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

Sheet 1 of 1
PROPERTY ID #: 9761496714
COUNTY: Iredell

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

OWNER: Michael Ryan Homes — APPLICATION DATE: 2-23-16
ADDRESS: PO Box 620013 Charlotte — DATE EVALUATED: 3-28-16
PROPOSED FACILITY: SFD — PROPOSED DESIGN FLOW (.1949): 0480 gpd — PROPERTY SIZE: 0.69 acres
LOCATION OF SITE: 120 Wylie Trail — PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other N/A
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut — TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON 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
1	8% NS	0-7	BSCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		7-32	RC *Few Y/B SBK	Fr Mod SE					
		32-48	RBC wBK	Fr Mod SE					
2	7% NS	0-5	BSCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		5-32	RC SBK	Fr Mod SE					
		32-48	R BC Few Prom wSBK	Fr Mod SE					
3	7% NS	0-7	BSCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		7-28	RC SBK	Fr Mod SE					
		28-48	BR BCL Lithochromic SBK	Fr Mod SE					
4	8% NS	0-5	BSCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		5-24	RC SBK	Fr Mod SE					
		24-48	RCL wSBK	Fr Mod SE					
			Few Prom Inc						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	IV
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Justin Alexander
OTHER(S) PRESENT: N/A

COMMENTS:

LEGEND

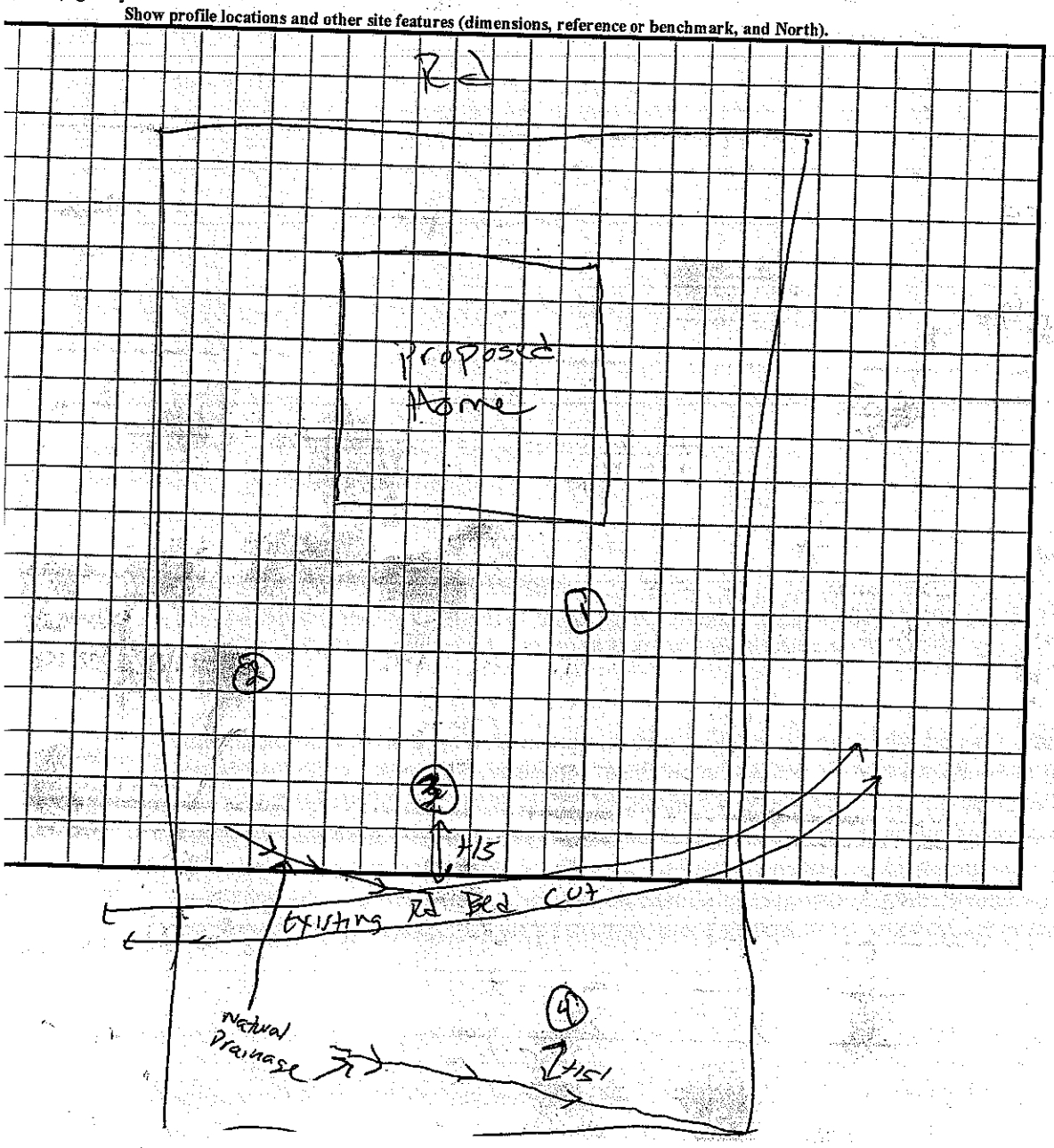
use the following standard abbreviations

