

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

ORDER NO. 01-131

WASTE DISCHARGE REQUIREMENTS
For
UNITED ROCK PRODUCTS CORPORATION
(Pit No. 3 Inert Landfill)
File No. 72-124

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board), finds:

1. United Rock Products Corporation (URP, hereafter "discharger") owns and operates the URP Pit No. 3 (formerly Livingston-Graham Duarte Plant or Livingston-Graham Irwindale Site), a sand and gravel mining pit located in the SE¼ of Section 36, T1N, R11W, S.B.B.&M., at 1137 Meridian Street, Irwindale, California. The center of the site is located at approximately 34°07'25"N and 117°58'52"W (Figure 1).
2. URP Pit No. 3 consists of approximately 110 acres and currently has a maximum depth of about 220 feet below ground surface. Ground surface elevation varies from 406 feet above mean sea level (amsl) at the west edge of the pit to 431 feet amsl at the east edge of the pit. The City of Irwindale has approved a conditional use permit (92-CUP) that permits URP to mine the pit to a maximum depth of 275 feet below ground surface. The City has also approved a Reclamation Plan that states that the site will be backfilled, if required by law, to a minimum elevation of 334 feet amsl (Figure 2).
3. URP also operates two similar aggregate mining pits (URP Pit No. 1 and URP Pit No. 2) and a rock plant at the vicinity of Pit No. 3 (Figure 3). The rock plant has been utilized to process and stockpile materials extracted from the three pits. Non-saleable processed materials from the rock plant (native geological materials) have been backfilled to the three pits, including Pit No. 3.
4. This Regional Board adopted Order No. 73-32 on April 12, 1973, which contains Waste Discharge Requirements for Livingston-Graham, Inc., to discharge inert solid wastes at the site. The operation and ownership of the site were transferred to URP in 1988 and the site has been referred as URP Pit No. 3 since then. As the current owner and operator of the facility, URP is responsible for complying with the requirements of the WDRs.
5. No inert solid waste has been discharged at the site since at least 1988, except for native geological materials that are generated by mining activities at the site. URP plans to start backfilling the pit using inert solid waste from offsite within the next ten years.
6. Section 20230(a) of California Code of Regulations (CCR), title 27, defines that "*Inert waste is that subset of solid waste that does not contain hazardous waste or soluble*

September 19, 2001

pollutants at concentrations in excess of applicable water quality objectives, and does not contain significant quantities of decomposable waste."

7. Section 20230(c) of CCR, title 27, provides that the Regional Board can prescribe individual or general WDRs for discharges of inert wastes.
8. The California Water Code (CWC), section 13263, provides that all requirements shall be reviewed periodically and, upon such review, may be revised by the Regional Board.
9. The discharger has filed a Report of Waste Discharge in accordance with the California Water Code for updated waste discharge requirements for the disposal of inert wastes.
10. URP Pit No. 3 is about half a mile from the Santa Fe Dam and within one mile of the San Gabriel River. The area behind the dam and the unlined river channel are used for groundwater spreading/recharge.
11. URP Pit No. 3 overlies a major drinking water aquifer in the Main San Gabriel Basin in the Los Angeles-San Gabriel Hydrologic Area. Aquifers within the basin are comprised primarily of coarse sand and gravel. The historical high water level at the site is 324 feet amsl. Recent groundwater level at the site varies between 250 to 290 feet amsl, depending on the season of the year and the nearby groundwater spreading activities. The direction of groundwater flow at the site is generally to the southwest and south and groundwater flow velocities have been measured at 6.82 to 7.20 feet/day at the vicinity of the site.
12. The majority of the pit bottom is occupied by groundwater that has been exposed by aggregate mining operations.
13. The Regional Board adopted a revised Water Quality Control Plan for the Los Angeles Region on June 13, 1994. The Plan contains beneficial uses and water quality objectives for groundwater in the Main San Gabriel Basin. Beneficial uses of the groundwater in the Main San Gabriel Basin include municipal, agricultural, and industrial services and process supply. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
14. The revision of these waste discharge requirements is exempt from the provisions of the California Environmental Quality Act (Public Resource Code 21100 et seq.) as an existing facility pursuant to title 14, California Code of Regulations, Chapter 3, section 15301.

The Regional Board has notified the discharger and interested agencies and persons of its intent to adopt waste discharge requirements for this discharge, and has provided them with an opportunity to submit their written views and recommendations.

