

Attachment C

COUNTY
PLANNING DEPARTMENT

RECLAMATION PLAN APPLICATION

Return to Courthouse Annex, Room 102, San Luis Obispo CA 93401 (805) 549-5

APPLICANT AND GENERAL INFORMATION

(1) Applicant: A. Mainini et ux.	(2) Mailing Address: Route 2, Box 416 San Luis Obispo, CA 93401	Telephone: (805) 543-8006
(3) Type of Ownership: Individual <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Other <input type="checkbox"/>	(4) Status of Application: Original Application <input checked="" type="checkbox"/> Amendment <input type="checkbox"/>	(6) Date Mine (is to be) Opened: Operating
(7) Estimated Life of Operation: 10 years	(5) Mine Name: Whale Rock Pit	(8) Conditional Use Permit Number: None required
(9) Assessor's Parcel Number(s): 46-201-13	(10) USGS Quadrangle: Morro Bay North	

MINE INFORMATION

(11) Raw Materials Mined: Red rock	(12) Yield (In Tons or Cu.Yds./Year): 8,000 cu. yds.
(13) Type of Mine: Borrow Pit <input checked="" type="checkbox"/> Gravel Bar Skimming <input type="checkbox"/> Stream Bed Skimming <input type="checkbox"/> Underground <input type="checkbox"/>	Sand/Gravel Pit <input type="checkbox"/> Quarry <input type="checkbox"/> Clay Pit <input type="checkbox"/> Other (Specify) <input type="checkbox"/>
(14) Geologic Group, Formation and Member: unknown	
(15) Has Exploratory or Development Drilling been Utilized for the Operation? Yes _____ No <input checked="" type="checkbox"/>	
(16) On-Site Processing? Yes _____ No <input checked="" type="checkbox"/>	
(17) Total Acreage Affected by Mining after January 1, 1976: Mining 1 acre Processing none Waste Disposal None Settling Ponds None	
(18) The Operation is (or will be): Continuously Active <input type="checkbox"/> Temporarily Deactivated <input type="checkbox"/> Undeveloped <input type="checkbox"/> Intermittently Active <input checked="" type="checkbox"/> Abandoned <input type="checkbox"/> Other (specify) <input type="checkbox"/>	
(19) Total Acreage Affected by Mining prior to January 1, 1976 and not Reaffected after that Date: 6 acres	
(20) Drainage: Swale	(21) Tributary to: Willow Creek
(22) Will Mining Progress in Separate Phases? Yes _____ No <input checked="" type="checkbox"/>	
(23) Will Groundwater be Encountered During Mining (Including any Perched, Regional, or Artesian Flow)? Yes _____ No <input checked="" type="checkbox"/>	
(24) Is Ongoing, Phased Reclamation Proposed? Yes _____ No <input checked="" type="checkbox"/>	
(25) Is Soil Salvage and Replacement Proposed? Yes <input checked="" type="checkbox"/> No _____	
(26) Will Water be Utilized for Mining or Processing? Yes _____ No <input checked="" type="checkbox"/>	
(27) Will Settling Basins be Utilized? Yes _____ No <input checked="" type="checkbox"/>	
(28) Will Water be Discharged from the Affected Area? Yes _____ No <input checked="" type="checkbox"/>	
(29) Will the Operation Involve Relocation, Blockage or Alteration of any Water Course or Stream? Yes _____ No <input checked="" type="checkbox"/>	
(30) Highest and Best Use of Affected Land Prior to Mining: Wasteland	Grazing
(31) Proposed Use Following Reclamation:	Grazing

OFFICE USE ONLY

MAP NUMBER: _____ GENERAL PLAN: _____
DATE RECEIVED: _____ FILE NUMBER: VM 800409.2
RECEIPT NO: _____ BY: _____

COSTS AND GUARANTEES OF RECLAMATION

(32) Total Acreage Included in Proposed Reclamation Plan: 6 acres

(33) Check: Supplemental "B" Included Previously Filed

(34) Estimated Costs of Total Reclamation or, If Phased Reclamation, Costs for each Phase (Attach Schedule). Express Costs in Today's Dollars: \$500.00

(35) Proposed Type(s) of Guarantee of Reclamation:
 Performance Bond Cash Deposit
 Certificate of Deposit Lien

(36) Acres of Affected Area Previously Covered by Guarantee of Reclamation: None

(37) Type of Guarantee: None

SUPPORTING DOCUMENTS

(58) Check:

<input type="checkbox"/> * Notarized Statements/ Possessory Interest in Lands	<input checked="" type="checkbox"/> * Reclamation Plan Map/Cross Sections
<input checked="" type="checkbox"/> * 7 1/2 Min. USGS Quadrangle Sections	<input checked="" type="checkbox"/> * Typical Soil Profile
<input checked="" type="checkbox"/> * Site Geologic Map/Cross Sections	<input checked="" type="checkbox"/> * Diagram of Mineral Processing System <u>No processing</u>
<input checked="" type="checkbox"/> * Development and Mining Plan/ Cross Sections	<input checked="" type="checkbox"/> * Reclamation Narrative
	<input type="checkbox"/> * Other Documents-List

