

937 FERNWOOD PACIFIC REPORTS

TOPANGA CANYON

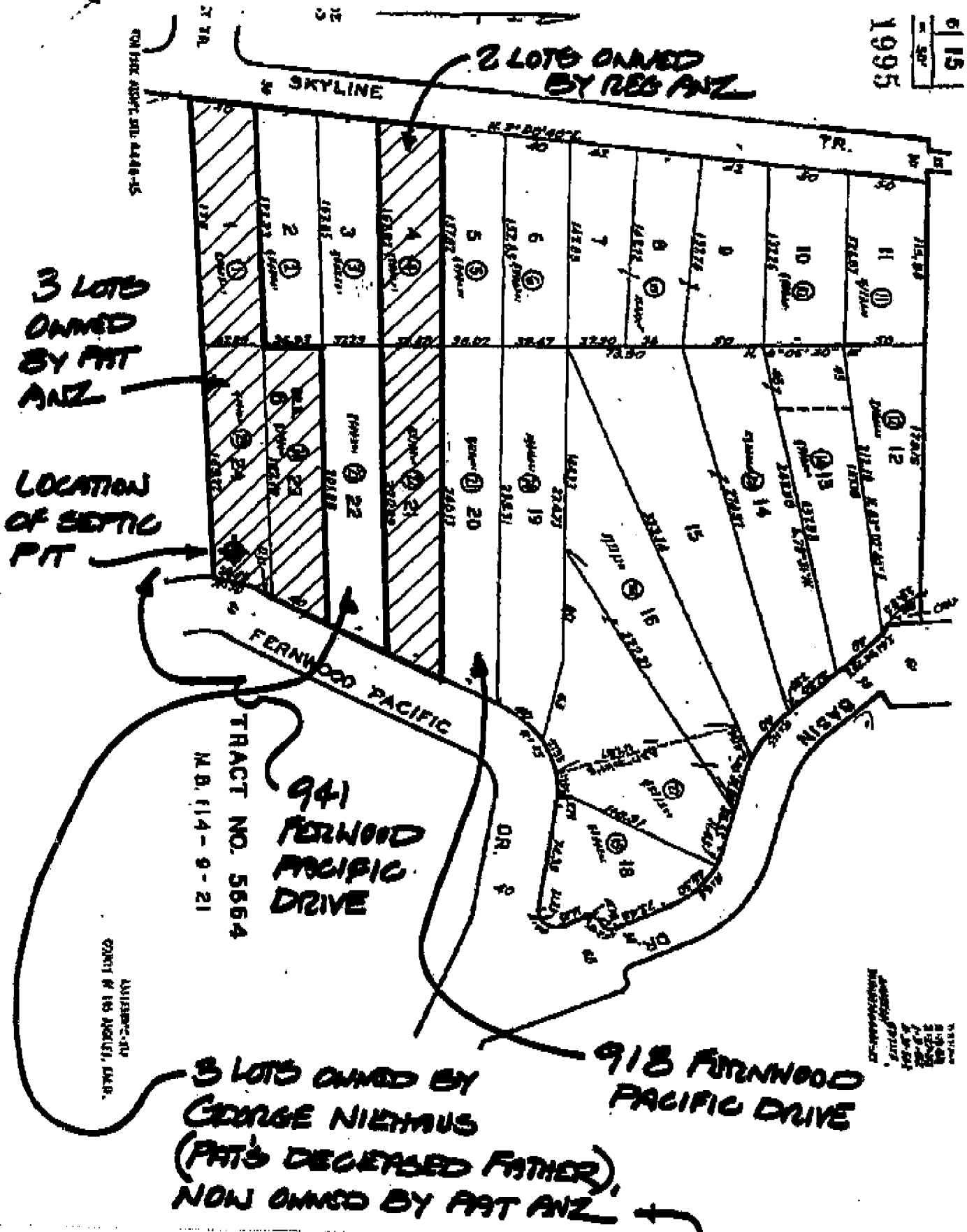


BILL BOWLING
PRUDENTIAL MALIBU REALTY
TOPANGA DIVISION
WWW.TOPANGALAND.COM

DEC. 6. 2005 7:03PM

HKS INC. UNSTAMPED

NO. 423 P. 3

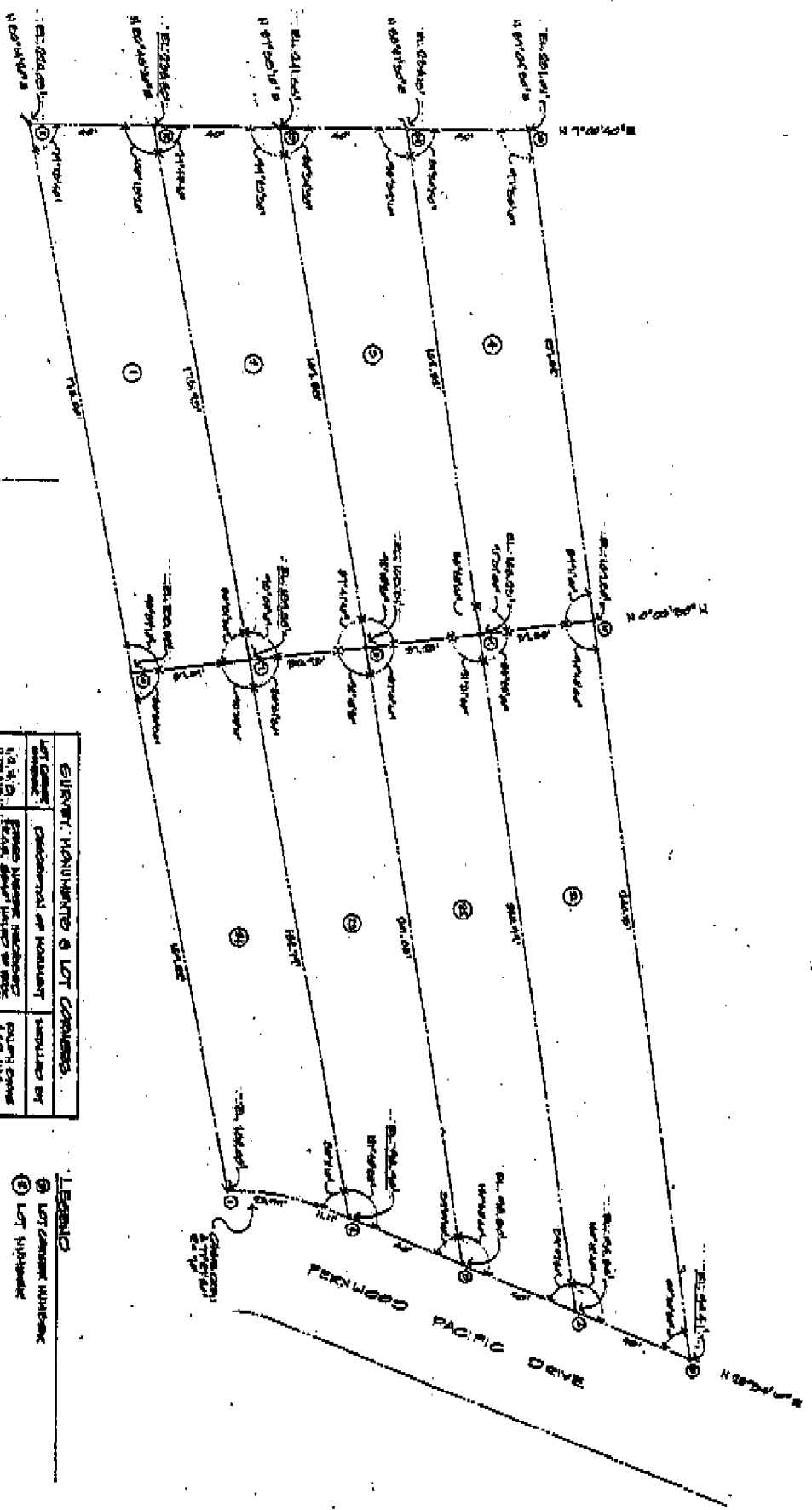
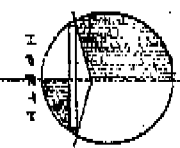


6/15
1995

AMERICAN...
COUNTY OF LOS ANGELES, CALIF.

AMERICAN...
COUNTY OF LOS ANGELES, CALIF.

