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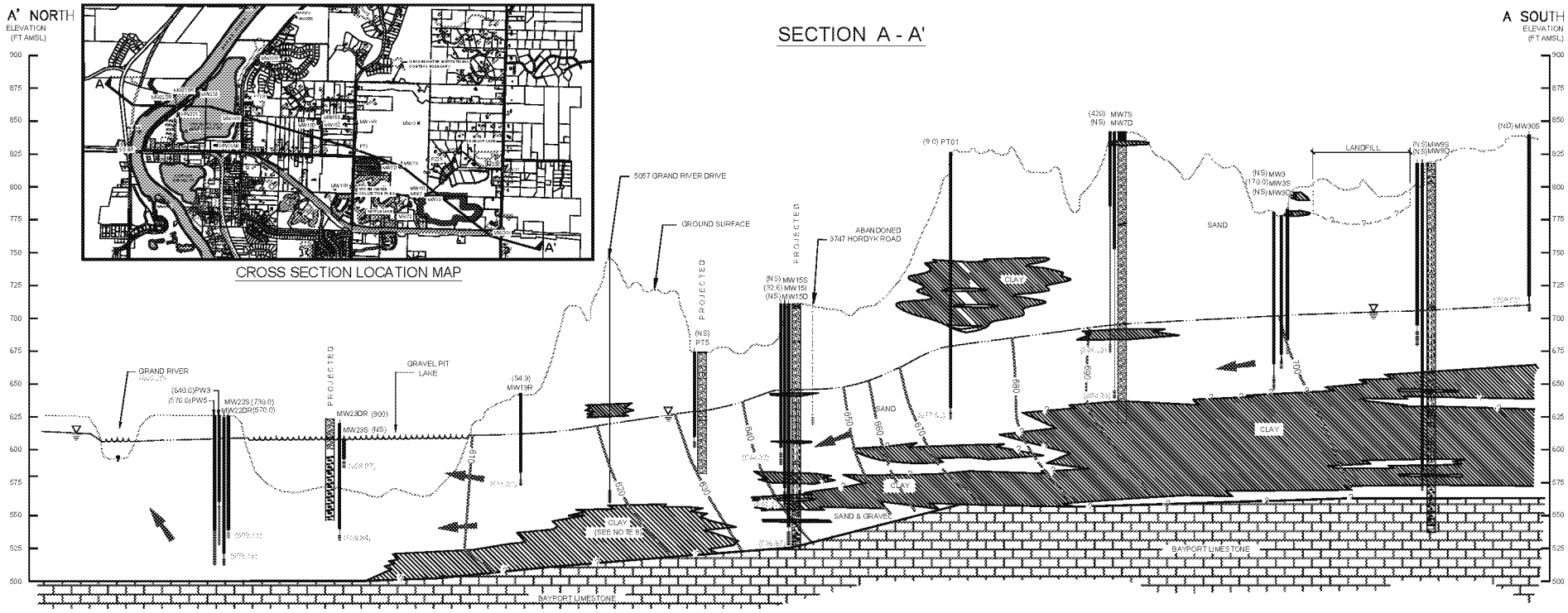


APPROXIMATE VERTICAL SCALE

0 80 160

0 1000' 2000'

APPROXIMATE SCALE IN FEET

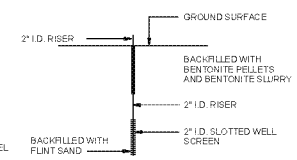
VERTICAL EXAGGERATION: 12.5X

NOTES

1. FIGURE ADAPTED FROM ORIGINAL CROSS SECTION FROM MONTGOMERY WATSON (1996).
2. THE STRATUM LINES ARE BASED ON INTERPOLATION BETWEEN BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS. QUESTION MARKS AT THE CONTACTS BETWEEN SUBSOIL TYPES INDICATE THE CONTACTS ARE INFERRED.
3. AMSL INDICATES ABOVE MEAN SEA LEVEL.
4. HORIZONTAL DISTANCES ARE MEASURED WITH RESPECT TO THE CENTER OF EACH SOIL BORING LOCATION.
5. ELEVATIONS OF LAND SURFACES ARE APPROXIMATE AND ARE BASED ON TOPOGRAPHIC MAP PROVIDED BY WASTE MANAGEMENT OF NORTH AMERICA, DATED APRIL 27, 1990.
6. GROUNDWATER ELEVATIONS ARE BASED ON MEASUREMENTS OBTAINED BY BROWN AND CALDWELL FROM OCTOBER 2, 2016.
7. POTENTIOMETRIC CONTOUR INTERVAL IS 10 FEET. THE POTENTIOMETRIC LINE IS DASHED WHERE INFERRED.
8. THE BORINGS AND MONITORING WELLS AT MW15(S/I/D), PT5 AND MW23 (S/DR) ARE PROJECTED FROM ANOTHER LOCATION ALONG THE GRAVEL PIT LAKE SHORELINE.
9. CONCENTRATIONS SHOWN ARE THE SUM OF DETECTABLE PERFLUOROOCTANIC ACID(PFOA) AND PERFLUOROOCTANE SULFONIC ACID(PFOS) IN GROUNDWATER SAMPLES ANALYZED USING EPA METHOD 537.
10. ND = NOT DETECTED.
11. NS = NOT SAMPLED.

LEGEND

- WATER TABLE
- WATER LEVEL ELEVATIONS (FT AMSL)
- (0.7) TOTAL PFOA & PFOS CONCENTRATION (mg/L)
- 690 POTENTIOMETRIC CONTOUR (FT AMSL)
- GROUNDWATER FLOW DIRECTION
- LEAN CLAY
- SANDY LEAN CLAY
- SILTY CLAY
- WELL-GRADED / POORLY-GRADED SAND
- WELL-GRADED / POORLY-GRADED SAND, WITH GRAVEL
- SILTY SAND
- LIMESTONE
- CLAYEY SAND
- SILT
- SANDY SILT
- GRAVELLY SILT
- WELL-GRADED / POORLY-GRADED GRAVEL
- WELL-GRADED / POORLY-GRADED GRAVEL WITH SAND
- SILTY GRAVEL



TYPICAL WELL INSTALLATION DETAIL

Brown AND Caldwell

SCALE: AS NOTED

148916.006

DATE: NOVEMBER 2016

STATE DISPOSAL LANDFILL
GROUNDWATER EQUIPOTENTIAL AND TOTAL PFOA & PFOS CONCENTRATIONS IN CROSS SECTION
FALL 2016

FIGURE 1