



SAN LUIS OBISPO COUNTY

DEPARTMENT OF PLANNING AND BUILDING

VICTOR HOLANDA, AICP
DIRECTOR

THIS IS A NEW PROJECT REFERRAL

DATE: 9/1/09

TO: Interested Party

FROM: John McKenzie, EIR Manager

PROJECT DESCRIPTION: DRC2009-00004, TWISSELMAN- CUP for surface mine and reclamation plan associated with sun power solar ranch. APN: 072-071-007.

Return this letter with your comments attached no later than: 14 days from receipt of this referral. By 9/16/09 please.

PART 1 - IS THE ATTACHED INFORMATION ADEQUATE TO COMPLETE YOUR REVIEW?

- YES (Please go on to PART II.)
- NO (Call me ASAP to discuss what else you need. We have only 10 days in which we must obtain comments from outside agencies.)

PART II - ARE THERE SIGNIFICANT CONCERNS, PROBLEMS OR IMPACTS IN YOUR AREA OF REVIEW?

- YES (Please describe impacts, along with recommended mitigation measures to reduce the impacts to less-than-significant levels, and attach to this letter)
- NO (Please go on to PART III)

PART III - INDICATE YOUR RECOMMENDATION FOR FINAL ACTION.

Please attach any conditions of approval you recommend to be incorporated into the project's approval, or state reasons for recommending denial.

IF YOU HAVE "NO COMMENT," PLEASE SO INDICATE, OR CALL.

Date _____

Name _____

Phone _____

CONDITIONAL USE PERMIT/

CUP FOR SURFACE MINE AND RECLAMATION PLAN. ASSC WITH SUN SHCA/ CARR

JDM

AG GS

GENERAL APPLICATION FORM

San Luis Obispo County Department of Planning and Building

APPLICATION TYPE - CHECK ALL THAT APPLY

- Emergency Permit
- Site Plan
- Conditional Use Permit/Development Plan
- Curb, Gutter & Sidewalk Waiver
- Tree Permit
- Minor Use Permit
- Plot Plan
- Variance
- Surface Mining/Reclamation Plan
- Modification to approved land use permit
- Zoning Clearance
- Other

APPLICANT INFORMATION Check box for contact person assigned to this project

Landowner Name Rowland and Catherine Twisselman Daytime Phone (805)475-2239 or 748-3343
 Mailing Address 7390 Cattle Drive, Santa Margarita, Ca Zip Code 93453-9766
 Email Address: _____

Applicant Name Rowland and Catherine Twisselman Daytime Phone SAME AS ABOVE
 Mailing Address SAME AS ABOVE Zip Code _____
 Email Address: _____

Agent Name SunPower Corporation, Brian Parker Daytime Phone (510) 439-4651
 Mailing Address 1414 Harbour Way South, Richmond, CA Zip Code 94804
 Email Address: _____

PROPERTY INFORMATION

Total Size of Site: 160 acres (total parcel) Assessor Parcel Number(s): 072-071-007
 Legal Description: ptn of sec 21, T293, R19E, M.P.M. less 6% mining rights
 Address of the project (if known): no known address
 Directions to the site (including gate codes) - describe first with name of road providing primary access to the site, then nearest roads, landmarks, etc.: The site is accessed via an existing dirt road north of Highway 58, approximately 4 miles east of Soda Lake Road. Continue 2.8 miles north along existing dirt road to the surface mine site.

Describe current uses, existing structures, and other improvements and vegetation on the property:
 Current use: existing active surface mine; no existing structures or improvements

PROPOSED PROJECT

Describe the proposed project (inc. sq. ft. of all buildings): surface mine to excavate aggregates used for road base; total surface area in the plan is 22.9 acres

LEGAL DECLARATION

I, the owner of record of this property, have completed this form accurately and declare that all statements here are true. I do hereby grant official representatives of the county authorization to inspect the subject property.

Property owner signature Rowland Twisselman Date 7/22/09

FOR STAFF USE ONLY

Reason for Land Use Permit: _____

LAND USE PERMIT APPLICATION

San Luis Obispo County Department of Planning and Building

File No _____

Type of project: Commercial Industrial Residential Recreational Other

Describe any modifications/adjustments from ordinance needed and the reason for the request (if applicable): none

Describe existing and future access to the proposed project site: The site is accessed via an existing dirt road north of Hwy 58 approximately 4 miles east of Soda Lake Road. Continue 2.8 miles north along existing dirt road to surface mine site.

Surrounding parcel ownership: Do you own adjacent property? Yes No
If yes, what is the acreage of all property you own that surrounds the project site? approx 200 acres

Surrounding land use: What are the uses of the land surrounding your property (when applicable, please specify all agricultural uses):

North: Agriculture: Grazing South: Agriculture: Grazing
East: Agriculture: Grazing West: Agriculture: Grazing

For all projects, answer the following:

Square footage and percentage of the total site (approximately) that will be used for the following:

Buildings: none sq. feet _____ % Landscaping: none sq. feet _____ %
Paving: none sq. feet _____ % Other (specify) _____

Total area of all paving and structures: none sq. feet acres

Total area of grading or removal of ground cover: 22.9 sq. feet acres

Number of parking spaces proposed: none Height of tallest structure: no structures proposed

Number of trees to be removed: none Type: _____

Setbacks: Front N/A Right N/A Left N/A Back N/A

Proposed water source: On-site well Shared well Other none

Community System - List the agency or company responsible for provision: _____

Do you have a valid will-serve letter? Yes No (If yes, please submit copy)

Proposed sewage disposal: Individual on-site system Other none

Community System - List the agency or company responsible for sewage disposal: _____

Do you have a valid will-serve letter? Yes No (If yes, please submit copy)

Fire Agency: List the agency responsible for fire protection: Cal Fire

For commercial/industrial projects answer the following:

Total outdoor use area: N/A sq. feet acres

Total floor area of all structures including upper stories: _____ sq. feet

For residential projects, answer the following:

Number of residential units: N/A Number of bedrooms per unit: _____

Total floor area of all structures including upper stories, but not garages and carports: _____

Total of area of the lot(s) minus building footprint and parking spaces: _____

ENVIRONMENTAL DESCRIPTION FORM

San Luis Obispo County Department of Planning and Building

File No _____

The California Environmental Quality Act (CEQA) requires all state and local agencies to consider and mitigate environmental impacts for their own actions and when permitting private projects. The Act also requires that an environmental impact report (EIR) be prepared for all actions that may significantly affect the quality of the environment. The information you provide on this form will help the Department of Planning and Building determine whether or not your project will significantly affect the quality of the environment.

To ensure that your environmental review is completed as quickly as possible, please remember to:

- Answer ALL of the questions as accurately and completely as possible.
- Include any additional information or explanations where you believe it would be helpful or where required. Include additional pages if needed.
- If you are requesting a land division or a re-zoning, be sure to include complete information about future development that may result from the proposed land division or rezoning.
- Include references to any reports or studies you are aware of that might be relevant to the questions asked or the answers you provide.

Should a determination be made that the information is inaccurate or insufficient, you will be required to submit additional information upon request.

Physical Site Characteristic Information

Your site plan will also need to show the information requested here:

- Describe the topography of the site:
Level to gently rolling, 0-10% slopes: 1 acres
Moderate slopes of 10-30%: 2.5 acres
Steep slopes over 30%: 19.4 acres
- Are there any springs, streams, lakes or marshes on or near the site? Yes No
If yes, please describe: Please refer to supplement G of the Reclamation Plan Application
- Are there any flooding problems on the site or in the surrounding area? Yes No
If yes, please describe: _____
- Has a drainage plan been prepared? Yes No
If yes, please include with application.
- Has there been any grading or earthwork on the project site? Yes No
If yes, please explain: Existing quarry operations
- Has a grading plan been prepared? Yes No
If yes, please include with application.
- Are there any sewer ponds/waste disposal sites on/adjacent to the project? Yes No
- Is a railroad or highway within 300 feet of your project site? Yes No
- Can the proposed project be seen from surrounding public roads? Yes No
If yes, please list: _____

Water Supply Information

NO WATER SUPPLY PROPOSED

1. What type of water supply is proposed?
 Individual well Shared well Community water system
2. What is the proposed use of the water?
 Residential Agricultural - Explain _____
 Commercial/Office - Explain _____
 Industrial – Explain _____
3. What is the expected daily water demand associated with the project? _____
4. How many service connections will be required? none
5. Do operable water facilities exist on the site?
 Yes No If yes, please describe: _____
6. Has there been a sustained yield test on proposed or existing wells?
 Yes No If yes, please attach.
7. Does water meet the Health Agency's quality requirements?
 Bacteriological? Yes No
 Chemical? Yes No
 Physical Yes No
 Water analysis report submitted? Yes No
8. Please check if any of the following have been completed on the subject property and/or submitted to County Environmental Health.
 Well Driller's Letter Water Quality Analysis OK or Problems
 Will Serve Letter Pump Test _____ Hours _____ G.P.M.
 Surrounding Well Logs Hydrologic Study Other _____

Please attach any letters or documents to verify that water is available for the proposed project.