* These Supporting Documents are Required

VERIFICATION

(39) Documents Prepared By: Charles E. Ogle (40) Telephone: (805) 772-7353

(41) Name and Address of Responsible Person to be Contacted: Mr. and Mrs. Angelo Mainini (42) Telephone: (805) 543-8006

(43) Print or Type Name to be Signed: I, ANGELO MAININI and ANNA MAININI (44) Date: April 2, 1980
 I, ANGELO MAININI and ANNA MAININI state under penalty of perjury that ~~we~~ we are 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 we hereby accept the responsibility for reclaiming the mined lands described herein in the manner described herein and attached, forming the Reclamation Plan for the~~ Mine (Mine, Millsite or Project)

Affidavit:
 State of California)
 County of: San Luis Obispo ss.

I, CHARLES E. OGLE
 a Notary Public in and for the
 State of California, do hereby
 certify that on the 2nd day of
April, 1980, before me
 personally appeared ANGELO MAININI
and ANNA MAININI
 and subscribed and swore this
 instrument. Witness my hand and
 seal this 2nd day of April,
 1980.

Signature: Angelo Mainini
 Signature: Anna Jane Mainini

Owners
 Title

Signed in the County of: San Luis Obispo

CHARLES E. OGLE
 NOTARY PUBLIC
 SAN LUIS OBISPO COUNTY
 CALIFORNIA
 My Commission Expires Nov 18, 1981

NOTE: Instructions for completing this form are contained in the County Planning Department publication, Reclamation Plan Guidelines. Assistance in completing the form will be provided upon request by the Planning Department staff.

COUNTY OF SAN LUIS OBISPO
PLANNING DEPARTMENT



RECLAMATION PLAN APPLICATION SUPPLEMENTALS

Return to Courthouse Annex, Room 102, San Luis Obispo CA 93401 (805) 549-5600

A: OWNER, OPERATOR, & AGENT

A-1. APPLICANT

NAME A. Mainini et ux.
ADDRESS _____
TELEPHONE _____ *wife?*

A-2. APPLICANT CONTACT PERSON

NAME Same as above A-1
ADDRESS _____
TELEPHONE _____

A-3. APPLICANT LIST NAMES, TITLES AND ADDRESSES OF ALL PARTNERS IN THE CASE OF A PARTNERSHIP OR ALL OFFICERS IN THE CASE OF A CORPORATION.

None

A-4. LIST ALL NAMES UNDER WHICH THE APPLICANT HAS PREVIOUSLY OPERATED MINES IN THE COUNTY OF SAN LUIS OBISPO.

None

A-5. NAME(S) AND ADDRESS(ES) OF (ALL) OWNER(S) OF SURFACE RIGHTS.

Same as Above A-1

A-6. NAME(S) AND ADDRESS(ES) OF (ALL) OWNER(S) OF MINERAL RIGHTS.

Same as above A-1

OFFICE USE ONLY

MAP NUMBER: _____ GENERAL PLAN: _____
DATE RECEIVED: _____ FILE NUMBER: _____
RECEIPT NO: _____ BY: _____

A: CONTINUED

A-7. NAME AND ADDRESS OF LESSEE

None

A-8. OPERATOR

NAME A. Mainni et ux.

ADDRESS _____

TELEPHONE _____

A-9. AGENT OF PROCESS (PERSON DESIGNATED BY OPERATOR AS HIS AGENT FOR THE SERVICE OF PROCESS).

NAME Same as above A-1

ADDRESS _____

TELEPHONE _____

A-10. 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 ACKNOWLEDGEMENT.)

B: CONSENT OF LANDOWNER

N/A

We the undersigned, the owners of land located _____

Assessor's Parcel Number(s) _____

upon which _____

(Name of Operator)

is to conduct an open pit mining operation, and for which application 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 within a period of five (5) years after the operation is completed or abandoned only 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, Chapter 22.81, as amended.

In witness whereof we have hereunto set our hands this _____ day of _____, 19__.

(Signature of Landowner)

(Signature of Landowner)

Affidavit:
State Of California)
County Of:)SS.

I, _____ a Notary Public in and for the State of California, do hereby certify that on the _____ day of _____ 197__ before me personally appeared _____ and subscribed and swore this instrument.

Witness my hand and seal this ___ day of _____ 197__.

(SEAL)

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.

C: LOCATION OF MINING SITE

C-1. ASSESSOR'S PARCEL NUMBER(S) AND LEGAL DESCRIPTION OF THE PARCEL(S) ON WHICH THE MINING SITE IS (IS TO BE) LOCATED. INCLUDE TOTAL ACREAGE OF EACH PARCEL.

Sec. 35 T28S R10E MDM
APN 46-201-13

C-2. THE MINING SITE IS LOCATED ON THE Morro Bay North USGS 7½ MINUTE QUADRANGLE. ATTACH COPY OF APPROPRIATE QUADRANGLE WITH THE MINING SITE AND THE PARCEL(S) ON WHICH THE SITE IS LOCATED ACCURATELY PLOTTED.

