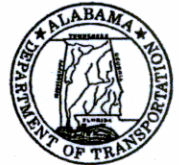




ALABAMA DEPARTMENT OF TRANSPORTATION

Bureau of Materials & Tests – Geotechnical Section
3700 Fairground Road, Montgomery, Alabama 36110
P. O. Box 303050, Montgomery, Alabama 36130-3050
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Bob Riley
Governor

Joe McInnes
Transportation Director

September 7, 2004

Ms. Kristy Wright
Alabama Department of Environmental Management
1409 Coliseum Boulevard
Montgomery, Alabama 36110

RE: Addendum 14 to the Work Plan for Rapid Response, Interim Corrective Measures,
and, Comprehensive Site Assessment
Coliseum Boulevard Project
Montgomery, Alabama

Dear Kristy:

The Alabama Department of Transportation (ALDOT) is proposing to modify the Scope of Work provided in Addendum 14, to the February 2001 Work Plan for Rapid Response, Interim Corrective Measures, and Comprehensive Site Assessment, dated February 13, 2004.

Since approval of the Addendum 14 Scope of Work by ADEM, ALDOT has continued its technical evaluation of the scope of work proposed for Pilot Test Area A (Addendum 14, Figure 2), which is tentatively identified for a partitioning inter-well tracer test (PITT) and fluid-flushing pilot test. The work proposed in Addendum 14 included further characterization of the stratigraphy and distribution of TCE concentrations in Pilot Test Area A by advancing 15 borings as shown on Figure 2 (Addendum 14). The scope of work included characterization of relative TCE concentrations by advancing a soil conductivity/membrane interface probe (MIP) to the top of the first restrictive clay layer, and sampling soil and groundwater at selected intervals within the first saturated zone.

As part of the technical evaluation of the PITT design, it has become apparent that a more extensive characterization of the subsurface is required than previously proposed in Addendum 14. Without this detailed information, we believe the performance of a PITT would be premature. As described in Addendum 14, the PITT would be designed to quantify residual dense non-aqueous phase liquid (DNAPL) in Pilot Test Area A. More information on the extent of TCE concentrations and stratigraphy is needed to ensure that a PITT, if implemented, would be fully inclusive of the potential residual DNAPL in this area.

To facilitate a more detailed subsurface characterization of Pilot Test Area A, the ALDOT proposes increasing the density of sample locations from the 15 locations

proposed in Addendum 14. The attached Figure 2A shows locations of proposed probeholes and potential step-out locations. As discussed in the Addendum 14 Scope of Work, a soil-conductivity/MIP probe will be advanced at each location using direct-push methods in accordance with the procedures described in the Addendum 03 Scope of Work approved by ADEM. The MIP results will be used to characterize relative concentrations of TCE in the shallow aquifer and at select locations. Probeholes will be subsequently drilled to collect depth-discrete soil and groundwater samples for analysis of TCE and other parameters.

ALDOT also proposes to include cone-penetrometer testing (CPT) at accessible locations (see Figure 2A) to provide additional information on soil contrasts to detail stratigraphy. The CPT measurements will be advanced using direct-push methods in accordance with testing procedures outlined in the American Society of Testing and Materials (ASTM) method D-5778.

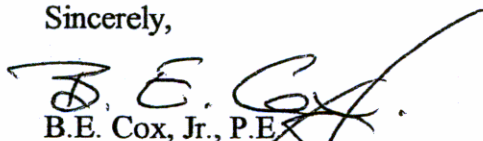
Following the screening using the conductivity probe/MIP and the CPT work, we will select locations to collect soil and ground water samples. Consistent with the Addendum 14 Scope of Work, MIP results indicating low, moderate and high TCE concentrations will be correlated to laboratory analytical results from samples collected in the same locations. After the data is compiled, we will be able to decide whether a PITT is needed in this area and be better prepared to select the location for the PITT.

We are currently coordinating with the City of Montgomery for permission to perform work within the City streets (Broadway Street and Fairgrounds Road) and approval of traffic control plans. We anticipate beginning the field work on September 21, 2004, but will notify you after the schedule is finalized.

The remaining Addendum 14 Scope of Work will be performed as approved by ADEM, including aquifer testing, monitoring well and pumping well installation, and installation of boreholes outside the Probehole 12 area.

If you have any questions, or require additional information, please do not hesitate to contact me at your earliest convenience.

