

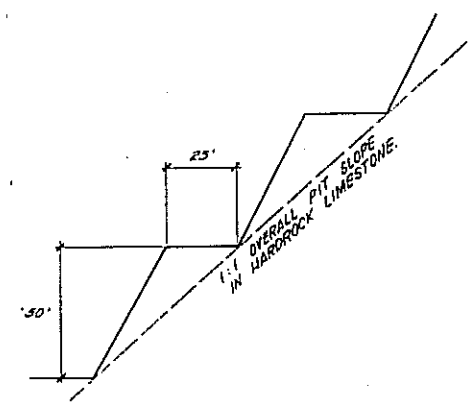
VICINITY MAP

- NOTES**
1. TOPOGRAPHY MAPS SUPPLIED BY KAISER CEMENT CORPORATION.
 2. DATUM: ALL ELEVATIONS ARE BASED ON USC & GS DATUM.
 3. FINISHED CONTOURS FOR PIT 29 AND ROCK STORAGE AREA ARE BASED ON DRAWINGS BY KAISER CEMENT CORPORATION.

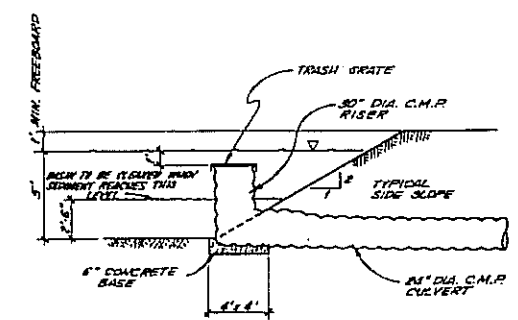
- ABBREVIATIONS**
- P.L. PROPERTY LINE
 - C.M.P. CORRUGATED METAL PIPE
 - DIA. DIAMETER
 - MIN. MINIMUM

REVISIONS
 MARK DATE BY DESCRIPTION
 RECLAMATION PLAN
 PERMANENTE QUARRY
 SANTA CLARA COUNTY, CALIFORNIA
 KAISER CEMENT CORPORATION

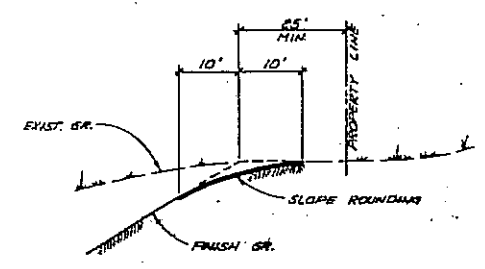
COUNTY OF SANTA CLARA
 PLANNING COMMISSION
 APPROVED
 AUG 20 1984
 REG. NO. 28894
 ENGINEER: Ruth and Goings
 ARCHITECTURE AND ENGINEERING
 1000 BROADWAY, SUITE 1000, SAN JOSE, CALIFORNIA 95110
 DRAWN BY: [Signature]
 SCALE: 1" = 200'
 SHEET NO. 1 OF 7



PIT WALL SECTION
N.T.S.



BASIN AND OUTLET SECTION
N.T.S.

