6 full-time and 0 part-time employees.

## **2) Grading/Earthwork Balance**

The materials mined are shipped offsite to consumers. Waste or by-product is minimal and consists of overburden, which is stockpiled and used for reclamation of finished slopes onsite. As mining progresses, slopes are cut to final grade. Earthwork balance is achieved based on completion of mining operations.

## **3) Phased Grading and Reclamation**

The mining site has been divided into three phases. Phase I is nearly completed and reclaimed. The remaining material to be mined will complete Phase II and Phase III. As each phase of mining is completed, slopes are finished and revegetation is to be implemented. The phasing plan is shown on Exhibit E, and the estimated timeframe for phasing is described in Section b. below.

## **4) Final Reclamation 2772(c)(7)**

Upon termination of mining activities, all slopes in the mine will be finished at a 2:1 maximum slope, resoiled and planted. The areas above the slopes will be finish graded, drainage devices installed and revegetated. All equipment associated with mining and reclamation will be removed upon completion of the reclamation work. The end use of the site is agricultural orchard and open space/wildlife habitat as shown on Exhibit E.

SMARA 2772(c)(8): The areas to be used for agricultural production consist of three terraces and the ultimate quarry floor. Two terraces will be created in Phase I and one terrace in Phase II. The floor will be created upon termination of mining in Phase III. Phase I is nearly completed; Phase II not yet determined, and Phase III by December 31, 2043.



Preparation of the agricultural areas will consist of finish grading, mixing existing soil with organic compost and fertilizer and installation of irrigation. The adjoining existing agricultural activities consist of citrus groves, avocado orchard and row crops.

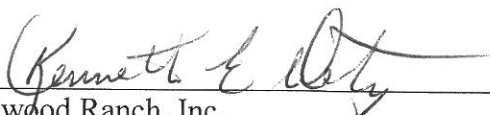
**b. Time Schedule for the Completion of Surface Mining on Each Segment so That Reclamation can be Initiated**

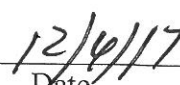
Reclamation will be ongoing as each phase is completed. Drainage devices, finished slopes, seeding and planting will occur on a phased basis consistent with the three mining phases. Phase I is nearly complete. Phase II completion is not yet determined. Phase III is projected to be completed in 2043.

**7. A Description of the Proposed Use or Potential Uses of the Land After Reclamation and Evidence That All Owners of a Possessory Interest in the Land Have Been Notified of the Proposed Use or Potential Uses.**

The proposed end use for the mine site is agricultural orchard/crops and open space/wildlife habitat as shown on Exhibit E.

**All owners of possessory interest in the property subject to this reclamation plan have been notified as to the proposed uses or potential uses of the land after reclamation.**

  
\_\_\_\_\_  
Ellwood Ranch, Inc.  
Ken Doty, President

  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Santa Barbara Sand and Topsoil Corp.  
Vic Batastini, President

  
\_\_\_\_\_  
Date

**8. A Description of the Manner in Which Reclamation, Adequate for the Proposed Use or Potential Uses will be Accomplished, Including 2772(c)(8)(A)**

**a. A Description of the Manner in Which Contaminants will be Controlled, and Mining Waste will be Disposed**

No chemicals or hazardous materials are used in the mining or processing of the materials.



## **SURFACE MINING AND RECLAMATION ACT OF 1975 - SECTION 2773.1, FINANCIAL ASSURANCES**

Santa Barbara Sand and Topsoil has established surety in the amount of \$88,838.04. This amount reflects an update in 2017 that accounts for the total area disturbed (and the physical condition of that area) through the end of 2018. See Exhibit F.

### **STATE MINING AND GEOLOGY BOARD RECLAMATION REGULATIONS SECTION 3502**

The following discussion addresses the consistency of the Ellwood Ranch Quarry Plan with applicable provisions of the State's SMARA regulations:

#### **Section 3502. The Reclamation Plan (b) Reclamation Plan Elements**

##### **1. The Environmental Setting of the Site of Operations and the Effect That Possible Alternate Reclaimed Site Conditions May Have Upon the Existing and Future Uses of Surrounding Lands 3502(b)(1)**

The mine site operation is located on about 12 acres within a 191 acre parcel. The larger parcel is part of the yet larger ranch known as Ellwood Ranch. Ellwood Ranch operates lemon, orange and avocado orchards, including the area adjacent to the mine. In addition, there is cattle grazing and native habitat throughout the 915 acre ranch. The proposed reclaimed site will establish uses consistent with surrounding uses and similar to the premined condition.

##### **2. The Public Health and Safety, Giving Consideration to the Degree and Type of Present and Probable Future Exposure of the Public to the Site 3502(b)(2)**

Customers are not exposed to mining hazards because of the setback from the customer service area and the mine. In addition, the operator practices safe working conditions, and the mine entrance is gated during non-operating hours.

##### **3. The Designed Steepness and Proposed Treatment of the Mined Land's Final Slopes Shall Take Into Consideration the Physical Properties of the Slope Material, its Probable Maximum Water Content, Landscaping Requirements, and Other Factors. In All Cases, Reclamation Plans Shall Specify Slope Angles Flatter than the Critical Gradient for the Type of Material Involved. Whenever Final Slopes Approach the Critical Gradient for the Type of Material Involved, Regulatory Agencies Shall Require an Engineering Analysis of the Slope Stability. Special Emphasis on Slope Stability and Design Shall be Necessary When Public Safety or Adjacent Property May be Affected. 3502(b)(3)**

Final slopes will be at a 2:1 (horizontal to vertical) maximum gradient consistent with the Santa Barbara County Grading Ordinance standards. The sandstone cut slopes that would remain would be stable at this slope angle.

**4. Areas Mined to Produce Additional Material for Backfilling and Grading, as Well as Settlement of Filled Areas, Shall be Considered in the Reclamation Plan. Where Ultimate Site Uses Include Roads, Building Sites, or Other Improvements Sensitive to Settlement, the Reclamation Plans Shall Include Compaction of the Fill Materials in Conformance with Good Engineering Practice. 3502(b)(4)**

All reclamation grading will take place within the mine site. All grading shall meet the minimum requirements of Santa Barbara County Grading Ordinance and this reclamation plan (See Exhibit D). Roads, building sites or other improvements are not proposed, as they all exist in accordance with the original approval of 86-RP-003.

**5. Disposition of Old Equipment 3502(b)(5)**

Upon termination of mining and reclamation activities, all mining equipment will be removed from the property. The truck scale, truck parking, shop, fuel tanks, restroom and office will remain for ranch use. The shaker is mobile and would be trucked offsite.

**SURFACE MINING AND RECLAMATION ACT OF 1975 REGULATIONS, ARTICLE 9, RECLAMATION STANDARDS**

The following sections provide discussions of the compliance of the Ellwood Ranch Quarry Reclamation Plan with the applicable provisions of SMARA Regulations, Article 9, Reclamation Standards.

**Section 3703 - Performance Standards for Wildlife Habitat**

**a. Rare, Threatened or Endangered Species Shall be Conserved**

No rare, threatened or endangered species are known to exist on the quarry site. This reclamation plan will provide for the re-establishment of vegetated habitat on portions of the mined lands. See Exhibit E.

**b. Wildlife Shall be Established on Disturbed Land in a Condition at Least as Good as That Which Existed Before the Lands Were Disturbed by Surface Mining Operations**

In addition to revegetating the mined area and establishing agricultural uses, the mining operator has planted 225 oak trees to enhance existing oak woodland habitat as mitigation for the initial and future disturbance to the site since 1987. Additional oaks have been planted as part of the Phase I revegetation plan. See Exhibit E.

**c. Wetland Habitat Shall be Avoided. Any Wetland Habitat Impacted as a Consequence of Surface Mining Operations Shall be Mitigated at a Minimum of One to One Ratio for Wetland Habitat Acreage and Wetland Habitat Value**

No wetland habitat would be disturbed by mining or reclamation activities.



**Section 3704 - Performance Standards for Backfilling, Regrading, Slope Stability, and Recontouring**

- a. Where Backfilling is Proposed for Urban Uses (e.g., Roads, Building Sites, or Other Improvements Subject to Settlement), the Fill Material Shall be Compacted in Accordance With Section 7010, Chapter 70 of the UBC, or the Local Grading Ordinance**

No backfilling is proposed as part of this reclamation plan for urban type uses.

- b. Where Backfilling is Required for Resource Conservation Purposes, Fill Material Shall be Backfilled to the Standards Required for the Resource Conservation Use Involved**

Topsoil will be spread over the finished slopes as needed in a loosely compacted manner suitable for planting. The standard for compaction shall be approximately 80% relative density.

- c. Piles or Dumps of Mining Waste Shall be Stockpiled in Such a Manner as to Facilitate Phased Reclamation. They Shall be Segregated From Topsoil, etc.**

Topsoil is stockpiled in an area separate from mining materials. The topsoil is used, as needed, for reclamation activity. No waste material is generated.

- d. Final Reclaimed Fill Slopes Shall Not Exceed 2:1 (Horizontal to Vertical), Except With Support of Geologic and Engineering Analysis**

Any fill slopes shall be constructed at 2:1 (horizontal to vertical) or flatter. It is not expected that fill slopes will be needed.

- e. At Closure, All Fill Slopes, Including Permanent Piles or Dumps of Mine Waste and Overburden, Shall Conform With the Surrounding Topography and/or Approved End Use**

Final reclaimed slopes have been designed to be compatible with the designated end use, i.e., private open space/wildlife habitat.

- f. Cut Slopes, Including Final Highwalls and Quarry Faces, Shall Have a Minimum Slope Stability Factor of Safety That is Suitable for the Approved End Use and Conform With the Surrounding Topography and/or Approved End Use**

All cut slopes shall be constructed at 2:1 maximum gradient. This slope gradient in the Vaqueros Sandstone meets the minimum factor of safety for stability. These slopes are compatible with Santa Barbara County guidelines and existing slopes in the area.

- g. Permanent Placement of Piles or Dumps of Mining Waste and Overburden Shall Not Occur Within Wetlands, Unless Mitigation Acceptable to the Lead Agency Has Been Proposed to Offset Wetland Impacts and/or Losses**

No piles or dumps of mining waste or overburden have been nor will be placed within any wetlands. Upon completion of reclamation activities, no piles will remain.

### **Section 3705 - Performance Standards for Revegetation**

#### **a. Suitable Vegetative Cover Shall be Provided**

A revegetation plan has been developed. All finished slopes will be seeded with native plants, in addition to planting oak trees in Phase I. All terraces and pads will be put into crop production and/or planted orchards. Details of that plan are shown on Exhibit E.

Revegetation Monitoring: The total monitoring period from end of planting through the self-sustaining period shall be at least five years or until the revegetation standards have been met. It is required that monitoring will continue at least two full years after irrigation has been terminated.

Revegetation Performance Standards: In addition to the revegetation standards presented in Exhibit E, criteria for cover, density and species richness follows. Cover at the end of five years shall be at least 60%. Density shall be 100 plants or seedlings per 200 square feet at the end of five years. Species richness shall be five species per 200 square feet at the end of five years.

The total area to be revegetated is approximately 3.9 acres. In order to provide an 80% confidence level that the above criteria has been achieved, it will be necessary to analyze 14 sample areas randomly spaced throughout the revegetated zone. Each sample area shall encompass 200 square feet. The sample areas shall be staked and identified, enabling the monitor to analyze the same sample areas throughout the monitoring phase.

#### **b. Test Plots Shall Be Provided**

Of the 10 acres to be mined (at the end of Phase III) 6.2 acres are to be reclaimed as agricultural production. Only 3.9 acres will be reclaimed as revegetated slopes. Approximately 4 acres were planted with 225 oak trees as full mitigation for loss of habitat on the entire 10 acres. Those oak trees were planted around 1992 and have demonstrated the ability for these plants to succeed. Additionally, Phase I is nearly complete with final slope contouring, oak tree planting and seeding. Phase I slope revegetation serves as the test plot for the remaining slopes in Phases II and III. Its success has been demonstrated. All criteria for soil preparation, planting, maintenance, monitoring, and criteria for success is detailed in Exhibit E.

#### **c. Where Surface Mining Activities Result in Compaction of the Soil, Ripping or Disking Shall Be Used in Areas to Be Revegetated**

The mining activities actually result in looser granular soils; however, should areas become compacted, they are to be ripped and/or disked to create a density not greater than 85% relative compaction in the top 6" soil zone. Topsoil is to then be placed to the same density and planted.

**d. Prior to Closure All Access Roads Shall Be Stripped of Roadbase Materials**

All access roads related to the mining operation also serve as access roads for agricultural activities on the ranch. Therefore, all access roads are to remain for ongoing ranch activities.

**e. Temporary Access for Exploration Shall Not Disrupt the Soil Surface Except Where Necessary to Gain Safe Access**

This mine is a well defined, concise deposit of uniform material. No exploration is proposed or contemplated. Therefore, no temporary access will be constructed.

**f. Soil Analysis Shall Be Used to Determine Elements Needed for Plant Growth**

The prior success of the 225 oak trees, the surrounding native vegetation and what will be demonstrated on the test plot of Phase 1 is evidence that the existing soils are adequate and suitable to maintain healthy growth. Soil analyses will be conducted in the event that success is not achieved in Phase 1.

**g. Native Plant Species Shall Be Used**

The planting plan uses native plant species for this reclamation plan. See Exhibit E.

**h. Planting Shall Be Conducted During the Most Favorable Time of Year**

Planting should generally be conducted from early October to early November.

**i. Soil Stabilizing Practices Shall Be Employed As Needed**

Upon completion of final grading and resoiling, planting will take place as soon as possible within the time frame per item (h) above.

**j. If Irrigation is Used, the Operator Must Demonstrate That the Vegetation Has Been Self-Sustaining Without Irrigation for a Minimum of Two Years Prior to Release of Financial Assurances**

Irrigation will be used temporarily to establish plants. Once established, irrigation will be discontinued and two years thereafter success of plantings will be determined.

**k. Noxious Weeds Shall Be Managed**

Weeds will be controlled and eradicated around native plantings.

**l. Protection Measures, Such as Fencing of Vegetated Areas, Shall Be Used Where Needed to Protect From Grazing, Trampling, etc.**



No livestock is kept on the mining site. Protection from grazing or trampling by wild animals would be controlled by protective fencing around planted oak trees. See Exhibit E.

**m. Success of Revegetation Shall Be Judged Based Upon the Effectiveness of the Vegetation for the Approved End Use**

Monitoring of the reclamation activities and planting program will be performed by Santa Barbara County personnel. Annual, or more frequent, inspections shall be completed, and recommendations for corrective action shall be made. The following shall be used as a basis to determine effectiveness of the revegetation plan:

The criteria for success of revegetation is detailed in Exhibit E (text).

**Section 3706 - Performance Standards for Drainage, Diversion Structures, Waterways and Erosion Control**

**a. Surface Mining and Reclamation Activities Shall Be Conducted to Protect Onsite and Downstream Beneficial Uses**

Reclamation of this site will not impact onsite or downstream beneficial uses. The existing streams will remain unchanged.

**b. The Quality of Water, Recharge Potential, and Storage Capacity of Groundwater Aquifers Shall Not Be Diminished**

The work proposed by this reclamation plan is not anticipated to create any potential impact to water quality, storage capacity or recharge potential at any groundwater aquifers.

**c. Erosion and Sedimentation Shall Be Controlled**

Slopes as shown on the reclamation plan (Exhibit D) will be cut to a 2:1 maximum gradient to assure slope stability. Slopes in the mining area are to be revegetated and terraces and pads planted for agricultural production. Siltation basins are in place to control runoff and reduce sedimentation of drainage courses.

Erosion: Annual inspections are performed by the lead agency to determine compliance with the plan and to observe any problems such as erosion. The mine has been operating since 1992 and has not experienced significant erosion. If such problems should arise, they would be corrected on a daily basis, as the operator can easily adjust his mining techniques. Additionally, the lead agency can direct corrective action as a result of its annual inspection.

Sedimentation Basin: The existing sedimentation basins were designed, constructed and accepted by Santa Barbara County in 1992± as meeting the established criteria. Since that time, over ten years of experience, the basins have performed satisfactorily and have adequately controlled discharge of silt to downstream drainages.



Final Disposition of Sedimentation Basins: Financial assurances include adequate amounts for the occasional need to maintain the basins. Upon completion of all reclamation activities and the end of all monitoring periods and upon final acceptance of reclamation by the lead agency, the maintenance of the basins will no longer be necessary and will carry no further requirements. However, it is the owner's intent and desire to continue to utilize and maintain the basins as part of his agricultural operations.

**d. Surface Runoff and Drainage From Surface Mining Operations Shall Be Controlled**

Drainage will be controlled by implementing this reclamation plan. Drainage basins, swales, ditches and devices will be installed to maintain general drainage patterns.

**Section 3708 - Performance Standards for Agricultural Lands**

The areas identified on Exhibit E as "crop/orchard" contain non-prime soils. As part of the ongoing crop and orchard activities, on the Ellwood Ranch, immediately adjacent to the mine site, use of the terraces and pad for these same activities is compatible with the long-term farming plan. Soils are consistent and irrigation supplies are established. Existing crops consist of lemon, orange, avocado and row crops. The economic viability of such crops on this ranch has been demonstrated by over 50 years of success. It is projected that three to five years will be required for orchard production.

**Section 3709 - Performance Standards for Building, Structure and Equipment Removal**

- a. All Trucks and grading equipment are stored in the designated truck storage area shown on the Reclamation Plan Exhibit D. All waste products shall be disposed of in accordance with local, State and Federal health and safety ordinances/requirements.
- b. All buildings and structures will remain and will be utilized for the ongoing farming/ranching operations at Ellwood Ranch. The truck scale will continue to be used to weigh agricultural deliveries. The mobile equipment will be sold and driven offsite to the new owners' location(s), and the shaker will be trucked offsite as well.

**Section 3710 - Performance Standards for Stream Protection, Including Surface and Groundwater**

**a. Surface and Groundwater Shall Be Protected From Siltation and Pollutants**

No chemicals or hazardous materials are used to process the mined materials. Drainage from the mine site is directed to a siltation basin. The basin is used to clarify runoff from the mine site and reduce siltation.

**b. In-Stream Operations Shall Be in Accordance With Permit Requirements**

The mining area does not encroach into the drainage courses adjoining the mine. Specifically, the westerly drainage is fairly shallow (about four to five feet deep) and its banks are unaffected by the mine. The lead agency annually inspects this area and if any corrective measures are warranted, they will be made a requirement of the operator. To-date, no such measures have been warranted.

No in-stream operations are proposed.

**c. Extraction of Sand and Gravel From River Channels Shall Be Regulated**

No mining in river channels is proposed.

**Section 3711 - Performance Standards for Topsoil Salvage, Maintenance and Redistribution**

**a. All Salvageable Topsoil Suitable for Revegetation Shall Be Removed as a Separate Layer From Areas to be Disturbed by Mining Operations. Topsoil and Vegetation Removal Shall Not Precede Surface Mining Activities by More Than One Year, Unless a Longer Time Period is Approved by the Lead Agency**

Topsoil will be removed and stockpiled onsite. As slopes are finished in phases, topsoil will be redistributed as needed on a phased basis, thus limiting the time it is stockpiled. Stockpile area is shown on Exhibit D.

**b. Topsoil Resources Shall Be Mapped Prior to Stripping and the Location of Topsoil Stockpiles Shall be Shown on a Map in the Reclamation Plan**

Topsoil is stockpiled within the mine site as shown on Exhibit D.

**c. Soil Salvage Operations and Phases of Reclamation Shall Be Carried Out in Accordance With a Schedule That: (1) is Set Forth in the Approved Reclamation Plan; (2) Minimizes the Area Disturbed; and (3) is Designed to Achieve Maximum Revegetation Success Allowable Under the Mining Plan**

The reclamation plan and prior sections herein address this requirement. See also Exhibit D.