Sewage Disposal Information

N/A

If an on-site (individual) subsurface sewage disposal system will be used:

1. Has an engineered percolation test been accomplished?
 Yes No If yes, please attach a copy.
2. What is the distance from proposed leach field to any neighboring water wells? _____ feet
3. Will subsurface drainage result in the possibility of effluent reappearing in surface water or on adjacent lands, due to steep slopes, impervious soil layers or other existing conditions?
 Yes No
4. Has a piezometer test been completed?
 Yes No
5. Will a Waste Discharge Permit from the Regional Water Quality Control Board be required?
 Yes No (a waste discharge permit is typically needed when you exceed 2,500 gallons per day)

If a community sewage disposal system is to be used:

1. Is this project to be connected to an existing sewer line? Yes No
 Distance to nearest sewer line: _____ Location of connection: _____
2. What is the amount of proposed flow? _____ G.P.D.
3. Does the existing collection treatment and disposal system have adequate additional capacity to accept the proposed flow? Yes No

Solid Waste Information

N/A

1. What type of solid waste will be generated by the project?
 Domestic Industrial Agricultural Other, please explain? _____
2. Name of Solid Waste Disposal Company: _____
3. Where is the waste disposal storage in relation to buildings? _____
4. Does your project design include an area for collecting recyclable materials and/or composting materials?
 Yes No

Community Service Information

1. Name of School District: Atascadero Unified School District
2. Location of nearest police station: Sheriff's Sub Station: Templeton, 356 N. Main Street
3. Location of nearest fire station: Carrizo Planes Fire Station, 13080 Soda Lake Road
4. Location of nearest public transit stop: Atascadero
5. Are services (grocery/other shopping) within walking distance of the project? Yes No
 If yes, what is the distance? _____ feet/miles

Historic and Archeological Information

1. Please describe the historic use of the property:
Surface mine for road base and agricultural fill material; grazing.
2. Are you aware of the presence of any historic, cultural or archaeological materials on the project site or in the vicinity? Yes No
 If yes, please describe: _____
3. Has an archaeological surface survey been done for the project site? Yes No
 If yes, please include two copies of the report with the application.
 Report is under preparation by LSA, with submittal anticipated in August of 2009.

Commercial/Industrial Project Information

Only complete this section if you are proposing a commercial or industrial project or zoning change.

1. Days of Operation: Monday - Friday Hours of Operation: 6:00am - Dusk
2. How many people will this project employ? 0 - 2
3. Will employees work in shifts? Yes No
 If yes, please identify the shift times and number of employees for each shift _____
4. Will this project produce any emissions (i.e., gasses, smoke, dust, odors, fumes, vapors)?
 Yes No If yes, please explain: diesel exhaust from construction equipment
5. Will this project increase the noise level in the immediate vicinity? Yes No
 If yes, please explain: refer to noise estimates for equipment in application materials
 (If loud equipment is proposed, please submit manufacturers estimate on noise output.)
6. What type of industrial waste materials will result from the project? Explain in detail: N/A
All waste rock will be reused in reclamation process.
7. Will hazardous products be used or stored on-site? Yes No
 If yes, please describe in detail: _____
8. Has a traffic study been prepared? Yes No If yes, please attach a copy.

****Including 20 related to SunPower and 12 related to normal operations****

9. Please estimate the number of employees, customers and other project-related traffic trips to or from the project: Between 7:00 - 9:00 a.m. 32 Between 4:00 to 6:00 p.m. 32
10. Are you proposing any special measures (carpooling, public transit, telecommuting) to reduce automobile trips by employees Yes No
If yes, please specify what you are proposing: _____
11. Are you aware of any potentially problematic roadway conditions that may exist or result from the proposed project, such as poor sight distance at access points, connecting with the public road? Yes No If yes, please describe: _____

Agricultural Information

Only complete this section if your site is: 1) Within the Agricultural land use category, or 2) currently in agricultural production.

1. Is the site currently in Agricultural Preserve (Williamson Act)? Yes No
2. If yes, is the site currently under land conservation contract? Yes No
3. If your land is currently vacant or in agricultural production, are there any restrictions on the crop productivity of the land? That is, are there any reasons (i.e., poor soil, steep slopes) the land cannot support a profitable agricultural crop? Please explain in detail: _____

Special Project Information

1. Describe any amenities included in the project, such as park areas, open spaces, common recreation facilities, etc.(these also need to be shown on your site plan): none proposed
2. Will the development occur in phases? Yes No
If yes describe: Please refer to the Reclamation Plan Application package for additional information
3. Do you have any plans for future additions, expansion or further activity related to or connected with this proposal? Yes No If yes, explain: _____
4. Are there any proposed or existing deed restrictions? Yes No
If yes, please describe: _____

Energy Conservation Information

1. Describe any special energy conservation measures or building materials that will be incorporated into your project *: none

*The county's Building Energy Efficient Structures (BEES) program can reduce your construction permit fees. Your building must exceed the California State Energy Standards (Title 24) in order to qualify for this program. If you are interested in more information, please contact the Building Services Division of the Department of Planning and Building at (805) 781-5600.

Environmental Information

1. List any mitigation measures that you propose to lessen the impacts associated with your project:
Water quality control measures will protect downstream streams waterbodies.
Reclamation, including establishing final contours with retained stockpiled material and topsoils and revegetation in accordance with the proposed Reclamation Plan.

2. Are you aware of any unique, rare or endangered species (vegetation or wildlife) associated with the project site? Yes No

If yes, please list: San Joaquin kit fox is known in the area, but not observed on the site.

3. Are you aware of any previous environmental determinations for all or portions of this property? Yes No

If yes, please describe and provide "ED" number(s): _____

Other Related Permits

1. List all permits, licenses or government approvals that will be required for your project (federal, state and local): Refer to list below.

(If you are unsure if additional permits are required from other agencies, please ask a member of the Planning Department staff currently assigned in either Current Planning or the Environmental Division.)

- U.S. Army Corps of Engineers Section 404 permit/review, for placement of fill in streambeds necessary to widen access road
- Section 7 Consultation between U.S. Army Corps of Engineers and U.S. Fish and Wildlife Service, to accompany Section 404 review
- Regional Water Quality Control Board Section 401 Water Quality certification, to accompany Section 404 review
- Streambed Alteration agreement with California Department of Fish and Game
- State Water Resources Control Board (SWRCB) Order No. 99-08-DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002, Waste Discharge Requirements (WDRs) for Discharges of Storm Water Runoff Associated with Construction Activity



RECLAMATION PLAN APPLICATION

San Luis Obispo County Department of Planning and Building

NOTE: Instructions for completing this form are contained in the county Department of Planning and Building publication, Reclamation Plan Guidelines. The numbers in parentheses are used in the Guidelines to show which portion of this form is being explained. If additional space is necessary to complete this application, attach additional sheets.

GENERAL INFORMATION

- (1) Mine Name: Twisselman Quarry (2) CA Mine ID# None
 (3) Existing Land Use Permit Number: None
 (4) Estimated Life of Operation: 20 to 30 years (5) Date of Mine Opening: _____
 (6) If public ownership (BLM or USFS), has Plan of Operations been prepared?
 Yes No If YES, attach evidence.

