



NEWDOC

**DEH APN FILE TARGET SHEET
ARCHIVE RECORD
Pre-KIVA & Existing APN Records**

Document Name: LARC _____
(LARC_KIVA Per Num_APN)

Document Type: Legacy Septic System Documents

APN(s) 188-250-42

Number of Pages: 7

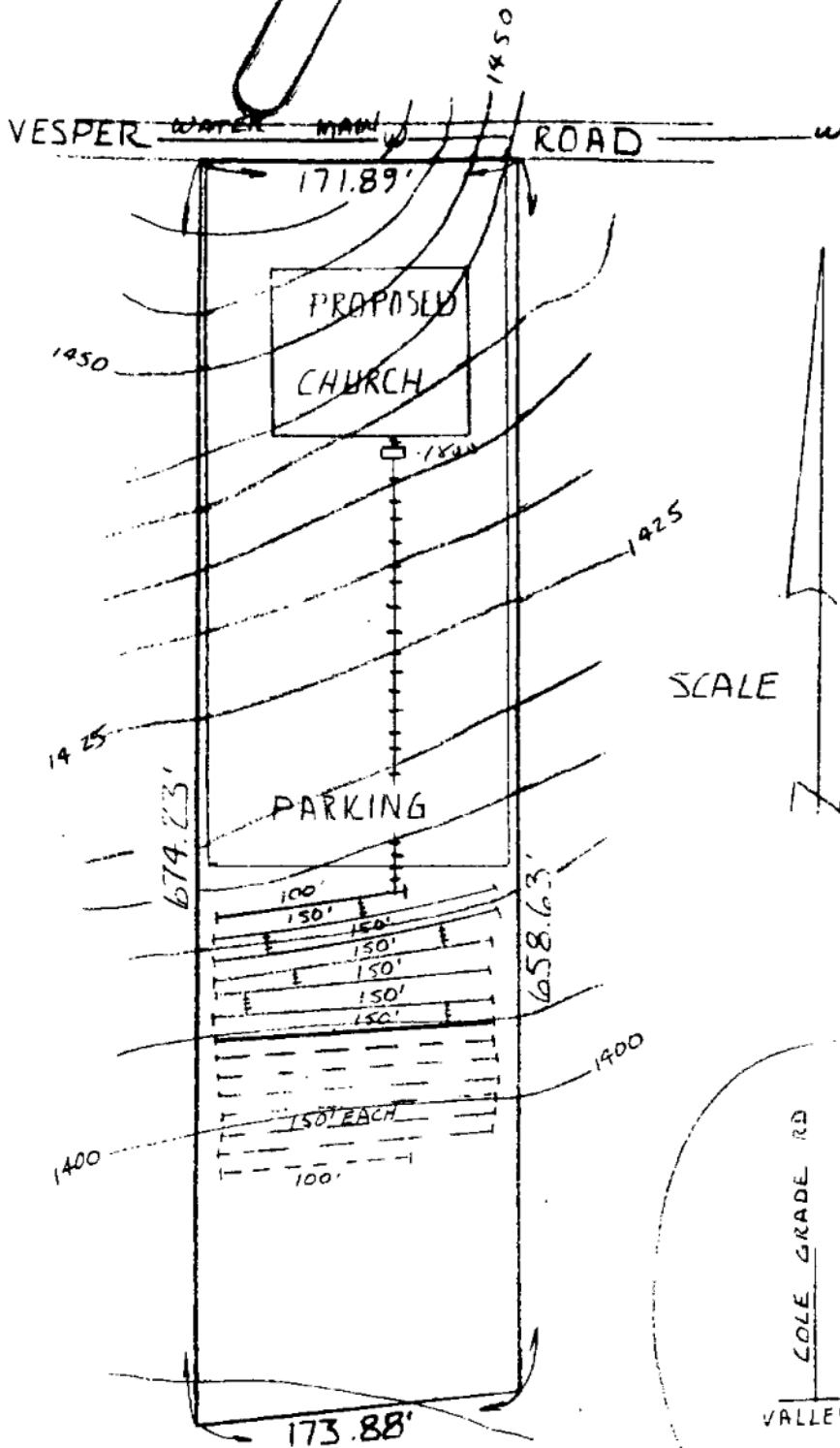
Document Prepared by: EK

Document Preparation Date: 10-5-11

Office Source: San Marcos

19441

188-250-42



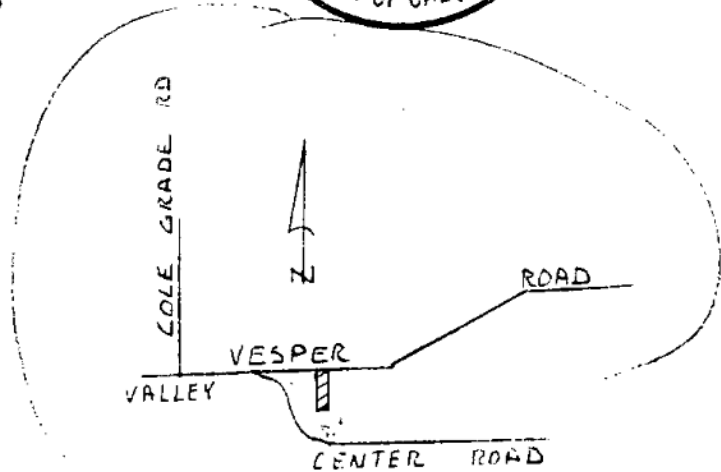
PROPOSED 1000' LEACH FIELD
WITH 100% RESERVE

OWNER: NORTHEASTERN CALIF.
CONFERENCE OF SEVENTH-DAY
ADVENTISTS.
4707 MAGNOLIA AVE.
RIVERSIDE, CALIF. 92503

LEGAL: PARCEL 2 OF PM
7367 E.B. AKINS & CO.

PREPARED BY:
PROPERTY DEVELOPMENT ENGINEER
JOHN VERNON & ASSOCIATES
1859 S. Escondido Blvd.
Escondido, CA 92025
743-8808

SCALE 1" = 100'



VICINITY MAP

I CERTIFY THAT THE LAYOUT DRAWING
SHOWS THE LOCATION OF ALL PUBLIC