**d. Topsoil Suitable Growth Media Shall Be Used to Phase Reclamation as Soon as Can Be Accommodated by the Mining Schedule Presented in the Approved Reclamation Plan Following the Mining of an Area. Topsoil and Suitable Growth Media That Cannot Be Utilized Where it Will Not Be Disturbed Until Needed for Reclamation shall be stockpiled. Topsoil and Suitable Growth Media Stockpiles Shall Be Clearly Identified to Distinguish Them From Mine Waste Dumps. Topsoil and Suitable Growth Media Stockpiles Shall Be Planted With a Vegetative Cover or Shall be Protected by Other Equally Effective**

**Measures to Prevent Water and Wind Erosion and to Discourage Weeds. Relocation of Topsoil or Suitable Growth Media Stockpiles for Purposes Other Than Reclamation Shall Require Prior Written Approval from the Lead Agency**

Topsoil will be protected from wind and water erosion either by tarp covers or by planting with seed mixture and mulching with straw. The seed mixture shall contain California sagebrush, annual lupine and/or California buckwheat.

- e. Topsoil and Suitable Growth Media Shall Be Redistributed in a Manner That Results in a Stable, Uniform Thickness Consistent With the Approved End Use, Site Configuration and Drainage Patterns**

Onsite topsoil will be used to finish slopes as needed at a thickness of 4" to 6".

**Section 3712 - Performance Standards for Tailing and Mine Waste Management**

**State Water Resources Control Board mine waste disposal regulations in Article 7 of Chapter 15 of Title 23, California Code of Regulations, shall govern mine waste and tailings and mine waste disposal units shall be reclaimed in conformance with this article:**

Section 3712 of the SMARA regulations (Title 14, CCR) provides that the State Water Resources Control Board Mine Waste Disposal Regulations (Article 7, Chapter 15, Title 23 of the California Code of Regulations) shall govern mine waste and tailings and that mine waste disposal units shall be reclaimed in conformance with Article 7. However, these provisions are no longer applicable. Effective July 18, 1997, Article 7, Chapter 15, Title 23 was repealed. The text of Article 7 now appears in Article 1, Subchapter 1, Chapter 7 (Sections 22470, 22480, 22490, 22500, 22510) Title 27, of the California Code of Regulations.

The note that precedes Section 22470 states, "Note: Regulations in this article were promulgated by the State Water Resources Control Board (SWRCB), are administered by the appropriate Regional Water Quality Control Board (RWQCB) through the issuance of waste discharge requirements (WDRs), and are applicable to the owner or operator of a waste management unit for the treatment, storage, or disposal of mining waste (Mining Unit.)"

NOTE: A SWPPP (WDID NO. 42S017476) IS IN EFFECT FOR THIS MINE

**Section 22490: SWRCB - Mining Unit Siting and Construction Standards**

**Proximity to Faults - New Mining Units**

No mining waste is generated.

**Areas of Rapid Geologic Change**

No mining waste is generated.

**Flooding - All mining units shall be protected from flooding**

**Floodplain Siting Criteria - Group C Waste: Preclude increased sediment in surface water**

No mining waste is generated.

### **Precipitation and Drainage Controls; Design Storm**

The drainage and erosion control features of this reclamation plan provide, among other protections, for diversion and drainage facilities more than sufficient to accommodate peak flows from surface runoff of the design storm (one 10-year, 24-hour storm). The detention basins which exist have been designed for the 10-year storm to protect streams from siltation. Groundwater resources will not be impacted.

## **Section 22510 - Closure and Post-Closure Maintenance of Mining Units**

### **a. Closure Performance Standard:**

The proposed reclamation plan includes various erosion and sediment control measures including revegetation of the proposed slopes. The slopes also would meet applicable State and County standards for stability. These measures would avoid substantial erosion of the final reclaimed slopes and preclude the potential for substantial sedimentation of nearby streams.

### **b. Plan:**

Upon approval, this Reclamation Plan would fulfill the requirements of this section.

### **c. Reclamation:**

No waste is generated.

### **d. Oversight and Monuments:**

**1) Closure Supervision:** Closure of the mining activities (i.e. completion of reclamation at the site) will be under the direct supervision of a

registered civil engineer or a certified engineering geologist and Santa Barbara County.

**2) Surveying Monuments:** Two permanent monuments will be installed by a licensed land surveyor or a registered civil engineer at locations selected by the County.

### **h. Ending Post-Closure:**

The operator will comply with any appropriate post-closure maintenance requirements.

### **i. Vegetation**

Revegetation of Ellwood Ranch Quarry will not impair the integrity of any of the diversion or containment features provided for site reclamation.

#### **m. Erosion and Sedimentation Protection**

The erosion, sedimentation control and revegetation features of the proposed reclamation plan are designed to minimize erosion and the threat of water quality degradation from sedimentation.

#### **Section 3713 - Performance Standards for Closure of Surface Openings**

Santa Barbara Sand and Topsoil does not have mine shafts, tunnels or drill holes. If, in the future, it should create such features, they shall be closed in accordance with applicable codes.

#### **Santa Barbara County Code See Sec. 35.82.160H (Performance Stds.)**

The following sections provide a discussion of the compliance of the Ellwood Ranch Quarry Reclamation Plan with applicable provisions of the Santa Barbara County Code. This discussion pertains only to the future reclamation activities proposed in this reclamation plan and mitigation measures required to address the environmental impacts of past mining activities as identified in Environmental Impact Report 87-EIR-3.

**Chapter 14 - Grading Earthwork. Reclamation activities shall be consistent with the appropriate provisions of the County's Grading Ordinance (Chapter 14 of the Santa Barbara County Code) and with other appropriate engineering and geologic standards:**

Reclamation grading activities at the quarry will be consistent with applicable provisions of the County Grading Ordinance as described in the Reclamation Plan. The design steepness of cut slopes conforms to County Grading Ordinance requirements. All slopes will be at a stable gradient of 2:1 maximum. A Geology Report is provided as Exhibit G.

#### **Section 35.34 Landscape Standards**

**a. Revegetation - All revegetation and/or reestablishment shall be in conformance with an approved Landscaping Plan:**

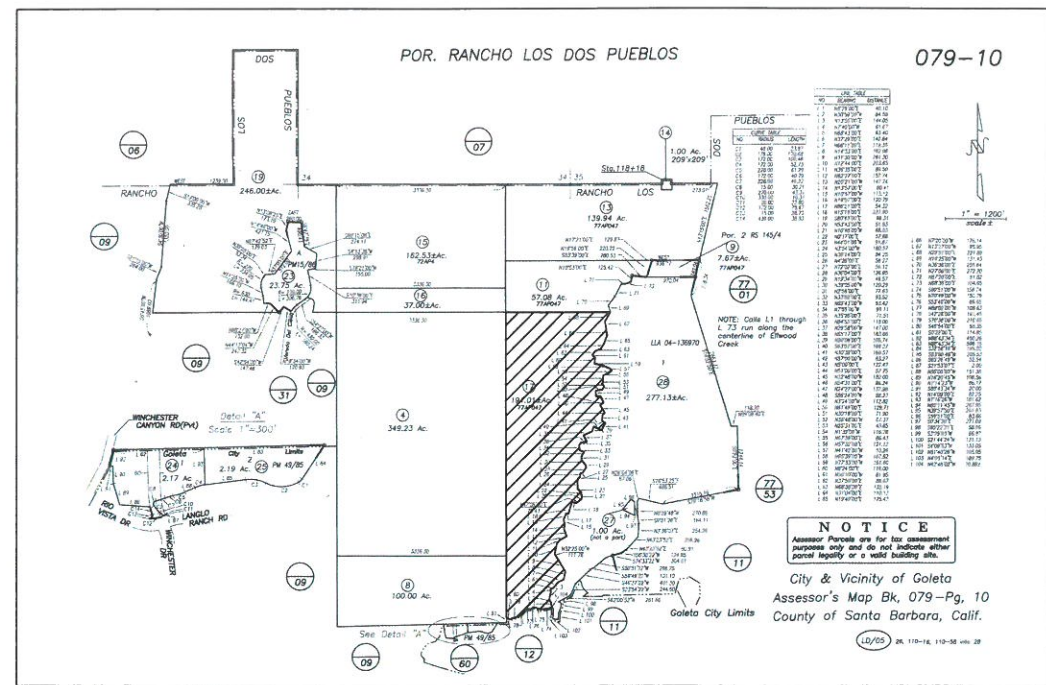
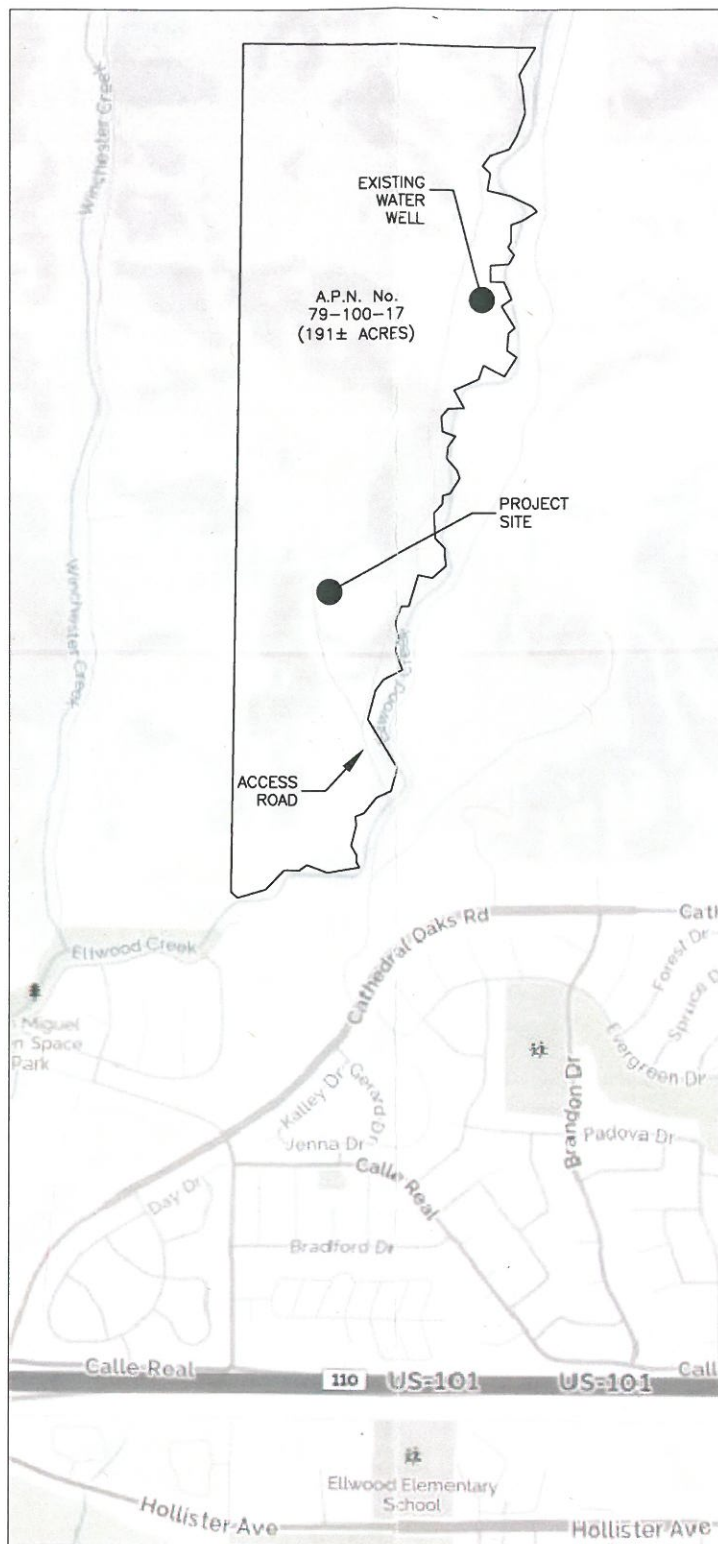
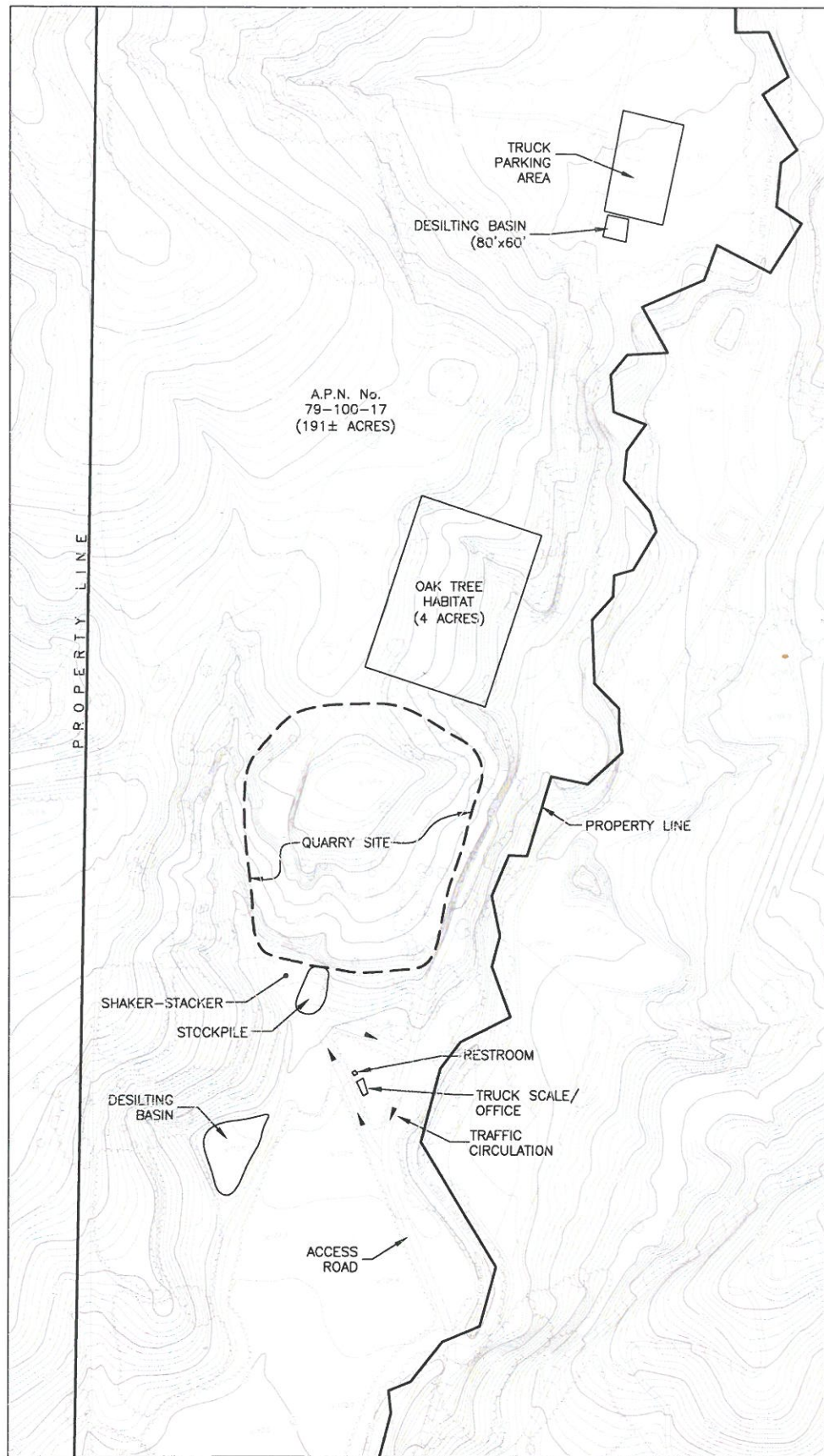
The Revegetation Plan included as Exhibit E of this Reclamation Plan indicates the areas to be seeded with erosion control seed mixes and the planting locations for oak trees. Full mitigation for all biological impacts identified in 87-EIR-3 has been completed with the planting and successful growth of 225 oak trees.

#### **Section 35.36 Parking Standards**

Unlimited parking exists within the mined lands; however, designated space for trucks and vehicles is provided. See Site Plan Exhibit A.







**A.P.N. MAP**  
N.T.S.



**EXHIBIT A**

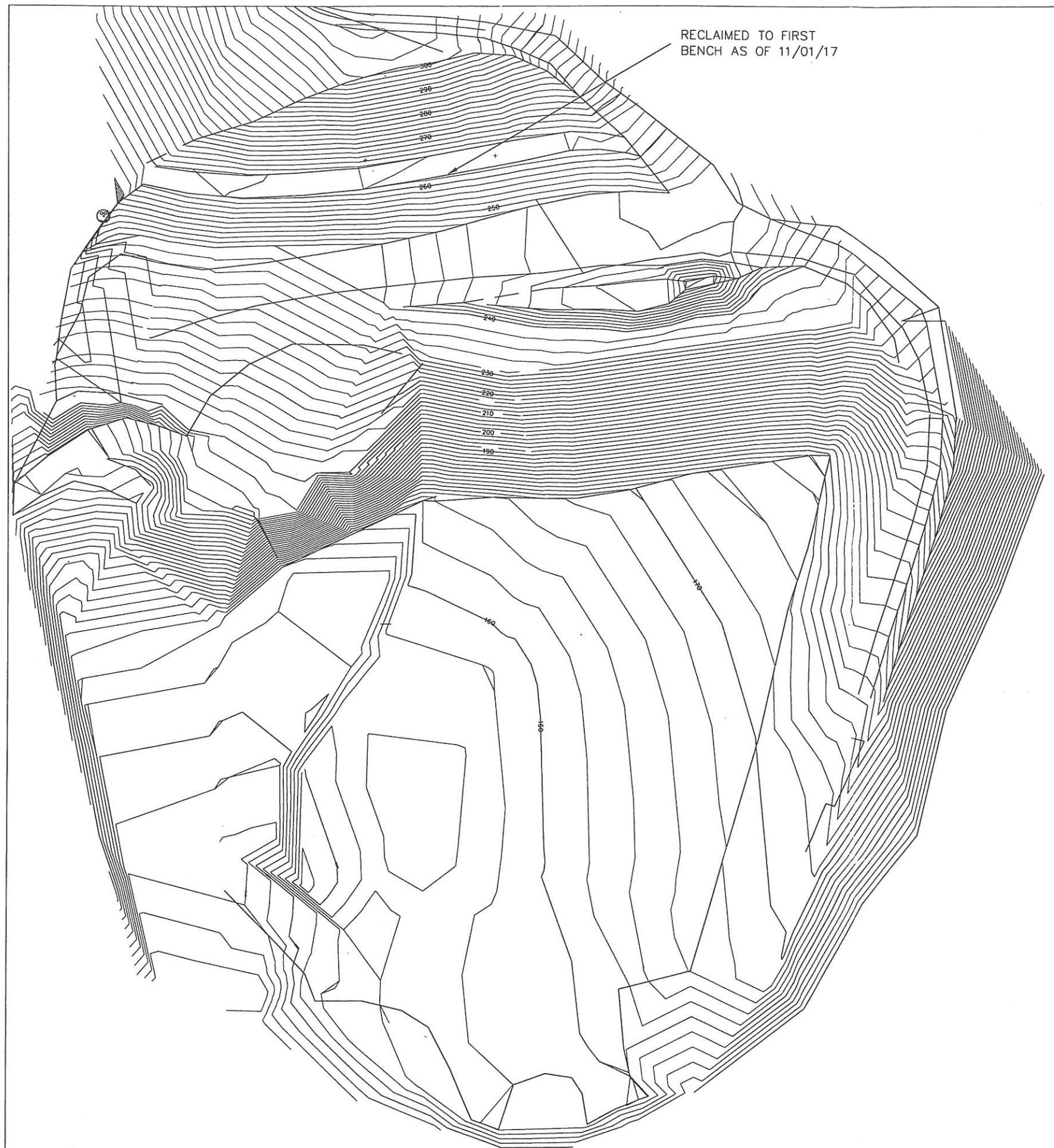
PREPARED BY:  
SID GOLDSTIEN - CIVIL ENGINEER, INC.  
650 ALAMO PINTADO ROAD, SUITE 302  
SOLVANG, CA. 93463  
(805) 688-1526 www.sjgce.com

