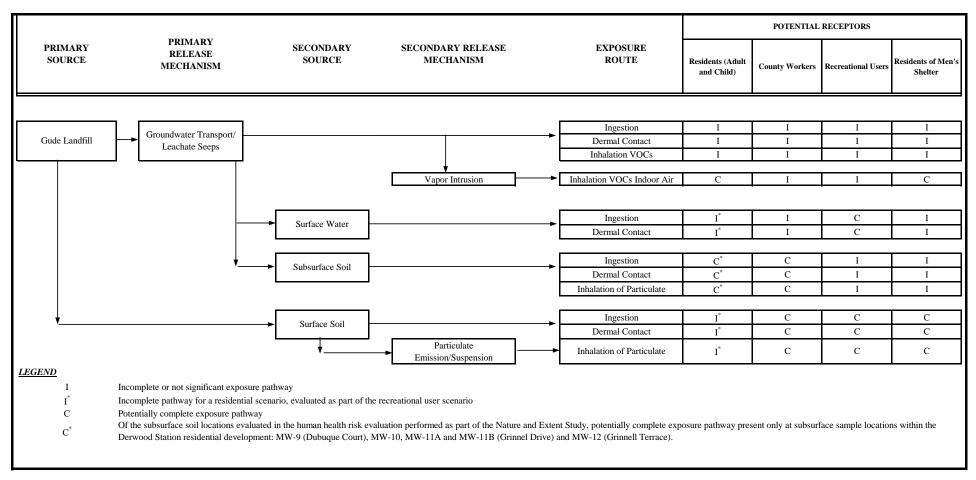


## FIGURE 2-1 HUMAN HEALTH CONCEPTUAL SITE MODEL GUDE LANDFILL

Summary: The risk evaluation determined no potential concerns for human contact with complete exposure pathways. Only complete exposure pathways are evaluated in the risk evaluation. A complete exposure pathway requires the following four components: a source of chemicals, a transport/release mechanism for chemicals, a point for potential human contact, and a route of human exposure. Potential risk to humans from chemicals requires a complete exposure pathway. Incomplete exposure pathways do result in a risk to human receptors.

References: EPA. 1989. Risk Assessment Guidance for Superfund, Volume 1 Human Health Evaluation Manual (Part A). EPA/540/1-89/002, December. EPA. 2010. Regional Screening Levels, User's Guide. May. Available at http://www.epa.gov/reg3hwmd/risk/human/rb-concentration\_table/usersguide.htm. MDE. 2008. Cleanup Standards for Soil and Groundwater. Interim Final Guidance (Update 2.1). June.

