

SFD 2106-0008

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

Owner: *Lanco* Applicant:
 Address: *Cool Springs Rd*
 Proposed Facility: *SFD*
 Location of Site:

Date Evaluated: *6-24-21*
 Design Flow (.1949): *360 GPD*
 Property Recorded:

Property Size:

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 | |
| Pit 1 | L 5-7% | 0-42 42-58 | sci SBk | Fr/ps/lp/np | >58" | ≤42" | >50% @ 42" | — | PS.4 Group III |
| Pit 2 | L 5-7% | 0-30 30-58 | sci SBk | Fr/ps/lp/np | >58" | ≤30" | 100% ≥30" | — | PS.4 Group III |
| Pit 3 | L 5-7% | 0-23 23-58" | sci SBk | Fr/ps/lp/np | >58" | ≤23" | 100% ≥23" | — | PS.4 Group III |

| | | | |
|-------------------------|----------------|----------------|---|
| Description | Initial System | Repair System | Other Factors (.1946): Site Classification (.1948): <i>PS</i> Evaluated By: <i>Mosher-REHS</i> Others Present: |
| Available Space (.1945) | ✓ | ✓ | |
| System Type(s) | <i>252 rad</i> | <i>252 rad</i> | |
| Site LTAR | <i>.4</i> | <i>.4</i> | |

(225' of line)

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-SLIGHTLY STICKY |
| S-SHOULDER SLOPE L-LINEAR SLOPE FS-FOOT SLOPE | | LS-LOAMY SAND | | | |
| N-NOSE SLOPE H-HEAD SLOPE CC-CONCLAVE SLOPE CV-CONVEX SLOPE T-TERRACE FP-FLOOD PLAN | II | SL-SANDY LOAM L-LOAM | 0.8 - 0.6 | FI-FIRM VFI-VERY FIRM EFI-EXTREMELY FIRM | S-STICKY VS-VERY STICKY NP-NON-PLASTIC SP-SLIGHTLY STICKY |
| | | | | | |
| | III | SI-SILT SIL-SILT LOAM CL-CLAY LOAM SCL-SANDY CLAY LOAM | 0.6 - 0.3 | | P-PLASTIC VP-VERY PLASTIC |
| | | | | | |
| | | | | | |
| | 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)

