

SANTA CRUZ COUNTY HEALTH DEPARTMENT APPLICATION AND PERMIT
FOR ON-SITE SEWAGE DISPOSAL SYSTEM

APPLICATION AND CERTIFICATE OF APPROVAL TO CONSTRUCT/RECONSTRUCT

PLEASE PRINT except where signature is required. This certificate shall be void if construction/reconstruction is not started within one year from the date of issue.

Date 12-11-95 Permit No. 12-24

Name CHUCK LEWTON Telephone 520-394-2632
(property owner)

Legal Description: LOT 23 THE MESA Parcel No.: 106-44-023
PATAGONIA AZ 85624

Mailing Address: PO Box 38 SONORA AZ 85637

System Will Be Installed By: Property Owner Licensed Contractor

I agree to perform all work in accordance with applicable regulations. A two working day notice is required to schedule an inspection. The certificate of approval to operate this system shall become void should a public sewer become available for connection, or the use of this system results in an environmental nuisance.

Signature [Signature] Date 8-22-95
(Property owner. If other than property owner, a signed notarized letter from property owner authorizing another to sign must be submitted with application)

No. of Bedrooms 3 Percolation Rate 3 minutes/inch
Required Septic Tank 1200 gal. Date of Subdivision 7/27/4
Required Disposal Field 607 sq. ft. Fee Paid 425
Certificate: Approved Disapproved _____*

Signature B. [Signature] R.S. Date Issued 12-17-95
(county health department official)

CERTIFICATE OF APPROVAL TO OPERATE THE SYSTEM

I (print) MIKE SWEED hereby certify (under penalty of applicable law and regulation) that this system was installed in accordance with approved plans and applicable regulations, and that this system was installed by (check one):

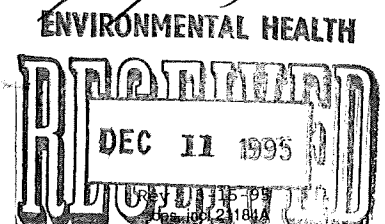
1. X Authorized Licensed Contractor 2. Property Owner
Name/DBA of Contractor EMPIRE S&S HOMES

Signature [Signature] Date 3-6-97
(property owner/contractor)

Certificate: Approved Disapproved _____*

Signature [Signature] Date Issued 3/6/97
(county health department official)

Additional Information:*



SANTA CRUZ COUNTY HEALTH DEPARTMENT

SEPTIC SYSTEM INSPECTION SCHEDULE FORM

A two working day notice is required to schedule an inspection. An inspection will be conducted two working days from the day of receipt of the inspection request.

1. An open trench/final inspection has been requested.
(circle one)
2. Date of request: 4-18-96 Time of request: 1:25
3. Name of requesting person & firm: Chap
4. Septic system permit number: 12-24
5. Location of septic system: The Mesa Lot 23
6. JL
Health Department person completing numbers 1-5 on this form.

7. Health Department person assigned: RL
8. Date of Inspection: 4/22/96
9. Arrival time at site: _____
10. Passed inspection: RL Failed inspection: JS *
11. Departure time from site: _____

* Comments:

- ①. ~~approval~~ based on inspection connection between home and septic tank ~~main~~. 2-way a/o.
- ②. 2nd pit. off center digging pit.
~~need final plan.~~
per conversation w/ Bob Chap will center disposal pipe on pit

Signature: _____

Health Department Representative

Date: _____

4/12/96

This form is to be attached to the septic permit.

