

Hugh Rohrer, M.D., M.P.H.
Director

Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

ENVIRONMENTAL HEALTH DIVISION

PERMIT NO. 7-93-151

PERMIT TO CONSTRUCT AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM.

OWNER: DAVID PTOLEMY

LOCATION: 4920 MOONSHINE RIDGE TRAIL LOT 60, HILLS AT BAYOU GULCH #2A

COMPOSED OF 1750 GALLON SEPTIC TANK AND ABSORPTION AREA OF 1950 SQUARE FEET.

A PERMIT TO CONSTRUCT SHALL EXPIRE ONE YEAR FROM THE DATE OF ISSUANCE UNLESS EXTENDED TO A FIXED DATE UPON REQUEST BY THE APPLICANT AND APPROVAL BY TRI-COUNTY HEALTH DEPARTMENT. A PERMIT TO REMODEL EXPIRES TWO WEEKS FROM THE DATE OF ISSUANCE.

THIS PERMIT EXPIRES ON 6-9-94.

NOTE: Construction requirements and special conditions relative to this permit are presented on the accompanying application. This permit shall not be valid unless a copy of the application is attached to it.

ISSUED BY John Kleckner OF TRI-COUNTY HEALTH
DEPARTMENT ON 6-9-93.

OWNER MUST MAKE SURE THAT THIS ENTIRE WASTE DISPOSAL SYSTEM REMAINS OPEN FOR INSPECTION UNTIL IT HAS RECEIVED APPROVAL BY TRI-COUNTY HEALTH DEPARTMENT. TRI-COUNTY HEALTH DEPARTMENT CANNOT ASSUME RESPONSIBILITY IN CASE OF FAILURE OR INADEQUACY OF A WASTE DISPOSAL SYSTEM BEYOND CONSULTING IN GOOD FAITH WITH THE PROPERTY OWNER.

PERMIT FEE OF \$150.00 CHECK #1427

RECEIVED BY L. ANGUS ON 6-7-93

() Owner Copy () Bldg. Dept. Copy () Installer Copy () Health Dept. Copy

ISDS FINAL INSPECTION

DATE 11/5/93

PERMIT # 7-93-151

DATE READY 11/5/93

INSTALLER W. Kamp

ADDRESS OF PROPERTY

4920 Moonshine Ridge
Trail

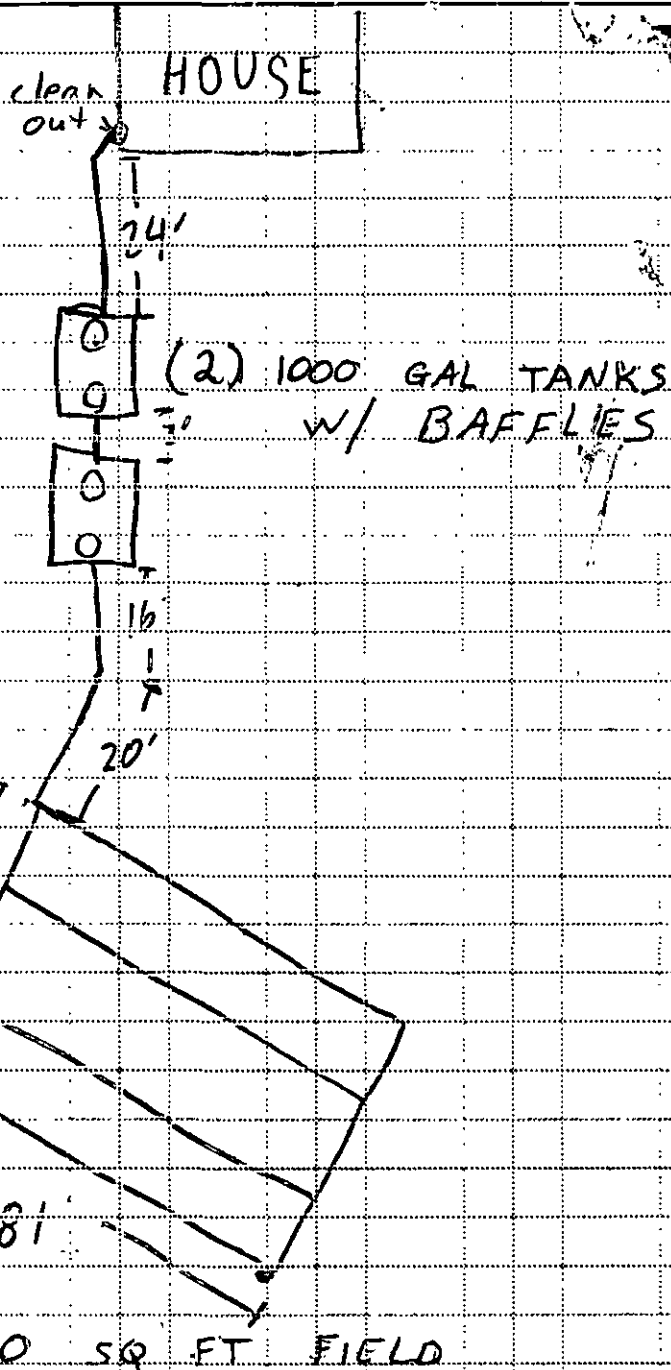
COMMENTS:

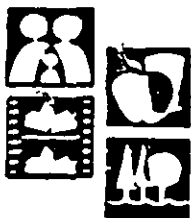
841-0106



Onsite System
As-Built
Drawing

Property Address 4920 Moonshine Ridge Tr.
Permit # _____
Date System Completed 11/4/93
Installer's Name KamD
Installer's License # _____
Installer's Address and Phone 12110 N 65th
Parker CO 80134 841-0106





Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

File No. 7-93-151

Fiscal Control No. _____

APPLICATION TO
☒ INSTALL ☐ REPAIR ☐ EXPAND
AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

TO BE COMPLETED BY APPLICANT

Please Print Clearly

Application Fee:

Install (New): \$150

Repair, expand, remodel: \$150.00

Legal Description/Address: The Hills at Bayou Gulch #1920
Lot 60, Filing 2A, 8712 Moonshine Ridge Trail

Owner David Ptolemy Installer Dave Kamp Lic. No. 358 Year _____

Address 8712 Apache Plume Dr. Phone 680-7357 Address 12110 N. 6th, Parker Phone 841-0106

Applicant PKJ Custom Homes, Inc. Design Engineer _____ Job No. _____

Address P.O. Box 952, Parker Phone 841-4751 Address _____ Phone _____

LOCATION OF PROPOSED FACILITY:

County Douglas City or Town (if within City or Town limits) _____ Lot size 529.47' x 663.47'

WASTE TYPE: ☒ Domestic ☐ Non-domestic _____

SOURCE AND TYPE OF WATER SUPPLY: ☒ Well ☐ Community ☐ Other _____

If supplied by community water, give name of supplier: _____

GENERAL INFORMATION: Number of Bedrooms 6 Basement Plumbed? yes

FOR OFFICE USE ONLY

System designed for _____ gallons per day.

SOILS DATA:

Depth to bedrock >10 Ft Depth to ground water >10 Ft Percent ground slope: 6% to 5%

Percolation Rate: #1 20 #2 11 #3 10 #4 _____ #5 _____ #6 _____

AVERAGE PERCOLATION RATE 14

Is this system within a municipal sewage district? No Distance to nearest municipal sewer line 7400 Ft.

TYPE F INDIVIDUAL SEWAGE DISPOSAL SYSTEM PROPOSED Tank & Field FINAL DISPOSAL BY absorption

SYSTEM DESIGN INFORMATION

Minimum septic tank 1750 gallons. Minimum absorption area 1950 square feet.

Maximum depth of absorption area 3-6 Ft. (not to exceed depth of percolation test holes).

Filler material size: 1/2 inch to 2 1/2 inch diameter. Minimum depth of filler material below distribution pipe 6 inches. Minimum depth of filler material over pipe 2 inches. Total depth of rock to be 12 inches.

SPECIAL DESIGN Must install Berm on uphill side of field to divert runoff around field. Can install 1,170 sq ft field of Infiltrator Units. (65 units)

Will design engineer inspect the completed system? _____

I, the undersigned hereby certify that all information and data provided is correct and true to the best of my knowledge. Also, I agree that the construction of this individual sewage disposal system will comply with Tri-County Health Department regulation #1-85 and all other applicable laws and regulations.

