E

Type

Plans

SEV07-1015

Permit Number

795

Street Number

Watertrough Rd

Street Name

TWI

Community Code

076-071-019

APN

Request for Well and Septic Service

WLS-006

PURPOSE: This form is used to request a paid service from the Well & Septic Division of the Permit and Resource Management Department (PRMD) related to an existing or proposed septic system. **A permit application may be required following the requested service.**

10-3-07
Date of Request

SEW07-1015
SEV Number

795 Wakefrough Rd.
Site Address

Burnside
Cross Street

Sebastopol 95472
City/Town Zip

076-071-019
Assessor's Parcel Number

~~Peter Sri Schmidt~~ JEFF Schween
Applicant Name

Carol Blaha
Property Owner's Name

600 Bicentennial Way Ste. 100, CA 95403
Mailing Address State/Zip

795 Wakefrough Rd. CA 95472
Mailing Address State/Zip

535-8809
Day Phone

480-7653
Day Phone

Service Requested:
Pre-Percolation Test w/ Mike Trienen

PAYMENT REC'D
$
OCT 04 2007
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
COUNTY OF SONOMA

---------- ◆ DO NOT WRITE BELOW THIS LINE - To Be Completed by PRMD Staff ◆ ----------

Code Enforcement Violation Yes ☐ No ☐ Violation # _____

Status _____

Staff Comments/Notations

Staff Signature _____ Date Completed _____

Sonoma County Permit and Resource Management Department
2550 Ventura Avenue ❖ Santa Rosa, CA ❖ 95403-2829 ❖ (707) 565-1900 ❖ Fax (707) 565-1399

Mailed 1/13/8

COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403-2829
(707) 565-1900 FAX (707) 565-1399

PRE-PERCOLATION INVESTIGATION REPORT

DATE: January 14, 2008

TO: Mike Treinen
4910 Hayfield Court
Santa Rosa, CA 95404

RE: 795 Watertrough Road
Sebastopol, CA 95472
APN: 076-071-019
SEV07-1015

Dear Mr. Treinen:

A site inspection was conducted with you on October 9, 2007 to find a suitable area to install a Class 1 system for the addition of a new dwelling or a Class 2 system for the remodel of the existing 1-bedroom dwelling. Six profile holes (E - J) were observed and logged (see attachment). The site is within groundwater availability zone 2 and is identified as Goldridge fine sandy loam by the Sonoma County soil survey map.

The current standard system is categorized as a Class 3 system based upon percolation data documented from 1990, which indicates an average percolation rate of 76mpi.

Based on soil morphology and site conditions, the area of profile holes C through J appear suitable for a standard fill land system with an interceptor drain, sized at 30mpi. Please note that standard systems do not require an operational permit. Percolation testing is not required.

Profile holes C through J would also be suitable for a drip system, mound system or at-grade system with pre-treatment at a linear loading rate of 7 and a soil application rate of 0.56 gal/sq ft/day. Each of these three systems would require an operational permit. For a drip system, drip line installation is recommended at 12". An interceptor drain would be required to be installed. Percolation testing is not required.

Based on the lot's creation prior to October 1971, a 100% reserve expansion area shall be provided for a mound system. However, a 200% reserve expansion area would be necessary for a drip system, at-grade system or standard fill land system. The septic system design shall meet all Sonoma County PRMD requirements and setbacks, including 100 feet from any wells. If you have any questions, please call me at (707) 565-3771 from 8:00-9:00am.

