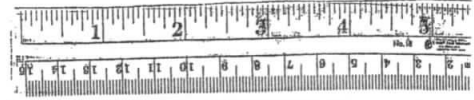
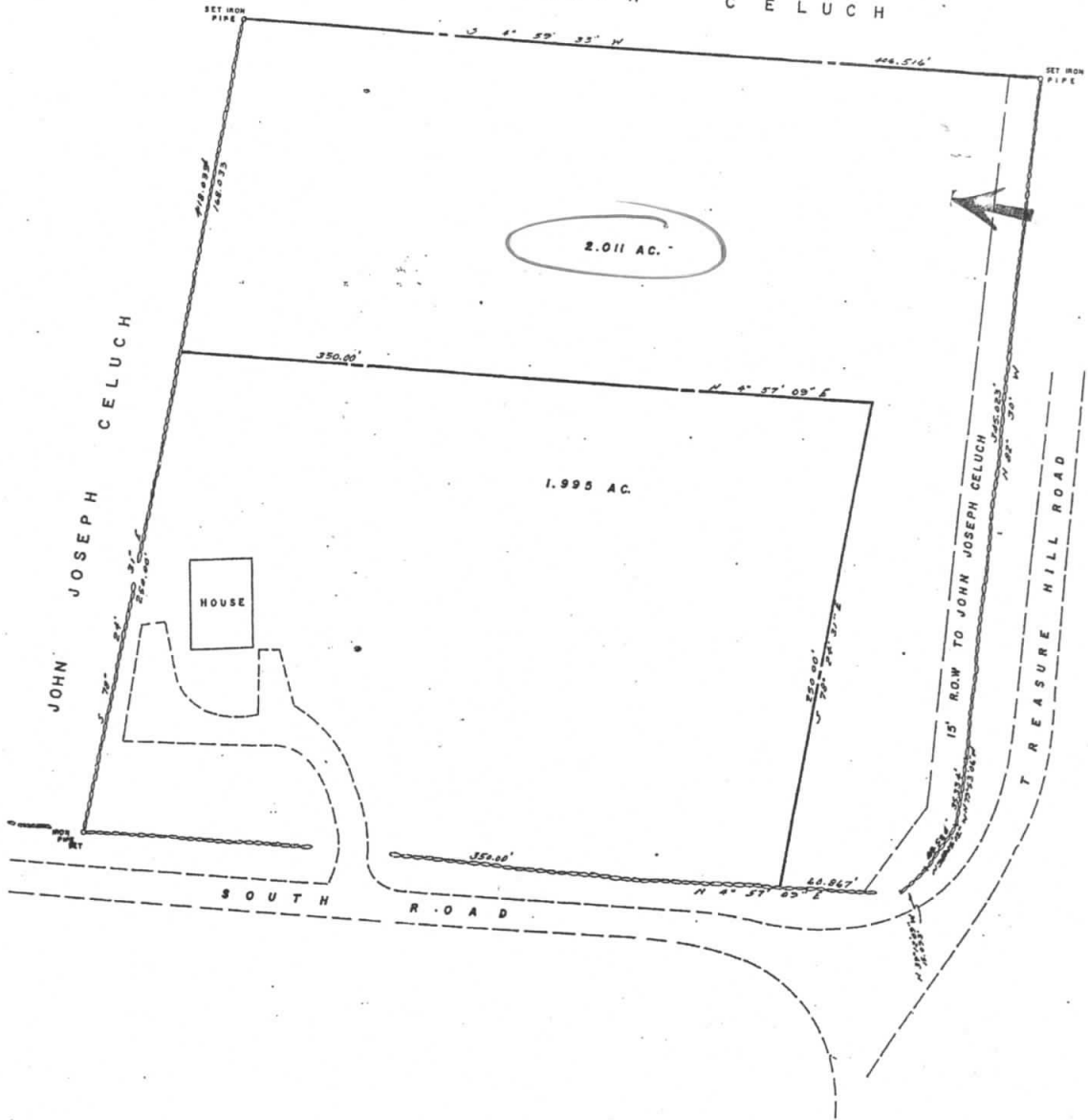


