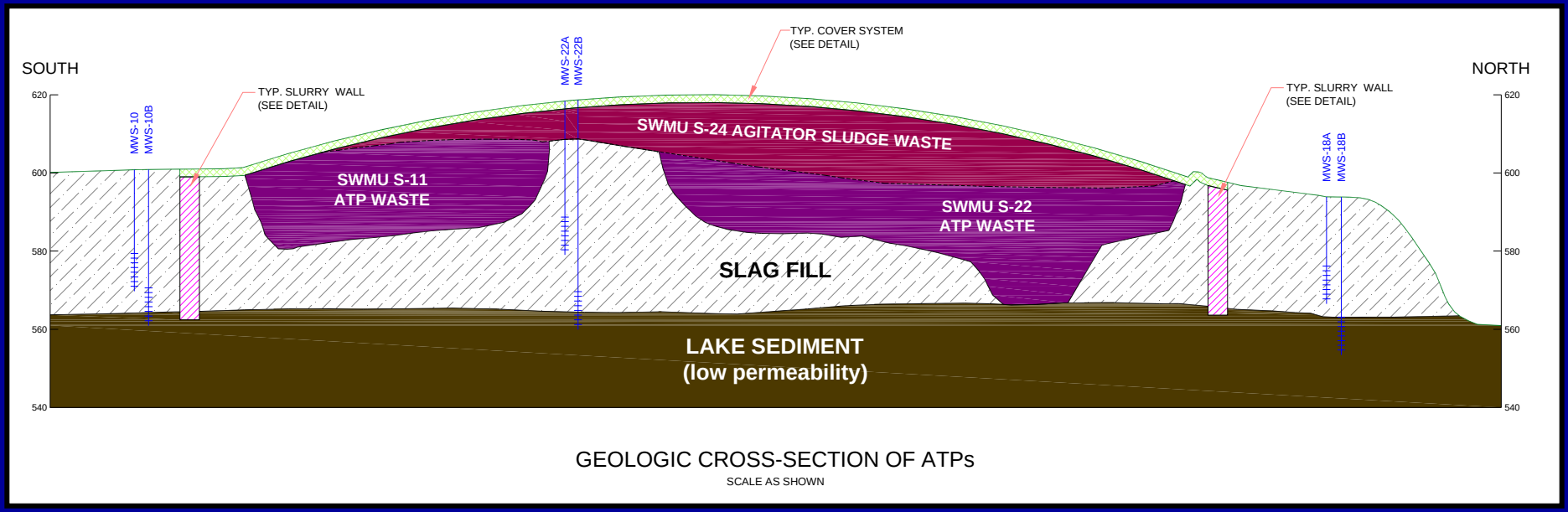
Focused CMS – ATP SWMU Group (after)

- **Consolidate SWMU S-24 waste into containment cell**
- **Construct final cover system and slurry wall**
- **1.5’ of barrier soils, geocomposite, geomembrane, geocomposite clay liner (GCL)**
- **6-inches of seeded topsoil**

Alternative 4 Advantages

- Protective of Human Health & Environment
- A single containment cell of ~ 4.5 acres not in a flood plain
- Control sources of groundwater contamination