C-3. DESCRIBE THE ACCESS ROUTE TO THE MINING SITE.

Private driveway to Cypress Mtn. Road
EAST OF P&E SUBSTATION

C-4. LIST NAMES AND ADDRESSES OF ALL ADJACENT PROPERTY OWNERS, WITHIN 300 FEET OF EXTERNAL BOUNDARIES OF THE PARCEL ON WHICH THE MINING SITE IS LOCATED.

None

D: GEOLOGY, SOILS, HYDROLOGY & ENVIRONMENT

D-1. MINERAL (TO BE) MINED. Red rock

D-2. BRIEF DESCRIPTION OF THE REGIONAL GEOLOGIC SETTING.

Foothills of Santa Lucia
Franciscan Formation

D: CONTINUED

D-3. DETAILED GEOLOGIC DESCRIPTION OF MINERAL DEPOSIT (TO BE) MINED.

Red rock

D-4. HAS EXPLORATORY OR DEVELOPMENT DRILLING BEEN UTILIZED ON THE MINING SITE? YES _____ NO X

IF YES COMPLETE SUPPLEMENTAL "E" - "LOGS OF REPRESENTATIVE TEST BORINGS."

D-5. USING THE MINE SITE MAP OR AERIAL PHOTOGRAPH AS A BASE, PREPARE A DETAILED SITE GEOLOGIC MAP WITH TWO INTERSECTING GEOLOGIC CROSS SECTIONS (ONE PERPENDICULAR TO THE AVERAGE STRIKE), 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 to be mined.
10-30 feet
- b. The extent and thickness of overburden (or waste rock).
6 inches
- c. Detailed description of all basic soil types to be encountered on the mining site.
Red Rock and clay loam
- d.* Geologic formation contacts.
- e.* Detailed description of all basic rock types to be encountered on the mine site.
- f.* Location and description (with strike and dip measurements) of rock outcrops within 200 feet of mining or proposed mining area(s).
- g.* Faults and type.
- h.* Additional field measurements sufficient to determine the basic rock structure.
- i.* Strike and dip of the principle rock joints and fracture patterns.
- j.* Delineation of any major rock units which have poor resistance to natural weathering.
- k. Delineation on the cross sections of the location of the average and seasonal high ground water table(s). None
- l. Any other geologic information necessary to describe the mineral deposit AND PROVIDE THE ENGINEERING GEOLOGIC BASIS FOR THE PROPOSED MINING AND RECLAMATION PLANS.

*For rock operations only

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 AREAL EXTENT OF EACH ON GEOLOGIC MAP.

D: CONTINUED

D-7. WHAT IS THE DIRECTION OF GROUNDWATER MOVEMENT IN THE AREA AFFECTED BY THE MINING OR PROCESSING OPERATIONS?

Down

D-8. DESCRIBE THE ENVIRONMENTAL SETTING OF THE MINING SITE. INCLUDE TOPOGRAPHY, VEGETATION, SURFACE WATER MOVEMENT AND STREAMS, FLOODING, EXISTING ADJACENT LAND USES, AVERAGE ANNUAL RAINFALL, AQUATIC AND TERRESTRIAL WILDLIFE AND OTHER FACTORS PERTAINING TO POTENTIAL OR ACTUAL ENVIRONMENTAL IMPACTS AND THEIR MITIGATION.

1. Topography - hilly 20 to 30% maximum slope

2. Vegetation - grasses and forbs

3. Surface - none *SMALL DRAINAGE SWALES ON SE. & N.W.*

4. Flooding - none

5. Land use - grazing

6. Rainfall - 20 inches

7. ~~ENVIRONMENTAL IMPACTS~~ ENVIRONMENTAL IMPACTS - NO
~~NEGATIVE~~ IMPACTS ANTICIPATED

a.m.

(If additional space is necessary,
Attach additional sheets)

F: MINERAL PROCESSING & WASTE DISPOSAL

F-1. ATTACH A DIAGRAMMATIC SKETCH OF THE ENTIRE MINERAL PROCESSING SYSTEM.

Material Bulldozed and skiploaded to trucks. AM

F-2. WILL ANY WASTE MATERIAL RESULT FROM THE PROCESSING OPERATIONS?

YES _____ NO X IF YES, HOW WILL THIS MATERIAL BE DISPOSED OF?

F-3. FOR WET PROCESSING OPERATIONS:

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 of 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

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. If there is (to be) any discharge from the process water system, submit specifications on the basin capacities, minimum retention times, flow rates, analysis of sludge material including settling curves on suspended and total solids in ppm and turbidity in JTU and any other data pertinent to evaluation of the system.