DATE: NOVEMBER 5, 2017

**SAND QUARRY  
SITE PLAN  
ELLWOOD RANCH INC.  
ASSESSOR'S PARCEL No. 79-100-17  
COUNTY OF SANTA BARBARA, CALIFORNIA**







	AREA	ESTIMATED MINED MATERIAL
		REMAINING
TOTAL	10.1 ACRES	332,314 CU YDS

LEGEND



EXISTING OAK TREES



*Archie Macomber*

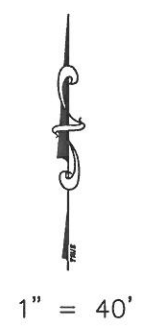
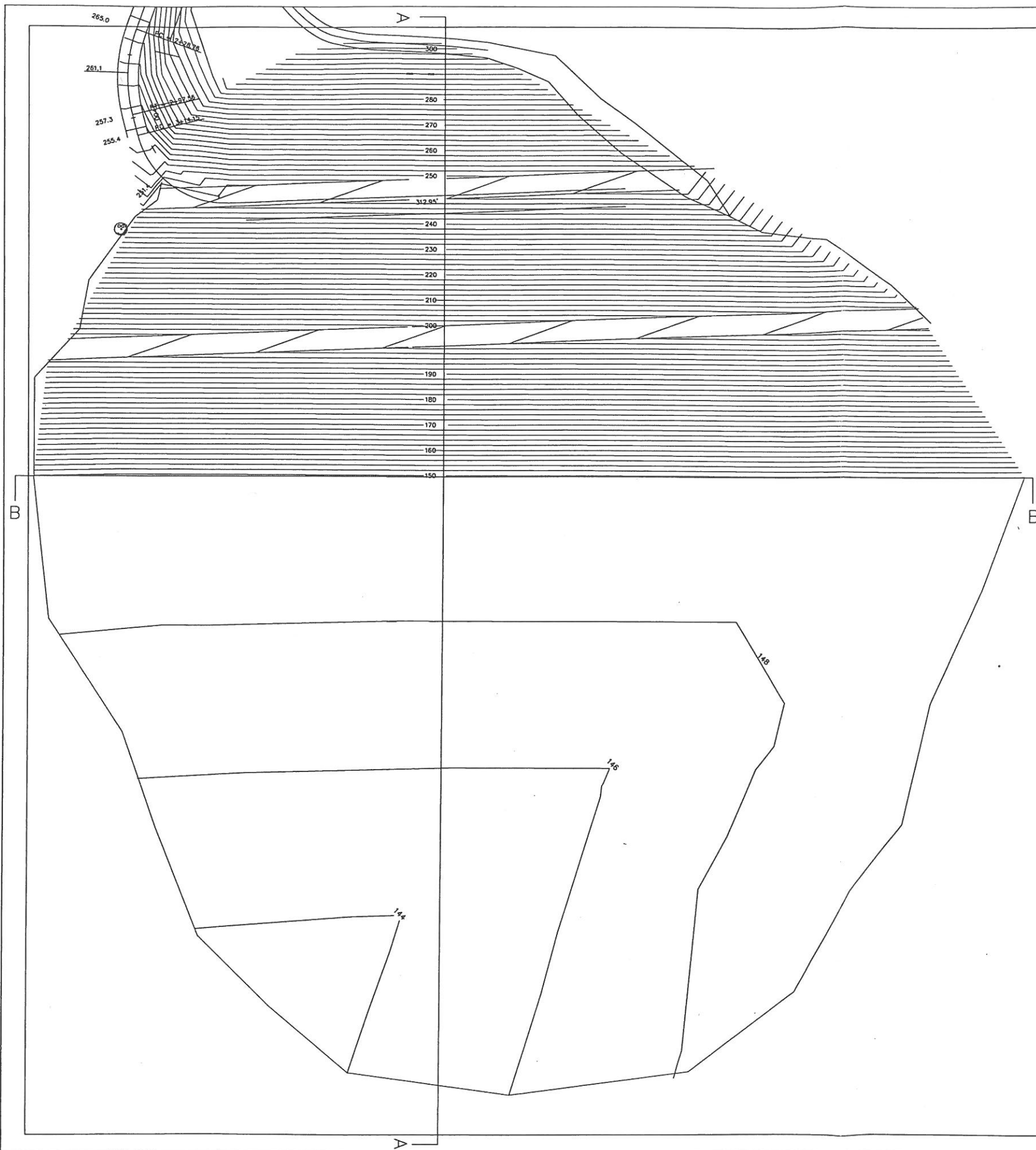
NOTE: 332,314 CUBIC YARDS  
REMAING TO FINISH GRADE

EXHIBIT B

PLAN SCALE 1 = 40'

DESIGNED BY	SAND QUARRY		
CHECKED BY	EXISTING TOPOGRAPHY		
DATE	REVISED DESCRIPTION	APP'D	ELLWOOD RANCH INC.
			ASSESSOR'S PARCEL NO. 79-100-17
			COUNTY OF SANTA BARBARA, CALIFORNIA
			PREPARED BY: MACOMBER SURVEYING
			4023 PRIMAVERA RD. UNIT B
			SANTA BARBARA, CA. 93110
			PH (805) 967-9226
			DATE 11/01/17
REVIEWED	BY	SCALES	AS NOTED
DATE			
SHEET 1 OF 1 SHEETS			





	AREA	ESTIMATED MINED MATERIAL
		REMAINING
TOTAL	10.1 ACRES	332,314 CU YDS

LEGEND

 EXISTING OAK TREES



*Archie Macomber*

NOTE: 332,314 CUBIC YARDS  
REMAINING TO FINISH GRADE

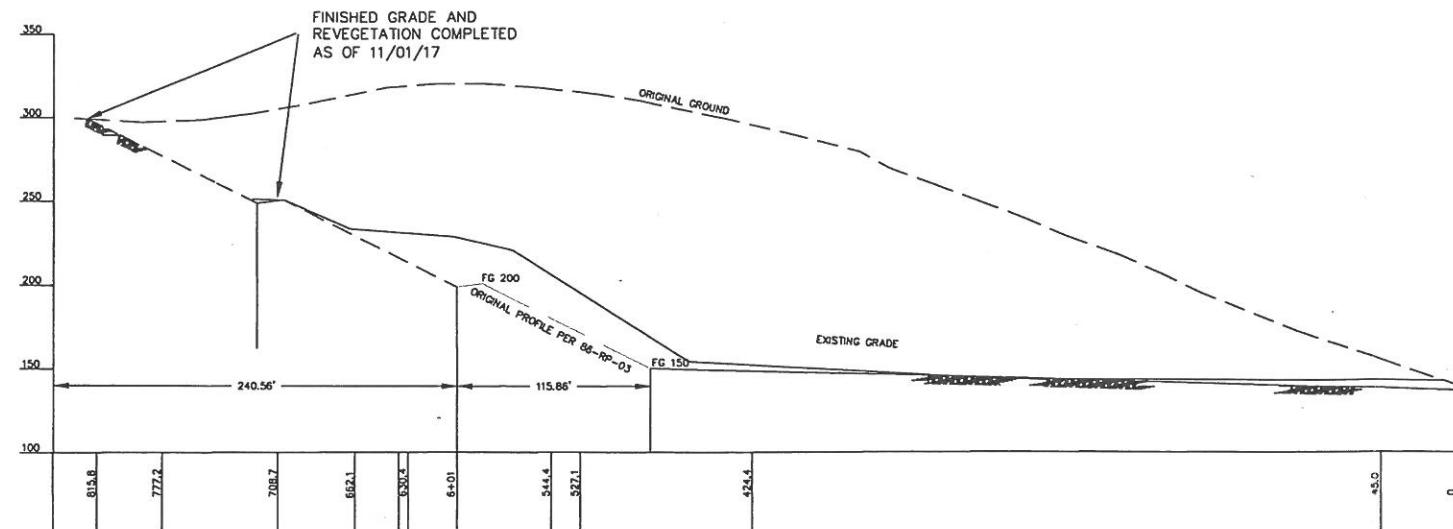
EXHIBIT C

PLAN SCALE 1" = 40'

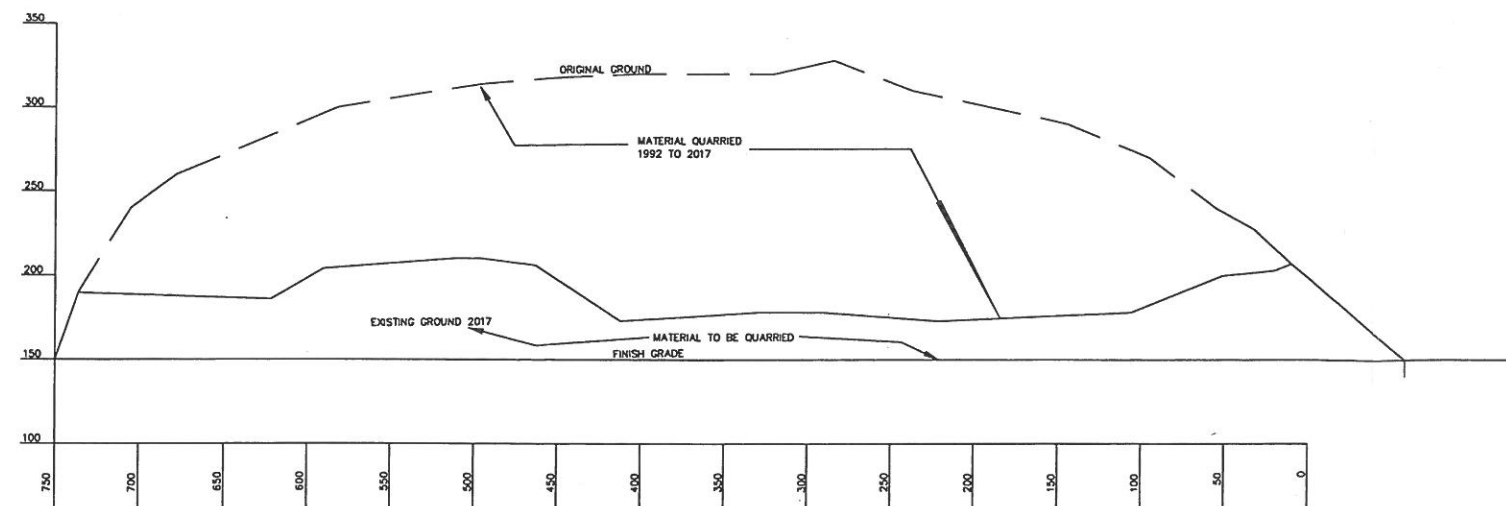
DESIGNED BY	SAND QUARRY		
CHECKED BY	FINISHED GRADING PLAN		
DATE	REVISED DESCRIPTION	APP'D	ELLWOOD RANCH INC.
			ASSESSOR'S PARCEL NO. 79-100-17
			COUNTY OF SANTA BARBARA, CALIFORNIA
			PREPARED BY: MACOMBER SURVEYING
			4023 PRIMAVERA RD. UNIT B
			SANTA BARBARA, CA. 93110
			PH (805) 967-9226
REVIEWED	DATE	BY	DATE 11/01/2017
			SCALES AS NOTED
SHEET 1 OF 1 SHEETS			



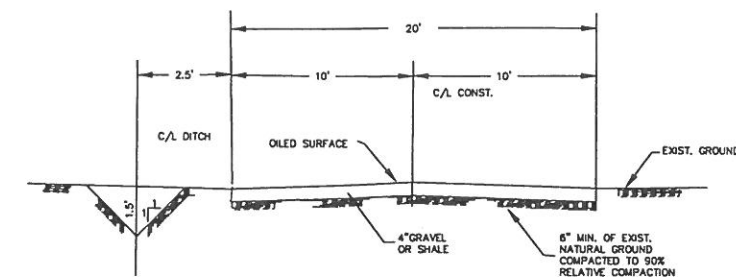




SECTION A-A (SHEET 2 OF EXHIBIT D)  
SCALE: HORIZ 1"=50'  
VERT. 1"=50'



SECTION B-B (SHEET 2 OF EXHIBIT D)  
SCALE: HORIZ 1"=50'  
VERT. 1"=50'



TYP. ROAD SECTION  
N.T.S.

#### GENERAL NOTES:

1. THE APPLICANT SHALL MAINTAIN A BERM, 8-10 FEET HIGH, ON THE SOUTH SIDE OF THE EXCAVATION AREAS.
2. STOCKPILING OF THE QUARRIED MATERIAL SHALL BE CONDUCTED BY MOVING IT TO THE WEST SIDE OF THE QUARRY SITE AND DOWNSLOPE BY GRAVITY OR SKIPLoader. NO SIDECASTING SHALL BE PERMITTED OVER THE SOUTH FACE OF THE QUARRY EXCEPT FOR THE AREA ALREADY DISTURBED BY PREVIOUS GRADING ACTIVITY.
3. THE EXPOSED CUT SLOPE SHALL BE REVEGETATED OR HYDRO-MULCHED AS SOON AS PRACTICABLE TO HELP STABILIZE THE SLOPE, PREVENT EROSION AND REDUCE BARE SLOPE VISIBILITY.

#### GRADING NOTES:

1. ALL FILL AREAS ARE TO BE CLEARED OF ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FOR A STRUCTURAL FILL AND THE AREA SCARIFIED TO A DEPTH OF 6".
2. FILL MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 6 INCHES IN COMPACTED THICKNESS AND COMPACTED AT OPTIMUM MOISTURE CONTENT BY APPROVED METHOD.
3. ALL FILL TO BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. D 1557-64T (MODIFIED TO 3 LAYERS AND SO CERTIFIED BY TESTS AND REPORTS FROM SOILS ENGINEER.



*Archie Macomber*

EXHIBIT D

DESIGNED BY			<b>SAND QUARRY SECTIONS &amp; DETAILS ELLWOOD RANCH INC. ASSESSOR'S PARCEL NO. 79-100-17 COUNTY OF SANTA BARBARA, CALIFORNIA</b>	
CHECKED BY				
DATE	REVISED DESCRIPTION	APPRO'D		
PREPARED BY:			DATE: 11/01/17	
MACOMBER SURVEYING 4023 PRIMAVERA RD., UNIT B SANTA BARBARA, CA. 93110 PH (805) 967-9226			SCALES AS NOTED	
REVIEWED	BY	SHEET 1 OF 1 SHEETS		
DATE				



# REVEGETATION SPECIFICATIONS FOR ALL PHASES

Erosion control shall be applied to all areas indicated on the plans in accordance with these specifications.

Seed - Shall be as supplied by S&S Seed Company and applied with slope mix as follows:

(common name)	
Artemisia Californica	3 lbs. per acre
Eriogonum fasciculatum	15 lbs. per acre
Eriogonum parvifolium	5 lbs. per acre
Eriophyllum confertiflorum	6 lbs. per acre
Lasthenia Californica	3 lbs. per acre
Lotus scoparius	6 lbs. per acre
Mimulus aurantiacus longiflorus	2 lbs. per acre
Camissonia cheiranthifolia	2 lbs. per acre
Salvia mellifera	5 lbs. per acre
Hordeum Brachyanthemum	5 lbs. per acre
Leptodactylon californicum	n/a

Irrigation system installed sufficient to keep soil moist during germination period and adequately promote growth. Larger shrubs and trees may be planted in area 30 days after seeding.

NEW OAKS TO BE PLANTED



1" = 50'

PHASE	AREA (ACRES) AGRICULTURE (UNSHADED)	OPEN SPACE (SHADED)
1	0.9 ACRES	0.8 ACRES
2	0.2 ACRES	3.1 ACRES
3	5.1 ACRES	0 ACRES
TOTAL	6.2 ACRES	3.9 ACRES

## LEGEND

EXISTING OAK TREES

PLANT FINISHED SLOPES WITH SEED MIX.  
TERRACES AND PADS TO BECOME CROP  
PRODUCTION AREAS AT TERMINATION OF  
MINING.

*Michael J. Macomber*

PLAN SCALE 1" = 50'

DESIGNED BY	
CHECKED BY	
DATE	REVISED DESCRIPTION
	APPROVED
REVIEWED	DATE
BY	

SAND QUARRY  
REVEGETATION PLAN  
ELLWOOD RANCH INC.  
ASSESSOR'S PARCEL NO. 79-100-17  
COUNTY OF SANTA BARBARA, CALIFORNIA

PREPARED BY: MACOMBER SURVEYING  
4023 PRIMAVERA RD., #B  
SANTA BARBARA, CA., 93110  
PH (805) 967-9226

DATE: NOV. 2012

SCALES  
AS NOTED

SHEET 1 OF 1 SHEETS

38540-VEG-01



CANYON

100.00 ±  
F.L. ELEV.

TOPG ENLARGED  
FROM 1" = 100'

**ELLWOOD RANCH QUARRY  
SANTA BARBARA COUNTY, CALIFORNIA**

# **REVEGETATION PLAN**

**CA MINE ID#91-42-0020**

**17-RVP-00000-00082**

**EXHIBIT E**



# REVEGETATION PLAN

## 1.0 INTRODUCTION

This plan addresses revegetation of the proposed slopes in the mining site. Included in the plan are procedures for seeding, maintenance, monitoring and the revegetation success criteria for plantings. Terraces and pads created from final grading will be incorporated into the Ellwood Ranch agricultural production program as orchards or crops.

### 1.1 Existing Conditions

The Ellwood Ranch Quarry was originally approved in 1987 with a Conditional Use Permit and Reclamation Plan. An Environmental Report, 87-EIR-3, was certified at time of approval. All mitigation measures associated with biological impacts have been implemented. The only remaining issue pertains to slope stabilization. Currently, 225 oak trees have been planted in the 4 acre mitigation area, and the mine site is largely stripped of vegetation.

### 1.2 Plan Intent

The intent of the planting plan is to provide rapid cover for the slope areas and begin to reestablish plant diversity appropriate to the region. A mixture of plants is proposed in the seeds identified on the attached plan sheet. Phase 1 will include additional voluntary oak tree plantings proposed by the owner. These oak trees are in addition to the original required mitigation of 225 oaks in the 4 acre area. Phase 1 has been revegetated, and final reclamation has been accepted by Santa Barbara County.

### 1.3 Performance Standards

The goal of this plan is to revegetate the disturbed site slope areas with predominantly native plant cover, ultimately achieving a minimum of 80% cover. See Section 8.0 herein.

## 2.0 PLANT CONTROL STRATEGY

Weed removal will be conducted during site preparation procedures, prior to installation of plant material and seeding, and during the plant establishment and long-term maintenance periods. Invasive, non-native species will be removed at a time of year to avoid soil erosion and when viable weed seeds are not inadvertently scattered over the site (spring, early summer). Weeding after planting will be conducted primarily by hand unless otherwise authorized. The Contractor will remove weed seedlings before weeds become too large for hand removal and prior to setting seed where possible. Weed removal via mechanical methods, such as weed whipping, mowing and/or disking may occur in certain locations with approval of the County biologist.

## **2.1 Site Preparation**

All areas to be revegetated will be prepared for planting through proper grading of the areas, removal of non-native/exotic vegetation and weed eradication. Non-native, invasive exotic plants will be removed to the extent feasible. A combination of chemical, physical and mechanical removal will be used to achieve the desired removal.

## **2.2 Native Plant Protection**

All existing native plant material intended to remain and to be preserved onsite will be protected from potential herbicide overspray (with tarps or other screening/covers) or accidental removal whenever herbicide is to be used throughout the life of the project. See 2.3 Herbicide Application.

## **2.3 Herbicide Application**

The following herbicides will be applied only when necessary: Rodeo, Roundup or Karmex. Application must be done according to label directions, when wind is less than 5 mph, during periods when no rain is expected for at least 6 hours, when there is no standing water present, by hand sprayers directly on the plant which is to be eradicated. None of the herbicides shall be stored, poured and refilled within sensitive areas.

## **2.4 On-going Weed Control**

Invasive exotics will be removed on a continuing basis during the long-term maintenance period within the revegetation areas. Hand removal and weed-whacking will be the preferred methods. Use of herbicides will be minimized to the degree practical.

## **3.0 SEED MIX**

The seed mix established for this project was based on existing and typical plant communities in the immediate area, soil moisture regime and topographical aspect. Seeds of appropriate provenance will be purchased from reliable seed companies or other qualified contractors. See attached plan sheet for details.

## **4.0 INSTALLATION - REVEGETATION**

Revegetation of the site by seeding will provide erosion control of the substrate, evapotranspire infiltrating moisture and strive to achieve visual integration with the vegetation surrounding the site. A County-approved revegetation monitor shall oversee implementation of the planting plan. The monitor shall be knowledgeable of revegetation techniques, California native plants and installation techniques.

