

OWNER: WILLIAM N. STEWART PHONE: _____ DATE REQUESTED: 1-14-44 DATE EVALUATED: 1-23-44
 ADDRESS: RT 2 BOX 164 LI EN NC PROPERTY IDENTIFICATION NO.: _____
 COUNTY: HEMDETT PROPERTY SIZE: 2 Acres PROPOSED FACILITY: STORE
 LOCATION OF SITE: ELLIOTT BRIDGE Rd.
 WATER SUPPLY: On-Site Well _____ Community _____ Public X EVALUATION BY: Auger Boring PR _____

LANDSCAPE POSITION	Group	TEXTURE	App. Rate	LEGEND		
				MOIST	CONSISTENCE	STRUCTURE
R - Ridge	I	s - sand	1.2-0.8	vir - very friable	WET	sg - single grain
S - Shoulder slope		ls - loamy sand		fr - friable		Ns - non-sticky
L - Linear slope	II	sl - sandy loam	0.8-0.6	f - firm	Ss - slightly sticky	cr - crumb
FS - Foot slope		l - loam		vfl - very firm	S - sticky	gr - granular
N - Nose slope	III	sil - silt	0.6-0.3	vfl - very firm	Vs - very sticky	sbk - subangular blocky
H - Head slope		sil - silt loam		efl - extremely firm	Np - non-plastic	abk - angular blocky
Cc - Concave slope		scl - silty clay loam			Sp - slightly plastic	pl - platy
Cv - Convex slope		cl - clay loam			P - plastic	pr - prismatic
T - Terrace	IV	scl - sandy clay loam	0.4-0.1		Vp - very plastic	
FP - Flood Plain		sc - sandy clay				
		sil - silty clay				
		c - clay				

Use the above standard abbreviations.

- NOTES:
- Horizon Depth - in inches
 - Depth of Fill - in inches from land surface
 - Restrictive Horizon - thickness and inches from land surface
 - Saprotic - S (suitable) or U (unsuitable)

- NOTES:
- Soil Wetness - inches from land surface to free water or inches from land surface to soil color chroma 2 or less - record Munsell color chip designation
 - Classification - S (suitable), PS (provisionally suitable) or U (unsuitable)
 - Long-Term Acceptance Rate - gal/day/ft²

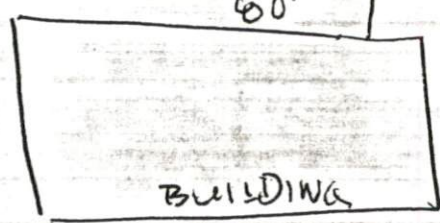
DHS 2601 (Revised _____)
 Sanitation Branch (Review _____)

CALCULATIONS

From page 12 REGULATIONS

DAILY FLOW

120 GAL/1000 ft²
 OF RETAIL AREA



AREA = 50' x 80' = 4000 ft²

$$Q = \frac{(120) 4000}{1000} = 480 \text{ gal/Day}$$

$$\frac{480 \text{ GAL/Day}}{3} = 1600 \text{ ft}^2$$

$$\frac{1600 \text{ ft}^2}{3 \text{ ft}} = 534 \text{ ft}$$

6 LINES 89 ft EACH

(2) TANK VOLUME
 $V = 2Q$

$$V = 2(480) = 960 \text{ GAL}$$

(3) IF A PUMP TANK
 IS USED
 ... 3 LINES 178 ft EACH

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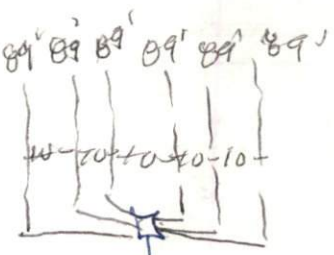
LANDSCAPE POSITION	Group	TEXTURE	Applying Rate	LEGEND		
				MOIST	CONSISTENCE	STRUCTURE
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S - Shoulder slope		ls - loamy sand				
L - Linear slope	II	sl - sandy loam	0.8-0.6	fr - friable	sa - slightly sticky	m - massive
FS - Foot slope		l - loam		f - firm	s - sticky	cr - crumb
N - Nose slope	III	sl - silt	0.6-0.3	vfr - very firm	va - very sticky	gr - granular
H - Head slope		sil - silt loam		efi - extremely firm	Np - non-plastic	abk - subangular blocky
Cc - Concave slope		scl - silty clay loam		Sp - slightly plastic	P - plastic	abk - angular blocky
Cv - Convex slope		cl - clay loam		Vp - very plastic	pr - prismatic	
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DHS 2601 (Revised _____)
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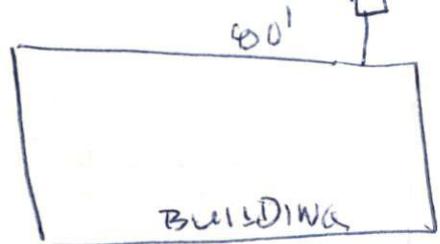