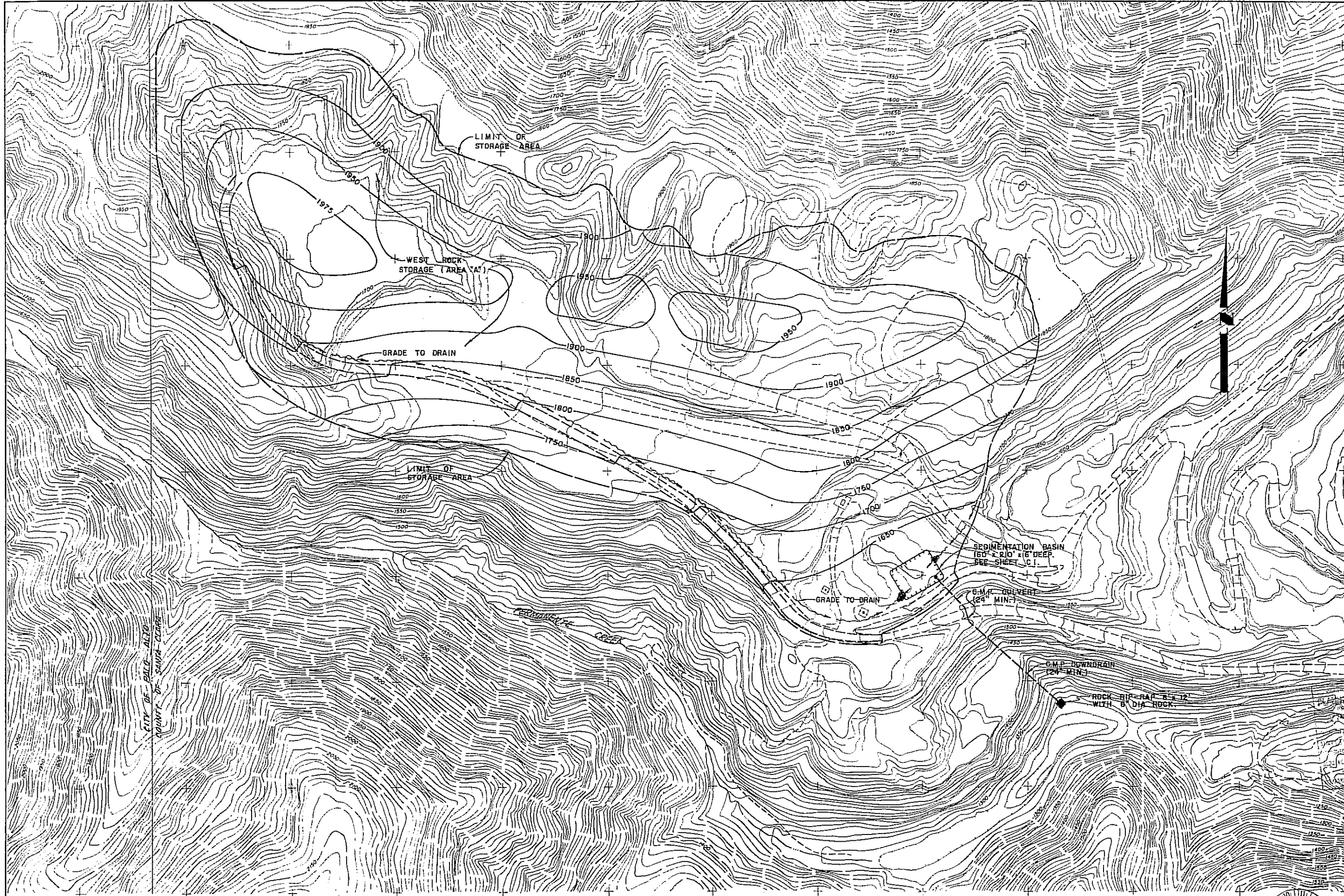


TYPICAL SLOPE ROUNDING FOR
TOP OF SLOPE

INDEX

SHEET	DESCRIPTION
C1	COVER SHEET
C2	RECLAMATION PLAN
C3	RECLAMATION PLAN
L1	REVEGETATION PLAN
L2	REVEGETATION PLAN
L3	REVEGETATION PLAN
L4	REVEGETATION NOTES

DATE AUG 13, 1984
 SHEET 1
C1
 OF 7 SHEETS
 JOB NO. 8987-040



CITY OF PALO ALTO
COUNTY OF SANTA CLARA



REVISIONS	
DATE	DESCRIPTION

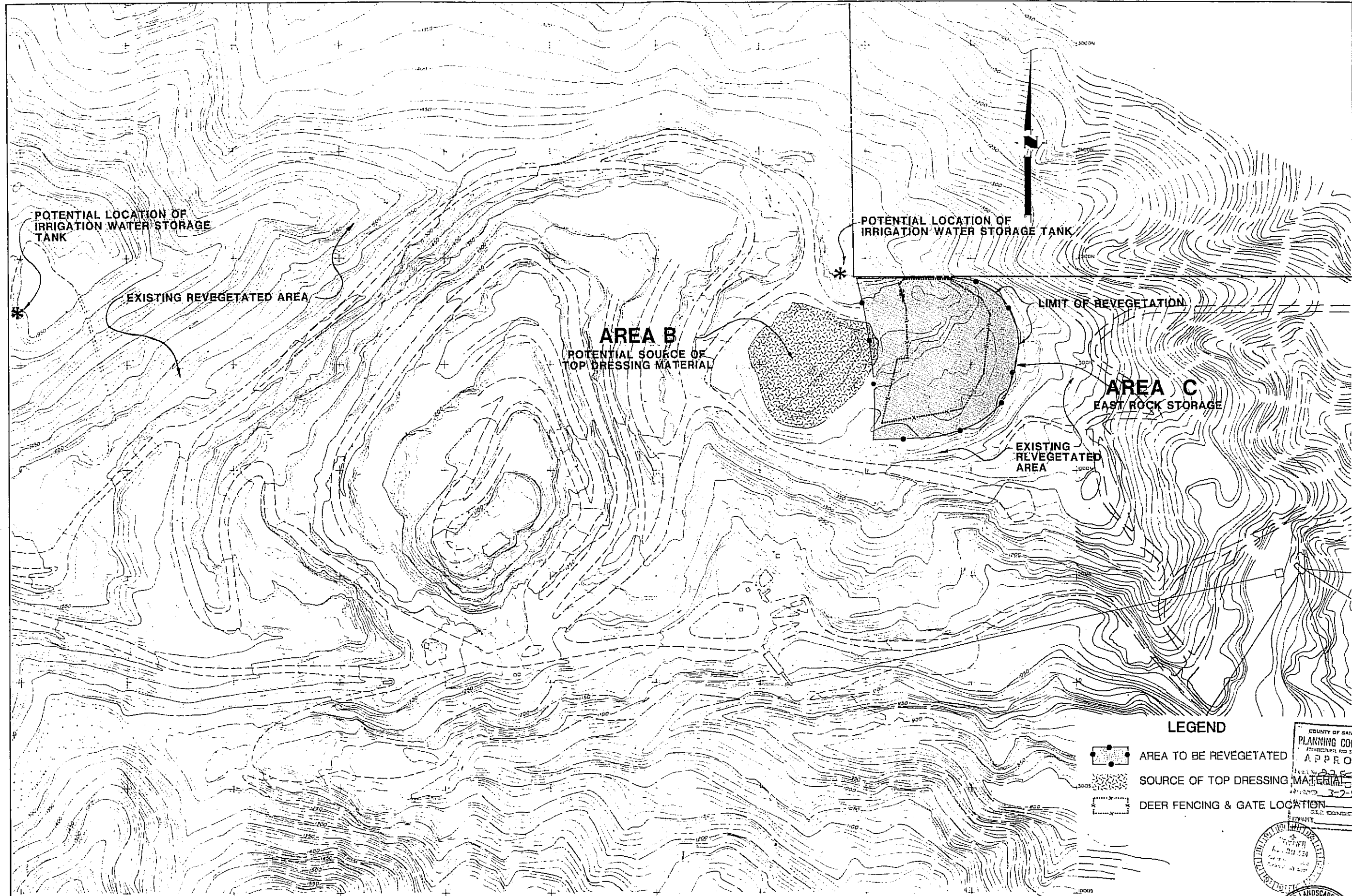
RECLAMATION PLAN
PERMANENTE QUARRY
 KAISER CEMENT CORPORATION
 SANTA CLARA COUNTY, CALIFORNIA

