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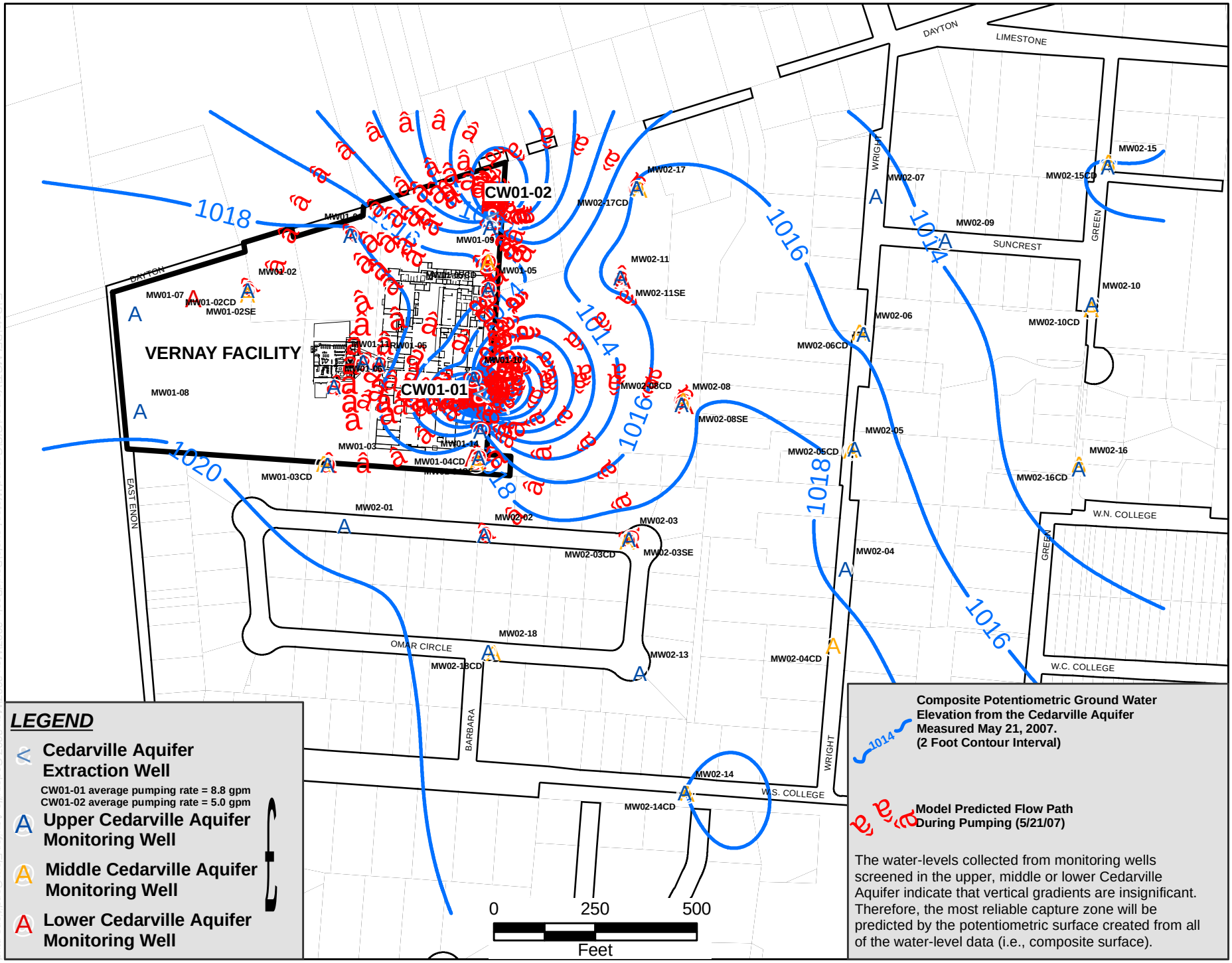
APPENDIX II

SECOND QUARTER 2007 POTENTIOMETRIC CONTOUR MAP FOR THE CEDARVILLE AQUIFER



LEGEND

- Cedarville Aquifer Extraction Well
  - CW01-01 average pumping rate = 8.8 gpm
  - CW01-02 average pumping rate = 5.0 gpm
- Upper Cedarville Aquifer Monitoring Well
- Middle Cedarville Aquifer Monitoring Well
- Lower Cedarville Aquifer Monitoring Well

Composite Potentiometric Ground Water Elevation from the Cedarville Aquifer Measured May 21, 2007. (2 Foot Contour Interval)

Model Predicted Flow Path During Pumping (5/21/07)

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 (Q2-2007)

FIGURE NO.: Appendix II

DRAWN BY: ALH

APPROVED BY: KDK

DATE: 7/13/07

PROJECT NO.: 292.11.26

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)

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