LOT 23 THE MESA
 PARAGONIA AZ 85624
 CITLUCK LEWTON



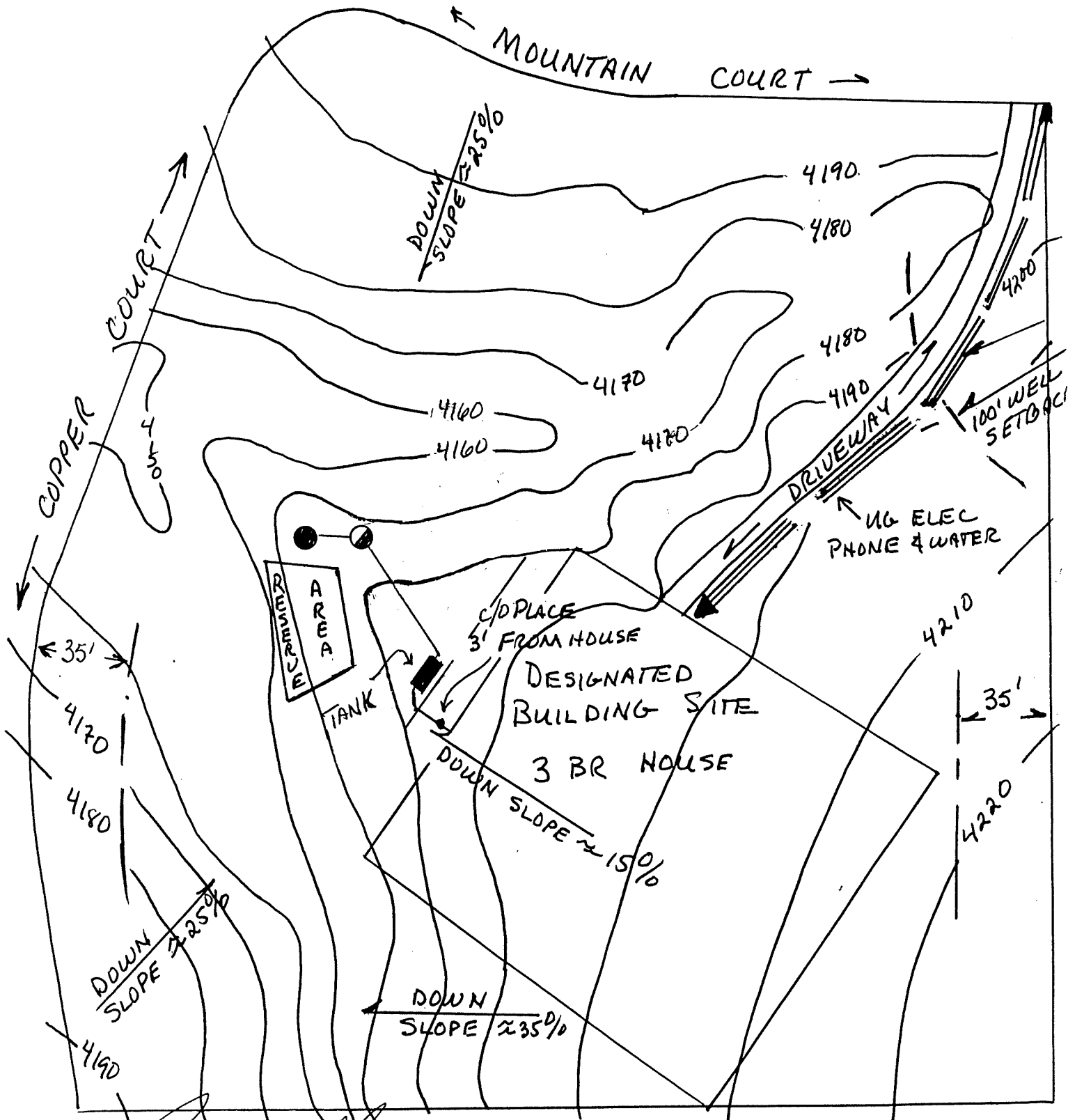
— INSET MAP —

SCALE 1" = 50'