Applicant's Signature [Signature] Date 6/7/93 Application Reviewed and Approved John Kleckner Date 6-8-93

Date system inspected and approved 11-5-93 Public Health Sanitarian: John Kleckner

Adams City
301 E. 72nd Ave.
Commerce City, CO 80022
38-6818

Aurora
15400 E. 14th Pl.
Aurora, CO 80011
341-9370

Bellevue
7000 E. Bellevue, #301
Englewood, CO 80111-1628
220-9200

Castle Rock
961 S. Plum Creek Blvd
Castle Rock, CO 80104
688-5145

Englewood
4857 S. Broadway
Englewood, CO 80110
781-1340

Thornton
2200 E. 104th Ave., #115
Thornton, CO 80233
452-9547

Received 6/7/93 GRIF #1427 \$150

TRI COUNTY HEALTHS CO

Also needs a Plot Plan drawn to scale
showing proposed location of:

House - which needs to be 20 feet from field
Leach Field - which needs to be 100 feet from well
Septic Tank - which needs to be 50 feet from well
and 5 feet from the house.



Tri-County Health Department

Percolation Test and Soils Data Form

Property address 4920 Moonshine Ridge Trail

Legal description LOT 60, FIL. 2-A THE HILLS AT Bayou Gulch, D.C.

Property Owner:

Name PRESTON JEWETT - David & Regina PTOlemy

Address 8840 Thunderbird Rd., Parker, Co. 80134

Phone 841-4781

Note:

- Percolation Test Form, Site Plan and Grain Size Distribution Curve of the Sample must be submitted with this form.
- For all Lots <5 acres the site plan must include the entire lot. Test locations must be accurately tied to lot corners or other permanent markers.

Saturation and Swelling

- Smear surfaces removed: ☒ Yes ☐ No
- Sand or gravel added: ☐ Yes ☒ No
- Date and time presoak water added:
3-29-93 — 12:00
- Amount of presoak water added (gallons):
5
- Date and time percolation test is started:
3-30-93 — 9:40
- Did water remain in hole after the overnight swelling period:
Hole 1 ☐ Yes ☒ No
Hole 2 ☐ Yes ☒ No
Hole 3 ☐ Yes ☒ No

Percolation Rate Measurement

Percolation Rate (min./in.)	Hole 1	<u>20</u>
	Hole 2	<u>11</u>
	Hole 3	<u>10</u>
	Average	<u>14</u>

93-188

Groundwater:

- Encountered @ None feet
- Estimated depth to maximum seasonal water table if not encountered in profile: 10' ±
- Is area believed to be subject to seasonal fluctuations which could result in a seasonal water table within 8' of surface?
☐ Yes ☒ No

Slope determination in absorption area: 6 % to the S (direction)

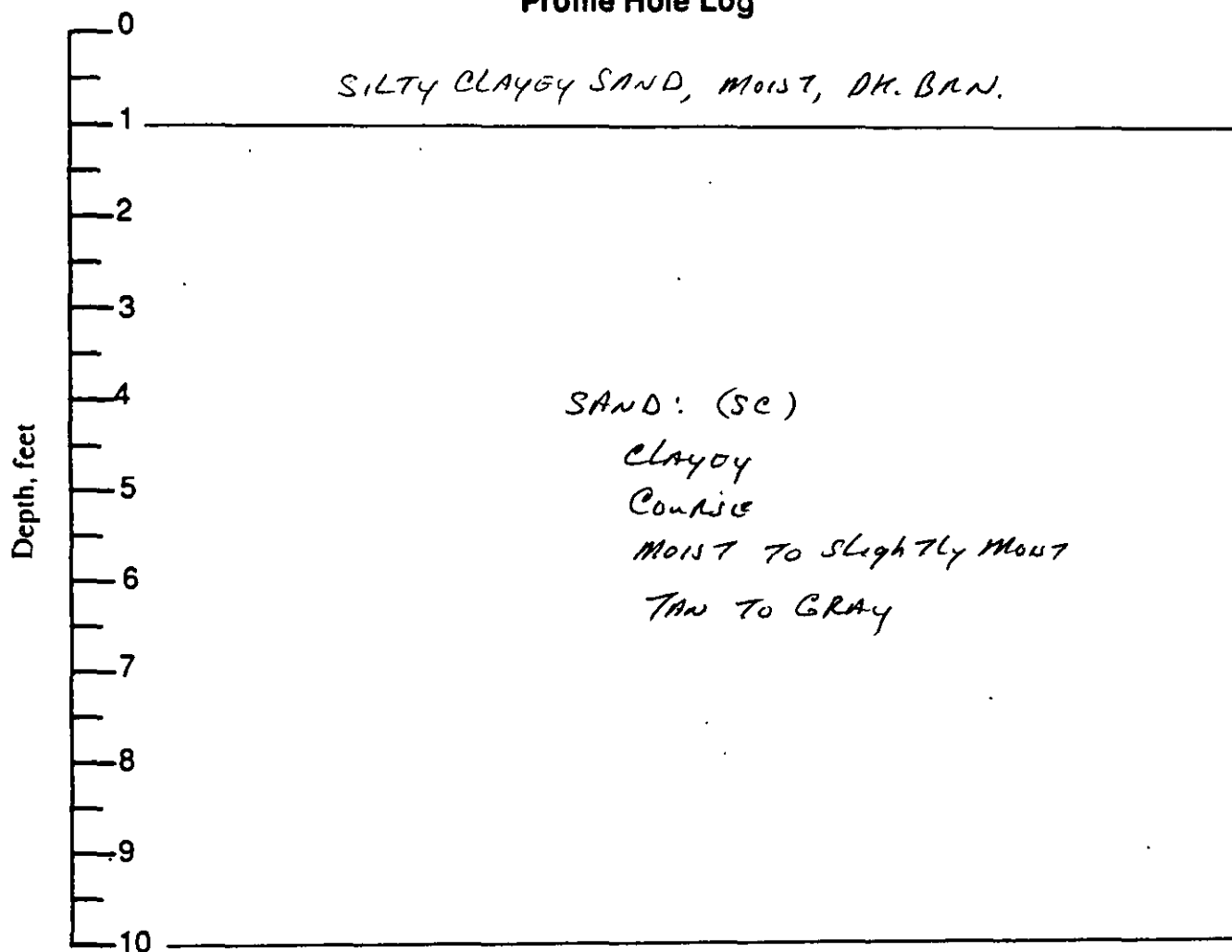
Bedrock:

- Encountered @ None feet
- Estimated depth if not encountered in profile: 10' ±
- Type of bedrock: ☐ Sandstone
☐ Claystone ☐ Siltstone
☐ Other
- Is bedrock fractured or weathered?
☐ Yes ☐ No
- Is bedrock believed to be permeable? (Perc rate <50 min./in.)
☐ Yes ☐ No

Profile Hole Information (Cont.)

(Soils must be classified using Unified System ASTM D2487)

Profile Hole Log



Certification

I certify that the above information is correct and complete to the best of my knowledge and that all tests were performed in accordance with the provisions of Tri-County Health Department Regulation I-88 by myself or under my supervision.

Raymond A. Stewart
Original Signature

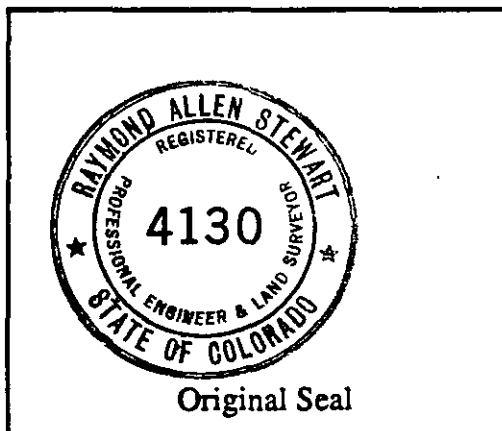
3-31-93

Date

Colorado Soil
Company Name

5 PHOEPS DR., C.R.
Address

688-9475
Phone



PERCOLATION TEST RESULTS

On March 30, 1993, percolation tests were conducted on the site known as LOT 60, FILING 2 - A THE HILLS AT BAYOU GULCH, DOUGLAS COUNTY, COLORADO.

The percolation tests were performed in accordance with the Tri-County Health Department Regulation No. 1-88, "Individual Sewage Disposal Systems".

The percolation rates of these tests are reported in minutes of time per inch of water drop. The field percolation rate is the average of all the test holes observed in the proposed leaching area.

SOIL PROFILE HOLE . . . 10 FEET DEEP

0' - 1' Silty Clayey Sand, Moist, Dark Brown

1' - 10' Clayey Sand, Course, Moist to Slightly Moist, Tan to Gray

PERCOLATION TEST HOLE #1 . . . 40 inches deep

Percolation rate = 20 minutes per inch

PERCOLATION TEST HOLE #2 . . . 50 inches deep

Percolation rate = 11 minutes per inch

PERCOLATION TEST HOLE #3 . . . 64 inches deep

Percolation rate = 10 minutes per inch

FIELD PERCOLATION RATE = 14 minutes per inch

A soil sample was taken at a depth of four feet (4') from the soil profile hole and consists of 10% moisture, 0 % gravel, 85 % sand, and 15% minus 200 material.

