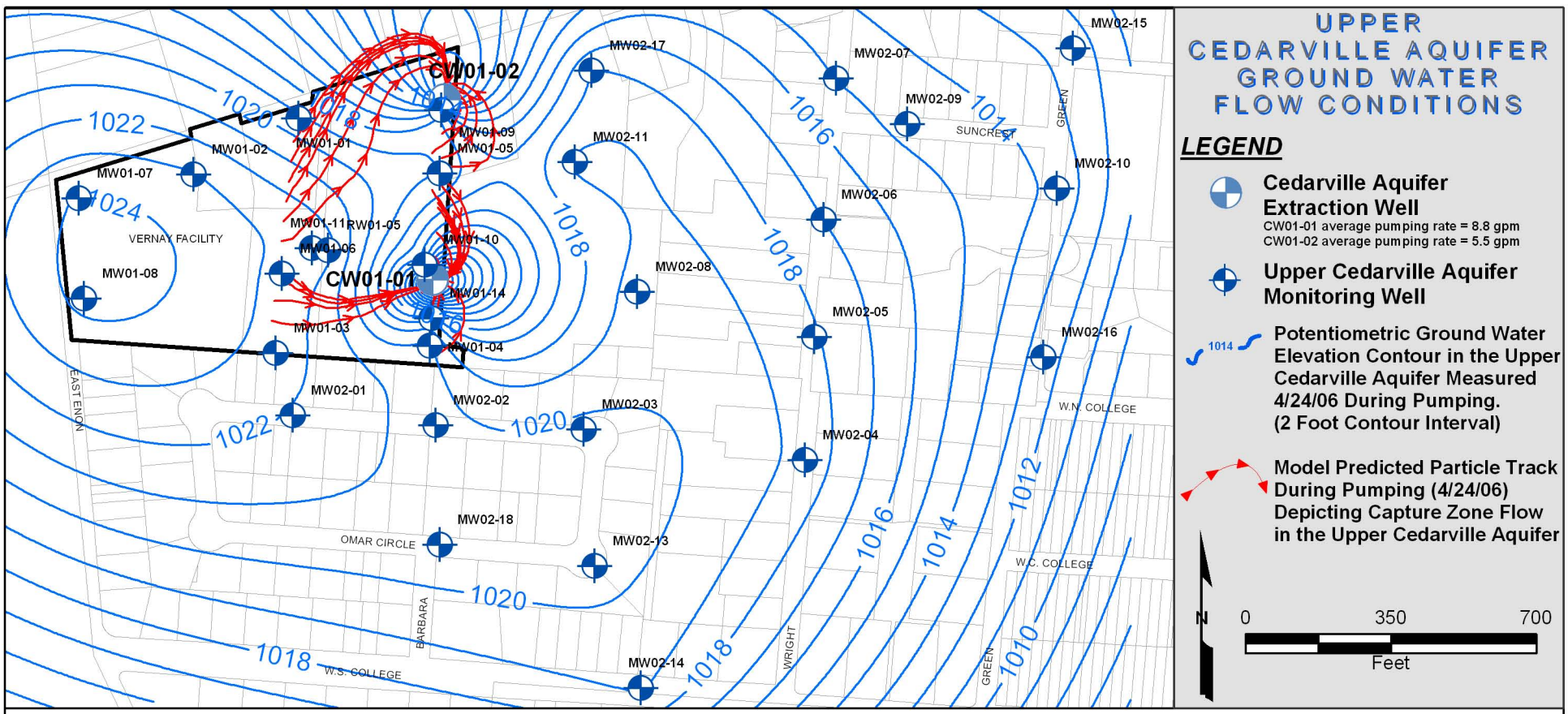
