

US EPA ARCHIVE DOCUMENT

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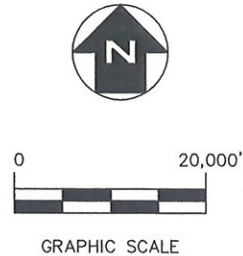
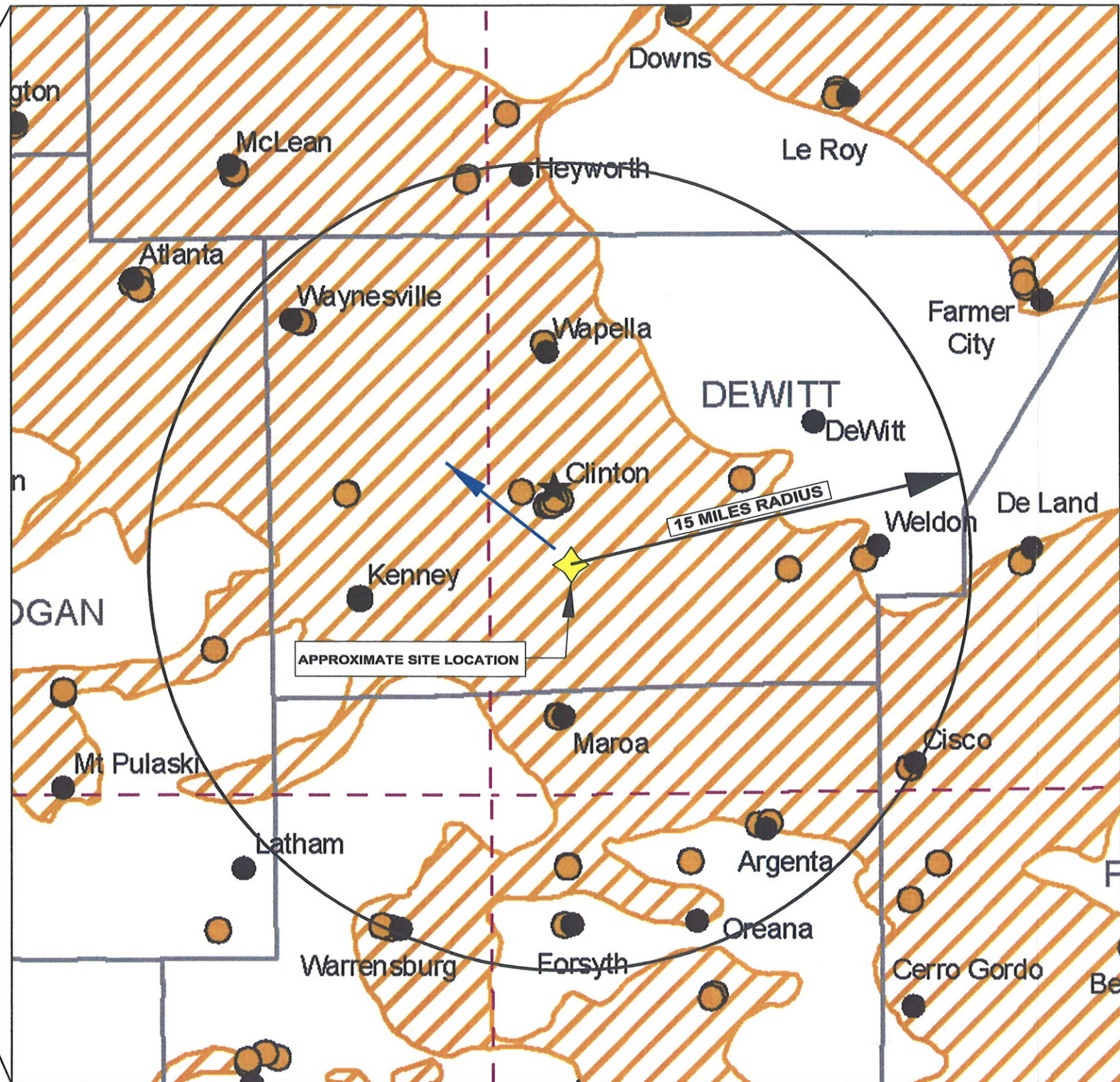
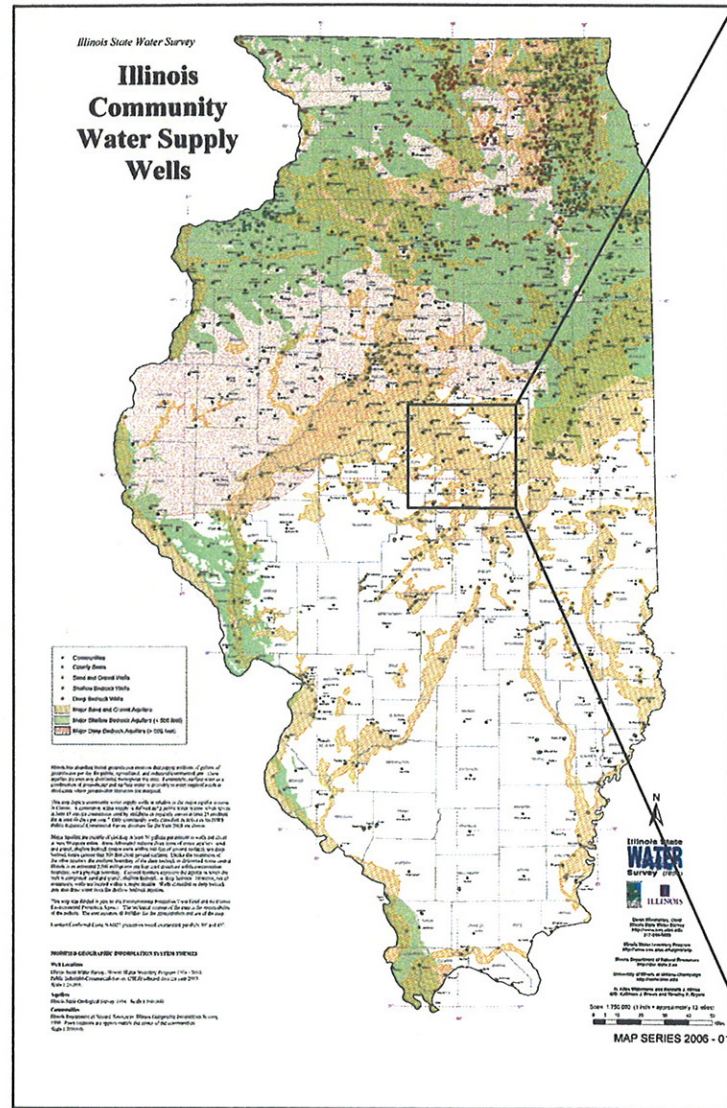
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FIGURES