0 150

● EXISTING PIT

○ REQUIRED PIT



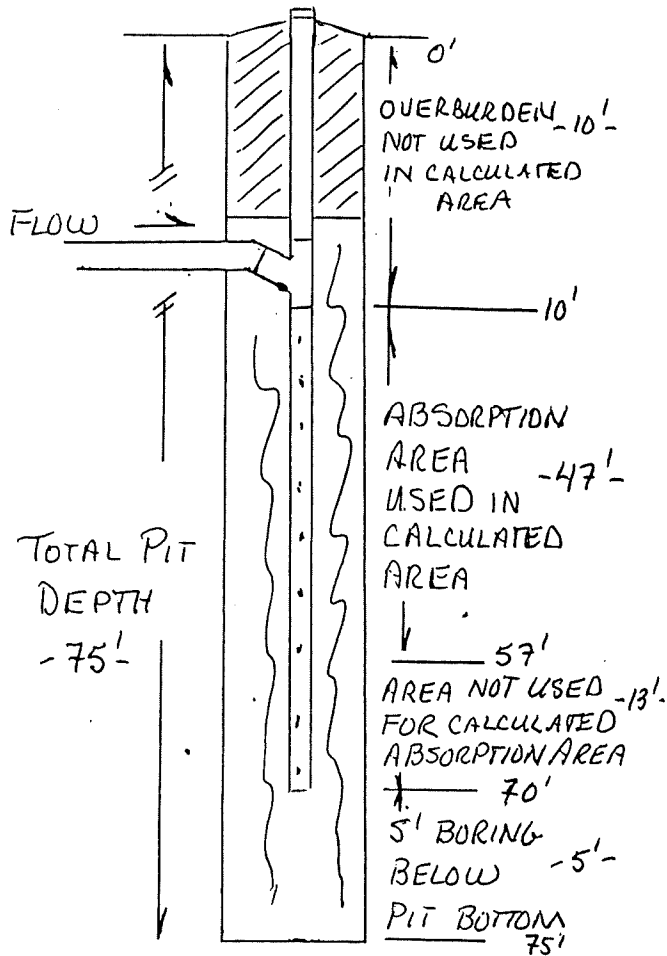
Robert A Chap 11/27/95
 ROBERT A CHAP STL-1