SILVERY WORK SHEET
Block 100-100
Tract 5004-Block 5



SILVERY, HUNTINGTON & LOT CORNERS.			
LOT CORNER	DESCRIPTION OF MONUMENT	LOCATED BY	
1/2 S. 1/2	Corner Monument (Section 10, Block 100)	Survey 1000	1000
1/2 S. 1/2	Corner Monument (Section 10, Block 100)	Survey 1000	1000
1/2 S. 1/2	Corner Monument (Section 10, Block 100)	Survey 1000	1000
1/2 S. 1/2	Corner Monument (Section 10, Block 100)	Survey 1000	1000
1/2 S. 1/2	Corner Monument (Section 10, Block 100)	Survey 1000	1000
1/2 S. 1/2	Corner Monument (Section 10, Block 100)	Survey 1000	1000
1/2 S. 1/2	Corner Monument (Section 10, Block 100)	Survey 1000	1000
1/2 S. 1/2	Corner Monument (Section 10, Block 100)	Survey 1000	1000
1/2 S. 1/2	Corner Monument (Section 10, Block 100)	Survey 1000	1000

- LEGEND**
- ① LOT CORNER MONUMENT
 - ② LOT SUBDIVISION

NOTE

THE SILVERY, HUNTINGTON, MONUMENTS BY CORNER AT THE LOT CORNERS INDICATED ON THIS PLAN ARE CORRECT AS NOTED.

OWNER: PERWOOD PACIFIC DRIVE

PERWOOD PACIFIC DRIVE
1000 PERWOOD PACIFIC DRIVE
LOS ANGELES, CALIFORNIA
(213) 475-1501

PERWOOD PACIFIC DRIVE
1000 PERWOOD PACIFIC DRIVE
LOS ANGELES, CALIFORNIA
(213) 475-1501

TRACT No 5664

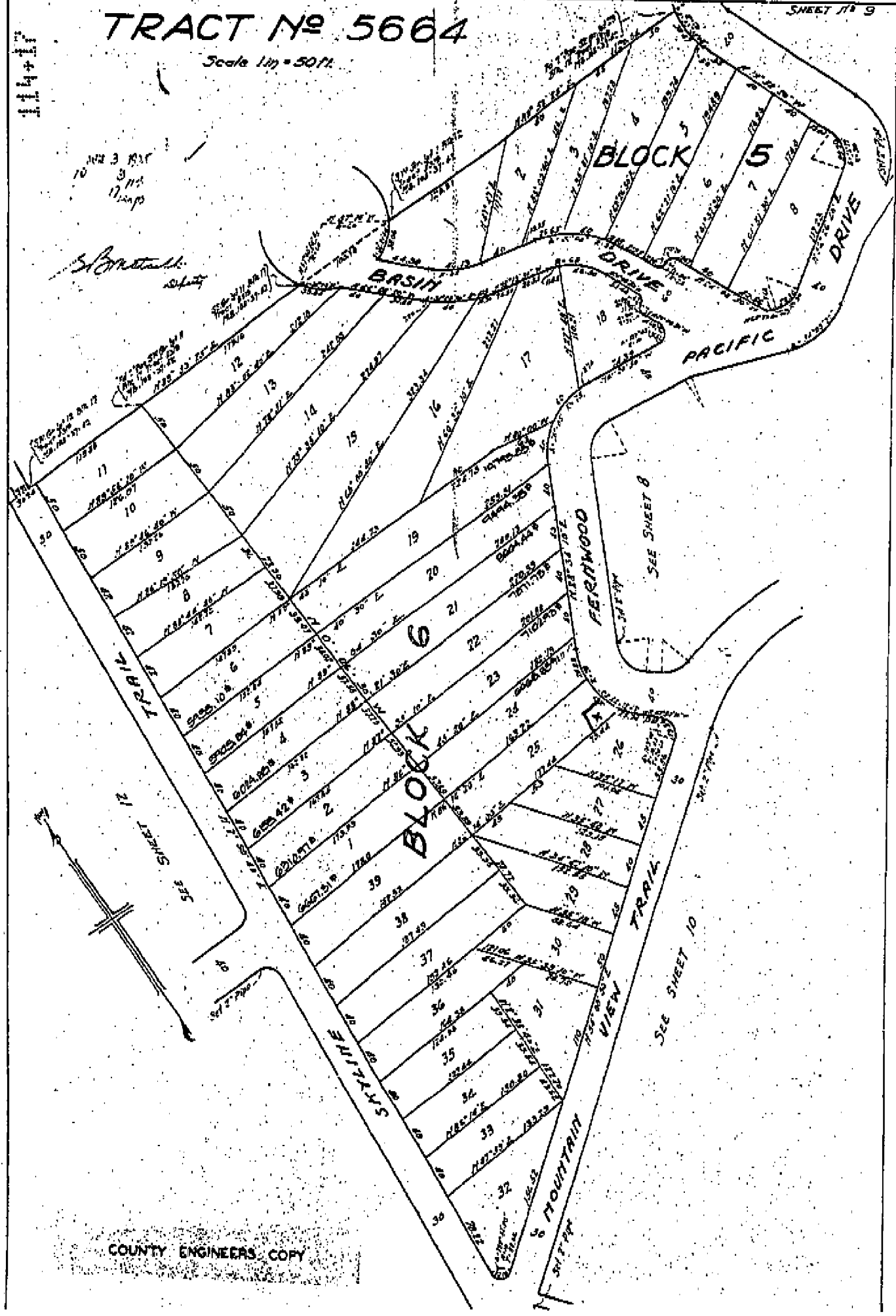
Scale 1" = 50'.

SHEET 11 9

114+11

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Stonewall



COUNTY ENGINEERS COPY

DAVID L. RIGGLE CONSULTING SANITARIAN
28832 GRAYFOX ST., MALIBU, CA 90265
213-457-2054

TRANSMITTAL FORM

TO: MIC REG ANZ
1008 5TH ST. No 1
SANTA MONICA CAL 90403

DATE: APRIL 28, 1987

ATTENTION: REG ANZ

PROJECT: 939 FERNWOOD PACIFIC, TOPANGA

THE FOLLOWING ARE ENCLOSED: Copy of percolation test result & calculations, key for lock, statement

PURPOSE: FOR YOUR USE FOR YOUR APPROVAL

REMARKS: I can proceed for Health Service approval when you are ready to proceed.