The Regional Board, in a public meeting, heard and considered all comments pertaining to the discharge and to the tentative requirements.

IT IS HEREBY ORDERED, that United Rock Products Corporation (the discharger) shall comply with the following:

A. Discharge Specifications

1. Wastes disposed of at this site shall be limited to inert wastes only such as, but not limited to:
 - a. Inert mining wastes, including native geological materials generated by URP's aggregate mining activities at or in the vicinity of Pit No. 3
 - b. Uncontaminated soil, rock, and gravel
 - c. Broken concrete
 - d. Bricks
 - e. Glass and Ceramics
 - f. Inert plastics
 - g. Broken asphalt paving fragments (asphalt shall not be dumped into standing water nor shall it be placed below the highest anticipated groundwater elevation)
 - h. Shredded tires (shredded tires shall not be dumped into standing water nor shall they be placed below the highest anticipated groundwater elevation)
2. The discharger shall remove and relocate at a legal point of disposal any wastes that are discharged in violation of these requirements. For the purpose of these requirements, a legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and is in full compliance therewith.
3. Adequate facilities shall be provided to divert storm water away from the facility and from areas where any potential pollutants are stored. The discharger must develop and implement, within 90 days from the adoption of this Order, a Stormwater Pollution Prevention Plan (SWPPP) in accordance with Attachment "A", which is incorporated herein and made part of this Order.

B. Prohibitions:

1. No hazardous wastes, designated wastes, or liquid wastes shall be deposited at this disposal site.
2. Non-hazardous solid wastes (decomposable organic refuse such as, but not necessarily limited to, ordinary household and commercial refuse, tin cans, metals, paper and paper products, plasterboard, cloth and clothing, wood and wood products, lawn clippings, sod, shrubbery, hair, hide, bones, dead animals, roofing paper, tar paper, unquenched ashes mixed with refuse, market refuse, garbage, etc.) shall not be deposited at this site.

3. No materials of a toxic nature such as insecticides, poisons, or radioactive materials, shall be deposited at this site.
4. No asbestos or asbestos products shall be deposited at this site.
5. Wastes deposited at this site shall be confined thereto, and shall not be permitted to enter drainage ditches or watercourses.
6. Erosion of deposited materials by surface flow shall be prevented.
7. Neither the discharge nor any treatment of wastes shall cause pollution or nuisance.

C. Water Quality Protection Standards

In accordance with Title 27, California Code of Regulations, Section 20390, the following groundwater quality protection standards are established for this facility:

<u>Parameter</u>	<u>Units</u>	<u>Water Quality Protection Standard*</u>
Total dissolved solids	mg/L	450.
Sulfate	mg/L	100.
Chloride	mg/L	100.
Boron	mg/L	0.5

* Based on the water quality objectives for the western area of the Main San Gabriel Basin contained in the Basin Plan.

Water quality protection standards may be modified by the Board based on more recent or complete groundwater monitoring data, changes in background water quality, or for any other valid reason.

D. Provisions

1. The discharger shall develop a workplan acceptable to the Executive Officer that describes the locations and construction details of a groundwater (including exposed groundwater in Pit No. 3) monitoring network that will adequately detect any release to groundwater from this disposal site. This workplan must be submitted to the Executive Officer within ninety (90) days after adoption of this Order, and must include the following:
 - a. A map depicting the locations of the ground water monitoring wells and a rationale for their number and spatial distribution.

- b. Drawings and data depicting construction details of the proposed ground water monitoring network. These must include:
- casing, borehole diameters and method of drilling;
 - casing materials to be used;
 - depth of each hole;
 - size, length, and position of screen;
 - nature and emplacement of filter pack and rationale for them;
 - depth, composition, and emplacement of seals; and
 - method and timetable for well development.

The discharger shall start groundwater monitoring at least one year prior to receiving any inert wastes other than native geological materials generated by URP's mining activities at the vicinity of the site.