Prior to beginning revegetation of the site, the contractor and revegetation monitor shall ensure that all grading and site preparation has been completed and that access to the site is restricted. Timing is of the utmost importance. All seeding shall take place between October 1 and November 1. Vehicular activity will be restricted once the site has been seeded. Seeds may be hand broadcast or with hydromulch.

#### **4.1.1 Container Plants - Valley Oaks, Coast Live Oaks**

Seedlings in "deep pots" will be hand planted in late fall at locations indicated on the Planting Plan. Each seedling will be planted in a "gopher cage" (wire basket) to discourage predation/root grazing. Seedlings will be grouped in naturalistic arrangements where feasible and enclosed in a 42-inch high protective fence. The fence will protect seedlings from being trampled and eaten by wildlife. Plant holes will be twice the diameter of the container and a minimum of six inches deeper than the container. Holes will be backfilled with native soil. A planting/watering basin with a three inch high berm will be constructed. A weed mat will be installed in all tree and shrub basins.

Irrigation will be installed prior to planting. A drip irrigation system, using temporary valves will be installed. Each seedling will receive one emitter capable of delivering one gallon per hour placed within six inches of the plant center.

### **5.0 MAINTENANCE PLAN**

#### **5.1 Seeded Area Maintenance**

Seeded areas will be planted during the fall to favor native plant establishment. It is anticipated that natural rainfall will be adequate for seed germination, plant establishment and subsequent cycles of seed growth.

The seed mixes contain annual and perennial species which, once established, should be able to compete with obnoxious, invasive non-native weeds. Hand weeding of invasive weeds, such as mustard, thistle, annual clover and castor bean will be performed for the entire maintenance/monitoring period. After establishment of these native plants, no additional weeding is proposed. Invasive weeds are prevalent on all areas surrounding the project site. Seeds from these weeds will blow or wash into the site continually, and it is not reasonable to expect complete eradication of the weeds. The use of chemical herbicides should be minimized. Physical methods of removal are preferred.

#### **5.2 Tree Maintenance**

Maintenance for trees will consist of weeding the seedling/watering basins, checking the condition of the protective fences and supplementing natural rainfall with drip irrigation. Basins will be weeded monthly for the first year and bi-monthly thereafter, or as deemed necessary. Weed matting will be maintained until plant material reaches an appropriate size. Protective



fences will be monitored monthly and repaired monthly as required for the first year, and then 4 times per year thereafter until final acceptance. Fences will be removed when trees are of an appropriate size to preclude predation, acceptable to the County of Santa Barbara and/or by the end of the maintenance/monitoring period.

Seedlings will be irrigated for approximately two years to supplement natural rainfall. Irrigation scheduling will be carefully monitored to coincide with the actual water needs of the various species.

The intent of the drip irrigation is to help the seedlings establish themselves in the intended revegetation sites. After the first year, irrigation will be gradually tapered off. Each watering will be of longer duration than the last to encourage deep rooting, and the interval between waterings will be gradually increased. Seedlings should be able to be weaned from supplemental irrigation by their third winter in the ground (approximately two years from planting).

## **6.0 MONITORING**

The revegetation area shall be monitored and evaluated for plant establishment and coverage. The establishment of a plant cover, that is predominantly native and free of invasive, exotic weed species, is the realistic goal of this intervention. Plant locations may shift as species installed and introduced through natural seeding become established in areas of adaptability.

**Revegetation Monitoring:** The total monitoring period from end of planting through the self-sustaining period shall be at least five years or until the revegetation standards have been met. Monitoring shall continue at least two full years after irrigation is stopped.

### **6.1 Seeded Areas**

Seeded areas will be evaluated two to three months after seeding to determine adequacy of germination/coverage and the need for supplemental seeding. Refer to Revegetation Success Criteria for additional information.

### **6.2 Trees**

Trees will be monitored for three years (or until final acceptance by the County of Santa Barbara) by the monitor. Trees will be evaluated every two months for the first six months and then yearly, thereafter. Caged trees, particularly oaks, will be monitored a minimum of two years until the cages are removed. Trees will be evaluated for growth, health of the seedlings, condition of the planting/watering basin and protective fencing, and weed growth near seedling. Tree establishment will be complete when a tree has reached a height of six feet and the tree has been independent of supplemental water, fertilizer and herbicide treatments for a minimum of one year.

### 6.3 Year End Reporting

The monitor shall prepare a year end monitoring report, due at the anniversary date of completion of the installation each year for five years, summarizing the years' maintenance activities, the status of establishment of the seeded and planted areas, achievement of success criteria standards and the need for remedial measures. Reports will include photo documentation for all native plant revegetation and restoration areas, and visual and measured documentation of transect lines. The year end report shall be submitted to the County of Santa Barbara and the applicable resource agencies (permitting agencies) for review and approval each year.

### 7.0 REVEGETATION SEED MIX

Erosion control shall be applied to all disturbed areas in accordance with these specifications.

Seed - Shall be supplied by S&S Seed Company and applied with slope mix as follows:

Artemisia Californica	(common name)	3 lbs. per acre
Eriogonum fasciculatum		15 lbs. per acre
Eriogonum parvifolium		5 lbs. per acre
Eriophyllum confertiflorum		6 lbs. per acre
Lasthenia Californica		3 lbs. per acre
Lotus scoparius		6 lbs. per acre
Mimulus aurantiacus longiflorus		2 lbs. per acre
Camissonia cheiranthifolia		2 lbs. per acre
Salvia mellifera		5 lbs. per acre
Hordeum Brachyantherum		5 lbs. per acre
Leptodactylon californicum		n/a

Irrigation system installed sufficient to keep soil moist during germination period and adequately promote growth. Trees may be planted in area 30 days after seeding.

### 8.0 SUCCESS CRITERIA

#### 8.1 Seeding

Feature	Performance Criterion	Findings	Action
<b>Years 1 &amp; 2</b>			
Weed invasion	Evaluate 1 month after hydroseeding or seeding	Interferes with germination or coverage	Hand pull/weed whip (herbicide may be used if acceptable by the biological monitor)

<b>Feature</b>	<b>Performance Criterion</b>	<b>Findings</b>	<b>Action</b>
<b>Years 1 &amp; 2 cont.</b>			
	Evaluate at end of first growing cycle	Interferes with revegetation	Hand pull/weed whip (herbicide may be used if acceptable by the biological monitor)

<b>Feature</b>	<b>Performance Criterion</b>	<b>Findings</b>	<b>Action</b>
<b>Years 3</b>			
	Evaluate at end of third year	Greater than 80% cover	Acceptable*

\*Indicates partial release of Revegetation Bond

## **8.2 Trees**

<b>Feature</b>	<b>Performance Criterion</b>	<b>Findings</b>	<b>Action</b>
<b>Years 1 - 3</b>			
Weed invasion	Evaluate bi-monthly for six months	Weeds in basins	Hand pull; maintain weed mats
	Evaluate 4 times/year (years 2-3) until acceptance	Weeds in basins	Hand pull; maintain weed mats
Protective fencing	Evaluate monthly for 1 year	Broken or collapsed fence	Repair fence
	Evaluate 4 times/year (years 2-3) or until acceptance	Broken or collapsed fence Fencing/caging interferes with development of normal growth form	Repair fence  Relocate affected area to promote normal, healthy growth form, anchor to cage (if needed) with non-binding nursery tape, or clip small section of cage/fence to free a branch



<b>Feature</b>	<b>Performance Criterion</b>	<b>Findings</b>	<b>Action</b>
<b>Years 1 - 3 cont.</b>			
Irrigation	Months 1 & 2	Approximate irrigation schedule**	1x/week, 4 hrs. each session
	Months 3-6	“ “	2x/month, 8 hrs. each session
	Months 7-12	“ “	1x/month, 12 hrs. each session
	Months 13-24	“ “	Monitor, water as needed. Likely scenario: 1x/month in summer/fall only. 12-20 hrs. each session
Tree	Evaluate at end of each growing season***	= or greater than 50% survival	Continue to monitor
		less than 50% survival	Replant

\*\*Irrigation scheduling shall be coordinated between the landscape contractor and the biological monitor to assure adequate watering and to facilitate weaning off irrigation by the end of a two year period.

\*\*\*A tree has attained six feet in height, is in healthy condition verified by an arborist or biologist acceptable to the County, has been independent of supplemental water, protection from herbivores, and other maintenance for a minimum of one year. At acceptance by the County for release, trees shall exhibit sufficient spacing to allow them to grow to maturity in a normal manner.

**Revegetation Performance Standards:** In addition to the revegetation standards presented above, criteria for cover, density and species richness follows. Cover at the end of five years shall be at least 60%. Density shall be 100 plants or seedlings per 200 square feet at the end of five years. Species richness shall be five species per 200 square feet at the end of five years.

The total area to be revegetated is approximately 3.9 acres. In order to provide an 80% confidence level that the above criteria has been achieved, it will be necessary to analyze 14 sample areas randomly spaced throughout the revegetated zone. Each sample area shall encompass 200 square feet. The sample areas shall be staked and identified enabling the monitor to analyze the same sample areas throughout the monitoring phase.



# Financial Assurance Guidelines

State of California

DEPARTMENT OF CONSERVATION

Financial Assurance Cost Estimate

Form OMR-23 (New 06/96)

## FINANCIAL ASSURANCE COST ESTIMATE

FOR

Elwood Ranch Quarry

CA MINE ID #91- 42-0020

Prepared by:

Vic Batistini  
Santa Barbara County Geologist

Date: 10/2/17

**Note:** This worksheet was developed by the Office of Mine Reclamation to assist lead agencies and operators prepare a reclamation cost estimate and determine an appropriate amount for the financial assurance in conformance with Section 2773.1 of SMARA. It should be used in conjunction with the *Financial Assurance Guidelines* adopted by the State Mining and Geology Board.

EXHIBIT F



# Financial Assurance Guidelines

## IV. MISCELLANEOUS COSTS

Page 2 of 8

Examples of this type of cost could include temporary storage of equipment and materials off site, special one-time permits (i.e. transportation permits for extra wide or overweight loads, etc.), decommissioning a process mill (i.e. decontamination of equipment), or disposal of warehouse inventories.

Item / Task	Quantity	\$/Unit	Cost (\$)
1. Removal of stockpile			
2. of material to			
3. reclamation Area			
4.			
5. truck	1	\$5,720/hr	2,720.00
6. truck	1	\$5,720/hr	2,720.00
7. DSH Cat	1	\$1,120/hr	5,120.00
8.			
9.			
10.			

Total Miscellaneous Costs \$ 10,560.00

## V. MONITORING

Monitoring Task	\$/Visit	# Visits/Year	# of Monitoring Years	Cost (\$)
1. public Agency county planning	3	695.75	3	2,087.25
2.				
3.				
4.				
5.				

Total Monitoring Costs \$ 2,087.25

Financial Assurance Cost Estimate

Financial Assurance Guidelines

Page 3 of 8

E. Surplus / Salvage Value

1. Total cost to reclaim plant structures and equipment pursuant to the approved reclamation plan.

\$ NONE

2. Net salvage value of the plant structures and equipment.\*

\$ NONE

3. Subtract Line 2 from Line 1

\$ NONE

4. If Line 3 is greater than \$0, enter this amount on the total plant structures and equipment removal cost line under Section VIII (Summary of Costs). If Line 3 is less than \$0, enter \$0 on the appropriate line in Section VIII.

\*NOTE This is the value of plant structures, buildings and equipment on a salvage basis — e.g. after the structures and equipment have been removed for sale or use off-site. In order to include net salvage value in the financial assurance calculation, the operator must provide a letter of agreement, signed contract, bid or quote from an independent company which provides industrial dismantling or equipment salvage services, or is in the business of buying and selling scrap metals or similar products.

NOTE. Scale - office trailer - shop building  
truck storage - Fuel tank will remain on  
site after reclamation for Agricultural  
use for Ellwood Ranch Inc.

## III. PLANT STRUCTURES AND EQUIPMENT REMOVAL

Page 4 of 8Description of Task: Removed as D&T cat  
2- cat loaders + portable plantMethods to be Used: LOW bed + truck for portable  
plant removal

## A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost (\$)
<u>LOW Bed D&amp;T</u>	<u>1</u>	<u>165.00</u>	<u>2</u>	<u>330.00</u>
<u>LOW Bed 944C</u>	<u>1</u>	<u>165.00</u>	<u>2</u>	<u>330.00</u>
<u>LOW Bed 950F</u>	<u>1</u>	<u>165.00</u>	<u>2</u>	<u>330.00</u>
<u>portable plant</u>	<u>1</u>	<u>165.00</u>	<u>2</u>	<u>330.00</u>

Total Equipment Cost for this Task \$ 1,320.00

## B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost (\$)
<u>included in cost</u>				
<u>of LOW bed</u>				

Total Labor Cost for this Task \$ 0

## C. Demolition - List all structures and equipment to be dismantled or demolished.

Structure / Equipment	Type of Material	Volume (cubic feet)	Unit Cost Basis	Disposal Cost	Cost (\$)
<u>None</u>					

Total Materials Cost for this Task \$ 0

## D. Direct Cost for this Task

Equipment Cost + Labor Cost + Demolition Cost = \$ 1,320.00

Financial Assurance Cost Estimate



# Financial Assurance Guidelines

## II. REVEGETATION

Page 5 of 8

Description of Task:

*reseeding slope and  
placing stabilization material*

Methods to be Used:

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost (\$)
<i>DBT Reseeder Final slope one time</i>	<i>10 H.F.</i>			

Total Equipment Cost for this Task \$ 3,480.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost (\$)
<i>Apply Seed</i>	<i>2</i>	<i>15.00</i>	<i>32.00</i>	<i>960.00</i>
<i>stabilization material</i>	<i>1</i>	<i>15.00</i>	<i>40.00</i>	<i>600.00</i>
<i>Apply Prep system</i>	<i>1</i>	<i>15.00</i>	<i>16.00</i>	<i>240.00</i>

*(Done)*

Total Labor Cost for this Task \$ 1,800.00

C. Materials - List all materials required to complete identified task.

Item / Plant Species	Unit of Measure	# of Units	\$/Unit	Cost (\$)
<i>Seachem plus-14 slope</i>	<i>Acres</i>	<i>3.1 Acres</i>	<i>1,465.00</i>	<i>4,541.50</i>
<i>slope stabilization material</i>	<i>Roll</i>	<i>30</i>	<i>125.00</i>	<i>3,750.00</i>
<i>DBT trace's</i>	<i>trace</i>	<i>10</i>	<i>25.00</i>	<i>250.00</i>
<i>Prep system DBT trace's</i>	<i>1</i>	<i>1</i>	<i>400.00</i>	<i>400.00</i>

Total Materials Cost for this Task \$ 8,941.50

D. Direct Cost for this Task

Equipment Cost + Labor Cost + Materials Cost

\$ 14,221.50

Financial Assurance Cost Estimate

# Financial Assurance Guidelines

## II. REVEGETATION

Page 6 of 8

Description of Task: *Reseeding slope and placing stabilization material*

Methods to be Used:

*Labor*

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost (\$)
<i>DONE</i>				

Total Equipment Cost for this Task \$ 0

B. Labor - List all labor categories to complete identified task

Labor Category	Quantity	\$/Hour	# of Hours	Cost (\$)
<i>DONE</i>				

Total Labor Cost for this Task \$ 0

C. Materials - List all materials required to complete identified task.

Item / Plant Species	Unit of Measure	# of Units	\$/Unit	Cost (\$)
<i>Seed mix phase II slope</i>	<i>Acres</i>	<i>3.1 Acres</i>	<i>1,465.00</i>	<i>4,541.50</i>
<i>slope stabilization material</i>	<i>Roll</i>	<i>30 Rolls</i>	<i>125.00</i>	<i>3,750.00</i>
<i>Oak trees</i>	<i>tree</i>	<i>10</i>	<i>25.00</i>	<i>250.00</i>
<i>Drp system oak tree</i>	<i>1</i>	<i>1</i>	<i>400.00</i>	<i>400.00</i>

Total Materials Cost for this Task \$ 8,941.50

D. Direct Cost for this Task

Equipment Cost + Labor Cost + Materials Cost \$ 8,941.50

Financial Assurance Cost Estimate

# Financial Assurance Guidelines

## I. PRIMARY RECLAMATION ACTIVITIES

Page 7 of 8

Description of Task:

*Finish slope at 2.1*

Methods to be Used:

*Normal grading operations*

Miscellaneous Information:

Overburden (cubic yards): \_\_\_\_\_ Topsoil (cubic yards): \_\_\_\_\_ Acres: \_\_\_\_\_  
 Production Rate (cubic yards/hour): 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_ 4. \_\_\_\_\_  
 Haul Distance (feet): 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_ 4. \_\_\_\_\_

A. Equipment - List all equipment required to complete identified task. For large reclamation jobs separate mine areas for ease of accounting.

Equipment	Quantity	\$/Hour	# of Hours	Cost (\$)
1. <i>D8H</i>	<i>1</i>	<i>160.00</i>	<i>200.00</i>	<i>32,000.00</i>
2.				
3.				
4.				

Total Equipment Cost for this Task \$ 32,000.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost (\$)
<i>D8H Cat</i>				
<i>operation cost</i>				
<i>included in</i>				
<i>Equipment</i>				

Total Labor Cost for this Task \$       

C. Materials - List all materials required to complete identified task (include disposal costs).

Item	Quantity	\$/Unit	Cost (\$)
<i>Quarry interior earthwork</i>	<i>13,500</i>	<i>16 x 100.00</i>	<i>2,560.00</i>
<i>Quarry perimeter "</i>	<i>12,000</i>	<i>14 x 100.00</i>	<i>2,240.00</i>
<i>Quarry top perimeter</i>	<i>6,000</i>	<i>7 x 100.00</i>	<i>1,120.00</i>

Total Materials Cost for this Task \$ 5,920.00

D. Direct Cost for this Task:

Equipment Cost + Labor Cost + Materials Cost = \$ 37,920.00

Financial Assurance Cost Estimate



## Financial Assurance Guidelines

## VII SUMMARY OF COST

Total of all Primary Reclamation Activities Costs	\$ 37,920,100
Total of all Revegetation Costs	\$ 14,221.50
Total of all Plant Structures & Equipment Removal Costs	\$ 1,320,100
Total of all Miscellaneous Costs	\$ 10,540,100
Total of all Monitoring Costs	\$ <u>2,087.25</u>
Total of Direct Costs	\$ 66,108,75
Supervision ( <u>6.1</u> %)	\$ 4,032.64
Profit/Overhead ( <u>12.5</u> %)	\$ 8,243.59
Contingencies ( <u>10</u> %)	\$ 6,610.88
Mobilization ( <u>2</u> %)	\$ <u>1,322.18</u>
Total of Indirect Costs	\$ 20,229.29
Total of Direct and Indirect Costs	\$ 86,338.04
Lead Agency Administrative Cost* (Determined by the Lead Agency)	\$ <u>2,500,100</u>
Total Estimated Cost of Reclamation	\$ <u>88,838.04</u>

\*NOTE The Financial Assurance Guidelines recommend that when reviewing and approving a financial assurance cost estimate, lead agencies should include their administrative cost to draw on the financial assurance and implement the reclamation plan, should it become necessary.





July 24, 2002  
Project No. 020502

Santa Barbara Sand & Topsoil Corp.  
P.O. Box 4824  
Santa Barbara, CA 93140

phone (805) 962-4157  
facsimile (805) 962-3010  
e-mail jamesfisher@peoplepc.com  
216 N. Milpas Street, Suite F  
Santa Barbara, CA 93103

Attention: Vic Batastini

Subject: **ENGINEERING GEOLOGY SITE & RECLAMATION PLAN REVIEW**  
Elwood Ranch Quarry  
Goleta, California

References: Appendix A

Dear Mr. Batastini;

In accordance with the request of your engineer, Mr. Sid Goldstien, I have completed an engineering geologic review of the site located on Elwood Ranch Road in the Goleta area. My review was accomplished as a part of a CUP renewal application for the quarry and included observing quarry operations and geologic mapping of the site, reviewing existing and proposed site and reclamation plans, discussions and a meeting with Brian Baca regarding County of Santa Barbara requirements, review of published literature and preparation of this report, including the enclosed Geologic Map and Geologic Cross-Sections A and B. Reclamation Plans used as base maps in my review were provided by Mr. Goldstien's office. This report summarizes the findings of my review.