THANK YOU,
David L. Riggle
DAVID L. RIGGLE
REGISTERED SANITARIAN

C.C. _____

DATE: 2-3-87

(213) 457-2054

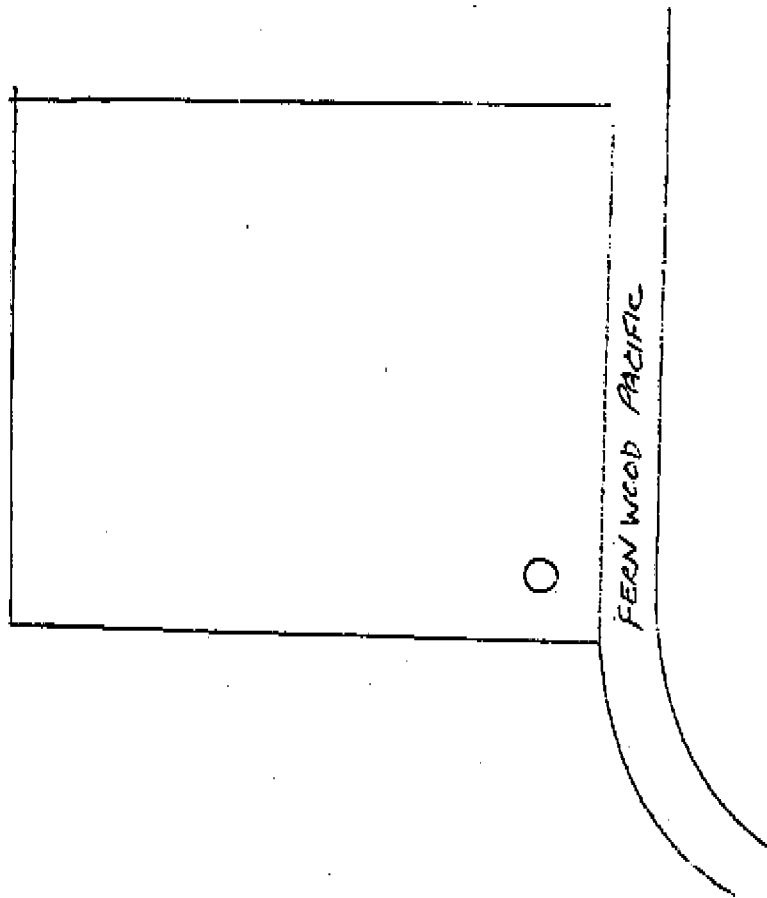
PAGE 1 OF 2

PROJECT: 939 FERNWOOD PACIFIC, TDPANGA

REG ANZ



NO SCALE



DAVID L. RIGGLE, CONSULTING SANITARIAN

28832 Grayfox Street, Malibu, CA 90265
213-457-2054

DATE: 2-3-07

2 OF 2

PROJECT: 939 FERNWOOD PACIFIC, TOPANGA CYN

PERCOLATION TEST DATA

TEST HOLE NO. 1 SIZE AND DEPTH 2' x 20' METER READING/VOLUME USED

DATE	TIME	DISTANCE TO WATER	FINISH
PRESOAK	<u>1-31-07</u> <u>8 PM</u>		<u>483 CU.FT</u>
START OF PRESOAK	<u>2-2-07</u> <u>8:31 AM</u>	<u>19'</u>	<u>70</u>
START TEST	<u>2-2-07</u> <u>8:31 AM</u>	<u>12' @ 9:40 AM</u>	<u>413 CU.FT</u>
END TEST	<u>2-3-07</u> <u>9 AM</u>	<u>10'</u>	<u>GALS: 3089</u>
			<u>WATER VOL. IN PIT AFTER TEST <u>1 FT @ 23 1/2 G</u></u>

REMARKS: UNLINED PIT - SOIL SANDSTONE

PERCOLATED WATER LOSS (SEE TEST DATA)

TOTAL GALLONS USED	<u>3089</u> GALLONS
WATER IN PIT AFTER TEST	<u>23</u> GALLONS
TOTAL LOSS	<u>3066</u> GALLONS

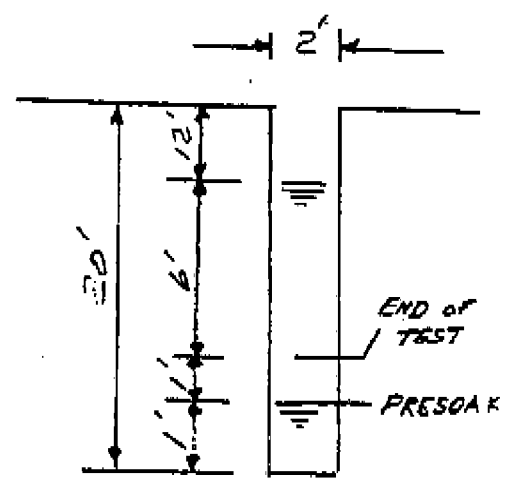
AREA OF PERCOLATION

$A = \pi D = \pi (2') = 6.28$ SF/FT OF DEPTH

TOTAL AREA = 6.28 SF X 15' FT = 94.2 SF

RATE: 3066 GPD \div 94.2 SF = 32.55 GPD/SF

SEWAGE RATE: 32.5 GPD/SF \times 5 = 6.5 GPD/SF



PIT TANK CAPACITY: 1500 GALS.

VOLUME: 1500 GALS. \times 5 = 7500 GALS. \div 766.5 GALS. LOSS = 1 PITS REQUIRED

RATE: 1500 GALS. \div 230.7 SF \times 6.5 GPD/SF = 230.7 SF REQUIRED IN PIT

230.7 SF \div 15.7 SF (D) = 14.7' TOTAL DEPTH

GALS/PIT: (D) X (BI) = SF X (RATE) =

WIDE: 1 - 5' X 15' BI SEEPAGE PITS

1 - 5' X 15' FUTURE PIT LOCATIONS

Ratio: 94.2 . 235.5 . . .

MAHAFFEY DRILLING

January 26, 1987

Reg Anz
1008 5th Street, #1
Santa Monica, California 90403

Gentlemen:

DON H. MAHAFFEY DRILLING COMPANY proposes to furnish to you a Watson 3000 16 Truck Mounted Auger Rig, #912, operated and maintained for the drilling of pilings/caissons at the following location: Residence, 939 Fernwood Pacific Drive, Topanga Canyon, California

In consideration for the furnishing and operating of said equipment, you agree to pay DON H. MAHAFFEY DRILLING COMPANY at the rate of \$940.00 for a minimum four (4) hour day or \$1,380.00 for a minimum eight (8) hour day, C.O.D., for the time said equipment is being loaded and unloaded, transported to and from the job site, and for the time said equipment is operating at the job site or standing by for purpose of operation.

If you require extended working hours, you agree to pay overtime premium in addition to the hourly rate as follows:


Hours over eight and up to eleven, or Saturday: \$ 55.00 Hourly
Hours over eleven, or Sunday: \$110.00 Hourly

Dirt pilot bits and teeth will be charged additional to the hourly rate at \$25.00 each. Carbide pilot bits and teeth will be charged additional to the hourly rate at \$50.00 each.

We are not responsible for furnishing: 1) casing, 2) cribbing, 3) hole covers, 4) sonotube 5) lines, 6) grades, 7) elevations, 8) layout, 9) engineering, 10) spoils removal, 11) inspection, 12) testing, 13) rights-of-way; and, 14) easements, under this agreement. If you wish DON H. MAHAFFEY DRILLING COMPANY to include any of the above items, it will be negotiated separately.

DON H. MAHAFFEY DRILLING COMPANY assumes no responsibility for any damages to curbs, sidewalks, pavements, landscaping, trees, or to any underground utilities. Advance preparations should be made by others to preserve or maintain these items prior to our mobilization.

Scheduling of equipment should be made as far in advance as possible so that work schedules can be met. Either party may cancel this agreement with twenty-four (24) hour written notice.

INITIAL  For DON H. MAHAFFEY DRILLING COMPANY

INITIAL  For REG ANZ

PAGE 11--

DON H. MAHAFFEY DRILLING COMPANY
RENTAL AGREEMENT

It is understood and agreed that the equipment and operators will work under your direction and control, within safe limits. DON H. MAHAFFEY DRILLING COMPANY will maintain in effect, during this agreement, liability and worker's compensation insurance covering the equipment and operators.

Daily work tickets will be furnished by us for you to acknowledge the hours that said equipment is being transported to and from the job site and is in operation. If for any reason you do not agree with the hours set forth on the work tickets and the disagreement cannot be resolved with our equipment operator, please call our offices to discuss the matter with an executive of the company. It shall be the responsibility of the Contractor or representative to acknowledge or dispute work tickets on a daily basis. Failure to do so constitutes acceptance of all time as listed on daily work ticket. Contractor relinquishes all rights to challenge work tickets not signed on a daily basis.

You will be invoiced for the services performed by DON H. MAHAFFEY DRILLING COMPANY in accordance with the hours reflected on the daily work tickets. This project will be invoiced on a C.O.D. basis. Terms of payment are net C.O.D. If payment or any portion thereof is delinquent, you agree to pay, in addition to any and all delinquent amounts, 1.5% per month or 18% annual rate as liquidated damages on the unpaid balance, the parties acknowledging that such charges are reasonable considering all the circumstances existing on the date of this agreement, including the relationship of the charges to the range of harm to the DON H. MAHAFFEY DRILLING COMPANY that reasonably could be anticipated and the anticipation that proof of actual damages would be costly or inconvenient as a result of the failure to make payment when due. Failure to meet agreed payment schedule may be cause for cessation of work.

In the event of dispute between the parties as to the interpretation of this agreement or its performance, either party may demand that the dispute be submitted to binding arbitration. The demand shall be made in writing within thirty (30) days of said dispute and will be conducted under the rules of the American Arbitration Association. In the event that legal action becomes necessary to collect any money due and owing under this agreement, or that DON H. MAHAFFEY DRILLING COMPANY records a claim of mechanics lien against the real property where the work is to be performed, the prevailing party shall be reimbursed for all attorney's fees.

Please acknowledge your acceptance of this agreement by initialing and signing both copies. Retain one executed copy for your files and return the original to our office as soon as possible.

Thank you for letting us serve you.

