

**AVERAGE GROUNDWATER VELOCITY
BETWEEN MW-208, 205, AND 204**

$V_{gw} = K(i)/n$
 $K = \text{AVE. HYDRAULIC CONDUCTIVITY (cm/sec)}$
 $= 4.0 \times 10^{-4} \text{ cm/sec}$
 $i = \text{HYDRAULIC GRADIENT (DIMENSIONLESS)}$
 $= 0.006$
 $n = \text{ESTIMATED POROSITY (DIMENSIONLESS)}$
 $= 0.35$
 $V_{gw} = 6.9 \times 10^{-6} \text{ cm/sec}$

**MW-212
PFAS
non-detect**

**MW-201
PFAS
non-detect**

**MW-204
PFOA 1200 ppt
PFOS non-detect**

**MW-202
PFOA 230 ppt
PFOS non-detect**

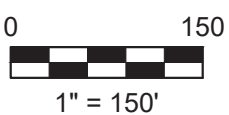
**Direction of
groundwater
flow**

NOTES:

- 1) LANDFILL CONTOURS REPRESENT THE CURRENT (CLOSED) CONDITIONS.
- 2) GROUNDWATER DEPICTED REFLECTS THE INFLUENCE OF THE GRADIENT CONTROL SYSTEM.
- 3) VERTICAL DATUM IS BASED ON MEAN SEA LEVEL.
- 4) HORIZONTAL GRID SYSTEM ESTABLISHED ON LOCAL BASIS.

LEGEND

- 700 — LANDFILL CONTOUR
- 640 — EXISTING CONTOUR
- MW-207 — EXISTING MONITORING WELL
- MW-209 — ABANDONED MONITORING WELL
- 643.1 — GROUNDWATER ELEVATION (FT.) MAY 18, 2020
- 642 — GROUNDWATER CONTOUR AND FLOW DIRECTION (DASHED WHERE APPROX.)
- — GRADIENT CONTROL PIPE WITH INVERT ELEVATION
- — APPROXIMATE WETLAND BOUNDARY
- — GRAVEL HAUL ROAD
- — LIMIT OF WASTE



Great Lakes Pulp Company
Type III Landfill
Menominee Township, Michigan



WATER TABLE MAP
MAY 2020

Project 1800357

June 2020

Fig. 2