RIG Ruth Barringer Inc.
 1100 SAN JOSE AVENUE
 SAN JOSE, CALIFORNIA 95128
 (408) 297-8273
 REG. NO. 228894

DESIGNER: J. L. L. (Signature)
 CHECKED: J. L. L. (Signature)
 DATE: AUG. 13, 1984



DATE: AUG. 13, 1984
 SHEET # **C2**
 OF 7 SHEETS
 JOB NO. 16302-040



POTENTIAL LOCATION OF IRRIGATION WATER STORAGE TANK

POTENTIAL LOCATION OF IRRIGATION WATER STORAGE TANK

EXISTING REVEGETATED AREA




AREA B
POTENTIAL SOURCE OF TOP DRESSING MATERIAL

LIMIT OF REVEGETATION

AREA C
EAST ROCK STORAGE

EXISTING REVEGETATED AREA

LEGEND

-  AREA TO BE REVEGETATED
-  SOURCE OF TOP DRESSING MATERIAL
-  DEER FENCING & GATE LOCATION

COUNTY OF SANTA CLARA
PLANNING COMMISSION
APPROVED
DATE: 11/15/74
BY: [Signature]

REGISTERED LANDSCAPE ARCHITECT
JAMES W. SIMPSON, No. 200
DATE: 11/15/74
SIGNATURE: [Signature]
STATE OF CALIFORNIA

REVISIONS	
MARK	DESCRIPTION

REVEGETATION PLAN

PERMANENTE QUARRY

KAISER CEMENT CORPORATION

SANTA CLARA COUNTY, CALIFORNIA

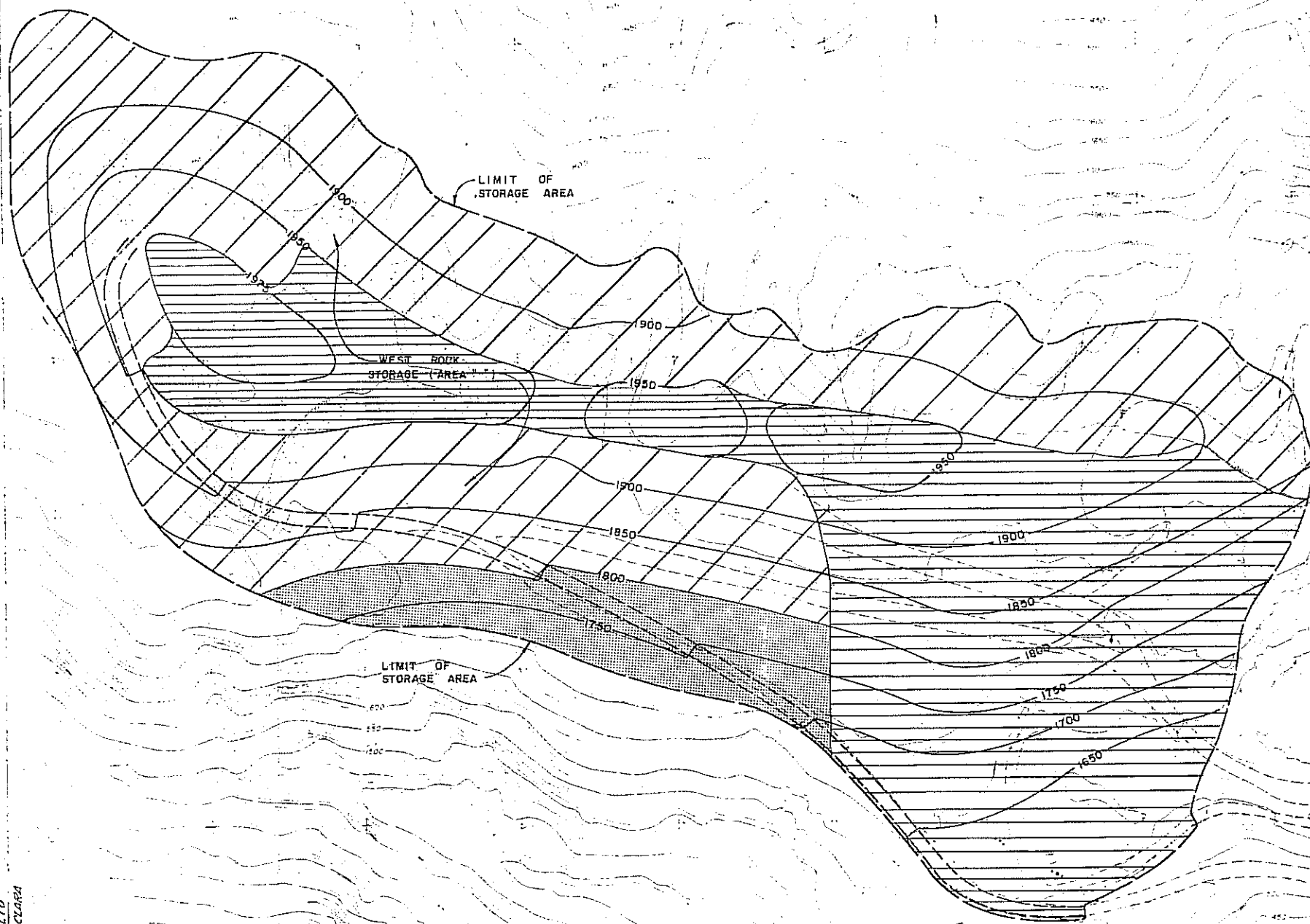
Engineering, Inc.
planning
1400 287-8873