DON H. MAHAFFEY DRILLING COMPANY

Above Terms Acceptable:

By: Salvatore D'Errico

By: _____

Salvatore D'Errico

For: Reg Anz

William Kaiser
& ASSOCIATES

(213) 741-2380
(213) 992-2645

GEOLOGICAL CONSULTANTS

Post Office Box 2068
Sepulveda, California 91343

July 25, 1978

Mr. Jim Papik
6916 Langdon Avenue
Van Nuys, California 91405

Reference: 78108 L 005

Subject: Geologic Report of Vacant Land
Lots 23 and 24, Block 6, Tract 5664, MB 114-9/21
On Fernwood Pacific Drive, Southwesterly of the
more Southerly Junction of Basin Drive with
Fernwood Pacific Drive, Topanga Canyon Area

Dear Mr. Papik:

Subject property was studied on several occasions, the last being on July 22, 1978. The purposes of the study were (1) to determine geological conditions within and near subject property, and (2) to relate those conditions to a plan to develop a single family dwelling along that part of the property which is nearest Fernwood Pacific Drive.

During the latest field studies interval the writer used a blue line reproduction of a topography map which was prepared by Spindler Engineering Corporation, 13720 Riverside Drive, Sherman Oaks, California 91423. The map was drawn to a scale of 1" to 10'.

Subsurface work was not done because the general area exhibits an adequacy of bedrock exposures--even under natural slopes. A second reason for not drilling (or backhoeing) is that the rocks in the area are noticeably hard. Remnant drill holes or shot holes along the cutslope for adjoining Fernwood Pacific Drive illustrate difficulties of excavation in times past when the county street was graded and improved.

Thirdly, the property was not drilled because the property was determined by the United States Geological Survey (and the writer) to be outside neighboring landslide areas. The governmental determination is shown on the open file map for the southern part of the Topanga Quadrangle which was prepared by the U. S. Geol. Survey.

Following field studies and office studies, the writer placed certain data and information on a brown line tracing of the Spindler Map. This tracing became the Geologic Map for this report. The brown line tracing, scaled at 1" to 10', was then reduced in scale to 1" to 20'. A copy of the latter accompanies this report.

A Profile Sheet was prepared, also. The profile was drawn commencing under Fernwood Pacific Drive and extending westerly through the mapped part of subject property. A copy of this Profile Sheet accompanies this report.

The reader is advised that subject property is about 450' deep and only about 80' wide. The intent of this report is to determine feasibility of construction of the frontal (easterly) part only.

GENERAL INFORMATION

Subject property lies within the western part of Los Angeles County, westerly of Topanga Canyon in and near the towns of Topanga and Fernwood (see Thomas Guide, p. 109). The property lies immediately westerly of and above a curved southerly ascending segment of Fernwood Pacific Drive. The property ascends in a west southwesterly direction at natural slope ratios, approximating 3:1. The once exception to the relatively flat 3:1 ratio would be in the road cut within Fernwood Pacific Drive. Along the northernmost part of the road cut, the cutslope is essentially vertically inclined 4' to 5'.

Currently, subject property is essentially natural terrain. In places the terrain is barren ground. In other places dense natural brush covers the slopes. Soil (sandy) when present is generally not more than 1' deep.

GEOLOGICAL CONDITIONS (U.S.G.S. OPEN FILE MAP)

Unit D lies under this general region. According to the U. S. Geol. Survey the formation is chiefly continental in origin. All stratal elements are sedimentary materials including certain tuff beds.

In this general region stratal elements are shown to strike south to north and dip about 15° downwards easterly--essentially parallel with the downwards easterly inclination of the natural slope. To the north, east, south and west there are alleged landslide areas which are underlain by elements of Unit D. However, in this general region of which subject property is a part, the terrain is not shown to be underlain by landsliding elements.

Faults, inferred faults and concealed faults seemingly are a part of a system of faults with similar trends. The map trend was determined to be about N 60° E plus or minus 10°.

GEOLOGICAL CONDITIONS ON SITE

Coarse grained sandstones lie under subject property. The sandstones are intercalated with less numerous conglomeratic elements. The presence of diverse sedimentary constituent particles determine the bedding elements of the bedrock, and not bedding planes. Thus, in places, only a kind of vague bedding plane can be determined. The bedrock as a formation does strike in a general-south to north direction. The bedrock does dip about 14° to 15° downwards easterly. The bedrock dip is essentially parallel with the natural slope inclination.

Sharply incised fault trends are observable within subject property. Certain sharp lines within the cutslope along Fernwood Pacific Drive can be traced in a west southwesterly direction across the natural terrain under subject property. Such trends are nearly parallel with the aforementioned regional fault trends. Hence, these sharp breaks in the bedrock are considered to be significant in any geological study of subject property and the region.

It could not be determined whether block movement of significant dimensions had taken place. Noting the absence of crushed rock next to the faults, it is concluded that movement along fault lines was restricted to inches. The dip of these fault ruptures is essentially vertical (90°).

ANALYSES OF CONDITIONS AND RECOMMENDATIONS

The (1) massiveness of the bedrock, (2) parallelism between bedrock dip and slope inclination, and (3) absence of sliding elements, indicate to the writer that subject property is stable land. Consequently, in the writer's opinion, a single family residence can be constructed on that part of the property which is nearest Fernwood Pacific Drive. However, certain restrictions are recommended herein.

The land next to Fernwood Pacific Drive should be cleared only sufficiently to remove loose soil and rock from the slope. In other words, construction of a single family residence should be on the natural slope and not on a deeply graded building pad which would require construction of cutslopes.

Provisions should be made to divert future surface waters about the residence, preferably towards the southerly side of the property. This southerly side is near a natural drainage draw and near an existing asphalt covered driveway.

Excavation into this bedrock will be difficult. However, if excavation is warranted, such as for construction of a garage along Fernwood Pacific Drive, then all excavations should be fully supported by retaining walls.

SANITARY SEWAGE FACILITIES

Disposal of sewage should be via a septic tank-seepage pit system. The pit should be placed within the southeasterly corner area. See the Geologic Map for location of the initial recommended pit. The pit should be placed where the bedrock is most fractured for (1) ease of excavation, and (2) for better dispersion in the subsurface of sewage influent.

The pit should be about 35' deep. The cap for the pit should be placed 10' below natural slope grade, so as to direct waters below street grade.

Additional pits can be placed 10' or more southerly of the initial pit if it is determined that the initial pit is not in sufficiently permeable bedrock. The initial pit will most likely require jack hammering to its 35' depth.

CONCLUSIONS AND RECOMMENDATIONS

The easterly half of subject property is considered to be a buildable site, along Fernwood Pacific Drive. It is recommended that any building plans for subject property be studied by an engineering geologist in order to assure that the plans meet the recommendations made herein.

All plans must follow pertinent provisions of the Building Code and the Health Code of the County of Los Angeles. The site must be approved by the California Coastal Commission, also.

All conditions of approval in any forthcoming letters from any of the above agencies must be followed.

