

SEPTIC SYSTEM:

The septic system, just like the well, has not been used in forty years, if it was ever used.

According to documents from DEH, the septic system was only ever permitted pursuant to a single 18'x98" greenhouse on the property, for which a conditional use permit was issued in January 1982. This septic system was never permitted for residential use, but rather was permitted for commercial use in relation to a single greenhouse being used for agricultural storage. Further, the plotted point on the soil percolation test conducted on or around November 18, 1981 was shown as being on the border of "marginal" and "unacceptable."

The septic inspection was apparently performed by Steve's Septic Service on March 29, 2022. The inspection report indicated that there was no "lush vegetation" present. However, on March 12, 2022, the property owner cleared roughly 12,000 square feet of the property, in the exact area where the alleged leach field is located. (See video taken 03/12/2022).

DOCUMENTS PROVIDED:

1. 1981 Application for Individual Sewage Disposal System Permit
2. 1981 Septic Permit Application Checklist
3. 1981 Summary of Soil Texture/Suitability Analysis
4. 1981 Winzler & Kelly Soils Percolation Test Data
5. Supporting documents

Signed:
Cyndy Day-Wilson
John Wilson
Chad Christensen

Septic

APPLICATION FOR INDIVIDUAL SEWAGE DISPOSAL SYSTEM PERMIT

Application is hereby made to the Humboldt County Health Officer for a permit to construct or repair a sewage disposal system as described below in compliance with the laws and standards of Humboldt County and the State of California.

Legal Conformance <i>9d 9 Dec 81</i>	Fee <i>10.00</i>	Receipt No. <i>41290</i>	Permit No. A.P. # <i>308-231-02</i>
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Owner's Name CISCO Lunsford

On attached sheet, applicant is to draw TO SCALE the appropriate septic tank system, location on property, and all pertinent setbacks.

Mailing Address P O Box 239

DETAILED DIRECTIONS TO PARCEL: off 101 on Kalketa exit, on ELL RIVER DR, right on TAMER BLEU RD, left on HAINES MILL RD.

City Lolita, Ca. 95551 Telephone # _____

Installer _____

Assessor's Parcel No. 308-231-02

NOTE: WAIVER GRANTED TO START OF WINTER TIME PERCOLATION TESTING

General Area HAINES MILL RD. off TAMER BLEU RD.

PERIOD, TESTS DONE PRIOR TO 1 January 1982

Previous Application: New System Repair
Existing System
YES NO

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Installation will serve: Residence Commercial

Multiple Housing Mobilehome Park Mobilehome

Other - Specify: _____

IMPORTANT: 24 HOUR NOTICE REQUIRED BEFORE FINAL INSPECTION

No. of Units <i>1</i>	No. of Rooms Usable as Bedrooms <i>3</i>	Garbage Disposal Unit YES <input type="checkbox"/> NO <input type="checkbox"/>
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Septic Tank Size <i>1800</i>	No. of Lines <i>6</i>	Length of Lines <i>50'</i>	Trench Depth <i>3'</i>
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Water Supply: Private Public
Lot Size: *873' x 600'*

Layout Plan Prepared by _____ Date _____

I agree to obtain inspection of installation prior to covering. I agree to construct this disposal system in accordance with all of the provisions of county and state law.

IMPORTANT: Any deviation in construction from the above plan must have prior approval in writing by the Health Department.

It is understood that the issuance of a permit in no way indicates that a guarantee of perfect and indefinite operation of this system is made by the Humboldt County Health Department.

HEALTH DEPARTMENT USE ONLY

Signature Cisco Lunsford

Layout Plan Approved By Jessie M. Clark Date 12-8-81

Date 11-11-81 Owner Owner's Agent

Construction Approved By Richard A. Sherman RS Date 11/24/82

Expiration Date of Permit 9 Dec 82

HUMBOLDT COUNTY HEALTH DEPARTMENT
Division of Environmental Health
529 "I" St., Eureka, CA 95501 445-7613

WHEN VALIDATED, THIS IS YOUR PERMIT.

PERMIT APPLICATION & SITE INVESTIGATION FORM

Handwritten initials/signature

line site for _____ Preconst Grdg. Applic...
 d insp. rec'd date _____ Completed Date _____

CONSTRUCTION:
 te has obvious fill.....No ... Yes
 es material appear to be expansive.....No ... Yes
 te is on land with slope greater than 15%.....No ... Yes
 y map is required for locating site.....No ... Yes
 d'g permit is req'd for proj. (est. Over 50yds).....No ... Yes
 te has natural water course.....No ... Yes
 te has good surface drainage.....Yes ... No
 ntours are required for clarification.....No ... Yes
 te req's engr. for the proj. (exp. below).....No ... Yes
 proved road section at site is 40ft. or more.....Yes ... No
 her problems exist (explain below).....No ... Yes

ENCROACHMENT:
 cess road complies with visibility ordinance.....Yes ... No
 op curb & gutter are existing.....Yes ... No
 tter control may be needed.....No ... Yes
 tails on plot plan are complete.....Yes ... No
 'wy access at co. rd. has (incline decline) over 10%.....No ... Yes
 ive at road has a good radius.....Yes ... No
 isting culvert is adequate.....Yes ... No
 cking for 5 vehicles on site.....Yes ... No
 . rd. at driveway access has a grade over 10%.....No ... Yes
 . rd. at driveway access is paved.....Yes ... No
 isting private road is paved.....Yes ... No
 vate drive requires grading permit.....No ... Yes

ENVIRONMENTAL HEALTH:
 e has an area 100 x 50' on a slope less than 30%
 ilable for leachfield and meets setback reqmts.....Yes ... No
 infield area is located more than 100' from a
 .l, stream, or spring.....Yes ... No
 oposed drainfield is located in a marsh or wet area.....No ... Yes
 s project should be referred to Health Dept.....No ... Yes
 sufficient water available.....Yes ... No
 ES:

ENVIRONMENTAL POLLUTION:
 ospheric discharge.....RECEIVED.....No ... Yes
 ustrial waste.....FEB 18 1982.....No ... Yes
 er discharge.....No ... Yes
 ironmental impact.....No ... Yes
HUMBOLDT CO. HEALTH DEPT.

ADJACENT PROPERTY:
 sting buildings not shown on plans.....No ... Yes
 e has private access only.....No ... Yes
 s project fit exist'g general area land use.....Yes ... No
 the adjoining property use affected.....No ... Yes
 there water courses on or off site within 100' of p/l.....No ... Yes
 s the plot plan coincide with the site.....Yes ... No

ADDITIONAL PRE-SITE NOT REQUIRED 2-11-82 GJ

Owner name Burns, Clara Proj. Loc Parcel no. 308-231-02
 City address PO BOX 229 ROSELAND, CA Type const COMMERCIAL Phone 415-227-9708
 Person in charge of constr OWNER Phone _____
 County road no _____ Private road name _____
 Inspectors district 1 2 3 4 5 6 7 Building area 1670 Land use zone COMMERCIAL
 Sense check... Clear Hold Erect...
 Water source... Public Pvt Demolish... Alter...
 Sewage disp... Public Pvt Relocate... Other...
 Remarks None I attest to the above [Signature] Applicant's Signature
 Recd. By [Signature] Occupancy change...
 Grading or fill...
 Mobile Home...
 Value \$ _____ Occup. Address 133

SUMMARY

SOIL TEXTURE / SUITABILITY ANALYSIS

Client CINCO MOUNTAINS
 Address _____
 Phone _____
 Sampled By R. R. H. C.
 Sample Date 17 Nov 81
 Water Table ?