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

Attachment C

G-1. USING THE MINE SITE MAP OR 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 Approval Application. *See aerial*
- b. The perimeter and acreage(s) of areas designated as current or future (specify) for mining, processing, stockpiling, overburden disposal or storage, waste disposal, settling ponds, water storage, and/or any other use relevant to the operation. *see aerial*
- c. The directions in which mining will progress, the anticipated heights of any rock or soil faces or cuts and the anticipated depths of mine excavation and development. *See Reclamation Treatment*
- d. Depiction of separate mining phases, if applicable. These phases should be integrated with concurrent or phased reclamation as described in Supplemental "K".
- e. Any other information relevant to an understanding of Applicant's mining plans.

G-2. DESCRIBE THE DEVELOPMENT OF THE MINING OPERATION, INCLUDING TIMETABLE FOR PHASING AND CONCURRENT RECLAMATION AS DETAILED IN SUPPLEMENTAL "K".

Product mined as needed. Reclamation progresses as minerals removed. As red rock removed, top soil returned to natural grade.

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

G-3. DESCRIBE THE METHOD OF MINING.

Dozer and skip loader

G: CONTINUED

G-4. DESCRIBE METHOD OF SOIL SALVAGE AND STORAGE FOR FUTURE MINE RECLAMATION.

Piled to one side and dozed to grade later.

G-5. DESCRIBE METHOD OF REMOVING, HANDLING AND STORING OVERBURDEN.

Dozed into stockpiles to be spread upon reclamation

G-6. WHAT WILL BE DONE WITH NON-USABLE MINERAL (IMPURE, OVERSIZE, ETC.) ENCOUNTERED DURING MINING?

Used as fill

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

H: STREAMS

H-1. WILL THIS OPERATION INVOLVE THE RELOCATION, BLOCKAGE, AND/OR ALTERATION OF ANY WATERCOURSE OR STREAM?

YES _____ NO X

IF YES, WHAT IS THE AREA OF THE WATERSHED ABOVE THE OPERATION?

H: CONTINUED

H-2. IF YES TO (H-1), HAVE YOU OBTAINED A PERMIT FROM THE CALIFORNIA DEPARTMENT OF FISH AND GAME TO DO THIS?

YES _____ NO _____
IF YES, PERMIT # N/A

H-3. WILL ANY MINING AND/OR THE PLACING OF SPOIL BE WITHIN 100' OF ANY WATER-COURSE OR STREAM?

YES X NO SE

IF YES, WHAT MEASURES WILL BE TAKEN TO PREVENT THIS MATERIAL FROM ENTERING THE STREAM OR WATERCOURSE BY EROSION, SILTATION, OR SLIDING.

NONE - UPSTREAM RESEVOIR RETAINS
MOST OF THE RUNOFF - LOOSE MATERIAL
IN THE QUARRY AREA IS REMOVED. a.m.

H-4. HAVE PROVISIONS BEEN MADE TO PREVENT THE POSSIBLE BREAKTHROUGH OF ANY STREAM INTO THE OPERATION? YES _____ NO X

IF YES WHAT ARE THEY?

I: WATER, EROSION & SEDIMENTATION CONTROL

I-1. SURFACE WATER

A. How will surface water be handled in order to prevent its entrance into the actual mining operation site?

None - material porous

I: CONTINUED

I-2. GROUND WATER

A. What is the highest groundwater elevation in this area? unknown

B. What is the direction of groundwater movement in the affected area?
Down

C. In consolidated material, what are the orientations of the major fractures or joints sets? _____

D. Will groundwater be encountered during the course of mining (including any perched, regional or artesian flow)?
Yes _____ No X. If yes, how will this water be handled?

E. Will the method explained in (D) result in discharge from the operation? Yes _____ No X. If yes, will the water be passed through collection basins for settling and neutralization (if necessary) prior to discharging? Yes _____ No _____. If no, describe in detail methods for handling and monitoring the effluent to ensure the discharge standards of the receiving stream at this point are met.

F. If the discharge in (F) requires treatment, how will this be accomplished? _____

G. If quarry or pit dewatering is proposed, assess the impact it will have on the ground water levels and quality in surrounding areas.

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

I: CONTINUED

B. How will storm water and runoff be handled within and from the affected area to control erosion and sedimentation of adjacent areas?

No runoff.

No runoff. No controls anticipated as necessary.

C. Will the method outlined in (b) result in a discharge from the operation? Yes _____ No X _____. If yes, will the water be passed through collection basins for settling and neutralization (if necessary) prior to discharging? Yes _____ No _____. If no, describe in detail proposed methods for handling and monitoring the effluent to ensure the discharge standards of the receiving stream at this point are met.

No runoff

D. If the discharge(s) in (c) requires treatment, how will this be accomplished?

No runoff

E. If your operation is upstream from a public or private water supply or if the stream is subject to recreational use, what other steps will be taken to protect these uses?

No runoff

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

I: CONTINUED

I-3. DATA TO BE SUBMITTED FOR SETTLING BASINS:

A. Surface Water Erosion Control

1. Maximum surface area to be drained by the basin(s)
_____ acres.
2. Maximum disturbed area to be drained by the basin(s)
_____ acres.
3. Minimum retention time _____ hours.