LOT 23 , THE MESA

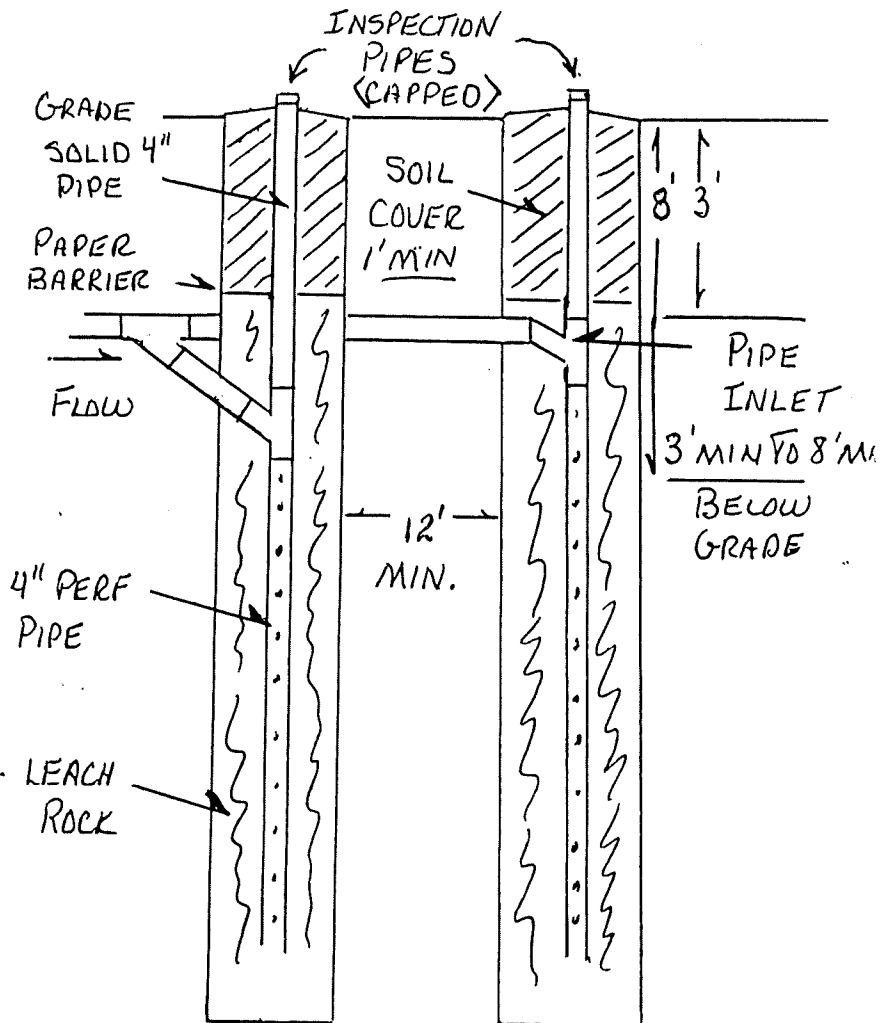
Patagonia, Az 85624

Chuck Lewton

PIT PROFILE



CONNECTION DETAILS



WELL DATA

The Mesa has 12 wells existing in the subdivision. Depth to water varies from 120' to 341' per well data. Depth to water of wells adjacent to lot 23 is 225' minimum giving a separation of 150'. AEB 12 requires 40' vertical separation for a 1-2 minute per inch percolation rate.

Robert A. Chap 11/27/95
Robert A. Chap, STL-1

**SEPTIC SYSTEM PLAN
LOT 23, THE MESA
PATAGONIA, AZ 85624**

OWNER: Chuck Lewton
PO Box 38
Sonoita, Az 85637
520-394-2632

CONTACT: Empire Homes, Inc.
PO Box 637
Sonoita, Az 85637
520-455-5506

DESIGN CRITERIA:

| | |
|---------------------------|---------------------------------------|
| Number Bedrooms | 3 |
| Perc Rate: | 3 mpi |
| Number of Pits: | 2 |
| Pit Depths: | 75 feet each - 38" diameter |
| Absorption Area Provided: | 940 sf (2 pits @ 47 feet usable each) |
| Absorption Area Required: | 607 sf (including 50% safety factor) |



CONSTRUCTION SPECS:

| | |
|--------------------|--|
| Tank: | 1200 gallon pre-cast concrete. (Note that the tank will support a 4 Bedroom house. Santa Cruz County Environmental Health is to be contacted in the event additional bedrooms are to be added to ensure proper septic requirements are met.) |
| Distribution Box: | None. |
| Disposal Pits: | 2 Required, 75 feet deep, 38" diameter. |
| Distribution Pipe: | 4" Diameter, solid. |
| Disposal Pipe: | 4" Perforated in gravel- solid to grade, provide cap. Note that top of the disposal pipe provides for inspection access. |
| Leach Rock: | 3/4" to 2 |

TEST RESULTS:

Santa Cruz County Environmental Health Department Confirmation # _____
Soil Profile: Top to 10': Brown clay soil with gravel & rocks to 4".
10' to 75': Light brown soil with some sand & gravel & rocks to 8".

*See attached "Test Data Sheet" Page 5 of 5

CERTIFICATIONS:

No sewer within 200 feet, no wells or other systems within 100 feet.
No live streams within 100 feet. No dry washes within 50 feet.
No water lines within 10 feet of disposal pit. No driveways within 5 feet of disposal pit.
No cuts on sloping terrain below the proposed disposal pit.
Depth to ground water more than 200 feet.
All soils in the area of the disposal pit were judged to be uniform.
All tests, plans & installation in accordance with Arizona Engineering Bulletin # 12.
No bedrock encountered based on drilling logs.
System to be installed by a licensed septic system contractor.

