DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4704548473
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Mt Herman
ADDRESS: 110 mt. Herman Rd
PROPOSED FACILITY: Fellowship Hall PROPOSED DESIGN FLOW (.1949): 730 gpd
LOCATION OF SITE: 110 mt Herman Rd.
WATER SUPPLY: • Private • Public • (Well) • Spring • Other N/A
EVALUATION METHOD: • (Auger Boring) • Pit • Cut

APPLICATION DATE 5-11-15
DATE EVALUATED: 6-3-15
PROPERTY SIZE: 3.84 acres
PROPERTY RECORDED: Yes
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	5% NS	0-10	SCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		10-29	C micaceous ABC	Fi Mod SE					
		29-48	BC micaceous WABK	Fr Mod SE					
2	3% NS	0-6	SCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		6-24	C micaceous ABC	Fr Mod SE					
		24-48	BC soap lined WABK	Fr Mod SE					
3	5% NS	0-8	SCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		8-28	C ABK/SBK	Fi Mod SE					
		28-48	BC micaceous/soap lined WABK	Fr Mod SE					
4	5% NS	0-10	SCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		10-22	C Y/B mottles SBK	Fi Mod SE					
		22-29	C micaceous ABK	Fr Mod SE					
		29-48	BC micaceous WABK	Fr Mod SE					

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

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

COMMENTS: IB @ 36" I FR

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			MOIST	WET
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

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

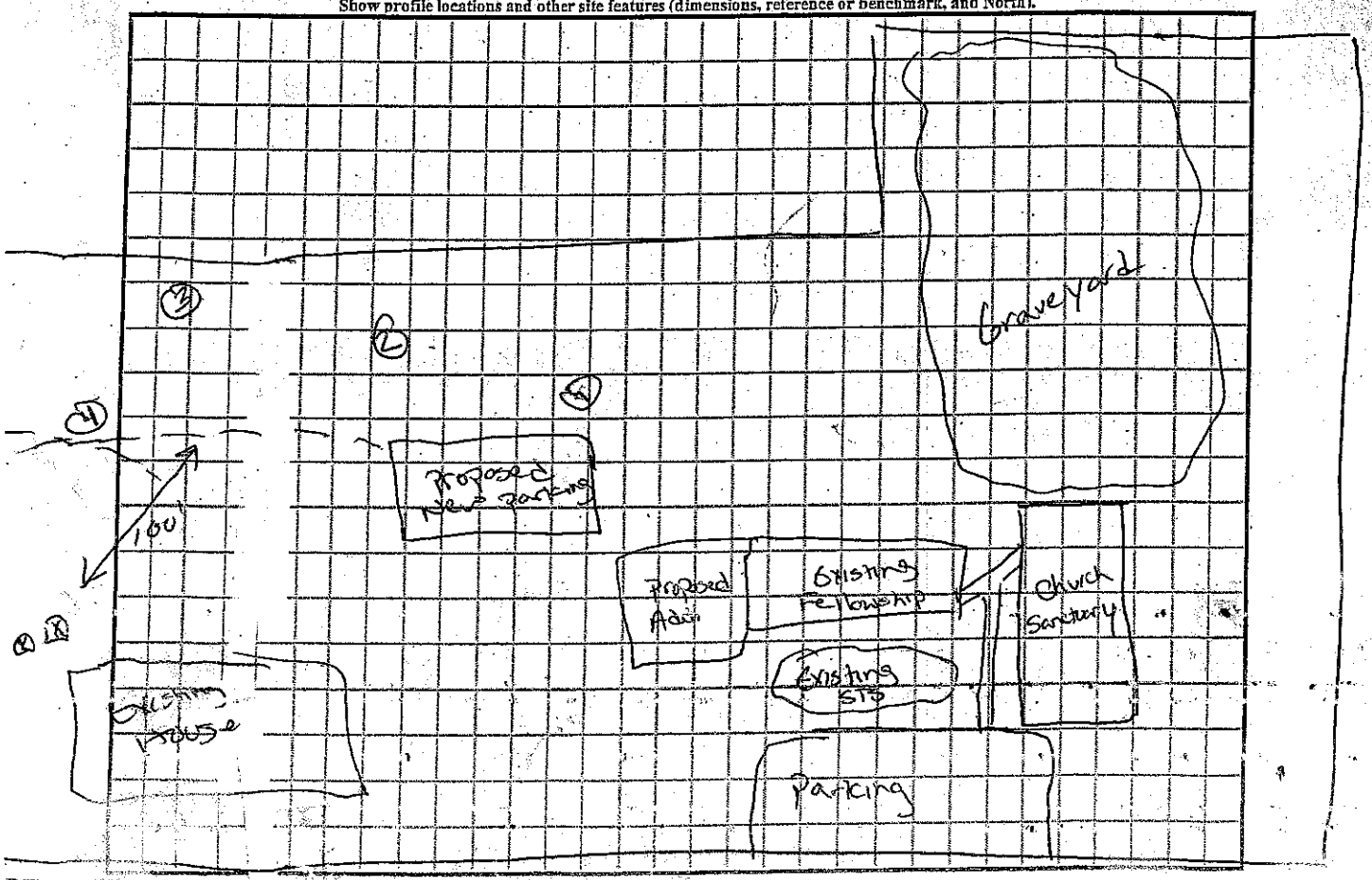
NOTES

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)
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), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