Sincerely,

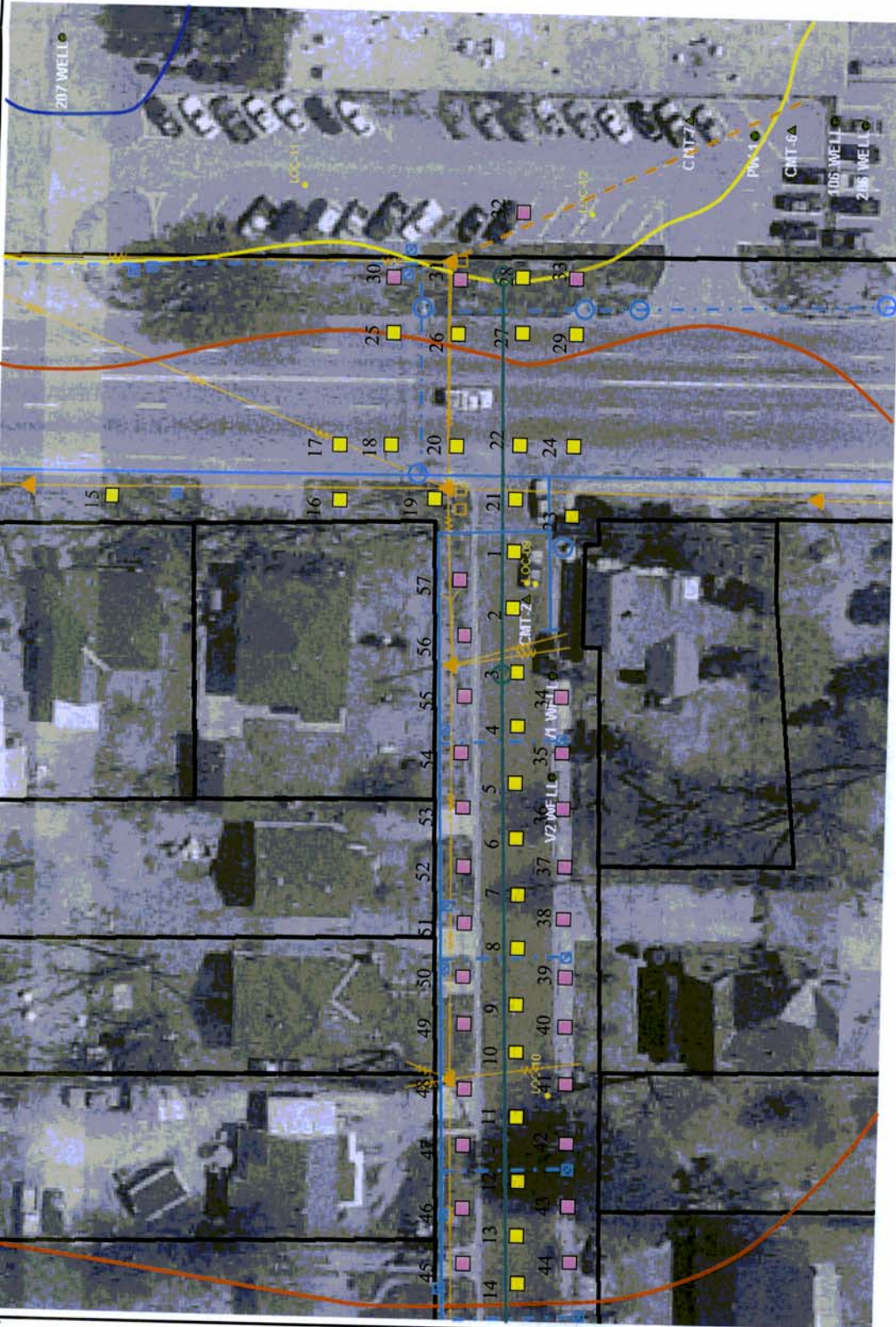

B.E. Cox, Jr., P.E.
Geotechnical Engineer

BEC:ACC:bec

cc. Mr. Jim Ippolito
Mr. Floyd Gililand
~~Mr. Andy Cousins~~
Mr. Andy Eversull

LEGEND

- 1 INITIAL PHASE GEOPROBE SC/MIP SAMPLING LOCATION AND CPT SAMPLING LOCATION, AND TEMPORARY IDENTIFIER
- POTENTIAL GEOPROBE SC/MIP AND CPT SAMPLING LOCATION BASED ON INITIAL PHASE ANALYTICAL RESULTS
- EXISTING CMT WELL
- EXISTING MONITORING WELL
- EXISTING PROBEHOLE
- 1,000 ug/l TCE Contour
- 5,000 ug/l TCE Contour
- 10,000 ug/l TCE Contour
- SEWER LINE/ MANHOLE
- WATER LINE/ MANHOLE (DASHED WHERE INFERRED)
- WATER VALVE
- OVERHEAD POWER UTILITIES
- ELECTRICAL BOX
- BURIED POWER CABLE



ALABAMA DEPARTMENT OF TRANSPORTATION
COLISEUM BOULEVARD PROJECT

GRID SPACING IN PROBEHOLE 12 AREA

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FIGURE 2A