County HUMBOLDT
 A.P. No. _____
 Water Supply Private
 Public
 Tested By R. R. H. C.
 Test Date Start 17 Nov 81
 Finish 18 Nov 81

LOT#	TEST SITE#	SAMPLE DEPTH	MOTTLING ¹	PERCENT ²			USDA SOIL TEXTURE	BULK DEN. ADJUSTMENT ²	SUITABILITY ZONE
				SAND	SILT	CLAY			
	1	5'	None	25.4%	36%	38.6%	CLAY LOAM		4
	3	5'	None	27.4%	35.6%	37%	CLAY LOAM		4

¹ : Depth and Extent
² : > 1.7 gm/cc adjusted +15% in clay direction
 ≤ 1.7 gm/cc no adjustment
 * In feet and inches
² Bouyoucos Improved Hydrometer Method

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WINZLER & KELLY
 CONSULTING ENGINEERS

JOB NO. 83-104-A

DATE: 13 Nov 81

WORK SHEET FOR SOIL TEXTURE

PROJECT LOCATION: TABLE BLUFF

A.P.#: _____ COUNTY: HUMBOLDT

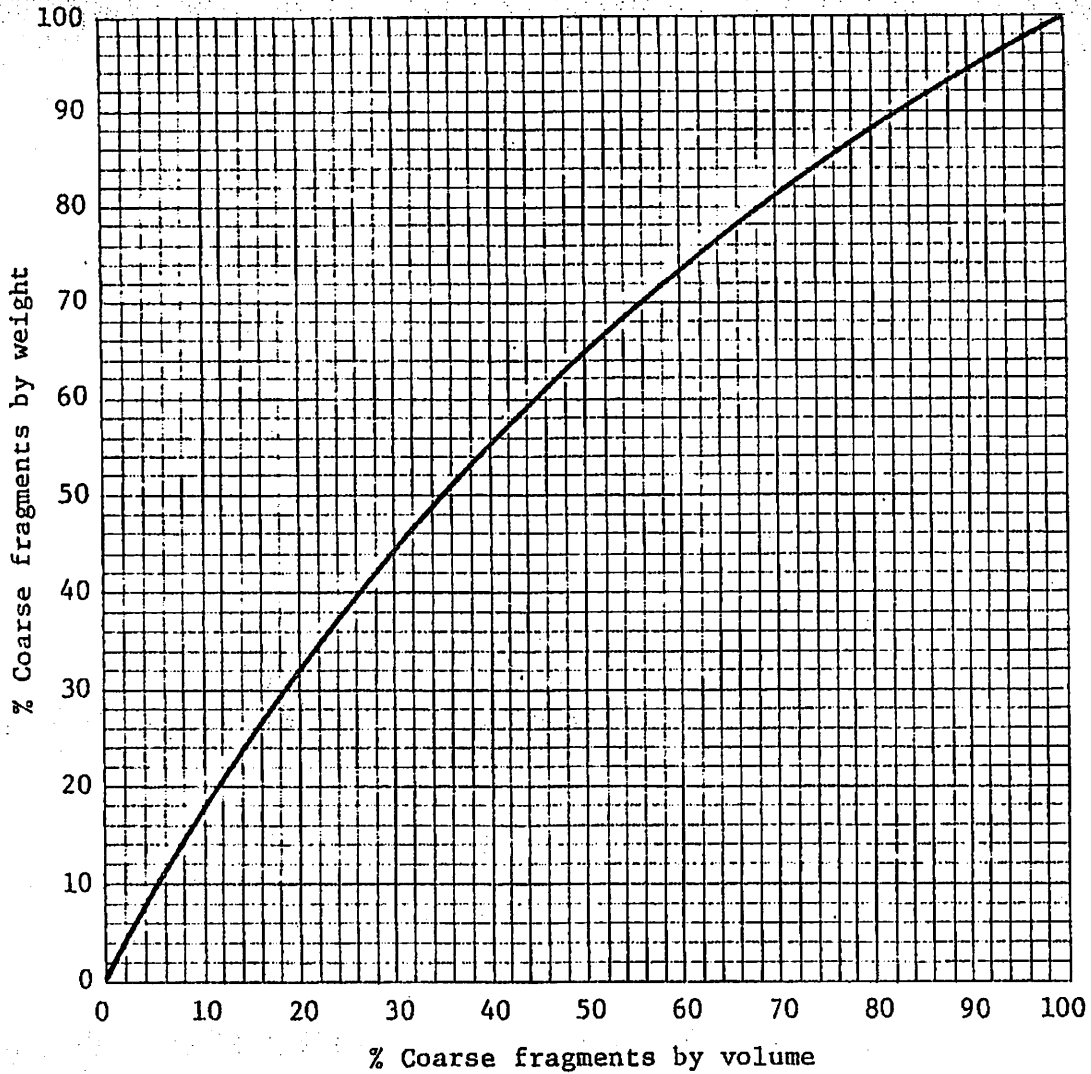
- Sample Number
- Depth
- A. Oven Dry Weight (gm)
- B. Starting Time (hr:min:sec)
- C. Temp @ 40 sec. (°F)
- D. Hydrometer Reading @ 40 sec. (gm/l)
- E. Composite Correction (gm/l)
- F. True Density @ 40 sec. (gm/l) (D-E)
- G. Temp. @ 2 hrs. (°F)
- H. Hydrometer Reading @ 2 hrs. (gm/l) (H-I)
- I. Composite Correction (gm/l)
- J. True Density @ 2 hrs. (gm/l) (H-I)
- K. % Sand = $100 - [(F-A) \times 100]$
- L. % Clay = $(J/A) \times 100$
- M. % Silt = $100 - (K+L)$
- N. USDA Texture
- O. Soil Percolation Suitability Chart Zone
- P. Combined % Silt and Clay

HOLE #1	HOLE #3		
5'	5'		
50	50		
03:41:00	03:43:00		
67	67		
44	44		
-6.7	-6.7		
37.3	37.3		
67	67		
26	26.2		
-6.7	-6.7		
19.3	19.5		
25.4%	25.4%		
38.6%	39%		
36%	35.6%		
CLAY LOAM	CLAY LOAM		
4	4		
74.6%	74.6%		

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 CONSULTING ENGINEERS

COARSE FRAGMENT WEIGHT TO VOLUME
 CONVERSION CURVE



- A. Total Sample Weight 1000 GM.
- B. Weight >2mm Coarse Fragment 50 GM.
- C. % Coarse Fragment by Weight 5%
- D. % Coarse Frag. by Volume 21%

To convert the amount of coarse fragments from a weight to a volume percentage;

1. Locate the percent, by weight, on the vertical axis.
2. Move horizontally to the right and intersect the conversion curve.
3. Move straight down to the horizontal axis and read percent by volume.

Conversion curve based on the formula:

$$W = \frac{2.7V}{1.5(100-V) + (2.7)} \text{ where}$$

- W= percent coarse fragments, by weight
- V= percent coarse fragments, by volume
- 2.7= average specific gravity of coarse fragments
- 1.5= average bulk-density of soil without coarse fragments

