



SAN LUIS OBISPO COUNTY

DEPARTMENT OF PLANNING AND BUILDING

VICTOR HOLANDA, AICP
DIRECTOR

THIS IS A NEW PROJECT REFERRAL

DATE: 9/5/07

TO: _____

FROM: Jeff Oliveira, Environmental Division

PROJECT DESCRIPTION: DRC2007-00016, MAININI- MUP- expand mining area and reclamation plan. APN: 046-201-028.

Return this letter with your comments attached no later than: 14 days from receipt of this referral. By 9/20/07.

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

GENERAL APPLICATION FORM

San Luis Obispo County Department of Planning and Building

File No _____

APPLICATION TYPE CHECK ALL THAT APPLY

- | | | |
|---|---|--|
| <input type="checkbox"/> Emergency Permit | <input type="checkbox"/> Tree Permit | <input type="checkbox"/> Plot Plan |
| <input type="checkbox"/> Zoning Clearance | <input type="checkbox"/> Site Plan | <input checked="" type="checkbox"/> Minor Use Permit |
| <input checked="" type="checkbox"/> Conditional Use Permit/Development Plan | <input type="checkbox"/> Curb, Gutter & Sidewalk Waiver | <input type="checkbox"/> Variance |
| <input checked="" type="checkbox"/> Surface Mining/Reclamation Plan | <input type="checkbox"/> Modification to approved land use permit | |
| <input type="checkbox"/> Other | | |

APPLICANT INFORMATION Check box for contact person assigned to this project

Landowner Name Mainini Family Limited Partnership Daytime Phone _____
Mailing Address _____ Zip _____
Email Address: _____

Applicant Name Negranti Daytime Phone _____
Mailing Address _____ Zip _____
Email Address: _____

Agent Name Same as Applicant Daytime Phone _____
Mailing Address _____ Zip _____
Email Address: _____

PROPERTY INFORMATION

Total Size of Site: 225 Acres Assessor Parcel Number(s): 046-201-028
Legal Description: SW 1/4 + SE 1/4 of Section 35, T 28 South, R 10 East
Address of the project (if known): 1 Old Creek Rd, Cayucos, CA
Directions to the site - describe first with name of road providing primary access to the site, then nearest roads, landmarks, etc.: Old Creek Road, 2 miles East of Highway One
Describe current uses, existing structures, and other improvements and vegetation on the property: Mining + Cattle Grazing, Mine Structures + Cabin, Heavy Brush + Grasslands.

PROPOSED PROJECT

Describe the proposed project (inc. sq. ft. of all buildings): Expand Mining Area and update reclamation plan.

LEGAL DECLARATION

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

Property owner signature _____ Date 8/2/2007

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 Mine

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: Old Creek Road

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?: _____

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

North: Whale Rock Reservoir

South: Cattle Grazing

East: Cattle Grazing

West: Cattle Grazing

For all projects answer the following:

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

Buildings: 0 sq. feet 0 % Landscaping: 0 sq. feet 0 %

Paving: 0 sq. feet 0 % Other (specify) 100 Mining

Total area of all paving and structures: 0 sq. feet acres

Total area of grading or removal of ground cover: 100 sq. feet acres

Number of parking spaces proposed: 0 Height of tallest structure: N/A

Number of trees to be removed: 0 Type: _____

Setbacks: Front _____ Right _____ Left _____ Back _____

Proposed water source: On-site well Shared well Other Existing

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 No

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 No

Fire Agency: - List the agency responsible for fire protection: CDF - Cayucos

For commercial/industrial projects answer the following:

Total outdoor use area: 100 sq. feet acres

Total floor area of all structures including upper stories: 0 sq. feet

For residential projects, answer the following: N/A

Number of residential units: _____ 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: _____



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: Whale Rock Quarry (2) CA Mine ID# 91-40-0010
 (3) Existing Land Use Permit Number: _____
 (4) Estimated Life of Operation: 100 years (5) Date of Mine Opening: Prior 1962
 (6) If public ownership (BLM or USFS), has Plan of Operations been prepared? N/A
 Yes No If YES, attach evidence.

