

SFD 2010-0043
 MITCHELL MANOR

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

Owner: — Applicant: WEAVER HOMES INC
 Address: 71 LINDA LANE Date Evaluated: 11/03/2010
 Proposed Facility: 362 SFS Design Flow (.1949):
 Location of Site: 362 SFS Property Recorded: 3606PS
 Water Supply: Public Individual Well
 Evaluation Method: Auger Boring Pit Cut
 Type of Wastewater: Sewage Industrial Process

Property Size: LOT 21
 Spring Other
 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 | <u>L 3-5%</u> 0-30 | <u>0-50</u> | <u>CL SL</u> | <u>VLN NSNP</u> | | | | | <u>PS</u> |
| | | <u>30-48</u> | <u>ML SLL</u> | <u>FL SSSP</u> | | <u>48</u> | | | <u>0.4</u> |
| 2,4 | <u>L 3-5%</u> | <u>0-24</u> | <u>CL SL</u> | <u>VLN NSNP</u> | | | | | <u>PS</u> |
| | | <u>24-48</u> | <u>ML SLL</u> | <u>FL SSSP</u> | | <u>48</u> | | | <u>0.4</u> |
| 3 | <u>L 3-5%</u> | <u>0-24</u> | <u>CL SL</u> | <u>VLN NSNP</u> | | | | | <u>PS</u> |
| | | <u>24-44</u> | <u>ML SLL</u> | <u>FL SSSP</u> | | | | | <u>PS</u> |
| | | <u>44-49</u> | <u>PRESENT MAX</u> | <u>—</u> | | <u>44</u> | | | <u>0.4</u> |

| | | | |
|-------------------------|-------------------------------------|-------------------------------------|---|
| Description | Initial System | Repair System | Other Factors (.1946): |
| Available Space (.1945) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Site Classification (.1948): <u>PROVISIONALY SUITABLE</u> |
| System Type(s) | <u>25/100</u> | <u>25/100</u> | Evaluated By: <u>ANDREW CURRIN, PE</u> |
| Site LTAR | <u>0.4</u> | <u>0.4</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 | 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 | III | SI-SILT | 0.6 - 0.3 | EFI-EXTREMELY FIRM | NP-NON-PLASTIC |
| H-HEAD SLOPE | | SIL-SILT LOAM | | SP-SLIGHTLY STICKY | |
| CC-CONCLAVE SLOPE | | CL-CLAY LOAM | | P-PLASTIC | |
| CV-CONVEX SLOPE | | SCL-SANDY CLAY LOAM | | VP-VERY PLASTIC | |
| T-TERRACE | IV | SIC-SILTY CLAY | 0.4 - 0.1 | | |
| FP-FLOOD PLAN | | C-CLAY | | | |

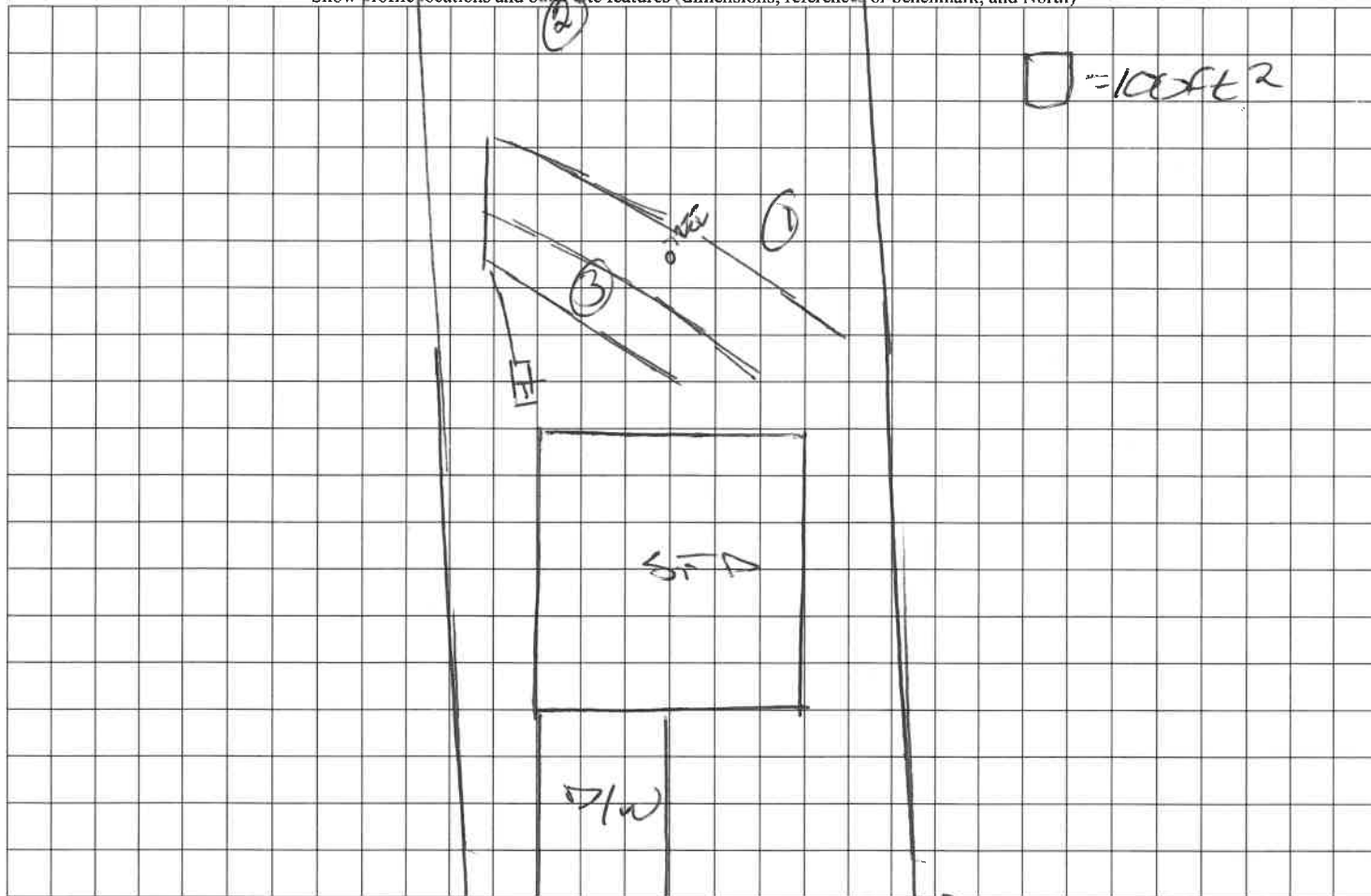
STRUCTURE

- 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)



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