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LEGEND

- COMMUNITIES
- ★ COUNTY SEATS
- SAND AND GRAVEL WELLS
- MAJOR SAND AND GRAVEL AQUIFERS (MAHOMET AQUIFER IN VICINITY OF SITE)
- GENERAL GROUNDWATER FLOW IN THE MAHOMET AQUIFER

FIGURE ADAPTED FROM ILLINOIS STATE WATER SURVEY MAP SERIES 2006-01 AND FROM WEHRMANN, JULY 27, 2007 PRESENTATION "GROUND OCCURRENCE & MOVEMENT: AN INTRODUCTORY DISCUSSION WITH APPLICATION TO EAST-CENTRAL ILLINOIS".



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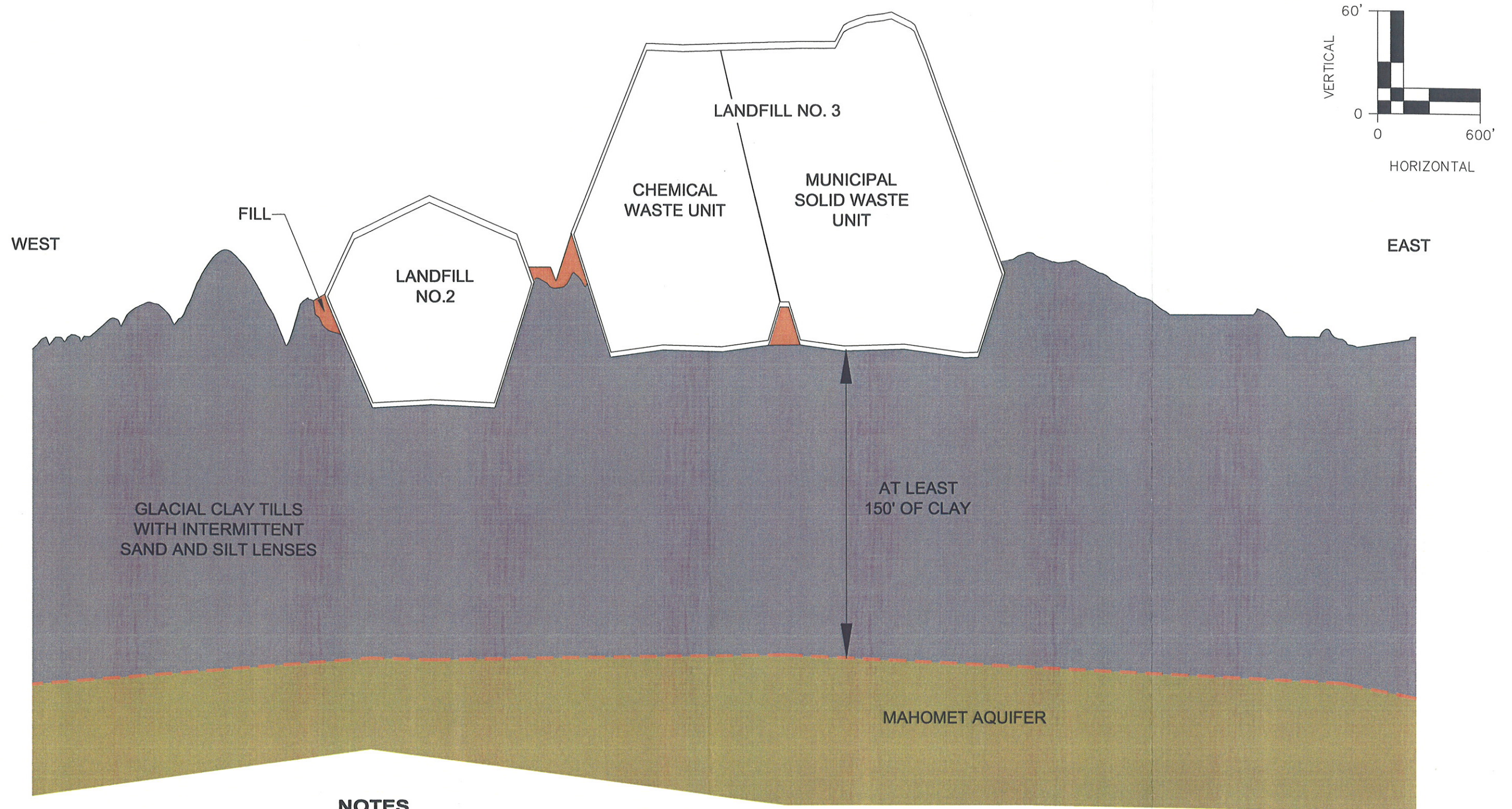
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**CLINTON LANDFILL NO. 3 CHEMICAL WASTE UNIT
DEWITT COUNTY, ILLINOIS**

**FIGURE 1
COMMUNITY WATER SUPPLY WELLS WITHIN 15 MILES**

DRAWN BY: APD APPROVED BY: DAM PROJ. NO.: 128017 DATE: FEB 2009

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NOTES

1. THIS REGIONAL GEOLOGIC CROSS SECTION IS BASED ON INFORMATION FROM ON-SITE BORING LOCATIONS AND OFF-SITE PRIVATE WATER WELL LOGS. ACTUAL CONDITIONS MAY VARY.
2. THIS GEOLOGIC CROSS SECTION WAS DEVELOPED TO SHOW THE LOCATION OF THE MAHOMET AQUIFER AND ITS POSITION RELEVANT TO THE INVERT GRADES OF THE CLINTON LANDFILL NO.2 AND NO.3.

