

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for Shepherds Bluff, Ph.5, Lot 43: 118 Sheep Path Dr.
House Footprint: 55'x 60'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms: 3/360 GPD
Proposed LTAR: 0.25 GPD/FT2
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low pressure-CVB
Flow per Orifice: 0.59 GPM
Orifice Size: 3/16"
System Flow: 31.86 GPM
Dosing Volume: 194.4 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 7.2'
Friction Head: 2'
Pressure Head: 2'
Total Dynamic Head: 11.2'
Supply Line Length: 100'
Septic/Pump Tank Size: 1000/1000
Proposed Trench Bottom: 36" (initial), 30" (repair)

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Line	Design Length	# of Panels	Actual Length	Elevation
Pink 1	**25'**	**6**	**28'**	**2.0'**
Blue 2	**50'**	**11**	**50'**	**2.4'**
Orange 3	**85'**	**19**	**84'**	**3.4'**
Red 4	**80'**	**18**	**82'**	**3.8'**
Blue 5			17'	2.9'
Yellow 6			67'	3.6'
Pink 7			42'	4.0'
White 8			61'	4.2'
Yellow 9			30'	4.5'
Orange 10			45'	3.9'

Initial System: 240' **Repair System:** 262'
Pump Tank: 4.2' **House Corner:** 2.5' **Benchmark:** 5.5'

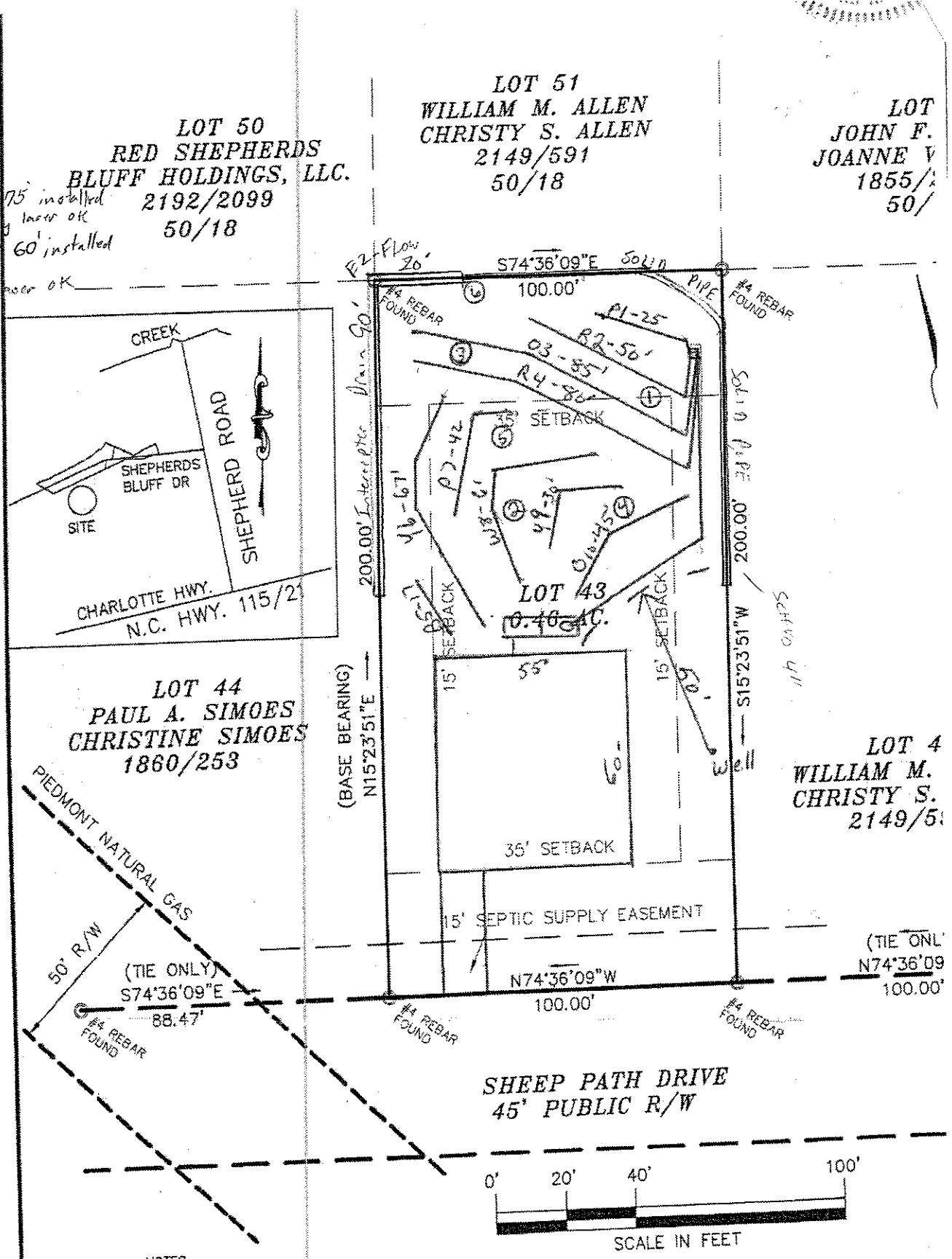
Comments:
Remove berm. The 50' well setback is marked in red flagging. The septic field is laid out on 8' centers.

