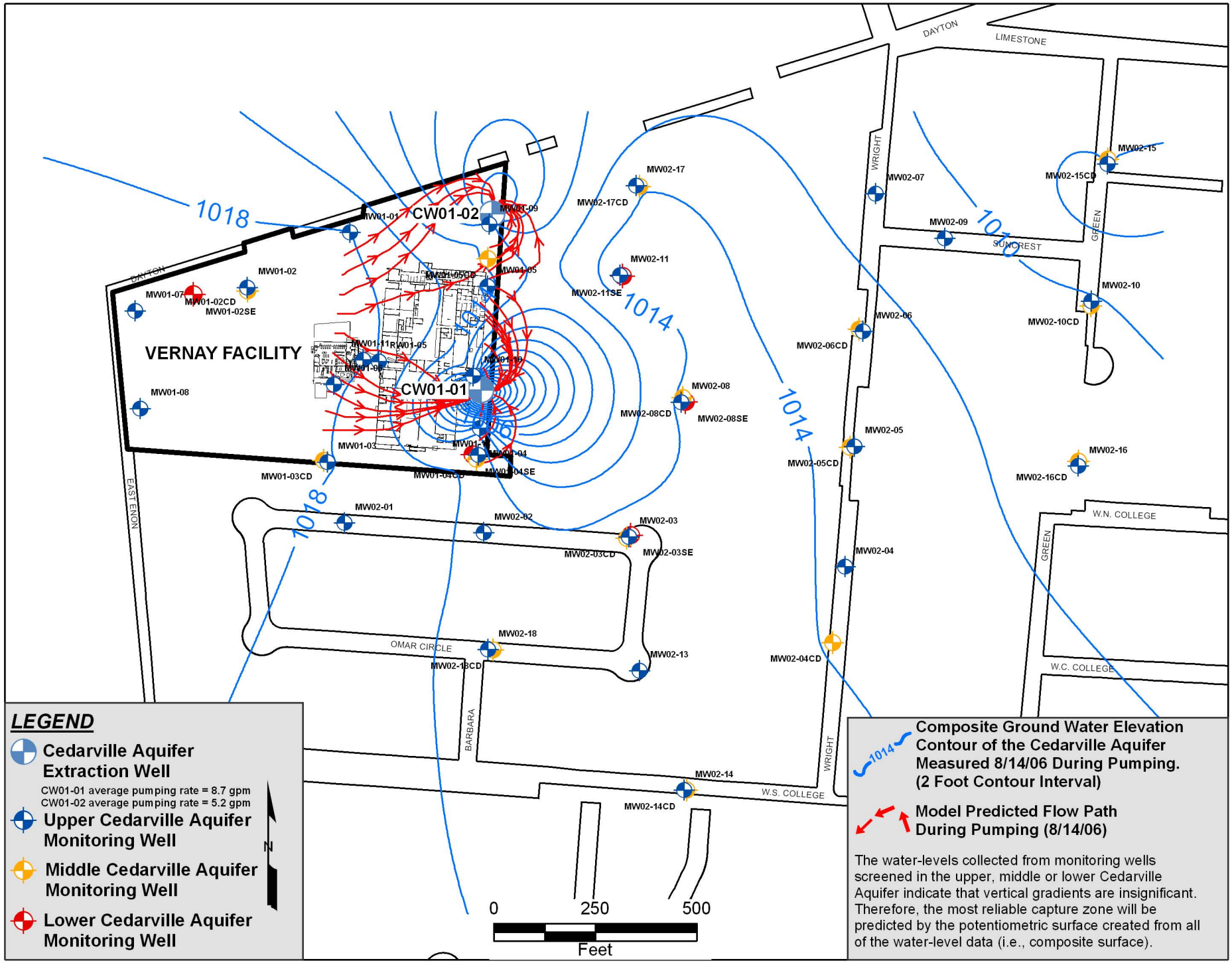
APPENDIX II

THIRD QUARTER 2006 POTENTIOMETRIC CONTOUR MAPS FOR THE CEDARVILLE AQUIFER



LEGEND

- **Cedarville Aquifer Extraction Well**
  CW01-01 average pumping rate = 8.7 gpm
  CW01-02 average pumping rate = 5.2 gpm
- **Upper Cedarville Aquifer Monitoring Well**
- **Middle Cedarville Aquifer Monitoring Well**
- **Lower Cedarville Aquifer Monitoring Well**

1014 **Composite Ground Water Elevation Contour of the Cedarville Aquifer Measured 8/14/06 During Pumping. (2 Foot Contour Interval)**

Model Predicted Flow Path During Pumping (8/14/06)

The water-levels collected from monitoring wells screened in the upper, middle or lower Cedarville Aquifer indicate that vertical gradients are insignificant. Therefore, the most reliable capture zone will be predicted by the potentiometric surface created from all of the water-level data (i.e., composite surface).

CLIENT	VERNAY LABORATORIES, INC.
TITLE	CEDARVILLE AQUIFER FLOW CONDITIONS (Q3-2006)
FIGURE NO.	Appendix II
DRAWN BY	ALH
APPROVED BY	KDK
DATE	10/13/06
PROJECT NO.	292.11.26

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

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