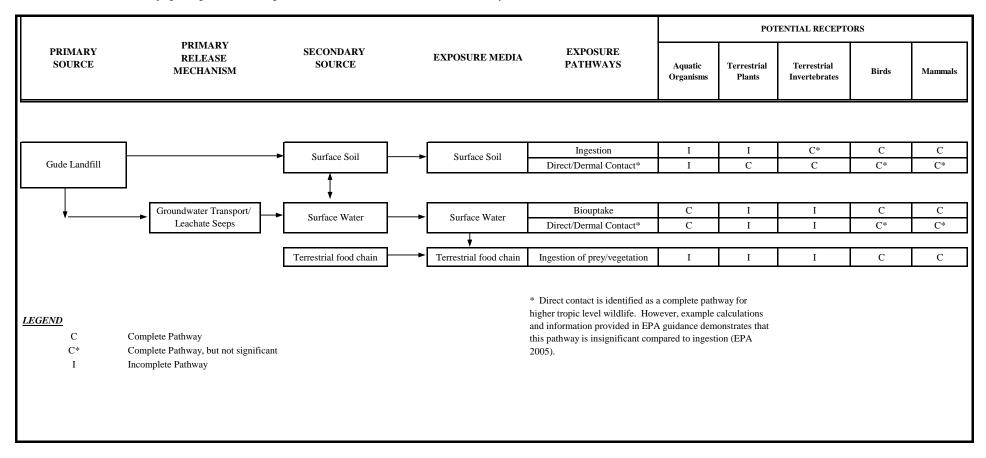


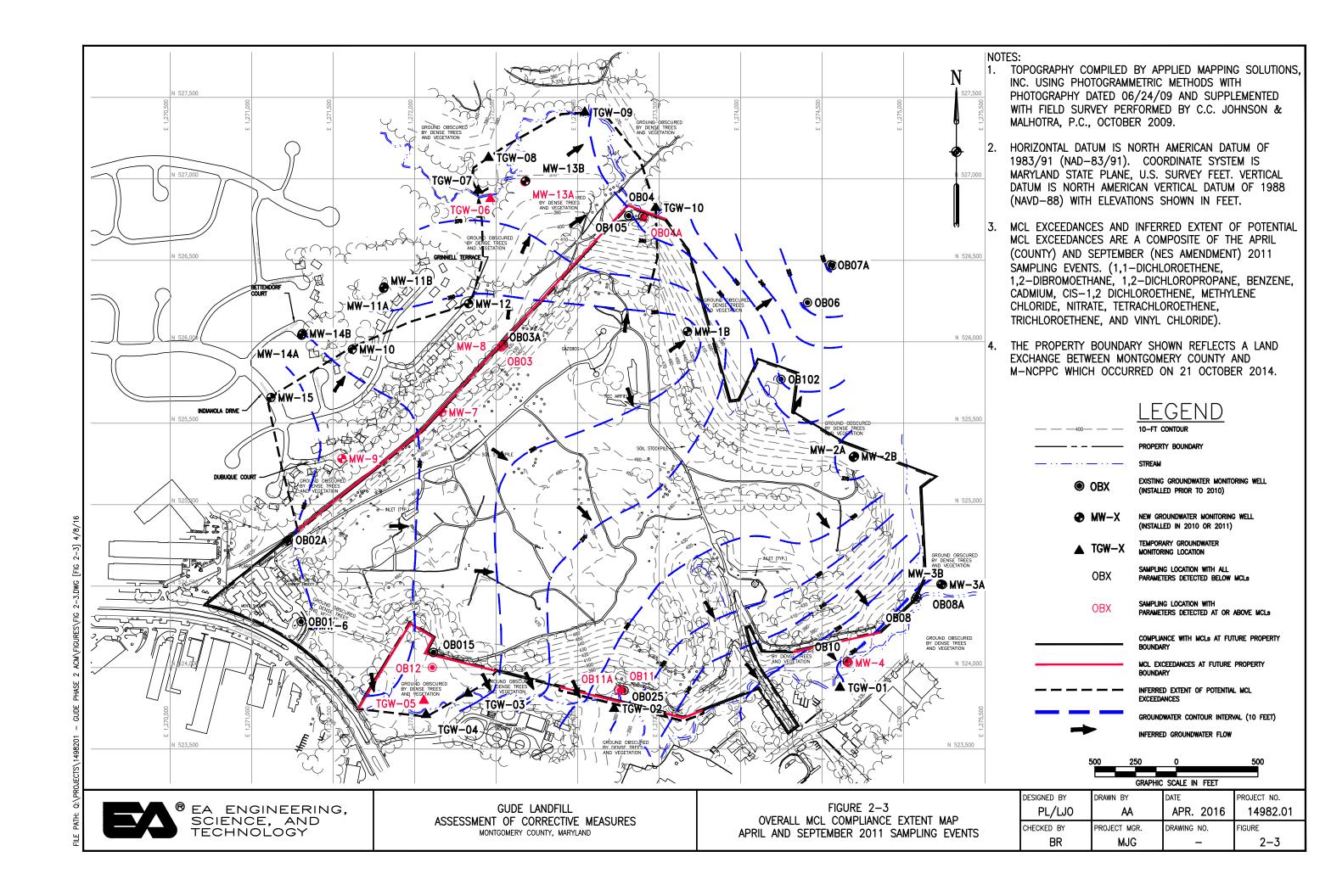
## FIGURE 2-2 ECOLOGICAL CONCEPTUAL SITE MODEL GUDE LANDFILL