### **PHYSICAL SETTING AND DESCRIPTION OF OPERATIONS**

The site is located in the rolling foothills along the south flank of the Santa Ynez Mountains, as shown on the Geologic Vicinity Map, Figure 1. Natural terrain in the quarry vicinity consists of steep, oak- and brush-covered hillsides with intervening narrow stream courses. Elwood Creek is the major drainage in the area. Elwood Creek narrows noticeably where it passes through the quarry vicinity, owing to the more erosion-resistant Vaqueros Sandstone in this area.

A portion of the Elwood Ranch property is devoted to a small sand quarry. The product ranges from sand reportedly with an SE (Sand Equivalence) around 20 to one with an SE greater than 50. The quarry operations are occurring across the top of a south-trending ridgeline; the excavated area (2002) is approximately 10 acres in extent. Two, 25-foot high south facing cut slopes border the north side of the quarry. The main quarry floor is gently sloping and broken by several low cut slopes. At the time of this review, the quarry floor had been excavated in the form of a "daylight cut" at approximate elevation 200- to 225 feet. A berm is present at the

**EXHIBIT G**

margin of the daylight cut and runoff is directed to the southwest as sheet flow across the quarry floor.

At the time of this report, a single D-8 bulldozer was accomplishing quarry excavation with double shank rippers. The dozer would cross-rip the formation and then push the product off the western edge of the quarry floor. The excavation process reduced the sandstone to a free-running material that accumulated at the angle of repose of loose sand. The accumulated product was being removed at the toe of the western slope by a front-end loader that would transport it to a portable screening plant located at the southern terminus of the ridgeline.

### **GEOLOGIC SETTING**

The Elwood Ranch Quarry produces various grades of sand from the Vaqueros Sandstone. In the general Goleta area, the Vaqueros Sandstone is present as a discontinuous band of sandstone a few hundred feet to a half-mile wide that outcrops along the south flank of the Santa Ynez Mountains. The unit is Early Miocene in age and is named from a type locality along Vaqueros Creek in the Santa Lucia Mountains in Monterey County (Dibblee, 1966, p.40). The Vaqueros Sandstone is marine in origin and occasionally fossiliferous. The lowermost section of Vaqueros Sandstone at the quarry is marked by gray, massive cemented calcareous sandstone up to 20 feet thick that thins to zero toward the west side of the quarry floor. Gray, very friable medium-grained sandstone is present west and slightly south of the cemented sandstone, but most of the quarry is occupied by massive, poorly cemented to friable, yellow sandstone that breaks down to sand during excavation. Exposures of Vaqueros Sandstone just east and west of the quarry floor have occasional bedding planes developed with a southerly dip between 27° and 30°, as shown on Plates 1 and 2 and on Photo 1 below (bedding planes inclined toward lower left of photo).

**Photo 1**

Vaqueros Sandstone Exposure in Road Cut Southeast of Quarry



Sespe Formation sandstone and siltstone is exposed in the cut slopes on the north side of the quarry. The contact between the Vaqueros and Sespe formations occurs along the Glen Annie Fault that trends east west across the quarry floor, as shown on the Geologic Map, Plate 1. The fault is nearly vertical and with sub-horizontal slickensides. The fault is classified as Inactive (Santa Barbara County Seismic Safety and Safety Element, 1979).

Geologic mapping during this study confirmed a modest southerly dip of strata in the Sespe Formation, as mapped by Dibblee (1987) and as shown on the Geologic Map, Plate 1. The structural relationships at the site are relatively simple, with south-dipping strata of the Sespe Formation interrupted by the Glen Annie Fault and massive Vaqueros Sandstone present on the



south side of the fault. Geologic structure is illustrated on Geologic Cross-Sections A and B, Plate 2.

### **RECLAMATION PLAN REVIEW**

As shown on Section A-A', the Reclamation Plan (Sid Goldstien, 2002) shows the final configuration of the quarry with a level area at elevation 150 feet, bordered on the north by a 150-foot high cut slope at an overall inclination of 2.6:1 (21°) with three intervening benches. The final individual slopes are planned to be overall 2:1 (26.5°) slopes, with portions varying from 4:1 (14°) at the ends to a short section (0 feet wide at the top to 75 feet wide at the base) of the second-highest slope at 1.5:1 (33°). The highest bench is a minimum of 50-feet wide; the middle bench varies in width from 15- to 45-feet and the lower bench is planned at a constant width of 16-feet.

The upper half of the final cut slope will expose south-dipping, poorly bedded sandstone and siltstone strata of the Sespe Formation. The lower half of the slope will expose massive sandstone of the Vaqueros Sandstone. Bedding in the Sespe Formation will be at an angle slightly shallower than the inclination of portions of the individual slopes but steeper than the overall slope. The shallow dip of the Sespe Formation is mitigated by the mapped absence of clay-rich strata, the design provision for wide benches and an overall slope at a less angle than the angle of bedding.

The lower half of the final 2:1 cut slope will expose massive to thickly bedded Vaqueros Sandstone dipping 27° to 30° to the south. The slope will have a 16-foot mid-slope bench and, in my opinion, will be grossly and superficially stable as designed. The proposed Revegetation Plan (Goldstien, 2002) includes seeding the final slopes with a diverse mix of native and adapted plants that will mitigate the potential for shallow slope failures as well as control erosion.

There is a potential for temporary, local seepage to occur in the vicinity of the Glen Annie fault plane where it is exposed on the cut slope. This is an unpredictable but relatively common occurrence on cut slopes, usually occurring during years of higher than average rainfall. Were seeps to occur in sufficient volume, they could lead to local instability or erosion on the lower portion of the cut slope. Measures to remedy any potential seepage and erosion problems are readily available and include surface drainage ditches, gravel drains and linings and additional plantings.

### **CONCLUSIONS**

Based on the results of this investigation, the final designed slopes of the quarry are in accordance with the geologic environment and are feasible from an engineering geologic standpoint.

This engineering geologic overview has been based upon what is believed to be currently applicable standards of the engineering geology profession at this time and locality. This warranty is in lieu of all other warranties, either expressed or implied. The contents of the assessment are valid as of the date of preparation. However, changes in the condition of the site can occur over time as a result of either natural processes or human activity.

My assessment has been prepared for the exclusive use of Santa Barbara Sand and Topsoil Corporation and their authorized agents. My report may not address issues or conditions considered pertinent to other parties for other uses.

Elwood Ranch Quarry  
Engineering Geologic Report  
July 11, 2002

Thank you very much for this opportunity to have been of service. In the event you have any additional questions, please do not hesitate to call.

Respectfully submitted,  
FISHER GEOLOGIC



James E. Fisher, C.E.G. 1007  
Principal Engineering Geologist

Distribution: (1) Addressee  
(3) Sid Goldstien, Civil Engineer



## APPENDIX A

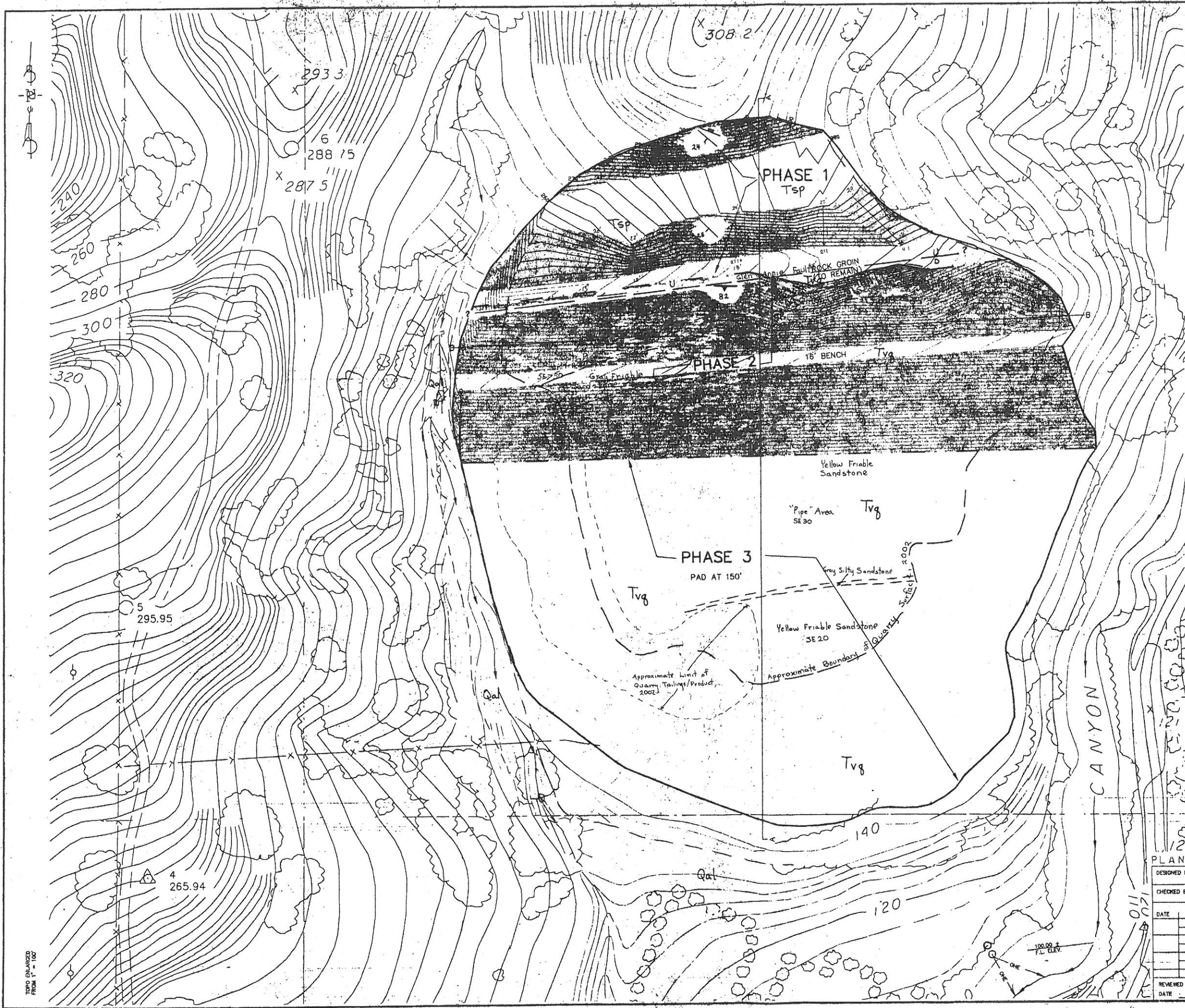
### References

Dibblee, T. W. Jr. (1966), *Geology of the Santa Ynez Mountains, Santa Barbara County, California*, California Division of Mines and Geology Bulletin 186.

Dibblee, T.W. Jr. (1987), *Geologic Map of the Dos Pueblos Quadrangle*, Dibblee Geological Foundation, Map #DF-09.

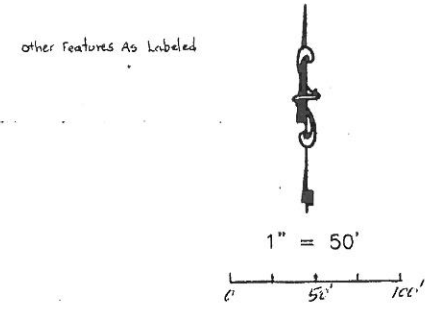
County of Santa Barbara (1979, rev. 1991), *Seismic Safety and Safety Element*, Santa Barbara County Comprehensive Plan.

Sid Goldstien, Civil Engineer (2002), *Revised Mining Reclamation Plan for Elwood Ranch Quarry*, Exhibit D, Sheets 1 and 3.



- GEOLOGIC LEGEND**
- UNITS**
- Qal Alluvium
  - Tvq Vagueros Formation; marine Sandstone (Early Miocene)
  - Tsp Sespe Formation; non-marine Sandstone & Siltstone (Oligocene)

- SYMBOLS**
- Geologic contact
  - Strike and Dip of Bedding
  - Strike and Dip of Joint
  - Strike and Dip of Fault Plane



PHASE	AREA	ESTIMATED MINED MATERIAL
1	1.5 ACRES	COMPLETED (0)
2	3.5 ACRES	
3	5.1 ACRES	
TOTAL	10.1 ACRES	

**LEGEND**

EXISTING OAK TREES

Geology Mapped by James Fisher, CEG 1007

**GEOLOGIC MAP**

SCALE 1" = 50' CLIENT Santa Barbara Sand & Gravel Corp.

DATE July 2002 JOB SITE Ellwood Ranch Quarry, Goleta

Fisher Geologic Santa Barbara 4302 PROJECT NUMBER 020502 PLATE NO. 1

**EXHIBIT G**

**SAND QUARRY RECLAMATION PLAN**

ELLWOOD RANCH INC.

ASSESSOR'S PARCEL NO. 79-100-17

COUNTY OF SANTA BARBARA, CALIFORNIA

PREPARED BY: MACOMBER SURVEYING 100 VEGA DRIVE GOLETA, CA 93117 PH (805) 967-9226

DATE

DESIGNED BY

CHECKED BY

DATE

REVISION DESCRIPTION

APPROVED

REVIEWED

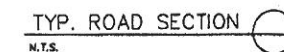
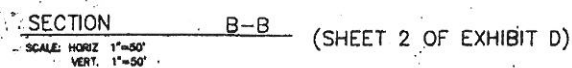
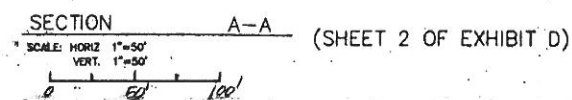
DATE

BY

SCALE AS NOTED

SHEET 1 OF 1 SHEETS





- ## GENERAL NOTES

1. THE APPLICANT SHALL MAINTAIN A BERM, 8-10 FEET HIGH, ON THE SOUTH SIDE OF THE EXCAVATION AREAS AS PHASES I, II, AND III PROCEED.
2. STOCKPILING OF THE GUARDED MATERIAL SHALL BE CONDUCTED BY MOVING IT TO THE WEST SIDE OF THE QUARRY SITS AND DOWNSLOPE BY GRAVITY OR EXCAVATED. NO SIDE-CASTING SHALL BE PERMITTED OVER THE SOUTH FACE OF THE QUARRY EXCEPT FOR THE AREA ALREADY DISTURBED BY PREVIOUS GUARDING ACTIVITY.
3. THE EXPOSED CUT SLOPE SHALL BE VEGETATED OR HYDROSEEDING CONDUCTED AS SOON AS POSSIBLE TO HELP STABILIZE THE SLOPE, PREVENT EROSION, AND REDUCE LOSS OF VISIBILITY.

- GRADING NOTES

1. ALL FILL AREAS ARE TO BE CLEARED OF ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FOR A STRUCTURAL FILL AND THE AREA EXCAVED TO A DEPTH OF 6".
2. FILL MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 6 INCHES IN COMPACTED THICKNESS AND COMPACTED AT OPTIMUM MOISTURE CONTENT BY APPROVED METHOD.
3. ALL FILL TO BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. D-1557-40T (MODIFIED TO 2 LAYERS); AND SO CERTIFIED BY TESTS AND REPORTS FROM A SOILS ENGINEER.

GEOLOGIC CROSS-SECTIONS A & B			
SCALE 1" = 50'	CLIENT		
DATE July 2002	SANTA BARBARA SAND/TOPSOIL CORP.		
JOB SITE	Elwood Ranch Quarry, Goleta		
fisher@geologic.com	214 N. Milpas St. STE F Santa Barbara 93103	PROJECT NO. 020502	PLATE NO. 2

EXHIBIT G

DESIGNED BY _____		<p align="center"><b>SAND QUARRY</b>  <b>SECTIONS &amp; DETAILS</b>  <b>ELLWOOD RANCH INC.</b>          ASSESSOR'S PARCEL NO. 79-100-17          COUNTY OF SANTA BARBARA, CALIFORNIA</p>
CHECKED BY _____		
DATE _____	REVISED DESCRIPTION _____	
_____	APP'D _____	
_____	_____	
_____	_____	PREPARED BY: <b>MACOMBER SURVEYING</b> 100 VEGA DRIVE GOLETA, CA. 93117 PH (805) 967-9226
_____	_____	
_____	_____	
REVIEWED _____	DATE _____ BY _____	DATE <u>7/03/02</u> SCALES AS NOTED
SHEET 3 OF 3 SHEETS		