MINE INFORMATION

- (7) Raw Materials Mined: Siltstone and Sandstone (8) Yield (in tons or cu. yds./year): 100,000 tons/yr
 (9) Type of Mine: Borrow Pit Stream Bed Skimming Quarry Underground
 Clay Pit Other (Specify) _____
 (10) Geologic Group, Formation and Member: Monterey Formation, Gould Shale Member
 (11) On-site processing? Yes No
 (12) Total acreage affected by mining :
 Mining: 14.3 acres Waste disposal: 0
 Processing: 2.7 acres Settling ponds: 1.27 acres
 Roads: 0.4 acres Support Facilities: 0
 Stockpiles: 5.1 acres Total acreage in plan: 23.2 acres
 (13) The operation is (or will be): Continuously active Intermittently active Idle
 Abandoned Undeveloped Other (specify) _____
 (14) Total acreage affected by mining prior to January 1, 1976 and not mined after that date: 0
 (15) Drainage: unnamed watercourse (16) Tributary to: Soda Lake
 (17) Will mining progress in separate phases? Yes No
 (18) Will groundwater be encountered during mining (including any perched, regional or artesian flow)?
 Yes No
 (19) Is soil salvage and replacement proposed? Yes No
 (20) Will water be used for mining or processing? Yes No
 (21) Will settling basins be used? Yes No
 (22) Will water be discharged from the affected area? Yes No
 If YES, has a Storm Water Pollution Prevention Plan be prepared for the Regional Water Quality Control Board approval? Yes No

- (23) Will the operation involve relocation, blockage or alteration of any water course or stream? Yes No
 If YES, has the Department of Fish and Game been notified. Yes No
- (24) Use of site prior to mining and will the use continue during mining: Grazing, yes
- (25) Proposed use following reclamation: Grazing
- (26) Total acreage included in proposed reclamation plan: 23.2 acres
- (27) Estimated costs of reclamation for the first year of operation (attach financial assurance cost estimate worksheet). Express costs in today's dollars: First year 0; second year \$35,120

COSTS AND GUARANTEES OF RECLAMATION

- (28) Proposed type(s) of guarantee of reclamation:
 Performance bond Letter of Credit
 Certificate of Deposit Other (Specify) _____
- (29) Acres of affected area previously covered by guarantee of reclamation: N/A

REQUIRED SUPPORTING DOCUMENTS

- (30) Please make sure you have attached the following items to this application:
- | | |
|--|--|
| <input checked="" type="checkbox"/> Notarized statements/possessory interest in lands | <input checked="" type="checkbox"/> Reclamation plan map/cross sections |
| <input checked="" type="checkbox"/> 7 ½ min. USGS Quadrangle | <input checked="" type="checkbox"/> Typical soil profile |
| <input checked="" type="checkbox"/> Site Geologic map/cross sections | <input checked="" type="checkbox"/> Diagram of Mineral Processing |
| <input checked="" type="checkbox"/> Development and Mining Plan/Cross Sections | <input checked="" type="checkbox"/> Reclamation narrative |
| <input checked="" type="checkbox"/> For pit and hill side mines, drawings showing before and after contours. | <input checked="" type="checkbox"/> Reclamation Plan Application Supplements (A through J) |
| <input checked="" type="checkbox"/> Revegetation Plan or alternate proposal | <input checked="" type="checkbox"/> Financial Assurance Cost Estimate |
| | <input checked="" type="checkbox"/> Other documents-list |

VERIFICATION

- (31) Documents prepared by: Applicant Other (32) Telephone: (805) 239-3127

If Other, provide name, address, and number and type of license:

Name Christy Gabler, North Coast Engineering, Inc.
 Mailing Address 725 Creston Road Suite B City Paso Robles Zip 93446
 License Number: C64821

Ray Skinner
 ENGEO Inc.
 2010 Crow Canyon Place Suite 250
 San Ramon, CA 94583
 (925) 866-9000
 License Number: EG1239

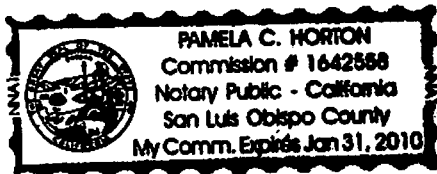
(33) Print or type name to be signed on line below

We, Rowland and Catherine Twisselman, state under penalty of perjury that I (am the applicant) (am an officer or official of the applicant). That the documents, and statements submitted as part of this application are true and correct to the best of my knowledge and belief, and that I hereby accept the responsibility for reclaiming the mined lands described herein in the manner described herein and attached, forming the reclamation plan for the Twisselman Quarry (mine or project)

Signature Rowland Twisselman Date 7/22, 2009
Signature Catherine Twisselman Date 7/22, 2009

Affidavit
State of California)
County of San Luis Obispo) SS

Subscribed and sworn to (or affirmed) before me on this 22nd day of July, 2009, by
Date Month Year



(1) Rowland W. Twisselman
Name of Signer

proved to me on the basis of satisfactory evidence to be the person who appeared before me, and

(2) Catherine A. Twisselman
Name of Signer

proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Signature Pamela C. Horton
Signature of Notary Public

INSTRUCTIONS:

1. There must be signed by an individual on his or her own behave or a company officer (title of officer must be provided) for an incorporated company accepting responsibility. Any signature for a partnership or trust must be accompanied by proof of authorization to sign on behave of the partnership or trust.
2. A Notary Public must witness the signature.



RECLAMATION PLAN APPLICATION SUPPLEMENTS

San Luis Obispo County Department of Planning and Building

SUPPLEMENT A: OWNERS, OPERATOR & AGENT

(A-1)

Operator Name Rowland & Catherine Twisselman Daytime Phone: (805) 475-2239 or 748-3343

Mailing Address 7390 Cattle Drive City Santa Margarita Zip: 93453-9766

Agent of Process Name _____ Daytime Phone: _____
(person designated by operator as his agent for the service of process)

Mailing Address _____ City _____ Zip: _____

(A-2) List names, titles and addresses of all partners in the case of a partnership or all officers in the case of a corporation

Name SAME AS (A-1) Title: _____

Mailing Address _____ City _____ Zip: _____

Name _____ Title: _____

Mailing Address _____ City _____ Zip: _____

Name _____ Title: _____

Mailing Address _____ City _____ Zip: _____

(A-3) List all names under which the applicant has previously operated mines in the County of San Luis Obispo NONE

(A-4) Names and addresses of all owners of surface rights

Name SELF (SAME AS A-1) Title: _____

Mailing Address _____ City _____ Zip: _____

Name _____ Title: _____

Mailing Address _____ City _____ Zip: _____

Name _____ Title: _____

Mailing Address _____ City _____ Zip: _____

(A-5) Names and addresses of all owners of mineral rights

Name SELF (SAME AS A-1)

Mailing Address _____ City _____ Zip: _____

Name _____

Mailing Address _____ City _____ Zip: _____

(A-6) Name and address of lessee

Name NONE

Mailing Address _____ City _____ Zip: _____

(A-7) Provide evidence that all owners of a possessory interest in the land have been notified of the proposed mining use(s) or potential use(s). (Attach copy(ies) of notarized statement(s) of acknowledgment.)

SUPPLEMENT B: CONSENT OF LANDOWNER FOR INSPECTIONS & RECLAMATION

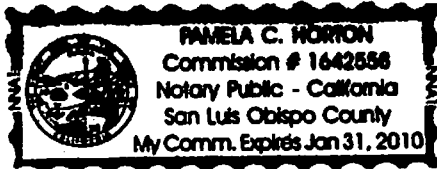
We the undersigned, the owners of land located at (no known address)

Assessor's Parcel Number(s) 072-071-007, upon which Twisselman is to conduct a mining operation, and for which application Twisselman (Name of Operator) for approval of a Reclamation Plan is being made, and of which application this consent is a part, do hereby irrevocably grant to the operator, the State of California, County of San Luis Obispo or any of its authorized agents, the right to enter upon the land affected by the operator for annual Surface Mining and Reclamation Act (SMARA) inspections and for the purpose of backfilling, planting and reclamation, or for inspection and evaluation as to the satisfactory completion of such measures in accordance with the provisions of the Surface Mining and Reclamation Act of 1975 and San Luis Obispo County Code, Section 22.08.180 or Section 23.08.180, as amended.