WATER LINES ON THE LOT AND ALL
PUBLIC WATER LINES THAT ARE
WITHIN 20 FEET OF THE LOT
BOUNDARIES.

9/25/79

REVIEWED / FIELD CHECKED

K. Hilman

JULY 6, 1979

SEVENTH DAY ADVENTIST CHURCH -
SUBMITTED BY JOHN VERNON & ASSOC.

1800 GAL. TANK

1000' OF TILE LINE.

N.C.

VCMWD

PM 7367, PCL 2, E.B. AKINS & CO.

J. Coston, P.E.

188-250-42

JOHN VERNON & ASSOCIATES
1859 S. ESCONDIDO BLVD.
ESCONDIDO, CA 92025
TEL. (714) 743-8808

LEACH LINE CALCULATIONS

SEVENTH DAY ADVENTIST CHURCH
VESPER RD., VALLEY CENTER, CA.

MAXIMUM SEATING=216 PERSONS
216 PERSONS x 5 GAL/DAY/PERSON = 1080 GAL/DAY

PERC DATA PER ANDREW MACHEN
PARCEL 2 OF PM 7367

AVG. PERC RATE = $(58+14+12+23) \div 4 = 27$ MIN/INCH ✓

ABSORPTION RATE = $Q = 5/\sqrt{27} = 0.97$ GAL/SF/DAY
1080 GAL/DAY / 0.97 GAL/SF/DAY = 1120 S.F.
1120 S.F. / 1.5 S.F./L.F. = 750 L.F. OF LEACH LINE