Sincerely,

C Baranov

Christine Baranov, REHS
Well & Septic Division, PRMD

c: Property Owner

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 - (707) 527-1900

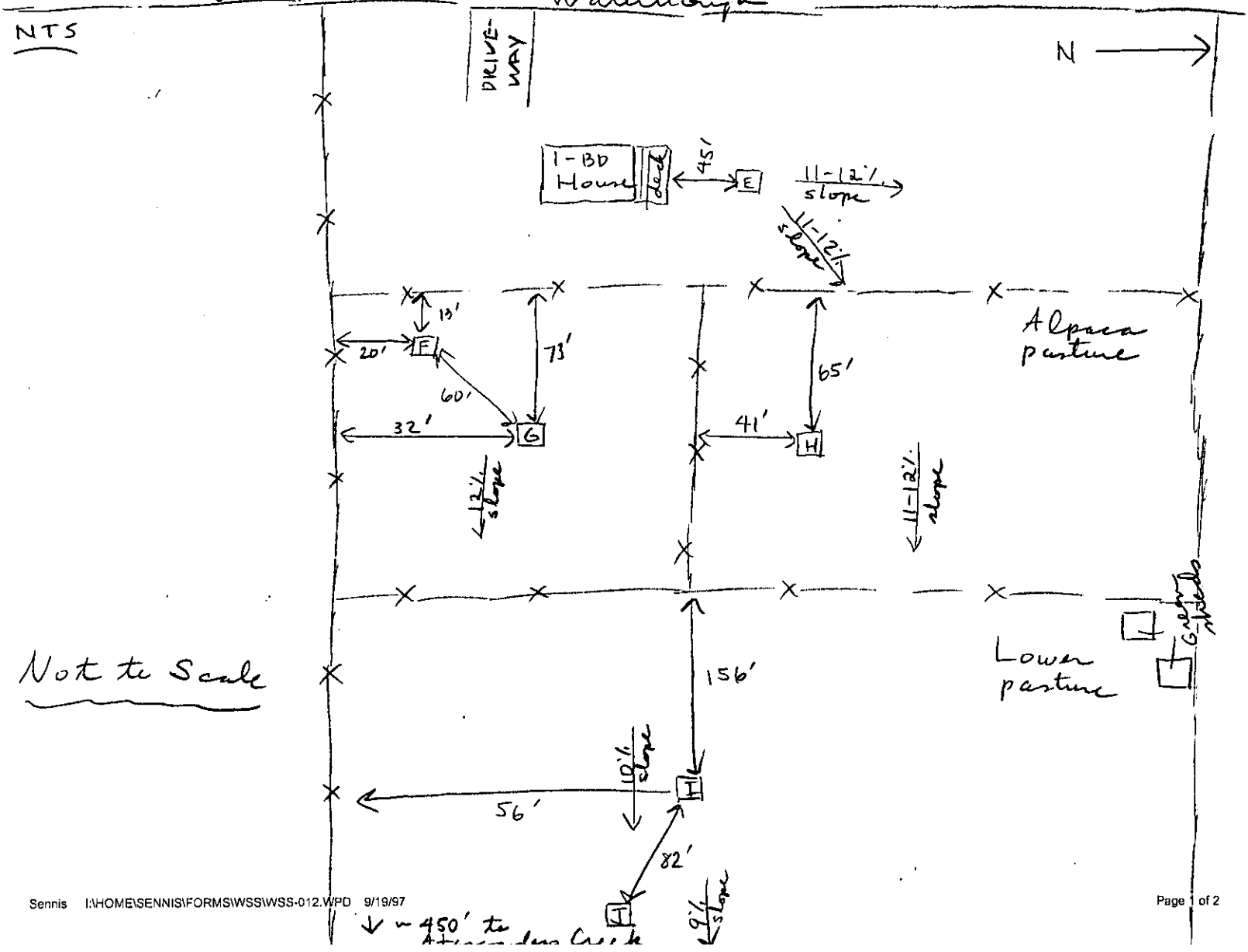
Pre-Perc Field Notes SEV07-1015

Address: 795 Watertrough	Pre-Perc date: 10/9/07 Time: 11 am
AP# 076-071-019	Site Review by: C. Barrow
Test conducted by: Tillman	Subdivision: Yes ☐ No ☒ Initial ☐ Supp. ☐
Test verified by:	Water availability zone: Zone 2
Special standards area:	SCS soil type: Goldridge fine sandy loam
Topography: Ridge ☐ Slope ☒ Saddle ☐ Basin ☐	Convex ☐ Planar ☐ Concave ☐
Setbacks: Cutbank/grade break ☐ Wells ☐ Springs ☐ Streams ☐ Ponds ☐ Drainage ☐	
Areas of concern: Trees ☐ Drainage ☐ Geology report ☐ Rock outcrops ☐ % Rock: GW ☐	
Hydrometer test: Yes ☐ No ☒ Depth(s):	Bulk density: Yes ☐ No ☐ Depth:
Wet-weather perc required: Yes ☐ No ☒	Wet-weather groundwater required: Yes ☐ No ☒
Subsoil perc depth(s):	Pump System: Yes ☒ No ☐ Perc depth(s):
Type of system: Mound, At-grade + dmp Eng. Design ☒	Topographic map req. ☒ Geology report req. ☐

Comments: New 2nd dwelling, as well as remodel of existing 1-BD dwelling proposed. Would like Class I for new dwelling or Class II for existing. Proposing mound (LLR 7), at-grade or dmp. Propose 12" + 24" deep perc. testing (dry weather)

Site Map: — Watertrough — — — — —

NTS



Not to Scale

Profile: E Average Ground Slope: 11-12%.

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-19"	10YR 4/4	<5	SL	B-Mod.	VFr	Dr	many	fine
19-30"	10YR 5/4	<5	SL	B-Mod.	Fr	Dr	many	fine
30-39"	10YR 6/3 5/6	<5	SCL	B-Str	Fr-F	Dr	fine	0

Mottling: @ 36" Reduction X Oxidation X Depth to groundwater: Perc depth:

Other:

Profile: F Average Ground Slope: 12%.

