

LEGEND

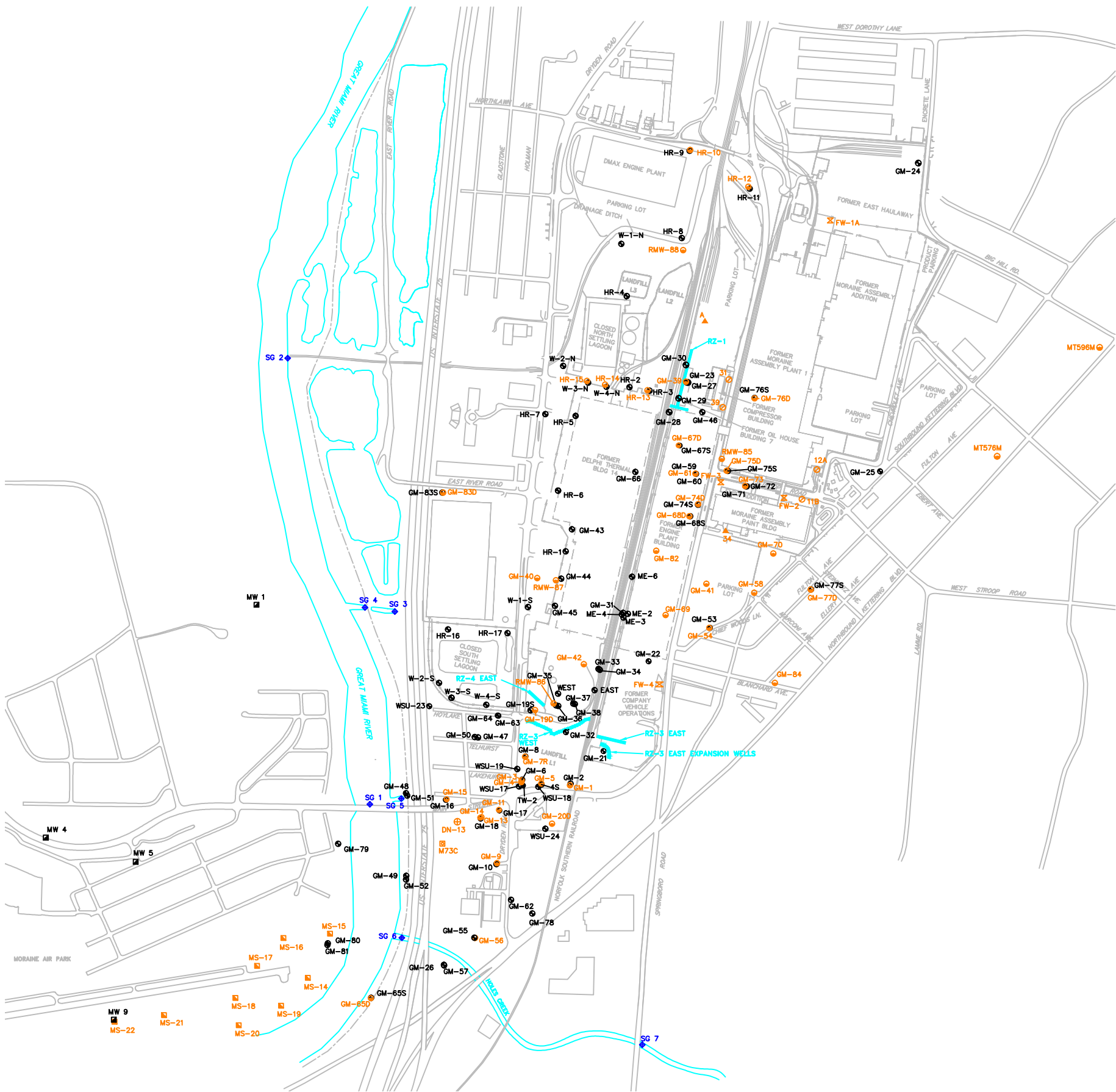
- LEGEND**
- | | |
|--|---------------------------|
| | PROPERTY BOUNDARY |
| | RIVER LEVEE |
| | FORMER BUILDING FOOTPRINT |
| | SURFACE WATER FEATURE |

