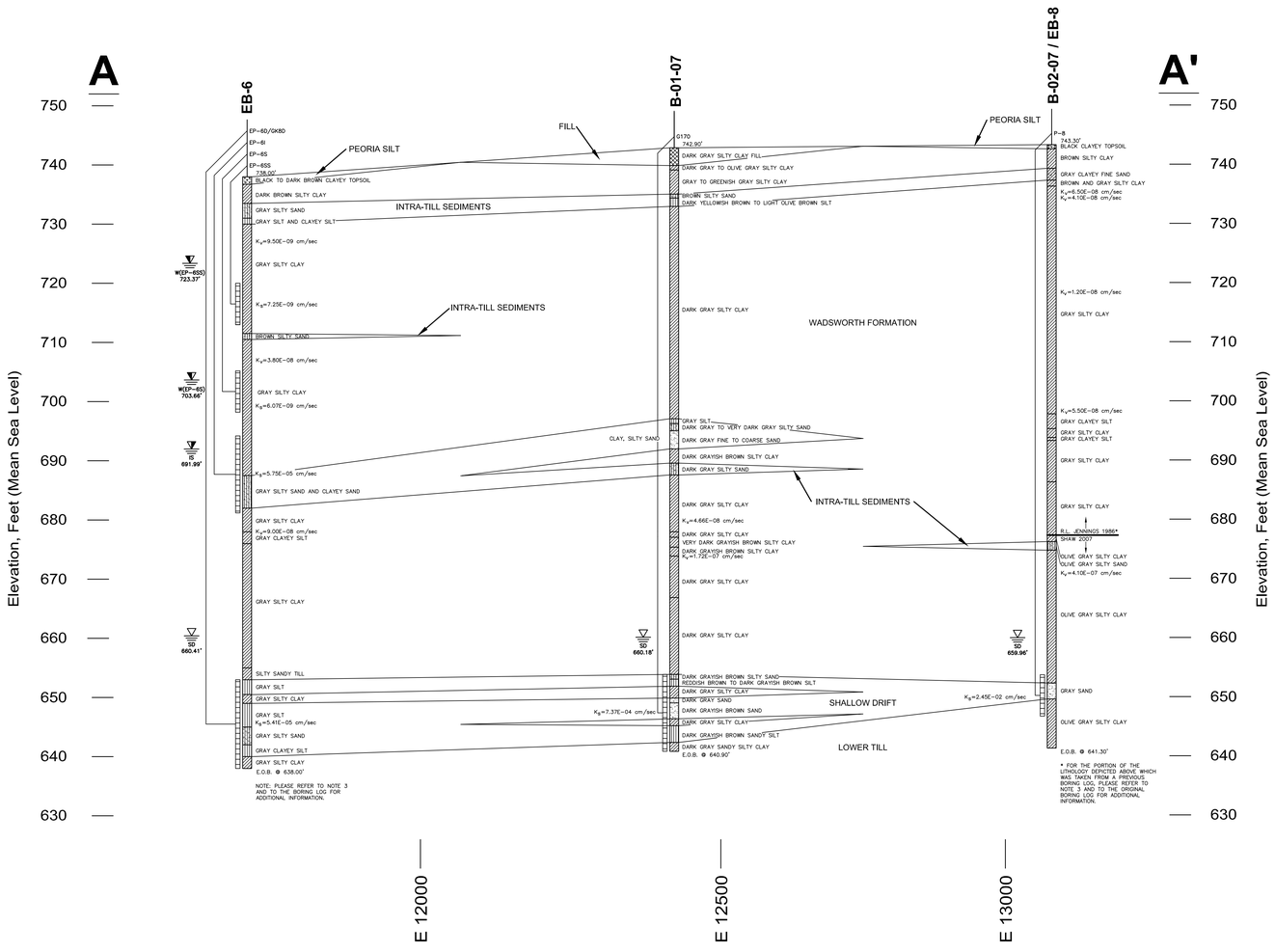
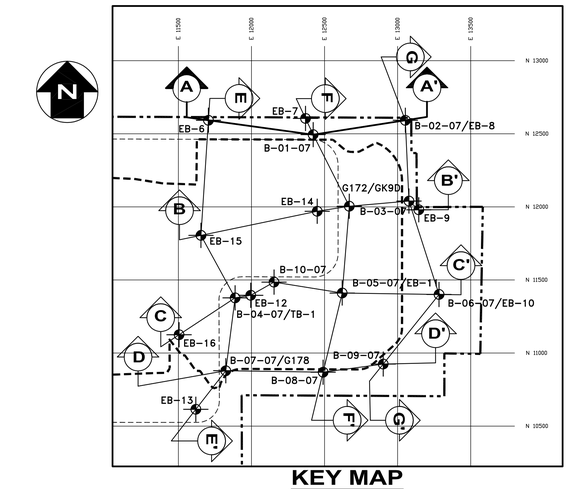
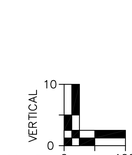
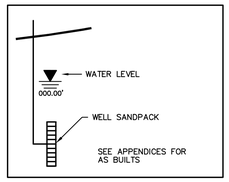