2. The discharger shall use the statistical procedures contained in CCR title 27, section 20415(e)(7), to determine if there is a statistically significant increase for any background indicator parameter. Upon approval of the Executive Officer, alternative statistical procedures may be used.
3. In the event that a statistically significant increase is observed for any background indicator parameter, the discharger shall establish an evaluation program in accordance with CCR title 27, section 20415(e)(9), unless such a program has already been submitted.
4. If evaluation monitoring determines that there is a statistically significant increase in the water quality protection standard (background indicator parameters as listed in Section II.B. of Monitoring and Reporting Program No. 5801), then the discharger shall institute a corrective action monitoring program in accordance with CCR title 27, section 20415(e)(10).
5. The discharger shall take any and all necessary measures to prevent unauthorized disposal of wastes at this site by instituting a waste load-checking program. A waste load-checking program, including a QA/QC program proposed by the discharger to ensure compliance, must be submitted to the Executive Officer for approval at least ninety (90) days before the facility can receive any inert wastes other than native geological materials generated by URP's mining activities at the vicinity of the site. As a minimum, the load-checking program shall include the following:
 - a. A computer tracking system at the entrance of the landfill: The system shall determine and record whether the source of the material is residential or non-residential. If the material is non-residential, the source type, such as gas station, industrial, commercial, etc., must be evaluated by the discharger's personnel. If it is determined that the material may contain significant chemical contamination, it will

be necessary to refuse the waste load or hold the truck for further information or chemical analysis. The computer tracking system shall issue a weighmaster ticket (in English and Spanish). The truck driver must sign the weighmaster ticket certifying that the waste load does not contain contaminant levels that are hazardous or represent a significant threat to groundwater.

- b. Prior approval form: Prior to receiving any soil volume greater than 750 cubic yards from a single excavation project or for projects that start out small and eventually exceed the 750 cubic yards limit, a prior approval form must be filed by the hauler and landfill personnel. The hauler must supply information of the soil material such as the source (residential or non-residential), quantity, chemical content, and delivery date. The hauler must sign the form acknowledging that “...*the hauler stipulates that to the best of his or her knowledge hazardous levels of contaminants do not exist in the waste.*” Landfill personnel must approve the acceptance of the material and record the approval number, who from the landfill approved acceptance of the material, general and detailed information regarding the location within the landfill where the material will be placed, and the dates of placement.
 - c. Personnel training: Personnel at the gate and the dumping areas of the landfill must be trained to ensure the discharger’s compliance concerning acceptable and unacceptable materials as provided in this Order.
6. The discharger shall provide an updated annual survey of all fill areas including boundaries, elevations, and keys to permanent monuments. The results shall be included in the annual report submitted to the Regional Board.
 7. The discharger shall maintain copies of this Order and the waste load-checking program at the site so as to be available at all times to personnel operating the site.
 8. The discharger shall file with this Regional Board a report of any material change or proposed change in the character, location, boundaries or quantity of this waste discharge at least 120 days prior to the date of such proposed change.
 9. In the event of any change in name of operator or in control or ownership of land or waste disposal facilities owned or controlled by the discharger, the discharger shall:
 - a. Notify this Regional Board in writing of such a change; and
 - b. Notify the succeeding owner or operator by letter, a copy of which shall be filed with this Regional Board, of the existence of this order.
 10. Ninety (90) days prior to cessation of disposal operations at this site, the discharger shall submit a technical report to the Regional Board describing the methods and controls to be used to assure protection of the quality of receiving waters during final operations and with any proposed subsequent use of the land. Such methods and controls shall comply

with the foregoing technical report and the waste discharge requirements. The report shall be prepared under the direct supervision of a California-registered geologist or engineer, or a California-certified engineering geologist.