Very truly yours,

WILLIAM WAISGERBER & ASSOCIATES



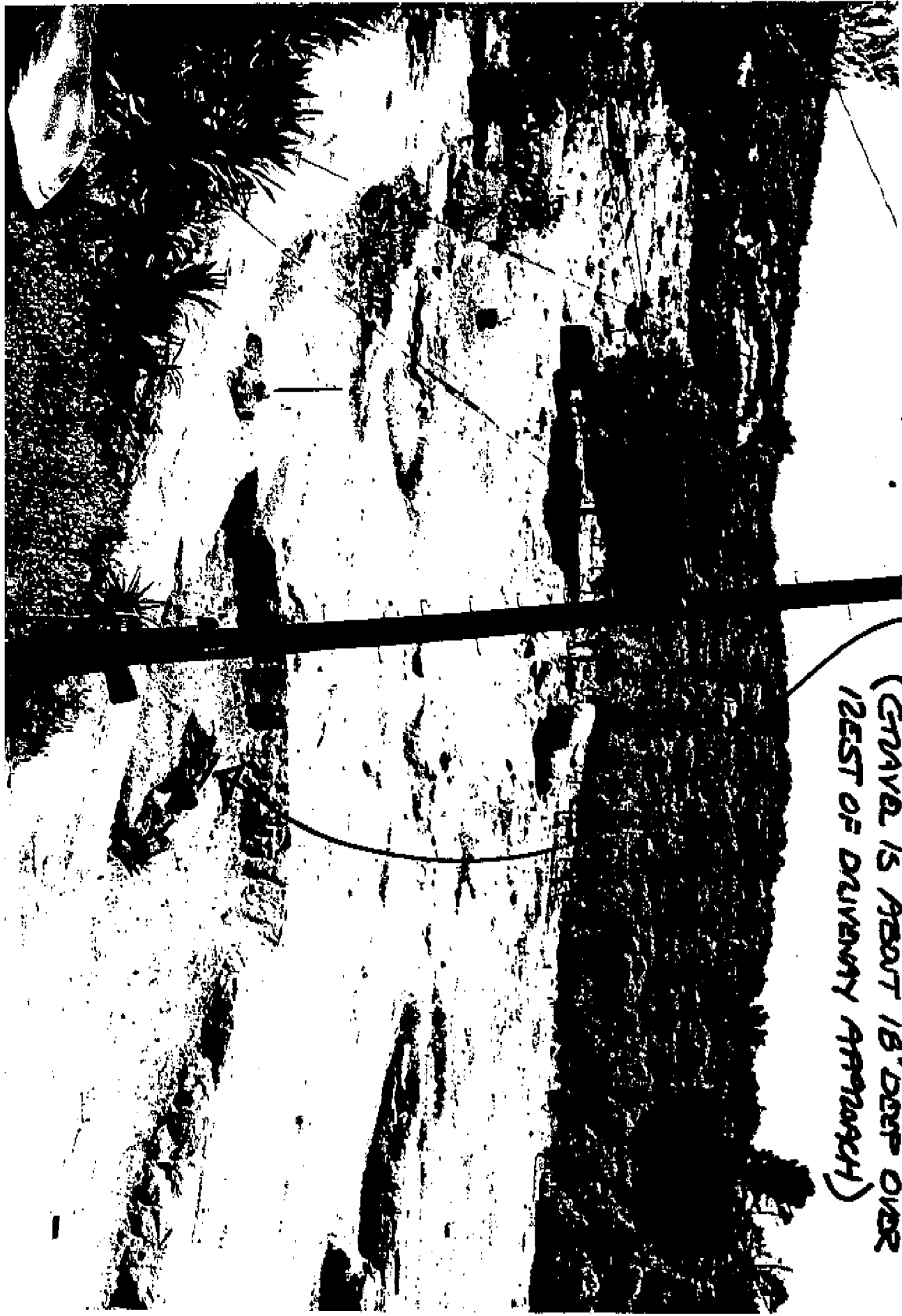
William Waisgerber
Engineering Geologist
State of California EG No. 33

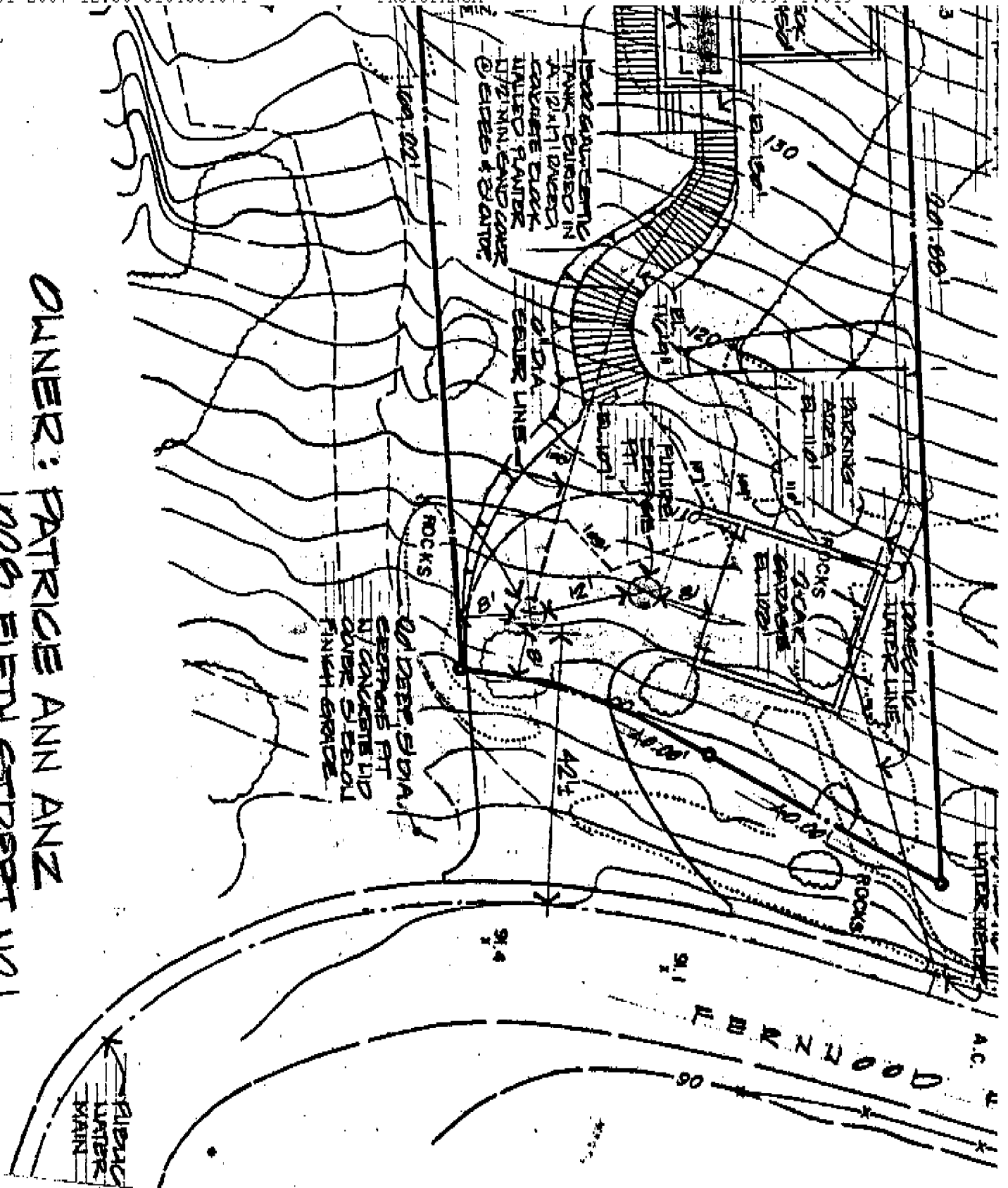
WW:lv
(10)

Attach: Geologic Map (1)
Profile Sheet (1)

NOTE: BE VERY CAREFUL
 IF A PICK IS USED TO REMOVE
 GRAVEL TO FIND BUILDED GWC.
 LID - IT WOULD CRACK IT!

LOCATION OF EXISTING SEPTIC
 PIT - 5' DIA. CONCRETE LID IS
 APPROX. 3' BELOW TOP OF GRAVEL
 (GRAVEL IS ABOUT 18" DEEP OVER
 REST OF DIVERTED APPROACH)