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 CONSULTING ENGINEERS

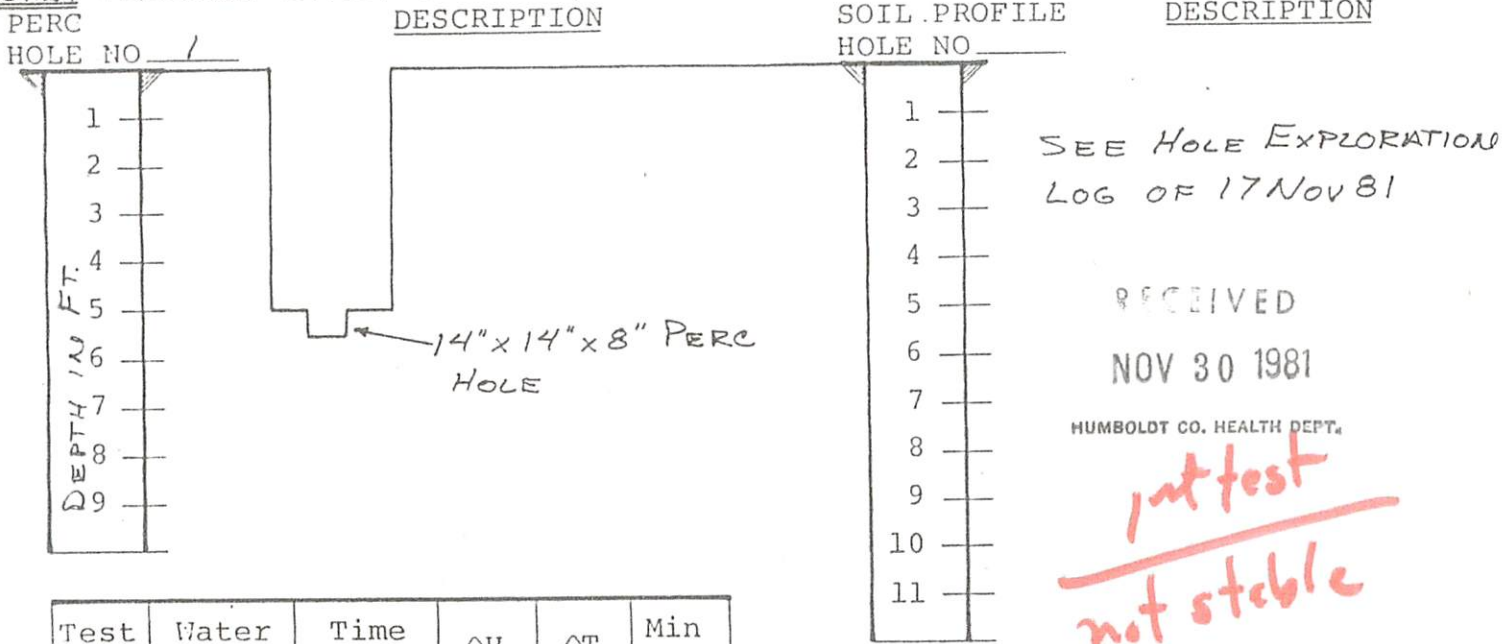
SOILS PERCOLATION TEST DATA

Job No. 82-104-A

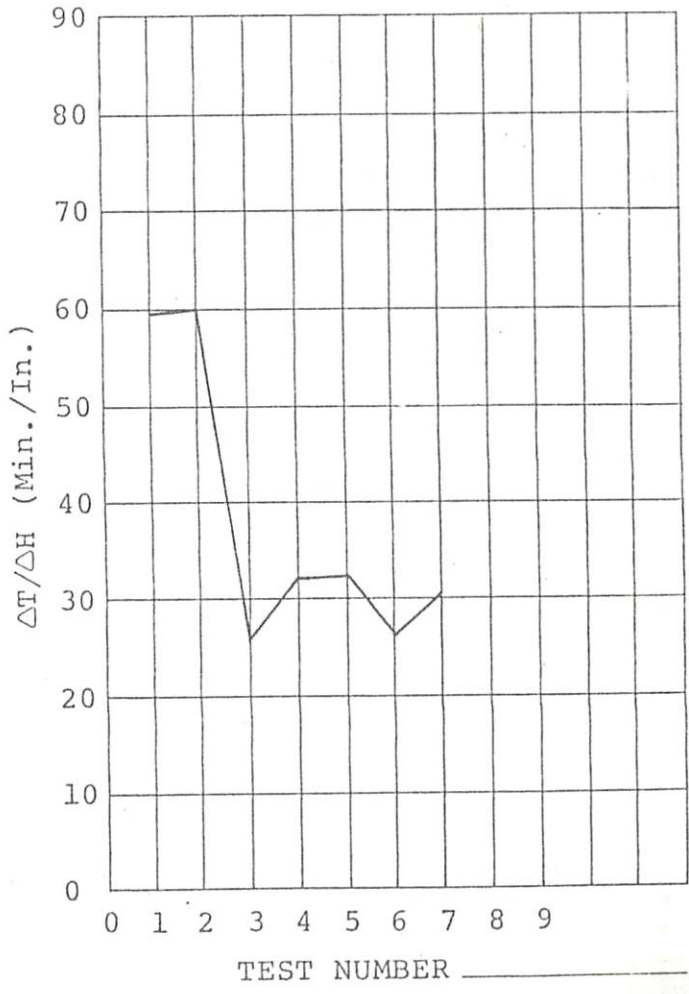
Subject LUNDSFORD PERC TEST A.P. # 308-231-02

Made by RBM/DR. Date 27 Nov 81 Checked by _____ Approved by _____

NOTE: PRESOAK STARTED 0700, 26 Nov 81 TEST STARTED 0815, 27 Nov 81



Test No.	Water Depth	Time	ΔH	ΔT	Min In.
1	6"	08:15:07			
	5.75"	08:30:00	0.25"	00:14:53	59.5
2	6"	08:30:20			
	5.75"	08:45:20	0.25"	00:15:00	60
3	8"	08:46:26			
	7.5"	08:59:20	0.5"	00:12:54	25.8
4	8"	08:59:50			
	7.5"	09:15:49	0.5"	00:15:59	31.9
5	8"	09:16:09			
	7.5"	09:32:15	0.5"	00:16:06	32.2
6	8"	09:32:30			
	7.5"	09:45:29	0.5"	00:12:59	26.0
7	8"	09:46:00			
	7.5"	10:01:10	0.5"	00:15:10	30.3
8	TEST TERMINATED				
9					
10					



SEE HOLE EXPLORATION LOG OF 17 Nov 81

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HUMBOLDT CO. HEALTH DEPT.
not test not stable

HE PHONED
I PHONED
OFFICE VISIT

P. # 308-231-02

ME J. Hanson - T. Wiström

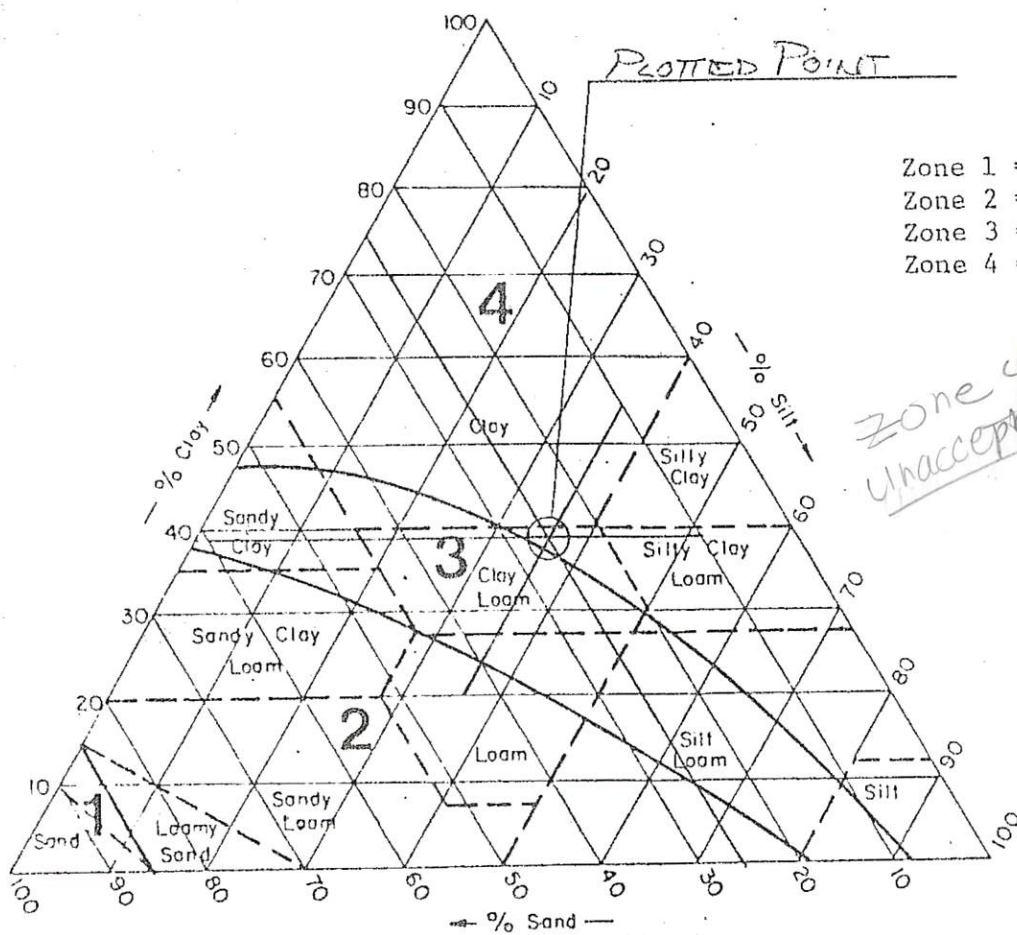
ONE NUMBER _____

TE 12/2/81 TIME 0945

a meeting was held in my office
to review the percolation test results
submitted on this parcel - the
variations from our procedures ^{were}
discussed including hole size,
leaking test, measurement
method. Also reviewed the
skewed results on hole #4.
Reviewed profiles, texture
analysis and observed
sample of soil. Clark had
collected. Discussed type of
soil and location of
project. The conclusion
was that the percolation
tests were not properly
conducted and should
be repeated.