SAFETY FACTOR

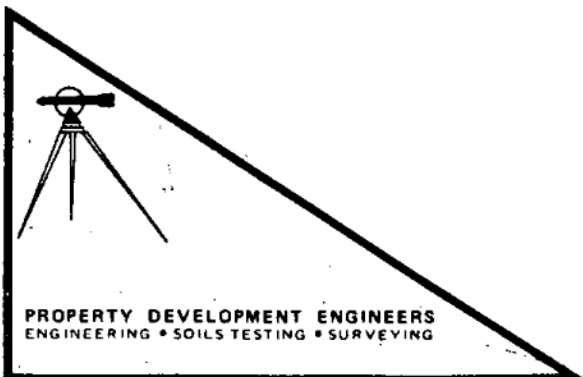
FOR A 3 BEDROOM RESIDENCE @ 150 GAL/DAY/BEDROOM SAN 14 CALLS
FOR 410 L.F. @ 27 MIN/INCH PERC RATE.

FOR 450 GAL/DAY @ 0.97 GAL/S.F. ($Q=5/\sqrt{T}$) MANUAL OF SEPTIC
TANK PRACTICE CALLS FOR $450/0.97 \times 1.5 = 309$ L.F.
SAFETY FACTOR FOR 27 MIN. PERC RATE = $410/309 = 1.33$

ADJUSTMENT FOR SAFETY FACTOR

1.33×750 L.F. = 1000 L.F. + 100% RESERVE

1800 GAL. TANK - CONFIRMED BY PHONE WITH JOHN VERNON & ASSOC.
J. C. DAVIS



NORTH EASTERN CONFERENCE
OF 7TH DAY ADVENTIST
(CHURCH)

NORTH EASTERN CONFERENCE

188-250-42

COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC HEALTH
SEPTIC TANK INSTALLATION REPORT
SOIL CONDITIONS OF TRENCH OR SEEPAGE PIT
PERCOLATION TEST

DEPARTMENT USE ONLY	
Remarks:	APPROVED
Sanitarian:	G. QUICK/H.J. Snyder, Jr.
Date:	7-27-77

Date 6-24-77 ^{APN:} 188-250-10, 42, 43, 44

OWNER'S NAME E.B. Akins & Company

ADDRESS 310 W. First St.
Tustin, Ca. 92680

CONTRACTOR _____

ADDRESS _____

Legal Location A.P. #188-250-7, 8, 10

Lot Ptn SE₁ SE₁, Sec 7, T.11S., R.1.W.

Test Location SE COR VESPER RD & VALLEY CENTER RD.

(NUMBER, STREET AND TOWN)

THIS REPORT WILL NOT BE REVIEWED UNTIL THE FOLLOWING INFORMATION IS ATTACHED:

- | | | |
|-------------------------------------|------------------------|--------------------------------|
| 1. Lot Location (locate by street) | 4. Lot Grade | 7. Test Holes |
| 2. Existing and Proposed Structures | 5. Wells | 8. Sub-Surface Disposal System |
| 3. Surfaced Areas | 6. Utility Water Lines | 9. Cuts and Fill |

SUB-SURFACE DRAINAGE

PERCOLATION TEST	TEST	DEPTH OF HOLE	TIME FOR H ₂ O	SAFETY FACTOR	TIME/INCH	AVE. TIME/IN.
Last two readings shall not vary more than 10%	(see attached sheet)					32

LEACHING SEEPAGE PITS

DEPTH	COARSE SAND OR GRAVEL	FINE SAND	SANDY LOAM OR SANDY CLAY	CLAY WITH CONSIDERABLE SAND OR GRAVEL	EFFECTIVE ABSORP. AREA

TYPE OF SOIL: Give specific information (clay-adobe-decomposed granite, etc.)

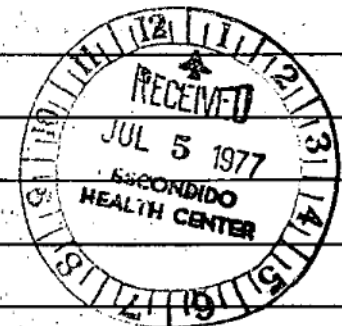
Surface: Loam

1 ft. below surface: Loam

2 ft. below surface: Loam

3 ft. below surface: D.G.