B. Quarry Dewatering

1. The maximum anticipated discharge is _____ GPM;
_____ MGD.
2. Minimum retention time in the pit sump or settling basin(s)
_____ hours.

C. Will sludge be removed from the settling basins?
Yes _____ No _____. If yes, describe the method and frequency of
sludge removal and disposal. (Locate disposal site(s) on The Mine
Development Plan).

D. If sludge is not to be removed, describe method to be used to cover
settling basins after reaching their design capacity.

E. Existing Discharges _____

Discharge characteristics _____

pH	Alkalinity	Acidity	Iron	Total Solids	Suspended Solids
_____	_____	_____	_____	_____	_____

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

J: PUBLIC & PRIVATE WATER SUPPLY INFORMATION

J-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
	None		

J-2. LIST ALL PRIVATE SOURCES OF WATER SUPPLY ON AND WITHIN 1,000 FEET OF THE AREA OF MINING. KEY AND LOCATE EACH SOURCE ON THE USGS QUADRANGLE OR MINE DEVELOPMENT PLAN MAP.

KEY	NAME	ADDRESS	TYPE OF SUPPLY
	A. Mainini et ux.		Well

K: MINE RECLAMATION PROPOSAL

RECLAMATION PLAN MAP INSTRUCTIONS:

K-1. USING THE MINE SITE MAP OR PHOTOGRAPH AS A BASE, PROVIDE A DETAILED RECLAMATION PLAN MAP AND CROSS SECTIONS TO SHOW THE FOLLOWING:

- a. The areas covered by the plan. *see aerial photo*
- b. Reclamation steps and phasing.
- c. Location of all drainage ditches, ponds, berms, dikes and reclamation treatments.
- d. Indicate the finished grade and profiles after reclamation.
- e. Areas to be revegetated.
- f. All other pertinent reclamation information that is discussed in K-2 and can be shown graphically.

Attachment C

K-2.

RECLAMATION NARRATIVE

- (a) Little, if any, backfilling required. Grading occurs as minerals removed. Soil packed by dozer. **FACE TO BE SLOPED (MAX 1:1)**
- (b) Soil at natural angle of rest. **CONSOLIDATED MATERIAL WILL KEEP ITS ANGLE OF CUT WITH NO STABILIZATION REQUIRED**
- (c) None
- (d) ~~PRE~~ **PRE MINING DRAINAGE WILL BE RESTORED**
- (e) ~~None - no structures or equipment stored off site.~~
ALL RESIDUAL STRUCTURES, EQUIPMENT AND REFUSE WILL BE REMOVED
- (f) None
- (g) None affected
- (h) All residual hazards removed.
- (i) Area naturally revegetates with native plants. Assisted by seeding adapted species. **(5 lbs per acre) 4 M**

K: CONTINUED

RECLAMATION NARRATIVE INSTRUCTIONS:

K-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 (SUPPLEMENTAL "G"). INCLUDE IN THE DISCUSSION THOSE OF THE FOLLOWING TOPICS WHICH ARE APPLICABLE TO THE PARTICULAR MINE BEING RECLAIMED:

- a. Backfilling, grading, and face treatments.
- b. Stabilization of slopes.
- c. Stabilization of permanent waste dumps, tailings, settling ponds, etc.
- d. Rehabilitation of pre-mining drainage.
- e. Removal, disposal, or utilization of residual equipment, structures, refuse, etc.
- f. Control of contaminants, (if applicable) especially with regard to surface runoff and groundwater.
- g. Treatment of streambeds and streambanks to control erosion and sedimentation.
- h. Removal or minimization of residual hazards.
- i. 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.
- j. All other aspects of the proposed reclamation plan.

K-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.

K-4. PREPARE A DETAILED COST ESTIMATE, IN TODAY'S DOLLARS, FOR EACH PHASE OF THE PROPOSED RECLAMATION PLAN. COSTS SHOULD BE EXPRESSED AS TOTALS AND AS DOLLARS PER ACRE.

Total \$500.00, \$500.00 per acre.

K: CONTINUED

K-5. DESCRIBE THE ULTIMATE PHYSICAL CONDITIONS OF THE SITE AND SPECIFY PROPOSED USE(S) AND POTENTIAL USE(S) OF THE MINED LANDS AS RECLAIMED.