RACER TRUST
MORaine, OHIO
OH000294.2012

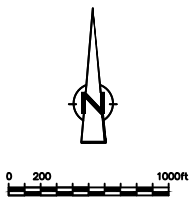
SITE LAYOUT



FIGURE 1



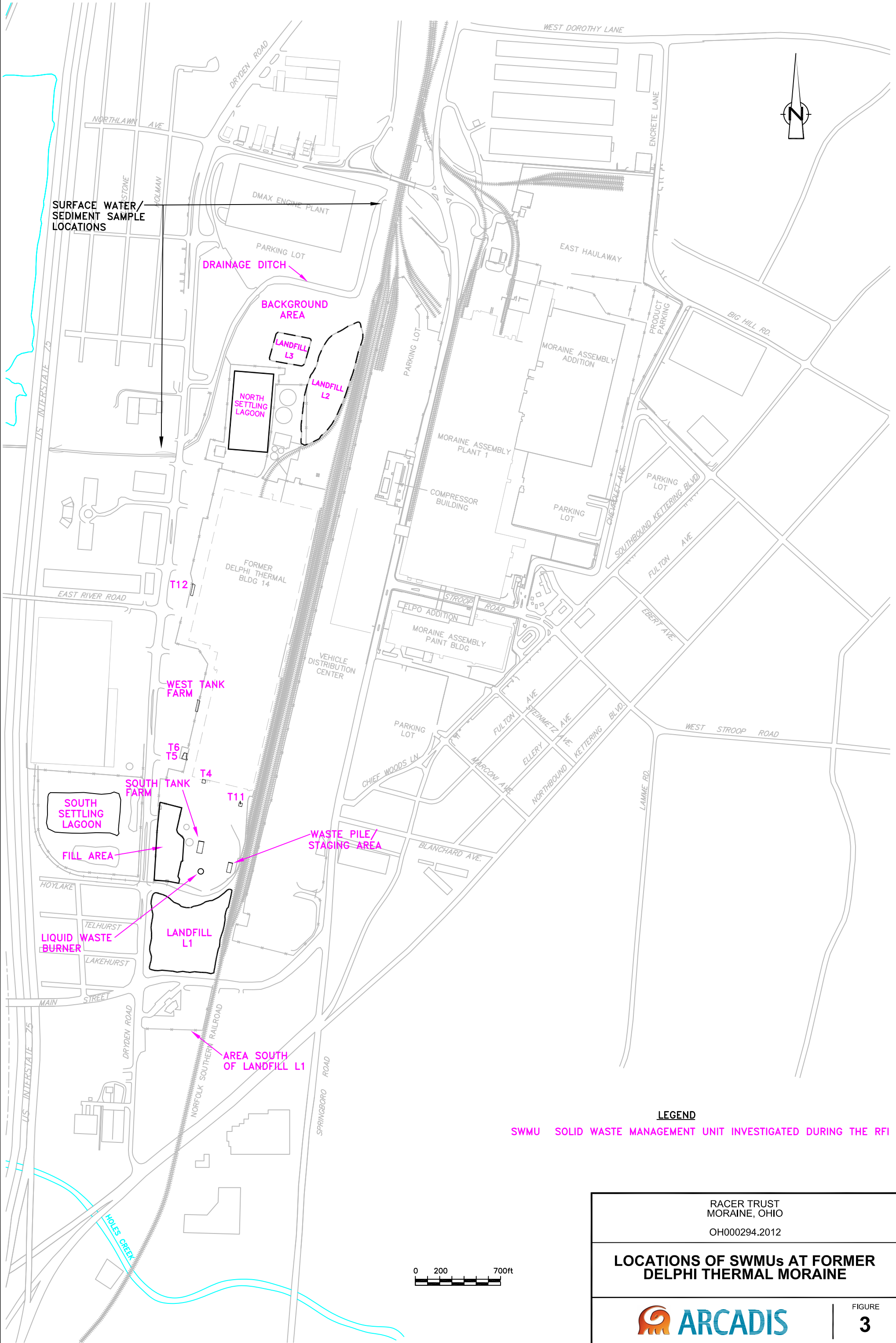
- LEGEND**
- MONITORING WELL (UPPER AQUIFER)
 - MONITORING WELL (LOWER AQUIFER)
 - PIEZOMETER
 - CARBON SOURCE INTRODUCTION WELLS, REACTIVE ZONES (RZ-1, RZ-3, AND RZ-4)
 - ⊗ FIRE WELL
 - ▲ PRODUCTION WELL CONVERTED TO MONITORING WELL (34, A)
 - INACTIVE PRODUCTION WELL (31, 39, 11B, 12A)
 - ⊕ MONTGOMERY COUNTY WELL (USED BY RACER TRUST FOR PUMP TO WASTE PROGRAM)
 - MONTGOMERY COUNTY WELL (INACTIVE MIAMI SHORES WELL FIELD - DAYTON PRIMARY PUBLIC SUPPLY BACKUP)
 - ◆ STREAM GAUGE
 - - - RIVER LEVEE
 - ⬜ CITY OF MORAINES MONITORING WELL
 - - - FORMER BUILDING FOOTPRINT
 - SURFACE WATER FEATURE
- NOTES:**
1. ORANGE INDICATES LOWER AQUIFER WELLS.
 2. BLACK INDICATES UPPER AQUIFER WELLS.



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UPPER AND LOWER AQUIFER WELL LOCATIONS





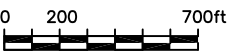
LEGEND
SWMU SOLID WASTE MANAGEMENT UNIT INVESTIGATED DURING THE RFI

