

**SOIL TEST PIT LOGS  
BACKSIDE HAYES RUN**

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**Test Pit # 1**

0-2' strip mine spoil  
2'-3.5' original topsoil, organic matter, roots – gray, rotted from being covered  
3.5'-7' ML, 10 –20% gravel – seepage at 3.5'  
7'-8' CL / ML, good material for embankments

**Test Pit # 2**

0-.5' top soil, organic matter, leaf litter  
.5'-4' ML / CL, predominately gray, heavily mottled, seepage at 4'  
4'-8' ML / CL, 25% gravel  
8'-11' CL, good material

**Test Pit # 3**

0-.5' topsoil, organic matter, leaf litter  
.5'- 1.5' ML, heavily mottled, seepage at 1.0'  
1.5'- 7' ML / CL, brownish-red, 10% gravel  
7'- 9' GM, useable material if mixed in with other layers  
9'-13' CL, gray, very dry

**Test Pit #4**

0-.5' top soil, organic matter, leaf litter  
.5'- 2.5' ML, mottled  
2.5'-4.5' ML / CL, brown, 20% gravel  
4.5'- 7.5' ML / CL, heavily mottled  
7.5'- 10.5' tight, weathered shale, seepage at 7.5'

**Test Pit # 5**

0-.5' topsoil, organic matter  
.5'- 1' ML, light brown  
1'- 3.5' ML, heavily mottled, seepage at 3'  
3.5'-4' ML, brown, thin layer of shale, 40-50% coarse fragments  
4'- 8' ML / CL, gray, < than 10% gravel  
8'-9' Hard shale  
9'- 11' ML, 20-30% gravel, heavy flow of water at 11'