PILE GROUP (TOWER)
MULTI-MEDIA CAP PENETRATION

MEMBRANE REMOVED AND REPLACED WITH INTERIM CAP
EXTENT OF OBSTRUCTION DEMOLITION

INTERIM CAP
(6" CLEAN COVER SOIL PROTECTS AGAINST EXPOSURE AND DUST)
INTERIM MEMBRANE DAM
(ISOLATES CONSTRUCTION FROM CAP DRAINAGE LAYER)
COVER
(PROTECTS COVER SOIL AGAINST DEBRIS CONTACT AND EROSION)

NEW CAP SUBGRADE BELOW PILE GROUP
FUTURE PILE

MULTI-MEDIA CAP
SHAPING FILL
ASPHALT CAP OVER FORMER INDUSTRIAL PLANT
RESTORATION OF CAP BELOW PILE GROUP

NEW CAPILLARY BREAK AND MEMBRANE BELOW PILE GROUP

CONCRETE "MUDMAT" (PROTECTS MEMBRANE DURING PILE CAP CONSTRUCTION)

MEMBRANE DAM (PERMANENTLY ISOLATES PILE PENETRATIONS FROM CAP DRAINAGE LAYER)

NEW MEMBRANE

BOOT (SEALS MEMBRANE TO PILE WALL, SEE DETAIL)

NEW CAPILLARY BREAK

CONCRETE FILLED PIPE PILE (SEALED AGAINST INFILTRATION AND CAPILLARY RISE)
COMPLETED FOUNDATION

NEW MULTI-MEDIA CAP CONSTRUCTED AROUND PILES

COLUMN

STRUCTURAL FLOOR SLAB

PILE CAP

COVER SOIL

MIN. 5.5 FT

WATER TABLE
(MAINTAINED BELOW LOW TIDE)
PILE BOOT DETAIL
(BOOT SEALS MEMBRANE TO PILE WALL)
Figure 2
Perimeter Construction Monitoring Locations
Harbor Point
Baltimore, Maryland
Dust and Air Management

Cap Before Construction

- Surface
- Clean Cover Soil (minimum 30 inches)
- Membrane
- Gravel
- Contaminated Soil
- Cap Depth Minimum

Cap During Construction

- Excavation Zone
- Storm Water Diversion Berm
- Temporary Cover to Prevent Dust and Contact with Contaminated Soil
- Asphalt
- Sump

Cap After Construction

- Concrete Slab
- Concrete Filled Pipe Piles
- Seal Membrane to Piles
- Cap Depth Minimum

Water Spray for Dust Suppression

Air Monitoring Station

- Samples
- Lab Testing

* There will be multiple air monitoring stations along the site perimeter and work zone during construction.