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JOHN JOSEPH CELUCH



Map No. 710
 Received & Filed
 Sept. 30, 1968
Thorpe A. McMillan
 Survey Clerk

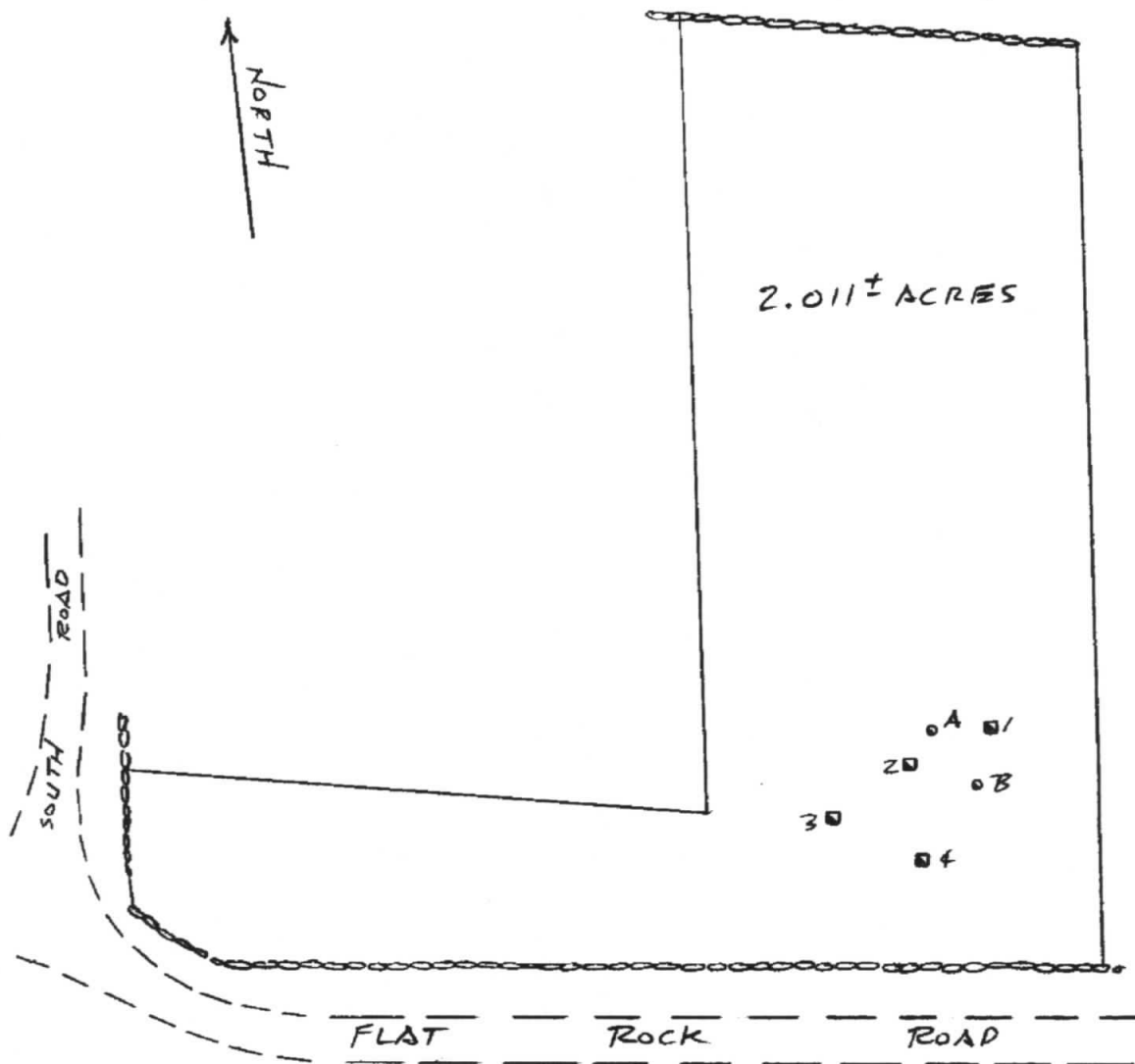
4.006 ACRES
 MAP PREPARED FOR
Laura Simms
 TREASURE HILL ROAD & SOUTH ROAD
 TOWN OF KENT COUNTY OF LITCHFIELD
 STATE OF CONNECTICUT
 SCALE 1" = 40' SEPTEMBER, 1968

Highway boundary locations are subject to establishment of the highway layout.
 CLASS A-1 survey certified substantially correct and in accordance with the Connecticut Technical Code.
 T. S. New Milford, Connecticut