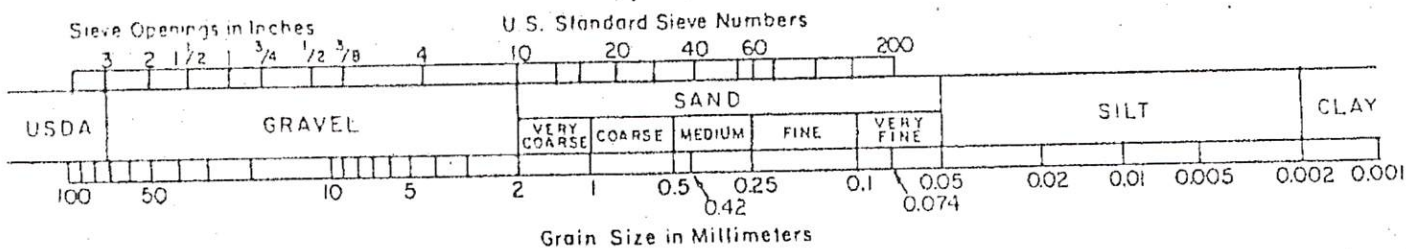


SOIL PERCOLATION SUITABILITY CHART



Zone 1 = Coarse
 Zone 2 = Acceptable
 Zone 3 = Marginal
 Zone 4 = Unacceptable

Zone 4 Unacceptable



INSTRUCTIONS

1. Plot texture on triangle based on percent sand, silt, and clay as determined by hydrometer analysis.
2. Adjust for coarse fragments by moving the plotted point in the sand direction an additional 2% for each 10% (by volume) of fragments greater than 2mm in diameter.
3. Adjust for compactness of soil by moving the plotted point in the clay direction an additional 15% for soils having a bulk-density greater than 1.7 gm/cc.

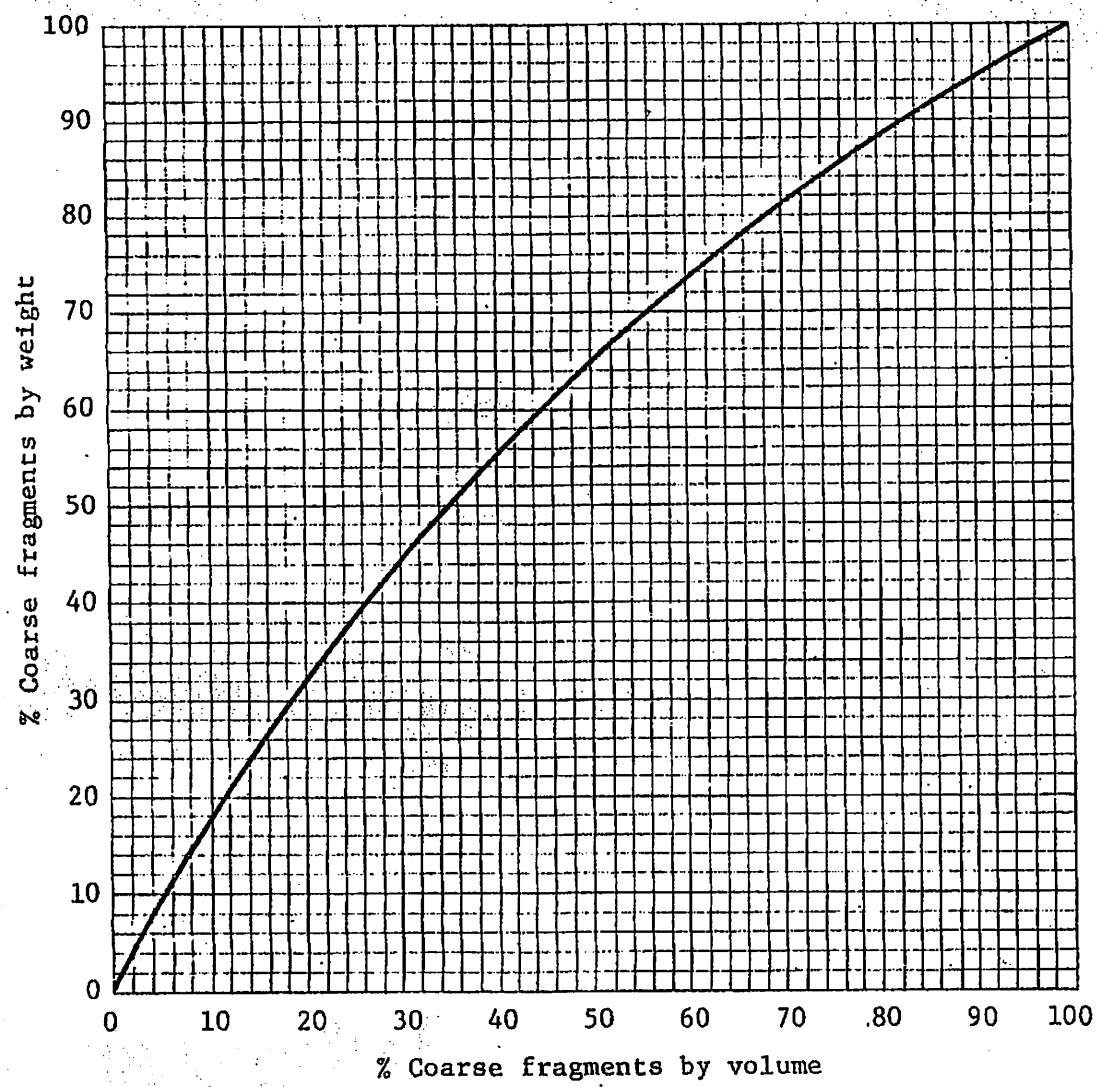
NOTE: FOR SOILS PLOTTING IN SAND, LOAMY SAND OR SANDY LOAM CLASSIFICATIONS BULK DENSITY WILL GENERALLY NOT AFFECT SUITABILITY AND THEREFORE BULK DENSITY ANALYSIS FOR SAMPLES OF THESE USDA TEXTURES WILL NOT BE REQUIRED.

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HUMBOLDT CO. HEALTH DEPT.

WINZLER & KELLY
 CONSULTING ENGINEERS

COARSE FRAGMENT WEIGHT TO VOLUME
 CONVERSION CURVE



- A. Total Sample Weight 100.5 GM.
- B. Weight >2mm Coarse Fragment 2 GM.
- C. % Coarse Fragment by Weight 2.1%
- D. % Coarse Frag. by Volume 1.2%

To convert the amount of coarse fragments from a weight to a volume percentage;

1. Locate the percent, by weight, on the vertical axis.
2. Move horizontally to the right and intersect the conversion curve.
3. Move straight down to the horizontal axis and read percent by volume.

Conversion curve based on the formula:

$$W = \frac{2.7V}{1.5(100-V) + (2.7)} \text{ where}$$

- W= percent coarse fragments, by weight
- V= percent coarse fragments, by volume
- 2.7= average specific gravity of coarse fragments
- 1.5= average bulk-density of soil without coarse fragments

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HUMBOLDT CO. HEALTH DEPT.

WINZLER & KELLY
 CONSULTING ENGINEERS

COUNTY OF HUMBOLDT

PERMIT APPLICATION & SITE INVESTIGATION FORM

Health

Examine site for field insp. rec'd date _____ Preconst Grdg. Applic. ...
Completed Date _____

RE-CONSTRUCTION:

Site has obvious fill.....	POS. No <input checked="" type="checkbox"/>	NEG. Yes <input type="checkbox"/>
Does material appear to be expansive.....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Site is on land with slope greater than 15%.....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Key map is required for locating site.....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Grd'g permit is req'd for proj. (est. Over 50 yds).....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Site has natural water course.....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Site has good surface drainage.....	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Contours are required for clarification.....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Site req's engr. for the proj. (exp. below).....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Improved road section at site is 40ft. or more.....	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Other problems exist (explain below).....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>

DRIVE NOT SHOWN ON PLOT PLAN

AD ENCROACHMENT: *DRIVE NOT SHOWN ON PLOT PLAN

Access road complies with visibility ordinance.....	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Drop curb & gutter are existing.....	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Gutter control may be needed.....	No <input type="checkbox"/>	Yes <input type="checkbox"/>
Details on plot plan are complete.....	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Dr'wy access at co. rd. has (incline decline) over 10%.....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Drive at road has a good radius.....	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Existing culvert is adequate.....	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Parking for 5 vehicles on site.....	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Co. rd. at driveway access has a grade over 10%.....	No <input type="checkbox"/>	Yes <input type="checkbox"/>
Co. rd. at driveway access is paved.....	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Existing private road is paved.....	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Private drive requires grading permit.....	No <input type="checkbox"/>	Yes <input type="checkbox"/>