REG. NO. 29894
SCALE 1"=200'
DRAWN BY: [Signature]
DESIGN BY: [Signature]
CHK'D BY: [Signature]

DATE: 11/15/74
SHEET

L1
OF SHEETS
JOB NO. 16803-040




CITY OF PALO ALTO
COUNTY OF SANTA CLARA

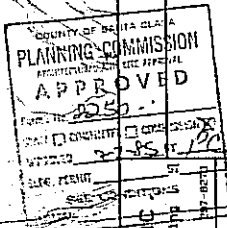


AREA A

ENTIRE ROCK STORAGE AREA WILL BE HYDROSEEDED AND MULCHED FOR QUICK COVER & EROSION CONTROL AS PHASING ALLOWS. NO WOODY PLANT MATERIALS ARE TO BE INTRODUCED. SOME NATURALIZATION OF WOODY PLANT MATERIALS WILL OCCUR NATURALLY. SEE SHEET L-4 FOR SPECIFIC ELEMENTS OF REVEGETATING AREA A.

PHASING

-  PHASE 1 10 years
-  PHASE 2 10 years
-  PHASE 3 5 years



R+G Ruth and Going, Inc.
architecture engineering planning
SAN JOSE CALIFORNIA 95128
DRAWN: JEP
SCALE: 1"=100'
DESIGN: JEP, MS
CH'NO: JEP

DATE: AUG 13 1984
SHEET: **L2**
OF 7 SHEETS
JOB NO. 18803 - 040

REVEGETATION PLAN

PERMANENTE QUARRY

KAISER CEMENT CORPORATION
SANTA CLARA COUNTY, CALIFORNIA

REVISIONS	MARK	DATE	BY	DESCRIPTION

PROPERTY LINE

PROPOSED PIT LIMIT

AREA B

POTENTIAL SOURCE OF TOP DRESSING MATERIAL

AREA C

EAST ROCK STORAGE

LIMIT OF REVEGETATION

EXISTING REVEGETATED AREA

LEGEND

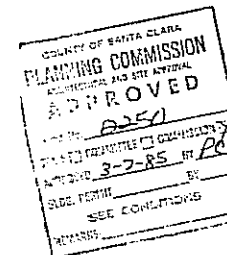
- AREA TO BE REVEGETATED
 - SOURCE OF TOP DRESSING MATERIAL
 - DEER FENCING
- PLANT LEGEND**
- COMMON BUCK BRUSH 210
 - COYOTE BRUSH 180
 - GOLD CUP OAK 210
 - LEATHER OAK 210
 - COYOTE BRUSH WILD BUCKWHEAT 400
 - HYDROSEED MIX
- TOTAL 1210

NOTE:

EACH PLANT GROUPING WITHIN FENCED AREA CONTAINS 40 SEEDLINGS.

EACH PLANT GROUPING OUTSIDE FENCED AREA CONTAINS 25 SEEDLINGS FOUR HAVE 50.

FIRST AREA TO BE REVEGETATED SHALL BE CONTOUR 1400 TO 1420. OTHER AREAS SHALL BE PLANTED AS FILL OPERATIONS ARE COMPLETED.



