

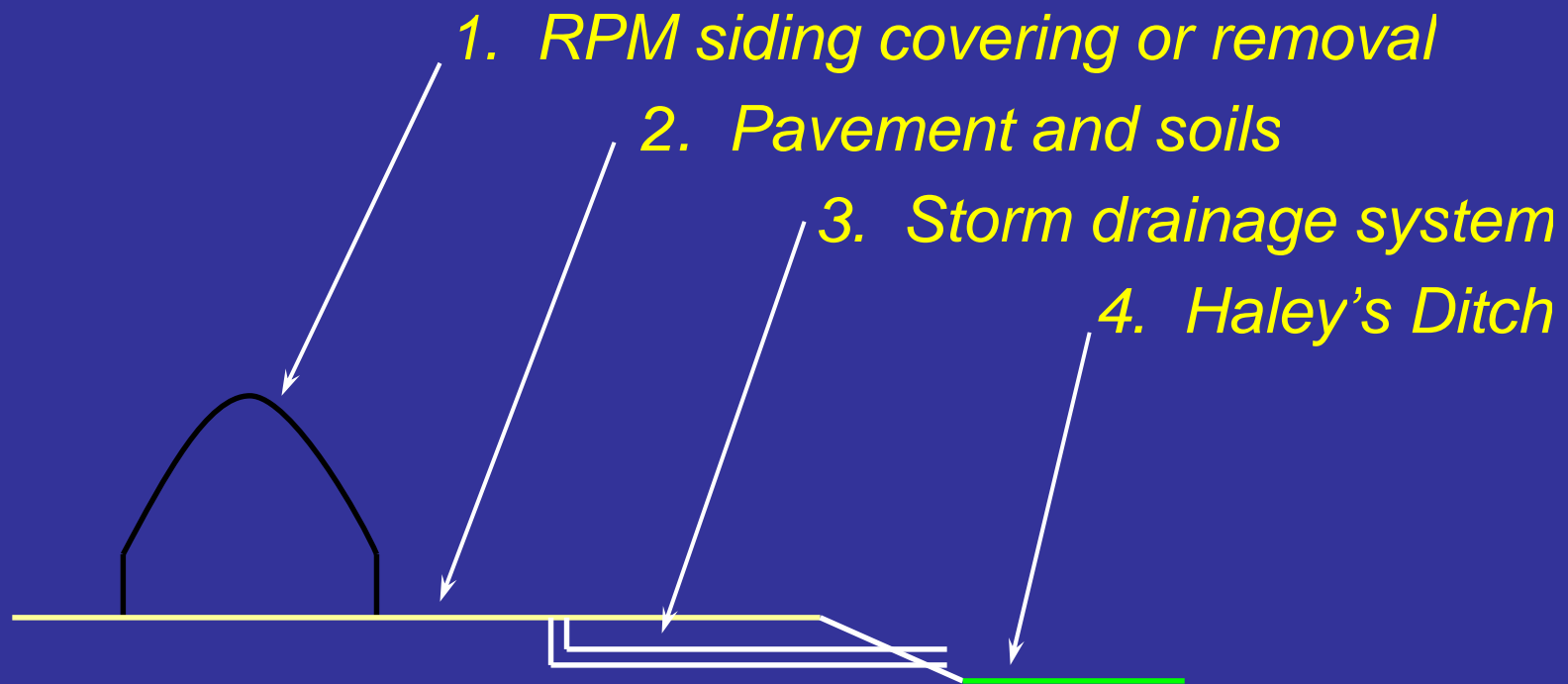
Akron Airdock

— Exterior Renovation
Progress to Date and Future Plans

August 28, 2008

Exterior Cleanup Approach

Work from source outwards:



Exterior Progress 2003 to 2007

- *Removed visible surface debris from around the Airdock, cleaned accessible storm drain manholes and installed and maintained storm drain filters*
- *Replaced Gutters (1,920 feet) and completed roof and door covering with rubber membrane (693,000 sq.ft.)*
- *Completed Vertical siding replacement (2,400 feet, 24 feet tall equal to 57,600 square feet) and replaced siding on two south motor houses and substation*
- *Demolished Plant M link and Northeast Loading Dock*
- *Collected and analyzed samples to characterize concrete, soils, pavement and other media to develop action plans as needed*