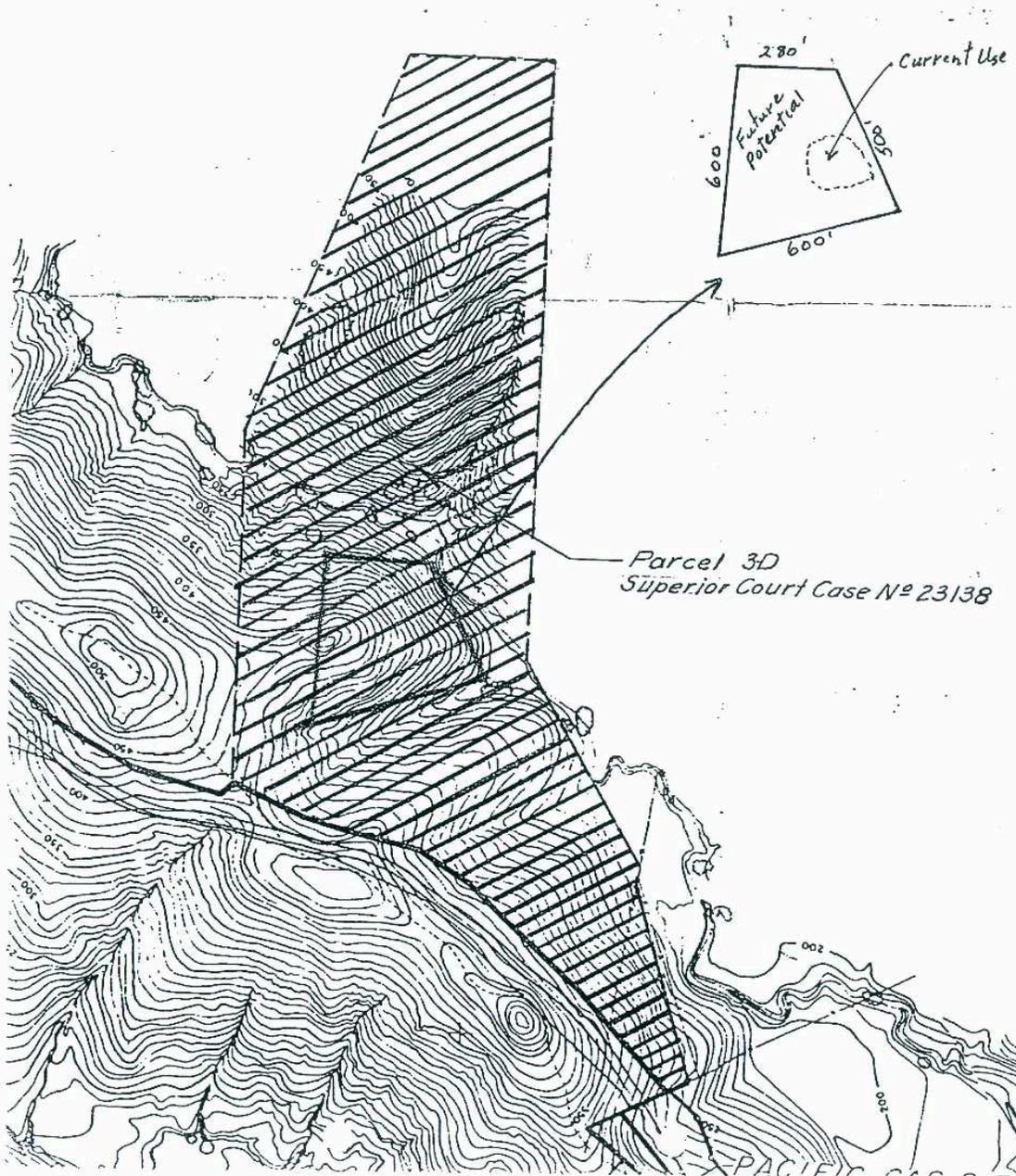
Rehabilitated for grazing

K-6. DESCRIBE HOW RECLAMATION OF THIS SITE, IN THIS MANNER, MAY AFFECT FUTURE MINING AT THIS SITE AND IN THE SURROUNDING AREA.

No effect - limited surface deposit that when exhausted, land returns to grazing.

(If additional space is necessary attach additional sheets.)