<p>REVEGETATION PLAN</p> <p>PERMANENTE QUARRY</p> <p style="font-size: small;">KAIJSER CEMENT CORPORATION</p>	<p>SANTA CLARA COUNTY, CALIFORNIA</p>
<p>RIG Ruth and Going, Inc.</p> <p style="font-size: x-small;">architecture engineering planning</p> <p style="font-size: x-small;">SAN JOSE CALIFORNIA 95128 (408) 297-8273</p>	<p>DATE APR 13 1984</p> <p>SHEET</p> <p style="font-size: 2em; font-weight: bold;">L3</p> <p>OF SHEETS</p>

PLANT LIST

The proposed revegetation plan incorporates elements to help establish successful growth of native and naturalized plant materials on the cut and filled slopes. The intent is to minimize the erosion potential and maximize the aesthetic appearance once significant amounts of plant materials have reached mature sizes. By incorporating plant materials indigenous to the site or those which should survive the existing soil conditions a higher rate of success is anticipated. In addition to the soil quality other factors such as water supply, nutrient supply and protection from deer browsing are addressed.

Each area to be revegetated possesses unique qualities which require specific recommendations. The recommendations follow these general comments regarding the plant pallet, water and nutrient supply and protection from deer browsing.

Each area to be revegetated shall be planted with herbaceous perennials and woody plant materials to provide both short and long term plant establishment. This can be broken down into three groups of plant materials which may be used on-site:

1. Permanent woody plant species which will eventually provide the dominant vegetative forms. These species may take 8-10 years to fill significant amounts of area. These materials should be planted from containers, preferably leach-tube grown seedlings. These seedlings would have approximately 1 years growth at the time of installation. Plants with an asterisk * are not native, however no invasive exotic plants materials are listed.

Trees:

- Pinus muricata* Bishop Pine
- Populus fremontii 'Nevada*' Male Fremont Cottonwood
- Quercus agrifolia Coast Live Oak
- Quercus chrysolepis Gold Cup Oak
- Quercus dumosa Scrub Oak
- Quercus durata Leather Oak
- Quercus kelloggii Black Oak

Shrubs:

- Acacia redolens* Prostrate Acacia (Non-reseeding)
- Arctostaphylos crataegina Brittle-leaf Manzanita
- Ceanothus cuneatus dubius Common Buck Brush
- Ceanothus sordidatus Jim Bush
- Fremontodendron California Glory
- Hybrid Flame Bush California Sunset or San Gabriel
- Pickeringia montana Chaparral Pea

In addition to these plants Adenostoma fasciculatum, Chamise and Toxicodendron diversifolia, Poison Oak would be included in this category and are found naturalizing on the site.

2. Woody plants which will produce significant growth in approximately 5 years and can compete with other species to remain as permanent members of the plant community. These materials are the most deer browse resistant found on the site:

Shrubs:

- Baccharis pilularis consanguinea Coyote Brush
- Eriogonum fasciculatum Wild Buckwheat

3. Plant species which may be hydroseeded over large areas to provide cover during the first year and help prevent erosion. In addition, most species will self sow and reseed as long as they are able to compete with woody plants:

- Achillea millefolium californicum Milfoil
- Briza minor* Little Quaking Grass
- Briza maxima* Rattlesnake Grass
- Bromus mollis* Soft Chess

- Clarkia concinna Red Ribbons
- Clarkia unguiculata Elegant Clarkie
- Diplacus aurantiacus Sticky Monkeyflower
- Eriodictyon californicum Yerba Santa
- Linanthus grandiflorus California Phlox
- Lotus scoparius Deerweed
- Lupinus albusifrons collinus Hilly Bush Lupine
- Lupinus bicolor
- Lindley's Annual Lupine
- Lupinus hirsutissimus
- Nettle Annual Lupine
- Lupinus succulentes Succulent Annual Lupine
- Oenothera argillicola Shale Evening Primrose
- Oenothera hookeri hookeri Hookers Evening Primrose
- Oenothera pallida White Evening Primrose
- Rudbeckia hirta Black Eyed Susan
- Stylomecon heterophylla Wind Poppy
- Zauschneria californica California Fuchsia

The following native species which are found in the surrounding plant communities or on-site are not used for the stated reasons:

Adenostoma fasciculatum, Chamise is difficult to produce from seed and cuttings. Once a vegetative cover is established this species will appear naturally.

Aesculus californica-Buckeye, Heteromeles arbutifolia-Toyon, Rhamnus californica-Cascara Berry, Toxicodendron diversifolia-Poison Oak. These species do not naturally appear on open slopes without some woody plant cover. Once the oaks develop sufficient canopies they may be introduced. They could be introduced on-site once the seedlings planted reach mature size and they will probably establish themselves naturally once conditions for survival are appropriate.

The preceding list of plant materials is a master list. It is not intended that every species or variety listed will be used on-site. It acts as the approved plant list from which selections will be made for the specific recommendations. When a species specifically called out is not available the master plant list shall be consulted to provide a suitable substitution.

