

1684
H20208

USE TO COMPLY CALIF. UST REGS
TITLE 23, DIV 3, CH 18
PART 2836 (e) (4)

PACIFIC PETROLEUM
DT # 3089
EL CAJON, CA.

CERTIFICATE OF INSTALLATION

FOR THE

PLASTEEL® ELUTRON™ UNDERGROUND TANK

In compliance with part 280 of Title 40 of the Code of Federal Regulations, this document may be implemented to meet Subpart B, paragraph 280.2 (e); CERTIFICATION OF INSTALLATION.

The installer must initial all sections below representing that the installer has read, was cognizant of and has completed, as applicable, all sections of the PLASTEEL® ELUTRON™ Tank Installation Instructions attached hereto.

Return completed form to manufacturer to activate warranty.

ELUTRON™ TANK DATA

The U.L. Label and serial number is on the top centerline of the tank and also listed on the delivery document.

SIZE IN GALLONS	U.L. SERIAL NUMBER
5,000	L-322188

INSTALLATION CHECK-OFF COMPLETION LIST

SECTION	INITIAL	DATE
I. GENERAL	MB	3/12/93
II. VISUAL INSPECTION	MB	3/12/93
III. HANDLING	MB	3/12/93
IV. EXCAVATION DEPTH, BEDDING AND BACKFILL	MB	3/12/93
V. ANCHORING SYSTEMS	MB	3/12/93
VI. TESTING	MB	3/12/92
VII. VENTING: JACKETED	MB	3/12/93
VIII. PLASTEEL® SEALING PROCEDURES	MB	3/12/93

INSTALLATION COMPANY

Kodak Management, Inc.
General Engineering Contractors
 License # 642709
 1631 Edgemont St. SD, CA 92102
 tel (619) 238-8800 fax (619) 238-8843

CITY, STATE, ZIP
 TELEPHONE

INSTALLATION DESCRIPTION

INSTALLATION SITE
 3121 Willow Glen Drive
 ADDRESS
 EL. CAJON, CA 92019-4605
 CITY, STATE, ZIP

INSTALLATION COMPLETION/SUPERVISOR'S SIGNATURE

The responsible supervisor's signature below represents that phases I through VIII were properly completed per the PLASTEEL® ELUTRON™ Installation Instructions.

Michael L. Breid 3/12/93
 SIGNATURE DATE
 Michael L. Breid
 PRINT NAME

PLASTEEL® TANK OWNER

Randos and Diego - Nitta Enterprises
 NAME
 3121 Willow Glen Drive
 ADDRESS
 EL CAJON, CA 92019-4605
 CITY, STATE, ZIP
 [Signature] 3/12/93
 SIGNATURE DATE

YOUR PLASTEEL® TANK MANUFACTURER IS:

JOOR MANUFACTURING, INC.
 NAME
 1189 INDUSTRIAL AVE.
 ADDRESS
 ESCONDIDO, CA.
 CITY, STATE, ZIP
 619 745 0971
 TELEPHONE

RETURN COMPLETED FORM TO MANUFACTURER TO ACTIVATE WARRANTY



EST. # 20308

PLAN CHECK # MIT/1/16/84

WORKPLAN
FOR
UNDERGROUND STORAGE TANK CLOSURE

1. Site Name RANCHO SAN DIEGO GOLF COURSE

2. Site Address 3121 WILLOW GLEN DR.
EL CAJON, CA. 92019-4605

3. Describe the existing land use in the surrounding area, i.e. residential, commercial, schools.
RESIDENTIAL COMMERCIAL

4. Explain how the excavation will be secured. At a minimum, secured fencing is required.
Six foot high fence

5. If soil is to be stockpiled, describe the location and method of containment.
West of the excavation

6. If you discover an Unauthorized Release, do you plan to conduct site assessment or remedial work beyond what is necessary to remove the underground storage tank(s) and perform the mandatory soil sampling required by the HMMD?

Yes

No

If Yes, you must submit an additional workplan which includes the following:

1. What additional work do you plan on performing?
2. How will you protect the surrounding community?

Signature

Michael H. Burt

Title

Pres/CEO

Telephone

738-8800

Date

H20208
 NT7684
 TO Be
 sent to
 Health Dept.

SAN MATEO COUNTY FIRE PROTECTION DISTRICT (65 995 6606740)

PERMIT

BUSINESS ADDRESS 3121 Willow Glen		DATE 5/14/93
BUSINESS NAME Rancho San Diego Golf Course		PHONE
ISSUED TO Norm Pruett		
NAME OF LICENSE Same		
MAILING ADDRESS El Cajon, Ca		ZIP 92019
<p>STATEMENT: All permits or certifications issued shall be presumed to carry the proviso that the owner, his agents and employees shall carry out the proposed activity in compliance with all laws and regulations thereunto, whether specified or not, and in complete accordance with approved plans and specifications. Any permit or certification which purports to sanction a violation of any applicable law or regulation shall be void and any approval of plans and specifications in the issuance of such permits shall likewise be void. This permit shall continue until revoked by the fire chief or until such time as there are any changes in use, occupancy, operation or ownership, at which time a new permit shall be required. This does not constitute a permit until it has been approved by the Chief or his Deputy. I hereby acknowledge that the information given is correct and that I am the owner or the duly authorized agent of the owner.</p>		
SIGNATURE (Owner or Agent) Norman J. Pruett		DATE SIGNED
CODE SECTION	TYPE OF PERMIT REQUIRED	
	at 4 Permit required to	
	suspend flammable	
	liquid gas used to	
	at 79.	
	1 year permit valid to 5/14/94	
ADDITIONAL COMMENTS 48.00 fee to be paid to district		
The above named Company or person is authorized under the provisions of the Uniform Fire Code to engage in the above Processes and Activities.		
SIGNATURE Ron Lou		TITLE Inspector
DATE APPROVED 5/14/93	FOR ADDITIONAL INFORMATION, DIRECT INQUIRIES TO Ray @ 2850 Via Orange Way Spring Valley	
Permit No. 46073121		

HEALTH SERVICES

MAY 10 10:50 AM '93
 RECEIVED

91978-1746

H20208
NT1684

SAN MIGUEL FIRE PROTECTION DISTRICT (619)660-6740

PERMIT

312-1
 BUSINESS ADDRESS *W. T. 11000 220 DR*
~~1631 EDGEWENT ST, SANDRAGO, CA~~
 BUSINESS NAME *KODIAK MANAGEMENT INC.* DATE *2/24/93*
 PHONE *(64) 238-8800*

ISSUED TO *Michael Breen*
 NAME OF LICENSE *A-B-Haz #642709-California State*

MAILING ADDRESS *1631 Edgewent St. San Diego, CA 92102* ZIP *92102-1605*

STATEMENT: All permits or certifications issued shall be presumed to carry the proviso that the owner, his agents and employees shall carry out the proposed activity in compliance with all laws and regulations thereto, whether specified or not, and in complete accordance with approved plans and specifications. Any permit or certification which purports to sanction a violation of any applicable law or regulation shall be void and any approval of plans and specifications in the issuance of such permits shall likewise be void. This permit shall continue until revoked by the fire chief or until such time as there are any changes in use, occupancy, operation or ownership, at which time a new permit shall be required. This does not constitute a permit until it has been approved by the Chief or his Deputy. I hereby acknowledge that the information given is correct and that I am the owner or the duly authorized agent of the owner.