H DRAINAGE EXHIBIT

11/29/17

1048







2 of 8

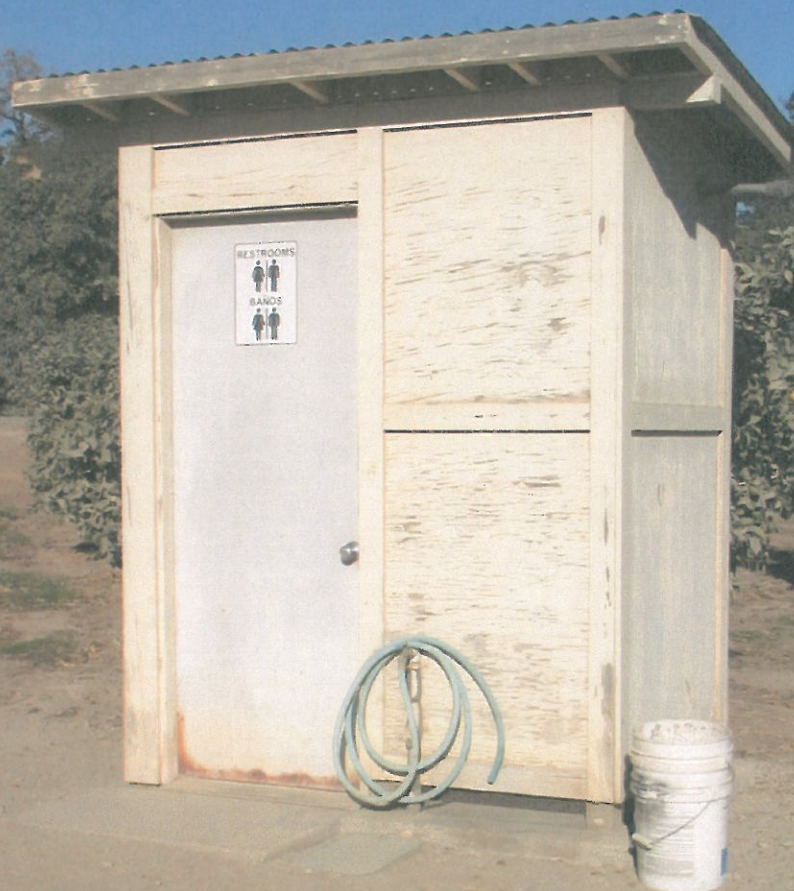
11/29/17

EXHIBIT H



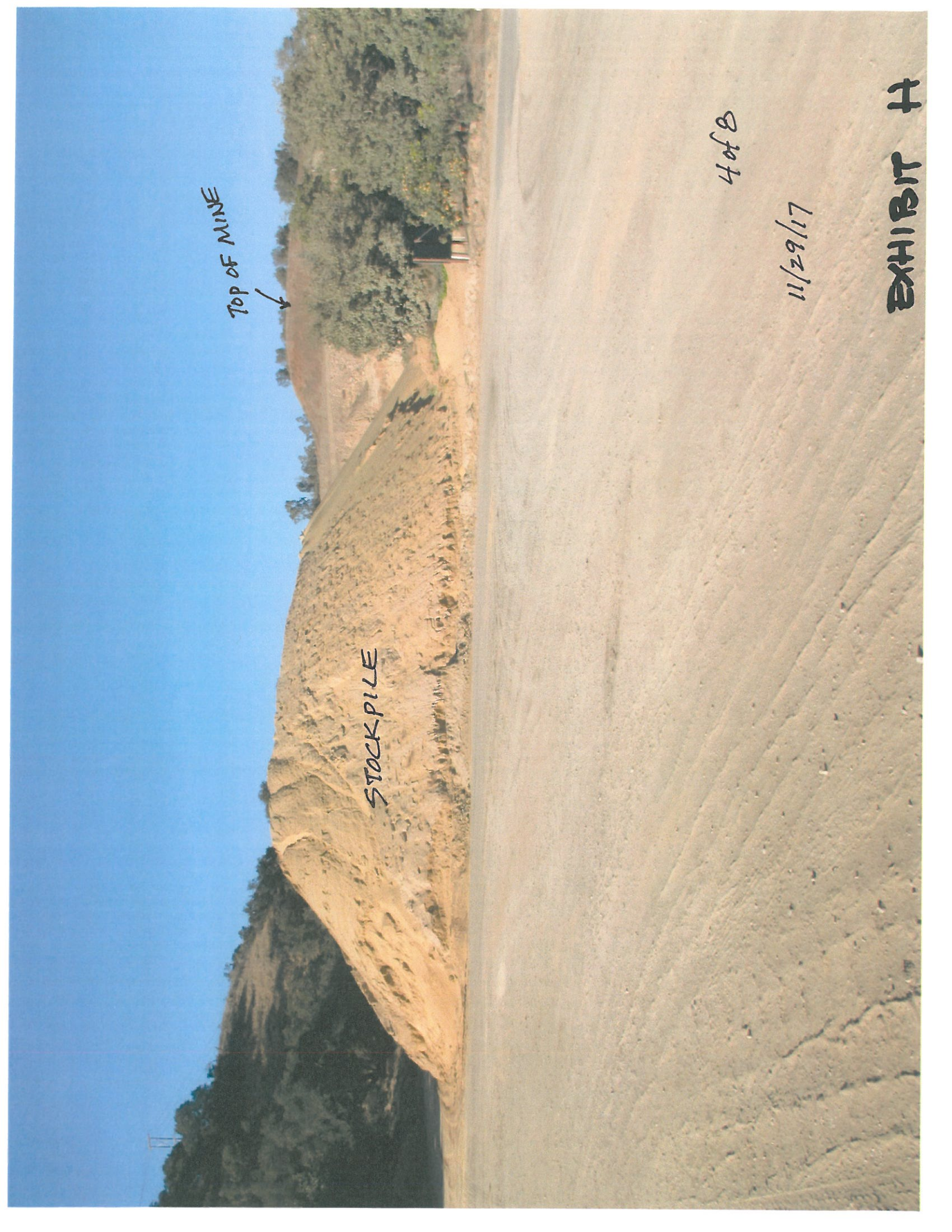
3 of 8

EXHIBIT H



11/29/17





STOCKPILE

TOP OF MINE  
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4 of 8

11/29/17

EXHIBIT H



EXHIBIT H

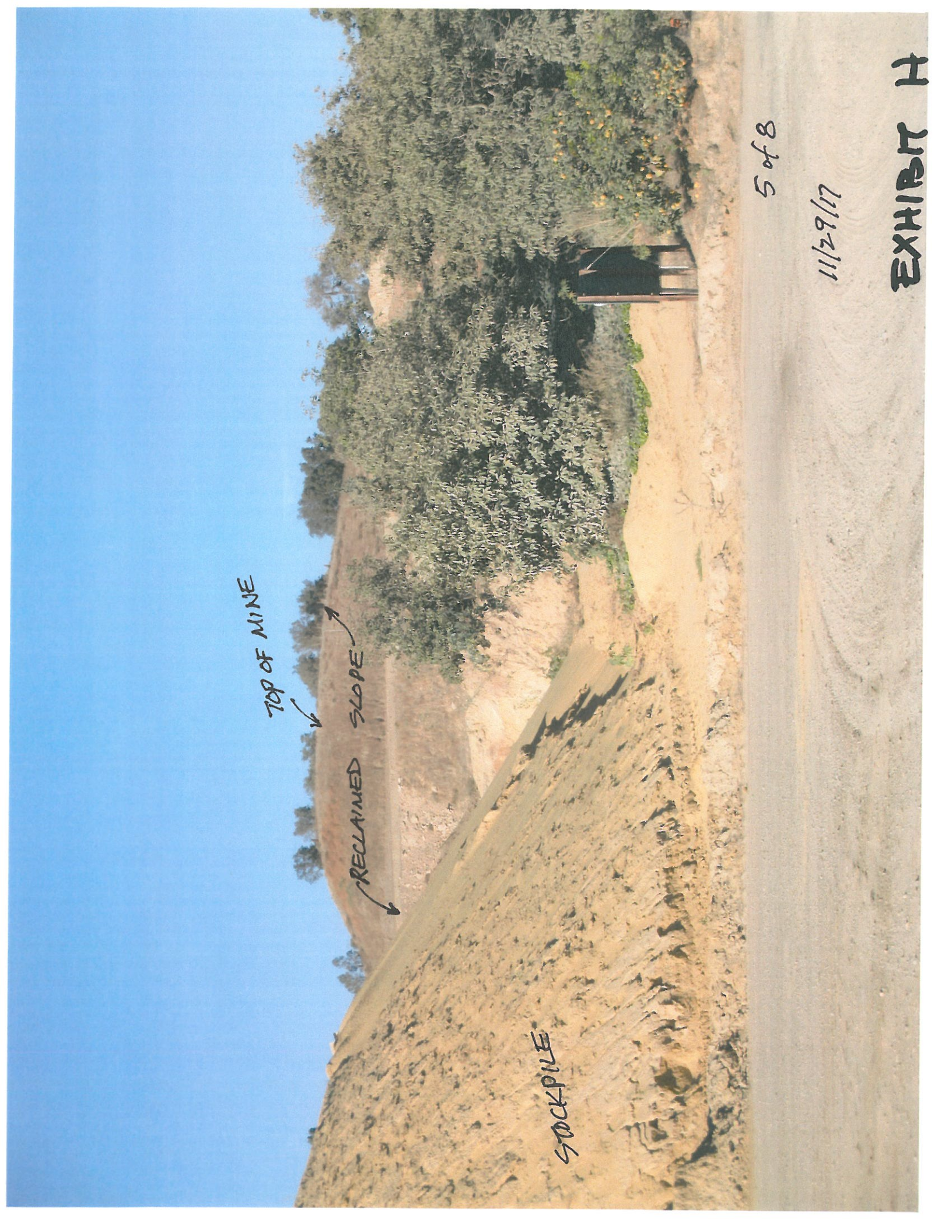
5 of 8

11/29/17

TOP OF MINE

RECLAIMED SLOPE

GOCKPINE





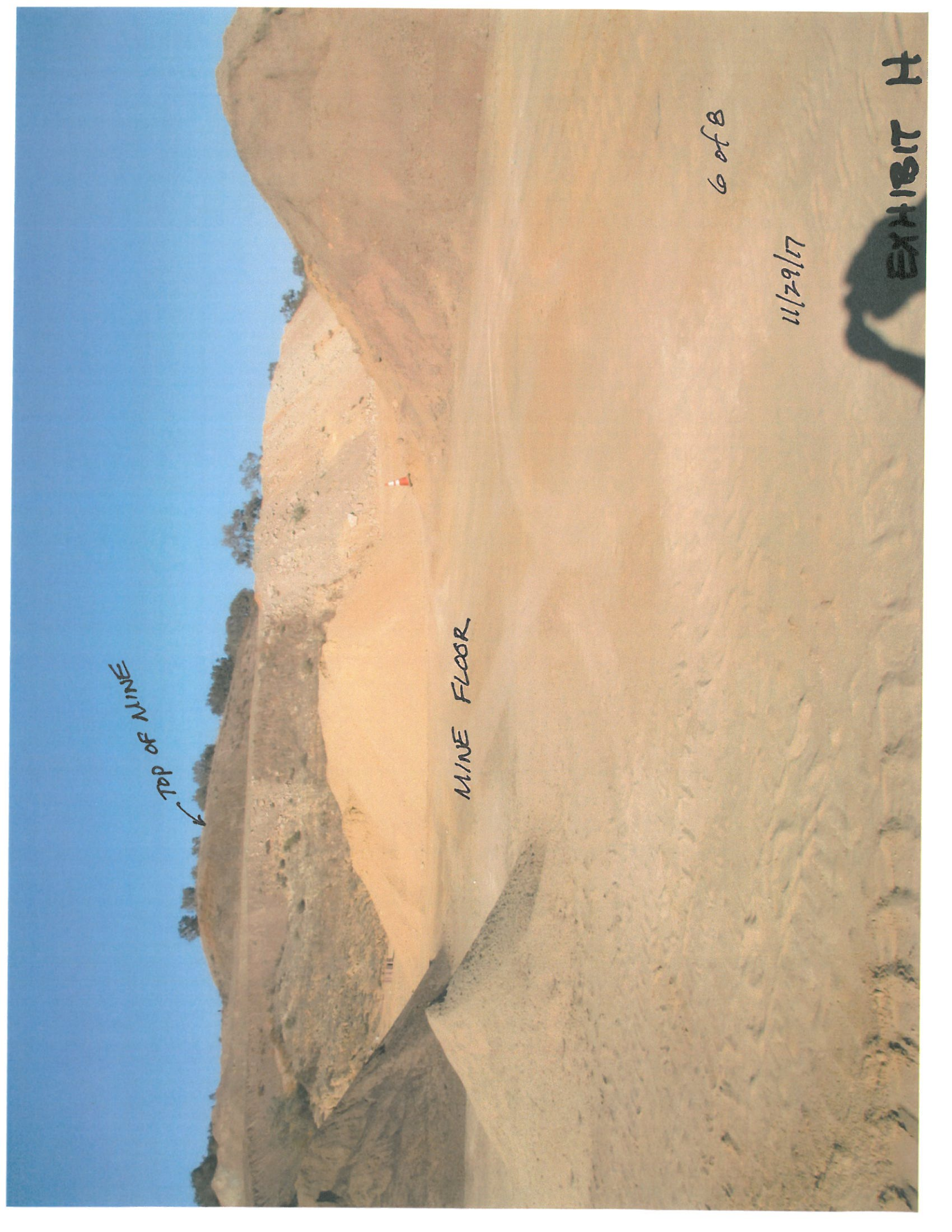
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11/29/11

6 of 8

MINE FLOOR

TOP OF MINE  
↙





SHAKER

stockpile

11/29/17

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EXHIBIT H



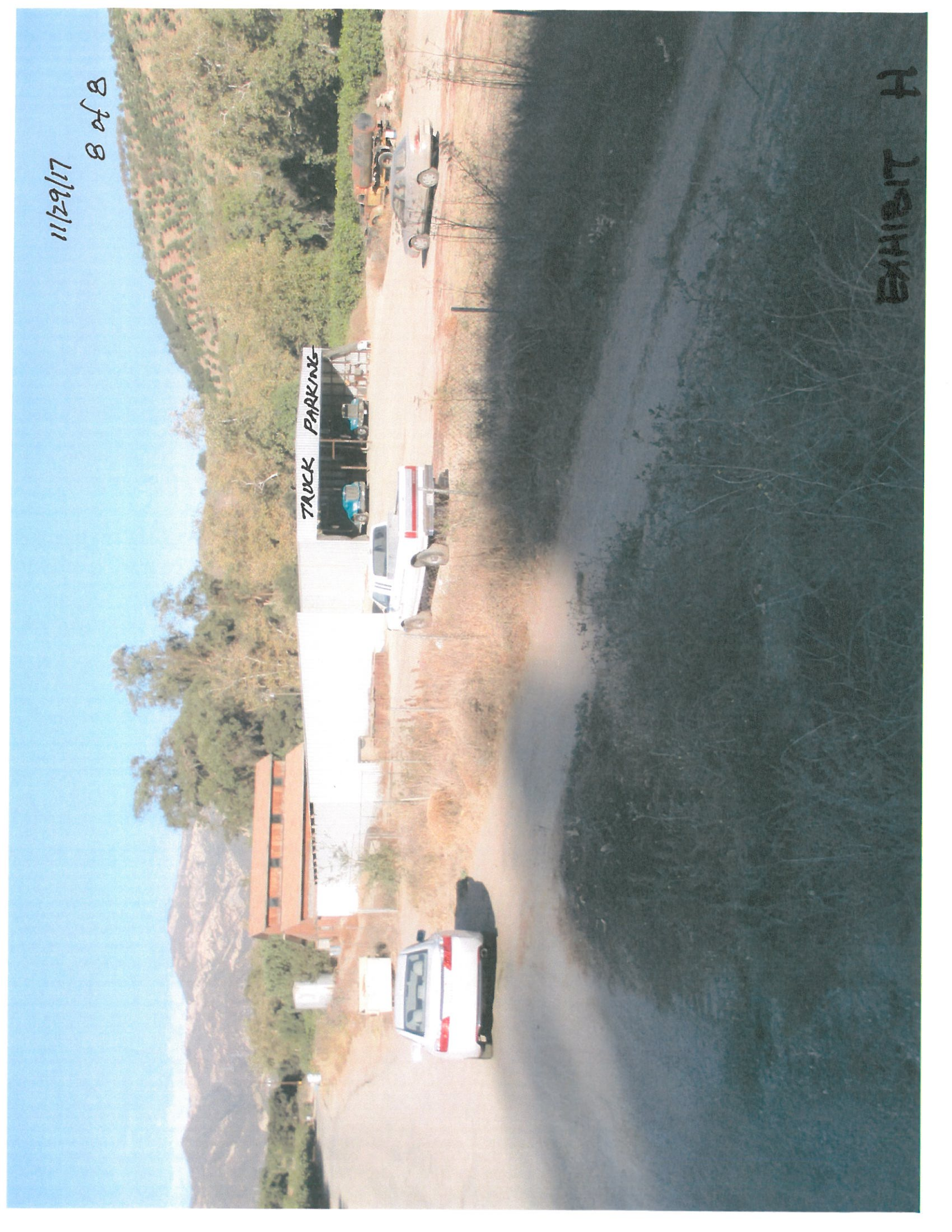


11/29/17

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TRUCK PARKING

EXHIBIT H









State of California • Natural Resources Agency  
Department of Conservation  
**Division of Mine Reclamation**  
801 K Street • MS 09-06  
Sacramento, CA 95814  
(916) 323-9198 • FAX (916) 445-6066

Edmund G. Brown Jr., *Governor*  
Pat Perez, *Supervisor*

May 15, 2018

**VIA EMAIL: [jdargel@countyofsb.org](mailto:jdargel@countyofsb.org)**  
**ORIGINAL SENT BY MAIL**

Mr. Joseph Dargel  
Santa Barbara County Planning and Development Department  
123 E. Anapamu Street  
Santa Barbara, CA 93101

ELLWOOD QUARRY, CA MINE ID #91-42-0020  
REVISED CONDITIONAL USE PERMIT AND AMENDED RECLAMATION PLAN  
COUNTY CASE NOS: 18RVP-00000-00016 AND 02RPP-00000-00001

Dear Mr. Dargel:

The Division of Mine Reclamation (DMR) has reviewed the amended reclamation plan (plan) and revised conditional use permit (CUP) for the Ellwood Quarry, also known as Ellwood Ranch Quarry. The applicant, Santa Barbara Sand and Topsoil Corporation, is proposing to extend the period of mining sand on an existing 19-acre surface mining facility for an additional 25 years. No other changes are proposed to the permit conditions, reclamation plan (as approved 11/20/2002), or operation or reclamation of the Ellwood Quarry.

The mining operation is located on approximately 12 acres of 191-acre property just west of Goleta. The end uses for the site will be agriculture and open space/wildlife habitat.

SMARA (Public Resources Code (PRC) Division 2, Chapter 9, Section 2710 et seq.) and associated regulations (California Code of Regulations (CCR) Title 14, Division 2, Chapter 8, Subchapter 1, Articles 1 and 9) require that specific items be addressed or included in reclamation plans. Prior to approving the reclamation plan, please consider the following comments, which were prepared by a restoration ecologist and a geologist pursuant to PRC Section 2772.1(b)(2).

#### **General Considerations**

(Refer to PRC Sections 2770, 2772, 2773 and 2776 and CCR Sections 3502, 3709, and 3713)

#### **Comment 1-**

To fulfil the requirements of PRC Section 2772.1, the lead agency should ensure the map requirements are met as summarized under the heading *Post-Approval Procedures*.

#### **Notice: Updated Procedures**

The passage of Assembly Bill 1142 in 2016 (specifically, the newly-created PRC Section 2772.1) changed the administrative requirements for submitting, reviewing, and approving a reclamation plan or reclamation plan amendment (hereafter: Plan). We have summarized the updated procedures below. Please ensure that your agency allows adequate time in the approval process to meet these new requirements. The full text of the current statute and regulations can be found at this website: <http://www.conservaion.ca.gov/index/Pages/lawsregs.aspx>.

**EXHIBIT J**

*Pre-Approval Procedures:*

Once DMR has provided comments, the lead agency must provide a written response to the comments at least 30 days before you intend to approve the Plan.

- The proposed response must include a description of how you propose to adopt DMR's comments; and/or a detailed description of the reasons for not adopting DMR's comments.
- Forward a copy of DMR's comments and your responses to the operator.
- Provide at least 30 days' notice of the time, place, and date of the approval hearing, or if no hearing is required, provide 30 days' notice to DMR of the Plan approval date.

*Post-Approval Procedures:*

Within 30 days following approval of the Plan, notify DMR of the approval. Within 60 days following the approval, provide DMR an official copy of the approved Plan that incorporates all approved modifications. Additionally,

- The Approved Plan should include an Appendix containing copies of any permit conditions of approval and any binding mitigation measures (pursuant to CEQA) that are needed to meet the requirements of SMARA.
- The permit conditions of approval and binding mitigation measures (and their locations) should be shown in an Index.
- All maps, diagrams, and calculations that require preparation in accordance with the California Business and Professions Code must include the licensed professional's license number, name, signature, and seal/stamp [PRC Section 2772(c)(5)(f)].

If you have any questions on these comments or require any assistance with other mine reclamation issues, please contact either of us at (916) 323-9198.

Sincerely,



Beth Hendrickson, Manager  
Environmental Services Unit



Ian Stevenson, Manager  
Engineering Geology Unit





## ATTACHMENT B-1: CONDITIONS OF APPROVAL

Ellwood Quarry Conditional Use Permit  
17RVP-00000-00082 to 02CUP-00000-00006  
CA Mine ID# 91-42-0020  
APN 079-100-017

Listed below are the Conditions of Approval included in Conditional Use Permit 02CUP-00000-00006 as revised by the Board of Supervisors on January 21, 2003. These conditions have been modified as shown in ~~strikeout~~ and underline to reflect changes proposed by the applicant and the current conditions on the site. Monitoring of compliance with these conditions would be accomplished by County staff as part of the mandatory annual site inspections conducted pursuant to the Surface Mining and Reclamation Act.

1. **Proj Des-01 Project Description.** This Conditional Use Permit is based upon and limited to compliance with the project description, the hearing exhibits marked A-F, dated March 15, 2018, and all conditions of approval set forth below, including mitigation measures and specified plans and agreements included by reference, as well as all applicable County rules and regulations. The project description is as follows:

The project request is for a revision (Case No. 17RVP-00000-00082) to Conditional Use Permit 02CUP-00000-00006 to extend the life of the existing mining operation for 25 years to December 31, 2043. The existing Reclamation Plan was approved by the County Planning Commission in 2002 and the Conditional Use Permit (CUP) was approved by the Board of Supervisors in 2003. The CUP is scheduled to expire in August of 2018 while the Reclamation Plan is scheduled to expire on December 31, 2022.

Ellwood Quarry is an existing mining facility that produces sand through the excavation of a Vaqueros Formation outcrop located about one-half mile north of Cathedral Oaks Road, just west of Goleta. Other than size sorting, no processing of the produced sand takes place on the site. All support structures, access roads and other necessary facilities are in place and currently in use. These facilities include above-ground fuel tanks, an office trailer with a toilet, truck scale, shop building, and water system. Eight full-time employees are involved in the mining operation. The project site is zoned AG-II-100, totaling 191 acres on Assessor's Parcel Number 079-100-017, and located at 1300 Ellwood Ranch Road in Goleta, CA, Third Supervisorial District.