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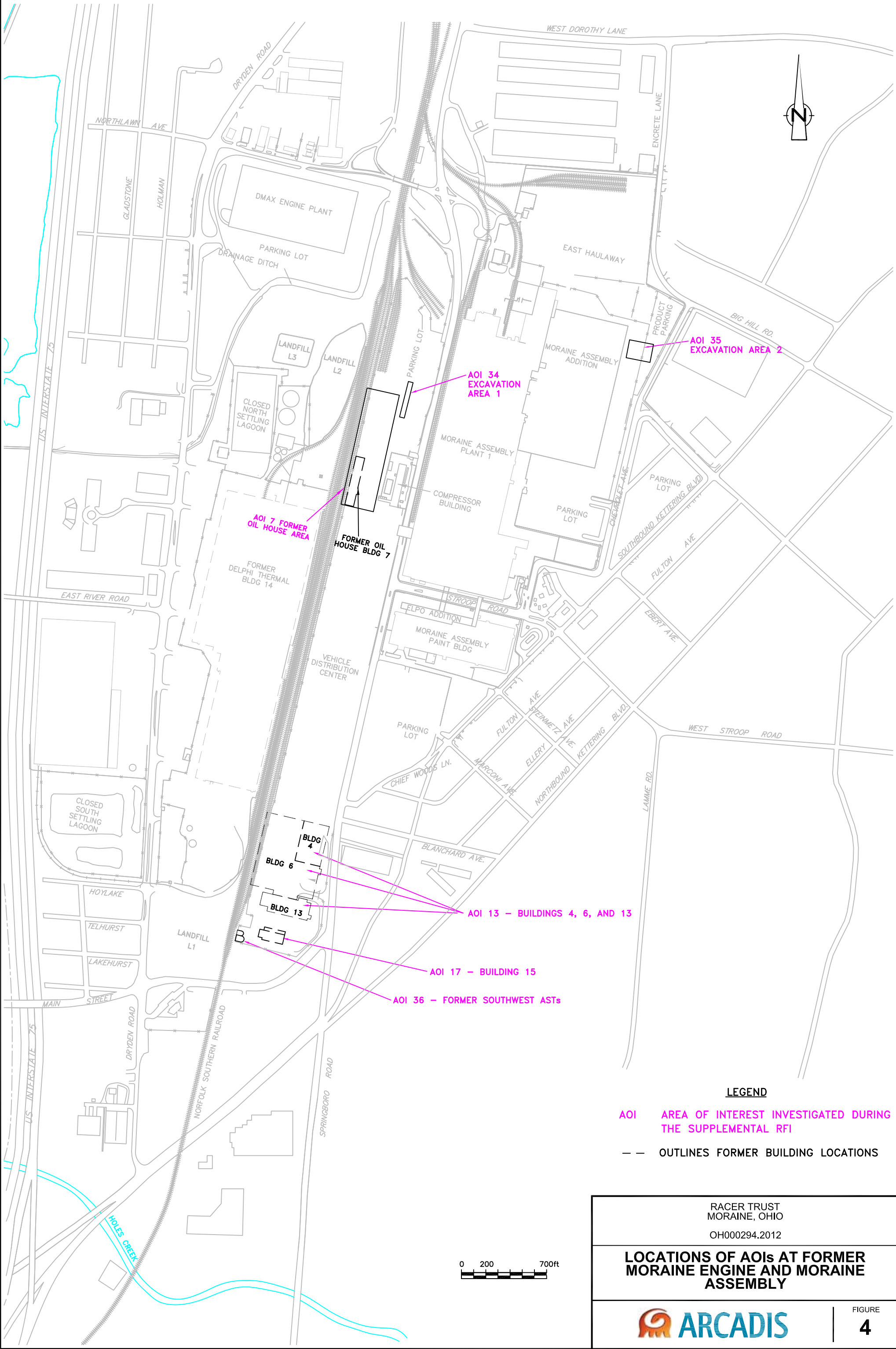
LOCATIONS OF SWMUs AT FORMER
DELPHI THERMAL MORaine