SIGNATURE (Owner or Agent) *Michael Breen* DATE SIGNED *2-24-93*
Kodiak Management

SECTION	TYPE OF PERMIT REQUIRED
<i>UFC</i>	<i>REMOVAL/INSTALLATION OF</i>
<i>4.101</i>	<i>UNDERGROUND FLAMMABLE LIQUID TANK -</i>
	<i>MAINTAIN PERMIT + ATTACHED PLANS ON SITE.</i>

ADDITIONAL COMMENTS:
SEE APPLICATION FOR ADD'L REQUIREMENTS

The above named Company or person is authorized under the provisions of the Uniform Fire Code to engage in the above Processes and Activities.

SIGNATURE *[Signature]* FIRE INSPECTOR

DATE APPROVED *3/8/93* FOR ADDITIONAL INFORMATION DIRECT INQUIRIES TO:
FOR
D. W. REED, FIRE MARSHAL

[Handwritten signatures and initials]
 IS
 THIS
 OK
 TO GO

KODIAK MANAGEMENT, Inc.

GENERAL ENGINEERING CONTRACTORS

LICENSE #40709

FAX COVER

FAX NO. (619) 238-8843

TEL NO. (619) 238-8800

DATE: Wednesday March 17, 1993 TIME: 2:30

TO: Ellen Gelinas
FROM: Jessica Denison

SUBJECT Fire permit for Rancho San Diego #20208

NO. OF PAGES: This form plus (1) ___ pages.

PER YOUR REQUEST

PLEASE REPLY

FOR YOUR INFO

NO REPLY NECESSARY

PER PHONE CONVERSATION

OTHER

THANK YOU!!

KODIAK MANAGEMENT, Inc.

GENERAL ENGINEERING CONTRACTORS

LICENSE #602709

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PLEASE REPLY

FOR YOUR INFO

NO REPLY NECESSARY

PER PHONE CONVERSATION

OTHER

THANK YOU!!

1631 EDMONT STREET, SAN DIEGO, CA 92102-1603 TEL (619)- 238-8800 FAX (619) 238 8843

ds

H20208
NT 1664

AIR POLLUTION CONTROL DISTRICT
9150 CHESAPEAKE DRIVE
SAN DIEGO, CA 92123-1095
R E C E I P T

Date Received : 03/01/93

Received From : RANCHO SAN DIEGO GOLF/KODIAK M

Check No. : 2024

Receipt No. : 936596

Acct. Data Id : 01

Amt. Received : \$613.00

PAYMENT FOR : APPLICATION FEES

~~APP#~~ 921103

SAN DIEGO AIR POLLUTION CONTROL DISTRICT
 9150 CHESAPEAKE DRIVE
 SAN DIEGO CA 92123-1095
 (619) 694-3307

APPL NO.	9211403
SECTOR/ID NO.	04443A
PERMIT/OPERATE	
SIC CODE	
(APCD USE ONLY)	

APPLICATION FOR AIR POLLUTION CONTROL DISTRICT
 AUTHORITY TO CONSTRUCT (A/C) AND/OR PERMIT TO OPERATE (P/O), SELL OR RENT

ATTENTION: PLEASE READ INSTRUCTIONS ON THE REVERSE SIDE OF THIS FORM PRIOR TO COMPLETING.
 ALL SECTIONS MUST BE COMPLETED. (Please PRINT or TYPE.)

FILING THIS APPLICATION DOES NOT GRANT PERMISSION TO CONSTRUCTOR TO OPERATE EQUIPMENT

I. APPLICANT INFORMATION

- Firm Name (DBA/Mil. Command/Govt Entity): Rancho San Diego Golf
- Legal owner, if different from DBA: Nitta Enterprises
- Equipment address: 3121 Willow Springs Rd. City El Cajon Zip 92019
(For Portable Equipment use Home Base Address)
- A/E Contact/Title: Mike Greid / CEO Kodak Phone (619) 238-8800
- Mailing Address: 1631 Edgemont St. City S.D. State Ca Zip 92102
(If different from equipment address)
- Permit Recipient/Title: Nitta Enterprises Phone (619) 442-9891
- Mailing Address: 3121 Willow Springs Rd. City El Cajon State Ca Zip 92019
- Site Contact/Title: Norm Drivett / Supt. Site Phone 619-447-0012
- Nature of Ownership: Govt. Utility Corp. Dealership Individual Partnership
- Nature of Business: GOLF Course

II. NATURE OF APPLICATION

- | | | |
|---|---|--|
| 1. <input checked="" type="checkbox"/> New equipment to be installed or constructed. (Original application) | 4. <input type="checkbox"/> Modification of existing permitted equipment. | Reference Application/
Permit Nos.

Appl. # _____
P/O # <u>92019</u> ✓
P/O # _____
P/O # _____ |
| 2. <input type="checkbox"/> Prefabricated (off-the-shelf) equipment not requiring construction. | 5. <input type="checkbox"/> Inactive status permit. | |
| 3. <input type="checkbox"/> Amendment to a completed APPL. or existing A/C. | 6. <input type="checkbox"/> Change of Permit Ownership. | |
| | 7. <input type="checkbox"/> Condition Change. | |
| | 8. <input type="checkbox"/> Change of Equipment Location. | |
| | 9. <input type="checkbox"/> Banking. | |
| | 10. <input type="checkbox"/> Other (Explain) _____ | |

III. DESCRIPTION OF OPERATION

- Normal Equipment Operating Hours/Day: 12 Days/Week: 7 Weeks/Year: 56

- General Description of Process Equipment & Air Pollution Control Equipment:
(Add attachments per instructions on reverse side and complete items (a) through (f) if applicable.)
TWO Paint Phase 1 1611 Drybreak
Coaxial Phase 2

- Estimated Start of Construction Date: 3-20-93 Est. Completion Date: 4-20-93

IV. SIGNATURE OF AUTHORIZED PERSON:

[Signature] Date: 3-11-93
 Print Name/TITLE: G. Shearer "Foreman" Company: Kodak management

DO NOT WRITE BELOW (APCD Use Only)

