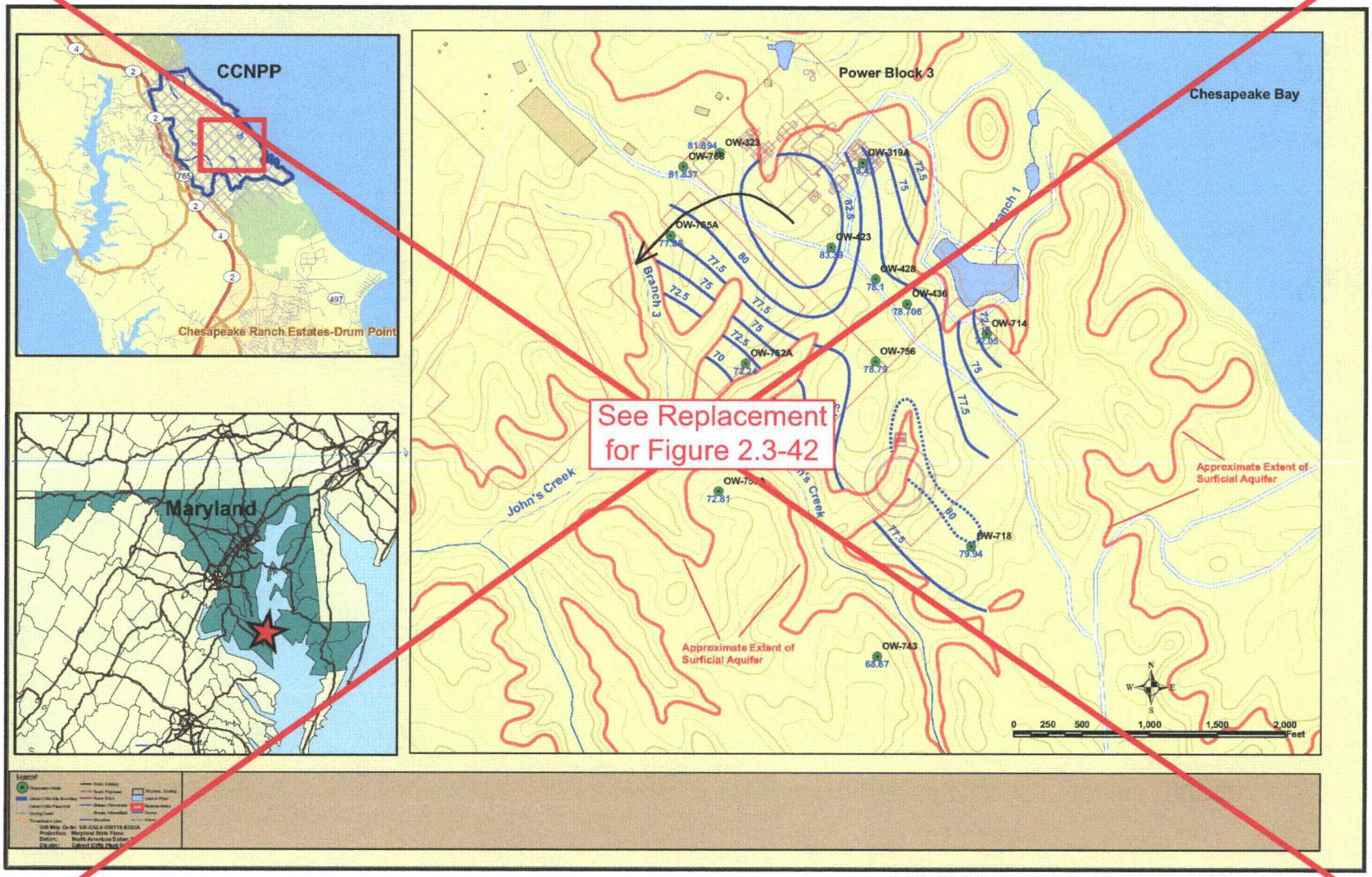
Figure 2.3-42—Water Table Elevation Map and Groundwater Flow Direction for the Surficial Aquifier, July 2006