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12-10-15

75' PPBPS [line 3] =/ 75' installed
5' 5.5" 4 shots by laser OK

50' PPBPS [line 3] =/ 60' installed
6' 6.5" 4 shots by laser OK



NOTES

1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) UNDERGROUND POWER
4) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

SCALE 1" = 40'

ACQUIRED BY:

BOUNDARY SURVEY

OF

118 SHEEP PATH DRIVE

LOT 43 SHEPHERDS BLUFF, PH. 5

BARRINGER TWSP., IREDELL CO., N.C.

SCOTT & LESLIE TEASLEY

□ =
E.I.P. =
I.P.S. =
R/W =

FIELD BO
FILE: SH
DC FILE:
TAX MAP

Interceptor Drain H_2O Standing 20" below surface @ 5'5" Elevation @ swale (low point)

Line 4 75' of PPBPS Trench Bottom @ 30" 5'5.5" Laser ok 4+ shots

Line 3 [inspected 12/10]

Line 2 [inspected 12/10]

Line 1 30' of PPBPS Trench Bottom @ 36" 5.6" Laser ok 4+ shots

Supply line: 2" SCH 40 PVC Pressure Rated Epoxy Glued Fittings

VCB: 2" supply line PVC → 1¼" Low Pressure lines (4+)

Pump Tank: 1000 gal Top-Seam (stroupe) Concrete tank [Imatic ok] "PT-32"
Hose clamp @ pipe ok

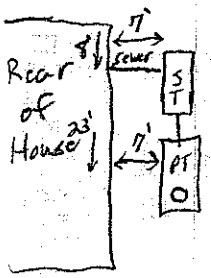
→ SIM-Tech in line Filter + check/gate union valve

Septic Tank - Stroup 1000 gal mid-seam septic tank "STB-78b"
Poly Lock Blue filter in white housing