Receipt # 9365916 Date 3/11/93 Amt. Rec'd \$ 613.00 Fee Cost(s) 26 A 01
 Add'l Fee Receipt # _____ Date _____ Amt. Rec'd \$ _____ Fee Cost(s) _____
 Refund Claim # _____ Date _____ Amt. \$ _____
 APCD 166 Rev 01/90

STATION REBUILD

SAN DIEGO AIR POLLUTION CONTROL DISTRICT
 9950 HEARST PARK DRIVE
 SAN DIEGO, CALIF. 92131-0995
 (619) 594-3807

SUPPLEMENTAL APPLICATION INFORMATION
 FEES SCHEDULES 28AA BB CC DD
 NON-BULK VOLUMETRIC ORGANIC COMPOUND
 DISPENSING FACILITIES SUBJECT TO ORDINANCES 110 THROUGH 166

DBA: Rancho San Diego Golf Appl. No. 92-1193
 Address: 31211 Willow Springs Rd. Date: 3-1-93

1. VAPOR CONTROL EQUIPMENT TO BE INSTALLED OR MODIFIED

<u>New</u>	<u>Exist</u>	<u>Equipment Name</u>	<u>ARB Executive Order</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Phase I OPW 11611</u>	<u>E-70</u> _____
<input type="checkbox"/>	<input type="checkbox"/>	<u>Phase II DeLormie</u>	<u>E-70</u> _____
Dispense Arrangement According to Exhibit _____			of <u>E-70</u> <u>52</u> _____
Vapor Return Hose Internal Diameter: _____ inches			of Co-Axial <input checked="" type="checkbox"/>
Vapor Return Nozzle Mfr: <u>OPW</u>			Model: _____

Vacuum Assist Systems:

<u>Hasstech VCP-2</u>	<input type="checkbox"/>	or	<u>VCP-2A</u>	<input type="checkbox"/>
<u>Healy Jet Pump</u>	<input type="checkbox"/>	or	<u>Multi-jet</u>	<input type="checkbox"/>
<u>Hirt VCS-200-1</u>	<input type="checkbox"/>	or	<u>VCS-200-2</u>	<input type="checkbox"/>

	<u>Premium</u>	<u>Regular</u>	<u>Unleaded</u>	<u>Other</u>
No. of Existing Nozzles:	_____	_____	_____	_____
No. of Nozzles to be Added or Removed:	_____	_____	_____	_____
New Total Number of Nozzles:	_____	_____	_____	_____

2. STORAGE TANKS TO BE INSTALLED OR MODIFIED

Tank Capacity for Each Storage Tank (Gallons)

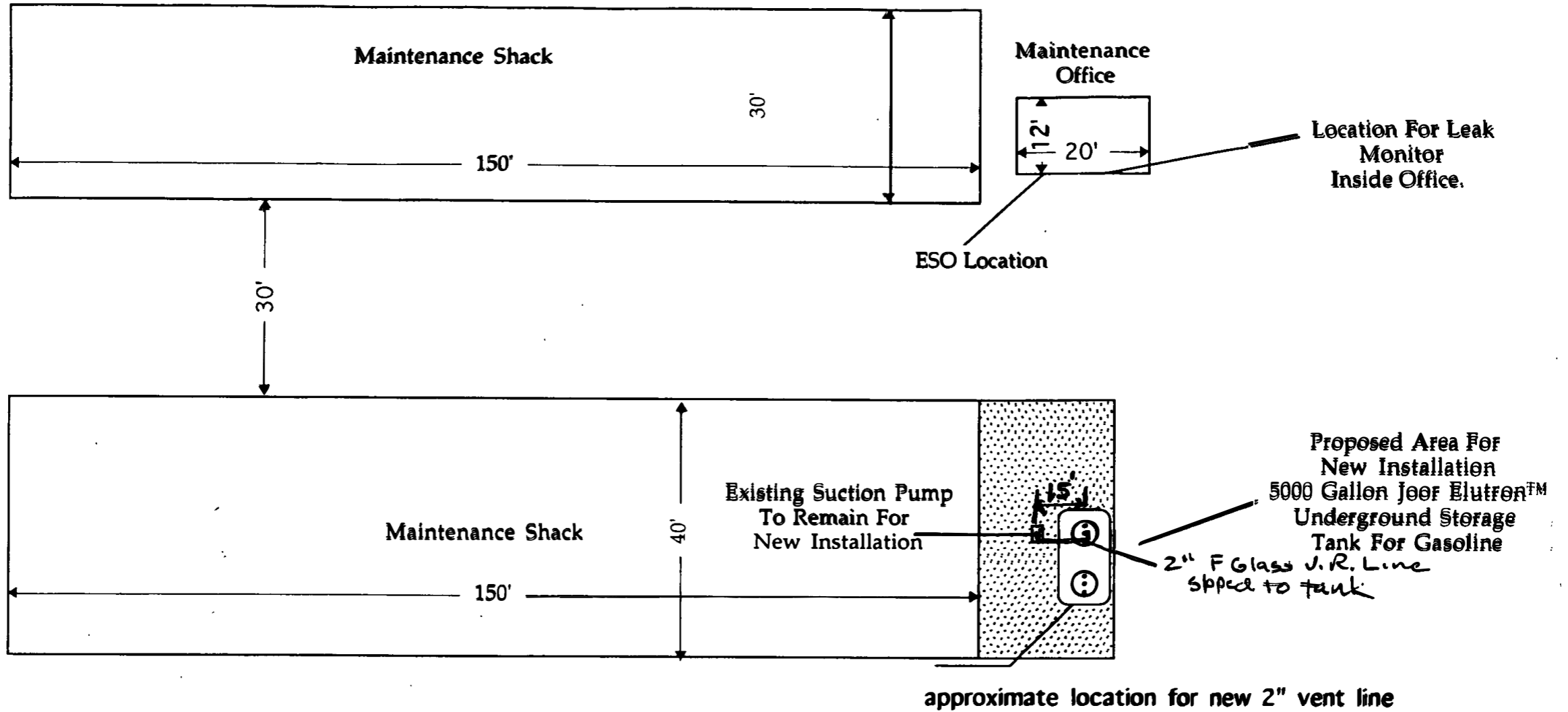
<u>New</u>	<u>Exist</u>	<u>Remove</u>	<u>Unleaded</u>	<u>Other</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>5000</u>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>5000</u>	_____
Monthly Throughput (Gallons): _____				

Include a site plan of all tanks, dispensers and underground piping. Also identify all vapor return piping material. Include a site plan of all tanks, dispensers and underground piping. Also identify all vapor return piping material. diameter, length and slope.

* Do not list nozzles or tanks used exclusively for diesel fuel.