Ronald Twisselman 7/22, 2009
(Signature of Landowner) (Date)

Catherine Twisselman 7/22, 2009
(Signature of Landowner) (Date)

Affidavit:
State of California)
County of San Luis Obispo) SS



Subscribed and sworn to (or affirmed) before me on this 22nd day of July, 2009, by
Date Month Year

(1) Ronald W. Twisselman
Name of Signer

proved to me on the basis of satisfactory evidence to be the person who appeared before me, and

(2) Catherine A. Twisselman
Name of Signer

proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Signature Pamela C. Horton
Signature of Notary Public

INSTRUCTIONS:

- 1. If the land is owned by one or more persons, all owners must sign.
- 2. File one (1) copy for each landowner.
- 3. If owned by an estate, authority for signing must be established.
- 4. A Notary Public must witness the signature.

SUPPLEMENT C: MINE LOCATION AND ACCESS

(C-1) The mining site is located on the Las Yeguas Ranch United States Geographic Survey (USGS) 7 ½ minute quadrangle. Attach copy of appropriate quadrangle with the mining site and the parcel(s) on which the site is located accurately plotted.

(C-2) Longitude and Latitude: 35.388 N 119.937 W

(C-3) Describe the access route to the mining site and indicate the number of truck trips per day, week, months or year.

Access Route: From Hwy 58 north on unpaved gravel road about 2.7 miles

Truck trips per day: 40* Truck trips per week: 200*

Truck trips per month: 800* Truck trips per year: 8000*

* Please refer to attached Supplement C for more information

SUPPLEMENT D: GEOLOGY, SOILS, HYDROLOGY & ENVIRONMENT

(D-1) Mineral or product (to be) mined Construction aggregates (road base, rip-rap)

(D-2) Brief description of the regional geologic setting The quarry is located in an area that is underlain by bedrock of the Monterey formation, Gould shale member. The quarry is not located within the State of California Earthquake Fault Zone. Segments of the San Andreas fault are mapped approximately 1700 feet to the southwest of the quarry site and about 1 miles northeast of the quarry site.

(D-3) Detailed geologic description of mineral deposit (to be) mined The material to be mined consists of interbedded siltstone and sandstone with minor interbedded claystone. The rock varies from friable to strong, moderately to highly fractured and is typically thickly bedded. See ENGEO report dated May 31, 2009.

(D-4) Using the mine site map or aerial photograph as a base, prepare a detailed geologic site map with two or more intersecting geologic stratigraphic cross sections (one perpendicular to the average site), to show the following information within the current and designated future mining and overburden disposal areas.

- | | |
|---|---|
| a. The known surface and sub-surface extent and thickness of the mineral deposit to be mined. | g. Faults with location and relative movement. |
| b. Extent and thickness of overburden (or waste rock). | h.* Additional field measurements sufficient to determine the basic rock structure and fabric. |
| c. Detailed description of basic soil types to be encountered on the mining site. | i.* Orientation of the principle rock structure and fabric. |
| d.* Geologic formations. | j.* Delineation of any rock units that can be easily weathered. |
| e.* Detailed description of all rock types to be encountered on the mine site. | k. Delineation on the cross sections of the elevation of the average and seasonal high ground table(s). |
| f.* Description (with strike and dip measurements) of bedrock within 200 feet of mining or proposed mining area(s). | l. Any other geologic information necessary to describe the mineral deposit and the geologic engineering basis for the proposed mining and reclamation plans. |

*For hard rock operations only

(D-5) Has exploratory or development drilling been used on the mining site? Yes No

If **YES**, show the location, by number, of all test holes on the "geologic site map" attached to the application. Also, for each test hole, show in feet and decimals the thickness and rock unit for each stratum overlying the mineralized zones or economic mineral deposit if the zone is discontinuous, also describe the intervening strata. Attach the report that includes the technical data for each hole that includes a table showing unit and thickness and the amount of overburden and commercial mineral deposit.

(D-6) Attach a description of the typical soil profile(s) (from ground surface to a minimum depth of ten feet) encountered on the site. If more than one profile, show extent of each on an aerial photograph overlay.

(D-7) What is the direction of groundwater flow in the area affected by the mining or processing operations?
West

(D-8) Describe the environmental setting of the mining site using the Environmental Description Form.

SUPPLEMENT E: MINERAL PROCESSING & WASTE DISPOSAL

(E-1) Attach a diagrammatic sketch of the entire mineral processing system.

(E-2) Indicate if there will be any waste material result from the processing operations and how much volume. Yes No

If **YES**, how will this material be disposed of? material considered unsuitable for production of construction aggregates will be stockpiled on-site and used later during reclamation. Estimated volume = 300,000 cy

(E-3) **FOR WET PROCESSING OPERATIONS: NO WET PROCESSING PROPOSED.**

a. Estimate quantity (gallons per day) and quality of water required by the (proposed) processing operation, specifying (proposed) sources of this water, methods of its conveyance to the property, and the quantity and method of disposal and used and/or surplus water.

b. Submit a diagrammatic flow chart of the process water handling system and attach a narrative explanation of the system.

c. Type of collection basins used: Concrete Wood Steel Earthen

Size of basins: _____ Attach calculations for basin sizing (storm interval/intensity)

d. For earthen basins only, explain how the bottom and sides will be made impervious and the slopes stabilized to prevent erosion. _____

e. Will sludge be removed from the settling basins? Yes No

If **YES**, describe the method and frequency of sludge removal and disposal. _____

f. Is there is any discharge from the process water system? Yes No

If **YES**, submit a Regional Water Quality Control Board approval for the project

SUPPLEMENT F: DEVELOPMENT OF THE MINE

(F-1) Using the mine site map or aerial photograph as a base, provide a detailed mine development plan map and cross sections clearly detailing the following:

- a. The accurate perimeter and total acreage of the area covered by this Reclamation Plan Application.
- b. The perimeter and acreage(s) of each area designated for current or future (specify) mining, processing, stockpiling, overburden disposal or storage, waste disposal, settling ponds, water storage, and/or any other use relevant to the operation.
- c. The directions in which mining will progress, the anticipated height of any rock or soil faces or cuts and the anticipated depth of mine excavation and development. Reference benchmarks used to determine depth of excavation.
- d. Depiction of separate mining phases, if applicable. These phases should be integrated with concurrent or phased reclamation as described in Supplement "J".
- e. Indicate location of reference benchmarks used to determine depth of excavation.
- f. Any other information relevant to an understanding of Applicant's mining plans.

(F-2) Describe the development of the mining operation, including timetable for phasing and concurrent reclamation as detailed in Supplement "J".

Mining will take place in phases. Phase 1 is the period of extraction where the primary use of the material will be to produce construction aggregates for the California Valley Solar Ranch project. Significantly less material will be used for other purposes in the County during Phase 1. Phase 1 is expected to take place over a 2 year period. During Phases 2 and 3 the extracted material will be used primarily for purposes in the County other than the California Valley Solar Ranch project. It is anticipated that some relatively small quantities of material will be used for maintenance of roadways associated with the California Valley Solar Ranch project. The duration of Phases 2 and 3 will depend on the need for construction aggregates in the vicinity; however, Phases 2 and 3 could take place over a 20 to 30 year period. Mine reclamation will be performed in phases following completion of each phase of mining.

(If additional space is necessary, attach additional sheets.)

(F-3) Describe the method of mining.

Following ripping of the source rock with dozers, the more durable material will be dozed toward the processing area. The more weathered or less durable material will be dozed to the stockpile for unsuitable material. Depending on the size range of the material produced, the material will be dry screened, if needed, and stockpiled for use. Oversize material retained on the screen may be stockpiled for use as rip-rap or the material will be trackwalked to crush the material and added to the other stockpiles.

(If additional space is necessary, attach additional sheets.)

(F-4) Describe method of soil salvage and storage for future mine reclamation. Show location(s) on plan

map and identify in field. Indicate volume and describe how soil stockpile(s) will be protected from erosion.

Prior to mining or grading in any area of existing natural terrain, the existing topsoil will be stripped and placed in the designated topsoil stockpile area. In general, the existing topsoil ranges from about 1 to 3 feet thick. It is anticipated that most of the topsoil stockpiling will take place during Phase 1. The stockpile slopes will be constructed at gradients no steeper than 2 horizontal to 1 vertical. The stockpile will be allowed to revegetate with the native seeds contained in the topsoil. Excavation will be phased as shown on the plans included. Annual inspection and maintenance of the stormwater conveyance channels will be necessary to prevent erosion and sediment transport.