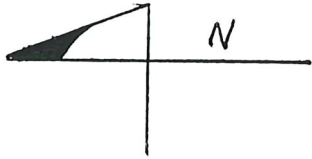
Robert A Chap 11/27/95
Robert A Chap STL-1

OK
BS 12-17-95

CHUCK LEWTON

LOT 23, THE MESA

PATAGONIA AZ 85624



SCALE 1"=200'



WELL ON LOT 22 SHARED
BY LOTS 22 & 23

* DESIGNATED BUILDING
SITE

TRAILWOOD
COURT

INSET
MAP

MOUNTAIN
COURT

EXISTING
WELL
(SHARED)

30' EASEMENT
FOR UTILITIES
TO RESERVOIR
SIDE

RESERVOIR
SITE - FOR
FUTURE TANK

3RD AVE

COPPER

24

25

COURT

41

40

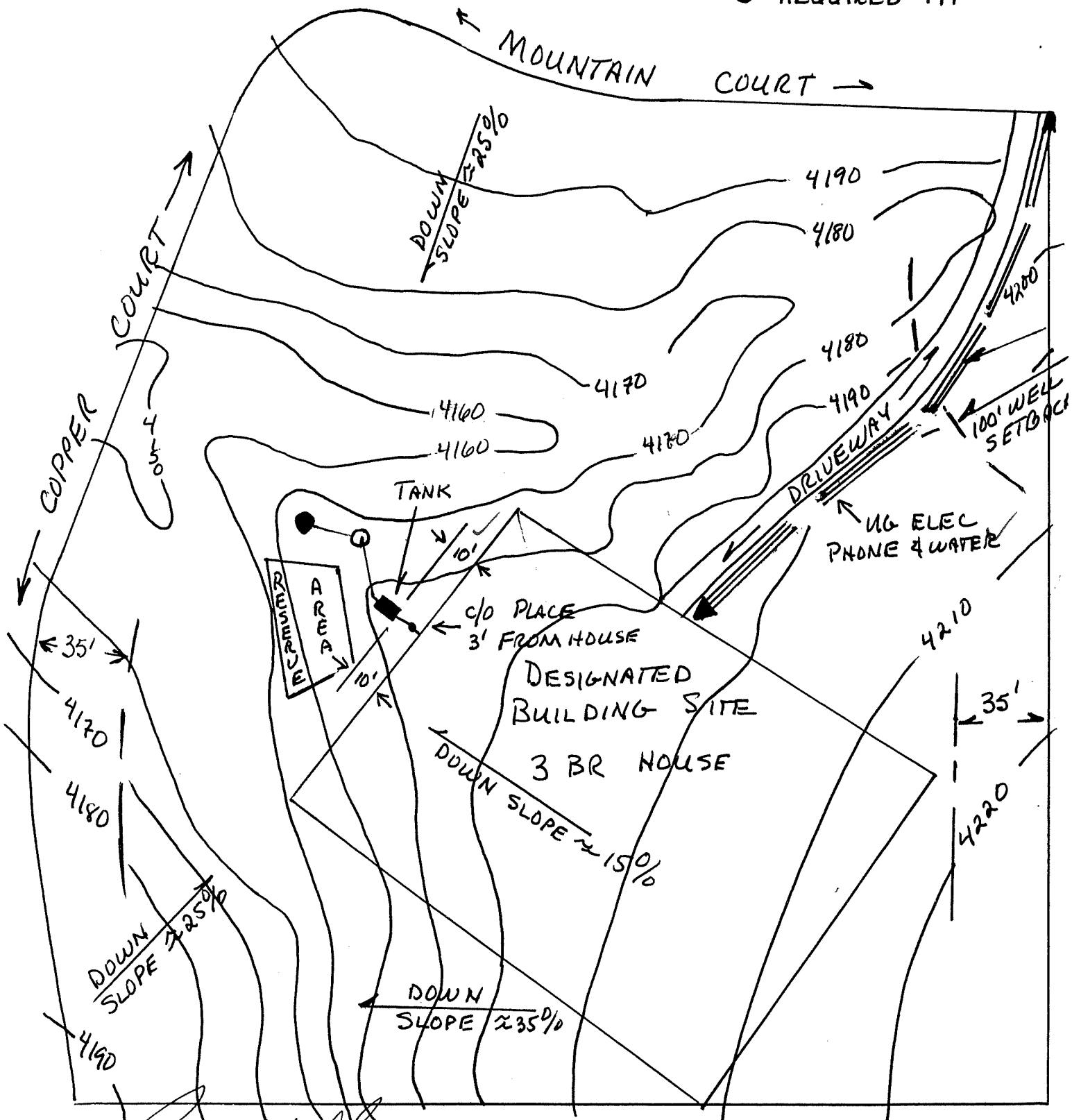
PAGE 2 OF 5

Robert A Chap
ROBERT A CHAP SUE-1

LOT 23 THE MESA
PATAGONIA AZ 85624
CITLUCK LEWTON



— INSET MAP —
SCALE 1" = 50'
0 150
● EXISTING PIT
● REQUIRED PIT



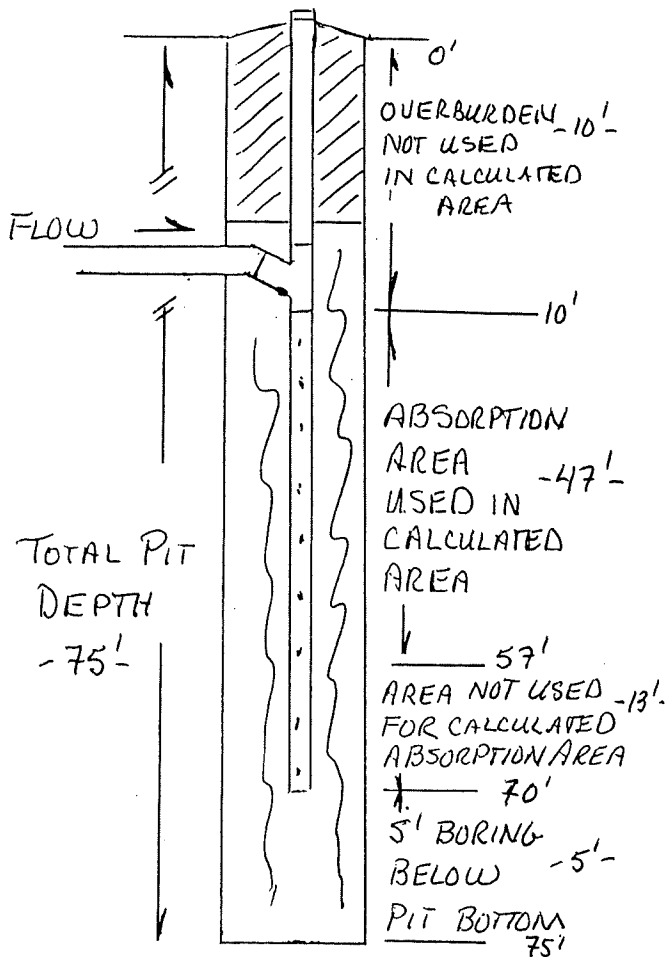
Robert A Chap 11/27/95
ROBERT A CHAP STL-1