3. THE THICKNESS OF THE GLACIAL CLAY TILLS WITH INTERMITTENT SAND AND SILT LENSES IS APPROXIMATELY 170 FEET THICK BELOW THE INVERT OF THE CLINTON LANDFILL NO.3. CLAY MAKES UP AT LEAST 150 FEET OF THE 170 FEET OF GLACIAL CLAY TILLS WITH INTERMITTENT SAND AND SILT LENSES.

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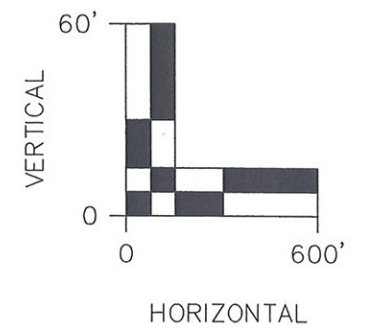
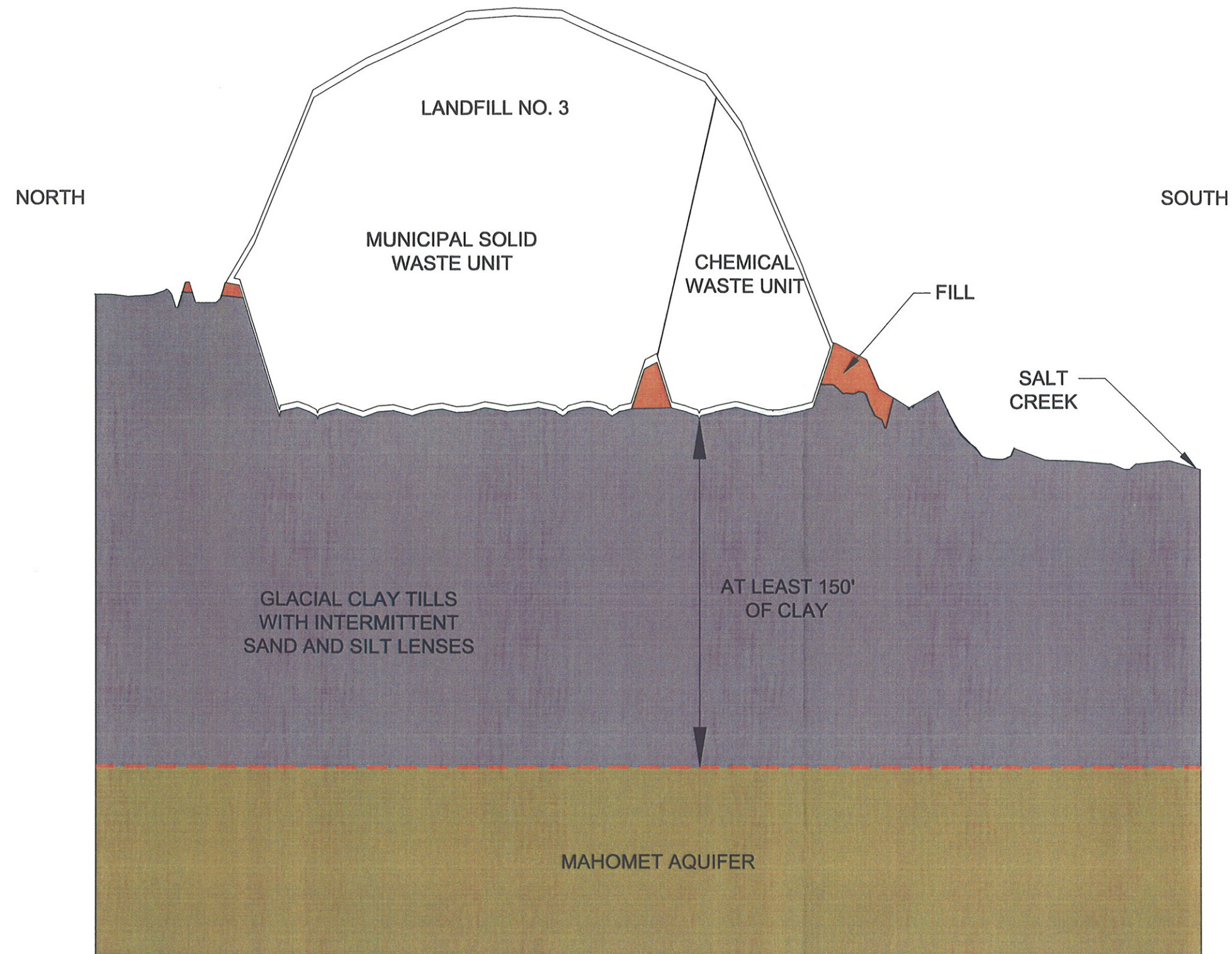
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**CLINTON LANDFILL NO.3 CHEMICAL WASTE UNIT
DEWITT COUNTY, ILLINOIS**