Name of Preparer: Geoffrey Shuman Date: 3-1-93

BEFORE ACTING ON AN APPLICATION FOR AUTHORITY TO CONSTRUCT, PERMIT TO OPERATE, OR PERMIT TO USE OR RENEW, THE DISTRICT MAY REQUIRE FURTHER INFORMATION, PLANS, OR SPECIFICATIONS.



**Rancho San Diego
Golf Course
Tank Installation Plan
Scale: 1" = 20'
Page 2**

NT1684

PLAN CHECK # NT1664
EST # H20208
DATE: 3/2/93

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

PLAN CHECK CORRECTIONS AND COMMENTS FOR UNDERGROUND STORAGE TANK FACILITY

SITE NAME: RANCHO SAN DIEGO/KODIAK MANAGEMENT INC.

SITE ADDRESS: 3121 WILLOW GLEN DRIVE, EL CAJON 92019-4605

DESCRIPTION OF PROPOSED ACTION: REPLACEMENT OF ONE UNDERGROUND STORAGE TANK SYSTEM.

Rec'd 3/17/93

Rec'd 3-17-93

SUPPLY FIRE AND APCD PERMITS.

R+S

3/2/93

*Notified of Business Plan requirements -
no final till BP submitted for review -*

*cc B/P given to Jessica
for seta.
3-17-93
[Signature]*

PLANS REVIEWED AND APPROVED
SHOULD YOU HAVE ANY QUESTIONS, PLEASE CALL
MARY PETERS AT (619) 338-2207

PERMIT # W92833

A.P.N. # 519-011-04

EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: JAMACHA VILLAGE WEST SUBDIVISION

SITE ADDRESS: PAR FOUR DR, EL CAJON, CA 92019

PERMIT FOR: 3 GROUNDWATER MONITORING WELLS

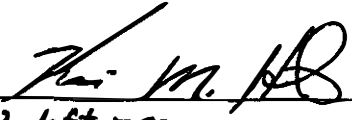
PERMIT APPROVAL DATE: 05/27/92

PERMIT EXPIRES ON: 09/24/92

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.
2. Submit all the information specified in the SA/M Manual in:
Section 1, C., 4., c).
3. This office must be given 48 hour notice of any drilling activity on this site.
4. This office must be given advanced notification of drilling cancellation.

APPROVED BY:



DATE:

5/27/92

Notified: 002 5/28/92 left msg.

PERMIT APPLICATION FOR GROUND WATER AND VADOSE MONITORING WELLS

ASSESSORS PARCEL NO. 511 191 - 101 111 - 1014	PROPOSED DRILLING DATE 6/2/92	NO. OF WELLS TO BE CONSTRUCTED Three
---	---	--

SITE NAME **Jamacha Village West**

SITE ADDRESS STREET CITY ZIP
Par Four Drive El Cajon (Thomas Bros. 63 F5) 92019

PROPERTY OWNER (NAME) PHONE NO.
Home Capital Development ()

MAILING ADDRESS STREET CITY ZIP
707 Broadway 15th Floor San Diego CA 92101

DRILLER (NAME) LICENSE NO. PHONE NO.
~~GEO DRILL, INC.~~ LARIVE DRILLING 476 427157 (619) 453 6110

MAILING ADDRESS STREET CITY ZIP
753 Gretchen Rd Chula Vista 91910

REGISTERED GEOLOGIST/ENGINEERING GEOLOGIST/CIVIL ENGINEER (RG/CEG/RCE) REG # PHONE NO.
BRYAN A. MILLER-HICKS CEG 1323 (619) 449-9830

MAILING ADDRESS STREET CITY ZIP
16035 Prospect Av Santee CA 92071

BOND POSTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	TYPE OF WELL <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> BORING <input type="checkbox"/> VADOSE <input type="checkbox"/> OTHER	DRILLING METHOD <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> AIR ROTARY <input type="checkbox"/> MUD ROTARY <input type="checkbox"/> PERCUSSION <input type="checkbox"/> OTHER
--	--	--

<p>MATERIALS TO BE USED</p> <p>CASING TYPE PVC SEAL <input type="checkbox"/> NEAT CEMENT <input type="checkbox"/> CEMENT & BENTONITE <input type="checkbox"/> OTHER BENTONITE</p> <p>GAUGE SCH 40 DIAMETER 2"</p> <p>WELL SCREEN SIZE .020</p> <p>FILTER PACK Specify well sand 2/16</p>	<p>PROPOSED CONSTRUCTION</p> <p>CEMENT SEAL -1 TO -1 CHECK \$450.00</p> <p>BENTONITE SEAL -5 TO -1</p> <p>FILTER PACK -25 TO 12-5</p> <p>PERFORATION -25 TO -15</p> <p>NOTE: For wells with multiple completion attach a well construction diagram</p>
--	---

I hereby agree to comply with all regulations of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

DRILLER SIGNATURE **Richard Larive** DATE **5-13-92**

Within 30 days of well completion, I will furnish the Department of Health Services with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application

RG/CEG/RCE SIGNATURE **Bryan A Miller-Hicks** DATE **5/12/92**

DISPOSITION OF APPLICATION APPROVED DENIED

CONDITIONS **Rela to attached conditions**

HEALTH OFFICER **Thi M. AD** DATE **5/27/92**

NUMBER OF WELLS TO BE CONSTRUCTED 3	OFFICE USE ONLY X \$150.00 = \$ 450.00 AMOUNT DUE	ESTABLISHMENT #
CHECK NO. 2932-521/92 DATE 5/27/92	PROCESSED BY EJA	PERMIT # W92833

PERMIT APPLICATION SUPPLEMENT
GROUND WATER AND VADOSE MONITORING WELLS

1. Well design, logging and construction must be supervised by a geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.

2. Provide verification of a well Drilling C-57 license

3. Provide a plot plan giving location of existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.

4. What is the proposed purpose of the well? Monitor natural water levels at
proposed subdivision to determine depths of colluvium removal
and recompaction during grading

5. What procedures will be used to prevent the well from providing an avenue to contamination during construction?

No contaminants expected to be encountered; if soil
contamination is noted, drilling will be suspended

6. What field procedures will be utilized to determine if contamination exists?

visual/odor

7. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

visual/odor

8. What constituents will be monitored and tested?

N/A

9. How will samples be transported and preserved? Per County SAM manual IF
applicable

10. What sampling methods will be used?
No samples to be taken; ~~use~~ if contamination noted,
new plan will be filed

11. Are you proposing a variation from the methods and/or procedures presented in the Requirements for the construction of vadose and Ground Water Monitoring Wells (dated January 1992) If yes, specify these variations?
yes - no soil sampling

12. What procedures will be used to insure no contamination will be introduced by the drilling equipment?
All equipment fluid leaks will be contained