VIRONMENTAL HEALTH:

Site has good drainfield location.....	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Site has good reserve drainfield loc.....	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Site has service pump access to septic tank.....	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Percolation tests should be performed.....	No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Soil engineering is recommended.....	No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Water source is feasible.....	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Other problems exist (explain below).....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>

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VIRONMENTAL POLLUTION:

Atmospheric discharge.....	No <input type="checkbox"/>	Yes <input type="checkbox"/>
Industrial waste.....	No <input type="checkbox"/>	Yes <input type="checkbox"/>
Water discharge.....	No <input type="checkbox"/>	Yes <input type="checkbox"/>
Environmental impact.....	No <input type="checkbox"/>	Yes <input type="checkbox"/>

N/A

ANNING:

Existing buildings not shown on plans.....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Site has private access only (existg) (new).....	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Does proj. fit exist'g general area land use.....	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is the proj. a change in exist'g site land use.....	No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Does the plot plan coincide with the site.....	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

GENERAL SITE DESCRIPTION:

*CURRENT USE IS OPEN PASTURE LAND WITH SLOPE OF -3%. * HIGH WIND AREA. * INCOASTAL ZONE. 11-6-81 GA*

Project address 405-2223 Parcel No. 3081 2221 03
 Project name COMMERCIAL VETERINARY Type const OTHER
 District 2 3 4 5 6 7 Building name BOARD Land use zone COMMERCIAL VETERINARY
 Private road name _____ No of stories _____
 Water source: Public Private
 Sewage disp.: Public Private
 Additions: Demolish:
 Garb disp.: Repair:
 Erect: Alter:
 Other:
 Fire zone _____ Est. Proj. Value \$ _____
 Occupancy change _____
 Grading or fill _____
 Mobile home _____
 Recd. By GA

Applicant's Signature _____

Jeff

This is very interesting
why when 8" depth was
used per note dropped

I wonder how many holes
8" deep could influence note
Maybe 8" is not better when
air soil interface is near
testing level

WINZLER & KELLY

633 Third Street/P.O. Box 1345/Eureka, CA 95501/707-443-8326

Refer to: 82-104-A

November 30, 1981

Jeff Arnold
Humboldt County Public
Health Department
Environmental Health
529 I Street
Eureka, California 95501

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HUMBOLDT CO. HEALTH DEPT.

Subject: Percolation Test for Cisco Lundsford - A.P.# 308-231-02

Dear Jeff:

On Friday, November 27, 1981 I conducted a percolation test on A.P.# 308-231-02, a parcel of land on Table Bluff. The holes were not perked under wet weather requirements as per our discussion on November 25, 1981. The test holes were continuously presoaked for 25 hours prior to the start of the test. Hole number one perked at a stabilized rate of 32 min/in. Hole number two perked at a stabilized rate of 31 min/in. Copies of the tests are included.

If you have any questions about the test, please call.

Very truly yours,

WINZLER AND KELLY



Royal B. McCarthy

RBM:ls



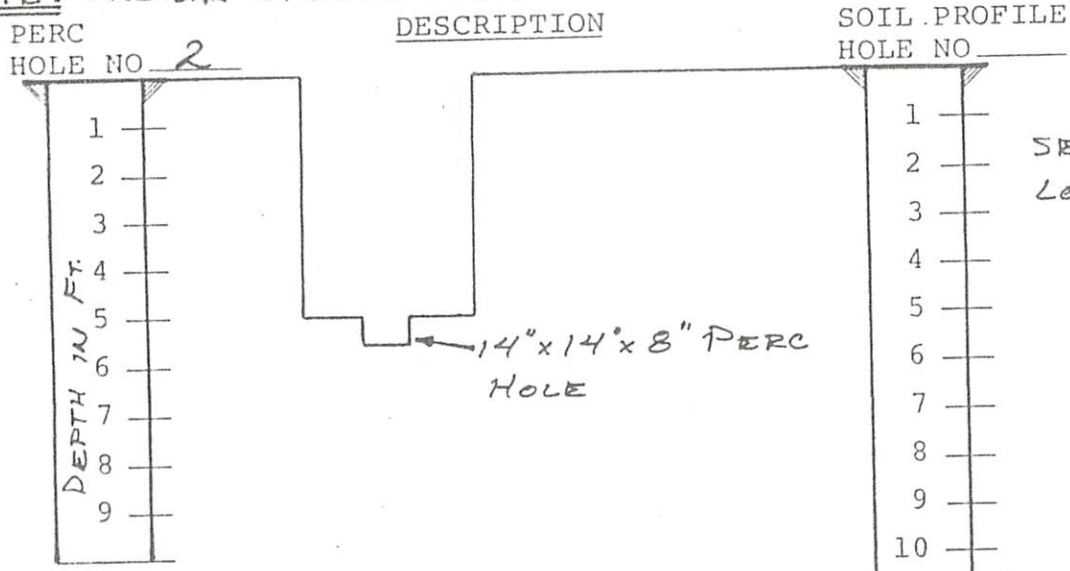
GROUP CONSULTING ENGINEERS

SOILS PERCOLATION TEST DATA

Subject LUNDSFORD PERC TEST A.P.# 308-231-02

Made by RBM/D.R. Date 27 Nov 81 Checked by _____ Approved by _____

NOTE: PRESOAK STARTED 0700, 26 Nov 81 TEST STARTED 0816, 27 Nov 81

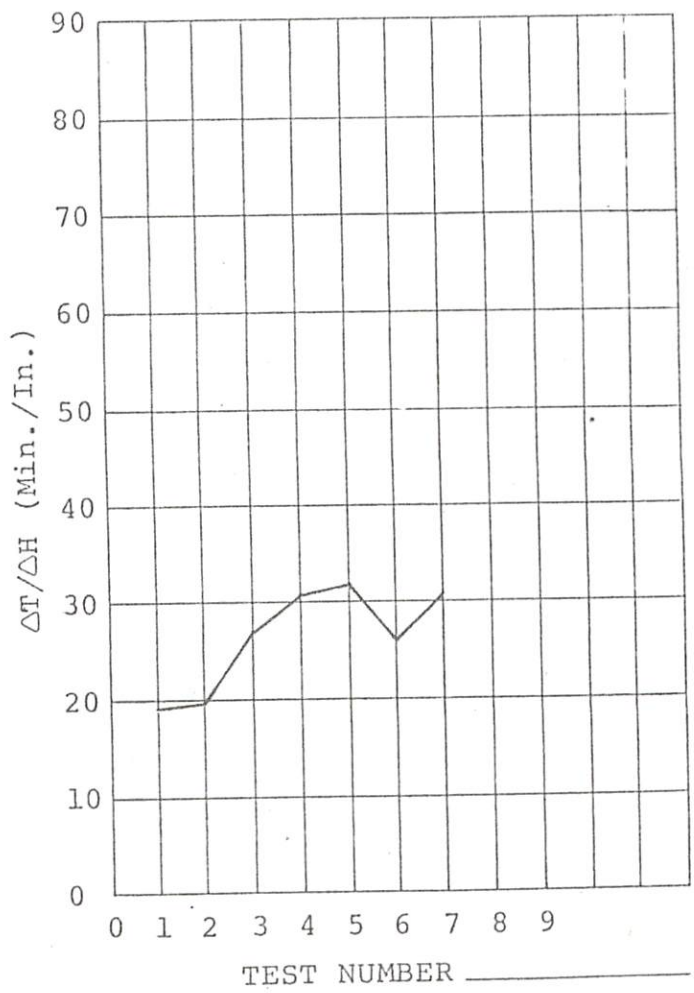


SEE HOLE #3 EXPLORATION LOG OF 17 Nov 81

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1st test not stable

Test No.	Water Depth	Time	ΔH	ΔT	Min In.
1	8"	08:16:30			
	7.25"	08:30:40	0.75"	00:14:10	18.9
2	8"	08:31:18			
	7.25"	08:46:15	0.75"	00:14:58	19.7
3	8"	08:46:30			
	7.5"	09:00:00	0.5"	00:13:30	27.0
4	8"	09:01:00			
	7.5"	09:16:20	0.5"	00:15:20	30.7
5	8"	09:16:59			
	7.5"	09:32:50	0.5"	00:15:51	31.7
6	8"	09:33:00			
	7.5"	09:46:00	0.5"	00:13:00	26.0
7	8"	09:46:40			
	7.5"	10:01:50	0.5"	00:15:10	30.3
8	TEST TERMINATED				
9					
10					



644 101 an Yaceta EXLT, an
Elle KURT DR, RT an
TAMM, Bluff Rd, left
an HAWKES ROAD Rd.