New Gutters



SW Door Membrane
Installation, July 2005

Original Siding



1E-2E, April 2004



New Siding

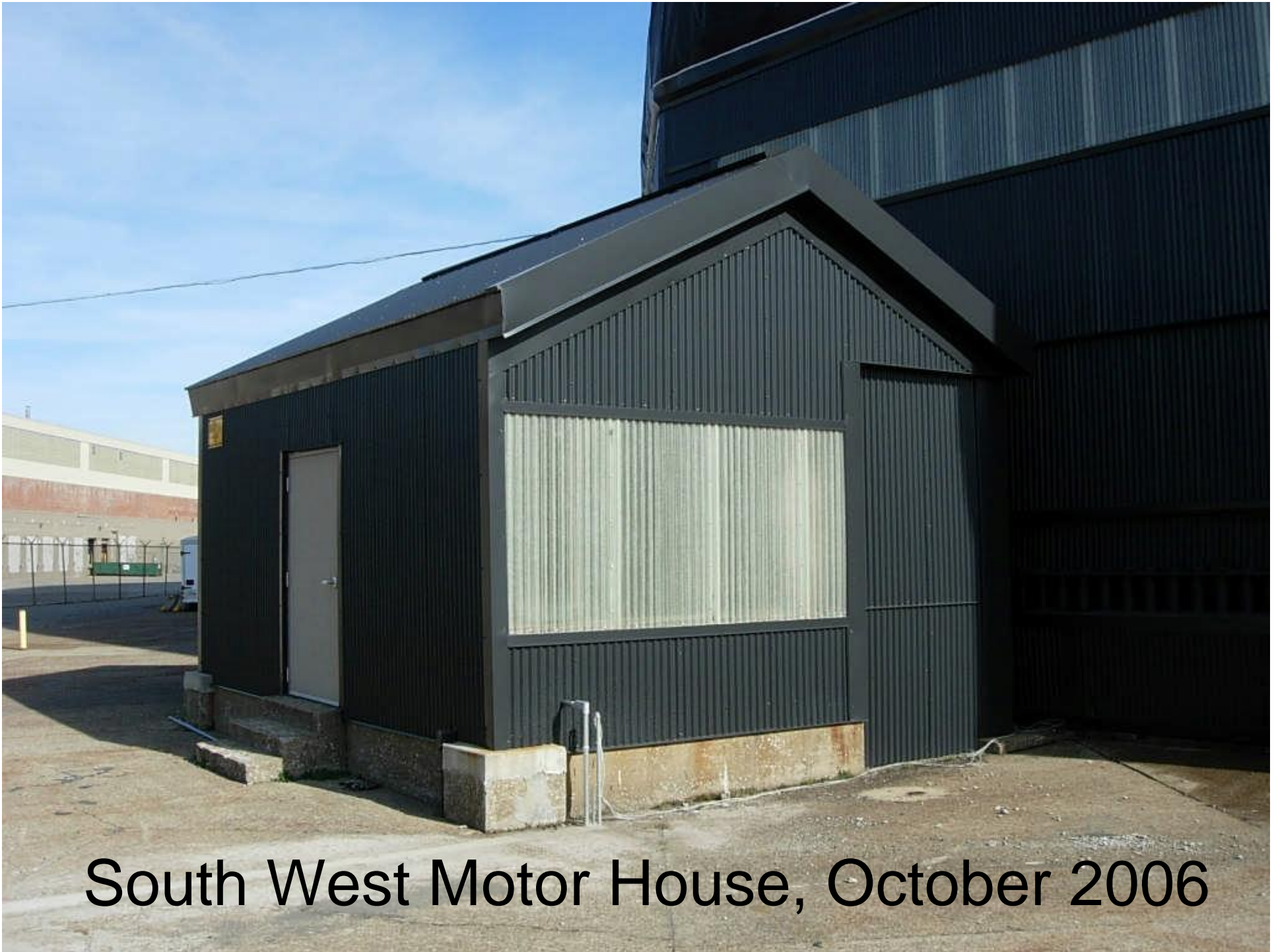
1E-2E, October 2006



New Siding
West Wall, October 2006



South Doors, October 2006



South West Motor House, October 2006

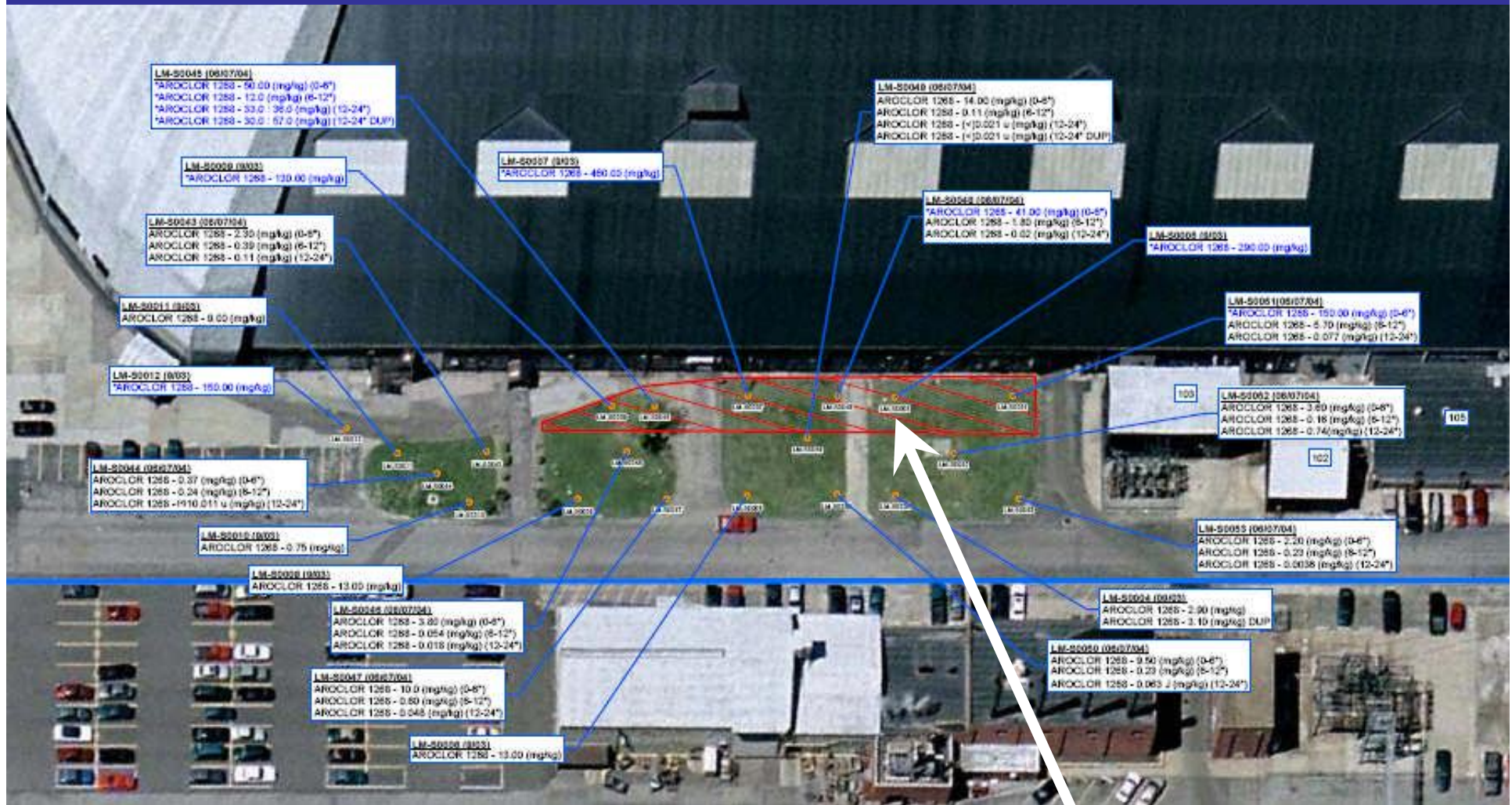