13. What methods will be used to clean sampling equipment? N/A

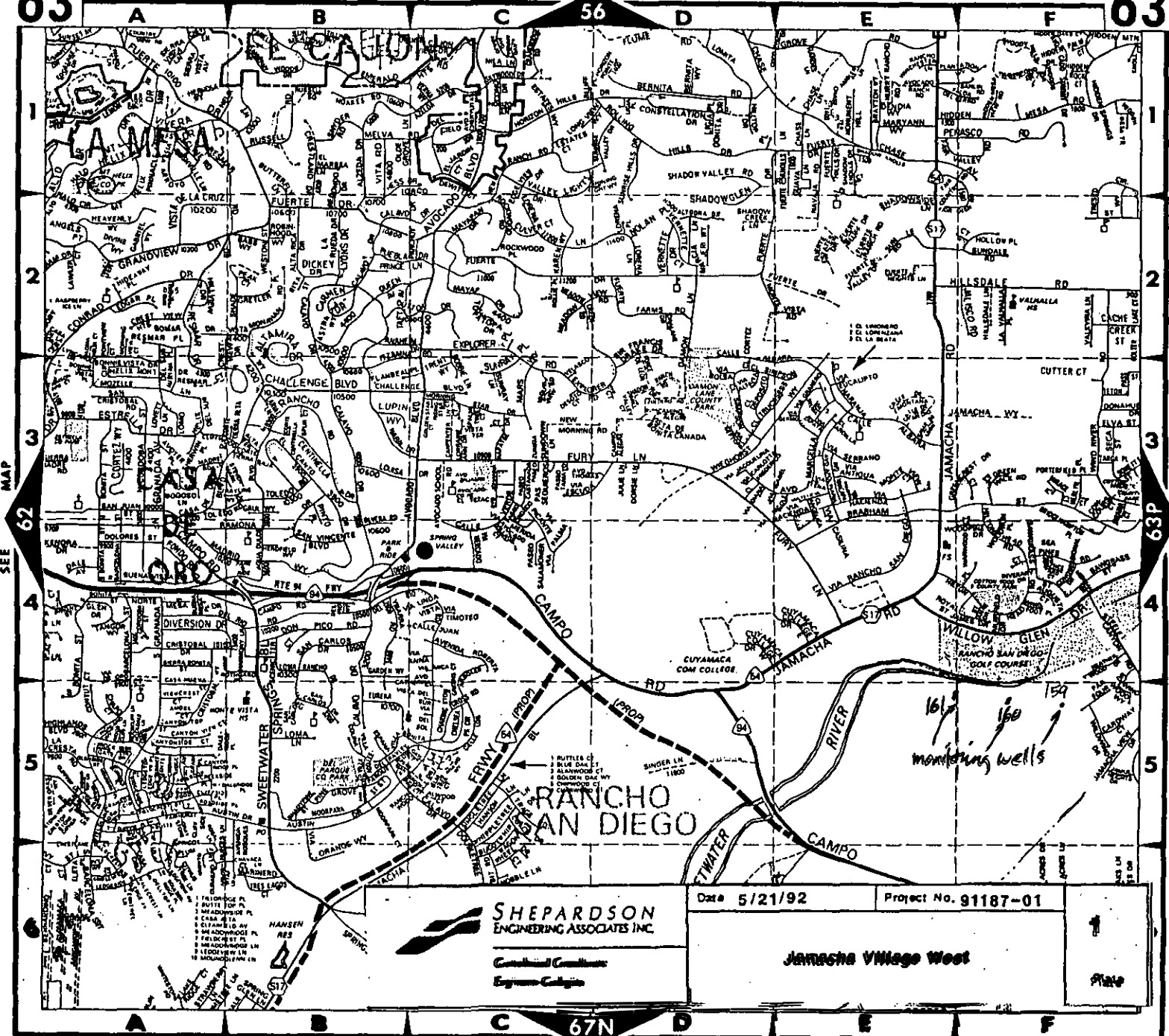
14. What cleaning method will be used to clean casing and screen prior to installation?
N/A

63

SEE MAP

63

SAN DIEGO CO



SEE MAP

DETAIL

62

COPYRIGHT ©1991 BY Shepardson Maps

SEE MAP

63P

- 1 FUTURE PL
- 2 EASE PL
- 3 EASE PL
- 4 EASE PL
- 5 EASE PL
- 6 EASE PL
- 7 EASE PL
- 8 EASE PL
- 9 EASE PL
- 10 EASE PL
- 11 EASE PL
- 12 EASE PL
- 13 EASE PL
- 14 EASE PL
- 15 EASE PL
- 16 EASE PL
- 17 EASE PL
- 18 EASE PL



SHEPARDSON
ENGINEERING ASSOCIATES INC.