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-31"	10YR 5/4	<5	SL	B-Mod.	Fr	Dr	many	fine
31-41"	10YR 6/6	<5	SCL	B-Str	F-VF	Dr	fine	0

Mottling: @ 38" Reduction X Oxidation X Depth to groundwater: Perc depth:

Other:

Profile: G Average Ground Slope: 12%.

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-20"	10YR 5/4	<5	SL	B-Mod	VFr-Fr	Dr	many	many fine
20-40"	10YR 5/6 4/4	<5	SL	B-Mod	VFr-Fr	Dr	many	few fine
40"-46"	10YR 6/3 6/4	<5	SCL	B-Str	Fr-F	Dr	some fine	0

Mottling: @ 40" Reduction X Oxidation X Depth to groundwater: Perc depth:

Other:

Abbreviations:

USDA Texture: Gravel=G, Sand=S, Loamy Sand=LS, Sandy Loam=SL, Sandy Clay Loam=SCL, Sandy Clay=SC, Silt Loam=SiL, Loam=L, Clay Loam=CL, Silty Clay Loam=SiCL, Clay=C

Structure: Granular=G, Platy=p, Blocky=B, Prismatic=Pr, Massive=M, Columnar=C

Consistency: Loose=L, Very Friable=VFr, Friable=Fr, Firm= F, Very Firm=VF, Extremely Firm=EF, Solid (BH refusal)=S

Moisture: Dry=Dr, Damp=D, Very Damp=VD, Saturated=S, Seepage=Se

Profile: H Average Ground Slope: 11-12%.

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-27"	10YR 4/6	<5	SL	B-Mod	Fr	Dr	many	fine
27-38"	10YR 6/6	<5	SL	B-Str	Fr-F	Dr	few fine	few fine
38-43"	10YR 6/3 6/6	<5	SL	B-Str	Fr-F	Dr	few fine	D

Mottling: @ 37" Reduction X Oxidation X Depth to groundwater: Perc depth:

Other:

Profile: I Average Ground Slope: 10%.

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-18"	10YR 3/4	<5	SL	B-Mod	VFr-Fr	D.	many	fine
18-35"	10YR 4/3	<5	SL	B-Str	Fr-Sl.F	Dr	many	fine
35-37"	10YR 6/2, 6/6 6/3	<5	SCL	B-Str	VF	Dr	few fine	D

Mottling: @ 37" Reduction X Oxidation X Depth to groundwater: Perc depth:

Other:

Profile: J Average Ground Slope: 9%.

