BOOM Studio

Graduate Design Studio in Landscape Architecture,
Spring 2003
Abandoned industrial towers will be reused as perches for wildlife viewing, allowing visual access into the large portion of the site reserved for bird habitat.
Map of the Cultural Opportunities within Hagerstown: This illustrates a possible network of culture that would encircle and complement downtown Hagerstown’s Cultural Arts District.
Opportunities through the railroad corridor for re-connecting a disconnected urban landscape. The complete system is marked by increments for the gradual phasing of implementation.
DESIGN PARAMETERS FOR RAIL TRAILS: Above is an illustrated diagram of the adjacency of rail with trail, highlighting typical distances between the various components of the corridor. These parameters are described by Rails to Trails Conservancy's published guidelines for the physical requirements for implementing the trail.
gateway to renewal: s. drake
roving remediation dispatched from CC
lagoon excavation
360,000 ft$^3$
contaminated soil

building removal

retention of three main buildings:
treated for asbestos retrofitted for reuse

sinkhole excavation
350,000 ft$^3$
contaminated soil

PHASE ONE: ON-SITE EXCAVATION
soil vapor extraction for remainder of contamination

delivery of soil from sites throughout city: begin remediation

roving remediator fleet: to be dispatched throughout city

PHASE TWO: OPERATION BEGINS
storage facility open to public balcony for observing processes

five acres for further remediation: biopiles, SVE, phytoremediation, of contaminants from throughout Hagerstown

access to site from west, bridge across rail line

CAR + TRAIN ACCESS ROVING REMEDIATORS

POTENTIAL TO EXPAND TO MARYLAND MEATAL

PHASE THREE: PUBLIC ACCESS
When I first visited Central Chemical I was told that it would be impossible for the contaminants on site to make me sick unless I ate a handful of dirt. Although this declaration was meant to assure me that I was safe, it got me to thinking......Why shouldn’t I be able to eat dirt?
Existing Conditions at Central Chemical: DDT contamination is concentrated in two areas, the sinkhole and the lagoon. Lead and arsenic are spread across entire site in soil and groundwater.
Phase 1 - Remediation: Thermally enhanced soil vapor extraction and air sparging. Public has limited access along cross axis to view and learn about remediation process.
Phase 2 - Phytoremediation: Increased public access and occupation of existing and new buildings, followed by an extended period of non-edible agricultural production.
Phase 3 - Production: Full public access to site, agricultural production, renewable energy plant, flexible rentable space, wildlife habitat and a farmers market
THE LABORATORY: The southern half of the site is dominated by the laboratory space and includes the historic industrial building that will be transformed into a laboratory, visitor center, library and educational facility. East of the building is a hardscape plaza space followed by a series of cleansing pools (a.k.a. petri plots) for a pump-and-treat water remediation system (and later stormwater cleansing system).
Phase III
Testing the Petri Plots
Reimagining the cradles
Statistical Data:

Cultural Centers:
- 200 miles from NYC
- 165 miles from Philadelphia
- 72 miles from Baltimore
- 70 miles from Washington, DC

Cultural Access:
- 5 miles from local airport
- Amtrak access in Martinsburg, WV
- MARC access in Point of Rocks

Hagerstown Facilities:
- Over 200 annual events
- Over 120 acres of parkland
- 0 acres of park downtown
- 4 regional & local theaters
- 6 museums

Legend:
- Existing Cultural & Schools
- Proposed Cultural Resources
- Existing Parkland
- Neighborhoods