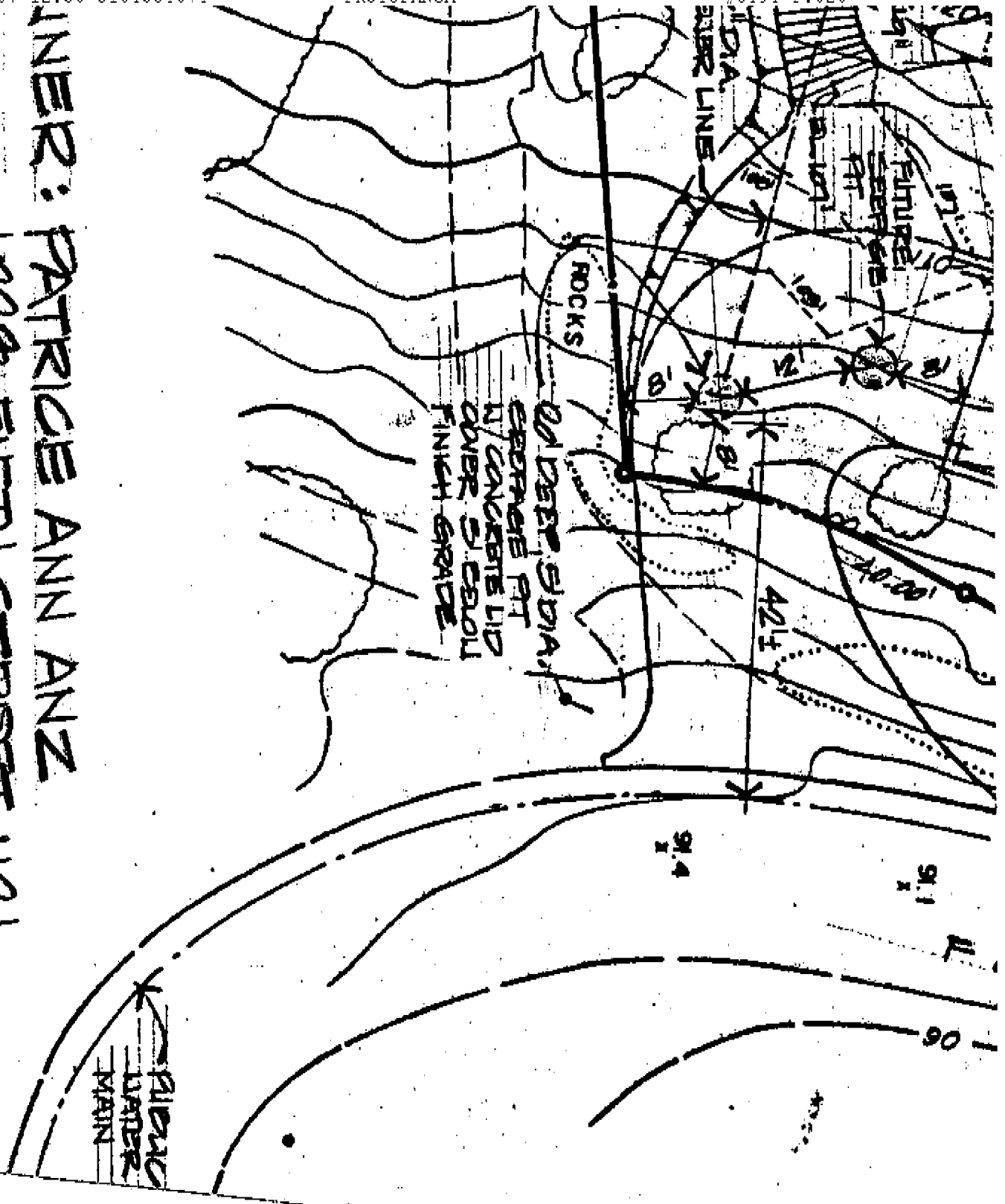
OWNER: PATRICE ANN ANZ
 1008 FIFTH STREET NO.1
 SANTA MONICA, CA. 90403
 (310) 305-5772

SEWAGE DISPOSAL SYSTEM

SCALE: 1/32" = 1'-0"

939 FERNWOOD PACIFIC DRIVE
 TOPANGA, CALIFORNIA

OWNER: PATRICE ANN ANZ
 1008 FIFTH STREET NO.1
 SANTA MONICA, CA. 90403
 (415) 395-5202



SEWAGE DISPOSAL

SCALE: 1/32" = 1'-0"

939 FERNWOOD PACIFIC DRIVE
 TOPANGA, CALIFORNIA

24 SEPT 87

DAL -

I HAVE ENCLOSED COPIES OF OUR FORMER AGREEMENT FOR YOUR REVIEW AND RECORDS. AS YOUR COMPANY IS NOW FAMILIAR WITH THE JOBSITE CONDITIONS AT THIS PROJECT, I WOULD MUCH PREFER TO WORK ON THE BASIS OF A TOTAL FIXED FEE, IF AT ALL POSSIBLE. GARY CHRISTENSEN (SR-?) STATED AT THE TIME THAT HE WOULD BE GLAD TO RETURN AND REAM THE HOLE OUT TO 5' FOR THE SAME AMOUNT PAID FOR THE ORIGINAL 2' DIAMETER PIT (\$3700⁰⁰).

THE ENLARGED PIT MUST BE 5' IN DIAMETER, 21' DEEP (THE SAME DEPTH AS BEFORE) AND DRILLED WITH CARESIDE TOOTH IN A ROCK AUGER, UTILIZING THE SAME DRILLING RIG (OR AT LEAST ONE NO SMALLER). THE NEW PIT MUST ALSO BE DRILLED SLIGHTLY OFFSET FROM THE ORIGINAL AS SHOWN ON THE ATTACHED SKETCH.

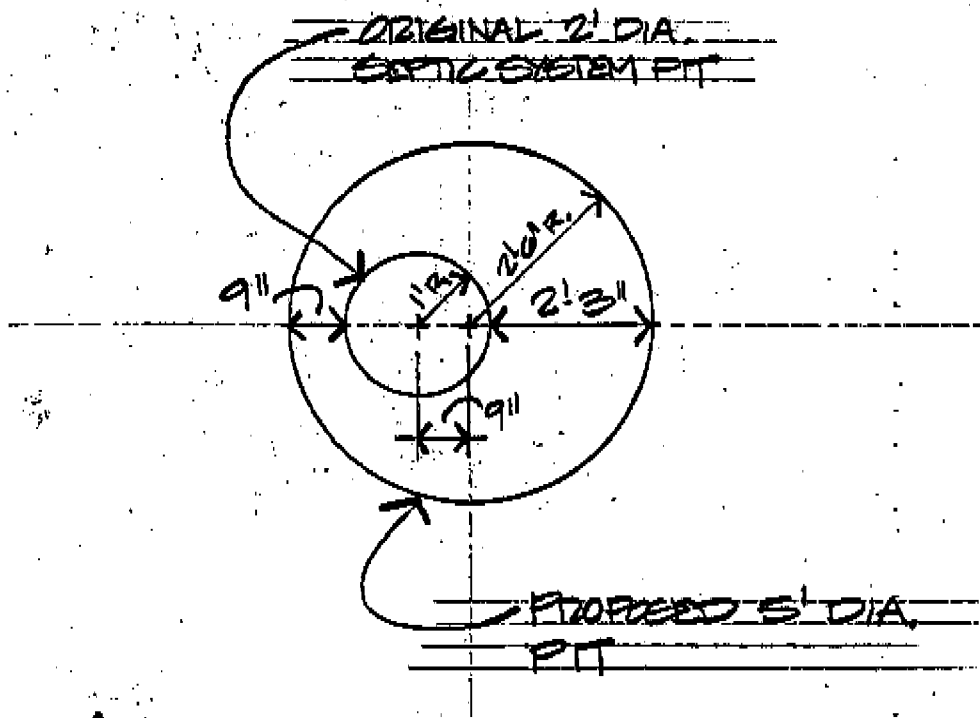
THIS PIT IS THE FIRST OF THREE WHICH I INTEND TO ULTIMATELY DRILL ON THIS EIGHT-LOT PARCEL, AS A PROJECT MANAGER WITH

JOBSITE CONDITIONS AT THIS PROJECT, I WOULD MUCH PREFER TO WORK ON THE BASIS OF A TOTAL FIXED FEE, IF AT ALL POSSIBLE. GARY CHRISTENSEN (SE-?) STATED AT THE TIME THAT HE WOULD BE GLAD TO RETURN AND REAM THE HOLE OUT TO 5' FOR THE SAME AMOUNT PAID FOR THE ORIGINAL 2' DIAMETER PIT (\$3760⁰⁰).

THE ENLARGED PIT MUST BE 5' IN DIAMETER, 21' DEEP (THE SAME DEPTH AS BEFORE) AND DRILLED WITH CARBIDE TOOTH IN A ROCK AUGER, UTILIZING THE SAME DRILLING DIG (OR AT LEAST ONE NO SMALLER). THE NEW PIT MUST ALSO BE DRILLED SLIGHTLY OFFSET FROM THE ORIGINAL AS SHOWN ON THE ATTACHED SKETCH.

THIS PIT IS THE FIRST OF THREE WHICH I INTEND TO ULTIMATELY DRILL ON THIS EIGHT-LOT PARCEL. AS A PROJECT MANAGER WITH PECK/JONES CONSTRUCTION MANAGEMENT DIVISION, I NOTE THAT YOUR FIRM IS LISTED WITHOUT COMMENT, ON BOTH THE C.L. PECK AND JONES BROTHERS COMPUTERIZED SUBCONTRACTOR LISTS.

THANKS, 



ROBERT -
 THIS OFFSET WAS REQUIRED
 TO GET THE 8' CLEARANCE FROM
 THE ADJACENT PROPERTY LINES.