This mining facility currently operates under the authority of Conditional Use Permit 02CUP-00000-00006. Modification of CUP Conditions of Approval #6 and #50 involving the time period for mining is requested. No other changes in the permit conditions or operation of Ellwood Quarry are proposed.

The CUP authorized mining activities for a 15-year period, ending in August, 2018. Market demand during the previous 15 years has been lower than originally estimated and mining authorized under 02CUP-00000-00006 will not be completed within the timeframe originally estimated. The operator requests that Condition #6 be modified to extend the timeline for completion of mining by 25 years to December 31, 2043, subject to the requirements of Conditions of Approval #6 and #50. Discussed below are estimates of product volume and the remaining time required to complete mining.

Sand excavated from the Ellwood Quarry is used for a number of construction, landscaping, and commercial purposes. All of the excavated material is saleable product and no mining waste is generated. Topsoil is stockpiled for use in reclamation. The total excavation volume approved under 02CUP-00000-00006 is 1,028,250 cubic yards. Of this total, 332,300 cubic yards of material remains within the limits specified in the original CUP and Reclamation Plan. At an average annual production rate of 16,000 cubic yards per year, it would require approximately 21 years to complete mining. As indicated above, the applicant proposes to extend the timeframe for completion of mining for 25 years to account for potential future downturns in market demand.

EXHIBIT K

Ellwood Quarry is operated Monday through Friday (except national holidays) from 7:00 am to 4:30 pm. Sand is transported from the quarry site during these hours via large trucks operated by the quarry and by customers of the quarry.

Any deviations from the project description, exhibits or conditions must be reviewed and approved by the County for conformity with this approval. Deviations may require approved changes to the permit and/or further environmental review. Deviations without the above described approval will constitute a violation of permit approval.

2. Lighting shall be designed so as not to interfere with vehicular traffic on any portion of the streets.
3. All signs shall comply with Santa Barbara County Code Chapter 35 (Sign Regulations).
4. ~~Within 90 days of approval of the proposed Revised Conditional Use Permit, the applicant shall obtain an updated Land Use Permit that incorporates the conditions of approval of this conditional use permit. After 90 days, this CUP shall not be in effect unless a Land Use Permit has been obtained.~~
4. **Rules-12 CUP Expiration.** The Owner/Applicant shall obtain the required Zoning Clearance within the 18 months following the effective date of this Conditional Use Permit. If the required Zoning Clearance is not issued within the 18 months following the effective date of this Conditional Use Permit, or within such extended period of time as may be authorized in compliance with Section 35.83.030 of the County Land Use And Development Code, and an application for an extension has not been submitted to the Planning and Development Department, then Conditional Use Permit shall be considered void and of no further effect.
5. ~~Compliance with departmental letters:~~
  - a. ~~Environmental Health letter dated June 18, 1987.~~
  - b. ~~Flood Control letter dated September 16, 1986.~~
  - c. ~~Public Works letters dated June 19, 1987 and September 16, 1987, with the condition that the centerline stripe on Winchester Canyon Road shall be removed as a solid double yellow line two feet to the east of the existing location after any road improvements required by condition on Winchester Canyon Road are completed.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. The conditions from these department letters have been satisfied and are no longer applicable.*

6. Upon the issuance of a Zoning Clearance (refer to Condition #4 above), this Conditional Use Permit shall be effective until December 31, 2043, or the date upon which the quarry slopes reach final grade as specified in the approved reclamation plan, whichever occurs first. The applicant may request a modification of this condition of approval in accordance with the procedures established at the time of the request.

~~Upon issuance of a Land Use Permit (refer to Condition #4 above), this permit shall be effective for a period of fifteen (15) years subject to adjustment as follows: If during the fifteenth (15th) year after issuance of the Land Use Permit, the volume of remaining sand reserves is determined by the County to be 50,000 cubic yards or more, Condition #50 shall then apply in the same manner as if sand reserves were then determined to be 50,000 cubic yards or less.~~

4 T1014X3



~~During the fifth (5th) year after issuance of the Land Use Permit, the Planning Commission shall hold a public hearing to review the permit compliance record of the operation.~~

~~During the tenth (10th) year after issuance of the Land Use Permit, the Planning Commission shall hold a public hearing to review the permit compliance record of the operation. If determined by the Planning Commission that the existing permit conditions are inadequate to effectively minimize adverse effects caused by the project, the Planning Commission may impose other reasonable and feasible permit conditions to further reduce these effects. In considering whether to impose any such other conditions, the Planning Commission shall consider the economic burdens to be imposed, the benefits to be derived from the new condition, and the remaining permitted life of the operation.~~

7. ~~Prior to issuance of a Land Use Permit, the applicant shall oil the road section on his property which his currently unsealed shale (a section of about 1,500 feet).~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. Work was completed at the time of initial quarry development.*

8. The owner of the property and the operator of the sand quarry, Santa Barbara Sand and Topsoil, shall limit diesel sand transport trucks to ~~96~~ 40 daily trips (~~48~~ 20 trips in and ~~48~~ 20 trips out) in any one day with a maximum total of ~~13,440~~ trips/year. Operations would occur weekdays excluding national holidays, except in emergencies involving threat to public health, safety or welfare. The operator shall inform P&D in writing of a response to such an emergency.

**Monitoring:** County staff ~~would~~ shall monitor compliance with this condition by reviewing quarry records during the annual SMARA inspection and by response to complaints by the public.

9. ~~Prior to issuance of a Land Use Permit, the applicant shall provide security that within one year of issuance of the Land Use Permit, the existing access road passing through the Bradley property shall be widened to 20 feet, the existing sharp curve shall be straightened, and an all-weather oiled surface on the access road shall be maintained.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. Work was completed at the time of initial quarry development.*

10. ~~Prior to issuance of a Land Use Permit, the applicant shall demonstrate legal access rights to the site via appropriate easements.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. Easement was obtained at the time of initial quarry development.*

11. ~~Prior to issuance of a Land Use Permit, the applicant shall install and maintain a stop sign at the intersection of the private road entering Winchester Canyon Road, in coordination with the Public Works Department. The applicant shall be responsible for funding and maintenance of the stop sign.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. This condition is no longer applicable due to the completion of the Cathedral Oaks Road extension.*

12. The dirt access roads shall be treated in a manner to minimize dust generation (e.g. oiled or paved) and maintained in a compacted condition.

**Monitoring:** County staff shall inspect the condition of quarry access roads during the annual SMARA inspection and order corrections if required.

13. In order to control fugitive dust, each load shall be sprinkled with water after being loaded into trucks. The dirt access roads used in the quarry operation and loading area shall receive liberal applications of water by sprinkler truck or hose as frequently as needed to control dust.

**Monitoring:** County staff shall inspect the condition of quarry access roads and verify that facilities are in place for the watering of product loads during the annual SMARA inspection and order corrections if required.

14. The applicant shall allow Air Pollution Control District inspectors to inspect sand transport trucks outside the project boundaries to check the loads for adequate watering.

**Monitoring:** APCD inspectors shall respond to complaints regarding fugitive dust from sand transport trucks.

15. The area of active disturbance in the quarry shall be limited to not more than one acre at a time.

**Monitoring:** County staff would monitor compliance with this condition through inspection of the active quarry area during the annual SMARA inspection.

16. All parts of the quarry which have been disturbed, but are temporarily not subject to further quarrying, shall be specially treated with a water/dust control chemical mix such as a polyvinyl acetate emulsion on an as-needed basis to control dust generation. For bared portions of the site to remain undisturbed for a year or more, grass seed shall be added to control water erosion.

**Monitoring:** County staff shall monitor compliance with this condition through inspection of the active quarry area and other disturbed areas during the annual SMARA inspection. ~~County staff would order watering, chemical application~~

17. All diesel equipment shall be maintained in the best possible working order, with servicing undertaken at least as often as recommended by the manufacturer.

**Monitoring:** APCD inspectors shall respond to complaints regarding excessive emissions from sand transport trucks.

18. Prechamber diesel engines or their equivalent shall be used if feasible and available. In the event the applicant finds these engines are not available, the applicant shall submit a list of manufacturers contacted to provide evidence that the engines are not available.

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**Monitoring:** APCD inspectors shall respond to complaints regarding excessive emissions from sand transport trucks.

19. An overnight parking area for all diesel sand transport trucks shall be established and maintained approximately 2240 feet north of the proposed sand loading site or at an established, legally permitted offsite parking area. All diesel trucks of the operator shall be parked at the designated location overnight and shall perform their initial warm-up at that site before going to the sand pit.

**Monitoring:** APCD inspectors shall respond to complaints regarding excessive emissions from sand transport trucks. County staff shall check the truck parking area for compliance during the annual SMARA inspection.

20. The diesel sand transporting trucks' engines shall be subjected to 4% timing retard to reduce NO<sub>x</sub> emissions.
- Monitoring:** APCD inspectors shall respond to complaints regarding excessive emissions from sand transport trucks.
21. The applicant shall not operate the shaker-stacker without a valid permit from the Air Pollution Control District.
- Note: The applicant has obtained the required permit.*
22. Quarry truck traffic shall use Cathedral Oaks Road and Calle Real to travel between the mining site and U.S. Highway 101.
23. The operator shall direct truck drivers to disable the "Jakes Brakes" in use on the dump trucks for highway driving whenever the trucks leave the highway.
- Monitoring:** County Permit Compliance shall respond to complaints regarding excessive noise from sand transport trucks.
24. Truck traffic associated with the quarry shall be limited to hours of 7:00 a.m. to 4:30 p.m. on weekdays. Should an emergency occur, the operator may request an emergency Permit approval that could to authorize quarry operations outside of the hours listed above.
- Monitoring:** County staff shall respond to complaints regarding trucks operating outside of authorized hours.
25. The applicant shall maintain a berm, 8-10 feet high, on the south side of the excavation areas as Phases I, II and III proceed.
- Monitoring:** County staff would monitor compliance with this condition through inspection of the active quarry area during the annual SMARA inspection.
26. ~~Prior to issuance of a Land Use Permit, the applicant shall submit a written agreement with the operator of the quarry to the Resource Management Department indicating the number of truck trips during the afternoon peak hour (4:00-5:00 p.m.) would be limited to not more than ten (10) trips, except in an emergency involving threat to public health, safety, or welfare. The operator shall inform RMD in writing of a response to such an emergency.~~
- Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. Operator complied with this requirement. Refer to revised condition #24 regarding an emergency.*
27. ~~The applicant shall plant a four-acre portion of land adjacent to the project site with at least 225 oak trees. Oak trees from the same species shall be started from acorns collected onsite by germination in 8" x 15" growing tubes and planted at a density of one tree per 400 square feet. New planting shall be protected with one-half inch chicken wire tubes installed with the growing tubes and protected with adequate stakes. Long term maintenance would include occasional watering during the first three years with tapering off of the watering schedule to promote drought hardening in each tree. Any failed trees shall be replaced. The program shall be coordinated with the oak tree specialist with the Los Padres National Forest, currently Mark Borehard.~~



*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. The 225 oak trees were planted many years ago and are well established.*

28. ~~The U.S. Forest Service shall be consulted prior to approval of the oak replanting scheme identified by the applicant. Copies of any agreement with the Forest Service as to the replanting program shall be submitted to RMD for review and approval. The Forest Service recommendations as to siting of the oak trees or vegetation management strategies shall be followed wherever practical.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. The 225 oak trees were planted many years ago and are well established.*

29. ~~If the project revegetation detailed in Condition #27 has not been completed prior to issuance of a Land Use Permit for the project, the applicant shall post a bond of \$10,000 to assure completion of the planting. Prior to issuance of a Land Use Permit, a bond shall also be posted to ensure maintenance for a five year period. The maintenance portion of the bond shall be released by the Clerk of the Board of Supervisors upon expiration of the five year maintenance period and upon receipt of notice from RMD that maintenance has been adequate.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. The 225 oak trees were planted many years ago and are well established.*

30. ~~Reports detailing the results of the program in condition #27 shall be submitted by the applicant to RMD and the Los Padres National Forest staff at 2, 5, and 10 year stages of the program. The reports shall indicate the trees' annual height increases, survival rates of all trees in the replanted area, causes of failure, and any recommendations for improving the experiment.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. The 225 oak trees were planted many years ago and are well established.*

31. Site inspections to verify compliance with the conditions of approval of this permit shall be conducted at annual intervals in coordination with the annual inspections required by the Surface Mining and Reclamation Act. Additional inspections may be conducted if deemed necessary by the Director of Planning and Development in order to assure compliance. The applicant shall pay the cost of any required inspections by Planning and Development staff, or designated representative, based upon an hourly rate established by the Board of Supervisors. Payment of inspection fees shall be made within 30 days of written request by the County.

32. Tractor and skid loader access shall be limited to roads already existing onsite. Truck access shall be limited to the southwest corner of the quarry site. There shall be no intrusion into the drainage on the west side of the site.

**Monitoring:** County staff would monitor compliance with this condition through inspection of the active quarry area during the annual SMARA inspection.

33. All foot and equipment traffic shall be restricted to the immediate mining site, the loading area and the access road to reduce the potential of inducing root fungus into nearby orchards.

**Monitoring:** County staff would monitor compliance with this condition through inspection of the quarry area during the annual SMARA inspection.

34. The existing primary desilting basin shall be maintained at a sufficient size to contain storm run-off from a 10-year event. An additional desilting basin of sufficient size to contain a 10-year event shall be built to service the overnight truck parking area.

**Monitoring:** County staff would monitor compliance with this condition through inspection of the desilting basins during the annual SMARA inspection.

35. The chain link fence installed along the western edge of the quarry outside of the dripline of the oak trees present along the canyon drainage shall remain in place throughout all mining and reclamation activity.
36. ~~Prior to issuance of a Land Use Permit, the 200' x 50' area of the landform where artifacts were recovered shall be resurveyed by a DER-qualified archaeologist with 2 meter (6-foot) transect intervals and all artifacts mapped and collected.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. The required survey was conducted at the time of initial quarry development.*

37. ~~All excavation on the landform within the upper five feet of soil, or to bedrock, shall be monitored by a DER-qualified archaeologist and a Native American, funded by the applicant. These individuals shall be empowered to temporarily suspend or redirect grading and/or excavation should potentially significant cultural resources be encountered. Work in such areas shall cease until the finds can be recorded, evaluated, and an appropriate mitigation program developed by the archaeologist, and funded by the applicant. An agreement between the applicant, the archaeologist, and the Native American consultant to perform the archaeological investigations shall be presented to RMD prior to issuance of a Land Use Permit.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. Excavation in the upper five feet of soil was completed several years ago.*

38. ~~All soils removed from areas known to contain artifacts shall be stockpiled at a central location to prevent their transport to other locations beyond the project area. The location of the stockpiled soils shall be recorded by the archaeological monitor on a project map filed with the County of Santa Barbara and the Regional Office of the California Archaeological Site Survey, UCSB.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. Work was completed at the time of initial quarry development.*

39. The exposed cut slope shall be revegetated or hydromulched as soon as practicable to help stabilize the slope, prevent erosion, and reduce slope visibility.

**Monitoring:** County staff shall monitor compliance with this condition through inspection of the active quarry area during the annual SMARA inspection. Finish grading and revegetation may be required of slopes determined by the County to be essentially at final grade.

40. A 2:1 final slope, conforming to natural bedding planes and the maximum stability, shall be provided for the south-facing hillside.

**Monitoring:** County staff would monitor compliance with this condition through inspection of the quarry slopes during the annual SMARA inspection.

41. Stockpiling of the quarried material shall be documented by moving it to the west side of the quarry site and downslope by gravity or skiploader. No side-casting shall be permitted over the south face of the quarry except for the area already disturbed by previous grading activity.

**Monitoring:** County staff shall monitor compliance with this condition through inspection of the active quarry area during the annual SMARA inspection.

42. Aesthetics shall be considered in the management of the access road along the southwest side of the quarry. This road shall not be widened or its alignment altered so as to cause excessive cuts or sidecasting of fill along the route of the access road, if such disturbance would be visible from public viewpoints to the south.

**Monitoring:** County staff shall monitor compliance with this condition through inspection of the quarry area during the annual SMARA inspection.

43. ~~Prior to issuance of a Land Use Permit, the applicant shall submit a letter from Southern California Edison indicating an alternative location of the transmission line has been agreed upon and any required easements have been secured. A map showing the proposed location of the transmission line shall also be submitted to RMD.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. Condition satisfied prior to issuance of LUP on October 14, 1989.*

44. ~~The applicant shall pay for periodic site inspections by Public Works staff, based upon an hourly rate established by the Board of Supervisors upon receipt of a bill from the Public Works Department.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. Inspections by the County are addressed in Condition #31 above.*

45. ~~The reclamation plan shall be adopted a part of the Conditional Use Permit. The amount and form of the performance security required by Article III for reclamation shall be established through negotiations between the County Counsel, RMD, Public Works Department, and the applicant. The required performance security shall be posted prior to issuance of a Land Use Permit.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition. The revised Reclamation Plan (18RVP-00000-00016 to 02RPP-00000-00001) would be a stand-alone document updated to meet current SMARA standards.*

46. Developer shall defend, indemnify and hold harmless the County or its agents, officers and employees from any claim, action or proceeding against the County or its agents, officers or employees, to attack, set aside, void, or annul in whole or in part, the County's approval of this Conditional Use Permit. In the event that the County fails promptly to notify the developer of any such claim, action or proceeding, or that the county fails to cooperate fully in the defense of said claim, this condition shall thereafter be of no further force or effect.

47. ~~Truck traffic shall be directed to the same streets as used by the existing quarry (Winchester Canyon Road and Highway 101) until Cathedral Oaks is completed.~~

This permit is issued pursuant to the provisions of Section 35-315 and 35-320.10 of Article III of the code of Santa Barbara County, and is subject to the foregoing conditions and limitations; and this permit is further governed by the following provisions:

1. ~~If any of the conditions of the Conditional Use Permit are not complied with, the Planning Commission, after written notice to the permittee and a noticed public hearing, may revoke the Conditional Use Permit.~~



~~2. A Conditional Use Permit for surface mining shall become null and void and automatically revoked within three (3) years after the granting of said permit, if the surface mining operations authorized by the permit have not been established or a use permitted under a surface mining permit issued subsequent to that effective date of this Section is discontinued for a period of more than three (3) years.~~

~~3. All time limits imposed may be extended by the Planning Commission for one, three year period for good cause shown, provided a written request, including a statement of reasons for the time limit extension request is filed with the Resource Management Department prior to the expiration date.~~

*Note: This condition was deleted with the approval of 02CUP-00000-00006 and is no longer an active condition.*

48. If any of the conditions of this Conditional Use Permit are not complied with, as determined by the Director of Planning and Development, a Notice of Violation shall be provided to the operator that provides for 60 days to correct the violation(s). If the violations are not corrected within 60 days, the Planning Commission may revoke this Conditional Use Permit at a noticed public hearing.
49. This Conditional Use Permit (17RVP-00000-00082 to 02CUP-00000-00006) supercedes the previously approved CUPs (02CUP-00000-00006 and 86-CP-060).
50. This permit shall expire and the site reclaimed in accordance with the approved reclamation plan within three years of a determination by the County that the volume of remaining sand reserves within the approved excavation is 50,000 cubic yards or less. This time period may be extended by the Director of Planning and Development for good cause shown.
51. The applicant's acceptance of this permit and/or commencement of construction and/or operations under this permit shall be deemed acceptance of all conditions of this permit by the permittee.
52. Prior to the issuance of the ~~Land Use Permit~~ Zoning Clearance required to implement and effectuate this CUP, the applicant shall pay all outstanding permit processing fees in full.
53. In the event that any condition imposing a fee, exaction, dedication or other mitigation measure is challenged by the project sponsors in an action filed in a court of law or threatened to be filed therein which action is brought within the time period provided for by law, this approval shall be suspended pending dismissal of such action, the expiration of the limitation period applicable to such action, or final resolution of such action. If any condition is invalidated by a court of law, the entire project shall be reviewed by the County and substitute conditions may be imposed.
54. ~~The portable toilet used for the quarry office shall be replaced with a septic effluent disposal system installed under permit from Environmental Health Services within six months of the issuance of the Land Use Permit that effectuates this Conditional Use Permit.~~

*Note: Condition satisfied upon issuance of LUP effectuating 02CUP-00000-00006.*

55. In order to minimize dust emissions from sand transport trucks, the bed of all trucks carrying sand produced by Ellwood Quarry shall be covered with a tarp.