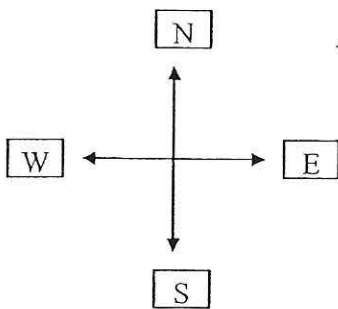
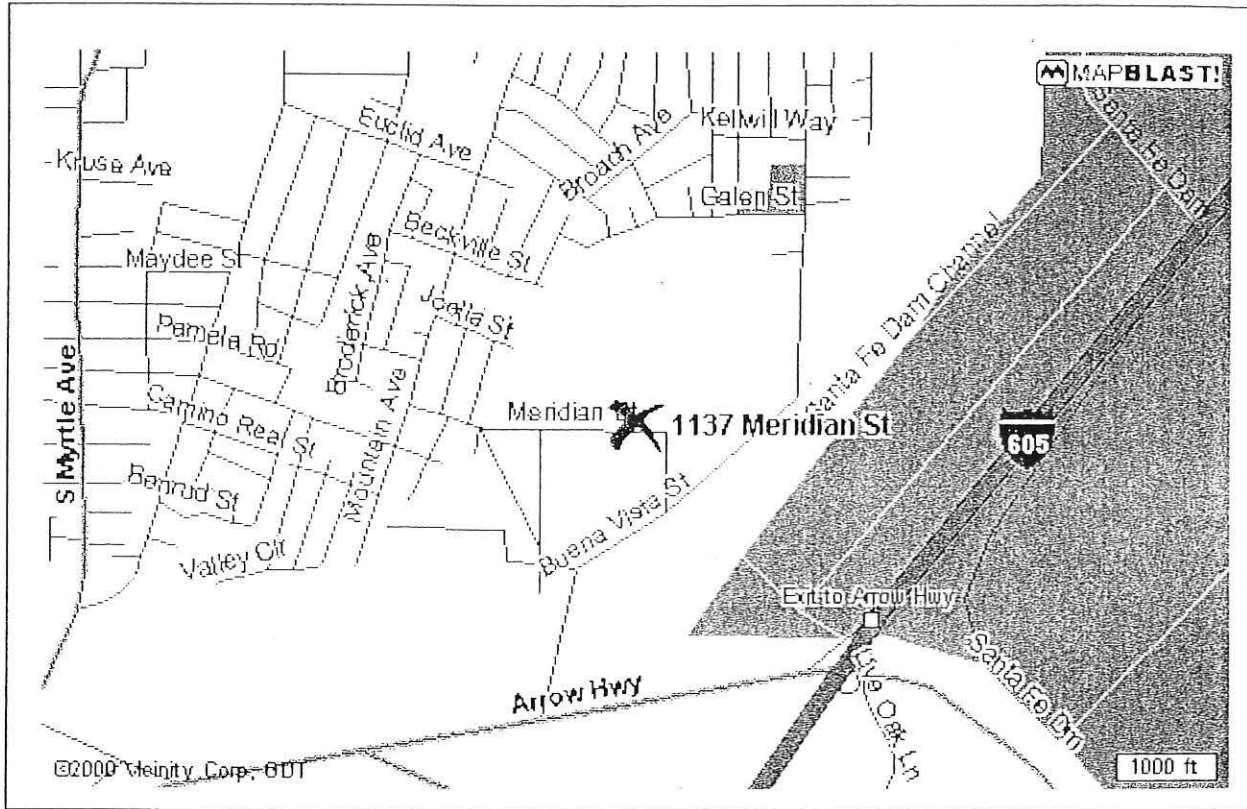
11. This Regional Board considers the current property owner, URP, to have continuing responsibility for correcting any problems which may arise in the future, whether the site is then owned and operated by URP or not.
12. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.
13. In accordance with Water Code Section 13263(g), these requirements shall not create a vested right to continue to discharge. All discharges of waste into the waters of the State are privileges, not rights, and are subject to rescission or modification.
14. In accordance with Section 13267 of the California Water Code, the discharger shall furnish, under penalty of perjury, technical monitoring program reports; such reports shall be submitted in accordance with specifications prepared by the Executive Officer, which specifications are subject to periodic revisions as may be warranted.
15. This Order includes the attached "Standard Provisions Applicable to Waste Discharge Requirements" (Attachment "W"). If there is any conflict between provisions stated hereinbefore and the attached "Standard Provisions Applicable to Waste Discharge Requirements", those provisions attached hereinbefore prevail.
16. In accordance with Section 13263 of the California Water Code, these requirements are subject to periodic review and revision by this Regional Board.
17. Order No. 73-32 adopted by the Regional Board on April 12, 1973, is hereby rescinded.

I, Dennis A. Dickerson, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region on September 19, 2001.