Consulting Engineers
Engineers-Geologists

Date 5/21/92

Project No. 91187-01


Jamacha Village West

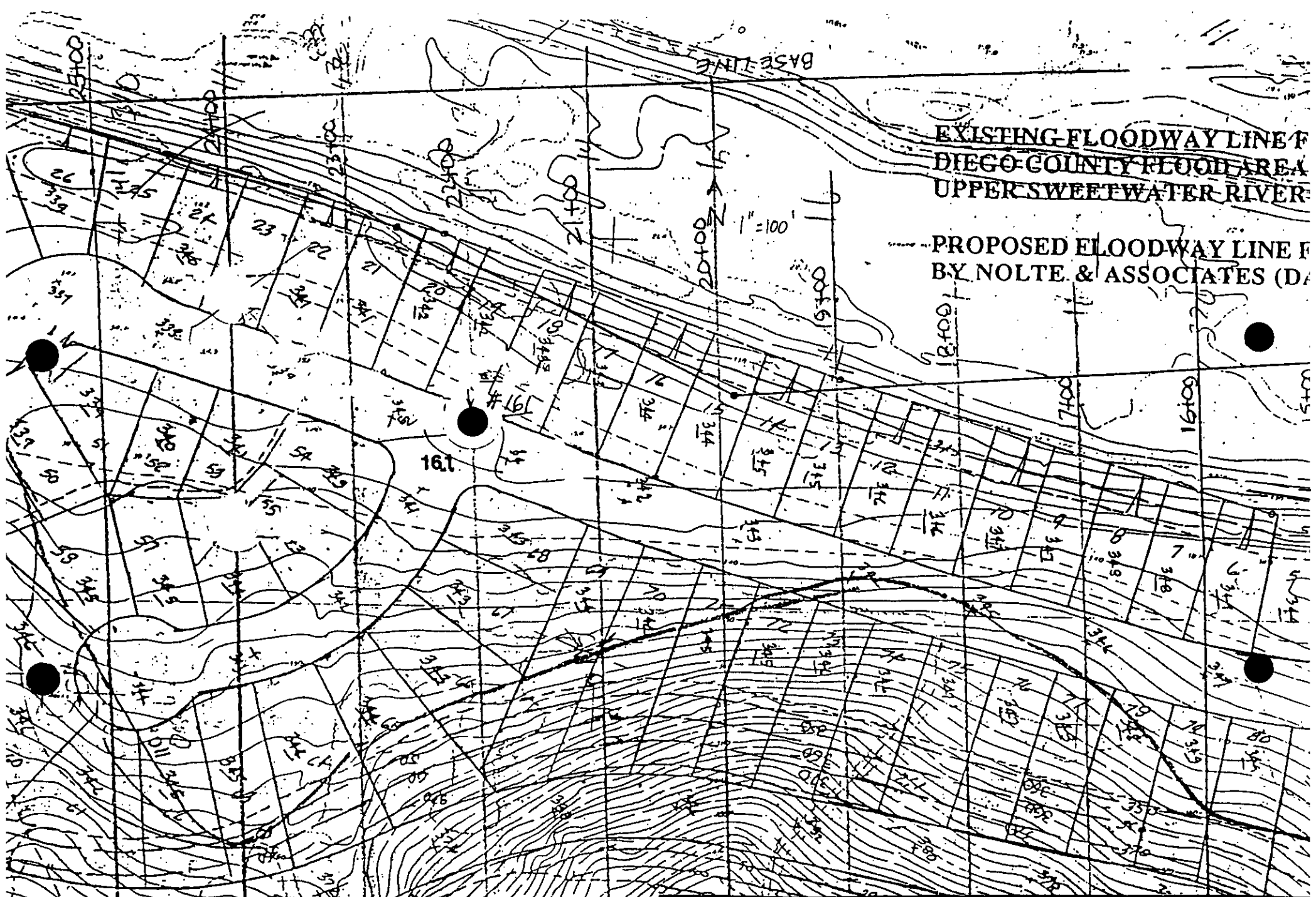
1
Plate

SEE MAP

67N



 <p>SHEPARDSON ENGINEERING ASSOCIATES INC.</p> <p>Geotechnical Consultants Engineers-Geologists</p>	Date 5/21/92	Project No. 91187-01	<p>2</p> <p>Plate</p>
	<p>Monitoring Well Locations Jamacha Village West</p>		



EXISTING FLOODWAY LINE FOR
 DIEGO COUNTY FLOOD AREA
 UPPER SWEETWATER RIVER

PROPOSED FLOODWAY LINE BY
 NOLTE & ASSOCIATES (D)

SHEEPARDSON
 ENGINEERING ASSOCIATES, INC.
 Geotechnical Consultants
 Edgewood, California

Date 5/21/92 Project No. 91187-01

Monitoring Well Locations
 Jamacha Village West



SHEPARDSON
ENGINEERING ASSOCIATES INC.

Geotechnical Consultants:
Engineers-Geologists

RECEIVED

JUN 11 1992

GENERAL SERVICES

10035 Prospect Ave.
Santee, CA 92071
619/449-9830
FAX 619/449-5824

5810-A El Camino Real
Carlsbad, CA 92008
619/931-9991
FAX 619/931-0547

June 8, 1992

County of San Diego
Department of Health Services
Hazardous Materials Management Division
P.O. Box 85261
San Diego, California 92186-5261

S.E.A. 91187-01

Attention: Mr. Kevin Heaton

Subject: Groundwater Wells
Jamacha Village West Subdivision (APN 519-011-04)
Par Four Drive
El Cajon, California 92019

Dear Mr. Heaton:

We have installed the three groundwater monitoring wells at the subject property, per permit # W92833 issued by your office on May 27, 1992.

In accordance with the Site Assessment and Mitigation Manual requirements, we have drilled 3 borings 20 to 25 feet deep and have installed wells for monitoring of natural water levels. As indicated on our well permit application, these water levels will be used by the grading contractor(s) to estimate depths of colluvial removal and recompaction.

No soil contamination, as indicated by odor and visual inspection, was noted during drilling.

In accordance with the SAM Manual, we attach copies of our borings logs for the wells, and site and vicinity plans to indicate locations. No underground utilities, or manmade structures exist in the area represented on our site plans. The nearest adjacent land use is existing single-family dwellings north and south of Par Four Drive, and the Rancho San Diego golf Course north of the floodway along the northerly property boundary.

As grading operations are conducted on the property, those portions of the wells within the soil zones to be removed and recompacted will be destroyed. Remaining portions of the wells below


2/24/97
UNABLE
TO LOCATE
CAC

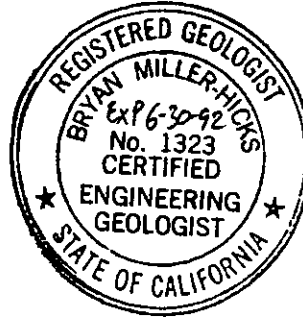
these zones will be abandoned in accordance with California Department of Water Resources Bulletins 74-81 and 74-90, "California Well Standards."

Please contact the undersigned, if there are any questions regarding the contents of this letter.

Respectfully submitted,

SHEPARDSON ENGINEERING ASSOCIATES, INC.