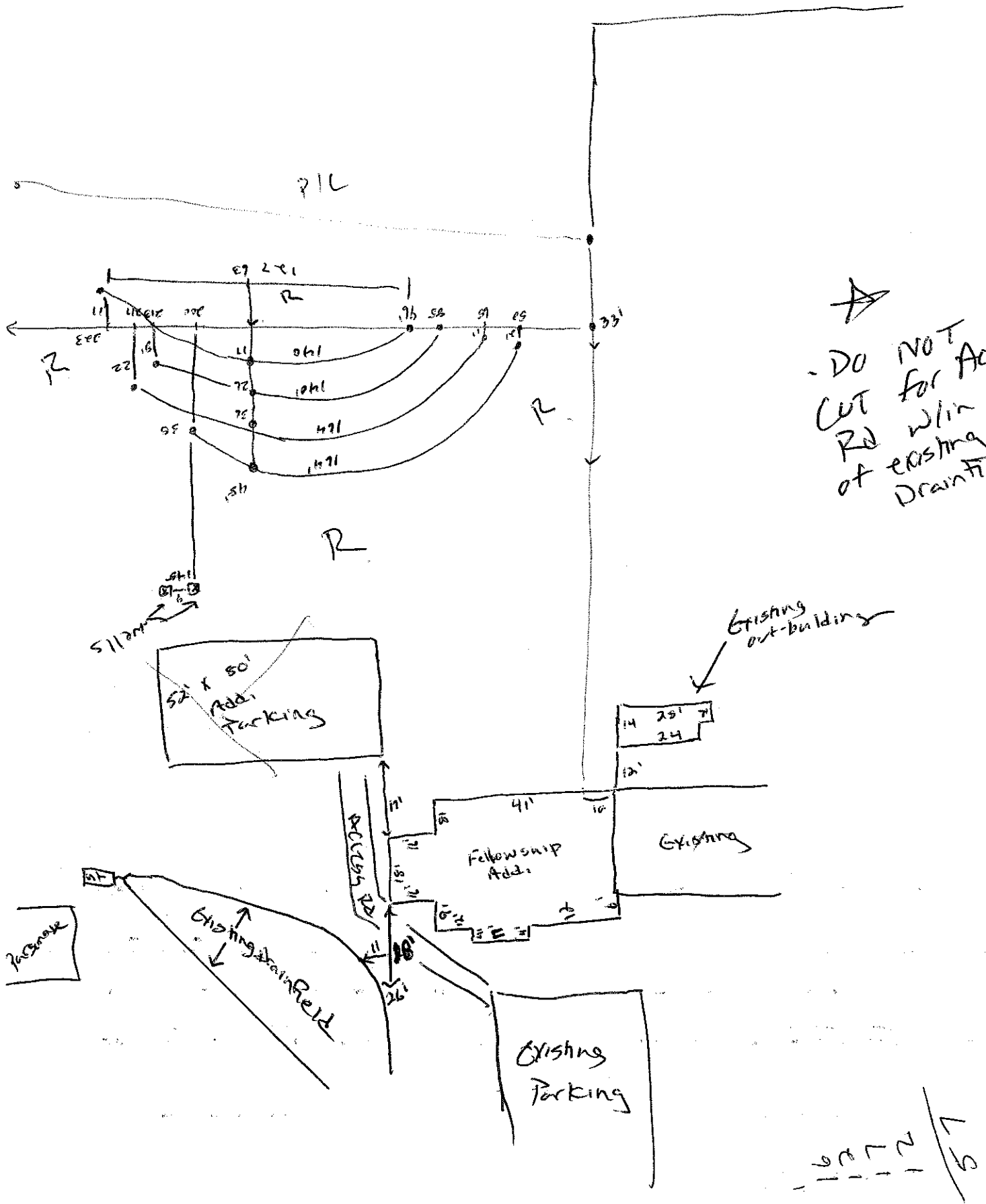
Long-term Acceptance Rate (LTAR): gal/day/ft²

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



Mt Herman Rd

- water lines?


P/L
R
R
R
33'
- DO NOT CUT for Access Rd w/in 15' of existing Drainfield
52' x 50' Add. Parking
Existing out-building
25'
24
12'
41'
Fellowship Add.
Existing
Access Rd
Existing Drainfield
26'
Existing Parking