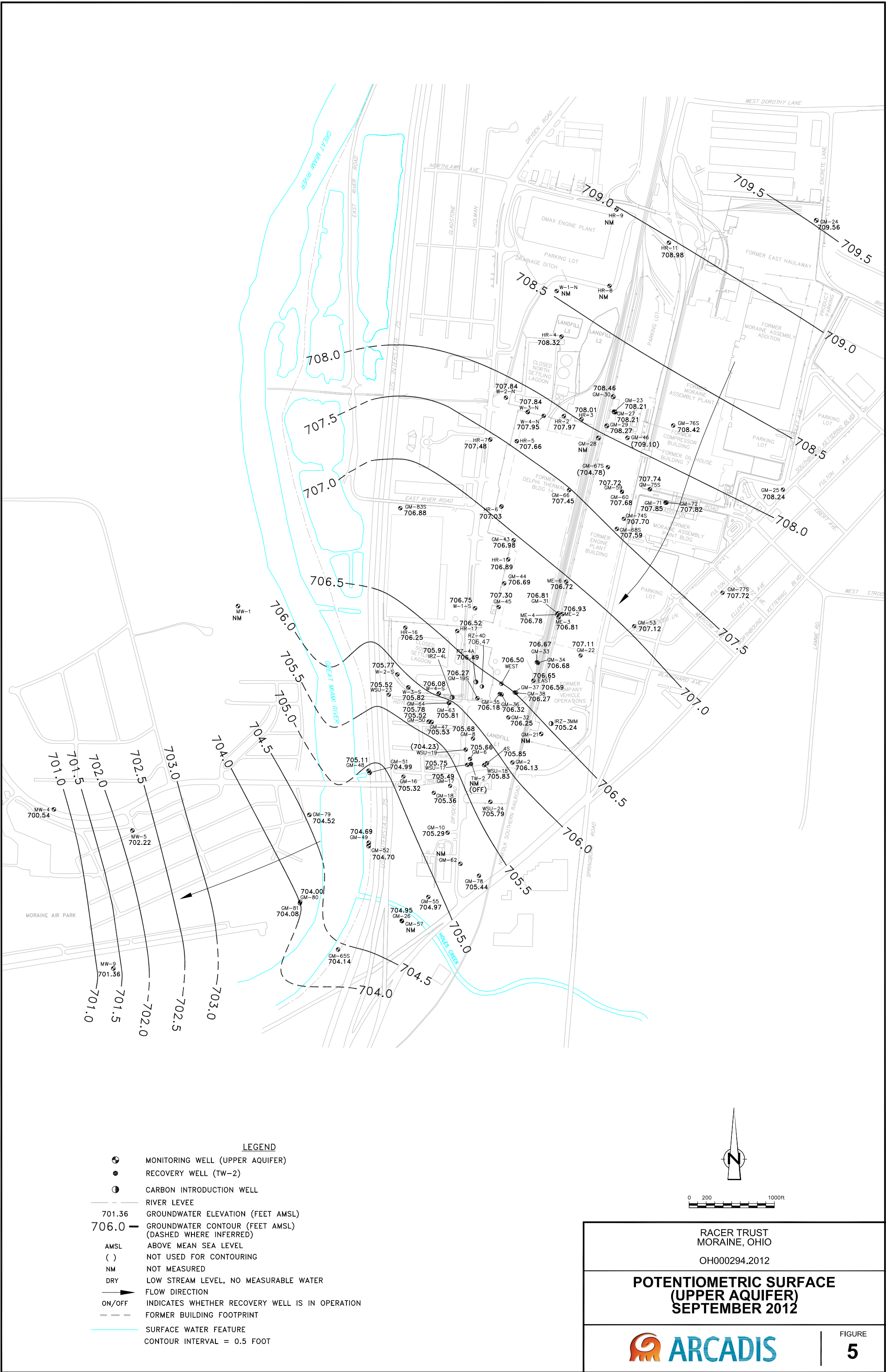
ARCADIS

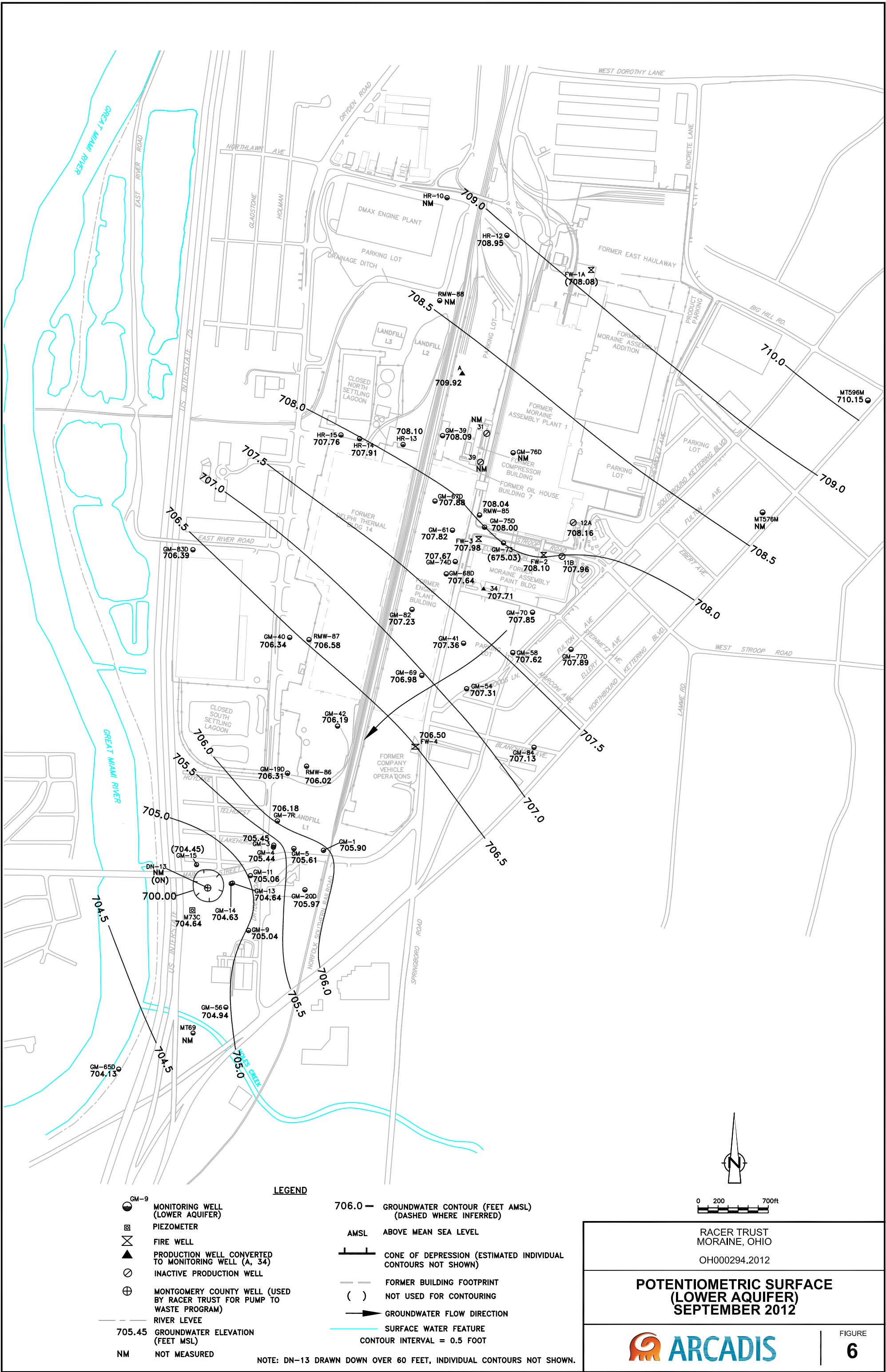
FIGURE
3

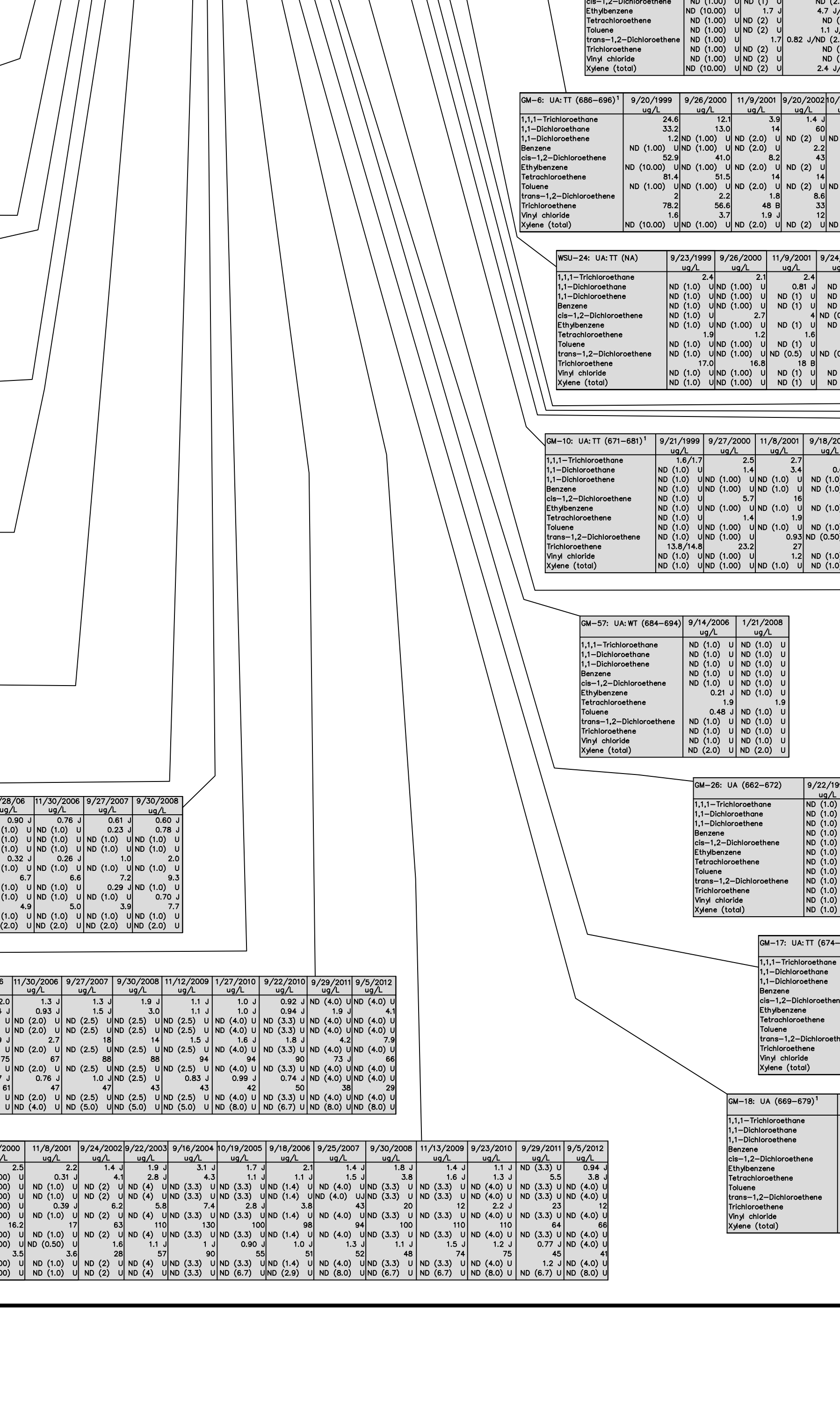


XREFS: IMAGES: PROJECTNAME: ---

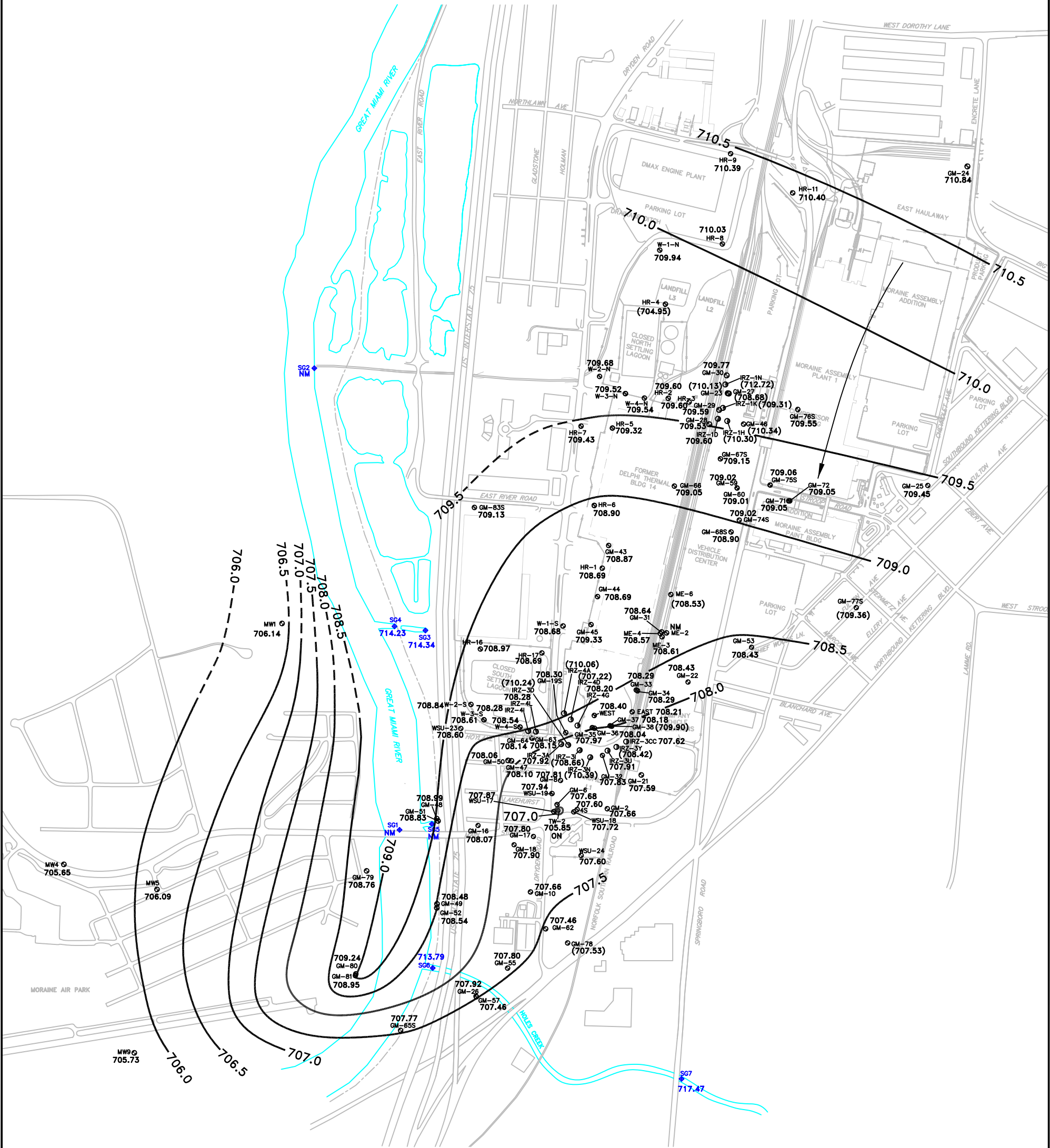




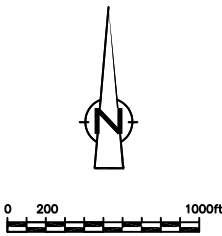


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XREFS: PROJECTNAME: ---