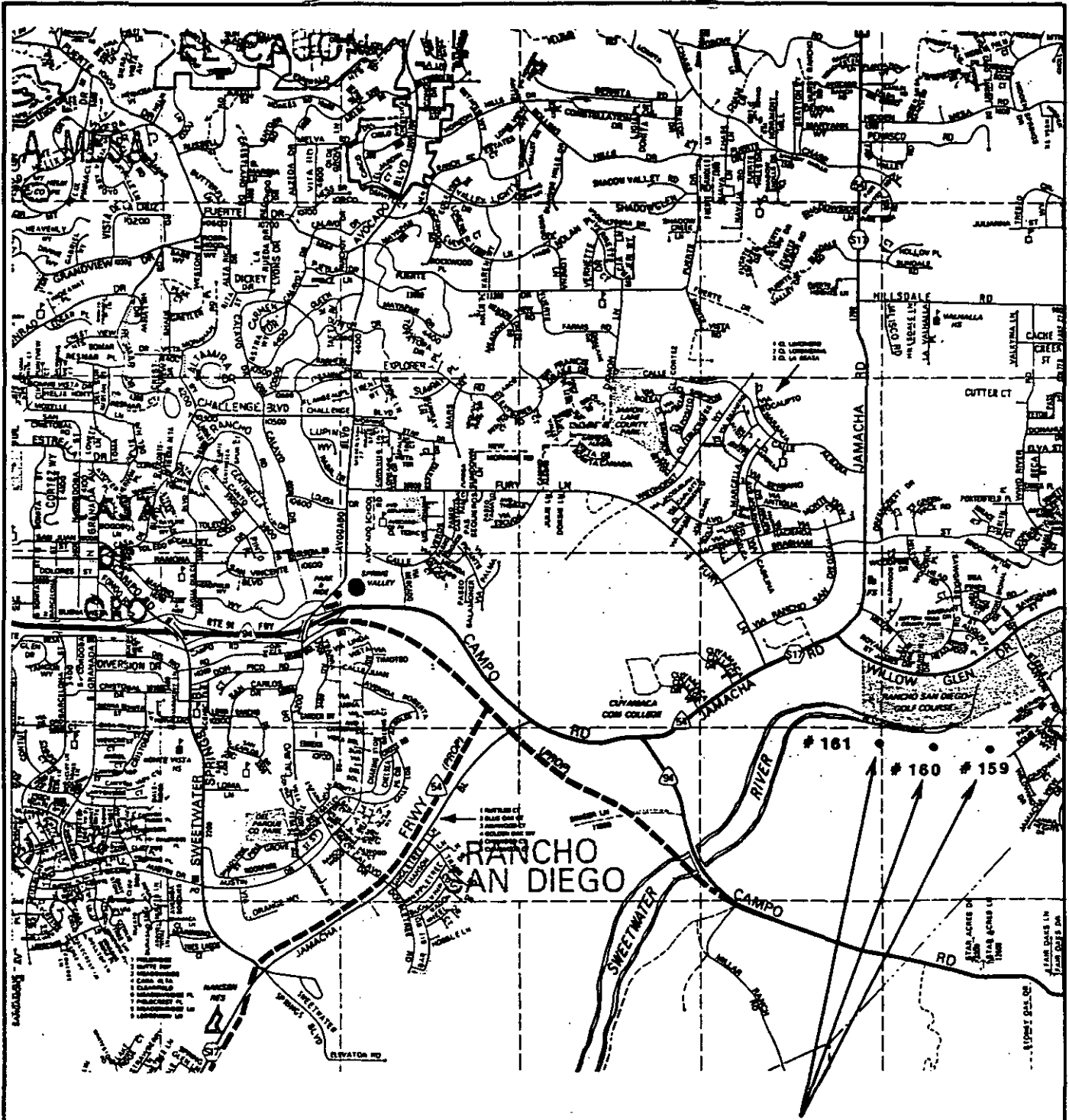

Bryan Miller-Hicks, C.E.G. 1323
Project Geologist



BMH:dr

cc: (1) Addressee
(1) Home Capitol, Attn: Bob Summers

Enclosure: Log of Test Boring No. B-159, Plate B-1
Log of Test Boring No. B-160, Plate B-2
Log of Test Boring No. B-161, Plate B-3
Vicinity Map, Plate 1
Monitoring Well Locations, Plate 2
Monitoring Well Locations, Plate 3



WELL LOCATIONS



SHEPARDSON
ENGINEERING ASSOCIATES INC.

Geotechnical Consultants:
Engineers-Geologists

Date **MAY '92**

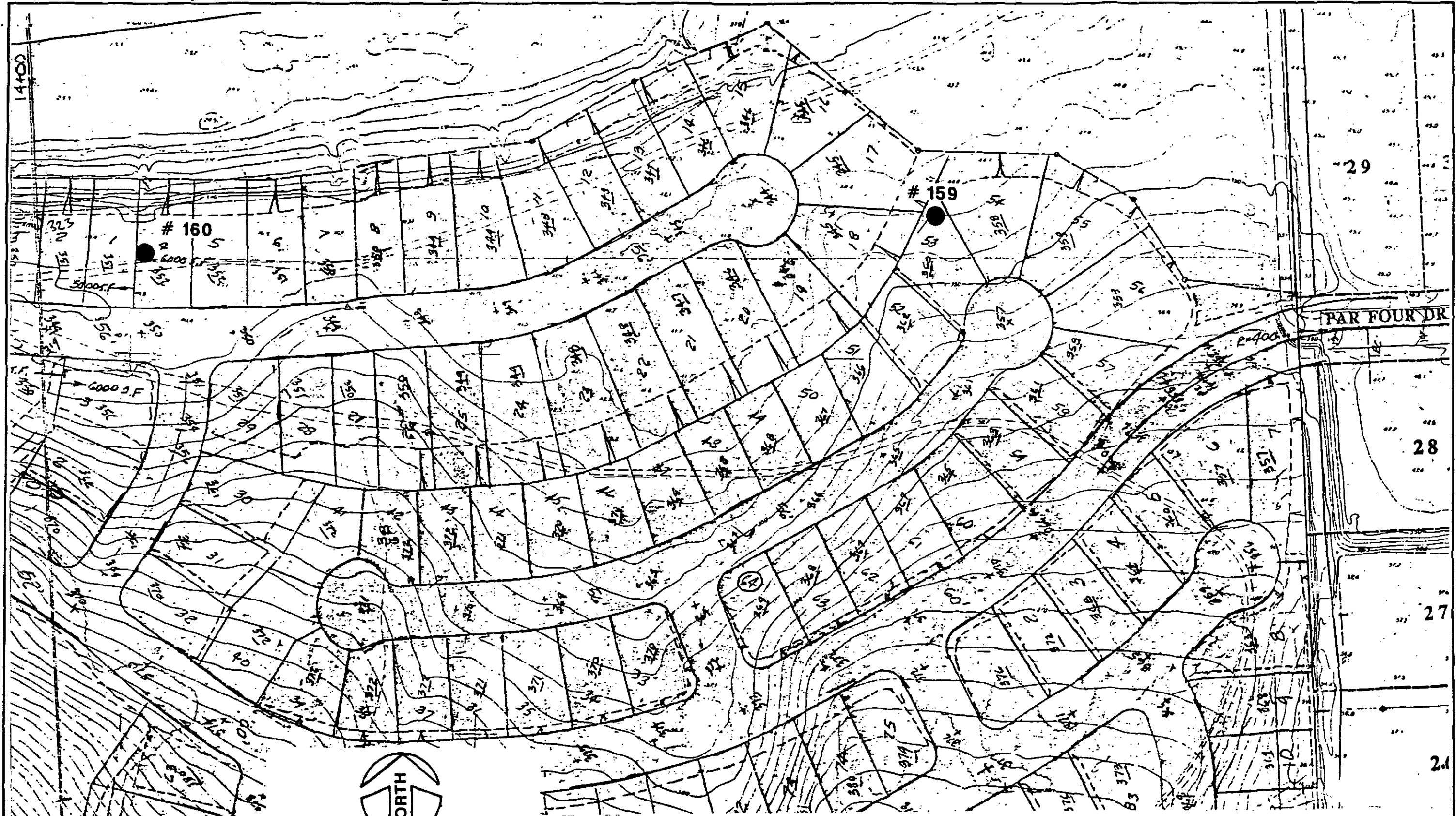
Project No. **91187-01**

JAMACHA VILLAGE WEST

VICINITY MAP

1

Plate



APPROXIMATE SCALE IN FEET

SHEPARDSON
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Geotechnical Consultants:
Engineers-Geologists