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-28"	10YR 4/2	≥5	SL	B-Mod	Fr	Dr	many	fine
28-39"	10YR 5/2 5/8	<5	SCL	B-Str	Fr-F	Dr	few fine	D

Mottling: @ 28" Reduction X Oxidation X Depth to groundwater: Perc depth:

Other:

Abbreviations:

USDA Texture: Gravel=G, Sand=S, Loamy Sand=LS, Sandy Loam=SL, Sandy Clay Loam=SCL, Sandy Clay=SC, Silt Loam=SiL, Loam=L, Clay Loam=CL, Silty Clay Loam=SiCL, Clay=C

Structure: Granular=G, Platy=p, Blocky=B, Prismatic=Pr, Massive=M, Columnar=C

Consistency: Loose=L, Very Friable=VFr, Friable=Fr, Firm= F, Very Firm=VF, Extremely Firm=EF, Solid (BH refusal)=S

Moisture: Dry=Dr, Damp=D, Very Damp=VD, Saturated=S, Seepage=Se

MIKE TREINEN, REHS
ONSITE WASTEWATER CONSULTANT
4910 HAYFIELD CT.
SANTA ROSA CA 95404-9550

October 12, 2007

Christine Baranov, REHS
Well and Septic Division
Permit and Resource Management Department
2550 Ventura Ave
Santa Rosa CA 95403

Re: 795 Watertrough Rd., A.P. # 076-071-019

Dear Christine,

Thank you for meeting with us on October 9, 2007. The buyers of this parcel wish to determine the onsite wastewater potential of the site for a new house. They also wish to determine the class of the existing system for remodeling purposes.

Please review the Well and Septic records that show a pre-perc and percolation test done in 1990. At the time, a Pressure Distribution System was approved for design. Changes in required depth of soil have made that system unsuitable. This current test validates as well as expands the testing done in 1990. This 4 plus acre parcel consists of gentle slopes of approximately 9-12%. The test areas are shown on the attached plot map. The site consists of a one bedroom home and a permitted septic system consisting of a 1200 gallon concrete tank and 200 feet of leach line.

Six exploratory profiles were done. I used lettering E – J to avoid confusion with the 1990 profiles A-D. The holes ranged from 34-45 inches in depth. The profiles were relatively consistent in having very friable sandy loams over sandy loams of increasing firmness. Please see the field notes.

For a new home, the site is suitable for a Class 1 Mound system, At-Grade with pre-treatment, or Drip. Percolation testing exceeding 60 mpi was established at 36 and 42 inches in 1990. For a Mound, percolation testing at 24 inches is needed; for an At-Grade or Drip, percolation testing at 12 and 24 inches is needed (and 36 inches if the system is proposed in an area where no 36 inch tests have already been done). I believe testing at 12 and 24 inches will show generally satisfactory results. I would support a Mound as the most appropriate system for this site.

For the existing home, I ask that the existing system be designated class 2 (55% remodeling with no additional bedrooms). The soils are friable to firm sandy loams. The system consists of 200 feet of leach line for one bedroom, is working well, and there is substantially more than 100% reserve area.

Should you need further information regarding this report, please contact me at 707-526-0872.

Respectfully,

Mike Treinen

Mike Treinen,
California Registered Environmental Health Specialist # 3826

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 - (707) 527-1900

Pre-Perc Field Notes by M.T.

Address: 795 Watertrough	Pre-Perc date: 10/1/07	Time: AM	
AP# 076-071-019	Site Review by: Christine Baranov		
Test conducted by: Mike Treanor	Subdivision: Yes ☐ No ☑	Initial ☐	Supp. ☑
Test verified by: " "	Water availability zone: 2		
Special standards area: No	SCS soil type: Goldridge		
Topography: Ridge ☐ Slope ☑ Saddle ☐ Basin ☐	Convex ☐ Planar ☑ Concave ☐		
Setbacks: Cutbank/grade break ☐ Wells ☑ Springs ☐ Streams ☐ Ponds ☐ Drainage ☐			
Areas of concern: Trees ☐ Drainage ☐ Geology report ☐ Rock outcrops ☐ % Rock: GW ☐			
Hydrometer test: Yes ☐ No ☑ Depth(s):	Bulk density: Yes ☐ No ☑ Depth:		
Wet-weather perc required: Yes ☐ No ☑	Wet-weather groundwater required: Yes ☐ No ☑		
Subsoil perc depth(s): —	Pump System: Yes ☑ No ☐ Perc depth(s): 12, 24		
Type of system: →	Eng. Design ☐ Topographic map req. ☐ Geology report req. ☐		
Comments: LLR + Mound, AT Grade, Drip			