(If additional space is necessary, attach additional sheets.)

(F-5) Describe method of removing, handling and storing topsoil.

The topsoil will be moved with a combination of equipment including dozers, loaders and scrapers. The topsoil stockpile slopes will be constructed at gradients no steeper than 2 horizontal to 1 vertical. Slope faces will be trackwalked. Surface water runoff from the topsoil area will be directed to a water quality basin as shown on the plans.

(If additional space is necessary, attach additional sheets.)

(F-6) What will be done with non-usable material (impure, oversize, etc.) encountered during mining? If it is permanently placed, indicate what the compaction will be (in percent) and how it will be obtained.

Unsuitable material will be placed in the designated stockpile area shown on the mining plan. The stockpile will be temporary since the material will be used for subsequent reclamation of the mine area. Surface water runoff from the stockpile and processing area will be directed to a water quality basin as shown on the plans. Temporary swales and/or berms will be made to control the direction of runoff within the active areas of the mine.

(If additional space is necessary, attach additional sheets.)

SUPPLEMENT G: STREAMS

(G-1) Will this operation involve the relocation, blockage, and/or alteration of any watercourse or stream?

- Yes No

If YES, what is the drainage area of the watershed above the operation? _____

PLEASE REFER TO ATTACHED SUPPLEMENT G.

(G-2) If YES to (G-1)

a. Have you obtained a streambed alteration agreement from the California Department of Fish and Game? Yes No

If YES, Agreement # _____ and Expiration Date _____ (Attach a copy)

b. Have you contacted the Regional Water Quality Control Board and Army Corps of Engineers regarding their requirements?

- Yes No If YES, attach evidence of approvals obtained

(G-3) Will any mining and/or the placing of spoil be:

a. Within 10 feet of any watercourse or stream? Yes No

b. 100 Year Floodplain? Yes No

If YES, what measures will be taken to prevent this material from entering the stream or watercourse by erosion, siltation, or sliding?

PLEASE REFER TO ATTACHED SUPPLEMENT G

(G-4) Have provisions been made to prevent the possible redirection of any stream into the operation?

- Yes No

If YES, what are they and if structures have been placed, are they engineered? The limits of the
the quarry were established to prevent redirection of existing streams. Runoff will be
directed around the quarry in engineered swales, culverts under roadways and to down-
stream water quality ponds. Refer to the attached plans for additional information.

(G-5). If the stream supports sensitive species or resource (ex. Red legged frog, indigenous fishery), what steps will be taken to protect these species? No sensitive resources are associated with

the on-site drainage and sheet flow areas. Other than the water quality measures
described in attached supplement G, no steps are necessary to protect sensitive
species or resources.

(If additional space is necessary, attach additional sheets.)

SUPPLEMENT H: WATER, EROSION & SEDIMENTATION CONTROL

(H-1) SURFACE WATER

- a. How will surface water be handled in order to prevent its entrance into the actual excavation/mining area? The mine has been designed to reduce the potential for surface water entering the disturbed area.
- b. If there is off-site discharge, has a Storm Water Pollution Prevention Plan been prepared for the Regional Water Quality Control Board and their approval obtained? Yes No
If **YES**, attach evidence of the approval.

(H-2) GROUNDWATER

- a. What is the highest groundwater elevation in this area? 100 to 150 BGS Date: 2009
- b. What is the direction of groundwater movement in the affected area? West
- c. In consolidated material, what are the orientations of the major fractures or joints sets? The rock is highly fractured, bedding planes are the most prominent discontinuity striking north to northwest and dipping 30 to 85 east.
- d. Will groundwater be encountered during the course of mining (including any perched, regional or artesian flow)? Yes No

If **YES**, how will this water be handled? _____

e. Will the method explained in d. (above) result in discharge from the operation? Yes No
If **YES**, attach evidence of a Regional Water Quality Control Board approval.

(H-3) DATA TO BE SUBMITTED FOR SETTLING BASINS

- a. Surface Water Erosion Control
 - 1. Maximum total surface area to be drained by the basin(s) 24.5 acres.
 - 2. Maximum disturbed area to be drained by the basin(s) 23.2 acres.
 - 3. Minimum retention time 48(for 1hr/25yr event) hours.
 - 4. Basin sizing based on: storm? interval? intensity?
 - 5. Discharge Point protected from erosion? Yes No

If **YES**, attach figure showing basin and related facilities design including erosion protected discharge point.

- 6. Attach calculations verifying at least adequate capacity for a 1 hour/20 year storm event.
- 7. Has the Regional Water Quality Control Board approved the surface water erosion control plans?
 Yes No

If **YES**, attach evidence of approval.

- b. Quarry Dewatering **NONE PROPOSED.**

- 1. The maximum anticipated discharge is _____ GPM; _____ MGD.
- 2. Minimum retention time in the pit sump or settling basin(s) _____ hours.
- 3. Will the method outlined in (H-2d. above) result in a discharge from the operation?
 Yes No

If **YES**, show location of collection basins for settling and neutralization on the mining plan. Also, attach evidence of a Regional Water Quality Control Board and Army Corps of Engineer's approval.

- c. Sludge
 - 1. Will sludge be removed from the settling basins? Yes No

If **YES**, describe the method and frequency of sludge removal and disposal. If there is a potential for hazardous material to be located in the basins it must be tested by a state certified laboratory and appropriate treatment established. (Locate disposal site(s) on the Mine Development Plan).

2. If sludge is not to be removed, describe method to be used to reclaim settling basins after reaching their design capacity. _____

3. Attach both cross-section and plan views of the proposed settling basin(s) (or pit sump) and specify the length, width, depth, slope ratios and sludge storage capacity.

SUPPLEMENT I: PUBLIC & PRIVATE WATER SUPPLY INFORMATION NONE PROPOSED.

(I-1) List all public water supplies within three (3) miles of the closest discharge point of the proposed mining operation. Key and locate each public source on the USGS quadrangle.

KEY	NAME	ADDRESS	TYPE OF SUPPLY

(I-2) List all private sources of water supply on and within 1,000 feet of the mining area. Key and locate each source on the USGS quadrangle or mine development plan map.

KEY	NAME	ADDRESS	TYPE OF SUPPLY

SUPPLEMENT J: MINE RECLAMATION PROPOSAL

RECLAMATION PLAN MAP INSTRUCTIONS

- (J-1)** Using the mine site map or aerial photograph as a base, provide a detailed reclamation plan map and cross sections to show the following:
- a. The areas covered by the plan.
 - b. Mining and reclamation phase boundaries.
 - c. Location of all drainage features, including ditches, ponds, berms, dikes, stream diversions, and natural drainages.
 - d. Indicate the finished grade and profiles after reclamation.
 - e. Areas to be revegetated, mulched, resoiled, decompacted or fertilized.
 - f. All other pertinent reclamation information that is discussed in J-2 and can be shown graphically.

RECLAMATION NARRATIVE INSTRUCTIONS:

(J-2) Attach a "reclamation narrative" describing the proposed methods of reclamation, their phasing and timing, to be used in bringing the reclamation of the affected area to its end state. Also, describe how reclamation will be integrated with the mining plan (Supplement "F"). Include in the discussion those of the following topics which are applicable to the particular mine being reclaimed:

- a. Backfilling, grading, and slope treatments.
- b. Stabilization of all slopes. Include mined area, permanent waste dumps, tailings, settling ponds, etc. (Provide geotechnical stability analysis if final slope approaches the critical gradient.)
- c. Removal, disposal, or utilization of residual equipment, structures, refuse, etc.
- d. Control of contaminants, (if applicable) especially with regard to surface runoff and groundwater.
- e. Removal or minimization of residual hazards.
- f. Treatment of streambeds and streambanks to control erosion and sedimentation.
- g. Rehabilitation of pre-mining drainage.
- h. Resoiling, revegetation with evidence that proposed (and specified) plants can survive given the site topography, soil and climate, and given the time of year for revegetation. List species to be planted.
- i. Indicate surface preparation, plant installation and seed application rate and method.
- j. Provide revegetation performance standards if native species will be used. If reclamation is to agricultural use, provide anticipated yields, crops, etc. (See CCR Section 3707 State mining & Geology Board Reclamation Regulations)
- i. All other aspects of the proposed reclamation plan.