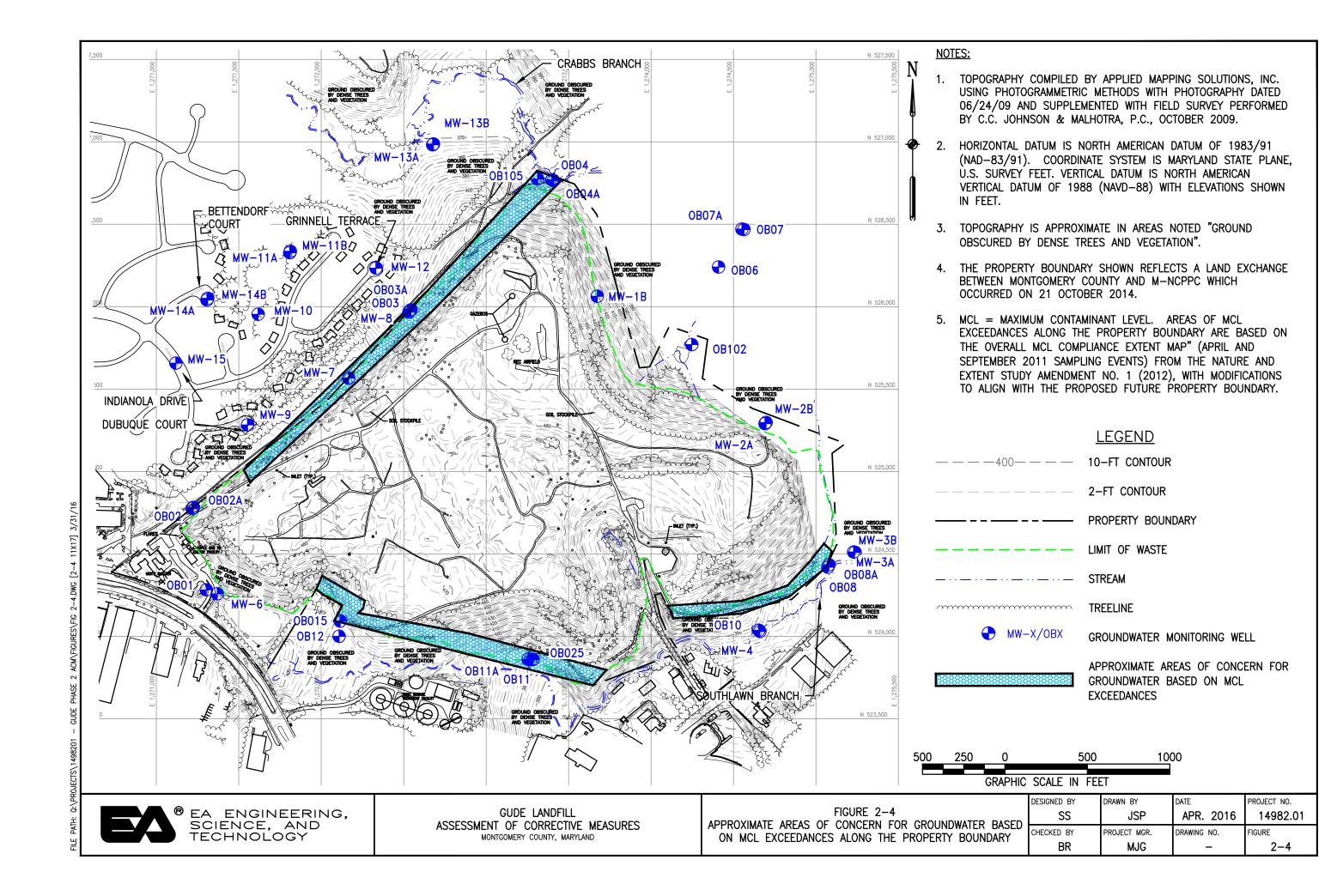
Summary: The risk evaluation determined no potential concerns for ecological receptors contact with complete exposure pathways. Only complete exposure pathways are evaluated in the risk evaluation. A complete exposure pathway requires the following four components: a source of chemicals, a transport/release mechanism for chemicals, a point for potential ecological contact, and a route of ecological exposure. Potential risk to ecological receptors from chemicals requires a complete exposure pathway. Incomplete exposure pathways do result in a risk to ecological receptors.

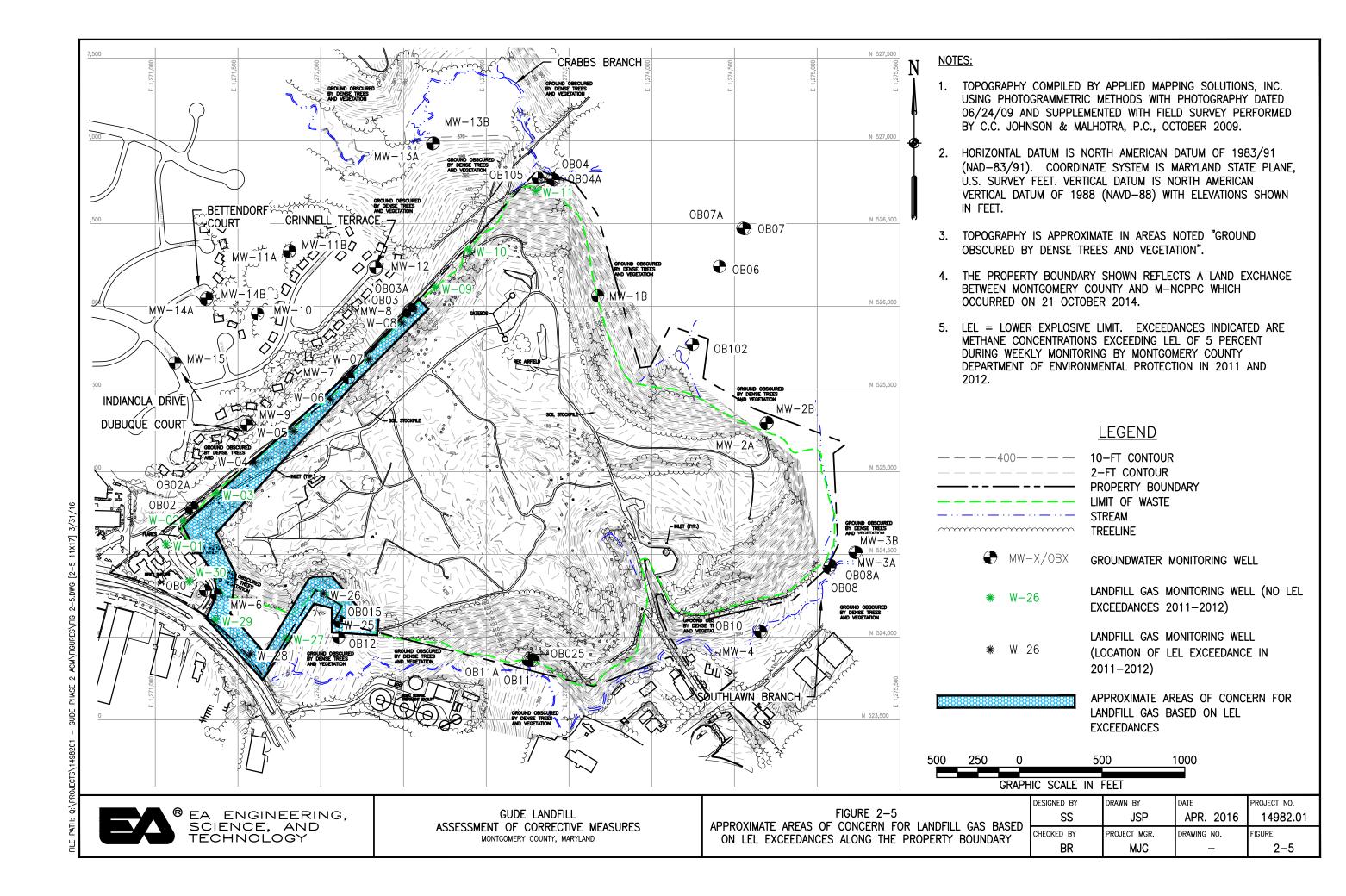
References: EPA. 1998. Guidelines for Ecological Risk Assessment. EPA/630/R-95/002F. April.

