



Bunker Hill Superfund Site History and Barrier Improvement Projects

Barrier Projects around the Bunker Hill Superfund Site and throughout Idaho

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A Brief History



Why Barriers?

How can we make a superfund site safe for children and families?



Remove all contamination?

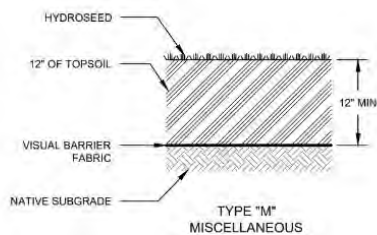
Isolate contamination?

Prevent exposure?

Types of Barrier

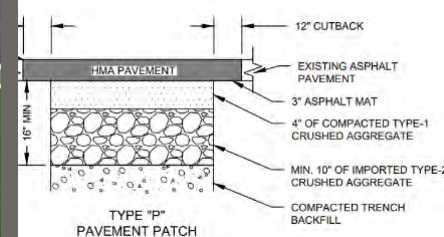
Barriers:

- Isolate contaminated soil
- Prevent human contact
- Prevent dust and sediment migration
- Allow safe redevelopment



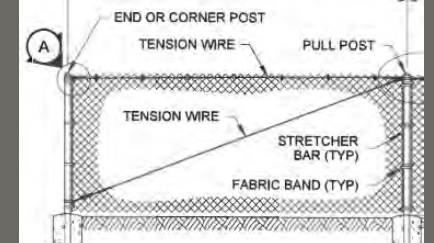
Vegetated Cover

The vegetation stabilized the clean soil and limits contact with underlying contamination.



Durable Cover

Hard surfaces like concrete, asphalt and now synthetics are used to seal over underlying contamination



Barricades

When areas are not open to the public barricades like fences can be used to limit access to contaminants

Recent Projects



Pinehurst Elementary Playground



Airport Riverwalk Trail System



Uptown Sidewalks



East Smelterville
Flats



KSD Stormwater and Barrier Collaborative Project

This location is a campus for a local community center serving, houses the Head Start Program, the softball field, track field and after school play area. This project is being completed in 2 phases. Stormwater improvements funded by Idaho DEQ's Lake Health and Phosphorous Reduction efforts followed by barrier enhancement and replacement funded by the Cooperative Agreement between EPA and Idaho DEQ for the Bunker Hill Superfund Site.



Pinehurst Elementary Playground

Staff at WSB have a long history of successfully assisting the SMSC Community with professional and technical solutions related to engineering, environmental, and technology (GIS). Currently, WSB has an ongoing consultant relationship with the SMSC GIS Staff which will be particularly helpful to streamline data gathering that aligns with current community assets.