Substation, October 2006

2008 Plans and Progress to Date

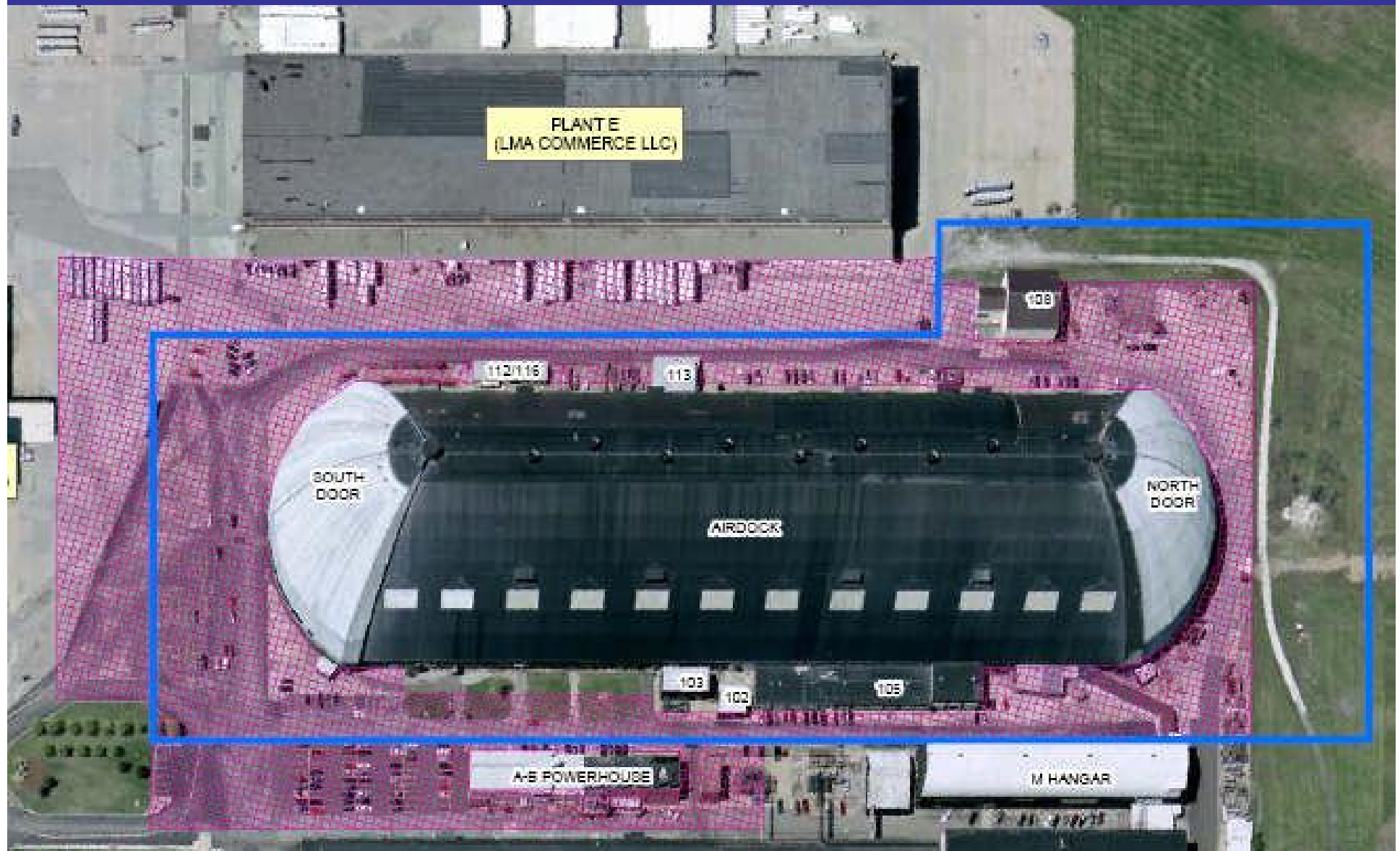
- *Soil Excavation on SE of Airdock - Complete*
- *Pavement Debris Removal - Complete*
- *Airdock Pinhouse Recoving - Underway*
- *Storm Drain Debris Removal – Start 8/25*
- *Haley's Ditch Planning - Underway*