IRRIGATION

The site has undergone revegetation programs in the past. One provision of this program has been the installation of an extensive irrigation supply and watering system. This existing system is proposed to be repaired and extended to cover the areas shown to be revegetated with seedlings on these plans. To further insure adequate supply and efficiency two water storage tanks may be located as shown on the plans. These would be used to create proper pressure without the constant operation of pumping equipment. The irrigation delivery will utilize drip or other appropriate low gallonage application. Planting is proposed to take place in the early fall of each year undertaken. These plant materials and seeds will receive the full winter rains and should not need any supplemental irrigation. Once spring rains have stopped, the on-site irrigation will be operated on a monthly basis. Given the extremes of the site's soils and exposure this supplemental water is anticipated to continue for at least 5 years.

DEER PROTECTION

Deer protection may be provided by physical barriers such as fencing or by the use of commercially available chemical repellents.

Given the low effectiveness of the repellents and scale of the subject site repellents are not considered an effective means of protecting the revegetated areas. A system of fencing and screening is proposed to provide the best possible protection for both individual plants/seedlings and for large enclosed areas.

The type of fencing proposed utilizes a 6' wire fencing. This type will provide protection and is easier to install on the terrain found on-site. Gates will be provided to allow maintenance of the planted areas and irrigation system.

In areas where it is not feasible to fence or for plant materials given a higher priority for survival individual protective screening is proposed. This screening would consist of fine mesh fiberglass shade cloth or aluminized window screen staked around the plant or groups of plants. This screening while protecting against deer browsing also acts to protect against small rodent browsing. This screening would be provided for approximately 1/3 of the tree seedlings within the enclosed fence area to further insure the survival of the major woody materials. Both the fencing and screening are shown in more detail on the revegetation plans.

NUTRITION

Existing mature plant materials which have been used in previous revegetation programs on-site show signs of stress due to lack of nutrients. The site is very poor in nutrient value, however the existing plant materials have survived. To increase the survival of the proposed revegetated plants and for the healthy growth of existing materials the following fertilization schedule and application is proposed.

1. New seedlings or specially planted seed areas shall receive (2) slow release planting tablets installed within the root zone. Agriform 9 gram 22-8-2 Forest Starter or equal.
2. All existing mature plant materials and newly planted seedlings shall be fertilized with a water soluble solution. Southern California Organic Fertilizer 500 lbs./Ac. 12-3-3 GRO Power or equal.
3. All hand broadcast or hydroseeded areas shall be fertilized with a water soluble solution. Southern California Organic Fertilizer 300 lbs./Ac. 12-3-3 GRO Power and 300 lbs./Ac. 12-3-3 controlled release GRO Power or equal.

AREA C

This area encompasses one of the most visible of the sites many areas. Fortunately, the soil materials found in this area are suitable for planting with little reworking. The following tasks and elements are proposed to establish a heavy vegetative coverage of this area:

1. Placement of approximately 4 inches of top dressing from AREA B on slopes and plateaus.
2. Fenced enclosure of approximately 400 feet x 530 feet to provide protection for planted materials from browsing deer.
3. Plantings of the following materials at the quantities shown in random groupings within the enclosures.

	Grouping	Total
a. Baccharis pilularis consanguinea Coyote Brush	40	180
b. Ceanothus cuneatus dubius Common Buck Brush	40	210
c. Quercus chrysolepis Gold Cup Oak	40	210
d. Quercus dumosa Leather Oak	40	210

4. Plantings of the following materials inside and outside the enclosure in random groupings spaced approximately 6 feet apart.

	Grouping	Total
a. Baccharis pilularis consanguinea Coyote Brush	25/30	200
b. Eriogonum fasciculatum Wild Buckwheat	25/30	200

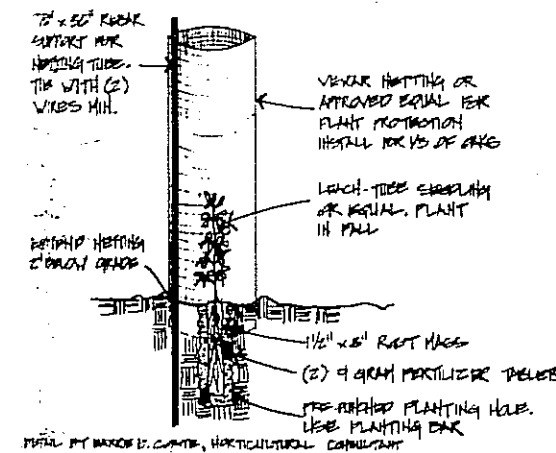
5. Seeding of the entire slope area with the following seed mix:
- | | |
|-----------------------------------|------------|
| a. Briza maxima Rattlesnake Grass | 3 lbs./Ac. |
| b. Clarkia concinna Red Ribbons | 1 lb./Ac. |
| c. Lotus scoparius Deerweed | 1 lb./Ac. |
| d. Oenothera argillicola | 1 lb./Ac. |

AREA A

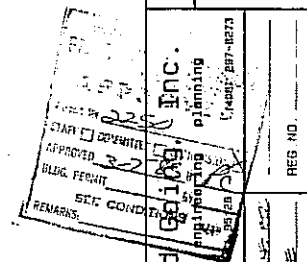
This area is located to the west from the previously discussed area. It is primarily used for storage of surplus rock materials. The revegetation proposed for this area is to establish quick cover and erosion control. Seeding will be phased so each portion is revegetated as it becomes possible. No permanent woody plants will be planted however naturalization by existing on-site plant materials will take place. Those plant materials to be used in the seed mix are:

- a. Briza Minor Little Quaking Grass 2 lbs./Ac.
- b. Bromus mollis Soft Chess 10 lbs./Ac.
- c. Clarkia unguiculata Elegant Clarkie 1 lb./Ac.
- d. Lupinus bicolor 8 lbs./Ac.
- e. Lindley's Annual Lupine 1 lb./Ac.
- f. Oenothera argillicola Shale Evening Primrose 1 lb./Ac.
- g. Rudbeckia hirta Black Eyed Susan 1 lb./Ac.
- h. Stylomecon heterophylla Wind Poppy 6 lbs./Ac.