OH294BASE MAP 2008



- LEGEND**
- MONITORING WELL (UPPER AQUIFER)
 - RECOVERY WELL (TW-2)
 - ◆ 714.34 STREAM GAUGE AND STREAM GAUGE MEASUREMENT; NOT USED FOR CONTOURING
 - CARBON INTRODUCTION WELL (OW-4 IS AN OBSERVATION WELL FOR IRZ 1)
 - RIVER LEVEE
 - 709.94 GROUNDWATER ELEVATION (FEET AMSL)
 - 706.0 — GROUNDWATER CONTOUR (FEET AMSL)
(DASHED WHERE INFERRED)
 - AMSL ABOVE MEAN SEA LEVEL
 - CONE OF DEPRESSION
 - () NOT USED FOR CONTOURING
 - NM NOT MEASURED; DUE TO FLOODING OR DAMAGED WELL
 - FLOW DIRECTION
 - ON/OFF INDICATES WHETHER RECOVERY WELL IS IN OPERATION
 - CONTOUR INTERVAL = 0.5 FOOT

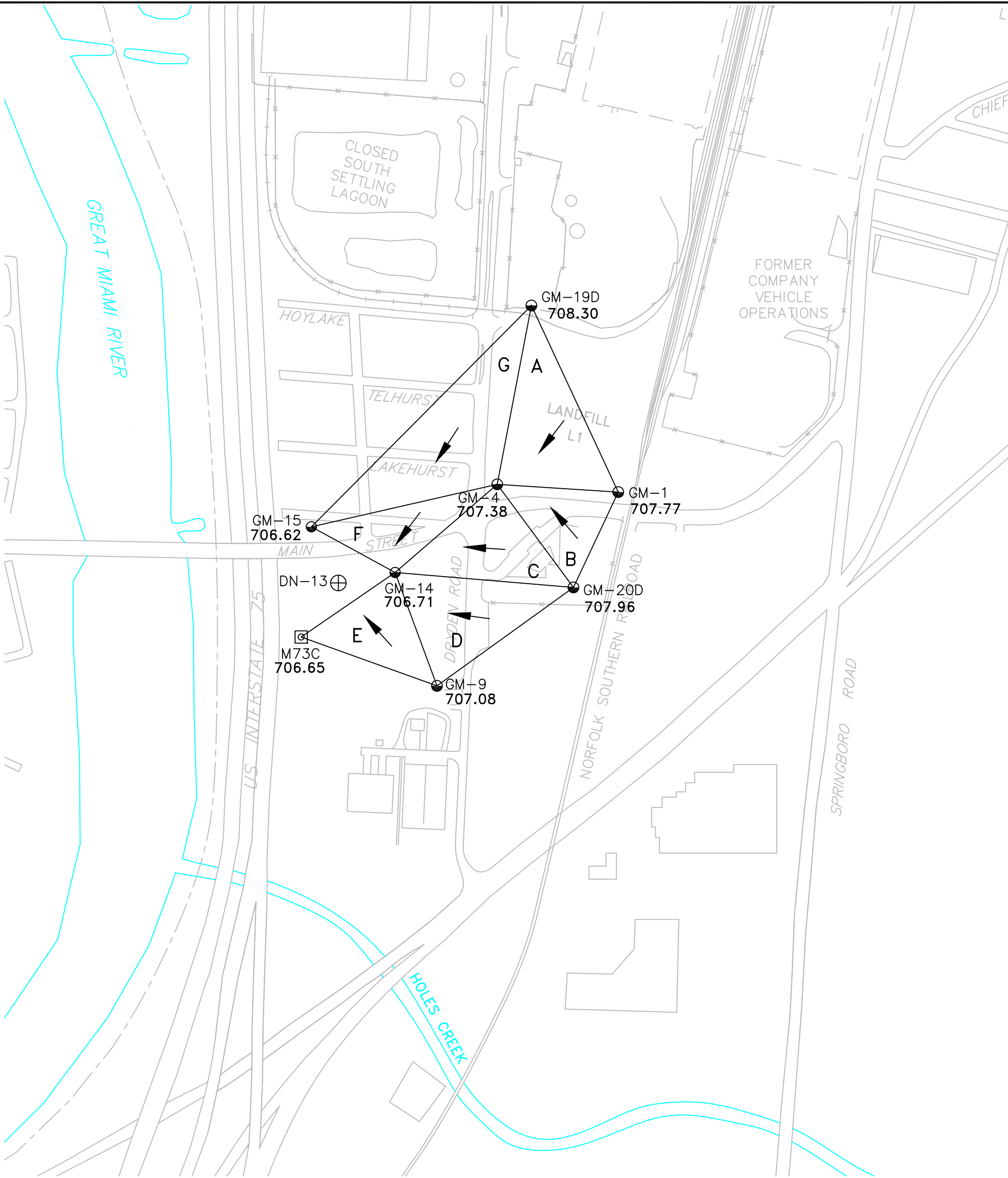


NOTE: A SMALL CONE OF DEPRESSION IS AROUND TW-2 (707.0)