Dennis A. Dickerson
Executive Officer

Figure 1



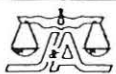
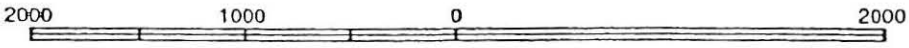
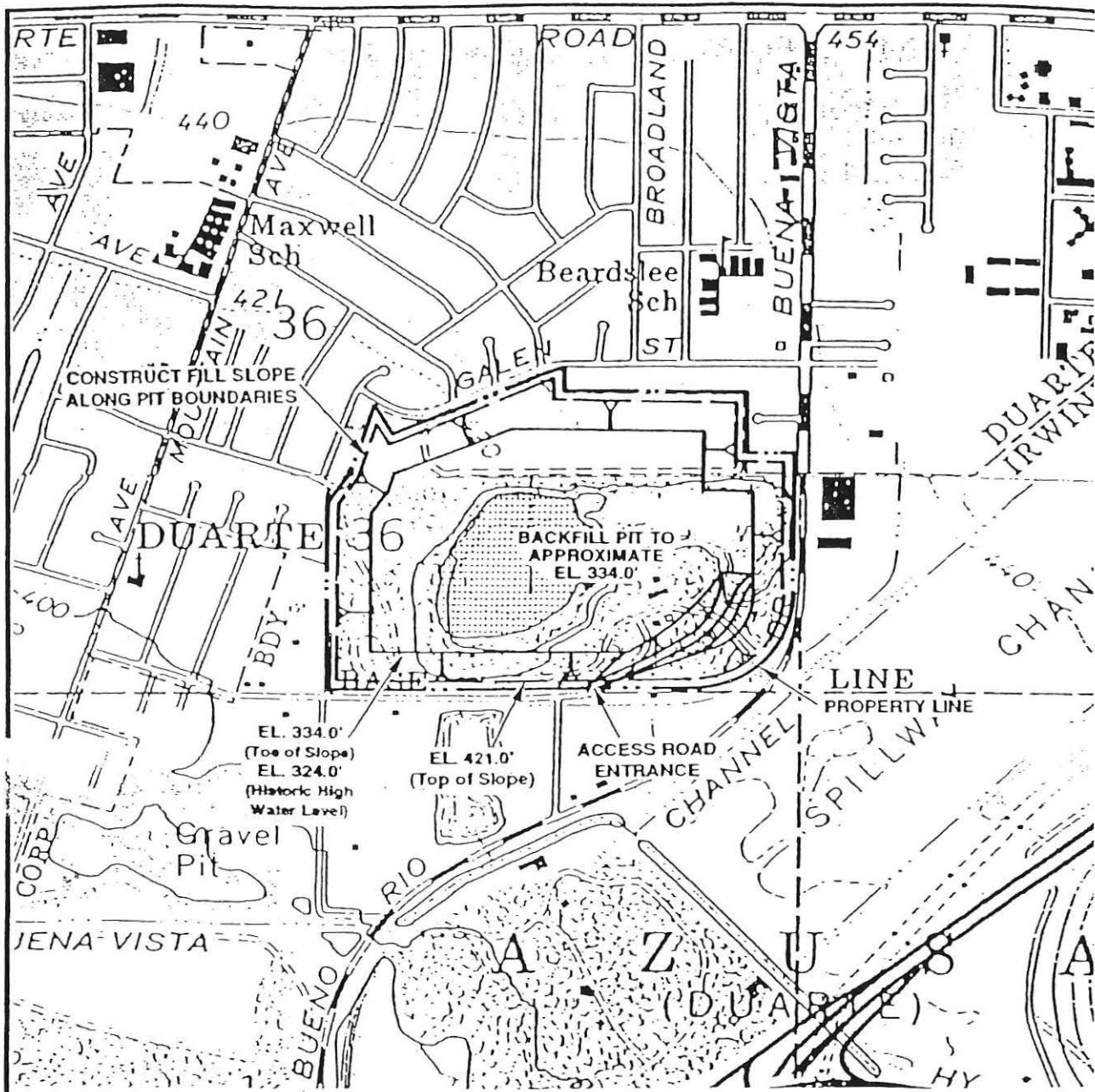
Justice & Associates