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(3) IF A PUMP TANK & USED

... 3 LINES 178 ft EACH

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4	PROFILE 5
ESCAPE POSITION	L	L	S		
PE (%)	/	/	/		
RIZON I DEPTH	0"-2"	0"-2"	0"-4"		
ture Group	TOP SOIL	TOP SOIL	TOP SOIL		
nsistence	/	/	/		
ucture	/	/	/		
neralogy	/	/	/		
RIZON II DEPTH	2"-12"	2"-8"	4"-12"		
ture Group	LS	LS	LS		
nsistence	FV	FV	FV		
ucture	GR	GR	GR		
neralogy	1:1	1:1	1:1		
RIZON III DEPTH	12"-36"	0"-20"	12"-48"		
ture Group	SCL	C	S		
nsistence	FI	VEI	VEI		
ucture	Sbk	sbk	SG		
neralogy	1:1	1:1	/		
RIZON IV DEPTH	26"-48"	20"-36"			
ture Group	S	SCL			
nsistence	VEI	FI			
ucture	SGV	Sbk			
neralogy	/	1:1			
WETNESS					
TRICTIVE HORIZON					
ROLITE					
SSIFICATION	S	/	S		
IG-TERM	.5		.9		
CEPTANCE RATE					

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4	PROFILE 5
ESCAPE POSITION		/			
PE (%)		/			
RIZON I DEPTH		36"-48"			
ture Group		S			
nsistence		VEI			
ucture		GR			
neralogy		/			
RIZON II DEPTH					
ture Group					
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ucture					
neralogy					
WETNESS					
TRICTIVE HORIZON					
ROLITE					
SSIFICATION		PS			
IG-TERM		.3			
CEPTANCE RATE					

CLASSIFICATION: PS
 ELATED BY: [Signature]
 SITE LONG-TERM ACCEPTANCE RATE: .3
 OTHER(S) PRESENT:
 TYPE OF BUSINESS: [Signature] SHALL BE PROPERLY DISTURBED

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4	PROFILE 5
ESCAPE POSITION	L	L	L		
PE (%)					
ZON I DEPTH	0"-2"	0"-2.11	0"-4"		
ure Group	TOP SOIL	TOP SOIL	TOP SOIL		
sistence					
cture					
eralogy					
ZON II DEPTH	2"-12"	2"-12"	4"-12"		
ure Group	LS	LS	LS		
sistence	FV	FV	FV		
cture	GV	GV	GV		
eralogy	1:1	1:1	1:1		
ZON III DEPTH	12"-36"	8"-20"	12"-48"		
ure Group	SCL	C	S		
sistence	FI	VEI	VEV		
cture	Shk	Shk	Shk		
eralogy	1:1	1:1	1:1		
ZON IV DEPTH	26"-48"	20"-36"			
ure Group	S	SCL			
sistence	VEV	FI			
cture	SGV	Shk			
eralogy	1:1	1:1			
WETNESS					
RICTIVE HORIZON					
OLITE					
SIFICATION	S		S		
TERM	.5		.9		
PTANCE RATE					

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4	PROFILE 5
ESCAPE POSITION					
PE (%)					
ZON I DEPTH		36"-48"			
ure Group		S			
sistence		VEV			
cture		GV			
eralogy		1:1			
ZON II DEPTH					
ure Group					
sistence					
cture					
eralogy					
ZON III DEPTH					
ure Group					
sistence					
cture					
eralogy					
ZON IV DEPTH					
ure Group					
sistence					
cture					
eralogy					
WETNESS					
RICTIVE HORIZON					
OLITE					
SIFICATION		PS			
ERM		.3			
PTANCE RATE					

CLASSIFICATION: PS
 SITED BY: [Signature]
 SITE LONG-TERM ACCEPTANCE RATE: .3
 OTHER(S) PRESENT:
 TYPE OF BUSINESS: GMAIL BIZ PROPERLY DISTILLED