Soil Excavation



Soil Excavation Area

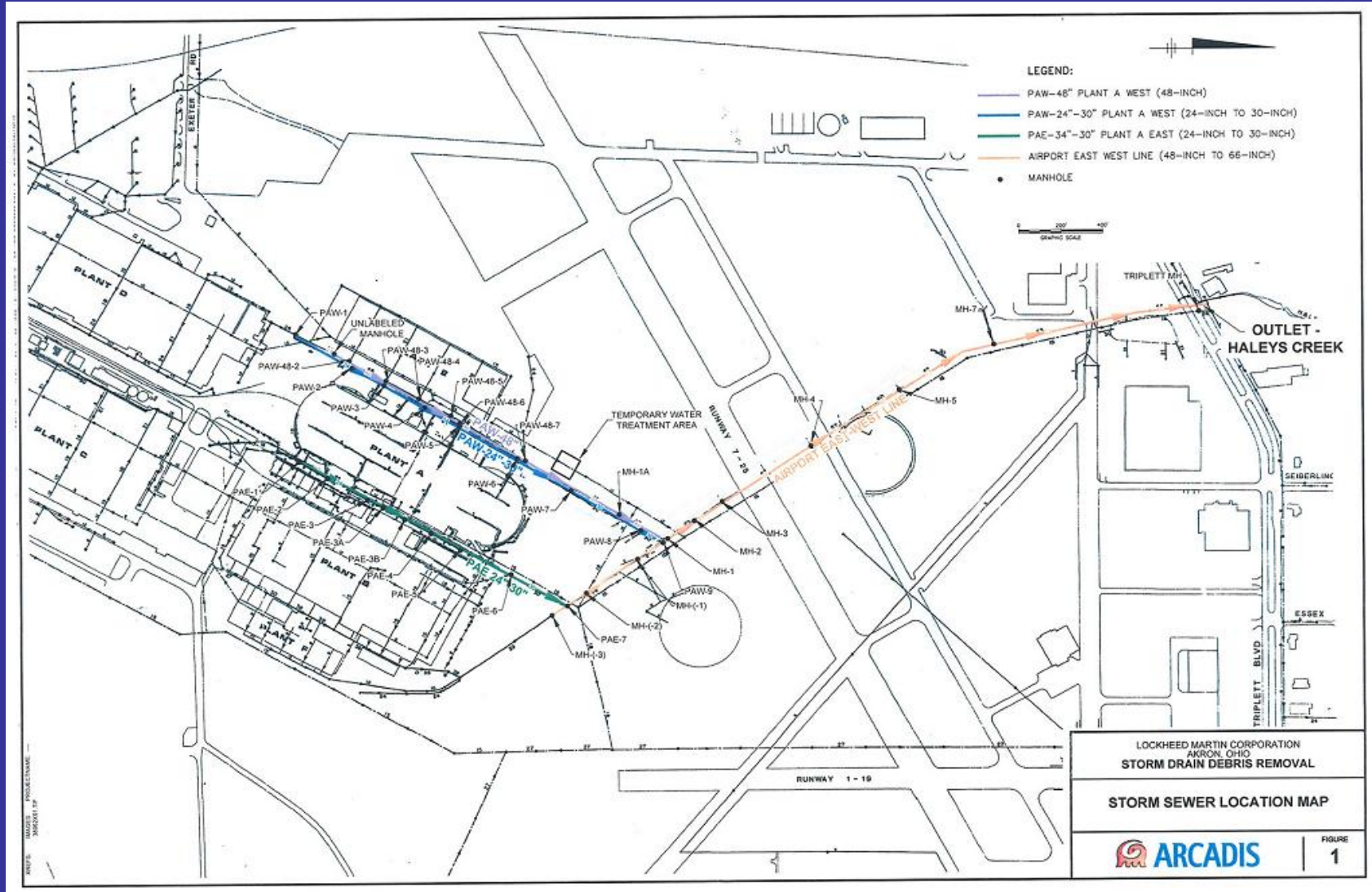
Pavement Debris Removal



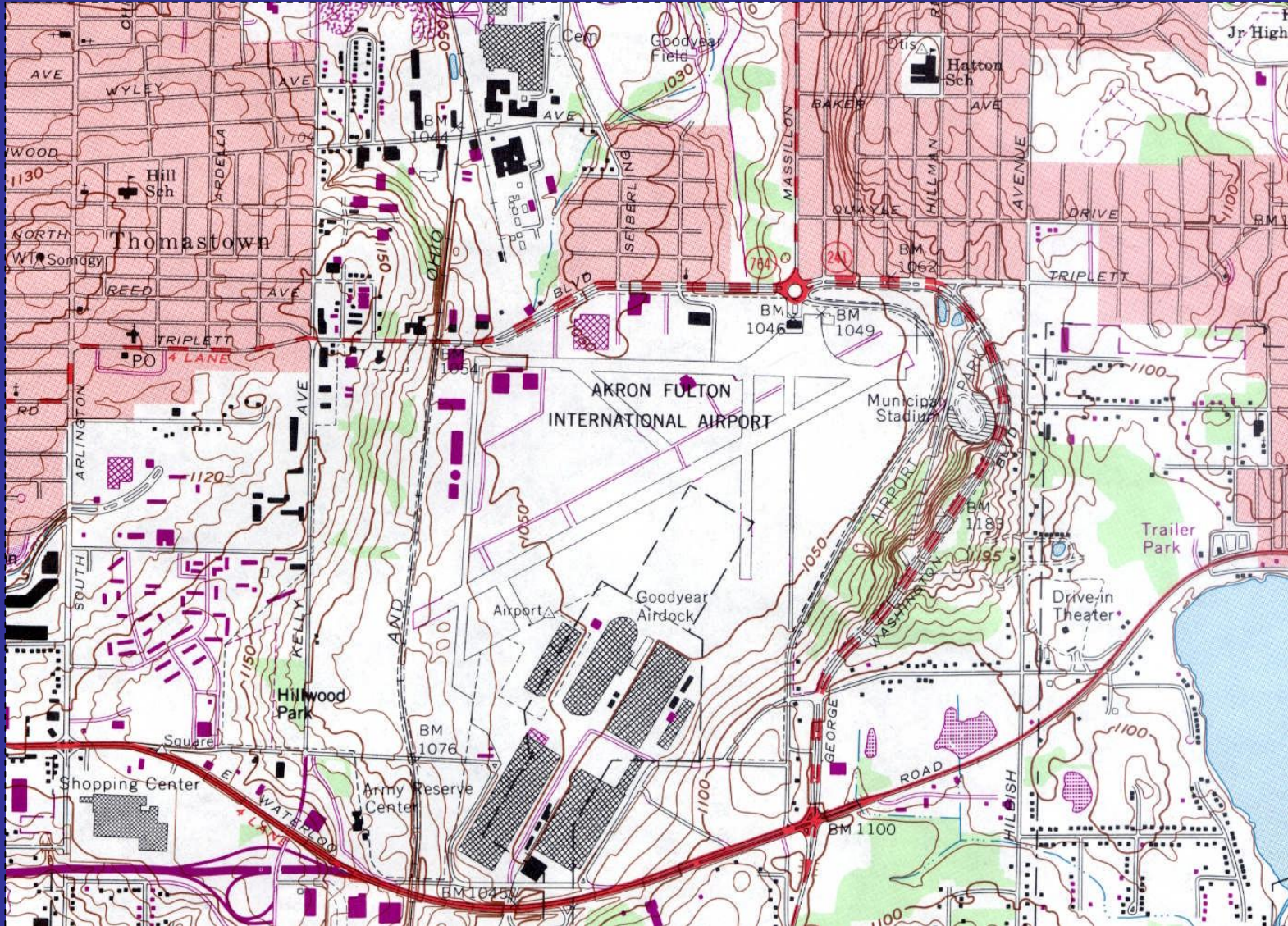
North and South Pinhouse Re-Siding



Storm Drain Debris Removal



Haley's Ditch Location



Schedule

Approval Request to EPA: September 2008

Community Engagement: November 2008 – October 2009