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WINDYBOLT CO. HEALTH DEPT.

EXPLORATION HOLE LOG

PROJECT NAME LUNDSTORF TUNNEL PROJECT NO 82-104A DATE 17 Nov 81
 COUNTY HUMBOLDT AP# 309-231-02 SLOPE <3% ASPECT _____
 HOLE # 1 HOLE DIAMETER _____ DRILL RIG BACK HOE SAMPLER HAND
 HOLE ELEV _____ GROUNDWATER LEVEL 9' QUANTITY _____ LOGGED BY RJH/c

SOIL DESCRIPTION				SOIL TYPE	DEPTH	JARS	SACKS	SAMPLES				
DESCRIPTION AND REMARKS	COLOR	MOIST	CONSIST					NO.	SPLIT SPOON	SHELB	BLOWS/ FT.	
<u>DARK BROWN TOPSOIL</u>		<u>DAMP</u>	<u>FUFFY</u>		<u>1'</u>							
<u>RED BROWN CLAY LOAM</u>		<u>DAMP</u>	<u>CRUMBLY</u>		<u>2'</u> <u>3'</u> <u>4'</u>							
<u>ORANGE BROWN CLAY LOAM</u>		<u>MOIST</u>	<u>COR-SOLIDATED</u>		<u>5'</u> <u>6'</u> <u>7'</u>							
		<u>MOTTLED</u>			<u>8'</u>							
		<u>WET</u>			<u>9'</u> <u>9 1/2'</u>							
<u>HOLE TERMINATED</u>												

3' water unless water unusable

assume water table a sat. soil

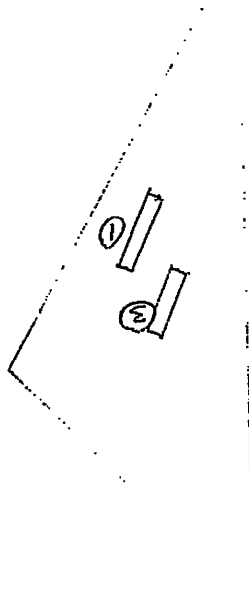
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RUSSELBOLDT CO. HEALTH DEPT.

NOV 25 1981

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8 Dec 81
Locations noted on
plot plus
absorptions
gd





HUMBOLDT-DEL NORTE COUNTY
DEPARTMENT OF PUBLIC HEALTH



727 CEDAR STREET
GARBERVILLE, CA. 95440
923-2779

MAIN OFFICE
529 I STREET
EUREKA, CA. 95501
445-7584

909 HWY. 101, NORTH
CRESCENT CITY, CA. 95531
464-7478

December 24, 1981

Ms. Teresa Wistrom
North Coast Regional Water Quality Control Board
1000 Coddington Center
Santa Rosa, CA 95401

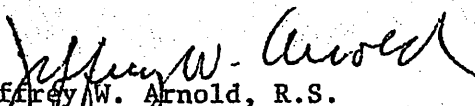
RE: Lunsford A.P. #308-231-02

Dear Teresa,

Attached please find the results of the soil texture analysis you recently requested for the referenced project. Please contact me if you have any questions.

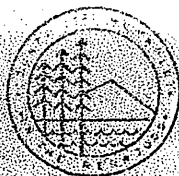
Sincerely,

Paul W. Anderson, M.D., M.P.H.
Director and Health Officer


Jeffrey W. Arnold, R.S.
Director of Environmental Health

JWA/jf

Enc.



HUMBOLDT-DEL NORTE COUNTY
DEPARTMENT OF PUBLIC HEALTH



727 CEDAR STREET
GARBERVILLE, CA. 95440
923-3112

MAIN OFFICE
529 I STREET
EUREKA, CA. 95501
445-7584

909 HWY. 101, NORTH
CRESCENT CITY, CA. 95531
464-4011

December 15, 1981

Ms. Teresa Wistrom
North Coast Regional Water Quality Control Board
1000 Coddington Center
Santa Rosa, CA 95401

RE: 308-231-02, Lunsford


Dear Teresa,

A waiver of the wet weather testing requirement for the referenced project was granted by this office. The waiver was granted after determining that water quality would not be impaired or public health threatened. The factors leading to this determination were the amount of rainfall that has fallen this season combined with a continuous twenty-four hour pre-soak of the holes to be tested. Testing procedures as well as the results of the percolation tests are on the attached sheets.

Should you have any questions, please contact the undersigned.

Sincerely,

Paul W. Anderson, M.D., M.P.H.
Director and Health Officer


Jeffrey W. Arnold, R.S.
Director of Environmental Health

JWA/jf

Enc.

HUMBOLDT COUNTY HEALTH DEPARTMENT
SEWAGE DISPOSAL SYSTEM APPLICATION CHECK LIST

Sanitarian gd
Date 8 Dec 81

NAME Lunsford AP# 308-231-02

LOCATION table bluff CONSULTANT w/k- Reed

Check if yes

Sewered area Moratorium Waiver Prohibition area Winter Water
table area

Slopes 5-10 % Building 5+ Ft
Perennial Stream n/a ft Property line 50+ Ft put well
Ephemeral Stream n/a ft Swimming Pool n/a Ft
Cut Banks n/a Ft (Mark N/A if not applicable)

Soil Profiles

bottom of profiles - 17 Mar 81 11.33 total Rainfall
Depth of soil below/trench 3+ ft (Must be 5' on ground greater than 20% Slope
3' on ground less than 20% slope)
Actual Water Observed Yes No Depth of Water 8 Ft *3
Mottling observed Yes No Depth of Mottling 8 Ft *1

Soils Analysis

note: total depth of trench - 5'

Primary Field

Hole #	Depth	Bulk den	Sample depth	Result	%Clay	%Silt	%Sand
1	9.5	not done	5	4	38.6	36	25.4

waiver to water unless water unusable
9 Dec 81 - 92 sec water unusable
94

soils Logged 9 Dec 81/gd

Reserve Field

3	9	not done	5	4	39.0	35.6	25.4

Percolation tests

25hr Presoak + saturation - Dec 4/81 - tests Dec 5/81

Primary Field

Hole #	Depth	Rate
1	4	10.9

Reserve Area

Hole #	Depth	Rate
3	4	26.64

waiver granted to 1 Jan 82 wint. test start.

WINZLER & KELLY

633 Third Street/P.O. Box 1345/Eureka, CA 95501/707-443-8326

Refer to: 82-104-A

December 7, 1981

Jeff Arnold
Humboldt County Public
Health Department
Environmental Health
529 I Street
Eureka, California 95501

Subject: Percolation Test for Cisco Lundsford - A.P.# 308-231-02

Dear Jeff:

On Saturday, December 5, 1981, I conducted a percolation test on A.P.# 308-231-02, a parcel of land on Table Bluff. The holes were not perked under wet weather requirements as per our discussion on November 25, 1981. The test holes were continuously presoaked for 25 hours prior to the start of the test. Hole number one perked at a stabilized rate of 11 min/in. Hole number three perked at a stabilized rate of 27 min/in. Copies of the tests are included.

If you have any questions about the test, please call.

Very truly yours,

WINZLER AND KELLY


Royal B. McCarthy

RBM:bl

RECEIVED
DEC 08 1981
HUMBOLDT CO. HEALTH DEPT.