**FIGURE 2
REGIONAL GEOLOGIC CROSS SECTION - WEST TO EAST**

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NOTES

1. THIS REGIONAL GEOLOGIC CROSS SECTION IS BASED ON INFORMATION FROM ON-SITE BORING LOCATIONS. ACTUAL CONDITIONS MAY VARY.
2. THIS GEOLOGIC CROSS SECTION WAS DEVELOPED TO SHOW THE LOCATION OF THE MAHOMET AQUIFER AND ITS POSITION RELEVANT TO THE INVERT GRADES OF THE CLINTON LANDFILL NO.3.
3. THE THICKNESS OF THE GLACIAL CLAY TILLS WITH INTERMITTENT SAND AND SILT LENSES IS APPROXIMATELY 170 FEET THICK BELOW THE INVERT OF THE CLINTON LANDFILL NO.3. CLAY MAKES UP AT LEAST 150 FEET OF THE 170 FEET OF GLACIAL CLAY TILLS WITH INTERMITTENT SAND AND SILT LENSES.

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CLINTON LANDFILL NO.3 CHEMICAL WASTE UNIT
DEWITT COUNTY, ILLINOIS

FIGURE 3
REGIONAL GEOLOGIC CROSS SECTION - NORTH TO SOUTH

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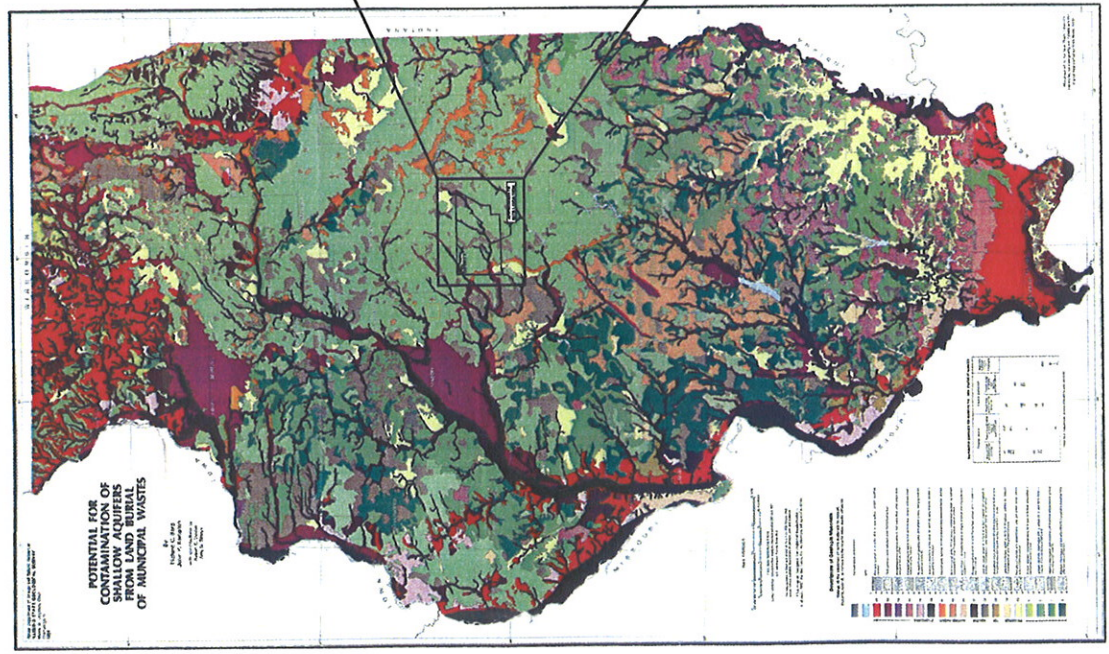
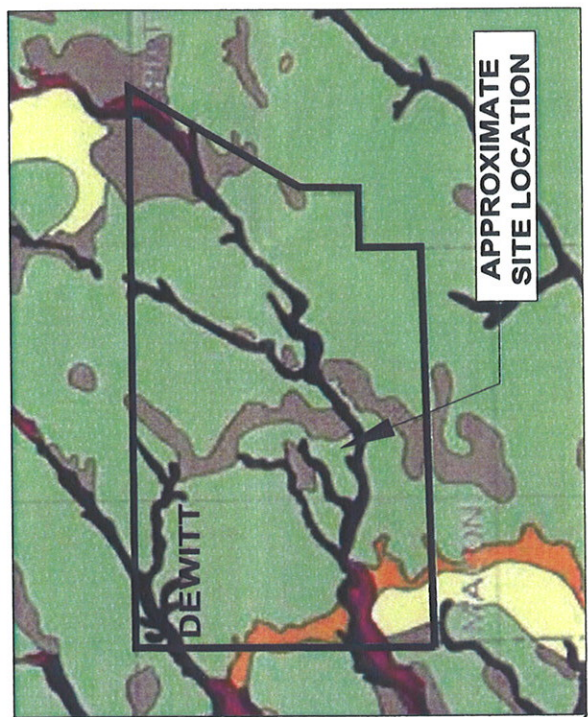
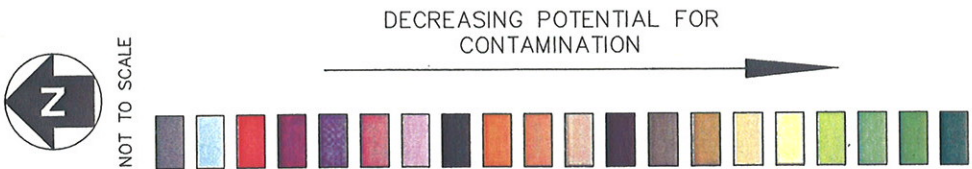


FIGURE ADAPTED FROM BERG AND KEMPTON, 1984.