EPA Approval: March 2009

Corps of Engineers Permit Request: March 2009

Corps of Engineer Permit Issued: June 2009

Land Clearing: July 2009

Remediation: August – September 2009

Land Restoration: October 2009

Site Vicinity

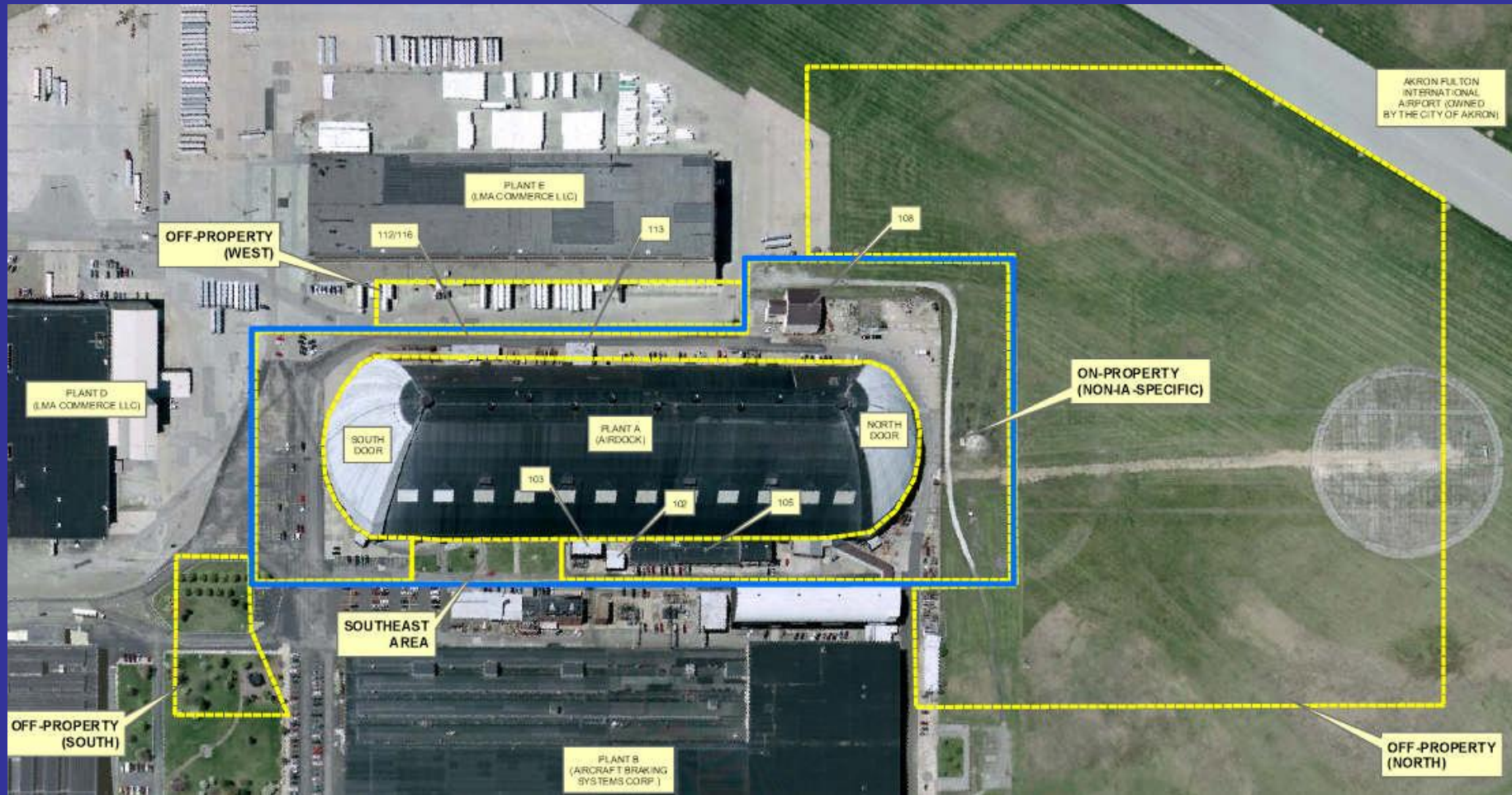
- 19-acre VAP property
- Drainage Divide
- Multiple Properties