(J-3) If this plan does not provide for revegetation on all or part of the area, describe in detail alternate procedures proposed to prevent soil erosion and/or siltation.

All of the disturbed area will be revegetated as described in the reclamation plan.

(J-4) Prepare a detailed cost estimate, based on the financial assurance guidelines adopted by the state

RECLAMATION PLAN APPLICATION
San Luis Obispo County Department of Planning and Building
SUPPLEMENTAL INFORMATION

SUPPLEMENT C: MINE LOCATION AND ACCESS

(C-3) Describe the access route to the mining site and indicate the number of truck trips per day, week, month or year.

Period of construction at the California Valley Solar Ranch (CVSR) project:

Truck trips per day: 60 Truck trips per week: 200

Truck trips per month: 800 Truck trips per year: 8,000

Following completion of the CVSR construction phase, the long term use will involve longer hauling distances and probably more sporadic quarry operations. Daily truck trips would be reduced to 20 per day.

SUPPLEMENT D: GEOLOGY, SOILS, HYDROLOGY & ENVIRONMENT

(D-8) Describe the environmental setting of the mining site using the Environmental Description Form.

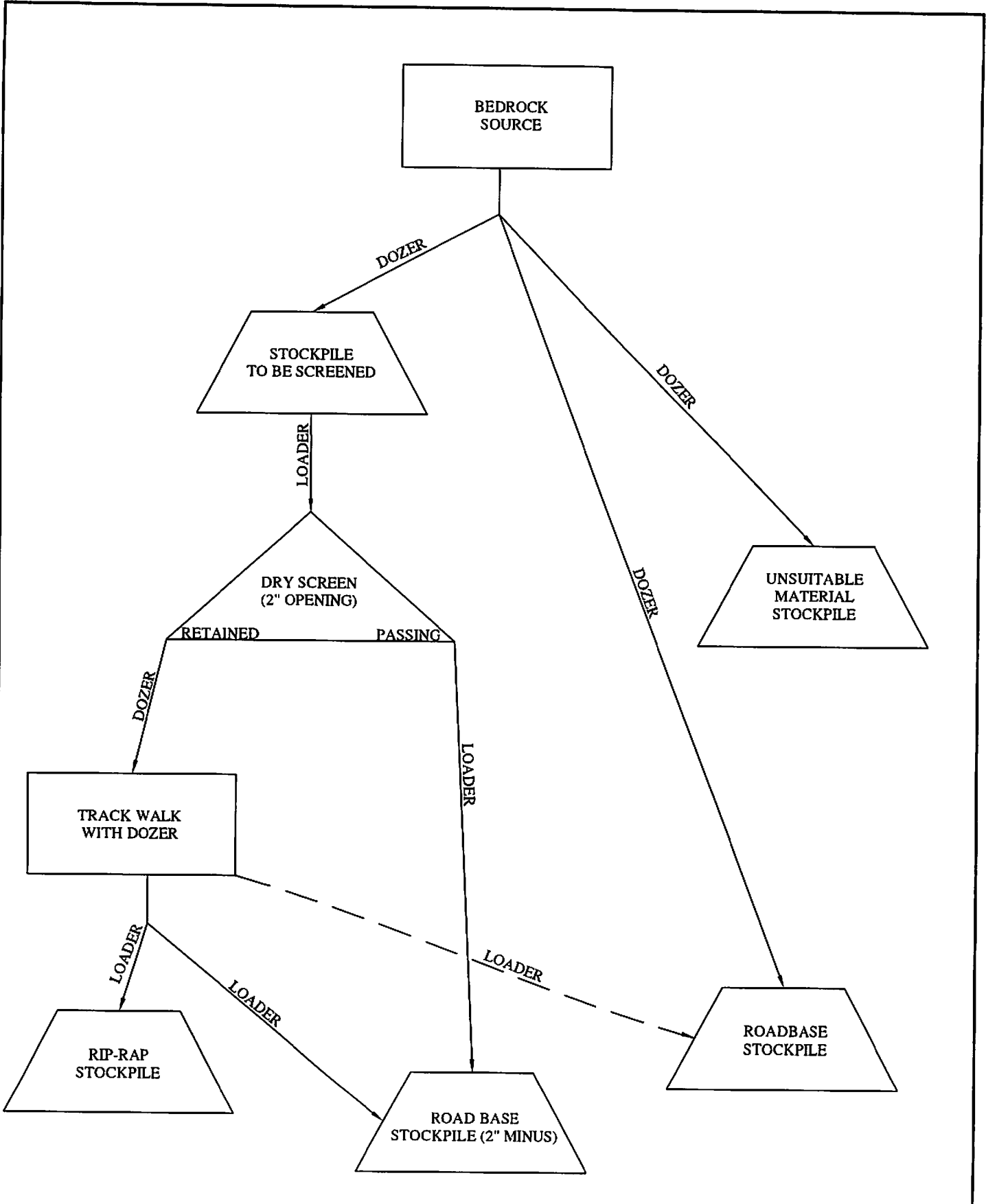
The site lies in low hills along the northeastern margin of the Carrizo Plain, where the San Andreas fault zone separates the plain from the Temblor Range to the northeast. Elevations on the property range from a low point of 2,431 feet above mean sea level (msl) along the western margin of the site—an area proposed for one of two basins to control runoff from the property—up to 2,635 feet msl at the northern tip of the site. A local swale collects runoff from a small area (about 40 acres) to the east, but is blocked by fill from the access road at the southern tip of the project site. Further to the south, the access road crosses two unnamed dry streambeds, at distances of about 0.5 miles and 1.2 miles from the southern tip of the site. The southern stream, while ephemeral, contains wetland vegetation in a depressed area adjacent to the access road.

The site is part of a large region of grazing land, and was used for grazing from the early 1900s until approximately 2000. Since then, the site has been excavated to obtain fill material for use in agricultural operations on and near the property, and in road fill and erosion repair for private and public roads in the region. About two-thirds of the site consists of exposed weathered rock and fill material resulting from past and current quarry

activities. The ungraded areas along the western, northern, and eastern margins of the site are covered with California (non-native) annual grassland.

No prehistoric or historic resources are believed to be on the site. No sensitive species are recorded on the property in the California Natural Diversity Data Base, and none were observed during surveys. The property is within the range of San Joaquin kit fox, and kit fox has been recorded nearby, approximately one mile to the west. Giant kangaroo rat was also recorded in the same vicinity.

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**MATERIAL PROCESSING DIAGRAM
SUPPLEMENT E-1
TWISSELMAN QUARRY
SAN LUIS OBISPO COUNTY, CALIFORNIA**

PROJECT NO.: 8521.000.000
DATE: JUNE 2009
DRAWN BY: SRP CHECKED BY:

FIGURE NO.
E-1

SUPPLEMENT F: DEVELOPMENT OF THE MINE

(F-2) Describe the development of the mining operation, including timetable for phasing and concurrent reclamation as detailed in Supplement "J".

Prior to initiation of mining, the following activities are planned:

- 1) Water quality basins will be constructed as shown on the plans.
- 2) Improvements will be made to the drainage course along the south and southeast side of the mine area as shown on the plans.
- 3) The limits of Phase 1 mining area will be staked as shown on the plans.
- 4) Topsoil from the Phase 1 mine area will be stripped and placed in the designated topsoil stockpile area.

(F-4) Describe method of soil salvage and storage for future mine reclamation. Show location(s) on plan map and identify in field. Indicate volume and describe how soil stockpile(s) will be protected from erosion.

Topsoil from the currently undisturbed portion of the mine area and from Water Quality Basins will be stockpiled for future reclamation purposes. Based on the findings of our exploration, we estimate that the thickness of the existing topsoil typically ranges from about 1 to 3 feet thick. Assuming an average thickness of 2 feet, we estimate that approximately 35,000 cubic yards of topsoil are available for stockpiling.

We understand that topsoil from the California Valley Solar Ranch project may be hauled to the mine area. Depending on the quality and quantity of this material, it is anticipated that this topsoil may be placed in the topsoil stockpile or the unsuitable material stockpile.