MINE INFORMATION

- (7) Raw Materials Mined: Gabbro (8) Yield (in tons or cu. yds./year): 150,000
 (9) Type of Mine: Borrow Pit Stream Bed Skimming Quarry Underground
 Clay Pit Other (Specify) _____
 (10) Geologic Group, Formation and Member: Franciscan Melange
 (11) On-site processing? Yes No
 (12) Total acreage affected by mining:
 Mining: 80 Waste disposal: None
 Processing: 10 Settling ponds: None
 Roads: 2 Support Facilities: 1
 Stockpiles: 5 Total acreage in plan: 98
 (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: _____
 (15) Drainage: Existing (16) Tributary to: Willow Creek
 (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~~ overburden and replacement proposed? Yes No
 (20) Will water be used for mining or processing? Yes No Dust control only
 (21) Will settling basins be used? Yes No Storm run-off only
 (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 Pending

(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: None - Heavy Brush

(25) Proposed use following reclamation: None

(26) Total acreage included in proposed reclamation plan: 80

(27) Estimated costs of reclamation for the first year of operation (attach financial assurance cost estimate worksheet). Express costs in today's dollars: 1st year of operation = None
At end of mining operations - \$28,404

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: 10

REQUIRED SUPPORTING DOCUMENTS

(30) Please make sure you have attached the following items to this application:

- | | |
|---|---|
| <input type="checkbox"/> Notarized statements/possessory interest in lands | <input type="checkbox"/> Reclamation plan map/cross sections |
| <input type="checkbox"/> 7 1/2 min. USGS Quadrangle | <input type="checkbox"/> Typical soil profile |
| <input type="checkbox"/> Site Geologic map/cross sections | <input type="checkbox"/> Diagram of Minera Processing |
| <input type="checkbox"/> Development and Mining Plan/Cross Sections | <input type="checkbox"/> Reclamation narrative |
| <input type="checkbox"/> For pit and hill side mines, drawings showing before and after contours. | <input type="checkbox"/> Reclamation Plan Application Supplements (A through J) |
| <input type="checkbox"/> Revegetation Plan or alternate proposal | <input type="checkbox"/> Financial Assurance Cost Estimate |
| | <input type="checkbox"/> Other documents-1 st |

VERIFICATION

(31) Documents prepared by: Applicant Other (32) Telephone: (805) 995-3357

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

Name _____

Mailing Address _____ City _____ Zip _____

License Number: _____

SUPPLEMENT C: MINE LOCATION AND ACCESS

(C-1) The mining site is located on the Morro Bay North United States Geographic Survey (USGS) 7 1/2 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: 120° 52' X 35° 27'

(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: Old Creek Road

Truck trips per day: _____ Truck trips per week: _____

Truck trips per month: _____ Truck trips per year: _____

SUPPLEMENT D: GEOLOGY, SOILS, HYDROLOGY & ENVIRONMENT

(D-1) Mineral or product (to be) mined Gabbro + Franciscan Shale

(D-2) Brief description of the regional geologic setting Franciscan Melange

(D-3) Detailed geologic description of mineral deposit (to be) mined Franciscan Shale over Gabbro Diabase

(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.
- b. Extent and thickness of overburden (or waste rock).
- c. Detailed description of basic soil types to be encountered on the mining site.
- d.* Geologic formations.
- e.* Detailed description of all rock types to be encountered on the mine site.
- f.* Description (with strike and dip measurements) of bedrock within 200 feet of mining or proposed mining area(s).
- g. Faults with location and relative movement.
- h.* Additional field measurements sufficient to determine the basic rock structure and fabric.
- i.* Orientation of the principle rock structure and fabric.
- j.* Delineation of any rock units that can be easily weathered.
- k. Delineation on the cross sections of the elevation of the average and seasonal high ground table(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?

None - No groundwater

(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? _____

(E-3) **FOR WET PROCESSING OPERATIONS: No Wet Processing, Dust Control Only**

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 start at East End & proceed westward. Reclamation will start after all mining has ended.

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

(F-3) Describe the method of mining.

Drill, Blast, Push with bulldozer and excavate with excavator, and haul with Dump Trucks

(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.

Over burden will be removed and stockpiled for use during Reclamation.

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

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

Remove over burden with an excavator and bulldozer, load into trucks and haul to stockpile site.

(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.

None

(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? _____

(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?

(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? _____

(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 species or indigenous fish. Dry most of year.

(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? Will be sloped away from mining 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 Pending
If YES, attach evidence of the approval.

(H-2) GROUNDWATER

a. What is the highest groundwater elevation in this area? 60' below Surface Date: _____

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? N/A

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) None acres.