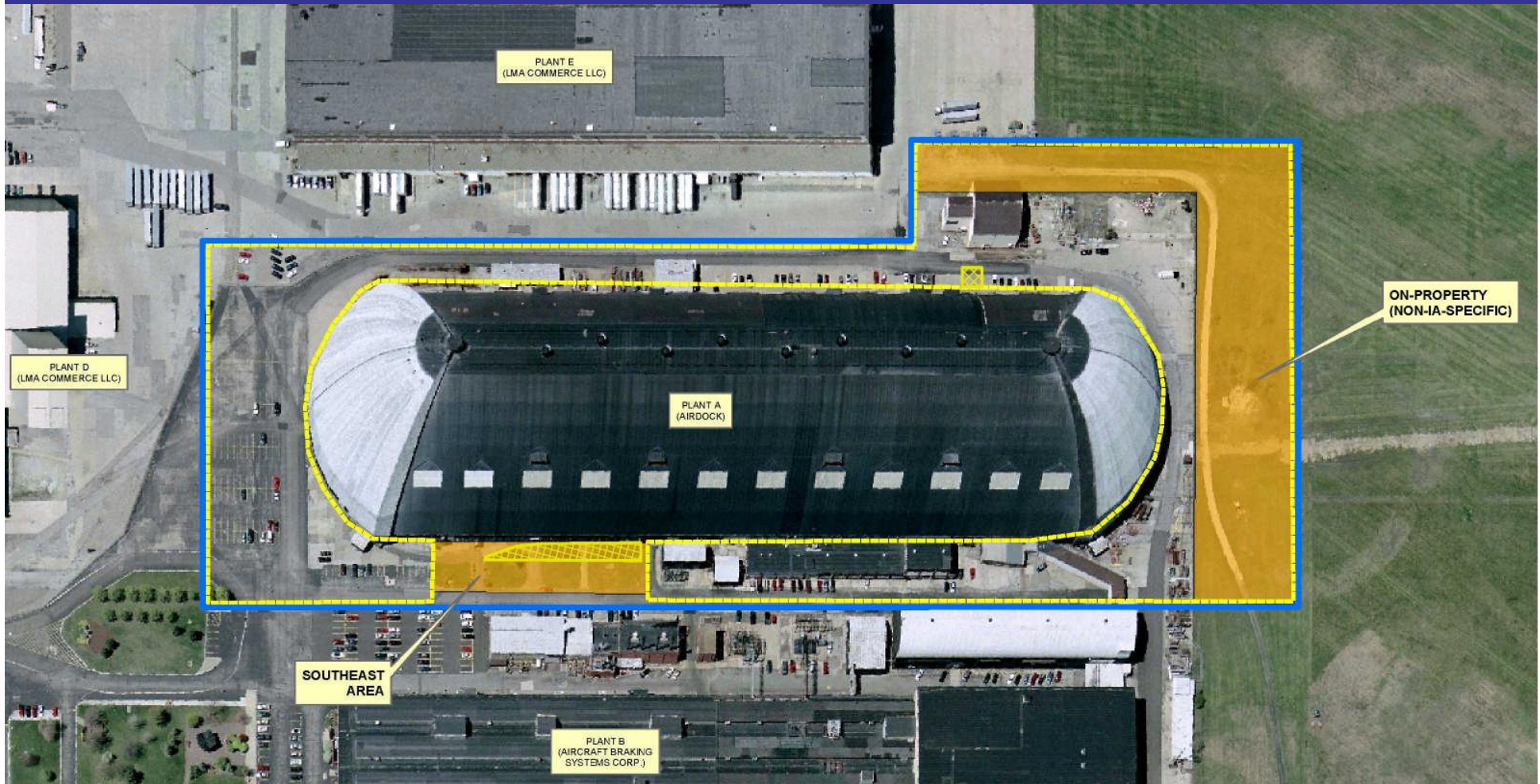
VAP Activities 2005-2008

- 13 Areas – assessment and remediation
- Property-Specific risk assessment for multi-media and current and future pathways
- Combination of remediation approaches to meet/maintain applicable standards
 - Active, passive, institutional controls, and engineering controls
- NFA with CNS 2009 (anticipated)