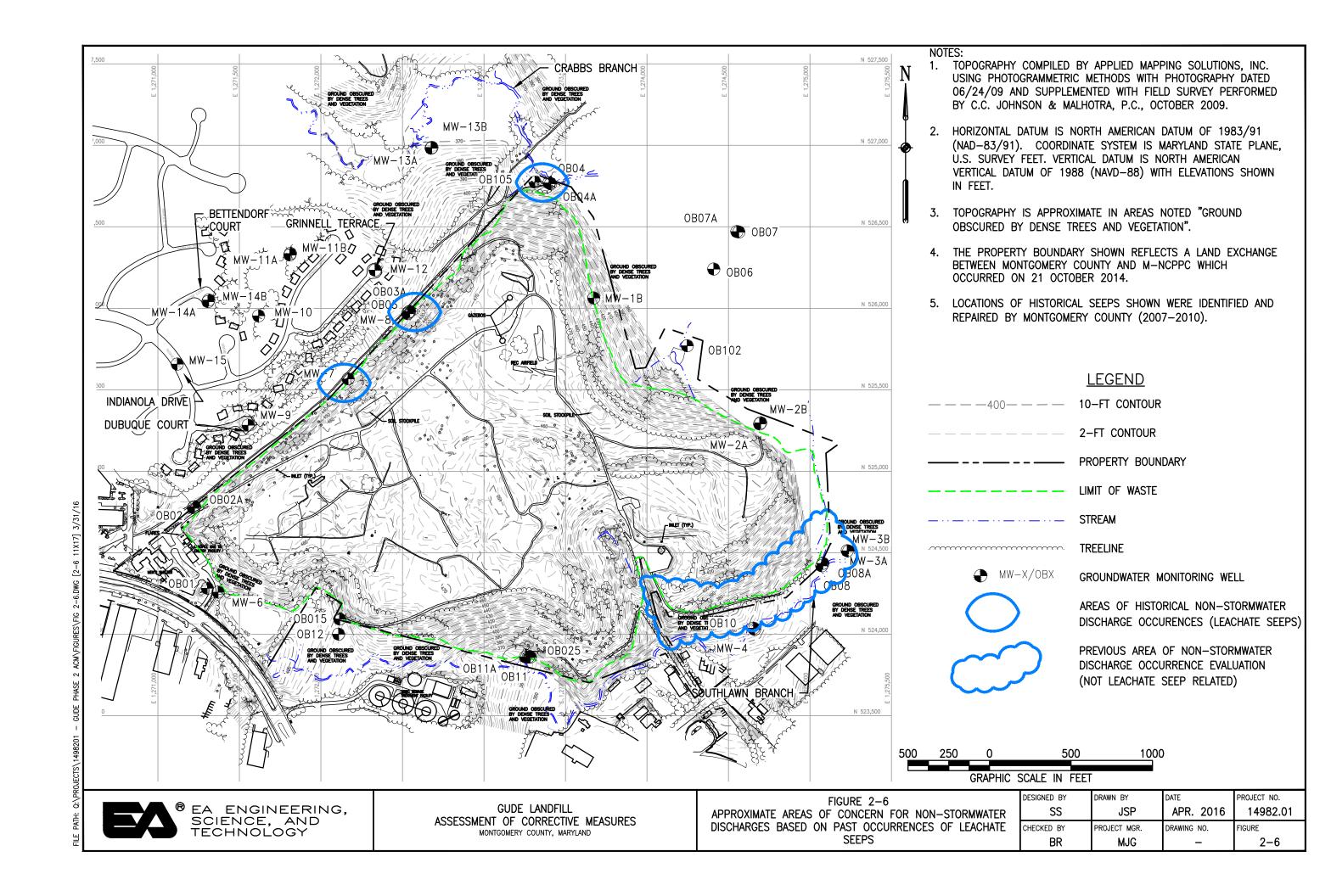
EPA. 2005. Guidance for Developing Ecological Soil Screening Levels. OSWER Directive 9285.7-55. Revised February.