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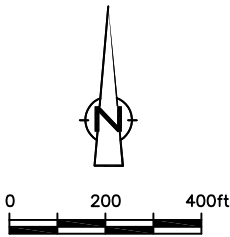
POTENTIOMETRIC SURFACE (UPPER AQUIFER) ON MARCH 5-6, 2008



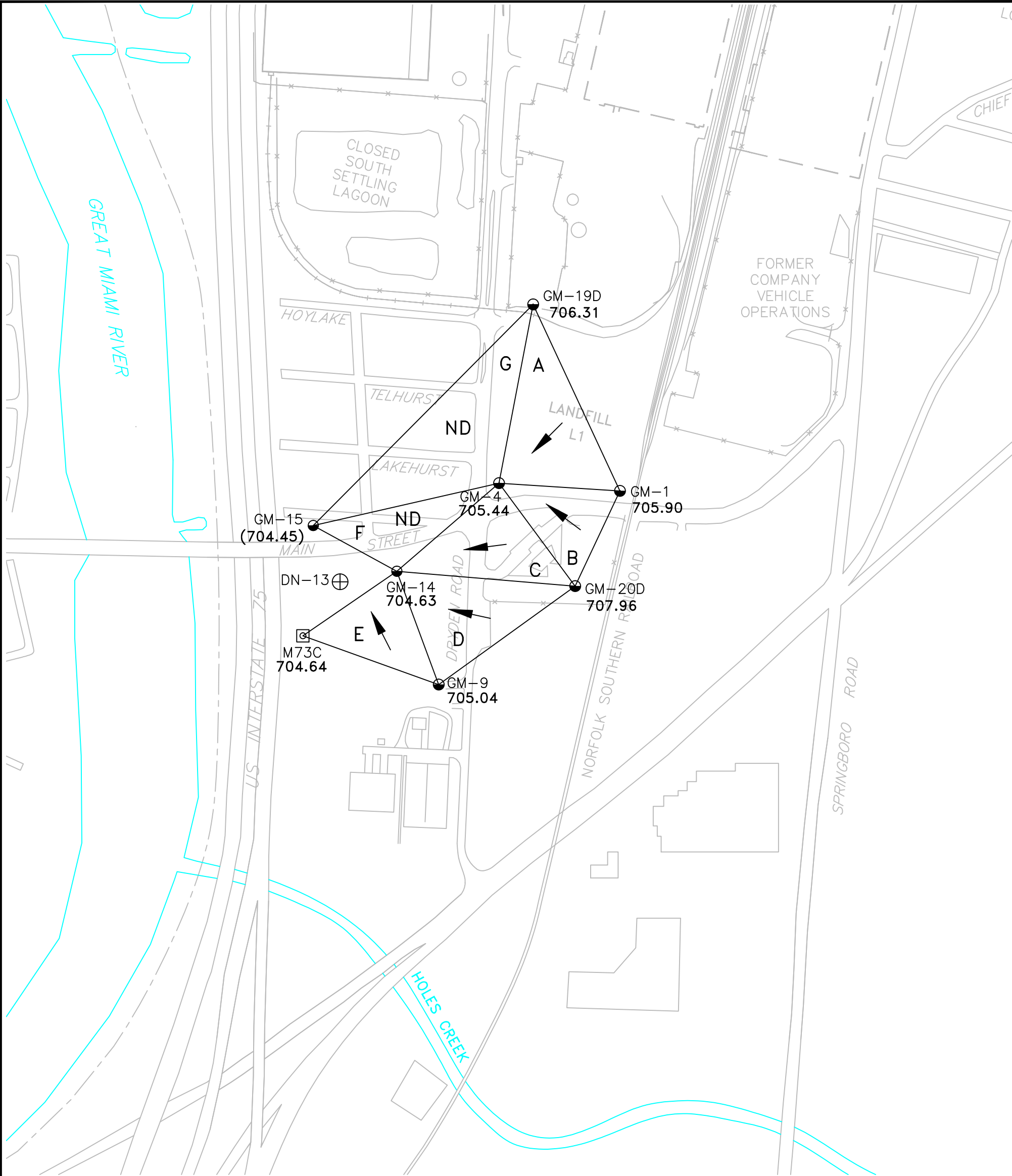


LEGEND

- GM-9 MONITORING WELL (LOWER AQUIFER)
- PIEZOMETER
- FIRE WELL
- INACTIVE PRODUCTION WELL
- MONTGOMERY COUNTY WELL (USED BY RACER TRUST FOR PUMP TO WASTE PROGRAM)
- RIVER LEVEE
- A TRIANGULAR IRREGULAR NETWORK (TIN) CELLID
- GROUNDWATER FLOW DIRECTION

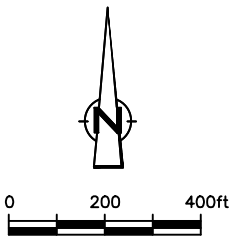


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HORIZONTAL GRADIENT SEPTEMBER 2011	
	FIGURE 11



LEGEND

- GM-9 MONITORING WELL (LOWER AQUIFER)
- PIEZOMETER
- FIRE WELL
- INACTIVE PRODUCTION WELL
- MONTGOMERY COUNTY WELL (USED BY RACER TRUST FOR PUMP TO WASTE PROGRAM)
- RIVER LEVEE
- ND NOT DETECTED
- () NOT USED IN CONTOURING
- A TRIANGULAR IRREGULAR NETWORK (TIN) CELLID
- GROUNDWATER FLOW DIRECTION