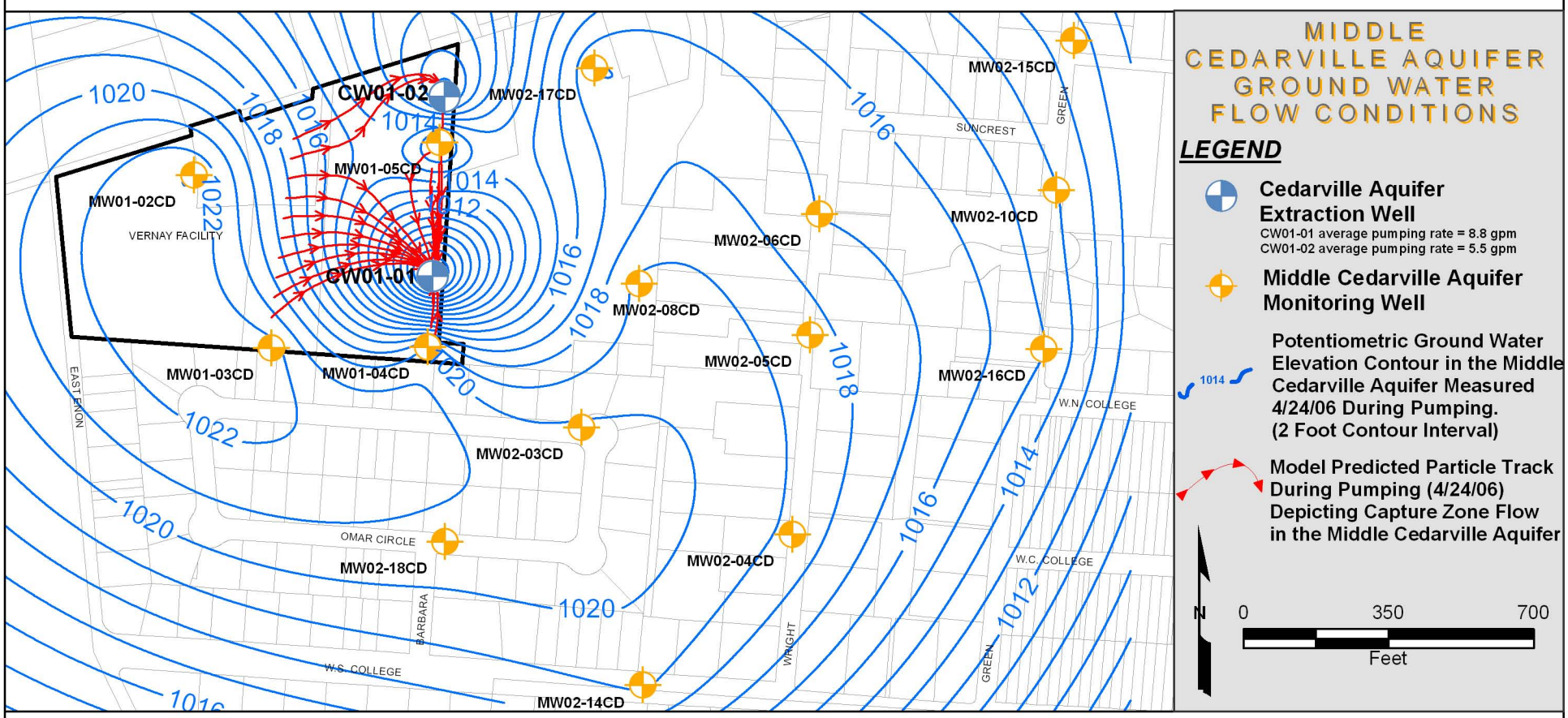