In conjunction with reclamation activities, a layer of topsoil roughly 6 inches thick will be placed where previous mining activities results in removal of topsoil. Topsoil will be placed in the following areas:

Area Name	Size of Area (sf)	Volume of Topsoil Needed (cy)
Mining Area	624,994	11,574
Basin B1	40,172	744
Basin B2	15,300	283
Processing and Staging	116,695	2,161
Total	797,161	14,762

The estimate provided above indicates that substantially more topsoil will be available for stockpiling than is needed for the actual reclamation. This overage should more than cover losses during mining and material moving.

The mining plan shows an area of approximately 52,945 square feet that has been designated for stockpiling of topsoil. This area will contain the quantity of topsoil needed for reclamation with an average stockpile thickness of less than 8 feet.

SUPPLEMENT G: STREAMS

(G-1) What is the drainage area of the watershed above the operation?

Unnamed drainage N/2 Section 34 T29S R19E: 1,213 acres above road crossing. (This is the southerly of the two streams crossed by access road approximately 1.2 miles south of the site, and is designated "R" in the wetland delineation report.)

Unnamed drainage NW/4 Section 27 T29S R19E: 1,390 acres above road crossing. (This is the northerly of the two streams crossed by access road approximately 0.5 miles south of the site, and is designated "Q" in the wetland delineation report.)

(G-3) What measures will be taken to prevent this material from entering the stream or watercourse by erosion, siltation, or sliding?

1. The processing and staging operation will be maintained within the area of previous disturbance, minimizing the new disruption of the ground surface.
2. The natural drainage from eastern (upstream) land will be maintained in its current condition and restored by replacing the current access road fill with a culvert to eliminate the existing blockage of low runoff flows in this drainage near the mine site entrance.
3. The mining plan calls for the excavation of material in a series of relatively flat pads of progressively lower elevation, which will over time reduce the extent of the existing steep cut slopes.
4. The final mine configuration will have maximum cut slopes of 3:1, and most of the mined area will have a more gradual slope (10:1).
5. Two water quality basins will be constructed to intercept and detain runoff from all disturbed areas, and to minimize the discharge of sediment to downstream areas.

SUPPLEMENT H: WATER, EROSION & SEDIMENTATION CONTROL

(H-3.6) Temporary Sedimentation Basin Sizing Calculations

As part of the Reclamation Plan Application for the Twisselman quarry reclamation project, we are providing this document to demonstrate that the proposed sedimentation basins have adequate capacity for the 1 hour/20 year reoccurrence interval storm event (as required in item (H-3)-6 on page 11 of the referenced Application).

To determine the rainfall depth of the 1 hour/20 year reoccurrence interval storm event we acquired published storm event depths from the San Luis Obispo County Public Improvement Standards from 2008 (Table H-4 of Reference 2). Using published event depths for the 2 year, 5 year, 10 year, 50 year, and 100 year we extrapolated a 20 year rainfall depth of 0.68 inches/hour.

We used this rainfall intensity in the Rational Method to determine flow rates entering the two sedimentation basins as shown in Table 1. For conservatism, we also calculated flow rates for the 1 hour, 25 year storm event:

Table 1: Rational Method

Parameter	Basin 1 (20 year)	Basin 1 (25 year)	Basin 2 (20 year)	Basin 2 (25 year)
Watershed Acreage	16	16	8.5	8.5
I (in/hr)	0.68	0.7	0.68	0.7
C	0.5	0.5	0.5	0.5
Q (cfs)	5.48	5.60	2.91	2.97

The flow rates calculated in Table 1 were converted to flow volumes for the 1 hour event and compared to the designed basin volumes as shown in Table 2:

Table 2: Volume Comparison

	Water Volume from the 1hr/20 year storm event (ft ³)	Water Volume from the 1 hr/25 year storm event (ft ³)	Approximate Proposed Basin Volume (ft ³)
Basin 1	19,722	20,160	87,561
Basin 2	10,477	10,710	44,670

As demonstrated in Table 2, we have provided ample capacity for both the 20 year and 25 year 1-hour storm events. After establishing the adequacy of the basin sizing, we designed the riser pipe structure to allow for a 48 hour drawdown interval for the 1 hour 25 year reoccurrence interval storm. We accomplished this by including a water quality orifice sized in accordance with the California Stormwater BMP Handbook from 2003 (section SE-2 of Reference 1).

The orifice sizing equation used is as follows:

$$a = \frac{(7 \times 10^{-5}) A (H - H_0)^{0.5}}{CT}$$

- Where
- a = area of orifice (ft²)
 - A = surface area of basin at mid-elevation (ft²)
 - C = orifice coefficient
 - T = drawdown time of full basin (hrs)
 - H = elevation when basin is full (ft)

We calculated the surface area and basin elevation for the water stage of the 1 hour, 25 year reoccurrence interval storm event. We used a typical orifice coefficient of 0.6 and a drawdown time of 48 hours. The resulting orifice diameters are shown in Table 3:

Table 3: Orifice Diameters

	Basin 1	Basin 2
Orifice Diameter (inches)	3.5	2.0

- References:
1. California Stormwater Quality Association. California Stormwater BMP Handbook. Errata 9-04. 2003.
 2. San Luis Obispo County, Department of Public Works. Public Improvement Standards. Revised November 2008.

SUPPLEMENT J: MINE RECLAMATION PROPOSAL

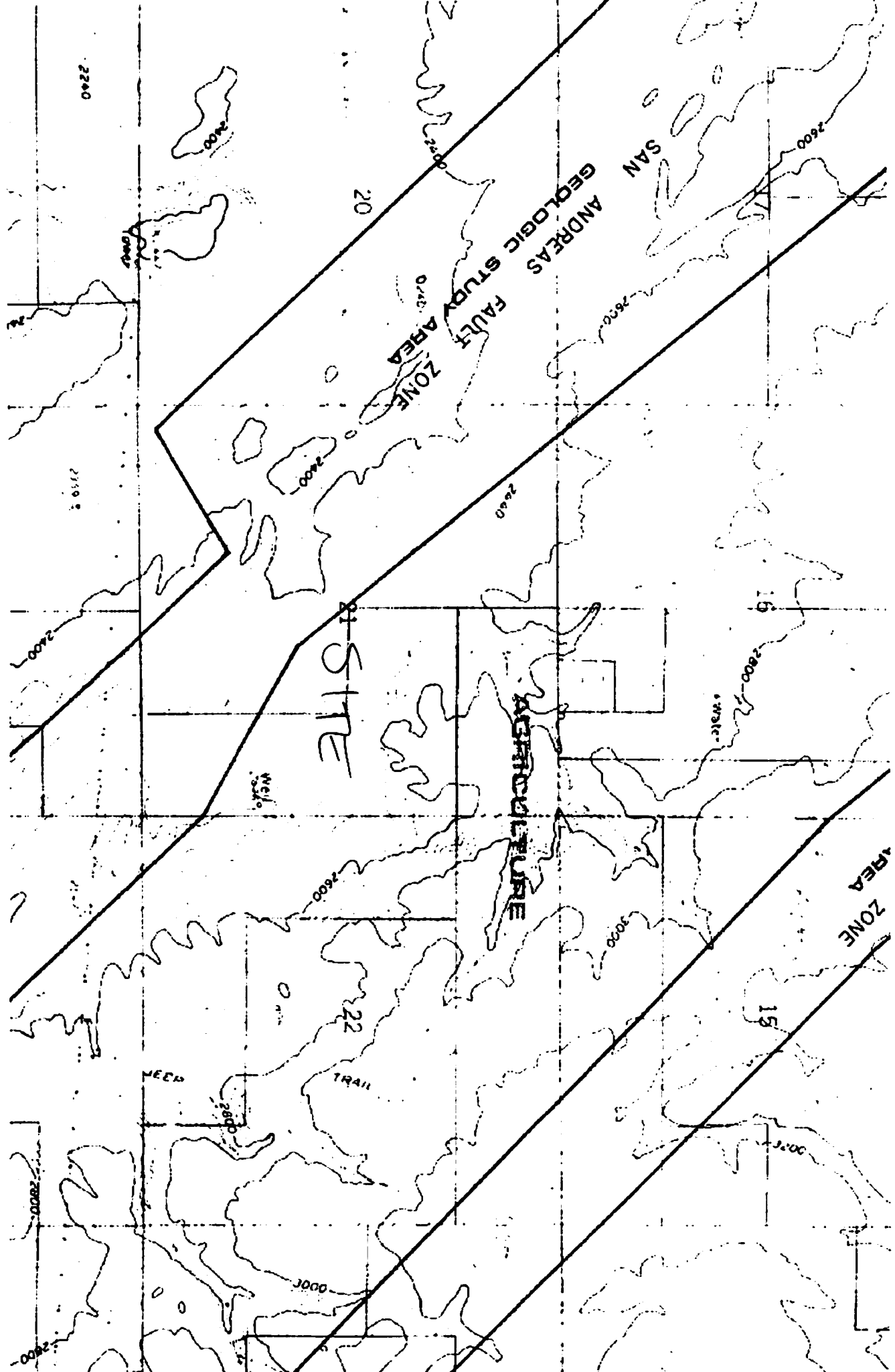
(J-2) Reclamation Narrative

Mine reclamation measures will be performed following completion of each phase of mining. For mining Phases 1 and 2, the following reclamation measures will be implemented:

