TCJ CONSULTING

# SITE / SOIL EVALUATION

JOB: _____ PHONE: _____ DATE: 11-26-03

LOCATION: _____ PIN: _____ COUNTY: Iredell PROPERTY SIZE: 11.96

PROPOSED FACILITY: _____ WATER SUPPLY: On-Site Well__ Community__ Public__ EVALUATION: Auger Boring__ Pit__ Cut__

WEATHER: _____ ANTECEDENT MOISTURE: _____ SURFACE WATER: _____

| FACTORS | PROFILE 8 | PROFILE 9 | PROFILE 10 | PROFILE 11 |
|---|---|---|---|---|
| LANDSCAPE POSITION-% | SS 12 | ~~0~~ 4 SS 15 | R 3 | |
| HORIZON I DEPTH | A 0-12 | A 0-4 | A 0-3 | A 0-3 |
| Color - Munsell | 10YR 3/4 | 10YR 4/3 | 10YR 4/3 | |
| Texture | SL | | SL | |
| Structure | 1mgr | | 1mgr | |
| Consistence | fr | | fr | |
| | | | | |
| | | | | |
| Boundary | C | A | A | |
| HORIZON II DEPTH | Bt1 12-21 | Bt1 4-10 | Bt 3-35 | Bt 3-28 |
| Color - Munsell | 5YR 5/6 | 5YR 5/8 | 2.5YR 4/8 | 2.5YR 4/8 |
| Texture | CL | CL | C | C |
| Mottles | | — | — | — |
| Structure | 2msbk | 2msbk | | 2msbk |
| Consistence | fr | fr SS,SP | | fr SS,SP |
| | | | C, micq | C, micq |
| | | | | |
| Boundary | C | C 10-28 | D | |
| HORIZON III DEPTH | Bt2 21-36 | Bt2 10-28 | BC 35-52+ | BC 28-59+ |
| Color - Munsell | 7.5YR 5/6 | | 2.5YR 4/8 | 2.5YR 4/8 |
| Texture | C | C | CL | L - loam |
| Mottles | Mn stains | BN, BK | [mn] | [mn], mf 6/8 |
| Structure | 2msbk | 3mac sbk | 1csbk | 1csbk |
| Consistence | fr SS,SP | fi S,P | fr SS,SP | |
| | areas of S,P | | e, micq | m, micq |
| | in lower Bt | | | |
| Boundary | C | C | | Massive in |
| HORIZON IV DEPTH | ~~BC~~ C - SAP | C 28 | | lower pnd |
| Color - Munsell | 10YR 6/6, 2/1 Mn | | | |
| Texture | L to CL | L | | |
| Mottles | VAR | weathered gneiss | | |
| Structure | | | | |
| Consistence | fr | vfi to Exfi | | |
| | | in lower C | | |
| | | | | |
| Boundary | | Cr @ | | |
| SOIL WETNESS | | | | |
| RESTRICTIVE HORIZON | | | Vein of clay present | |
| SAPROLITE | | VSgrvm | | |
| LTAR | | | .3 | .3 |
| CLASSIFICATION | US | US | PS | PS |
| | Enon-like | Enon | Madison | Madison |
| | | | | |

SS-Side

LEGEND

LANDSCAPE POSI
R - Ridge
S - Shoulder
L - Linear slope
S - Foot slope
N - Nose slope
H - Head slope
Cc - Concave slope
Cv - Convex slope
T - Terrace
P - Flood Plain

TEXTURE
s - sand
ls - loamy sand
sl - sandy loam
l - loam
si - silt
sil - silt loam
sicl - silty clay loam
cl - clay loam
scl - sandy clay loa
sc - sandy clay
sic - silty clay
c - clay

CONSISTENCE
MOIST / WET
Ns - non-sticky
Ss - slightly sticky
S - sticky
Vs - very sticky

Np - non-plastic
Sp - slightly plastic
P - plastic
Vp - very plastic

MOIST
vfr - very friable
fr - friable
fi - firm
vfi - very firm
efi - extremely firm

STRUCTURE
sg - single grain
m - massive
cr - crumb
gr - granular
sabk - subangular blo
abk - angular blocky
pl - platy
pr - prismatic