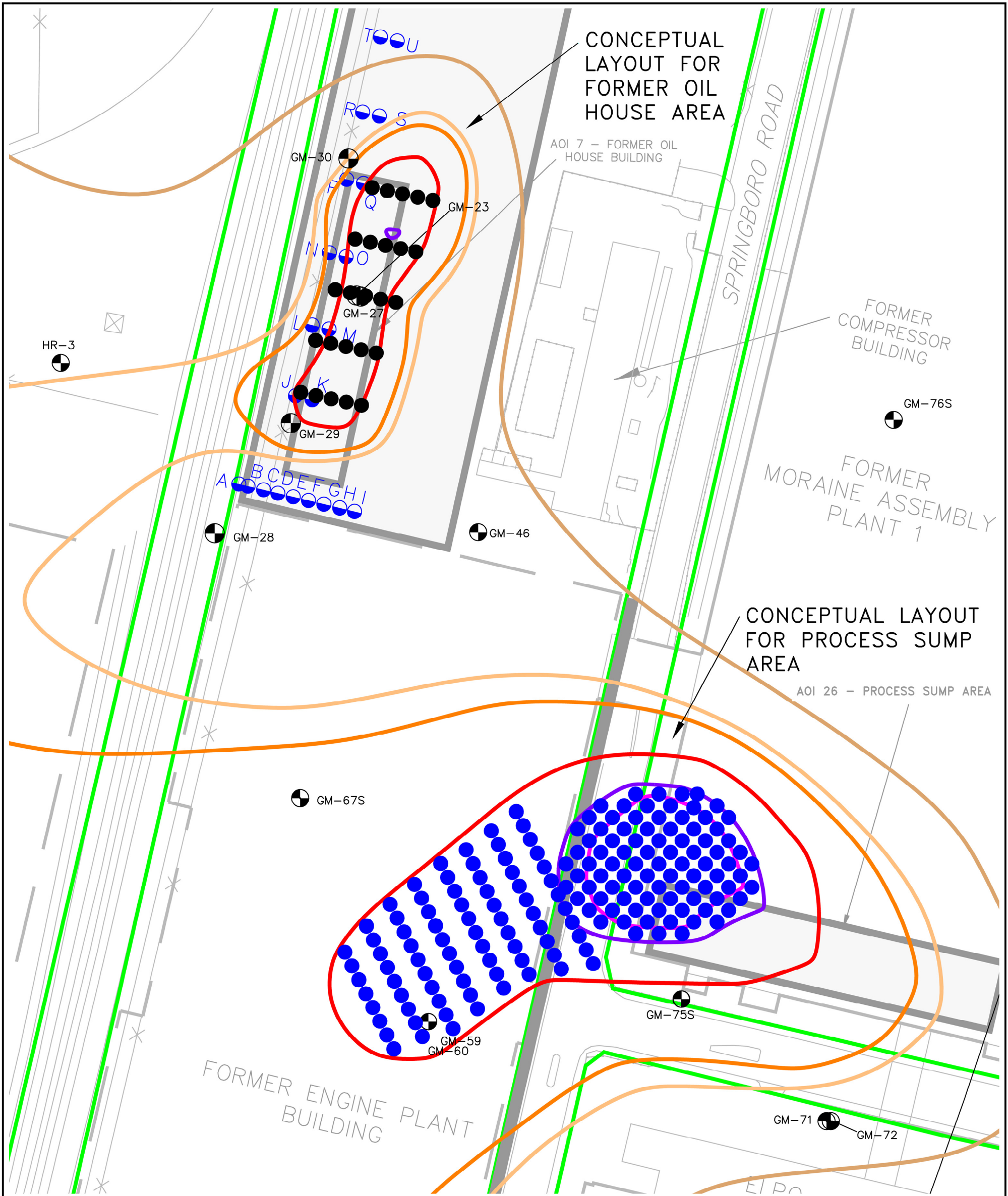


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HORIZONTAL GRADIENT
SEPTEMBER 2012

ARCADIS

Figure
12



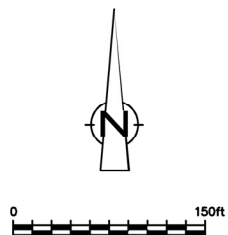
LEGEND

- MONITORING WELL (UPPER AQUIFER)
- PROPOSED CARBON INTRODUCTION WELL
- PROPOSED CARBON INTRODUCTION WELL PAIR
- EXISTING CARBON INTRODUCTION WELL (RZ-1)
- FORMER BUILDING FOOTPRINT
- TOTAL CHLORINATED VOC PLUME EXTENT TO 5 ug/L
- TOTAL CHLORINATED VOC PLUME EXTENT TO 50 ug/L
- TOTAL CHLORINATED VOC PLUME EXTENT TO 100 ug/L
- TOTAL CHLORINATED VOC PLUME EXTENT TO 1000 ug/L
- TOTAL CHLORINATED VOC PLUME EXTENT TO 5000 ug/L
- TOTAL CHLORINATED VOC PLUME EXTENT TO 10000 ug/L
- PROPERTY BOUNDARY

ug/L MICROGRAMS PER LITER

VOC VOLATILE ORGANIC COMPOUND

THE PLUME ISO-CONTOURS WERE GENERATED USING DATA COLLECTED IN 2012, SUPPLEMENTED WITH DATA COLLECTED DURING THE 2006-2008 SUPPLEMENTAL GROUNDWATER INVESTIGATION. HISTORICAL GROUNDWATER DATA WAS USED TO ESTIMATE CURRENT CONCENTRATIONS AT THE FORMER OIL HOUSE AREA.



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PROPOSED SOURCE AREA TREATMENT
CONCEPTUAL LAYOUTS