VAP Assessment On/Off Property



Soil Cleanup Areas



PCB Cleanup Levels

- On-Property Soil – SE area: 4.9 ppm
- On-Property Soil – North area: 1.5 ppm
- Off-Property Soil – <1 ppm

(Source: Property-Specific Risk Assessment, March 2008)

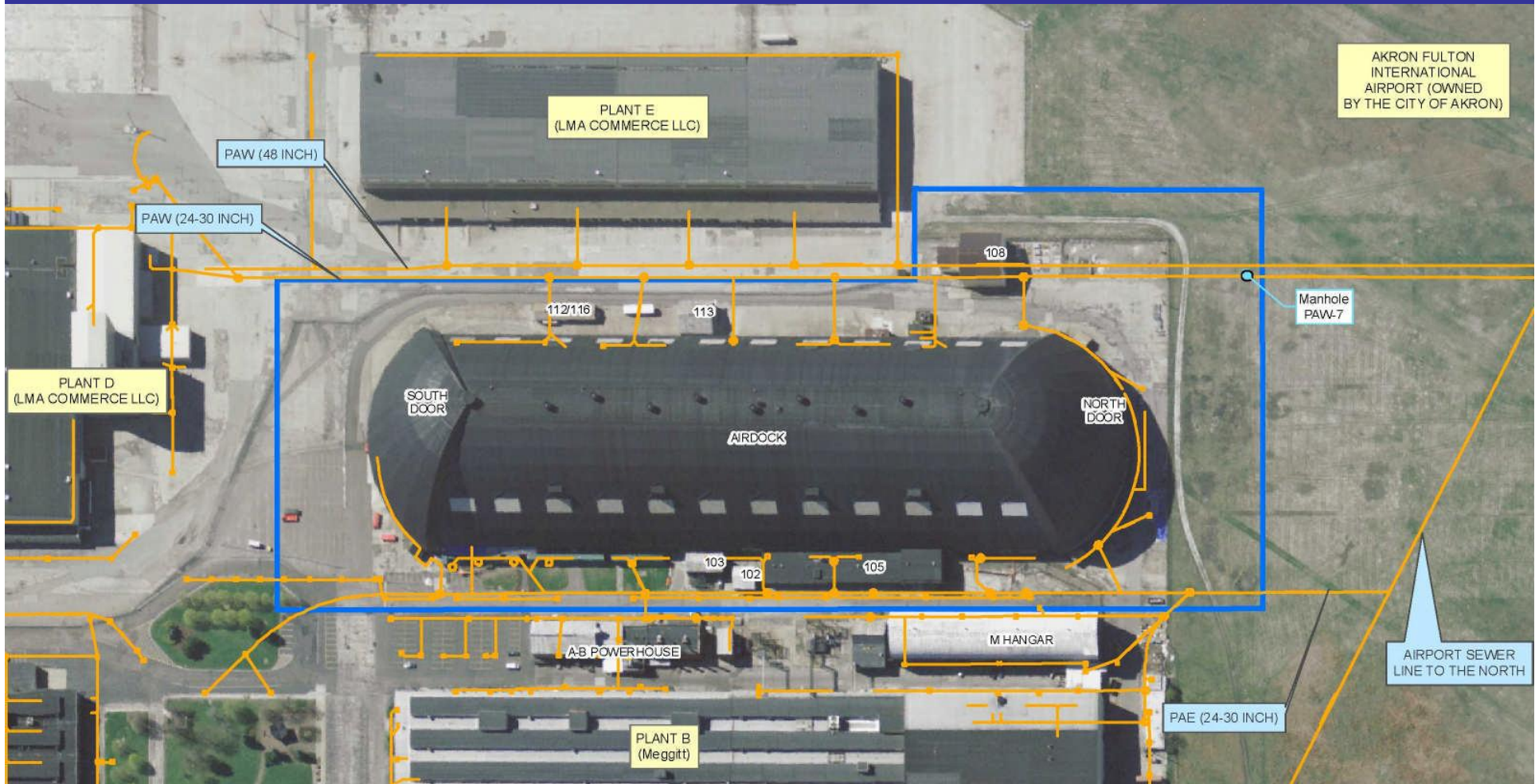
Stormwater Pathway - VAP Issue

“An assessment should be conducted to determine whether PCBs remaining in the soils on the property could result in ongoing and future PCB contamination entering the storm drainage system and emanating from the property. This potentially complete PCB migration pathway needs to be assessed to demonstrate that applicable standards have been met.” Ohio EPA, 10/23/2007

Stormwater Pathway - Approach

- Weight of Evidence
 - Complete Source Removal/Containment
 - BMPs in place; SWP3
 - Filters on catch basins
 - Limited unpaved areas
 - Modeling Exercise (Risk Assessment)
 - Post-remediation Stormwater Sampling & Analysis

VAP Stormwater Sampling Plan





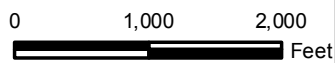
Sampling & Analysis Plan

- 3 stormwater sampling events during “measurable” rainfall
- Sample at downstream manhole at property boundary – MH-PAW7
- Analyze for Total PCBs including 1268 by EPA Method 8082, VAP certified lab
- 0.2 ug/L reporting limit
- Schedule following completion of storm drain debris removal activity (ongoing)