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FIGURE 4 DEWITT COUNTY AQUIFER SENSITIVITY



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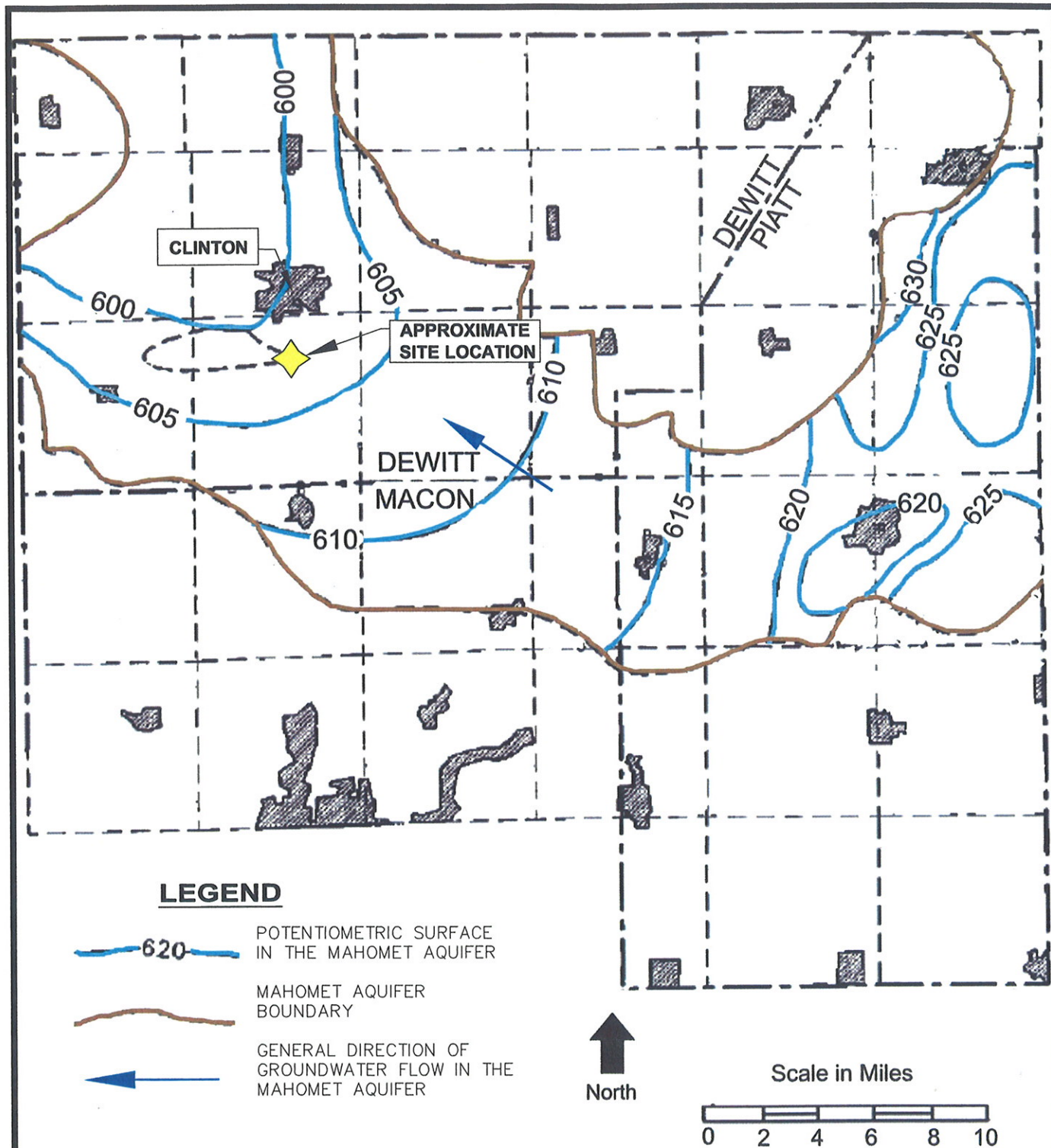


FIGURE ADAPTED FROM ANLIKER AND SANDERSON, 1995.

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**CLINTON LANDFILL NO.3 CHEMICAL WASTE UNIT
DEWITT COUNTY, ILLINOIS**

