

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

Owner: J. Moya, Applicant: Sierra Jones  
 Address: 3861 OS 401 N. Date Evaluated: 02/06/2019  
 Proposed Facility: 492 SWM#1 Design Flow (.1949): 480 GPD  
 Location of Site: Property Recorded: PS  
 Water Supply:  Public  Individual  Well  Spring  Other  
 Evaluation Method:  Auger Boring  Pit  Cut  
 Type of Wastewater:  Sewage  Industrial Process  Mixed

P R O F I L E #	.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 (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
1	L 2-3%	0-12	GR LS	VL N&NP					
		12-46	GR SLL	FN SP					PS
		46+	rock	-		46			0.4
2,3	L 2-3%	0-13	GR LS	VL N&NP					PS
		12-48	GR SLL	FN SP		48			0.4
4	L 2-3%	0-28	GR LS	VL N&NP					PS
		28-48	GR SLL	FN SP		48			0.4
5	L 2-3%	0-14	GR LS	VL N&NP					
		14-42	GR SLL	FN SP					PS
		42+	Parent Mat	-		42			0.4

Description	Initial System	Repair System	Other Factors (.1946): Site Classification (.1948): Provisionally Suitable Evaluated By: Andrew Cowan, PEHS Others Present:
Available Space (.1945)	✓	✓	
System Type(s)	25% MC	54% MC	
Site LTAR	0.4	0.4	

COMMENTS: \_\_\_\_\_

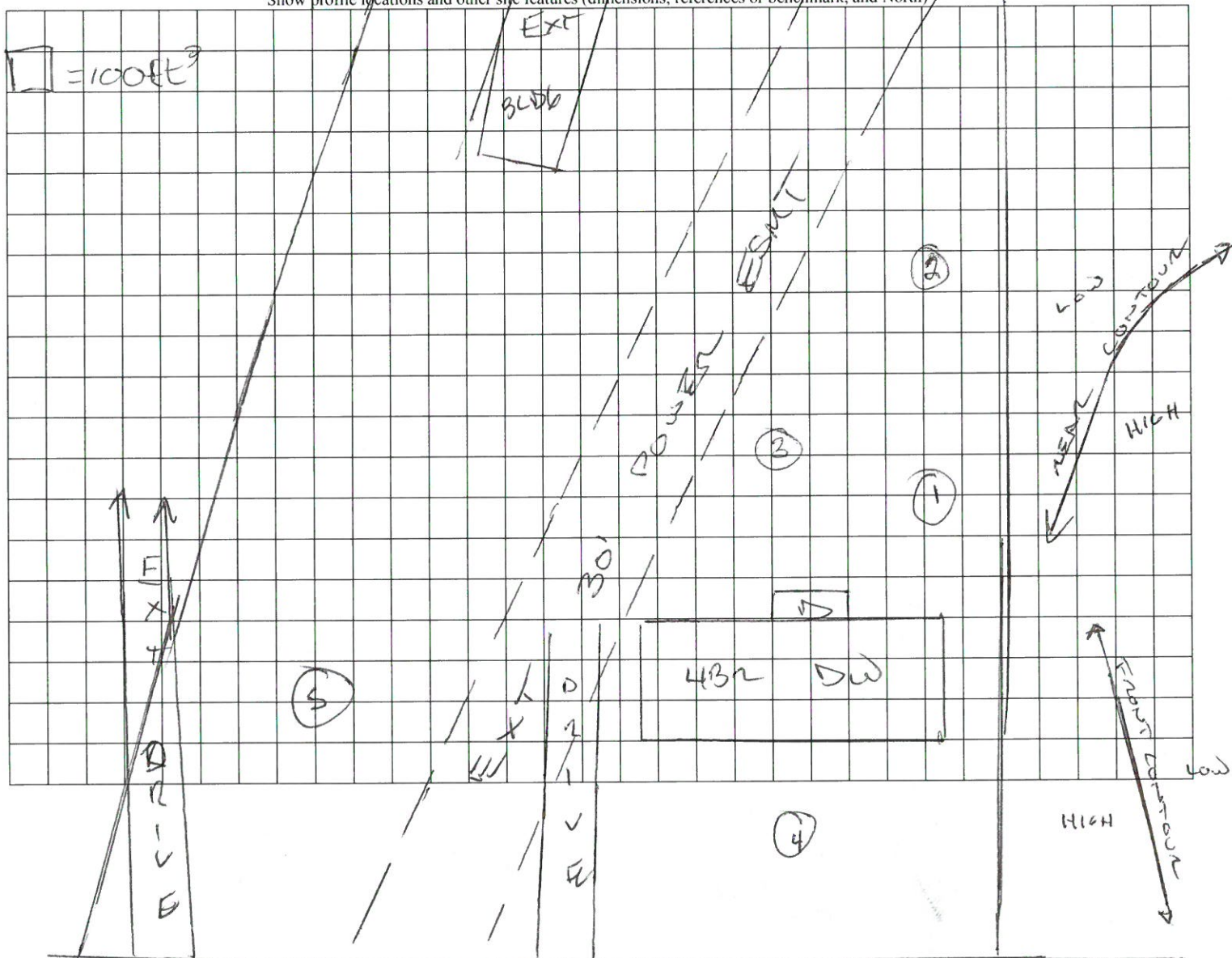
LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE	NS-NON-STICKY
S-SHOULDER SLOPE		LS-LOAMY SAND		FR-FRIABLE	SS-SLIGHTLY STICKY
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FI-FIRM	S-STICKY
FS-FOOT SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
N-NOSE SLOPE				EFI-EXTREMELY FIRM	NP-NON-PLASTIC
H-HEAD SLOPE	III	SI-SILT	0.6 - 0.3		SP-SLIGHTLY STICKY
CC-CONCLAVE SLOPE		SIL-SILT LOAM			P-PLASTIC
CV-CONVEX SLOPE		CL-CLAY LOAM			VP-VERY PLASTIC
T-TERRACE		SCL-SANDY CLAY LOAM			
FP-FLOOD PLAN	IV	SIC-SILTY CLAY	0.4 - 0.1		
		C-CLAY			
		SC-SANDY CLAY			

\*NO APPROVABLE GARAGE UNLESS APPROVAL FROM DUKE TO CROSS ESMT

- STRUCTURE  
 SG-SINGLE GRAIN  
 M- MASSIVE  
 CR-CRUMB  
 GR-GRANULAR  
 SBK-SUBANGULAR BLOCKY  
 ABK-ANGULAR BLOCKY  
 PL-PLATY  
 PR-PRISMATIC

- MINERALOGY  
 SLIGHTLY EXPANSIVE  
 EXPANSIVE TO EXT JED

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



US 401