Pump Info

GOULDS WATER TECHNOLOGY

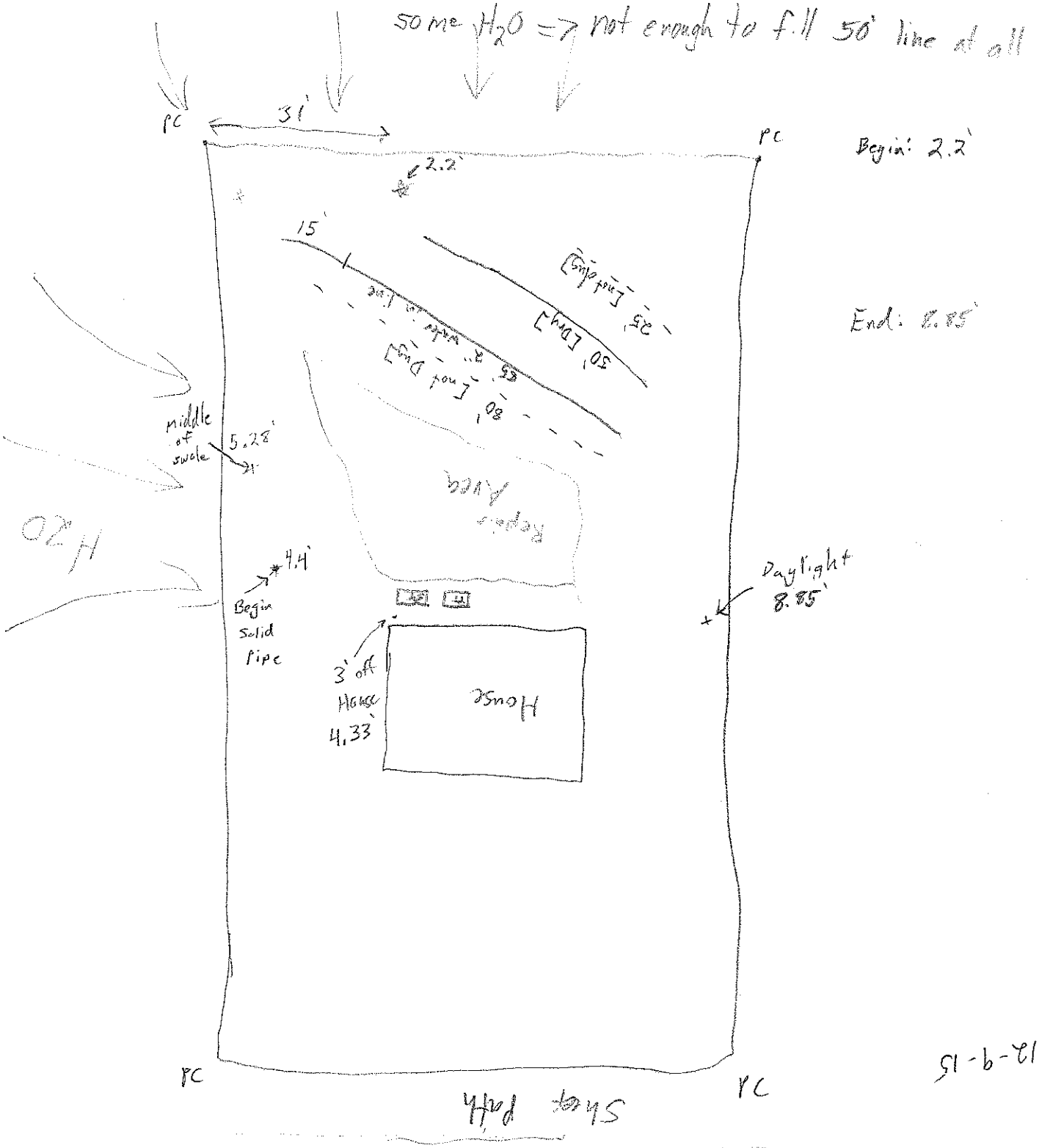
WE0511H
SUBMERSIBLE PUMP
1/2HP 1/60/115 3.56" 14.5MA



Shepherd's Bluff Lot 43 [Water in trench(s)] 12-9-2015

24" Drain Pipe Laser Elevations

some H_2O => not enough to fill 50' line at all



12-9-15

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4659588761
COUNTY: Iredell

APPROVED DEC 19 2014
Richard Farris

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Red Shepherds Bluff LLC
ADDRESS: 4675 MacArthur CT, STE 1550, New Port Beach, CA 926
PROPOSED FACILITY: 3 bdrm
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: Shepherds bluff, ph. 5, lot 43
APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.46 AC
PROPERTY RECORDED: 12/19/2006

WATER SUPPLY: Ξ Private ☐ Public Ξ Well ☐ Spring ☐ Other
EVALUATION METHOD: Ξ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: Ξ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 5%	0-6	Br SCL WSBK	FR SS SP	Few Mn	48"	N/A	N/A	PS 0.3-0.275
		6-48	R C SBK	FR SS SP					
2	LS 0-2%	0-4	Br SCL WSBK	FR SS SP	Few YB	42"	F-C SAP PS	N/A	PS 0.25-0.275
		4-32	R C SBK	FR SS SP					
		32-42	R CL WSBK	FR SS SP					
		42-48	VER SL SAP M	VFR SS SP					
3	LS 3%	0-37	R C SBK	FR SS SP	Few Mn No Mn	48"	N/A	N/A	PS 0.25-0.275
		37-48	R CL WSBK	FR SS SP					
4	LS 0-2%	0-8	R C SBK	FR SS SP	Few Mn	48"	N/A	N/A	PS 0.3
		8-36	RBr SCL WSBK	FR SS SP					
		36-48	RBr CL WSBK	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	480 FT2	480 FT2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.25	0.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M A & Associates
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4659568761____
DATE OF EVALUATION: ________
COUNTY: IREDELL______

APPROVED DEC 19 2014
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PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	LS 0-2%	0-34	R C SBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3
		34-48	R CL WSBK	FR SS SP					
6	LS 5%	0-36	R C SBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3
		36- 48	R CL WSBK	FR SS SP					

COMMENTS:________________________________