LOT 23, THE MESA

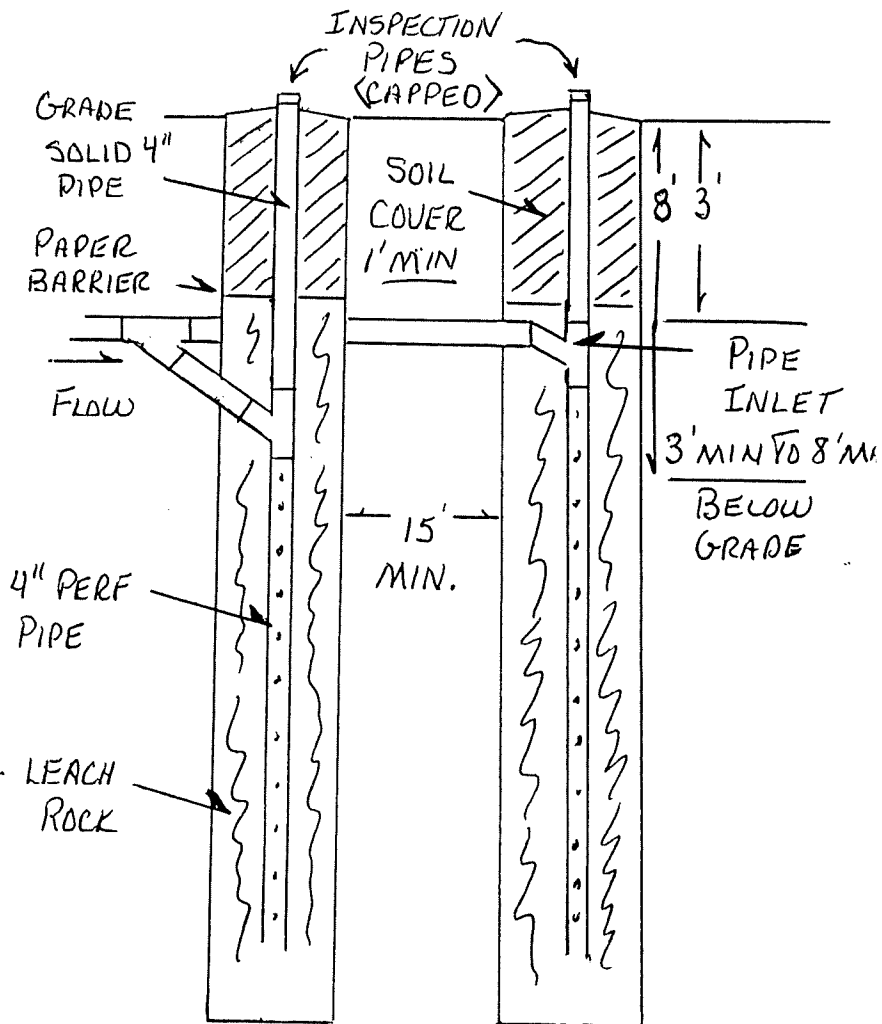
Patagonia, Az 85624

Chuck Lewton

PIT PROFILE



CONNECTION DETAILS



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Robert A. Chap 11/27/95
Robert A. Chap, STL-1

TEST DATA SHEET

LOT 23, THE MESA
PATAGONIA, AZ 85624

The test pit was pre soaked on July 31, August 1 & 2 using 2,000 gallons of water per day. Testing was done August 3, 1995. Pit depth was 75 feet deep from grade.

| <u>Time</u> | <u>Depth to Water from Grade</u> |
|-------------|----------------------------------|
| 07:03 | 71'-2" |
| 07:08 | 71'-3 1/8" |
| 07:13 | 71'-4 1/8" |
| 07:18 | 71'-5 1/4" |

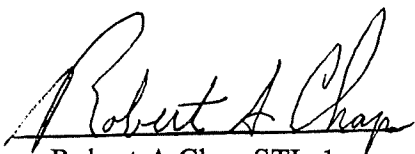
ADD WATER

| | |
|-------|------------|
| 07:41 | 57'-3 1/8" |
| 07:46 | 57'-6 1/4" |
| 07:51 | 57'-9 3/8" |

ADD WATER

| | |
|-------|--------------|
| 09:28 | 17'-5" |
| 09:33 | 17'-9 1/4" |
| 09:38 | 18'-1 3/8" |
| 09:43 | 18'-5 5/8" |
| 14:21 | 30'-6 5/16" |
| 14:26 | 30'-8 1/16" |
| 14:31 | 30'-9 13/16" |
| 14:36 | 30'-11 1/2" |
| 16:11 | 33'-1 5/8" |
| 16:16 | 33'-3 7/8" |
| 16:21 | 33'-6 1/8" |
| 16:26 | 33'-8 1/4" |

Note that the design requirement for a three bedroom house is 600 gallons per day. The presoaking using 2,000 gallons per day demonstrates that the test pit can easily and safely handle the design requirement of 600 gallons per day.


Robert A Chap STL-1

11/27/95