LEGEND

-  APPROXIMATE BOUNDARY OF 19-ACRE PARCEL
-  STORM SEWER LINE

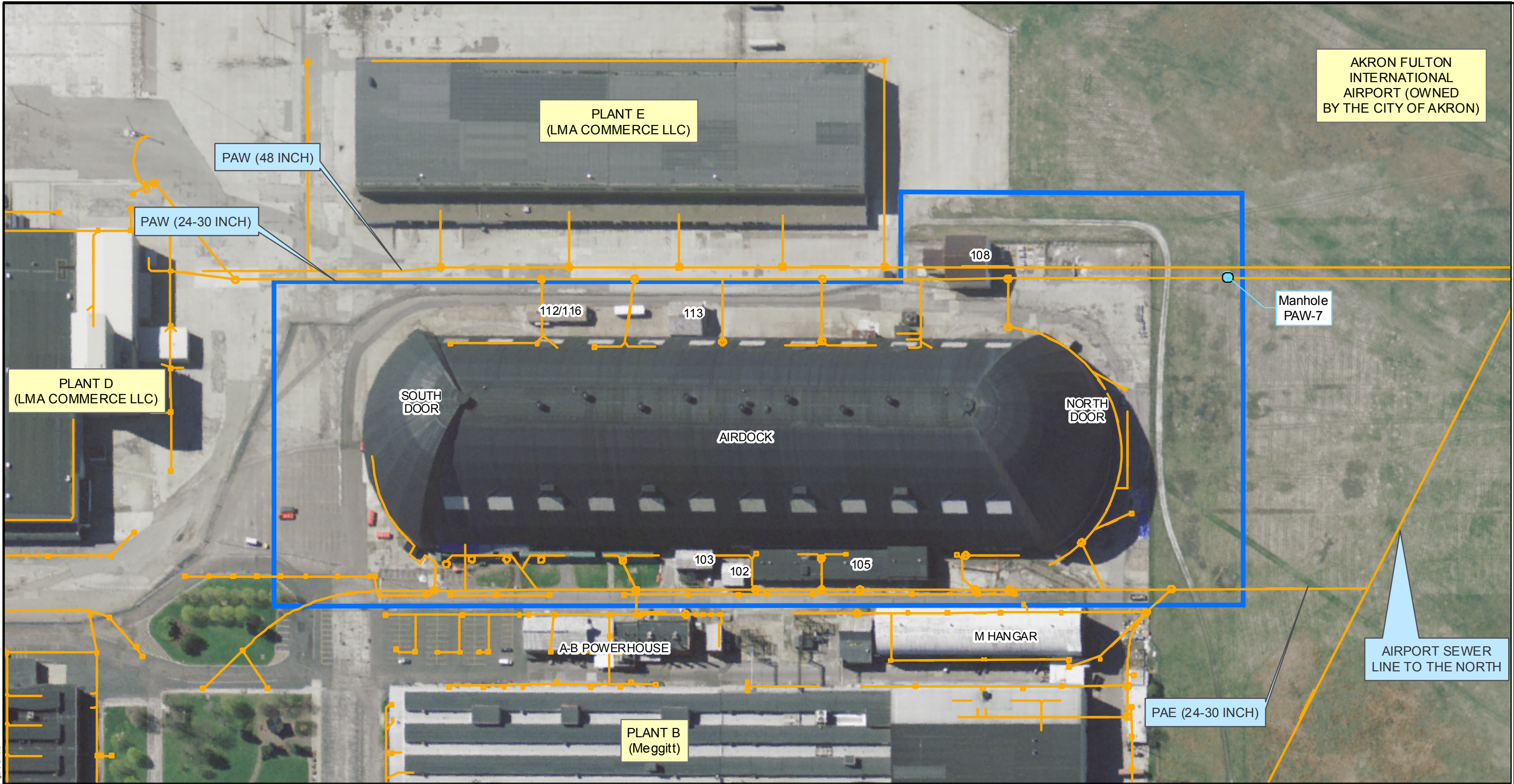


AKRON AIRDOCK FACILITY
AKRON, OHIO

FIGURE 1
SITE AERIAL PHOTOGRAPH



AKRON FULTON INTERNATIONAL AIRPORT (OWNED BY THE CITY OF AKRON)

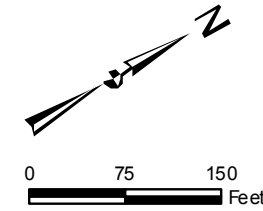


2008-08-19 X:\projects\techhead_akron\airdock_RAP_Figure 2.mxd

- LEGEND**
- Parcel Storm Sewer Sampling Location
 - Storm Sewer
 - Approximate Airdock Boundary
 - Drainage Structure (Catch Basin or Manhole)

PAW = Plant A West Storm Sewer Line
 PAE = Plant A East Storm Sewer Line

- Building Legend**
- 102 - Helium Compressor/Fire Suppression
 - 103 - Electrical Substation/Transformer House
 - 105 - Outer Press Shop
 - 108 - Motor Run-In
 - 112 - Former Flame Cutting
 - 113 - Former Acid/Alkali Waste Storage Facility
 - 116 - Storage



SOURCES: MODIFIED FROM SUMMIT COUNTY GIS, 2004 AND OSIP AERIAL PHOTOGRAPH, 2006

AKRON AIRDOCK FACILITY
 AKRON, OHIO

FIGURE 2
 STORM SEWER SYSTEM
 WITH SAMPLING LOCATION