REO ANZ
24 FEB 07

TOFANGA PROPERTY
ACTIVITY LOG FOR MONDAY, 26 JAN 07,
SEPTIC PIT DRILLING

- 10:25AM MAHAFEEY PICKUP TRUCK ARRIVED WITH TWO MEN WHO IMMEDIATELY TURNED AROUND & WENT BACK DOWN HILL TO BRING UP RIG.
- 12:00 PM RIG SET UP AND DRILLING BEGINS WITH 24" DIA. ROCK AUGER BIT.
- 12:20 PM DRILLING STOPPED TO REPLACE ALL FOUR TEETH ON 24" DIA. DRILL BIT.
- 1:55PM ONE TOOTH REMOVED FROM 24" DIA BIT & BIT ITSELF REMOVED FROM RIG AFTER MAKING LITTLE PROGRESS IN DRILLING ROCK.
- 1:05PM 24" DIA. BIT REPLACED WITH 12" DIA. ROCK AUGER BIT - SLIGHTLY WORN TOOTH FROM 24" DIA. BIT USED TO REPLACE SINGLE TOOTH ON 12" BIT.
- 1:07 PM DRILLING BEGINS WITH 12" DIA. ROCK AUGER BIT.
- 1:17 PM DRILLER'S HELPER LEFT TO FIND REST ROOM ALONG TOFANGA CANYON BRK.
- 1:30 PM REPLACED TOOTH ON 12" AUGER WITH ANOTHER, SLIGHTLY WORN ONE FROM THE 24" BIT.
- 1:32 PM DRILLER'S HELPER RETURNED.
- 1:35 PM END OF KELLY BAR EVEN WITH FINISHED GRADE - 12" DIA. BIT NOW COMPLETELY IN HOLE.
- 1:55 PM REPLACED 12" DIA. BIT WITH 24" DIA. AUGER. OTHER TOOTH (#4) ON 24" DIA. ROCK AUGER REPLACED WITH MUCH THICKER, BLUE-PAINTED CARBIDES TYPE.

-15-

CARBIDE TEETH ALSO REPLACE SOFTER STEEL TYPE ROD #3 & #2. WELL WORN INSIDE TOOTH NOT REPLACED AS IT FALLS WITHIN THE 12" DIA. HOLE ALREADY DRILLED.

2:03PM DRILLING BEGINS WITH CARBIDE-TOOTHED 24" DIA. ROCK ALGER BIT.

2:20PM DAVE HOLEACK, L.A. CO. ELEC. INSPECTOR, ARRIVED FOR QUICK REVIEW OF ACTIVITY PER NEIGHBORS' TELEPHONE INQUIRY.

2:45PM PICKED UP 12 GALS OF WATER FROM FERNWOOD MARKET FOR USE WITH COREING BARREL. (SINCE WE HAVE NO ON-SITE WATER) PER MAHATTA'S SUPERINTENDANT'S (GARY?) SUGGESTION.

2:55PM 24" DIA. BIT ABOUT 3' DOWN INTO HOLE. CARBIDE TEETH SHOW LITTLE WEAR. REPLACED 24" DIA. ROCK ALGER BIT WITH 24" DIA. COREING BARREL. CORE DRILLING BEGINS, BIT ROCK ALGER IS STILL INCAPABLE OF REMOVING MATERIAL, EXCEPT IN POWDER FORM (BY GRINDING), WHEN IT IS LATER DETACHED.

3:42PM WORK STOPPED WITH 24" DIA. HOLE @ 4' DEPTH.

3:50PM WORKMEN LOCK UP DRILLING RIG & LEAVE SITE. WILL RETURN @ 8:00 A.M. TOMORROW TO CONTINUE DRILLING.

TOPANGA PROPERTYSEPTIC PIT DRILLING CONTRACTORS

1. P.O. & E. DRILLING CO.

(818) 768-8020

JIM LAGOS

- MET WITH JIM @ SITE ON 28 JAN 85 @ 10:00 A.M.
- 1800-2000 LB KELLY BAR RIG COSTS \$135⁰⁰/HR.
- LARGER 6000 LB. KELLY BAR RIG COSTS \$225⁰⁰/HR. WITH AN 8-HR. MINIMUM.

2. MAHAFFEY BROS DRILLING CO.

(213) 321-2611

BOB JEFFERS

- RIG CAPABLE OF CODING AND DRILLING A 2' DIA. TEST HOLE IN ROCK COSTS \$200⁰⁰/HR.
- LARGER RIG IS \$235⁰⁰/HR. ($\$235^{00} \times 8 = \1880^{00} /DAY MIN.)
- BOTH SUPPOSEDLY HAVE HYDRAULIC FULL-DOWN CAPACITY.

3. ZONER DRILLING CO.

- ACCORDING TO LARRY FINLEY, THEY HAVE A SMALLER DRILLING RIG WITH FULL-DOWN CAPACITY IF THE OVERHEAD POWER AND TELEPHONE LINES @ THE STREET BECOME A PROBLEM.

-2-

4. C & F SEPTIC SYSTEMS

- ACCORDING TO LARRY FINLEY, THEY HAVE A BUCKET (AS OPPOSED TO A CORING RIG) WITH FULL-DOWN CAPACITY WHICH MIGHT WORK.

NOTES:

- * LARRY FINLEY BELIEVES MAHAFFEY BROS. HAD RIGS WHICH CAN DRILL THROUGH ROCK WITH LITTLE PROBLEM, BUT THEY ALSO HAVE A REPUTATION FOR SENDING OUT THE MINIMUM SIZED RIG IN ORDER TO EXTEND THE NUMBER OF HOURS ON SITE.
- * UNITS MUST HAVE HYDRAULIC FULL-DOWN CAPACITY TO BE ABLE TO CUT THROUGH THE ROCK - THIS PLACES WHOLE WEIGHT OF TRUCK (NOT JUST KELLY BAR) ON DRILL BIT. THE BIGGER THE RIG THE FASTER IT CAN BE DRILLED.
- * AN EXPERIENCED OPERATOR, SHOULD BE EMPLOYED WHO WILL BE CAREFUL NOT TO BREAK TEETH AND DAMAGE CORING BATTERY OR BIT.
- * LARRY HAS SEEN A 2' DIA. CONE-SHAPED DRILL BIT WITH CARBIDE SEKES WHICH MAY BE ABLE TO DRILL ROCK WITHOUT CORING.
- * MAHAFFEY SHOULD NOT CHARGE FOR TEETH @ \$235⁰⁰/HR. AND C.O.D. PAYMENT, ESPECIALLY SINCE HOLE LOCATION IS NOT CRITICAL. TWO DAYS INCLUDING SET UP SHOULD BE SUFFICIENT.

-3-

* LARRY BELIEVES WE SHOULD DRILL A 2' DIA. HOLE 20' DEEP AND FILL IT WITH ROCK. A FOAM PLUG SHOULD BE INSERTED 15' DOWN AND A 5' DIA. HOLE SHOULD THEN BE DRILLED 13' DOWN FOR THE MINIMUM LEGAL FIT-CAPPED 3' BELOW FINISH GRADE. "TERRY" @ NOTTINGHAM HAS 4' (MIN) DIA. CONCRETE FIT LINED WHICH REQUIRE 6" (MIN) CLEARANCE TO FIT WALL ALL AROUND.

ROBERT -

THIS IS PROBABLY A GOOD IDEA TO SAVE MONEY, IF A SECOND FIT HAS TO BE DRILLED. DRILLING A 5' HOLE WAS A LOT MORE EXPENSIVE THAN ONE 2' DIAMETER.