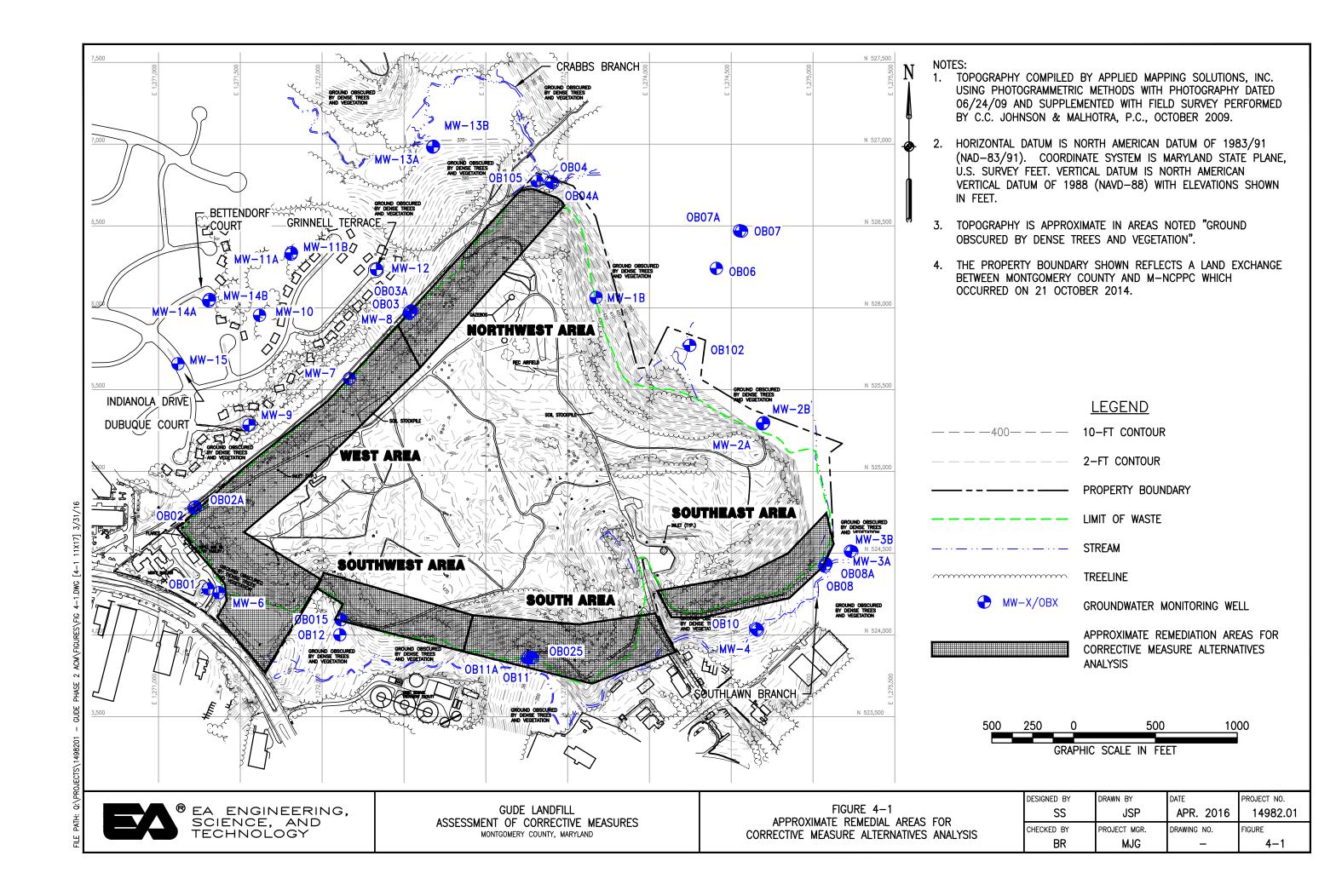


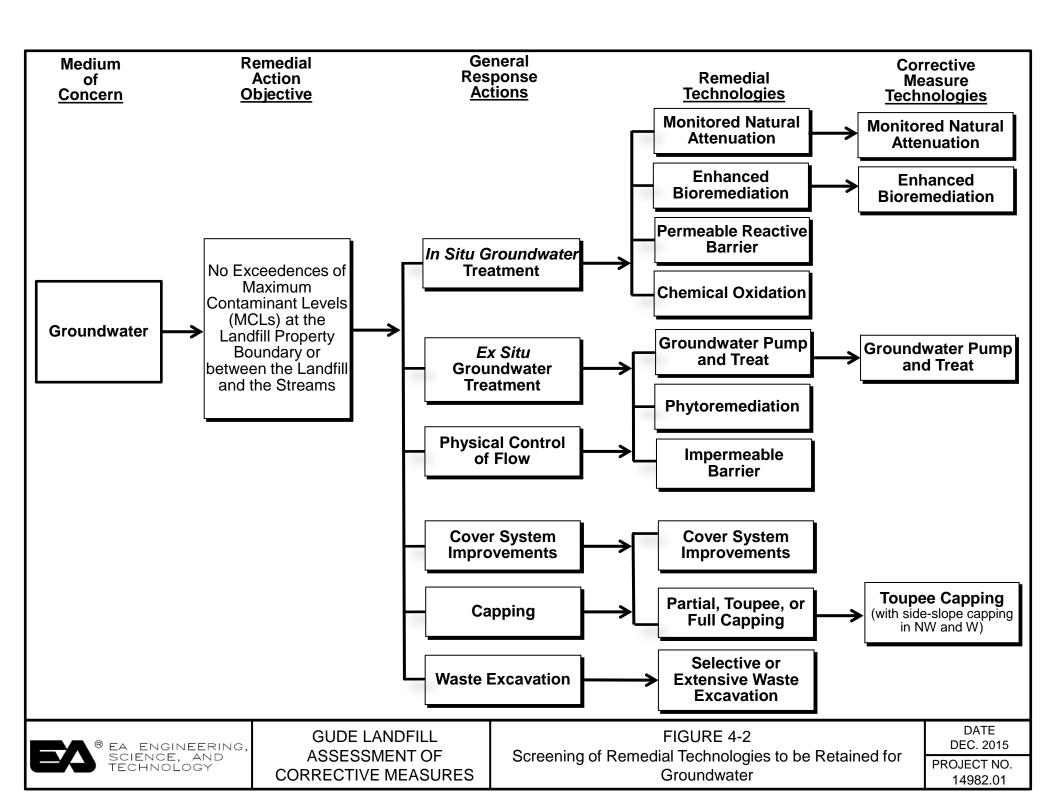