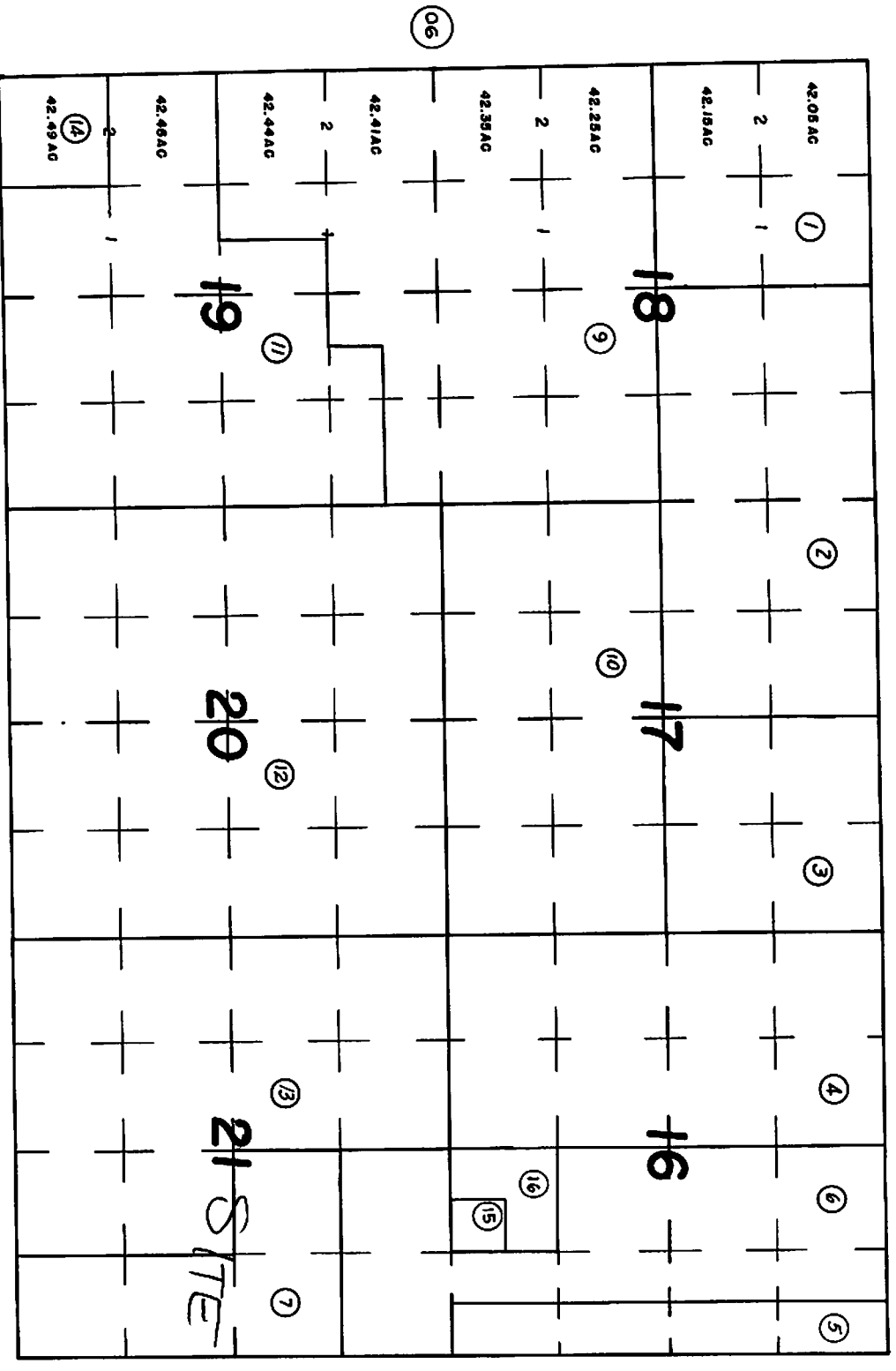
- Proposed reclamation slopes will be finish graded to the proposed contours.
- Where graded slopes meet the adjacent natural slopes, contours will be rounded to produce a natural appearance.
- Previously stockpiled topsoil will be placed on the reclamation slopes. Prior to placing the topsoil layer, the graded slope should be scarified to a depth of 4 to 6 inches. The topsoil layer should be 4 to 6 inches thick and should be track walked or wheel rolled to produce a firm surface.
- The reclamation slopes should be seeded with the specified seed mix at the specific application rate shown on the Revegetation/Erosion Control Plan.
- Erosion control measures should be installed as shown on the Revegetation/Reclamation Plan.

Following completion of mining Phase 3, these reclamation measures will be implemented:

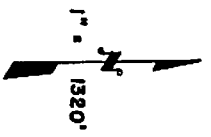
- The reclamation measures outlined for Phases 1 and 2 should be implemented for the Phase 3 area, in addition,
- All mine processing equipment should be removed from the site.
- Material in the unsuitable material stockpile should be placed in mine area and water quality basins as shown on the Reclamation Plan
- The area of the water quality basins should be restored to the original grades. A layer of topsoil should be placed over the basin areas, the areas should be seeded and erosion control measures should be installed as shown on the Revegetation/Erosion Control Plan.



T. 29 S., R. 19 E., M. D. M.



THIS MAP IS PREPARED FOR ASSESSMENT PURPOSES ONLY



REV 4/10/76

NOTE—ASSESSOR'S BLOCK & LOT NUMBERS SHOW IN CIRCLES

SAN LUIS OBISPO COUNTY CALIFORNIA



Parcel Summary Report For Parcel # 072-071-007

8/5/2009
4:56:57PM

San Luis Obispo County Department of Planning and Building
County Government Center San Luis Obispo, California 93408 Telephone: (805) 781-5600

Address Information

Status Address

Lot Information:

Community: CARR
Planning Area: SHCA

<u>Lot Type</u>	<u>Tract / Township</u>	<u>Block / Range</u>	<u>Section</u>	<u>Lot</u>	<u>Land Use Elements</u>	<u>Lot Flags</u>	<u>Misc</u>
R	T29S	R19E	21P	U	AG / GS	MB / ZP	

People Information

<u>Role</u>	<u>Name and Address</u>	<u>Phone Numbers and Contact info</u>	<u>Notes</u>
OWN	TWISSELMAN ROWLAND W 7390 CATTLE DR SANTA MARGARITA CA 93453-9766		
OWN	TWISSELMAN CATHERINE A		

Parcel Information



Parcel Summary Report For Parcel # 072-071-007

8/5/2009
4:56:57PM

San Luis Obispo County Department of Planning and Building
County Government Center San Luis Obispo, California 93408 Telephone: (805) 761-5600

Status
Active

Description
T29S R19E PTN SEC 21 LESS 6% MIN RTS

Notes
FEES ASSOCIATED WITH A PROPOSED SURFACE
MINE (AND EIR COORDINATED WITH SUNPOWER
PROJECT) HAVE BEEN DETERMINED TO BE
\$20,938.50. THIS INCLUDES 1/2 REDUCTION OF
ENV. FEES PER FOOTNOTE 35
THE FEE ESTIMATE CAN BE FOUND AT
G:\ENVIRONMENTAL\OFFICE
ADMINISTRATION\STAFF\MURRY
FILE NAME: SMARA FEE ESTIMATE_TWISSLEMAN
FEES ARE APPLICABLE THROUGH JUNE 30, 2009