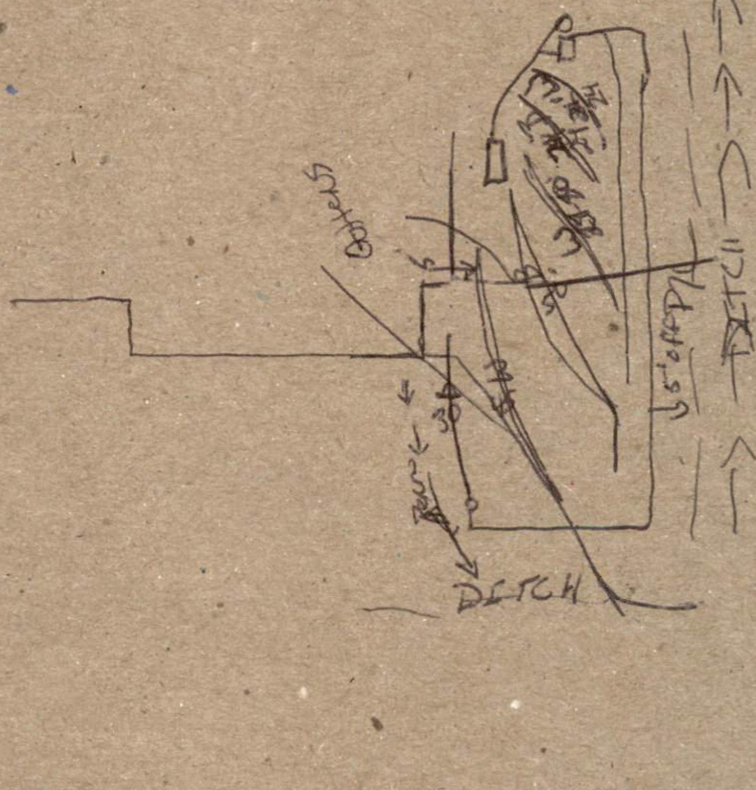

Gutters
35' off PL
DITCH
DITCH

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

PROPERTY ID #: ___
COUNTY: Harnett

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: John Markovich DATE EVALUATED: 10- -24
ADDRESS: 118 Timber Rail
PROPOSED FACILITY: Ex SFD PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: ___
LOCATION OF SITE: → 118 Timber Rail LN PROPERTY RECORDED: ___
WATER SUPPLY: (Public) Single Family Well Shared Well Spring Other ___ WATER SUPPLY SETBACK: ___
EVALUATION METHOD: (Auger Boring) Pit Cut TYPE OF WASTEWATER: Domestic High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .0505 SOIL DEPTH	OTHER PROFILE FACTORS .0506 SAPRO CLASS	OTHER PROFILE FACTORS .0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	Front L yard Concave 3-4%	0-20 20-48	SL Clay	FR GR NSNP FM SBK S.P.	OUT AT 40"-42"	Very Hard Soil			.1	
2	Side yard L 3-4%	0-24 24-48	SL Fill material SClay	FR GR NSNP FM SBK S.SP.	48"	Better Soils			.3	
3	L 4-5%	0-24 24-48	SL SClay	FR GR NSNP SFM (w) SBK SS SP	48"				.4	
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)		✓
System Type(s)		50% RSD
Site LTAR		.4
Maximum Trench Depth		24"

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: JA + DT
OTHER(S) PRESENT: ___