KEY MAP
NOT TO SCALE





MONITORING WELL/PIEZOMETER SCHEMATIC

NOTES

1. SOIL INFORMATION CONTAINED ON THIS DRAWING IS INTERPOLATED BETWEEN BORING LOCATIONS.
2. SOIL DESCRIPTIONS DEPICTED ON THIS DRAWING ARE GENERALIZED. THE COMPLETE SOIL DESCRIPTIONS ARE CONTAINED ON THE BORING LOGS.
3. LITHOLOGICAL INFORMATION FROM BORING LOGS CREATED DURING PREVIOUS INVESTIGATIONS, WHICH IS DEPICTED ON THIS CROSS SECTION, HAS BEEN INTERPRETED ON THE BASIS OF THE DESCRIPTION AND/OR THE INDICATED USCS SYMBOL ON THE ORIGINAL LOG. IN THOSE AREAS WHERE MORE THAN ONE DESCRIPTION OR USCS SYMBOL DESIGNATION WAS PROVIDED FOR A LOGGED INTERVAL, THE ZONE WAS CONSERVATIVELY INTERPRETED TO BE THE MOST PERMEABLE OF THE DESIGNATIONS PROVIDED ON THE BORING LOG FOR PURPOSES OF ASSIGNING A GRAPHIC SYMBOL TO CORRELATE WITH THE LEGEND AND DELINEATING UNITS OR SEAMS. ADDITIONALLY, THOSE AREAS FROM PREVIOUS LOGS USED ON THIS CROSS SECTION WHICH WERE DESCRIBED AS A CLAYEY SILT HAD A CL–ML DESIGNATION IN ALMOST EVERY INSTANCE WITH THE EXCEPTION OF TB–1 WHERE NO SYMBOL WAS GIVEN. UNDER THE USCS SYSTEM, A CL–ML IS TECHNICALLY A SILTY CLAY WHICH IS HOW THESE INTERVALS ARE DEPICTED ON THIS CROSS SECTION.
4. THIS CROSS SECTION CONTAINS HORIZONTAL AND VERTICAL HYDRAULIC CONDUCTIVITY DATA WHICH WAS DETERMINED FROM SLUG TESTING AND LABORATORY ANALYSIS CONDUCTED DURING BOTH THE MOST RECENT HYDROGEOLOGIC INVESTIGATION AND FROM PREVIOUS HYDROGEOLOGIC INVESTIGATION ACTIVITIES. FOR FURTHER CLARIFICATION REGARDING THE SOURCE OF THE DATA, REFER TO APPENDICES H AND I OF THE APPLICATION.
5. SURFACE ELEVATIONS ARE BASED ON BORING LOGS, NOT BASED ON TOPOGRAPHIC MAP.
6. WATER LEVELS OBTAINED ON JUNE 15, 2007.

LEGEND

- FILL
- TOPSOIL, USCS ORGANIC SILTY CLAY (OL) OR ORGANIC SILTY CLAY (OH)
- USCS SILTY CLAY (CL), SILTY CLAY (CL–ML), OR SANDY SILTY CLAY (CL)
- USCS SILT (ML) OR SANDY SILT (ML)
- USCS POORLY GRADED SAND (SP), OR WELL GRADED SAND (SW)
- USCS CLAYEY SAND (SC)
- USCS SILTY SAND (SM)
- USCS POORLY GRADED GRAVEL (GP), OR WELL GRADED GRAVEL (GW)

- W(EP-6D) 000.00' — POTENTIOMETRIC SURFACE OF THE WADSWORTH FORMATION (6/15/07)
- W(EP-6I) 000.00' — POTENTIOMETRIC SURFACE OF THE DISCONTINUOUS INTRA–TILL SEDIMENT DEPOSITS WITHIN THE WADSWORTH FORMATION (6/15/07)
- SD 000.00' — POTENTIOMETRIC SURFACE OF THE SHALLOW DRIFT AQUIFER (6/15/07)
- K_h — HORIZONTAL HYDRAULIC CONDUCTIVITY OBTAINED FROM SLUG TEST
- K_v — VERTICAL HYDRAULIC CONDUCTIVITY OBTAINED FROM LABORATORY TEST
- E.O.B. — END OF BORING
- EB-7 — CONTINUOUSLY SAMPLED BORING LOCATION
- APPROXIMATE PROPOSED FACILITY BOUNDARY
- PROPOSED EXPANSION WASTE AREA
- EXISTING PERMITTED LIMIT OF WASTE AREA

REV. NO.	DATE	DESCRIPTION

VEOLIA ENVIRONMENTAL SERVICES

Shaw® Shaw Environmental, Inc.

VEOLIA E.S. ZION LANDFILL-SITE 2 EAST EXPANSION
CITY OF ZION, ILLINOIS

GEOLOGICAL CROSS SECTION A - A'

PROJ. NO.:	122150	DATE:	FEBRUARY 2010
DESIGNED BY:	MNF	DRAWING NO.	G6
DRAWN BY:	PEL		
CHECKED BY:	DJD		
APPROVED BY:	DAM		6 OF 28 SHEETS

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