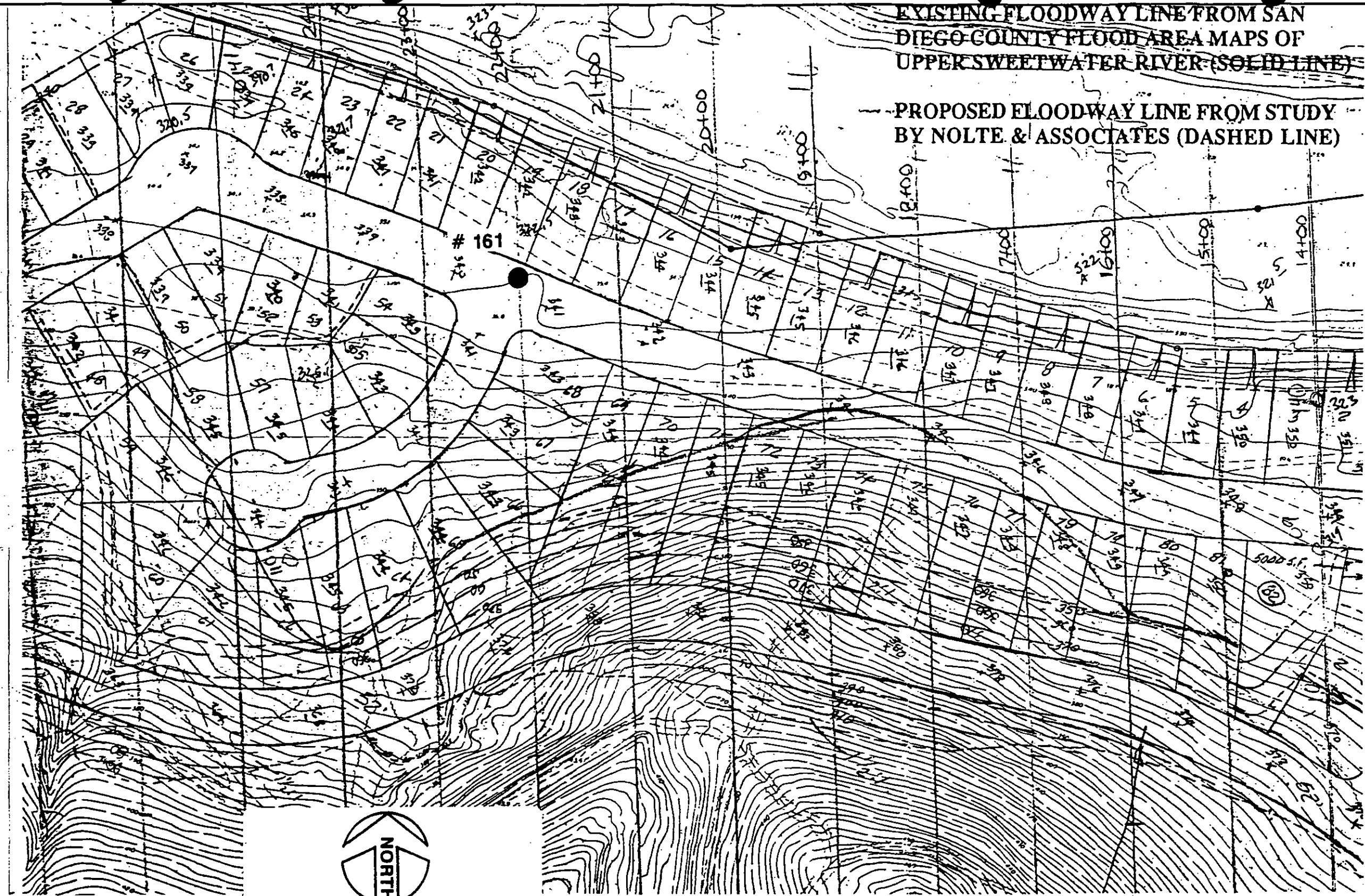
Job Number: 91187-01 Date: MAY '92

JAMACHA VILLAGE WEST
MONITORING WELL LOCATIONS

Plate
2

EXISTING FLOODWAY LINE FROM SAN
DIEGO COUNTY FLOOD AREA MAPS OF
UPPER SWEETWATER RIVER (SOLID LINE)

PROPOSED FLOODWAY LINE FROM STUDY
BY NOLTE & ASSOCIATES (DASHED LINE)



APPROXIMATE SCALE IN FEET



SHEPARDSON
ENGINEERING ASSOCIATES INC.

Geotechnical Consultants:
Engineers-Geologists

Job Number: 91187-01

Date: MAY '92

JAMACHA VILLAGE WEST

MONITORING WELL LOCATIONS

Plate


3

LOG OF TEST BORING NO. B-159

Drilling Date(s): 06/02/92 / 06/02/92 Drilling Equipment: R-61 Surface Elevation: -346'
 Logged By: bmb Method/Hole Size: Hollow-stem auger/8" Bottom Elevation: -321'

Depth (feet)	Sample Type	Head Space Volatiles (ppm)	Dry Density (pcf)	Moisture Content (%)	Lab Tests	USCS	Graphic Log	MATERIAL DESCRIPTION	Instrumentation
2						SM		Colluvium (Qcol): silty fine sand with clay, medium dense, moist, red brown	
4						SC		transition to clayey sand	
6									
8									
10									
12									
14						SM		Colluvium (Qcol): silty fine sand, contains less clay, medium dense, moist, orange-brown to red-brown	
16									
18							▽	Groundwater noted at 18 feet during drilling	
20									
22									
24									
26								End of boring at 25 feet WELL DETAIL: installed 2" dia. .020 slotted PVC well screen between -25 and -15 feet, solid PVC to surface. Annular space backfilled with 2/16 well sand between -5.5 and -25 feet, bentonite seal from -5.5 to -1 foot, steel well cover installed in concrete at surface.	
28									

Please refer to symbols and note limitations shown on "Explanation of Logs"

 <p>SHEPARDSON ENGINEERING ASSOCIATES INC.</p> <p><i>Geotechnical Consultants: Engineers-Geologists</i></p>	Date: June, 1992	Project No.: 91187-04	Plate B1 1 of 1
	Log of Test Boring No. B-159 Jamacha Village West		

SEABL41 92