Site Map:

See attached plot

795 Watertrough Profile: E Average Ground Slope: 11-12% by MT

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-12	10yR 4/4	0	SC	B	VFr	D	Good	Fine
12-21	"	0	"	B	Fr	D	"	"
21-39	10yR 6/6	0	"	B	F	D	Few	0

Mottling: Reduction ☐ Oxidation ☐ Depth to groundwater: Perc depth:

Other:

Profile: F Average Ground Slope: 11-12%

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-24	10yR 4/3	0	SL	B	VFr/Fr	Dr	Good	Fine
	A/B 3rd Horizon in G							

Mottling: Reduction ☐ Oxidation ☐ Depth to groundwater: Perc depth:

Other:

Profile: G Average Ground Slope: 12%

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-20	10yR 4/3	0	SC	B	VFr	Dr	Good	Fine
20-34	" 6/4	0	"	"	Fr	"	"	"
34-45	"	0	"	B	Fr/F	"	Few	0

Mottling: 34" faint Reduction ☐ Oxidation ☑ Depth to groundwater: Perc depth:

Other:

Abbreviations:

USDA Texture: Gravel=G, Sand=S, Loamy Sand=LS, Sandy Loam=SL, Sandy Clay Loam=SCL, Sandy Clay=SC, Silt Loam=SiL, Loam=L, Clay Loam=CL, Silty Clay Loam=SiCL, Clay=C

Structure: Granular=G, Platy=p, Blocky=B, Prismatic=Pr, Massive=M, Columnar=C

Consistency: Loose=L, Very Friable=VFr, Friable=Fr, Firm= F, Very Firm=VF, Extremely Firm=EF, Solid (BH refusal)=S

Moisture: Dry=Dr, Damp=D, Very Damp=VD, Saturated=S, Seepage=Se

795 Water trough Profile: H Average Ground Slope: 10% by M.T.

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-27	10YR 4/4	0	SL	B	VF	D	Good	Fine
27-41	" 6/4	0	SL	B	Fr/F	"	Fine	"

Mottling: faint 31 Reduction ☐ Oxidation ☑ Depth to groundwater: Perc depth:

Other:

Profile: I Average Ground Slope: 10%

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-18	10YR 3/3	0	SL	B	VFr	Dr	Med	Fine
18-24	"	"	"	"	Fr	"	"	"
24-34	" 5/3	0	"	"	Fr	"	"	"

Mottling: Light to 32 Reduction ☐ Oxidation ☑ Depth to groundwater: Perc depth:

Other:

Profile: J Average Ground Slope: 9%

Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
0-13	10YR 3/3	0	SL	B	VF	D-	Sm	Fine
13-25	"	"	"	B	F	"	Med	"
25-30	5/3	0	"	B	F	Dr	"	few fine
30-39	decomposed	mottled	sandstone	-	firm			

Mottling: 28" Reduction ☐ Oxidation ☑ Depth to groundwater: Perc depth:

Other:

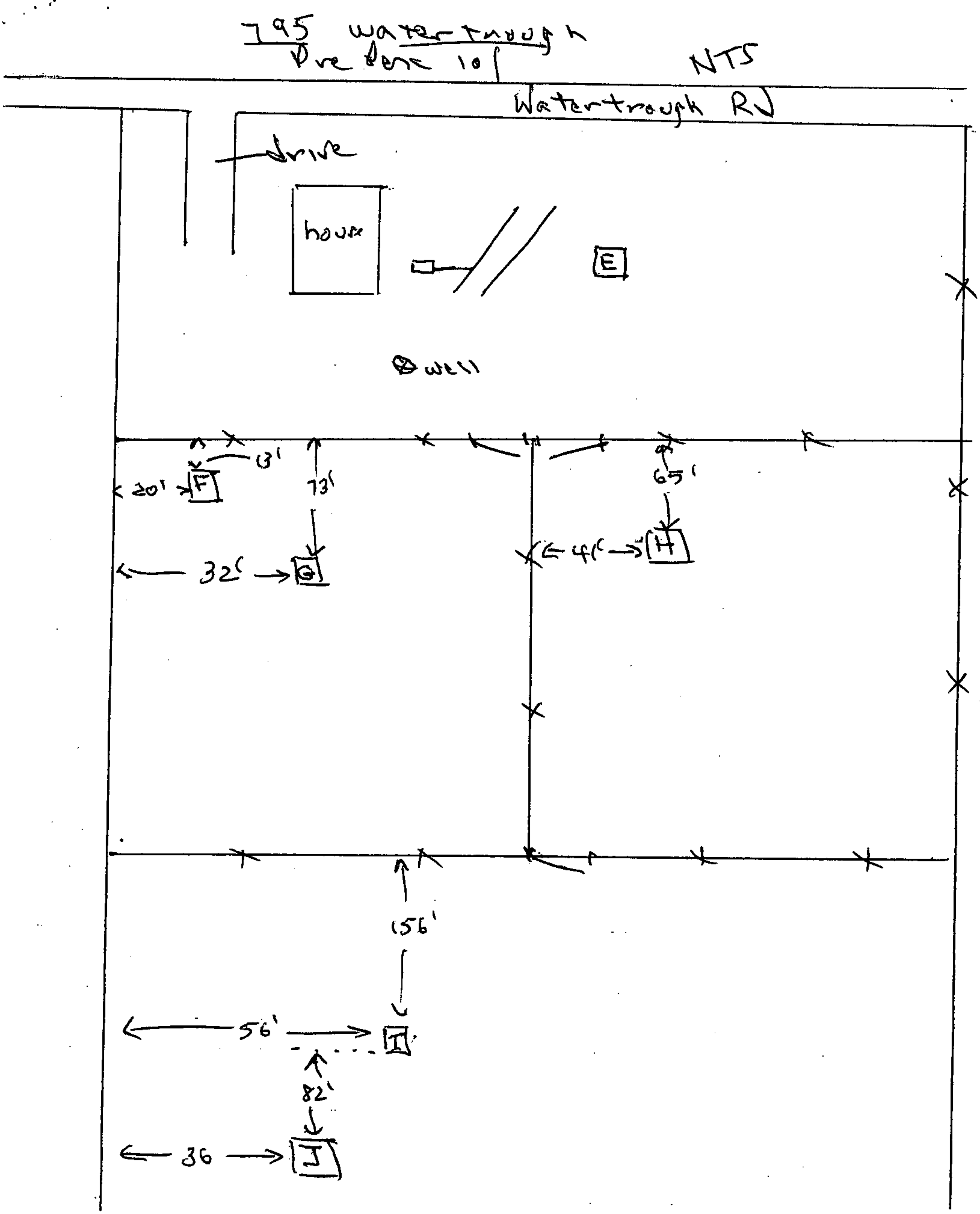
Abbreviations:

USDA Texture: Gravel=G, Sand=S, Loamy Sand=LS, Sandy Loam=SL, Sandy Clay Loam=SCL, Sandy Clay=SC, Silt Loam=SiL, Loam=L, Clay Loam=CL, Silty Clay Loam=SiCL, Clay=C

Structure: Granular=G, Platy=p, Blocky=B, Prismatic=Pr, Massive=M, Columnar=C

Consistency: Loose=L, Very Friable=VFr, Friable=Fr, Firm= F, Very Firm=VF, Extremely Firm=EF, Solid (BH refusal)=S

Moisture: Dry=Dr, Damp=D, Very Damp=VD, Saturated=S, Seepage=Se


795 Watertrough
NTS
Watertrough Rd
drive
house
E
well
13'
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36
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