All seed mixes shall be applied with 2000 lbs./Ac. of wood cellulose fiber mulch and Terra Tack III stabilizer when hydroseeded. When hand seeded, mix seed and fertilizer with sand to facilitate even dispersment.



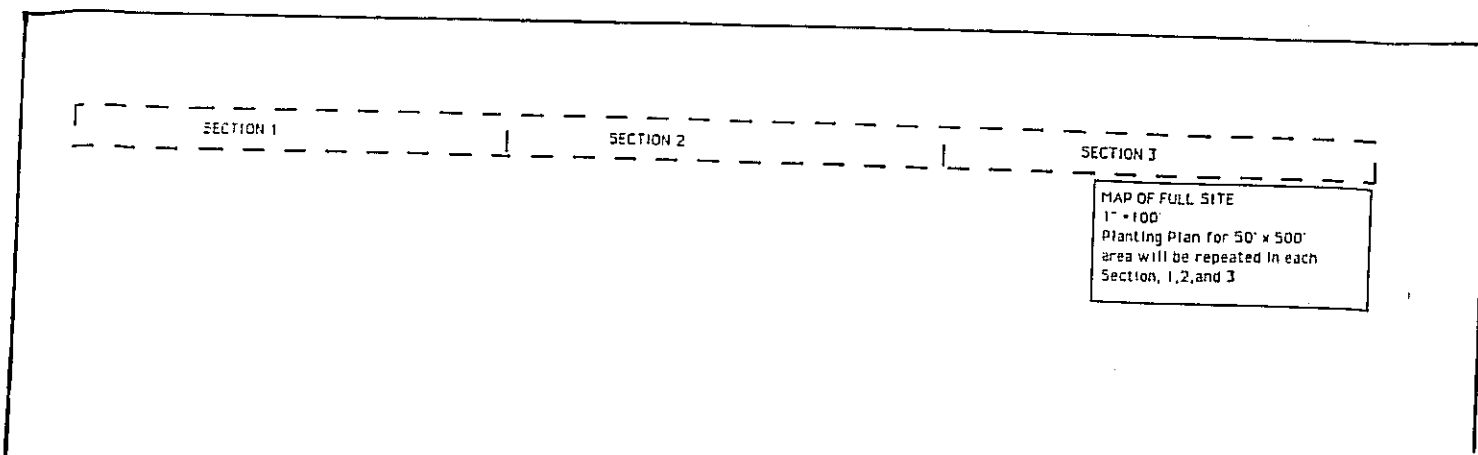
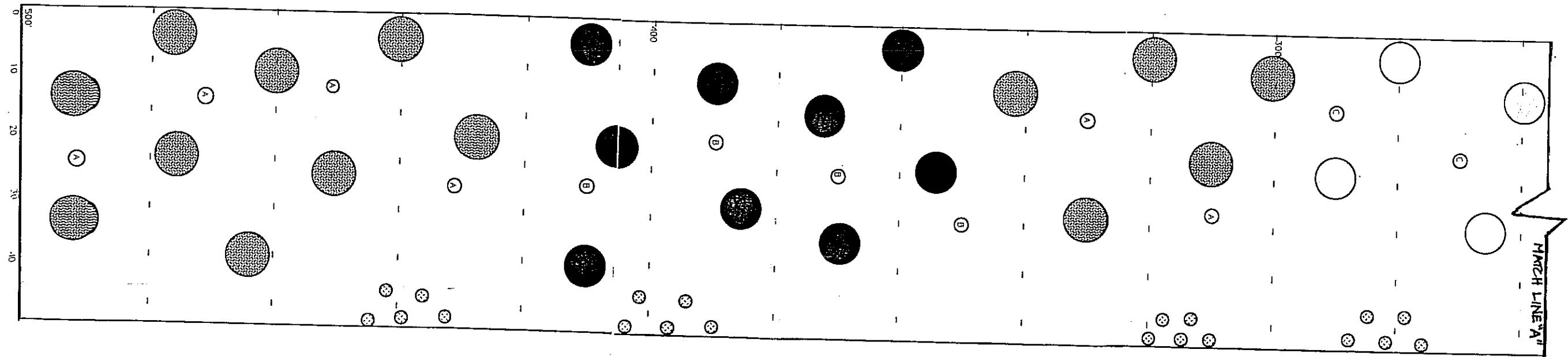
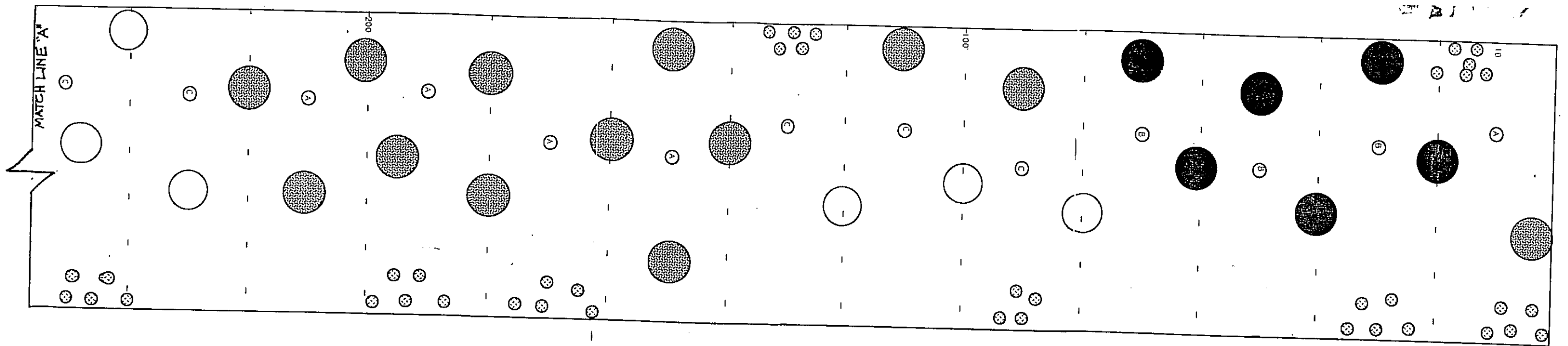
SEEDLING PLANTING DETAIL HPS



