

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

Owner: Applicant: Lamco Custom Builders
 Address: Date Evaluated: 2/20/2020
 Proposed Facility: SFD 51' x 47' Design Flow (.1949): 360 GPD Property Size:
 Location of Site: Elsie Buchanan Property Recorded:
 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 <5% | 0-28 | GR SL | VFR Sexp | nsnp | | | | |
| | | 28-48 | BL SCL | F; Sexp | SSSP | 48" | | | PS 0.45 |
| 2 | L <5% | 0-30 | GR LS | VFR Sexp | nsnp | | | | |
| | | 30-48 | BK SCL | F; Sexp | SSSP | 48" | | | PS 0.45 |
| 3,4 | L <5% | 0-10 | GR LS | VFR Sexp | nsnp | | | | |
| | | 10-20 | BL SCL | F; Sexp | SSSP 10YR 7/1 | 20" | | | UN |
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|-------------------------|----------------|----------------|--|
| Description | Initial System | Repair System | Other Factors (.1946): |
| Available Space (.1945) | ✓ | ✓ | Site Classification (.1948): <u>Provisionally suitable</u> |
| System Type(s) | <u>25% Red</u> | <u>25% Red</u> | Evaluated By: <u>Brittany Adams</u> |
| Site LTAR | <u>0.45</u> | <u>0.45</u> | Others Present: |

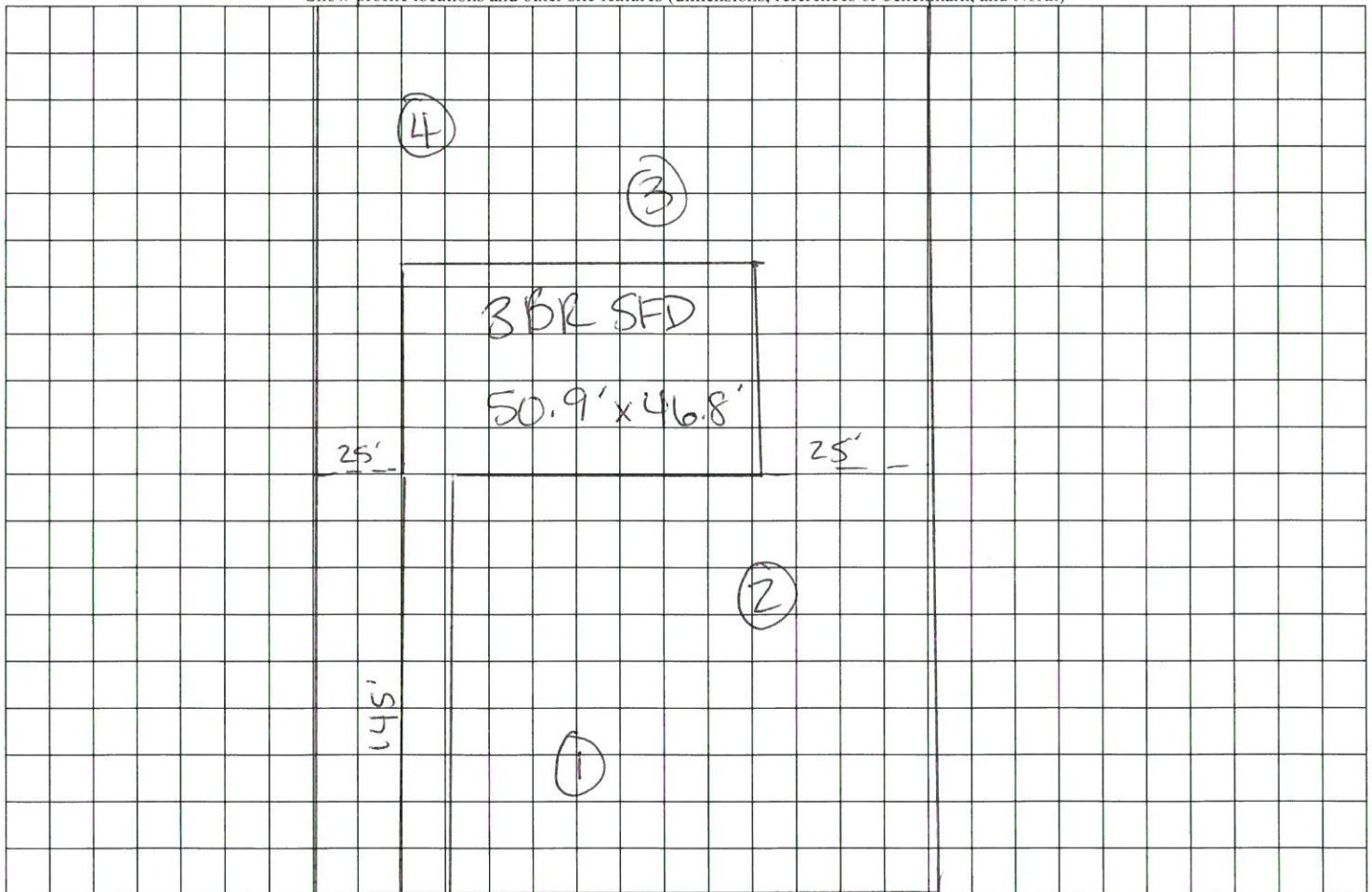
COMMENTS: _____

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

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

MINERALOGY
 SLIGHTLY EXPANSIVE
 EXPANSIVE

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



Elsie Buchanan Ln