SOIL INSPECTION & PERCOLATION TEST RESULTS

Laura Simms estate 2.011 acre lot
Flat Rock Road & South Road
Kent, Connecticut

Testing Conducted By: Brian E. Neff, P.E.
Test Date: April 27, 2010



TEST SITE SKETCH PLAN

NOT TO SCALE

- SOIL INSPECTION PIT
- PERCOLATION TEST HOLE

SOIL INSPECTION & PERCOLATION TEST RESULTS

Laura Simms estate 2.011 acre lot
Flat Rock Road & South Road
Kent, Connecticut

Testing Conducted By: Brian E. Neff, P.E.
Test Date: April 27, 2010

SOIL INSPECTION PIT: NO. 4

0" – 8" Dark brown topsoil
8" – 23" Orange brown fine sandy loam
23" – 86" Gray fine sand w/some silt (moderately compact)

No ledge observed
Mottling observed at 23"
Groundwater seepage observed at 82"
Roots observed to 48"

PERCOLATION TEST HOLE: A

Hole depth: 24" Presoak = 1 hour

| <u>DEPTH</u> | <u>TIME</u> | <u>T/D</u> |
|--------------|-------------|------------|
| 7.0" | 10:20 | refill |
| 10.0" | 10:30 | 3.3 |
| 12.625" | 10:40 | 3.8 |
| 14.75" | 10:50 | 4.7 |
| 16.375" | 11:00 | 6.1 |
| 18.0" | 11:10 | 6.1 |
| 19.5" | 11:20 | 6.7 |

Percolation rate: 6.7 minutes per inch

PERCOLATION TEST HOLE: B

Hole depth: 24" Presoak = 1 hour

| <u>DEPTH</u> | <u>TIME</u> | <u>T/D</u> |
|--------------|-------------|------------|
| 8.25" | 10:22 | refill |
| 11.75" | 10:32 | 2.8 |
| 14.5" | 10:42 | 3.6 |
| 16.75" | 10:52 | 4.4 |
| 18.25" | 11:02 | 6.7 |
| 19.375" | 11:12 | 8.9 |
| 20.375" | 11:22 | 10.0 |

Percolation rate: 10.0 minutes per inch

SOIL INSPECTION & PERCOLATION TEST RESULTS

Laura Simms estate 2.011 acre lot
Flat Rock Road & South Road
Kent, Connecticut

Testing Conducted By: Brian E. Neff, P.E.
Test Date: April 27, 2010

SOIL INSPECTION PIT: NO. 1

0" – 15" Dark brown topsoil
15" – 32" Orange brown fine sandy loam
32" – 60" Gray fine sand w/some silt (moderately compact)

Ledge observed at 60"
Mottling observed at 32"
No groundwater seepage observed
Roots observed to 44"

SOIL INSPECTION PIT: NO. 2

0" – 8" Dark brown topsoil
8" – 24" Orange brown fine sandy loam
24" – 80" Gray fine sand w/some silt (moderately compact)

Ledge observed at 80"
Mottling observed at 24"
No groundwater seepage observed
Roots observed to 30"

SOIL INSPECTION PIT: NO. 3

0" – 10" Dark brown topsoil
10" – 23" Orange brown fine sandy loam
23" – 56" Gray fine sand w/some silt (moderately compact)

Ledge observed at 56"
Mottling observed at 23"
No groundwater seepage observed
Roots observed to 36"

Brian E. Neff, P.E.

Licensed Engineer

128 Bacon Road
Roxbury, Connecticut 06783
Phone & Fax: (860) 354-2246
E-Mail: bneffpe@sbcglobal.net

SOIL INSPECTION & PERCOLATION TEST RESULTS

Laura Simms estate 2.011 acre lot
Flat Rock Road & South Road
Kent, Connecticut

Testing Conducted By: Brian E. Neff, P.E.
Test Date: April 27, 2010

SPECIAL CONDITIONS:

| | | |
|--|---|--|
| System design larger than 2,000 g.p.d.? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Water supply watershed? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| High groundwater (less than 3 ft.)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Possible seasonal high groundwater? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Watercourse, pond or wetland? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Possible seasonal flooding? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Limited suitable area? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Excessive slope (over 25%)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Marginal soil (30-60 mins/inch)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Shallow ledge (less than 5 ft.)? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Underlying tight soil (less than 4 ft.)? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

CONCLUSION:

| | | |
|--------------------------------------|---|--|
| Suitable for sewage disposal? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Additional investigation required? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Retest during wet season? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Monitor groundwater thru wet season? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Engineer's plan required? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

DESIGN RECOMMENDATIONS:

Some septic fill will be required in the leaching field to allow the trenches to be elevated a minimum of 18" above compact subsoil and 48" above subsurface ledge. a (4) bedroom house septic system would consist of a 1250 gal. septic tank and a leaching field providing a minimum of 660 sq. ft. of effective leaching area.