REVEGETATION PLAN
PERMANENTE QUARRY
 SANTA CLARA COUNTY, CALIFORNIA
 KAISER CEMENT CORPORATION




REVISIONS
 MARK DATE BY


REG. NO. 14000-387-0073
 REG. NO. 14000-387-0073
 DATE 3/27/04
 SHEET L4 OF 7 SHEETS
 JOB NO. 16303-0302



SECTION ONE, 50' x 500'

- (A)** means that the following plants will be installed in that 20' x 50' area, on 5' centers, no closer than 10' from the 3 large tree species listed below:
 15 *Ceanothus thyrsiflora* 'Snow Flurry' (each tube or 1 gal.)
 15 *Baccharis pilularis consanguineum* (dug on site)
 15 *Arctostaphylos bakeri* 'Louis Edmonds' (1 gallon)
- (B)** means that the following plants will be installed in that 20' x 50' area, on 5' centers, no closer than 10' from the 3 large tree species listed below:
 15 *Arctostaphylos crustacea* (1 gallon)
 15 *Baccharis pilularis consanguineum* (dug on site)
 15 *Ceanothus thyrsiflora* 'Snow Flurry' (L.T. or 1 gal.)
- (C)** means that the following plants will be installed in that 20' x 50' area, on 5' centers, no closer than 10' from the 3 large tree species listed below:
 15 *Arctostaphylos bakeri* 'Louis Edmonds' (1 gal.)
 15 *Baccharis pilularis consanguineum* (dug on site)
 15 *Cercis occidentalis* (L.T. or 1 gal.)

-  *Quercus agrifolia* (L.T. or 1 gal.)
Coast Live Oak
-  *Pinus coulteri* (1 gal.)
Coulter Pine
-  *Acer macrophyllum* (Leach tube)
Big Leaf Maple

 HARRIS D. COATE 21535 Summit Road Los Gatos, CA 95030 (408) 353-1052 HORTICULTURAL CONSULTANT CONSULTING ARBORIST	PAGE NO. _____ OF _____
	REVEGETATION PLAN FOR KAISER PERMANENTE REVEGETATION SITE
	DATE: 12/3/77
	SCALE: 1" = 20' TW

PLANT LIST FOR KAISER PERMANENTE REVEGETATION SITE

270	<i>Ceanothus thyrsiflora</i> 'Snow Flurry'	Snow Flurry Cean	Tubes/1 gal.
375	<i>Baccharis pilularis consanguineum</i>	Covate Brush	dug on site
270	<i>Arctostaphylos bakeri</i> 'Louis Edmonds'	Lou Ed Manzanita	1 gal.
105	<i>Arctostaphylos crustacea</i>	Brittle Leaf Manzan	1 gal.
	(substitute <i>Fremontodendron</i> 'California Glory' if unavailable)		
105	<i>Cercis occidentalis</i>	Western Redbud	Tubes/1 gal.
27	<i>Quercus agrifolia</i>	Coast Live Oak	Tubes/1 gal.
15	<i>Pinus coulteri</i>	Coulter pine	1 gal.
10	<i>Acer macrophyllum</i>	Big Leaf Maple	Tubes

(grown from seed harvested on site)

RECEIVED
 JAN 12 1978
 COUNTY OF SANTA CLARA
 PLANNING DEPARTMENT