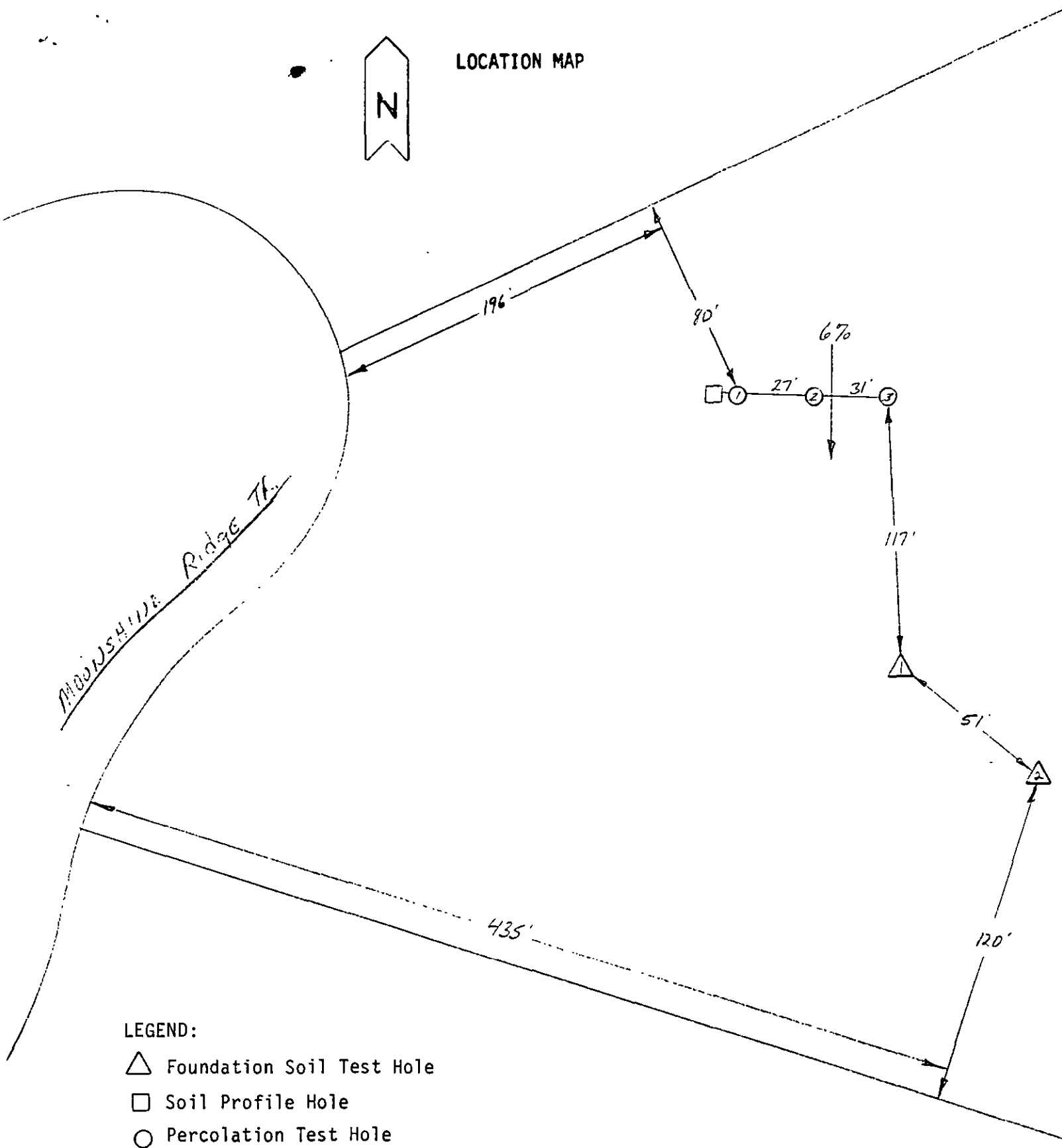
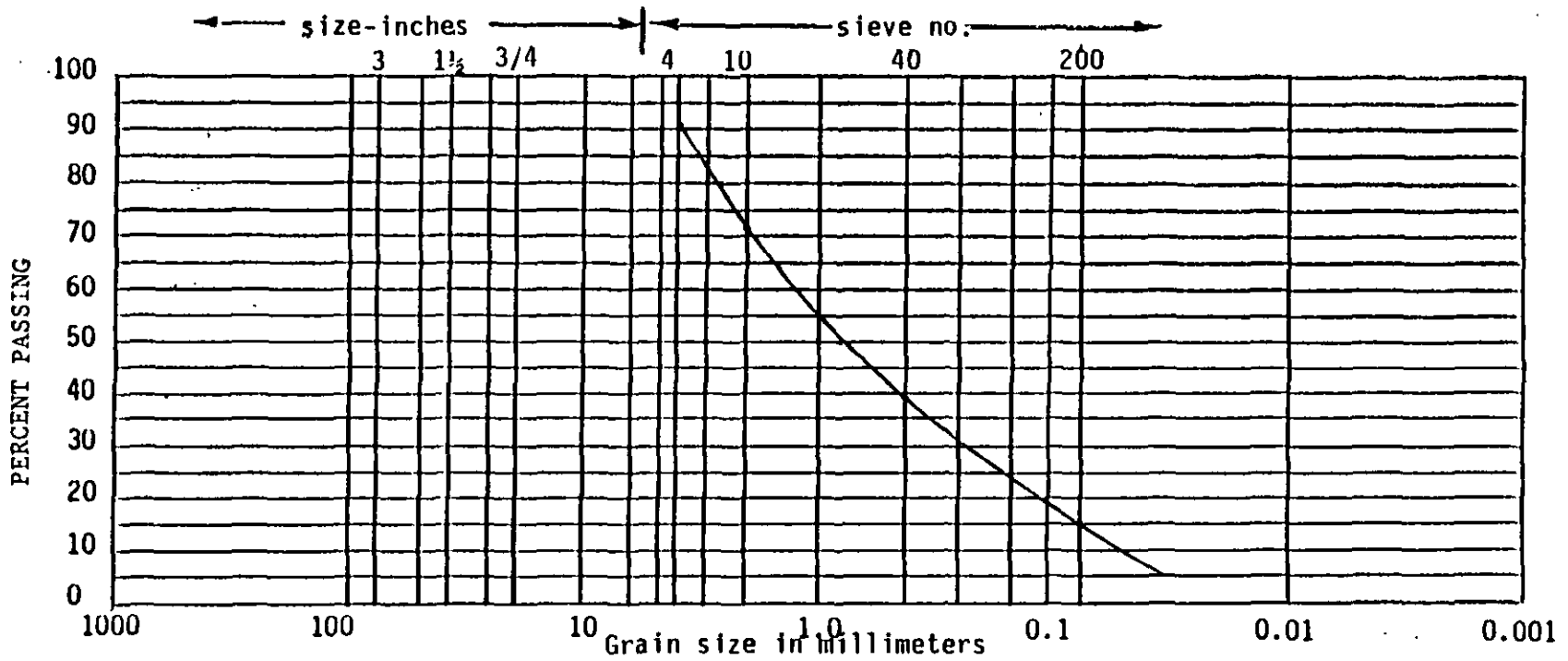


Figure 1

. U S STANDARD SIEVE SIZE



Cobbles	Gravel		Sand			Silt or Clay
	Coarse	Fine	Coarse	Medium	Fine	

NAME: Jewett
REPORT NO. 93-188
S.P.H. 1'-5'

FIELD PERCOLATION TEST DATA FORM

JOB # 93-188

LOCATION L-60 The Hills at Bayou Galch

DEPTH 40"

SOIL DESCRIPTION

PERCOLATION TEST BY

[illegible]

FIELD PERCOLATION TEST DATA FORM

JOB # 93-182

Jewett

L-60 The Hills at Bayou Gatch

2

50"

SOIL DESCRIPTION

PERCOLATION TEST BY

[illegible]

FIELD PERCOLATION TEST DATA FORM

JOB # 93-188

LOCATION

2-60 The Hills at Bayou Calch

TEST HOLE NUMBER

DEPTH 64"

SOIL PROFILE HOLE

SOIL DESCRIPTION

PERCOLATION TEST BY

[illegible]



Note:

This ISDS file contains oversized document(s).

Please refer to hard copy ISDS file to view these document(s).