TESTING WITNESSED BY: Cathy Weber

TITLE: Torrington Area Health District
Registered Sanitarian

Brian E. Neff, P.E.

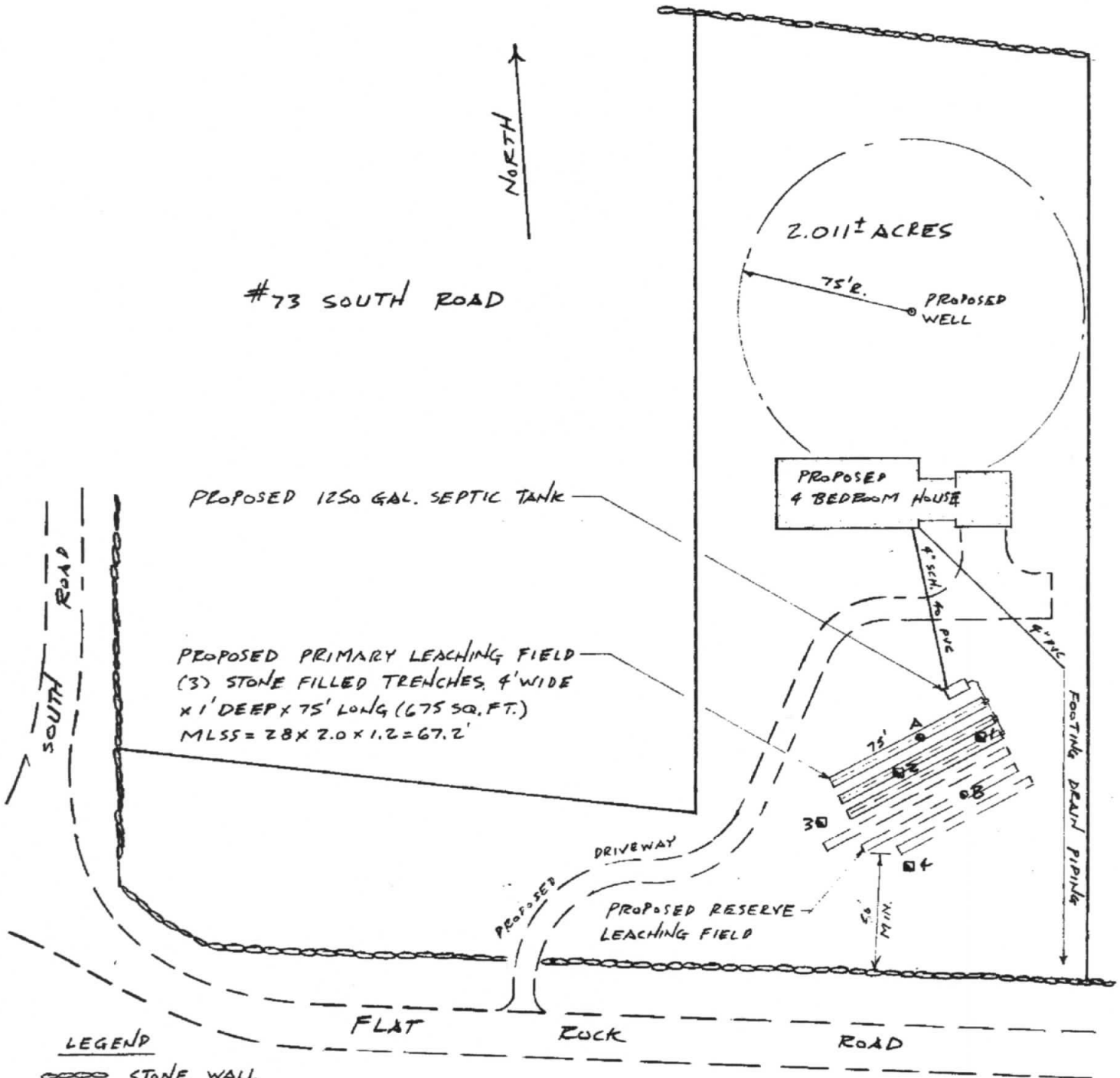
Licensed Engineer

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SCHEMATIC SEPTIC SYSTEM PLAN

2.011 ACRE LOT FLAT ROCK ROAD
KENT, CONNECTICUT

5-15-10



PLAN SCALE: 1" = 60'