**FIGURE 5
GROUNDWATER FLOW IN THE MAHOMET AQUIFER**

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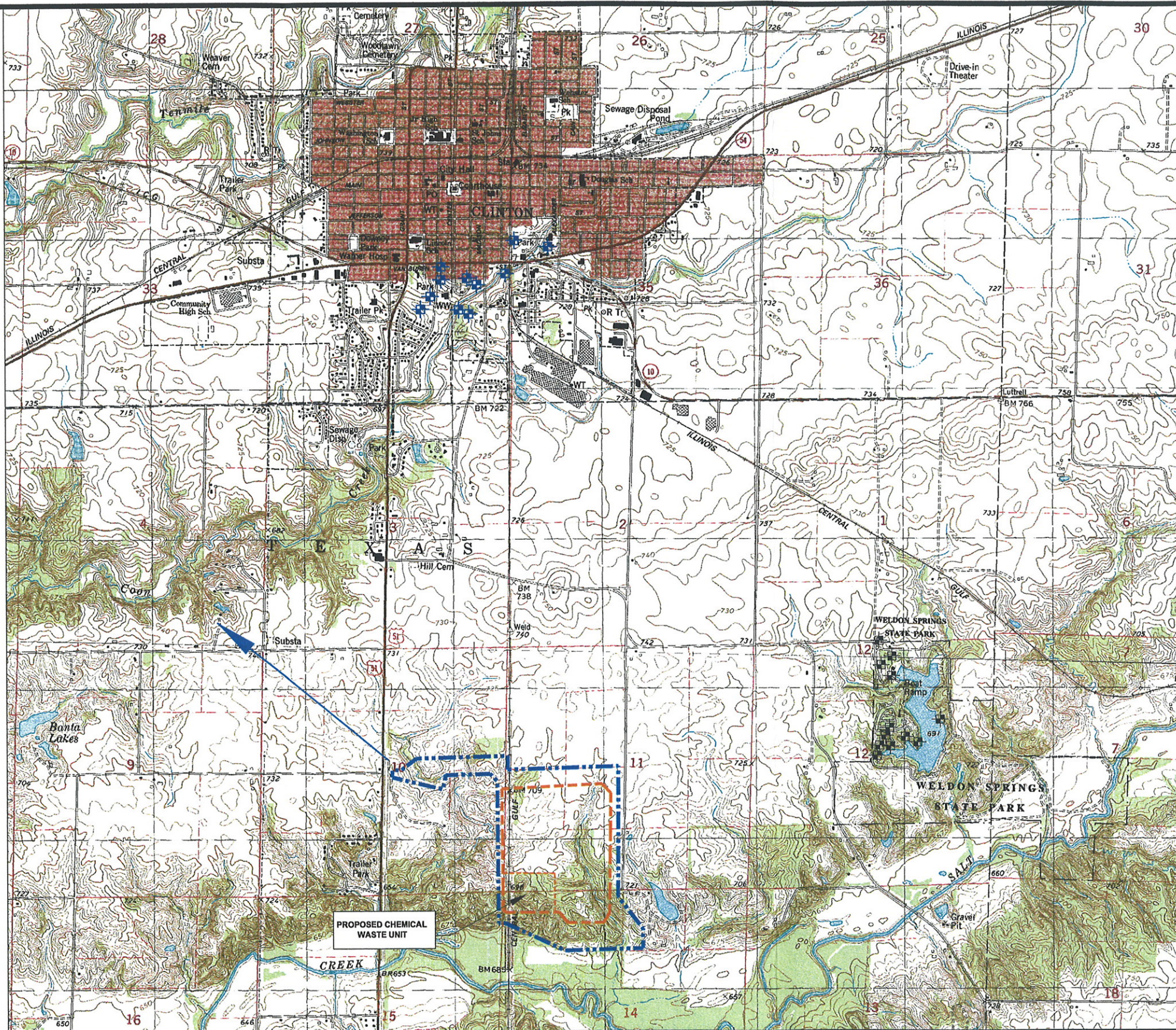
GRAPHIC SCALE

LEGEND

-  APPROXIMATE FACILITY BOUNDARY
-  APPROXIMATE EXISTING WASTE BOUNDARY
-  CITY OF CLINTON WELLS
-  WELDON SPRINGS WELLS
-  GENERAL GROUNDWATER FLOW IN THE MAHOMET AQUIFER

MAP REFERENCES:

1. U.S.G.S. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE MAPS, CLINTON - DEWITT COUNTY, ILLINOIS (1979), MAROA - DEWITT COUNTY, ILLINOIS (1979).



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CLINTON LANDFILL NO.3 CHEMICAL WASTE UNIT DEWITT COUNTY, ILLINOIS

FIGURE 6 LOCATIONS OF THE CITY OF CLINTON AND WELDON SPRINGS WELLS

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