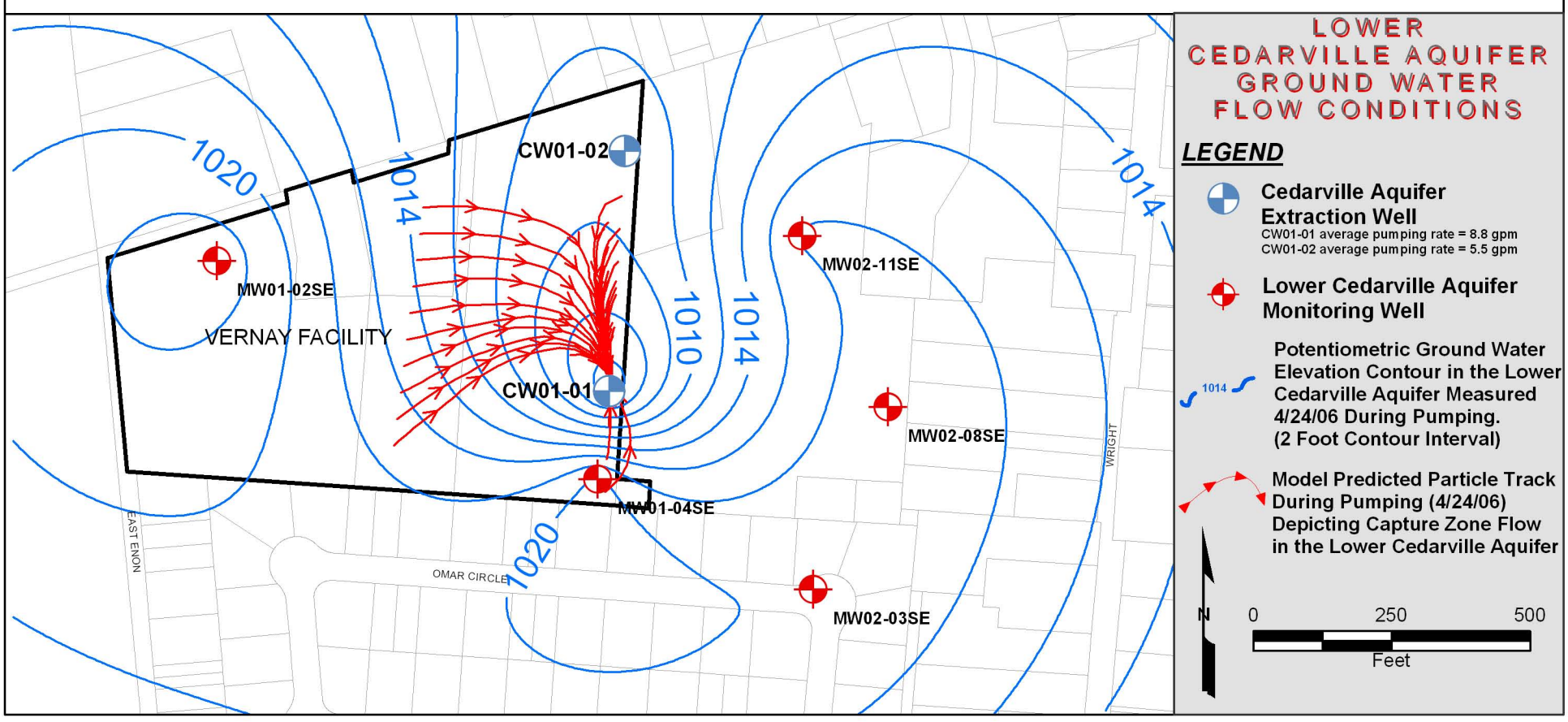