2. Maximum disturbed area to be drained by the basin(s) None acres.

3. Minimum retention time None 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 Pending

If YES, attach evidence of approval.

b. Quarry Dewatering

1. The maximum anticipated discharge is 0 GPM; _____ MGD.

2. Minimum retention time in the pit sump or settling basin(s) 17 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~~ *Silt*

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).

Excavator will load excess Silt into Trucks to be stockpiled in overburden stockpile

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

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.

Silt

SUPPLEMENT I: PUBLIC & PRIVATE WATER SUPPLY INFORMATION

(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>None</i>		

(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
	<i>None</i>		

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.

Solid Hard Rock

WHALE ROCK QUARRY RECLAMATION NARRATIVE

The Final Reclamation of the Quarry Expansion is to build a series of benches into the hard rock face at the end of mining activities in that area of the quarry.

During mining the benches will be built and removed as we progress into the hill side. The last series of benches are to remain as part of the reclamation. Each bench will have a safety berm on its outer edge built from stockpiled overburden that will be seeded with the San Luis Obispo County Standard Mix for Erosion Control.

The final slopes will be hard rock and will not need any stabilization, except for the safety berms that will be seeded.

There are no waste dumps, tailings or residual hazards in this operation. All mined materials are usable and sellable.

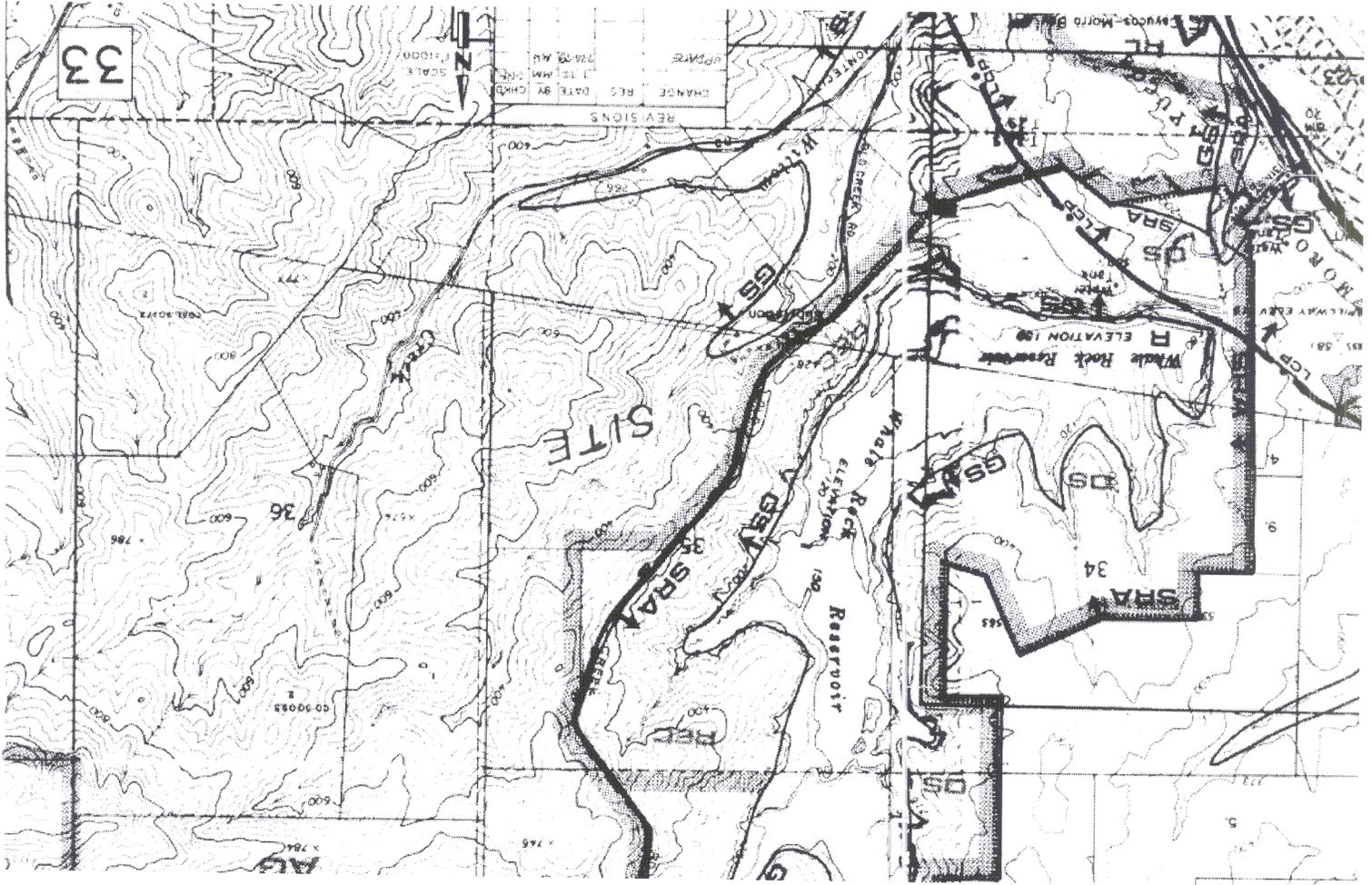
All heavy equipment, crushing equipment and support equipment will be moved off site during or at the completion of reclamation.