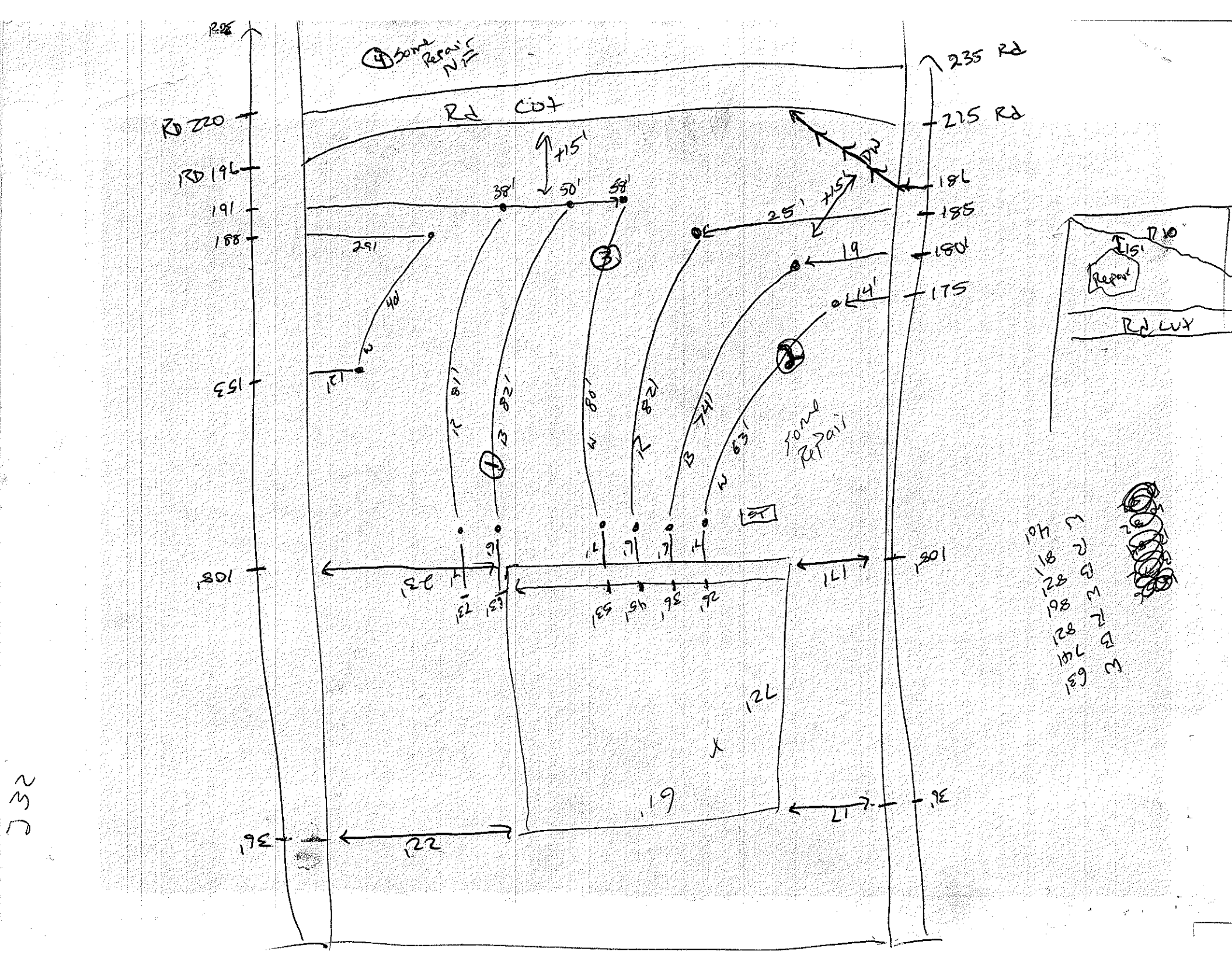
ON	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
					MOIST	WET
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05 None	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)

djust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

In inches below natural soil surface
In inches from land surface
Thickness and depth from land surface
S(suitable) or U(unsuitable)
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
S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)
be by pits.
(LTAR): gal/day/ft^2

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




Rd 220
196
191
188
153
801
235 Rd
225 Rd
185
180
175
Rd Cut
+15'
38'
50'
58'
25'
19
14'
291
40'
121
81'
82'
80'
74'
63'
Road Repair
Repair
Rd Cut
15'
10
122
61'
171
137
53'
45'
36'
27'
23'
16'
12'
13'
7'