6 to 10 ft. below surface: D.G.



Proposed structure: No. 1, Type Single Family Dwelling

No. of bedrooms: 3, and/or maximum capacity: _____

RECOMMENDATIONS:

Drainage tile 430 ft.

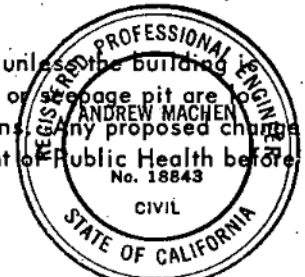
Trench width 18 in.

Trench depth 36 in.

Seepage pit width _____ ft.

Seepage pit depth _____ ft.

This percolation test will be VOID unless the building is located as shown and the tile lines or seepage pit are located as shown on the attached plans. Any proposed change shall be approved by the Department of Public Health before construction starts.



Andrew Machen
REGISTERED ENGINEER

RCE 18843

(REG. NO.)

I. SUB-SURFACE DISPOSAL SYSTEM:

A. ☐ DisapprovedB. ☒ Approved method:

1. ☒ Septic tank and drainage tile (per sections II and III)
2. ☐ Septic tank and seepage pit (per sections II and III)
3. ☐ Other (per section III)

II. SEPTIC TANK AND LEACHING SYSTEM AND/OR SEEPAGE PIT:

A. 1000 gallons. Minimum capacity of septic tank

1. 5 ft. Minimum distance from all buildings or structures
2. 5 ft. Minimum distance from all property lines (10 feet for F.H.A. approval)

B. Sub-surface tile system:

1. 430 ft. Minimum total length of disposal trenches
2. 18 in. Minimum trench width (18 in. minimum)
3. 36 in. Maximum trench depth
4. 100 ft. Maximum length of each trench
5. 10 ft. Minimum distance between laterals
6. 5 ft. Minimum distance from all property lines
7. 8 ft. Minimum distance from buildings and structures
8. 4 in. Diameter of drainage tile
9. 1/4 in. Joints with upper half covered with tar paper
10. 2 in. Fall of laterals per 100 foot
11. 1 to 1 1/2 in. Commercial grade of crushed rock (12" below and 4 in. above tile line)

C. Seepage Pit

1. 4 ft. Minimum diameter
2. 8 ft. Minimum distance from buildings or structures & all property lines (F.H.A. requires a min. distance of 10 ft. from property lines and 20 ft. from foundation walls.)
3. Fill the void between the sidewall and the cribbing with pea gravel
4. Two or more seepage pits shall be connected to a distribution box
5. 20 ft. Minimum distance between pits.

III. RECOMMENDATIONS:

A. ☐ Subject to the engineer submitting an acceptable capacity percolation report upon the one or more completed seepage pits. The proposed installation shall absorb a quantity of clear water in a twenty-four (24) hour period equal to at least five (5) times the liquid capacity of the septic tank.

B. ☒ Other: Percolation rates for parcel map purposes only.

NO PERMITS until HDFM 9473 is given final.

APPROVED G. QUICK/H. J. Snyder, Jr.

COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC HEALTH
1600 PACIFIC HIGHWAY, SAN DIEGO, CA 92101
PHONE: 239-7711, EXTENSION 611

188-250-42

E.B. AKINS & COMPANY
6-24-77

PARCEL MAP PERCOLATION REPORT

Parcel No.	Test Hole No.	Rate min/in
1	1	22
"	2	36
"	3	56
"	4	47
2	5	58
"	6	14
"	7	12
"	8	23
3	9	35
"	10	34
"	11	20
"	12	15
4	13	47
"	14	35
"	15	35
"	16	20
Average Rate		32

188-250-42

PERCOLATION TEST LAYOUT

188-250-7, 8, 10