WHALE ROCK QUARRY BIOLOGY OF THE QUARRY EXPANSION AREA

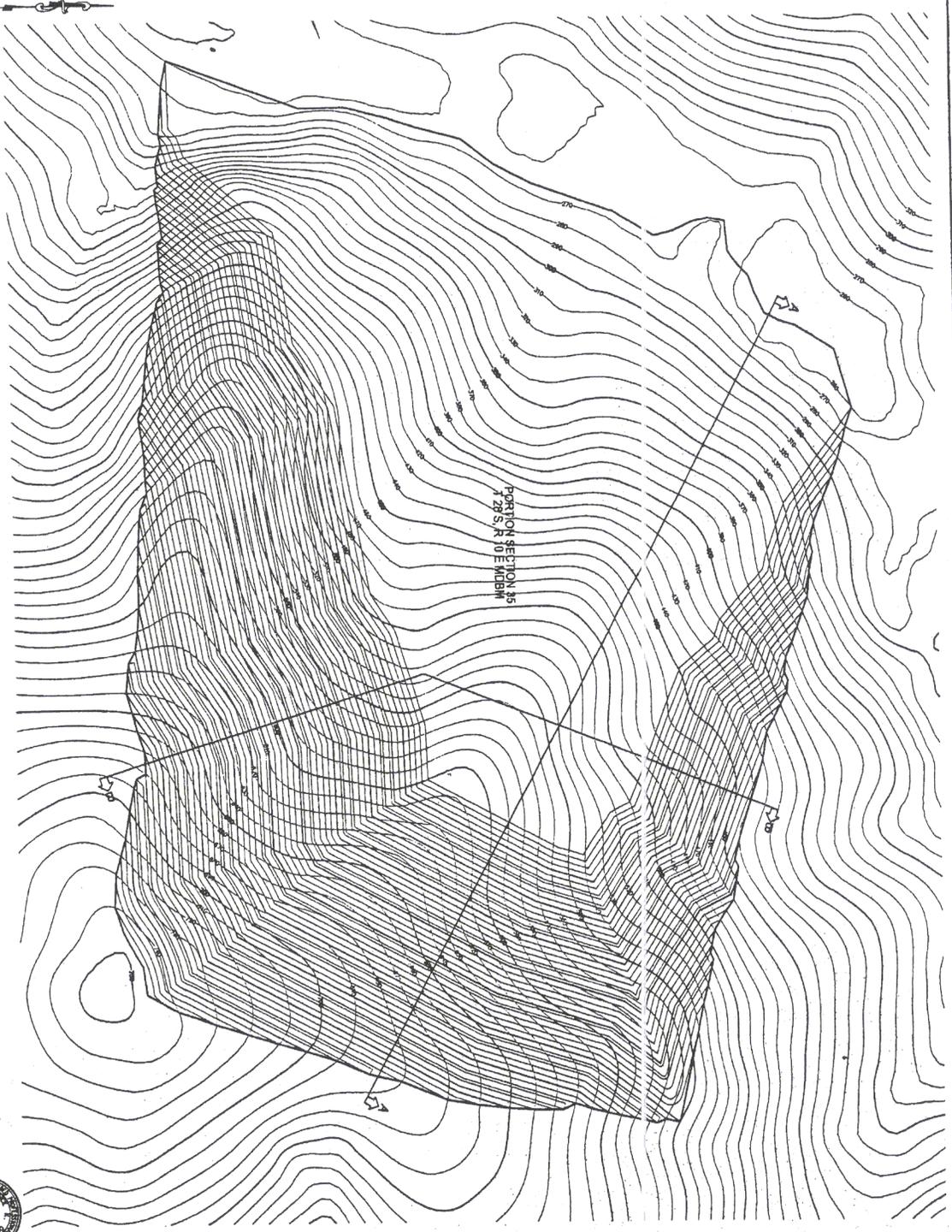
The Quarry Expansion Area is covered in heavy brush. The heavy brush consists mainly of sage brush and coyote brush with black sage and some poison oak. Seasonal monkey flowers, lupines, and California poppies are also present.