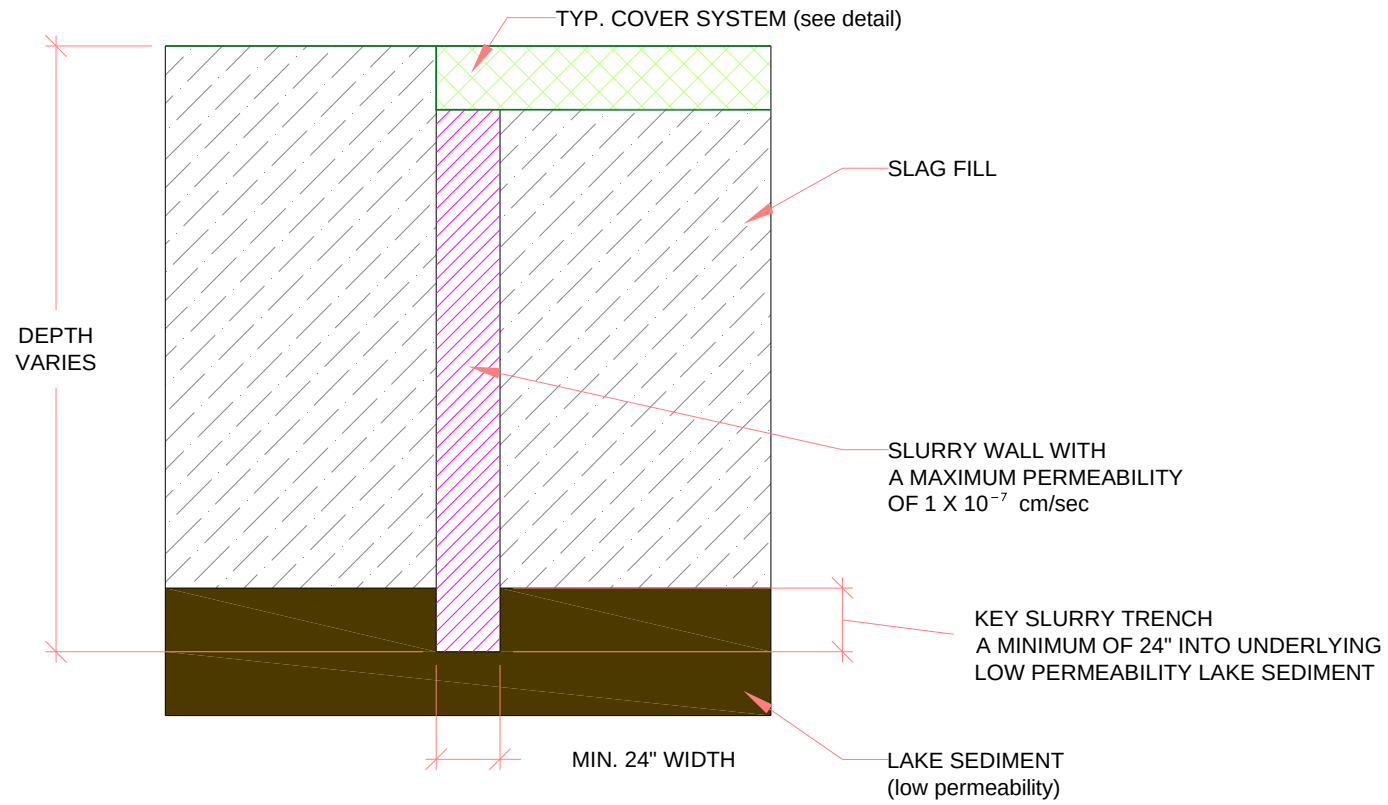
ATP Group X-section



GEOLOGIC CROSS-SECTION OF ATPs

SCALE AS SHOWN

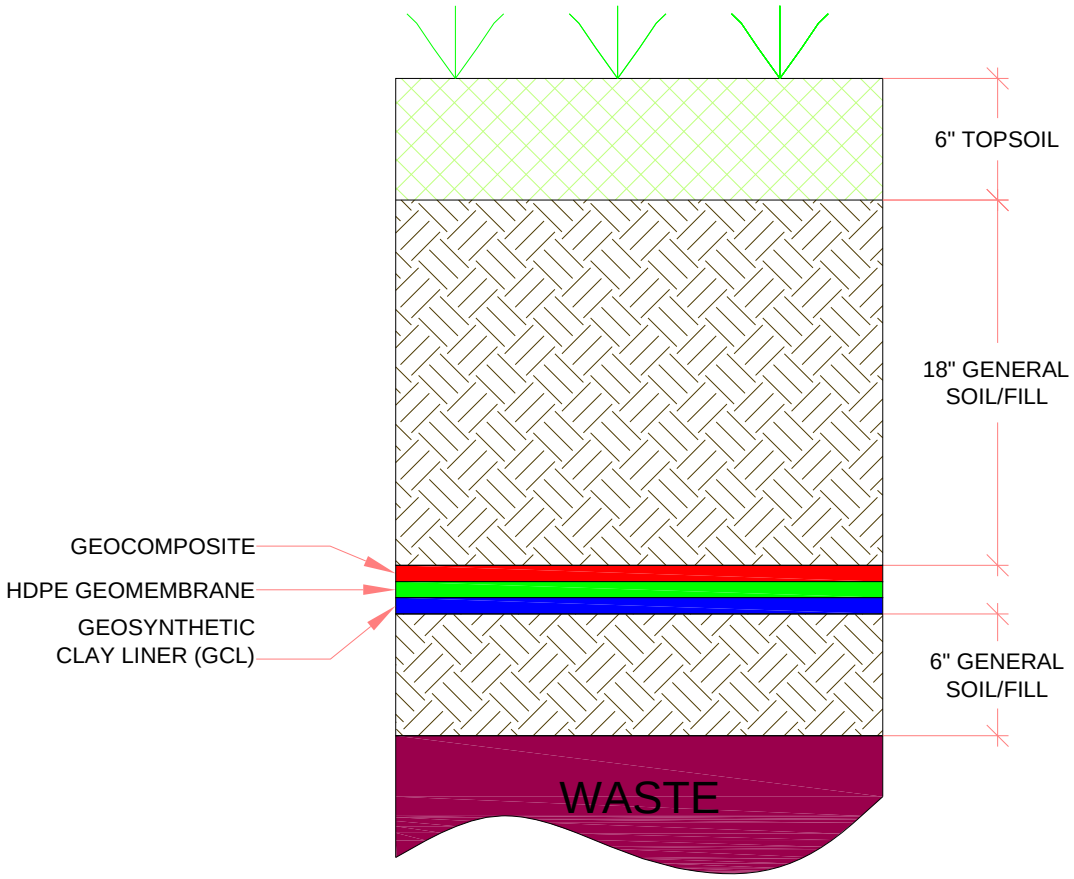
ATP Group X-section
Typical Slurry Wall Detail



TYPICAL SLURRY WALL DETAIL

NOT TO SCALE

ATP Group X-section
Typical Cover System Detail



TYPICAL COVER SYSTEM DETAIL

NOT TO SCALE

Alternative 4 Advantages

- Construction can begin in 2009 and completed in 2010
- Eliminate SWMU S-24
- Reduce contaminant loadings to Smokes Creek
- Underlying confining layer

Alternative 4 Advantages

- Eliminates contaminant exposure risk to people, plants, animals
- Cover system will contain wildlife grasses to create desirable habitat for certain birds & animals

Public Comment Period

- For the proposed remedial action associated with the Acid Tar Pits and Agitator Sludge Pit, you have until:

- August 14, 2009

- The focused CMS study is available online for your review. See Fact Sheet for web site address.

Smokes Creek ICM

- Tecumseh dredged lower stretch of Smokes Creek to sediment build-up under an ICM Order with DEC
- Dredging by Tecumseh helped:
  - Restore channel capacity
  - Remove contaminated sediments

Proposed Extent of Dredging Project

- Sampling Areas: Lower Reach, Upper Reach, and Off-Site (East of Rt 5)
- Proposed Dredging Project would encompass approximately 11,700 feet of Smokes Creek

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE

TURNKEY ENVIRONMENTAL RESTORATION, LLC

Smokes Creek Update

- Tecumseh completed dredging lower 2600 feet of stream in 2009

Construction of Sediment Disposal Cell

Post-Dredge Sampling

Brownfield & Wind Energy Development