



**NOTES:**

- [A] PRIMARY DRAIN INSTALLED BY EXCAVATING A SUBSIDENCE DEPRESSION (TEST PIT 1) IN VICINITY OF ENTRY. TRASH, WOODY DEBRIS, AND "SPOIL-TYPE" MATERIAL REMOVED. COLLECTION AND CONVEYANCE SYSTEM INSTALLED 05/09/05.
  - [B] SECONDARY DRAIN INSTALLED ABOUT 200 FEET SOUTHEAST OF DRILL HOLE 16 BY EXCAVATING A SUBSIDENCE DEPRESSION (TEST PIT 3) LOCATED ABOVE HAULAGEWAY OR ROOM. CAVED MATERIAL EXCAVATED AND COLLECTION AND CONVEYANCE SYSTEM INSTALLED 05/09/05.
  - [C] EARLY WARNING SYSTEM INSTALLED COLLECTION SYSTEM AND RISER IN "BLOWOUT" AND REPLACED PUBLIC SIDEWALK 05/09/05.
- SEE "AS-BUILTS" OF PRIMARY DRAIN, SECONDARY DRAIN, AND EARLY WARNING SYSTEM.
- MAIN ENTRY OF NICKLE PLATE MINE LOCATED ABOUT 350 FEET SOUTH OF DRILL HOLE 19 AT AN ELEVATION OF 1035 FEET.
- STANDING WATER LEVELS SHOWN WERE MEASURED 04/08/05 AFTER EXCAVATION OF TEST PIT 1 FOR PRIMARY DRAIN AND TEST PIT 3 FOR SECONDARY DRAIN PRIOR TO DISCHARGING AT PRIMARY DRAIN.
- MINOR REVISIONS IN TOPOGRAPHY BASED ON RECENT PA DEP, BAMR SURVEYS MAY NOT BE REFLECTED IN CONSTRUCTION OF CROSS-SECTION.

**GEOLOGIC CROSS-SECTION  
(DIAGRAMMATIC)**

**NICKLE PLATE MINE  
PA DEP, BAMR  
MCDONALD SOUTH - OSM 63(1441)101.1**

McDonald Borough & North Fayette and Robinson Townships  
Allegheny and Washington Counties, Pennsylvania  
Scale: Varies June 30, 2005  
**Environmentally Innovative Solutions, LLC**  
Pittsburgh, PA