**WHALE ROCK QUARRY
VISUAL SCREENING OF THE QUARRY EXPANSION
AREA**

The Quarry Expansion Area will be mined on the side away from the views from Old Creek Road first, minimize the visual impact from Old Creek Road. This will allow the hill side to become a screen for the mining area.



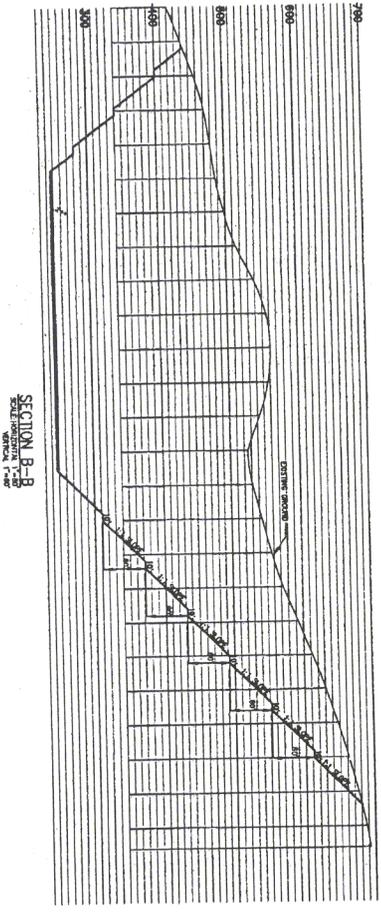
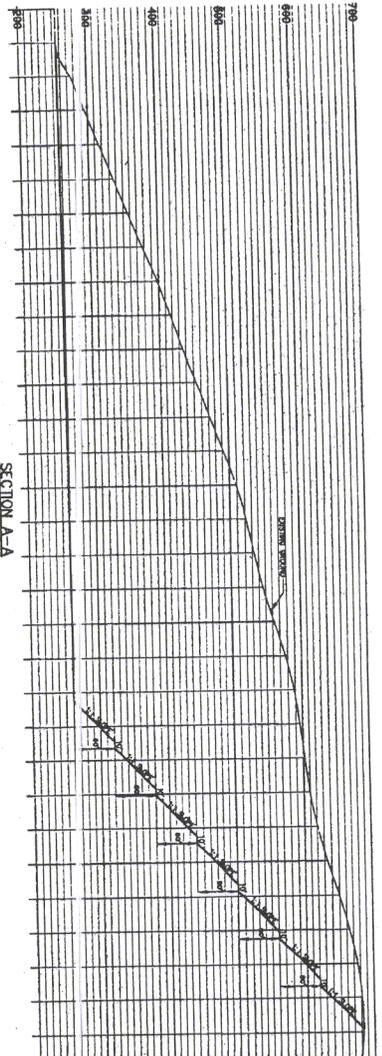




PORTION SECTION 36
T 29 S. R. 10 E M3BM



WESTLAND ENGINEERING, INC. 1424 OLD CREEK ROAD, CANYONS CALIFORNIA 92325 (951) 770-1150 WWW.WESTLANDENGINEERING.COM	
GRADING & RECLAMATION PLAN PREPARED FOR: DAVID REYNOLDS	
PROJECT NO.: SHEET NO.:	DATE: SCALE:
DRAWN BY: CHECKED BY:	PROJECT: 1424 OLD CREEK ROAD, CANYONS
DATE:	SHEET: 2 OF 3



 WESTLAND ENGINEERING, INC. CIVIL ENGINEERING & SURVEYING & PLANNING 1424 OLD CREEK ROAD, CAYUCOS, CALIFORNIA 94007 PHONE (708) 426-1000	
GRADING & RECLAMATION PLAN	
WHALE ROCK QUARRY 1424 OLD CREEK ROAD, CAYUCOS	
Project No. Date Scale Sheet No.	Date Scale Sheet No.
N 720 E 1150	2 of 3