CLIENT **VERNAY LABORATORIES, INC.**	FIGURE **1**	DATE **6/14/06**	
TITLE **MODELED EQUIPOTENTIAL SURFACES OF THE CEDARVILLE AQUIFER UPPER, MIDDLE AND LOWER ZONES (APRIL 2006)**	DRAWN BY **ALH**	APPROVED BY **KDK**	**The Payne Firm, Inc.** Environmental Consultants Cincinnati / Cleveland / Chicago
	PROJECT NO. **0292.11.26**		

REFERENCE *State Plane Coordinates from Woolpert Surveying, LLP, Dayton, Ohio (NAD83/NAVD88); Ground Water Modeling Completed by David Back, P.G., Hydrogeologist, Falls Church, VA*

F:\Data\PFI-MGT\Vernay\GIS\Ground Water Levels\David Back_2006\April 2006\April 2006 UML CA Flow.mxd

CLIENT
VERNAY LABORATORIES, INC.

TITLE
COMPOSITE MODELED EQUIPOTENTIAL SURFACE OF THE CEDARVILLE AQUIFER (APRIL 2006)

FIGURE NO.
April 2006

DRAWN BY
ALH

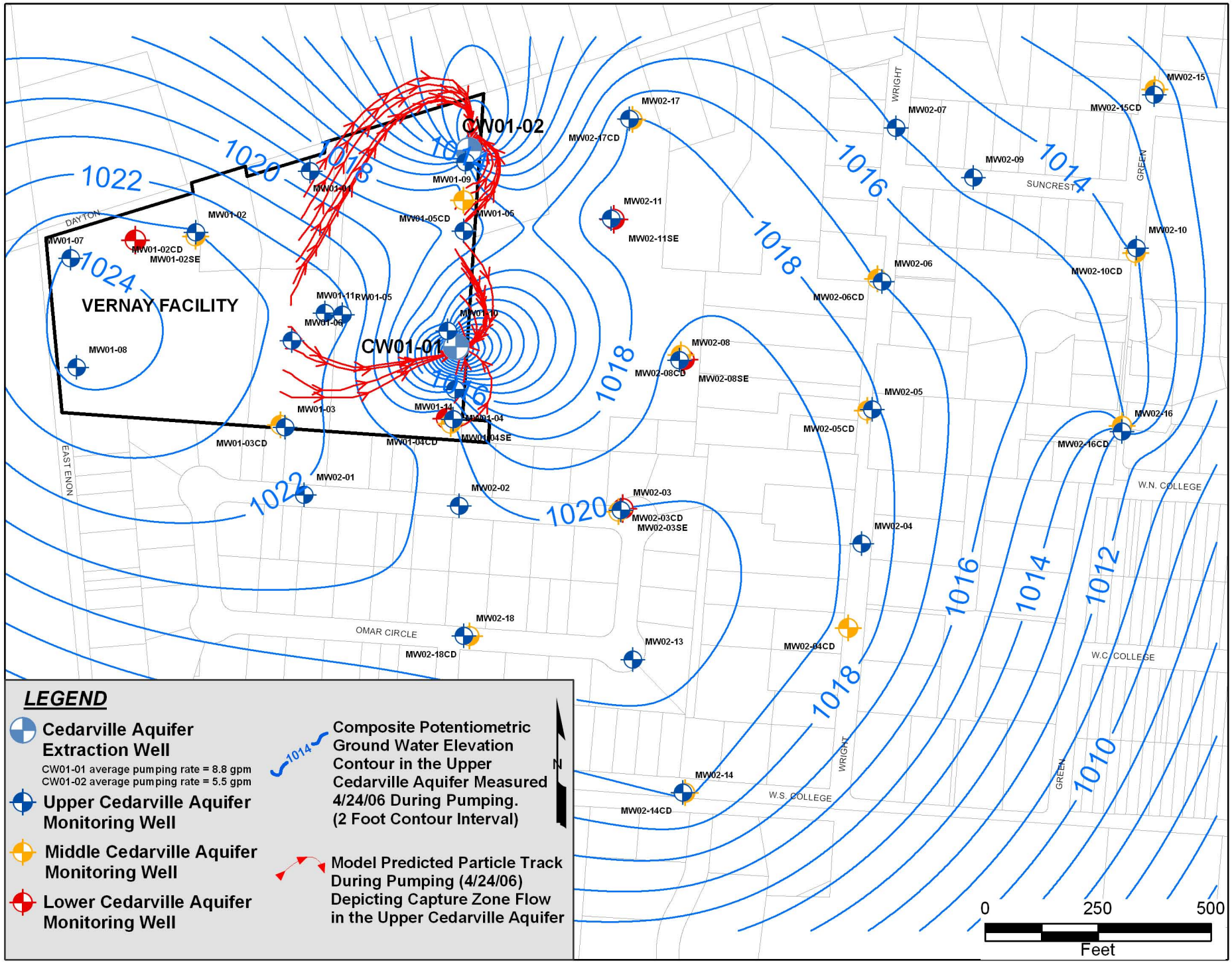
DATE
6/14/06

PROJECT NO.
292.11.26

APPROVED BY
KDK

The Payne Firm, Inc.
Environmental Consultants
Cincinnati / Cleveland / Chicago

REFERENCE Greene County Auditors, Orthophotograph (2003); State Plane Coordinates from Woolpert Surveying, LLP, Dayton, Ohio (NAD83/NAVD88)



LEGEND

- Cedarville Aquifer Extraction Well
  - CW01-01 average pumping rate = 8.8 gpm
  - CW01-02 average pumping rate = 5.5 gpm
- Upper Cedarville Aquifer Monitoring Well
- Middle Cedarville Aquifer Monitoring Well
- Lower Cedarville Aquifer Monitoring Well
- Composite Potentiometric Ground Water Elevation Contour in the Upper Cedarville Aquifer Measured 4/24/06 During Pumping. (2 Foot Contour Interval)
- Model Predicted Particle Track During Pumping (4/24/06) Depicting Capture Zone Flow in the Upper Cedarville Aquifer