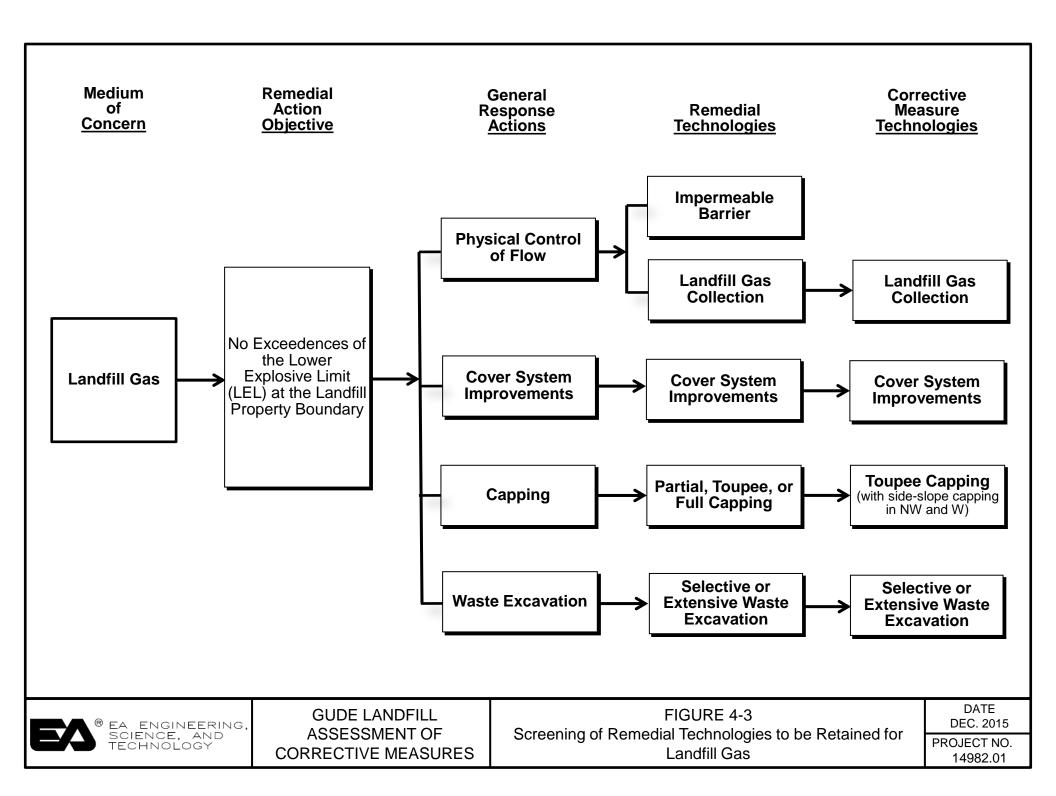


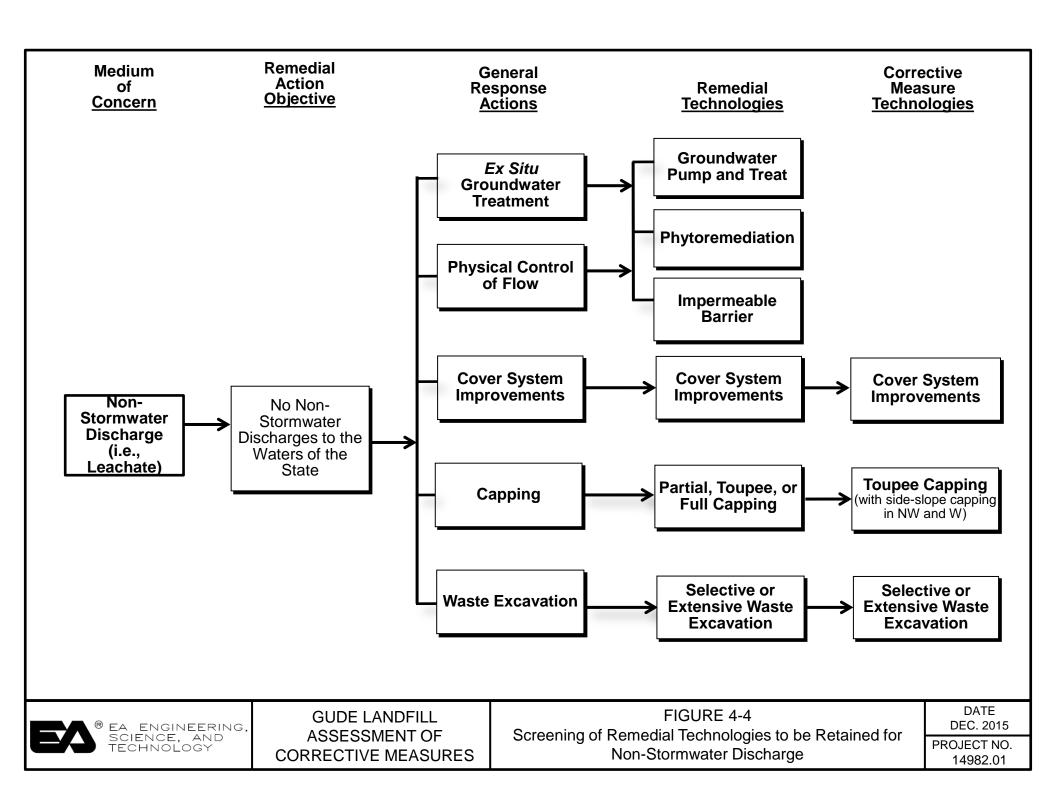