801 Pacific Coast Highway, Suite 200
Seal Beach, CA 90740
(562) 799-6111 Fax (562) 799-6119

Site Area Map

United Rock Products Corporation
1137 Meridian Street, Duarte, CA 91010

Figure 2



Justice & Associates

801 Pacific Coast Hwy. Ste. 200 Seal Beach, Ca. 90740
 Phone 562 799-6111 Fax 562 799-6119

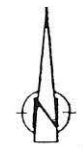
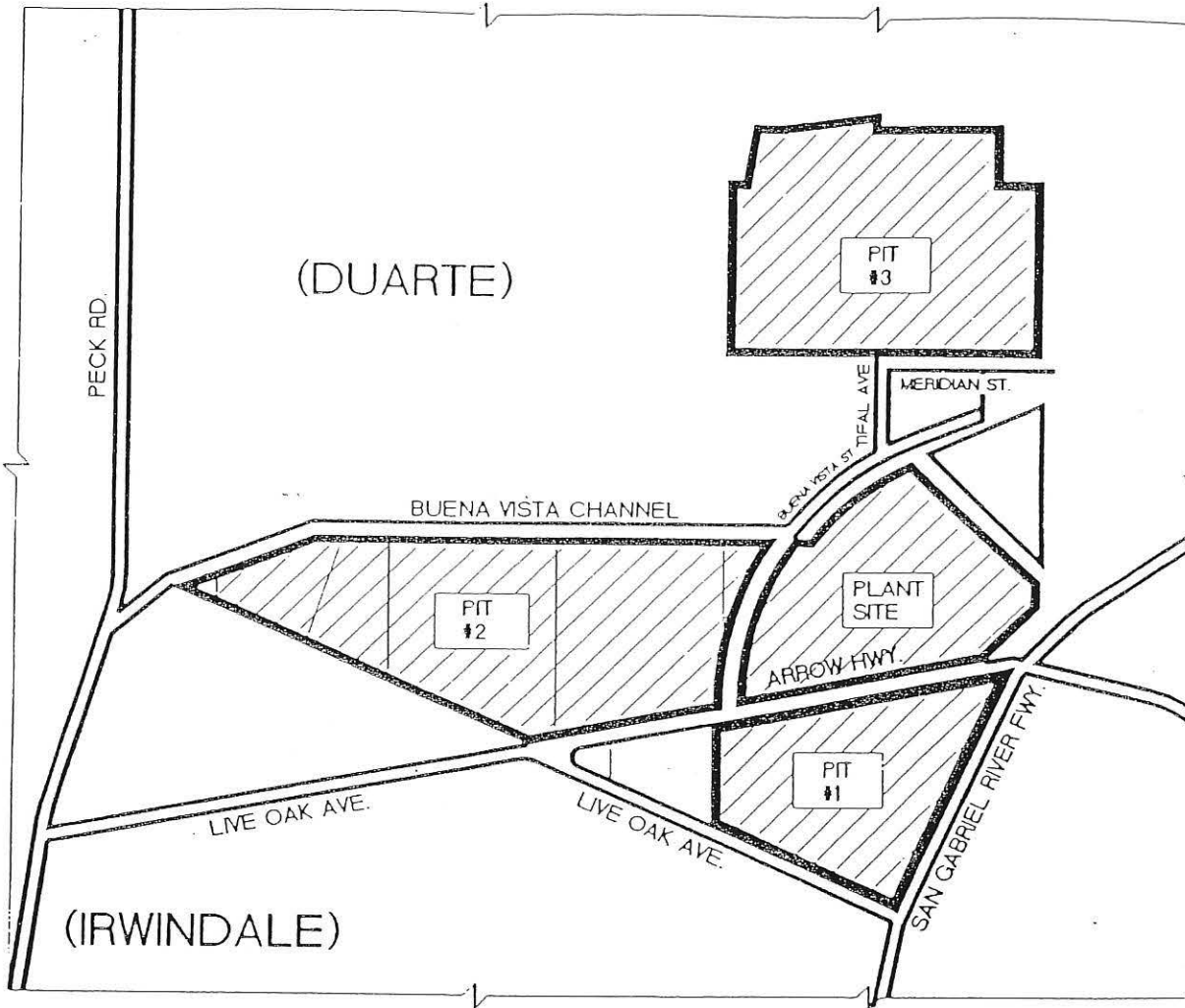
DESCRIPTION		United Rock Products		
		Detail Site Map Pit #3		
JOB NO.	CADCODE	DRAWN BY:	DATE	DWG. NO.
C-6891	C-6891		2/08/01	C-6891

NOTE:
 Pit Floor To Be Graded @ 2%
 Slope To Southwest Corner
 Of Site With 2: 1 Side Slopes.

REFERENCE: USGS 7.5 Minute Series Topographic Maps, "Azusa, Calif." 1972 and "Baldwin Park, Calif." 1981, Photorevised Quadrangles.

Dames & Moore

Figure 3



0 500 1
SCALE IN FEET

7003ADY

WATSON INC. MEMPHIS	Developed By: MLR	Drawn By: LA	SITE MAP	Drawn Number
	Approved By: <i>SJA</i>	Date: 08-13-93		
	Reference By:		1245 E. ARROW HWY.	MONTGOMERY WATSON
	Revisions:	Project No.	IRWINDALE, CA.	