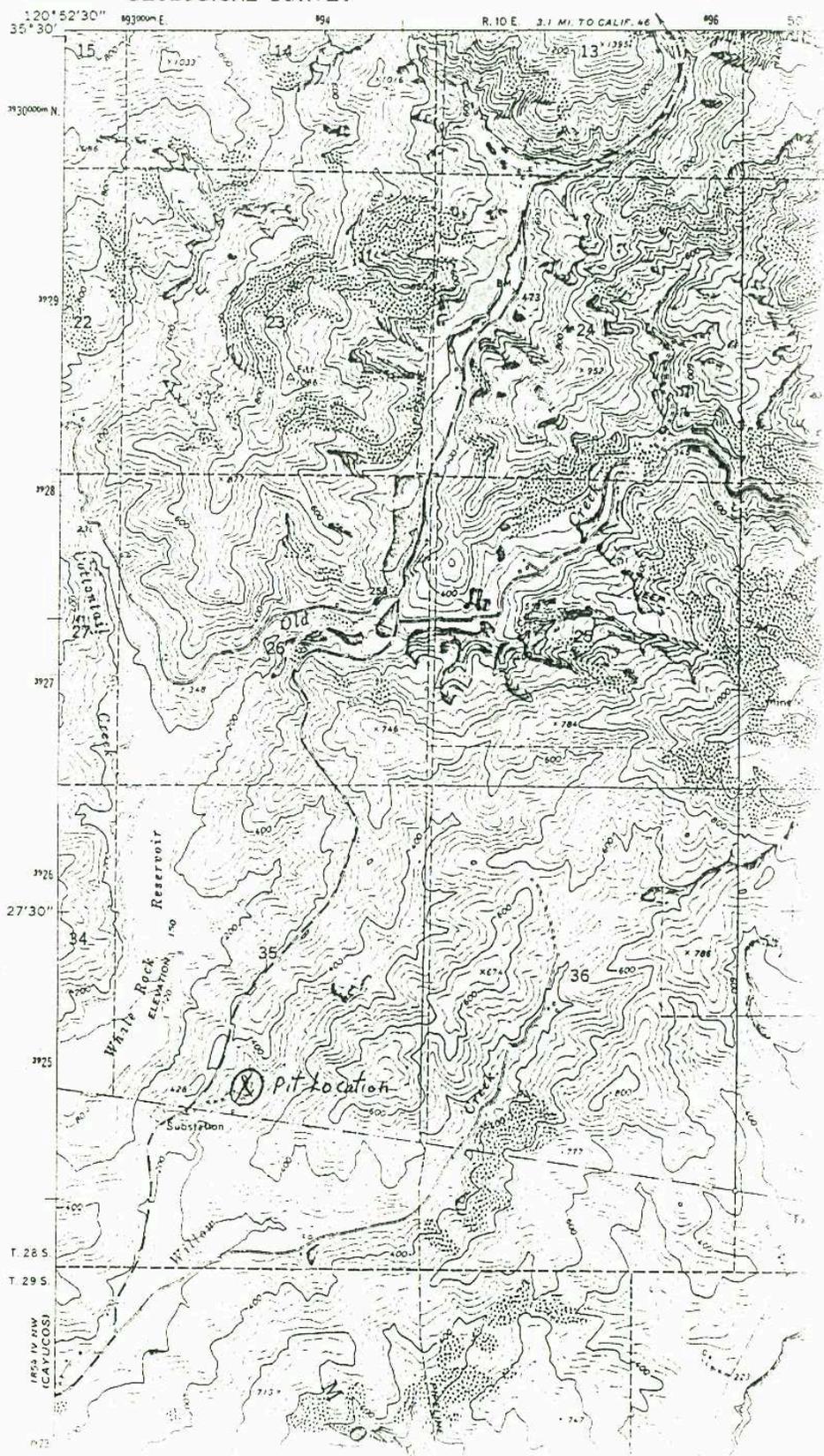
NOTE: Instructions for completing this form are contained in the County Planning Department publication, Reclamation Plan Guidelines. Assistance in completing the form will be provided upon request by the Planning Department staff.



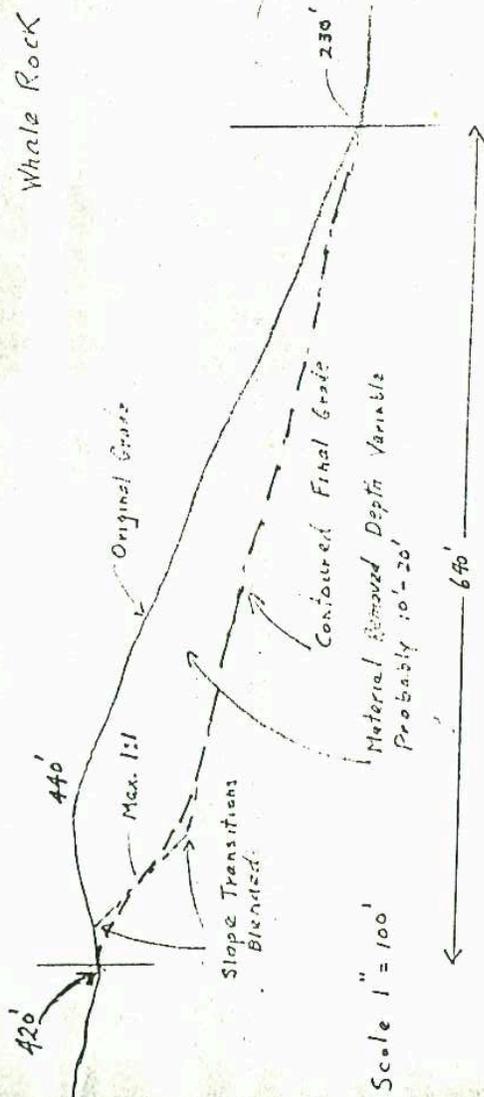
1350 (1/4) SW
(CYPRESS MOUNTAIN)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