**Plan Requirements and Timing:** Signs stating this requirement shall be placed-maintained on the mining site at all times prior to issuance of the ~~Land Use Permit~~ required to effectuate

~~Conditional Use Permit 02CUP-00000-00006. The use of tarps to cover all loads shall continue commence immediately upon the initiation of operations under the authority of 17RVP-00000-00082 to 02CUP-00000-00006 and the associated Zoning Clearance Land Use Permit.~~

**Monitoring:** P&D staff shall inspect the trucks to assure compliance during the annual inspection required by the Surface Mining and Reclamation Act (SMARA). P&D and APCD staff shall also respond to complaints from the public. The operator shall monitor compliance with the tarping requirement by inspection of each exiting truck to verify that loaded trucks are tarped before leaving the mining facility.

56. Improvements to the existing access to Ellwood Quarry (the segment of Ellwood Canyon Road approximately 80 feet in length located near the intersection of Ellwood Canyon Road and Ellwood Ridge Road) shall be provided, if/when needed. In order to determine when future improvements are required, the distance from the top of the bank of the creek to the center line of Ellwood Canyon Road shall be measured annually, beginning immediately after the improvements are completed. The width of the roadway (including unpaved shoulders) shall be a maximum of 20 feet with a maximum of 16 feet of paved surface. Any portion of Ellwood Ridge Road required to be modified as a result of an approved plan shall meet the same standards. The height of any retaining walls shall be minimized as part of the roadway improvements. The proposed repairs shall be limited to the existing roadway easement of Ellwood Canyon Road unless a revised easement or other agreement with all underlying property owners is in force.

**Plan Requirements and Timing:** If the width of the remaining roadway surface measured from the top edge of the slope that descends to Ellwood Creek to the eastern edge of the roadway surface (including unpaved shoulder) is found to be sixteen (16) feet or less, the applicant shall within 3 months thereafter submit to the County a Land Use Permit application that includes an engineering plan to further improve this portion of Ellwood Canyon Road to minimize the risk of failure. If a segment of Ellwood Canyon Road is determined by Planning and Development to be unsafe for quarry traffic, truck transport of mined material on this road shall cease until road repairs are completed to the satisfaction of the P&D Director. The Director of P&D may extend any of the above time periods for up to 90 days each for good cause. ~~Prior to the approval of the Land Use Permit required to effectuate this Conditional Use Permit, the applicant shall submit for County review and approval a plan to modify a segment of Ellwood Canyon Road approximately 80 feet in length located near the intersection of Ellwood Canyon Road and Ellwood Ridge Road. The modifications of Ellwood Canyon Road to be included in this plan shall provide for increased roadway (slope) stability, reduced roadway gradient and new roadway pavement. The applicant shall complete the required repairs within 180 days of the approval of the Conditional Use Permit and prior to the approval of the Land Use Permit. In the alternative, the Land Use Permit can be approved and issued prior to the 180-day deadline with the submittal by the applicant of a financial assurance for the approved road improvements. In this case, the improvements shall be completed within six months after issuance of the Land Use Permit.~~

**Monitoring:** P&D and Fire Department staff shall review and approve road improvement plans. P&D staff shall also review for sufficiency any proposed financial assurance. The condition of the roadway shall be monitored by P&D staff during the annual inspections of Ellwood Quarry required by SMARA.

57. The operator shall deliver to the Winchester Commons Homeowner's Association written notice of the name and telephone number of a contact person designated to receive any complaints about the mining operation from residents or other members of the public. The operator of Ellwood Quarry shall maintain a written log of any such complaints received and provide a copy of the log to the Planning and Development Department upon request.

58. **Project Conformity.** The grading, development, use, and maintenance of the property, the size, shape, arrangement, and location of the structures, parking areas and landscape areas, and the protection and preservation of resources shall conform to the project description above and the hearing exhibits and conditions of approval below. The property and any portions thereof shall be sold, leased or financed in compliance with this project description and the approved hearing exhibits and conditions of approval thereto. All plans (such as Landscape and Tree Protection Plans) must be submitted for review and approval and shall be implemented as approved by the County.
59. **Rules-17 CUP-Void.** This Conditional Use Permit shall become void and be automatically revoked if the development and/or authorized use allowed by this Conditional Use Permit is discontinued for a period of more than 12 months, or within such extended period of time as may be authorized in compliance with Section 35.82.060.G(3) of the County Land Use and Development Code. Any use authorized by this Conditional Use Permit shall immediately cease upon expiration or revocation of this Conditional Use Permit. Any Zoning Clearance approved or issued pursuant to this Conditional Use Permit shall expire upon expiration or revocation of the Conditional Use Permit. Conditional Use Permit renewals must be applied for prior to expiration of the Conditional Use Permit. [LUDC §35.82.060 & §35.84.060]
60. The applicant shall obtain an encroachment permit for Haul Route(s) from the City of Goleta for all trucking activities that go over streets within the City Limits of the City of Goleta. All hauling shall be required to go south on Cathedral Oaks Road to US Highway 101 unless the delivery point is within the City Limits. Then City of Goleta staff will need to approve the haul route in order to minimize the public impacts. Prior to Zoning Clearance, the applicant shall be required to coordinate with the City of Goleta on obtaining Haul Permits within the City Limits, if necessary.

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## ATTACHMENT B-2: CONDITIONS OF APPROVAL

**Ellwood Quarry Conditional Use Permit  
18RVP-00000-00016 to 02RPP-00000-00001  
CA Mine ID# 91-42-0020  
APN 079-100-017**

Listed below are the Conditions of Approval included in Reclamation Plan 02RPP-00000-00001 as approved by the Planning Commission on November 20, 2002. These conditions have been modified as shown in ~~strikeout~~ and underline to reflect changes proposed by the applicant and the current conditions on the site. Monitoring of compliance with these conditions would be accomplished by County staff as part of the mandatory annual site inspections conducted pursuant to the Surface Mining and Reclamation Act.

1. **Proj Des-01 Project Description.** This Conditional Use Permit is based upon and limited to compliance with the project description, the hearing exhibits marked A-F, dated March 15, 2018, and all conditions of approval set forth below, including mitigation measures and specified plans and agreements included by reference, as well as all applicable County rules and regulations. The project description is as follows:

The project request is for a revision (Case No. 18RVP-00000-00016) to Reclamation Plan 02RPP-00000-00001 to extend the life of the existing mining operation for 25 years to December 31, 2043. The existing Reclamation Plan was approved by the County Planning Commission in 2002 and the Conditional Use Permit (CUP) was approved by the Board of Supervisors in 2003. The CUP is scheduled to expire in August of 2018 while the Reclamation Plan is scheduled to expire on December 31, 2022.

Ellwood Quarry is an existing mining facility that produces sand through the excavation of a Vaqueros Formation outcrop located about one-half mile north of Cathedral Oaks Road, just west of Goleta. Other than size sorting, no processing of the produced sand takes place on the site. All support structures, access roads and other necessary facilities are in place and currently in use. These facilities include above-ground fuel tanks, an office trailer with a toilet, truck scale, shop building, and water system. Eight full-time employees are involved in the mining operation. The project site is zoned AG-II-100, totaling 191 acres on Assessor's Parcel Number 079-100-017, and located at 1300 Ellwood Ranch Road in Goleta, CA, Third Supervisorial District.

Modification of the Reclamation Plan expiration date is requested. No other changes to the Reclamation Plan are proposed. The existing Reclamation Plan approved by the County Planning Commission in 2002 calls for the final configuration of the mining site to include a completed quarry slope and a level pad area below the slope. At the completion of mining, the final quarry slope will be at a 2:1 gradient. This final slope will include intervening 16-foot wide horizontal benches installed at least every fifty (50) feet in slope height. The quarry slope area will occupy about five acres of the 10 acres ultimately disturbed by excavation. The level pad area will be located at the base of the slope at an elevation of 150 feet MSL and encompass about five acres of the former excavation area.

The reclamation plan is divided into three phases. Phase I includes the uppermost portion of the quarry face and is separated from Phase II by a natural cemented sandstone "rock groin." Phase II includes the lower portion of the quarry face. Phase III is the area to be reclaimed as a level pad at the base of the quarry face. Mining in Phase I is complete and the restoration slope was completed in 2011. The Phase II and III areas incorporate the remaining volume of sand reserves and most of this area will be actively mined until quarry closure. The Phase II and III areas will be reclaimed at mine closure estimated to occur in

2043. Future time extension requests for the surface mining operation allowed under 17RVP-00000-00082 to 02CUP-00000-00006 that do not require substantive changes to this Reclamation Plan shall be processed only for the Conditional Use Permit; this Reclamation Plan (Case No. 18RVP-00000-00016 to 02RPP-00000-00016) does not expire and shall be implemented at the termination of mining at the site.

The mining site will be reclaimed for both agricultural and open space end uses. The 2:1 gradient slopes will be seeded with native seed mix compatible with the surrounding natural habitat. The Phase I slope will also be planted with oak trees. The intervening level benches on the Phase I and Phase II slopes will be retained for agricultural (orchard) use. The level area included in Phase III will also be reclaimed for agricultural use. Approximately six acres will be reclaimed for agricultural use and four acres reclaimed as open space.

Upon termination of mining, all mining equipment will be removed from the site. The truck scale, fuel tanks and office will remain for use as part of the ongoing Ellwood Ranch agricultural operations. The existing sedimentation basin located downstream of the mining site will remain.

Any deviations from the project description, exhibits or conditions must be reviewed and approved by the County for conformity with this approval. Deviations may require approved changes to the permit and/or further environmental review. Deviations without the above described approval will constitute a violation of permit approval.

#### Project Specific Conditions

2. The applicant shall obtain a NPDES Storm Water permit from the Regional Water Quality Control Board (RWQCB).

**Plan Requirements and Timing:** The applicant shall obtain a NPDES Storm Water permit or permit waiver from the RWQCB within one year of the approval of the revised Reclamation Plan.

**Monitoring:** P&D staff shall review the submitted documentation to assure compliance with this requirement of State regulations.

3. Permanent survey monuments shall be installed and inspected annually at Ellwood Quarry.

**Plan Requirements and Timing:** Two permanent survey monuments have been installed by a licensed land surveyor or a registered civil engineer at locations selected by the County in consultation with the mine operator. Detailed elevation and location information for each of these monuments were provided to the County at the time of installation. The monuments were placed at sites which will not be affected by the mining and reclamation activities described in the Reclamation Plan.

**Monitoring:** P&D staff shall inspect the monuments during the annual SMARA inspections to ensure they are maintained on-site.

4. In order to facilitate verification that the Reclamation Plan is implemented as approved, aerial photographs and an updated topographic map of the area included in the Ellwood Quarry Reclamation Plan shall be periodically provided to the County.

**Plan Requirements and Timing:** Stereographic aerial photographs at a scale of approximately 1"=500' which incorporate the area included in the Reclamation Plan shall be provided by the mine operator to the County prior to the month of June in the year 2007 and prior to June every



~~five years thereafter until the completion of site reclamation.~~ An updated topographic map of the area included in the Reclamation Plan at a scale of approximately 1"=50' ~~prepared from the required stereographic aerial photographs shall be provided by the mine operator to the County prior to the month of June in the year 2023 and prior to June every ten years thereafter until the completion of site reclamation.~~ Prior to the approval of the ~~Land Use Permit~~ Zoning Clearance required to implement the Reclamation Plan, the mine operator shall provide a financial assurance to the County adequate to fund the cost of obtaining the required aerial photographs and topographic map.

~~Monitoring: P&D staff shall review and approve the financial assurance proposed by the mine operator.~~ The County SMARA Mine Inspector shall review the submitted ~~photographs and topographic maps~~ to ensure that this condition is satisfied. In the event the mine operator does not provide the required items, the financial assurance shall be used to obtain these informational materials.

### Standard Conditions for Reclamation Plans

5. All reclamation shall comply with the applicable provisions of the County's Grading Ordinance (Chapter 14 of the Santa Barbara County Code) as determined by the Director of Planning and Development.
6. The conceptual financial assurance shall be approved by the State Division of Mine Reclamation prior to final approval by the County. Within sixty (60) days of final approval of the Reclamation Plan and financial assurance, the applicant shall post a performance security with Planning and Development for the full amount of the approved financial assurance to ensure that reclamation will proceed in conformance with the approved plan. The type of performance security shall be consistent with Section 2773.1 of SMARA. The security for reclamation shall remain in effect until completion of reclamation with provision for annual renewal and adjustment to reflect changes in security requirements and/or changes in the cost of reclamation. The amount of the performance security shall be based upon the estimate by the applicant's engineer of the costs to complete the reclamation of the site. The form, amount, and duration of security shall be subject to review and approval by Planning and Development and County Counsel staff prior to posting the security. Security shall remain in effect through completion of reclamation.
7. As part of the annual review of the reclamation plan, the form and/or amount of security may be adjusted in accordance with the applicable regional Consumer Price Index, or other appropriate index as determined by Planning and Development, to maintain the same relative value of the security over the life of the reclamation plan and to assure that performance security still reflects the actual cost for completing reclamation on-site. In addition, the amount of Financial Assurance is adjusted annually to account for physical changes on the mining site. The amount of financial assurance posted for the site must reflect the cost of reclaiming the site in a manner consistent with the requirements of the approved reclamation plan and based upon the current condition of the site. If the County determines that additional or new security must be posted, the applicant shall provide the required security within 60 days of notification of deficiency.
8. Planning and Development may declare all or part of the security for reclamation forfeited, pursuant to notice to the applicant and a public hearing, if the Planning Commission determines that the mining operation has been abandoned, the operator is financially incapable of carrying out the reclamation plan, or any provision of the approved reclamation plan is violated as noted in Section 2773.1 (B) of SMARA. No security shall be released until compliance with all applicable conditions of the reclamation plan is verified to the satisfaction of Planning and Development. At least three years of monitoring by County staff will be required to assure the successful implementation of reclamation under the approved plan. Upon completion of

- reclamation, the County SMARA Inspector and/or Permit Compliance staff shall perform a final site inspection to verify that all requirements of the reclamation plan have been satisfied. The operator shall be responsible for the costs of conducting and completing reclamation in accordance with the approved reclamation plan which are in excess of the proceeds from the forfeited financial assurances.
9. Site inspections to verify ongoing reclamation in conformance with the approved reclamation plan shall be conducted at annual intervals as required by the Surface Mining and Reclamation Act. Additional inspections may be conducted if deemed necessary by the Director of Planning and Development in order to assure reclamation of the site consistent with the approved Reclamation Plan. The applicant shall pay the cost of any required inspections by Planning and Development staff, or designated representative, based upon an hourly rate established by the Board of Supervisors, upon receipt of a bill from Santa Barbara County. Failure to pay the inspection fee within sixty (60) days of the due date shall constitute grounds for revocation of the reclamation plan by the Planning Commission and cessation of mining operations.
  10. If, after conducting the inspections required under Condition No. 9, Planning and Development finds that the reclamation plan is not being implemented as approved, the mining operation shall be so notified and given a reasonable time to comply with the reclamation plan as specified in Section 2774.1 of the Public Resources Code. If at the end of this period of time, the reclamation plan is still not being implemented as approved, Planning and Development shall notify the mining operator and the Planning Commission of the continuing failure to comply. Planning and Development shall then set the matter for a public hearing before the Planning Commission. If the Planning Commission (or Board of Supervisors if appealed) determines that the reclamation plan is not being implemented as approved, the Planning Commission (or Board) shall have the authority to revoke the reclamation plan. Once the reclamation plan is revoked, all mining onsite shall cease in accordance with State law. If the Planning Commission or Board of Supervisors revoke the plan, Planning and Development shall declare all or part of the financial assurance (performance security) for reclamation forfeited in accordance with the assurance's provisions and State law.
  11. Prior to issuance of Zoning Clearance, ~~Within sixty (60) days of final reclamation plan approval, the applicant shall execute and record an agreement, subject to Planning and Development approval, to complete the work outlined in the reclamation plan within the time limits of said plan and consistent with all requirements of said plan. This agreement shall bind the applicant and any future owners of the mine. This agreement shall be prepared to conform to the requirements of SMARA Section 2772(j) regarding an applicant statement of responsibility for reclamation.~~
  12. All applicable requirements of the Surface Mining and Reclamation Act of 1975, as may be amended from time to time, are made a part of this Reclamation Plan by reference, with the same force and effect as if the provisions therein were specifically and fully set out herein.
  13. The mine operator shall prepare and forward an annual status report on the mining operation and ongoing reclamation efforts to the State Geologist and Planning and Development on a date established by the State Geologist and upon forms furnished by the State Mining and Geology Board pursuant to Public Resource Code Section 2207.

#### County Rules and Regulations

14. Before using any land or structure, or commencing any work pertaining to the erection, moving, alteration, enlarging, or rebuilding of any building, structure, or improvement, or conducting any reclamation activities under an approved Reclamation Plan, the applicant shall obtain a Zoning Clearance from Planning and Development. The Zoning Clearance is required by



ordinance and is necessary to ensure implementation of the conditions of approval required by the Planning Commission. Before a Zoning Clearance will be issued by Planning and Development, the applicant must demonstrate compliance with all conditions of approval and obtain written clearance from all departments having conditions; such clearance shall indicate that the applicant has satisfied all pre-construction conditions. A form for such clearance is available in Planning and Development. The approval of the reclamation plan by the County of Santa Barbara shall expire if the Zoning Clearance is not obtained within 18 months of reclamation plan approval, or a time extension is requested and granted pursuant to the requirements of County ordinance.

15. Developer (mine operator) shall defend, indemnify and hold harmless the County or its agents, officers and employees from any claim, action or proceeding against the County or its agents, officers or employees, to attack, set aside, void, or annul, in whole or in part, the County's approval of the Reclamation Plan. In the event that the County fails promptly to notify the applicant of any such claim, action or proceeding, or that the County fails to cooperate fully in the defense of said claim, this condition shall thereafter be of no further force or effect.
16. In the event that any condition imposing a fee, exaction, dedication or other mitigation measure is challenged by the project sponsors in an action filed in a court of law or threatened to be filed therein which action is brought within the time period provided for by law, this approval shall be suspended pending dismissal of such action, the expiration of the limitation period applicable to such action, or final resolution of such action. If any condition is invalidated by a court of law, the entire project shall be reviewed by the County and substitute conditions may be imposed.
17. Prior to approval of Zoning Clearance, the applicant shall pay all applicable P&D permit processing fees in full.
18. **Mitigation Monitoring required:** The applicant shall ensure that the project complies with all approved plans and all project conditions. To accomplish this, the applicant agrees to:
  - a. Contact P&D compliance staff as soon as possible after Reclamation Plan approval to provide the name and phone number of the future contact person for the project and give estimated dates for future project activities.
  - b. Contact P&D compliance staff (the County SMARA Inspector) at least two weeks prior to commencement of reclamation activities to schedule an onsite pre-construction meeting with the owner, compliance staff, other agency personnel, and with key construction personnel.
  - c. Pay fees prior to approval of Zoning Clearances as authorized under ordinance and fee schedules to cover full costs of monitoring as described above, including costs for P&D to hire and manage outside consultants, when deemed necessary by P&D staff (e.g. non-compliance situations, special monitoring needed for sensitive areas including but not limited to biologists, archaeologists) to assess damage and/or ensure compliance. In such cases, the applicant shall comply with P&D recommendations to bring the project into compliance. The decision of the Director of P&D shall be final in the event of a dispute.
19. Within 180 days of approval of the proposed revised Reclamation Plan (18RVP-00000-00016 to 02RPP-00000-00001), the applicant shall obtain a Zoning Clearance that incorporates the conditions of approval of this plan. Upon issuance of the Zoning Clearance, reclamation plan 02RPP-00000-00001 shall expire and this Reclamation Plan (18RVP-00000-00016 to 02RPP-



00000-00001) shall be in effect. Mining without a County-approved Reclamation Plan is prohibited by the Surface Mining and Reclamation Act.

20. Prior to approval of the Zoning Clearance, applicant shall prepare four copies of the Final Reclamation Plan. One final copy of the Plan shall be kept at the project site; the other three shall be provided to Planning and Development.

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