GROUP CONSULTING ENGINEERS

SOILS PERCOLATION TEST DATA

Job No. 37-104

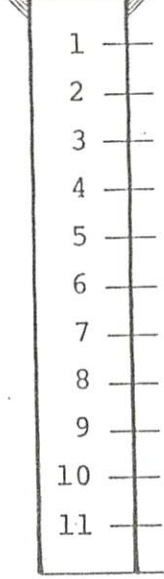
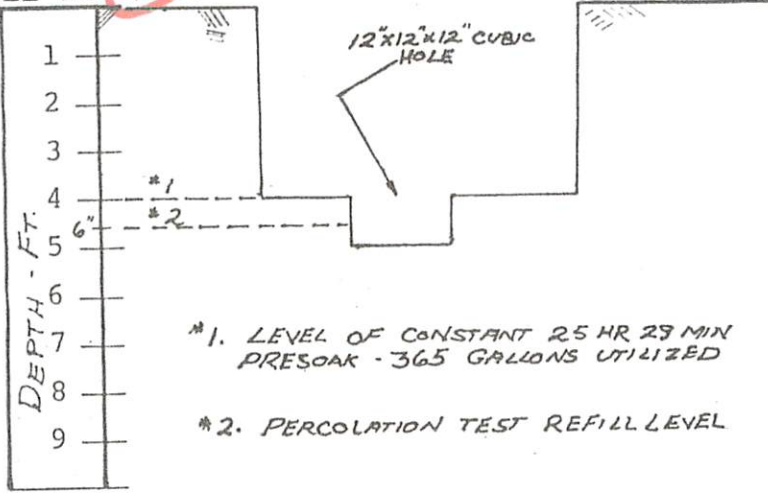
Subject UNDEVELOPED PERCOLATION TESTS AP# 308-231-02

Made by RBME/DCP Date 5 DEC 81 Checked by RBME Approved by DCP

NOTE: PRESOAK STARTED 0650, 4 DEC 81 TEST STARTED: 0819, 5 DEC 81

PERC HOLE NO. 1 DESCRIPTION

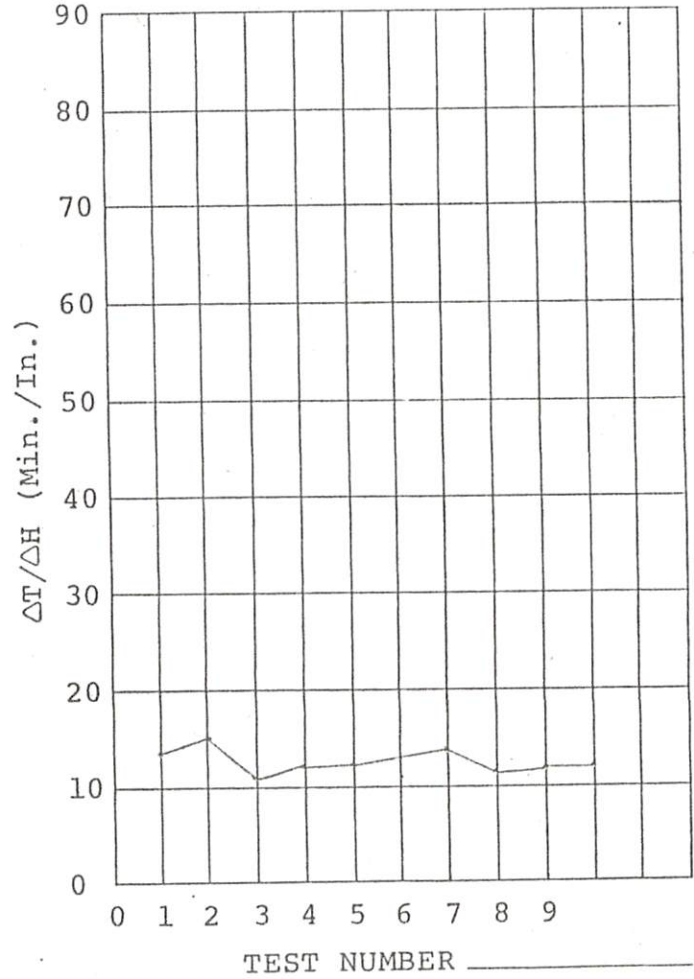
SOIL PROFILE HOLE NO. DESCRIPTION



SEE HOLE EXPLORATION LOG OF 17 NOV 81

RECEIVED
DEC 08 1981
HUMBOLDT CO. HEALTH DEPT.
2nd test

Test No.	Water Depth (Inches)	Time (H:MM)	ΔH (In.)	ΔT (Min)	Min In.
1	6"	0819			
	4 7/8	34	1.125	15	13.33
2	4 7/8	34			
	3 7/8	49	1.000	15	15.00
3	6"	49			
	4 5/8	04	1.375	15	10.91
4	4 5/8	04			
	3 3/4	19	1.250	15	12.00
5	6"	19			
	4 3/4	34	1.250	15	12.00
6	4 3/4	34			
	3 3/4	49	1.375	15	10.91
7	6"	49			
	4 1/2	1004	1.188	15	12.63
8	4 1/2	04			
	3 1/2	19	1.313	15	11.42
9	6"	19			
	4 5/8	34	1.375	15	10.91
10	4 5/8	34			
	3 1/4	49	1.375	15	10.91



☑ INDICATES REFILL

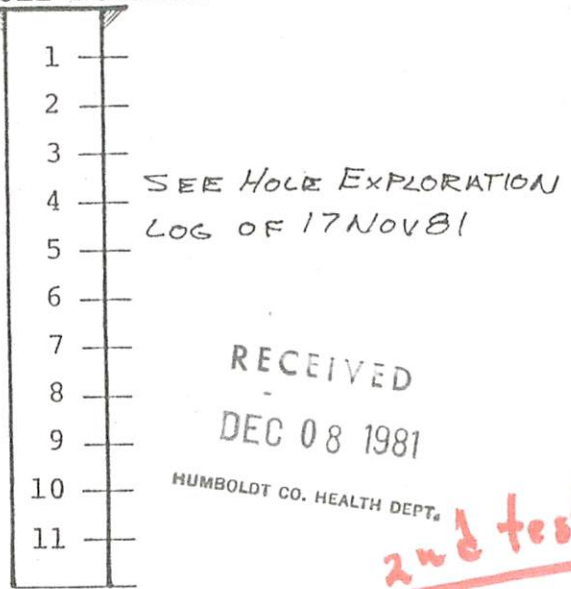
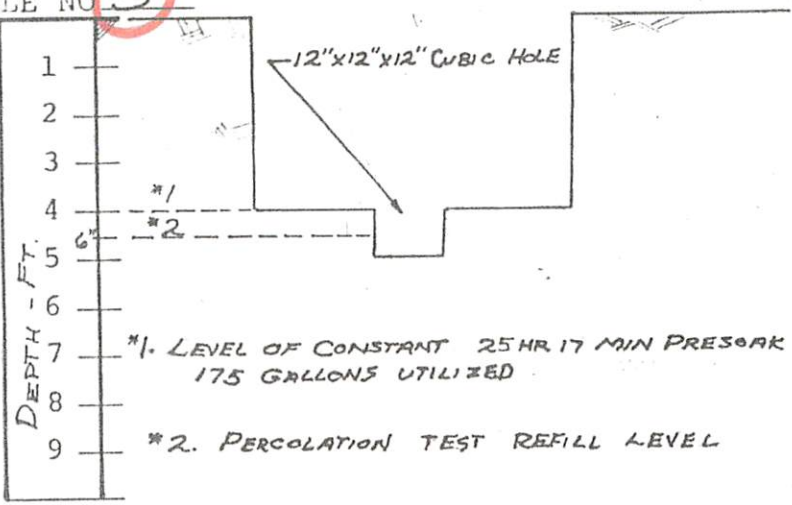
SOILS PERCOLATION TEST DATA