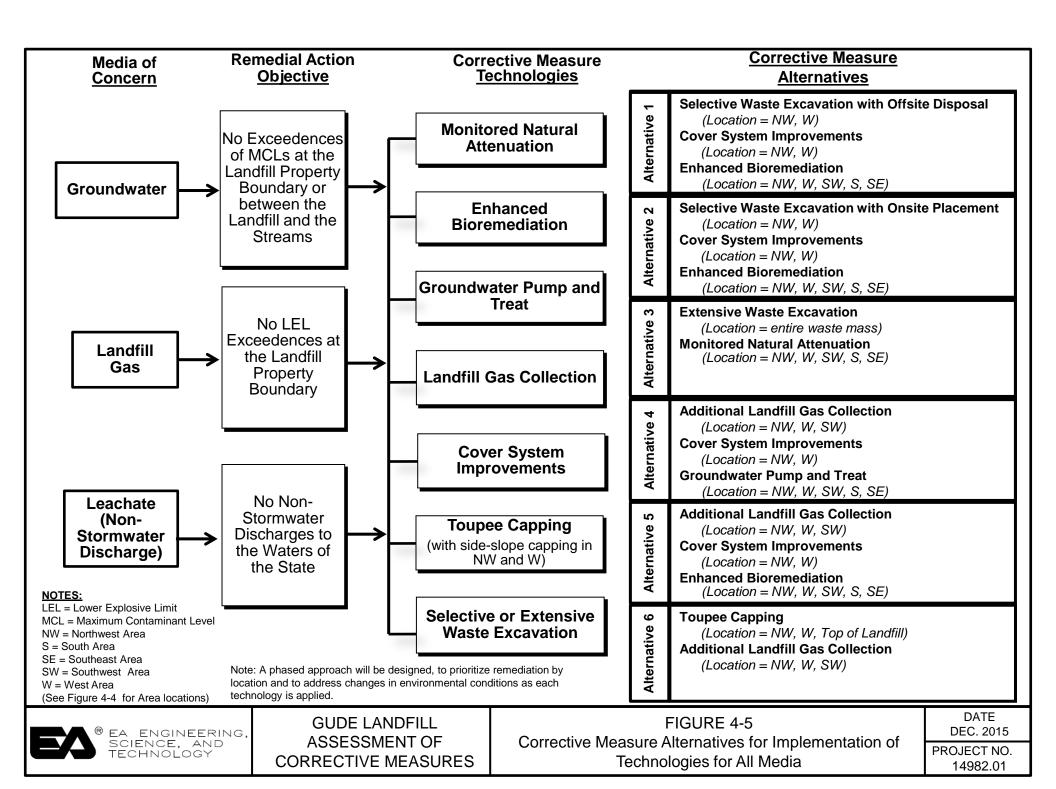


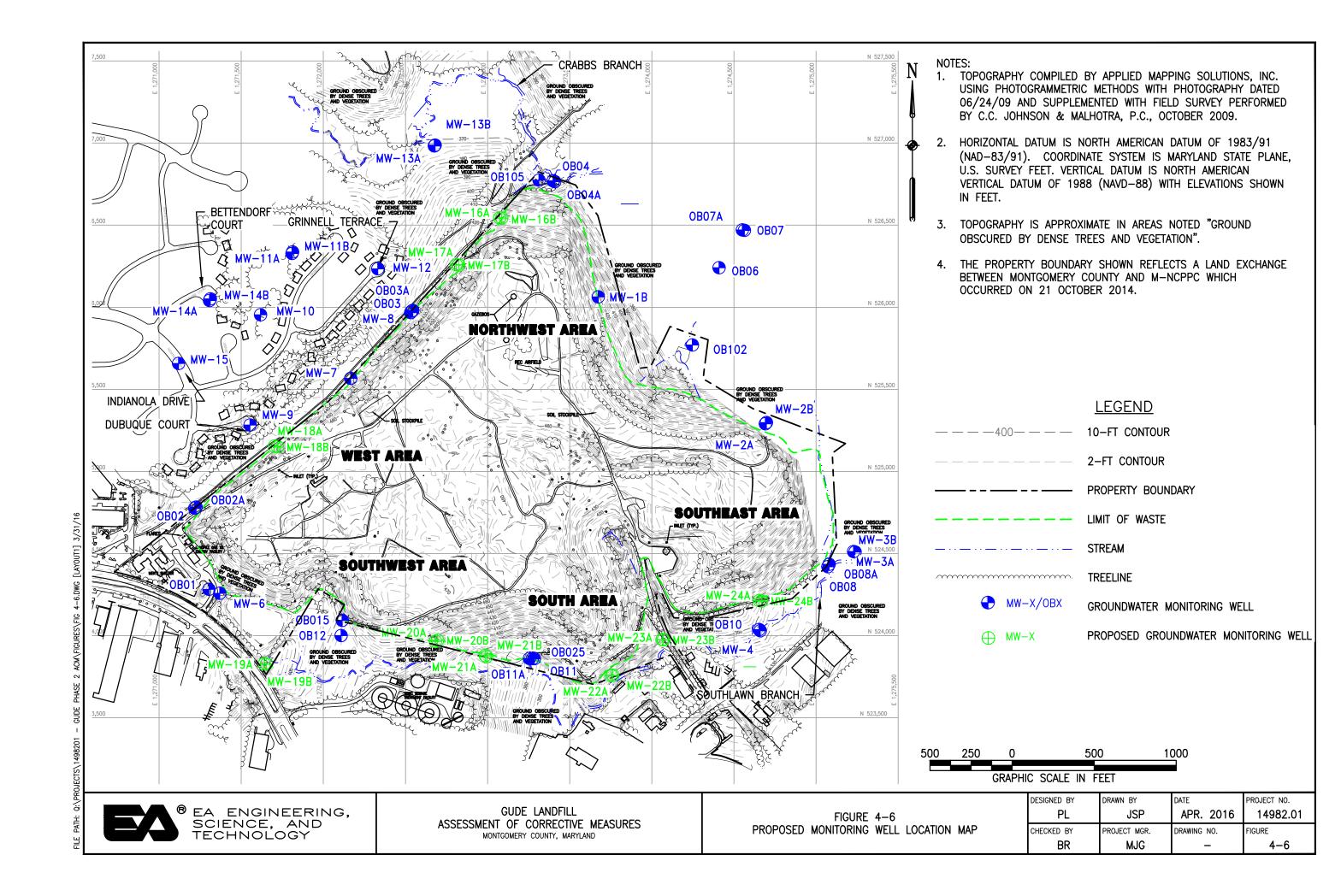












## FIGURE 5-1 GUDE LANDFILL REMEDIATION PRELIMINARY PROJECT SCHEDULE