Comments: ___

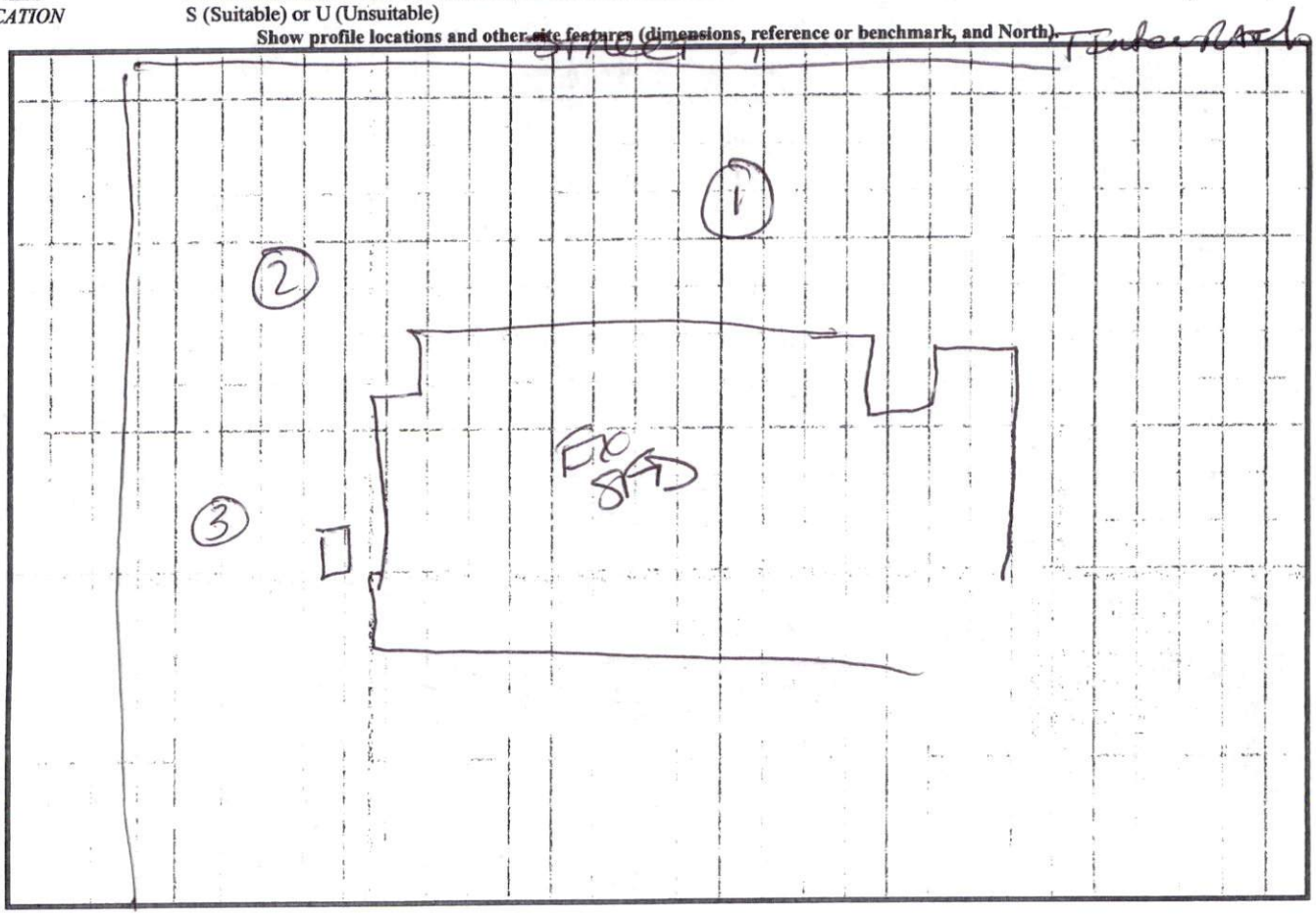
LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION S (Suitable) or U (Unsuitable)

Show profile locations and other site features (dimensions, reference or benchmark, and North).



1 L-CONVEX/CONCAVE Front

3-4%

0-20 SL FRGR-
NSNP

20-48" Clay
FR-SBK S.P.

OUT AT 42" .1

Side yard
2 L 3-4%

0-24' Fill mater

24-48' Clay Loam
S.SP

48 .25-.3

BESIDE TANK Sept
3 L 4-5%

0-24 SL FRGR NSNP

24-48 SC Clay Loam
SSSP
SL FRM SBK

.4 LTAR