Job No. 82-104

Subject Lundsgaard TESTS AP# 308-231-02

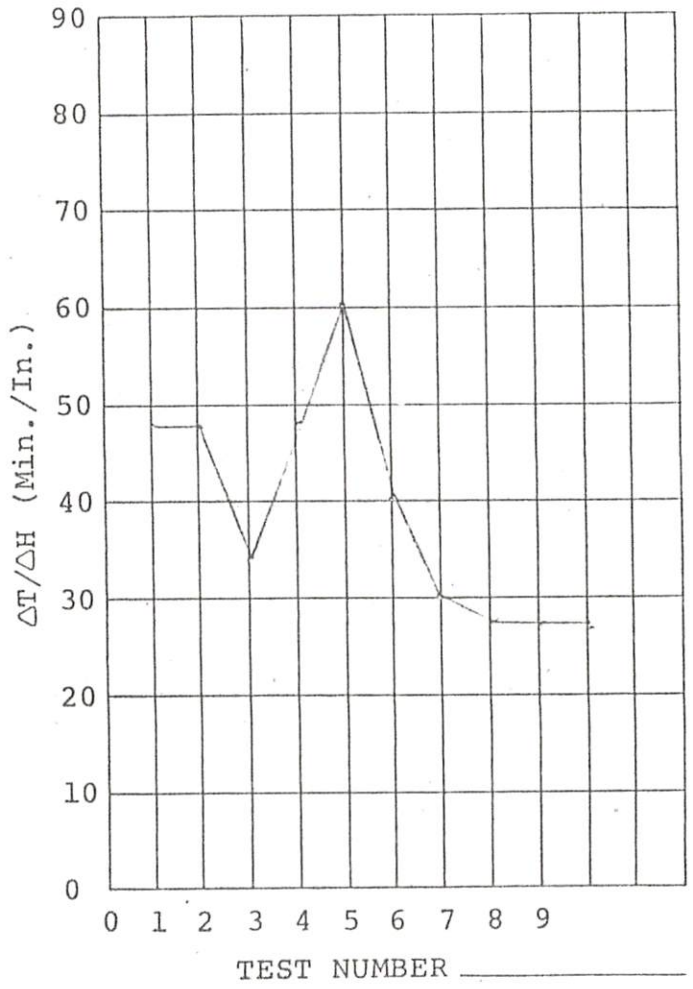
Made by RRM/PCR Date 5 DEC 81 Checked by RRM Approved by PCR

NOTE: PRESOAK STARTED 0656, 4 DEC 81 TEST STARTED 0813, 5 DEC 81
PERC DESCRIPTION SOIL PROFILE DESCRIPTION
HOLE NO. 3 HOLE NO.



Test No.	Water Depth	Time	ΔH	ΔT	Min In.
1	P/6	0813			
	5 1/8	23	0.313	15	47.92
2	5 1/8	23			
	5 3/8	42	0.313	15	47.92
3	5 3/8	43			
	1 1/8	52	0.438	15	34.25
4	4 1/8	58			
	1 1/8	2912	0.313	15	47.92
5	4 3/8	13			
	4 3/8	28	0.250	15	60.00
6	P/6	28			
	5 3/8	43	0.375	15	40.00
7	5 1/8	43			
	5 1/8	58	0.500	15	30.00
8	5 1/8	58			
	4 3/8	10 13	0.563	15	26.67
9	1 3/8	13			
	2.0	22	0.563	15	26.67
10	2.0	22			
	3 7/16	42	0.563	15	26.67

P/6 INDICATES REFILL



AP# 308-231-02

SA RIAN J. Clark

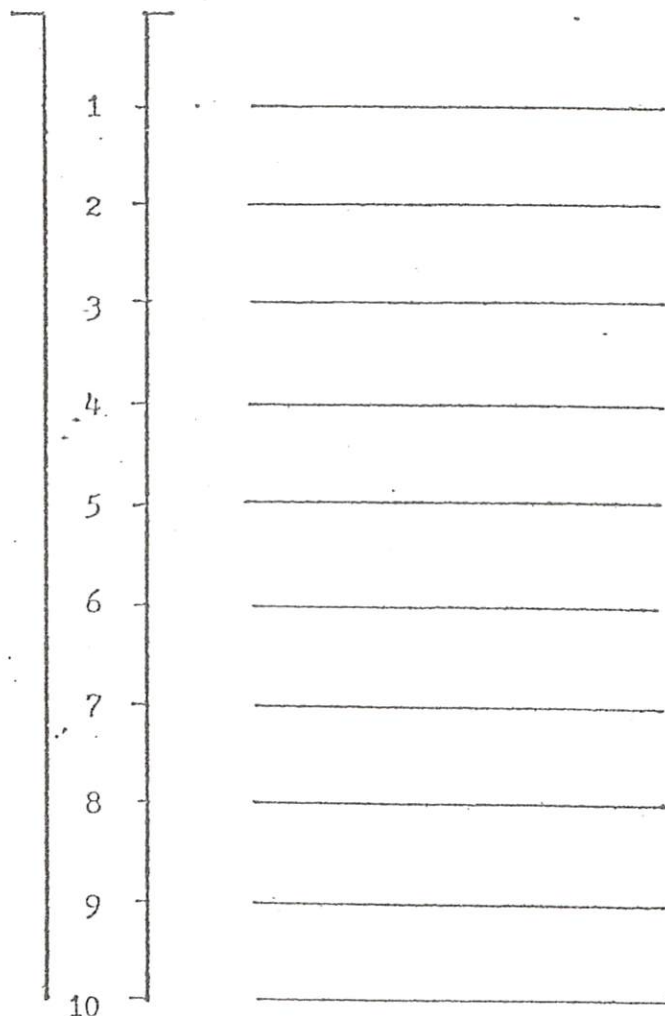
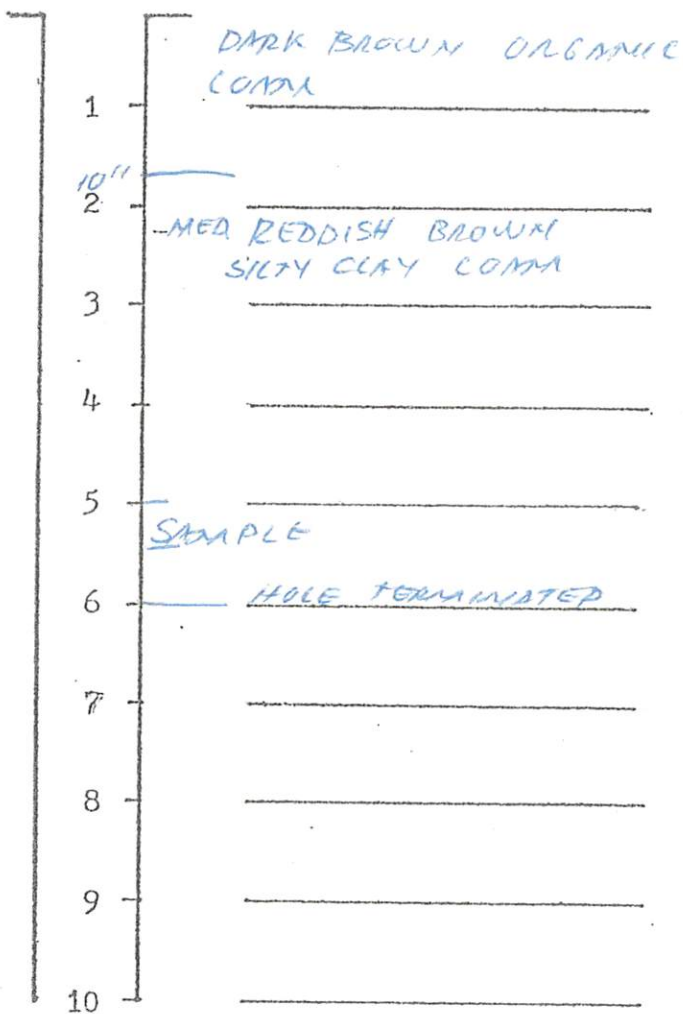
LOCATION TABLE BLUFF

DATE 12-1-81

PROJECT DESCRIPTION C.U.P. S.D.S. LUXSD FORD

HOLE # AUGER #1

HOLE # _____



Text. Anal. Yes- _____ NO _____

Text. Anal. YES _____ NO _____

Depth of Samples 5-5 1/2 FOOT

DEPTH OF SAMPLES _____

COMMENTS AUGER HOLE "CLOSED IN AT ABOUT 4 FT LEVEL
REQUIRING TERMINATION OF HOLE AT ± 6' DEEP. PENE-
TRATION BY AUGER WAS VERY EASY.



Waiver

1. Review procedure

2.

1. hole filled to greater than 8" for 25th hours
2. used 4 55 gallon drums & float valve
D. had a note pushing
3. used 8" depth rather than 6" - unsure as to why
4. Water 75 gallons/hole -
5. Not sure that of why the variation occurred between 6" & 8" on the 2nd reading on hole # 1.
6. D.M.R. feels that pressure was sufficient
7. " " reported that they did a preliminary test - results 45 min/in -