REG ANZ

20 JAN 87

TOPANGA PROPERTYSEPTIC PIT DRILLING & PERCOLATION TESTCOMMENTS FROM LARRY FINLEY'S TELECALL ON 28 JAN 07

- * LARRY DOESN'T RECOMMEND HIRING CROCKETT OR TRI-VALLEY DRILLING CO'S.
- * L.A. COUNTY REQUIRES AN ABSORPTION RATE OF 2000 GALS. (FOR A 24" DIA. HOLE) TO ACCOMMODATE A 3 BEDROOM HOUSE.
- * AN ABSORPTION RATE OF 3000-4000 GALS IS WHAT COUNTY OFFICIALS WOULD LIKE TO SEE - ANYTHING HIGHER MAY BE DEEMED TO BE TOO HIGH TO ALLOW FOR ADEQUATE FILTRATION OF THE EFFLUENT.
- * A 24" DIA. HOLE HOLDS APPROXIMATELY 25 GALS./FOOT THEREFORE, WATER IN THE HOLE MUST DROP AT LEAST 4' IN A ONE-HOUR PERIOD (2000 GALS./24 HOUR PERIOD @ 100 GALS FOR 4 FEET DROP PER HOUR)
- * PIT MUST BE PRESOAKED (FILLED TO WITHIN 4' OF TOP OF HOLE) WITHIN 24 HOURS PRIOR TO THE ACTUAL PERC TEST, IF HOLE CANNOT BE FILLED DUE TO RAPID DRAINAGE, THEN POURING IN 500 GALS. (CALC. OF CUMULATIVE) WILL SATISFY THE COUNTY'S REQUIREMENTS.
- * GEOLOGIST MAKING PERC TEST WILL GIVE ME A REPORT WHICH I WILL TAKE TO THE CO. OFFICE WHEN I APPLY FOR A SEPTIC PIT PERMIT.

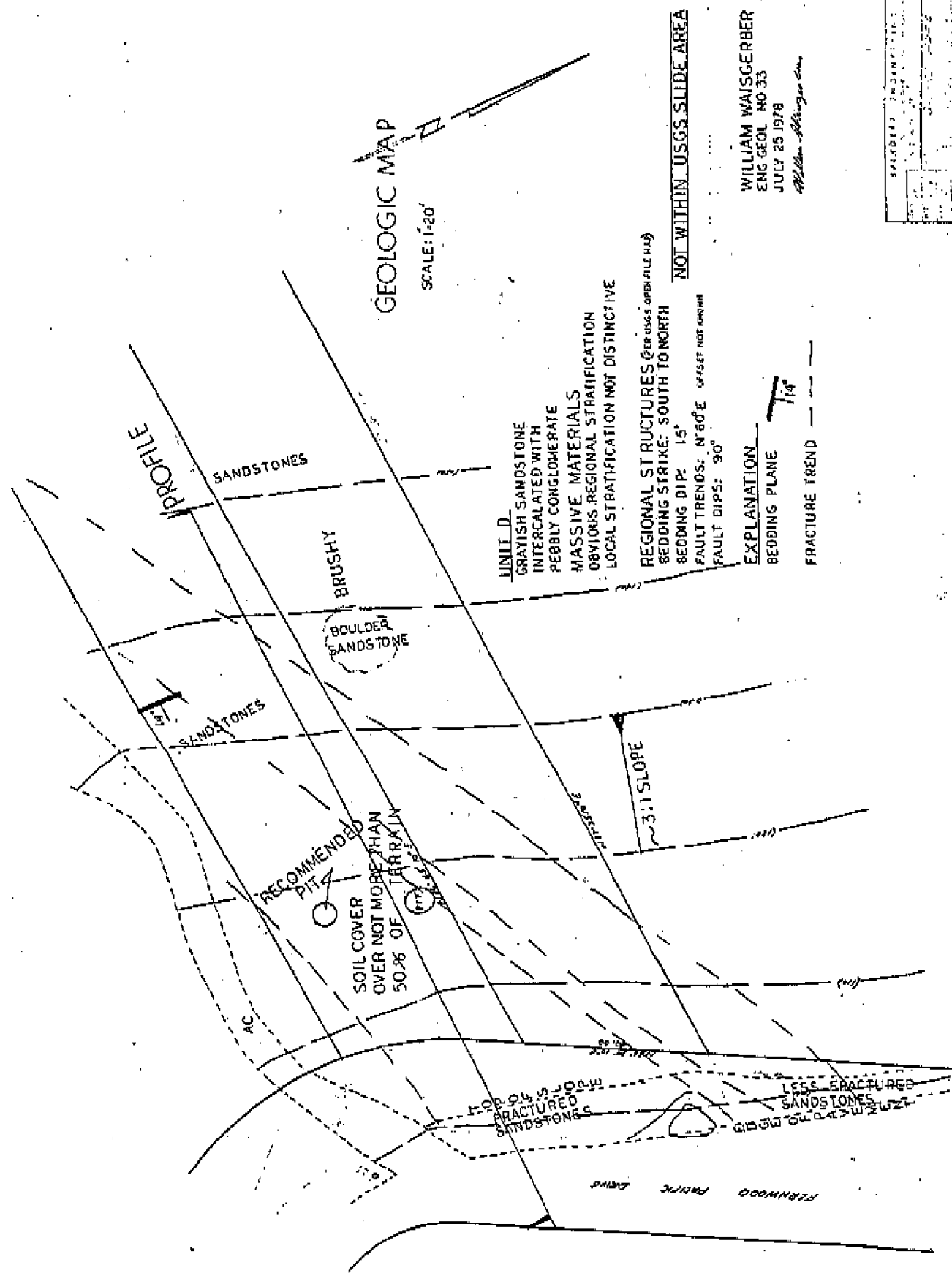
-2-

* TEMPORARY WATER METER ON HYDRANT READS
IN 10 CUBIC FOOT INCREMENTS ON ODOMETER-
TYPE GAUGE, WITH ONE CUBIC FOOT INCREMENTS
SHOWN BY THE DIAL'S POINTER (ONE REVOLUTION
EQUALS 10 CUBIC FEET).

* ONE CUBIC FOOT = 7.48 GALS.

REANZ

28 JAN 87



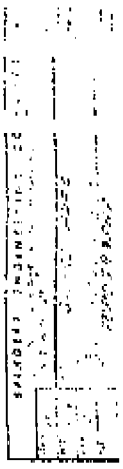
UNIT D
 GRAYISH SANDSTONE
 INTERCALATED WITH
 PEBBLY CONGLOMERATE
 MASSIVE MATERIALS
 OBVIOUS REGIONAL STRATIFICATION
 LOCAL STRATIFICATION NOT DISTINCTIVE

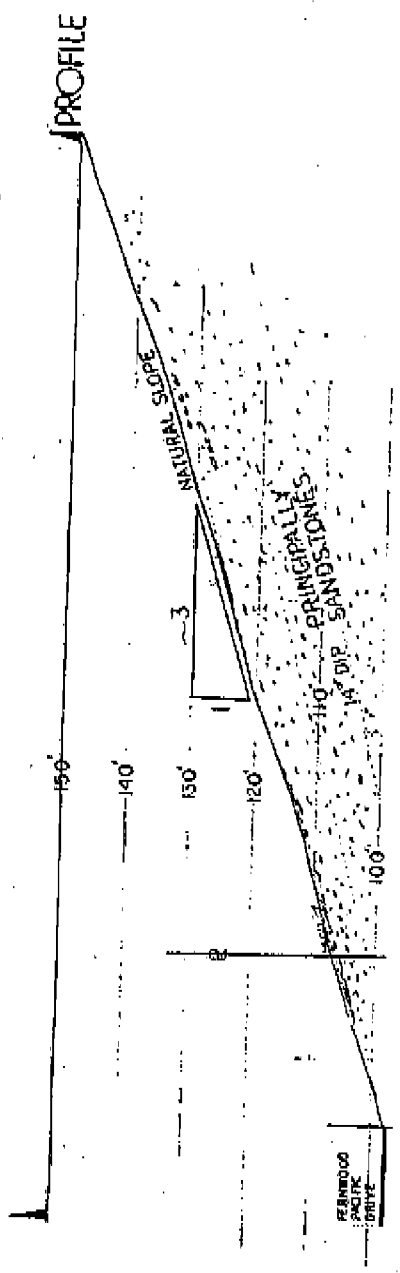
REGIONAL STRUCTURES (SEE USGS OPEN FILE MAP)
 BEDDING STRIKE: SOUTH TO NORTH
 BEDDING DIP: 15°
 FAULT TRENDS: N 80° E OFFSET NOT SHOWN
 FAULT DIPS: 90°

NOT WITHIN USGS SLIDE AREA

WILLIAM WAISGERBER
 ENG GEOL NO 33
 JULY 25 1978
William Waigberger

EXPLANATION
 BEDDING PLANE $\frac{1}{15^\circ}$
 FRACTURE TREND $\frac{1}{15^\circ}$





LOTS 23124
 BLOCK 6 TRACT 5664
 MB 114-92E
 LOS ANGELES CO
 TOPANGA CANYON AREA

WILLIAM WAISGERBER
 ENG. GEOLOGIST NO. 33
 JULY 25 1978
W. Waingerber

SCALE: 1"=20'