For Morro Bay North Quadrangle

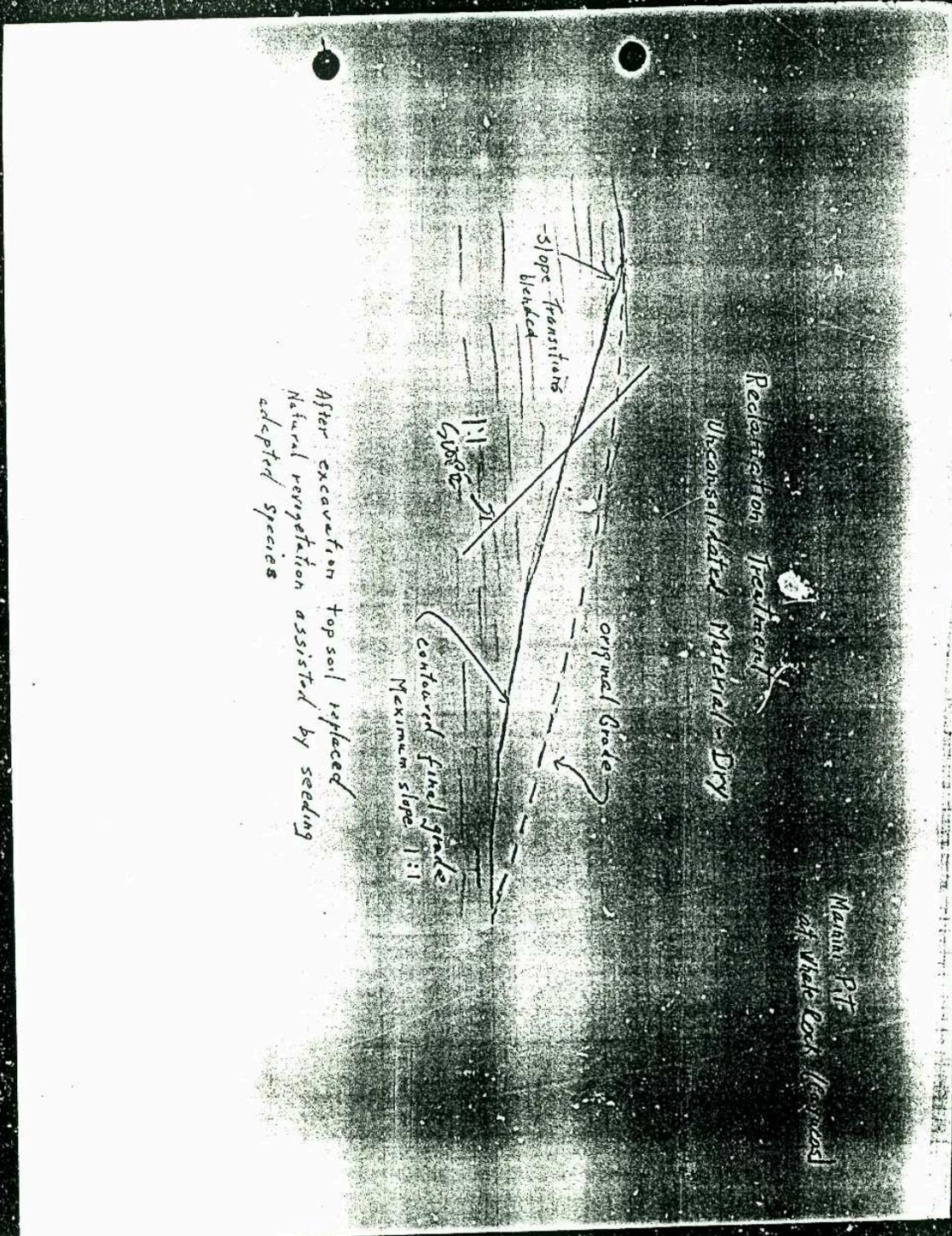


MAININI PIT at
Whale Rock



After Excavation Topsoil Replaced.
Natural Revegetation assisted by Seeding
Adapted Species.

Reclamation Treatment - Unconsolidated Material - Dry



Maximum Pit
at White Rock (Cayman)

Typical Soil Profile

Degraded Red Rock clay/loam 6" to 12" depth

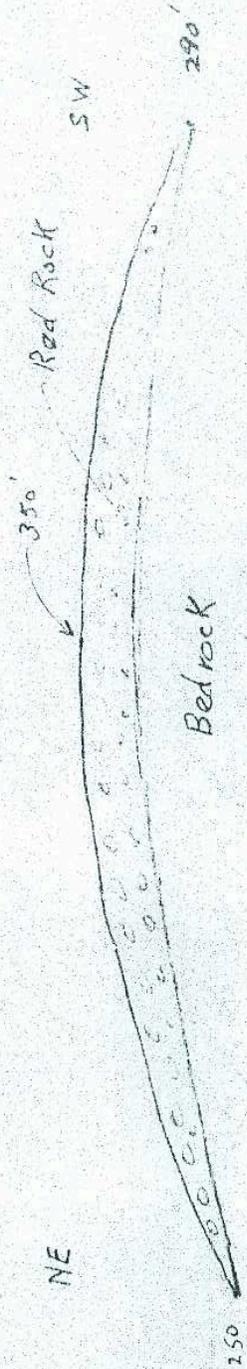
Red Rock 2' to 20' depth - variable

Bedrock



MAININI PIT
Whole Rock

Schematic Cross Section NE-SW Line
1" = 100'



Schematic Cross Section NW-SE Line