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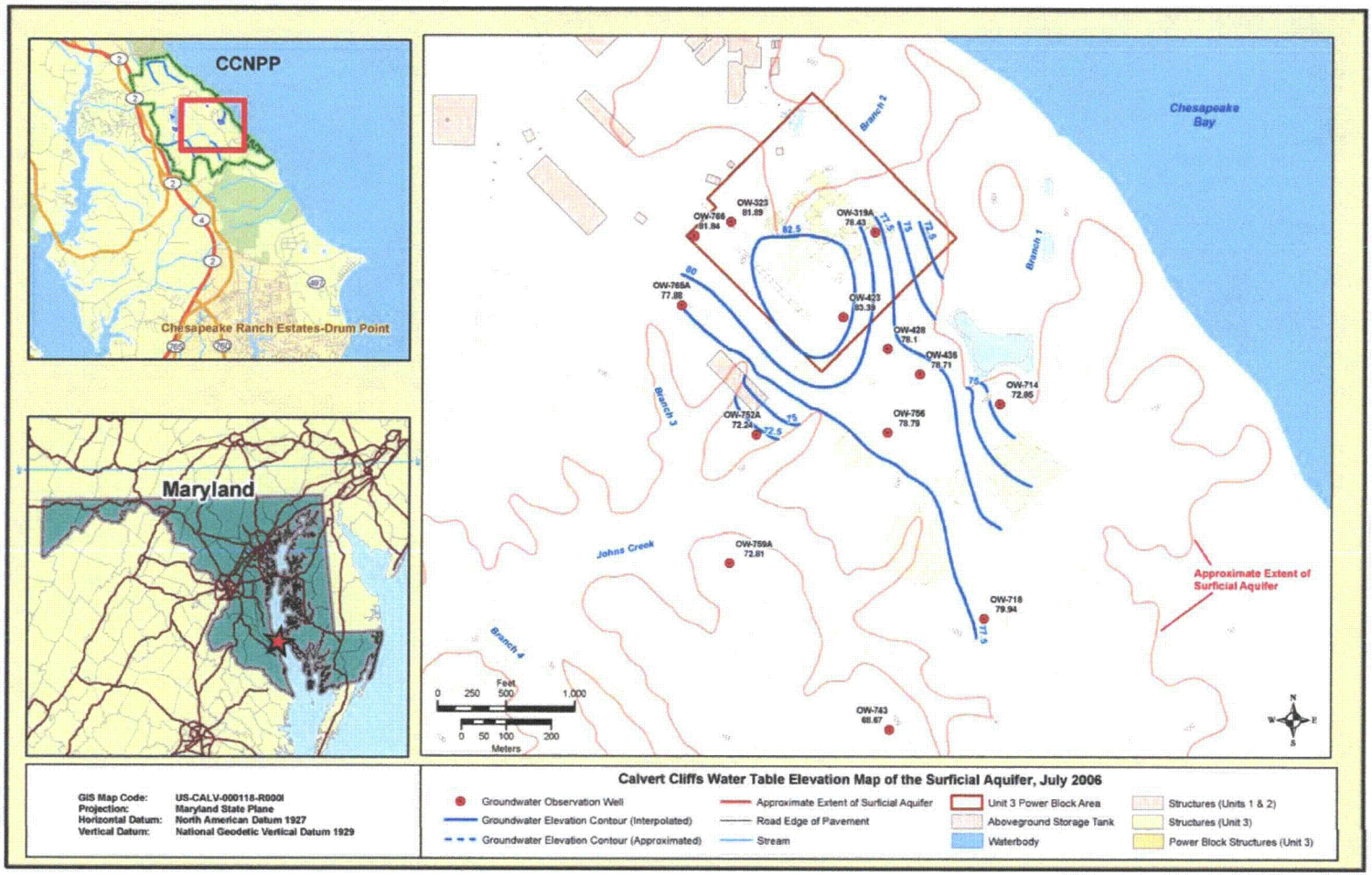
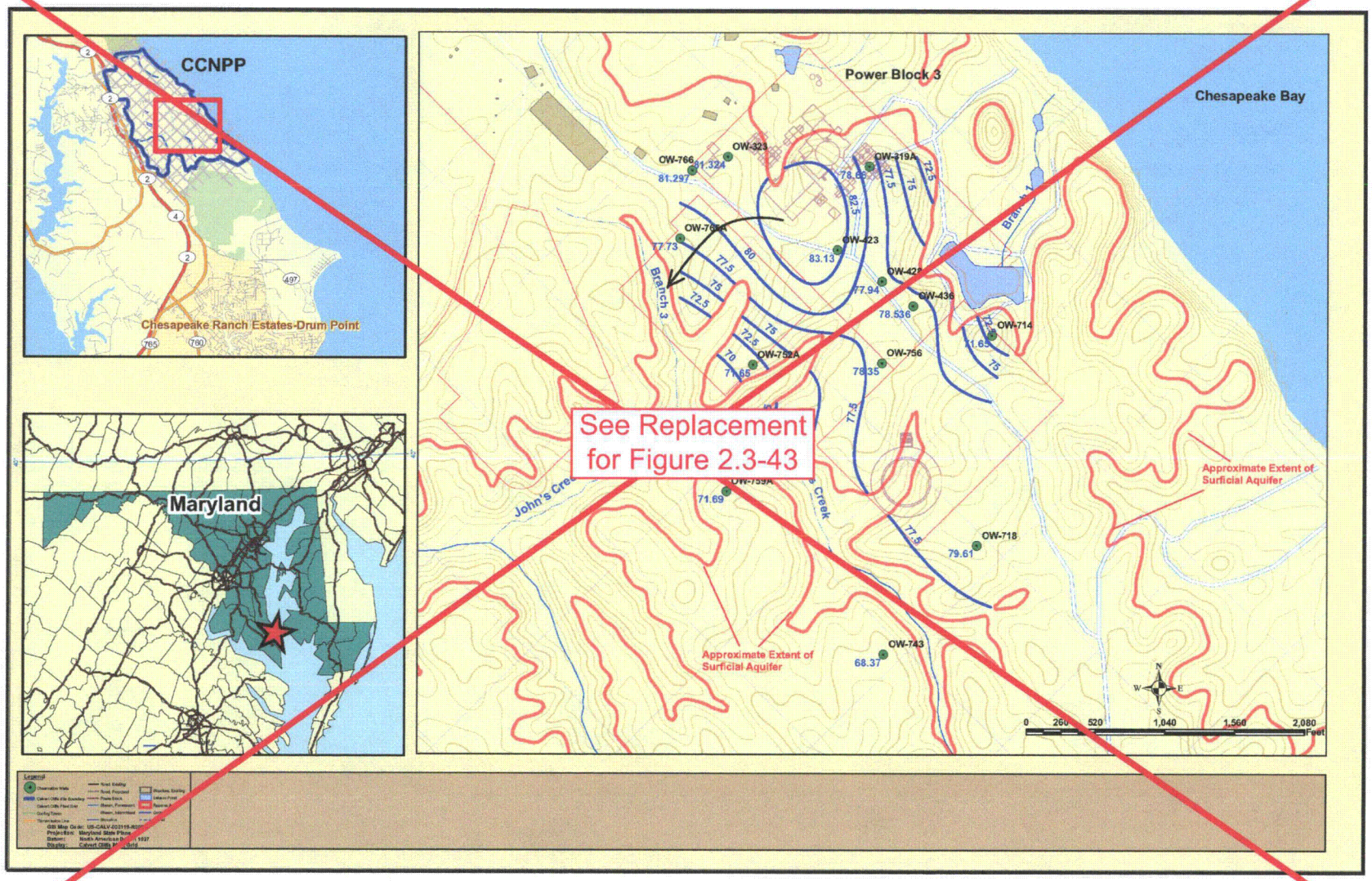


Figure 2.3-43—Water Table Elevation Map and Groundwater Flow Direction for the Surficial Aquifier, September 2006



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Replacement for Figure 2.3-43

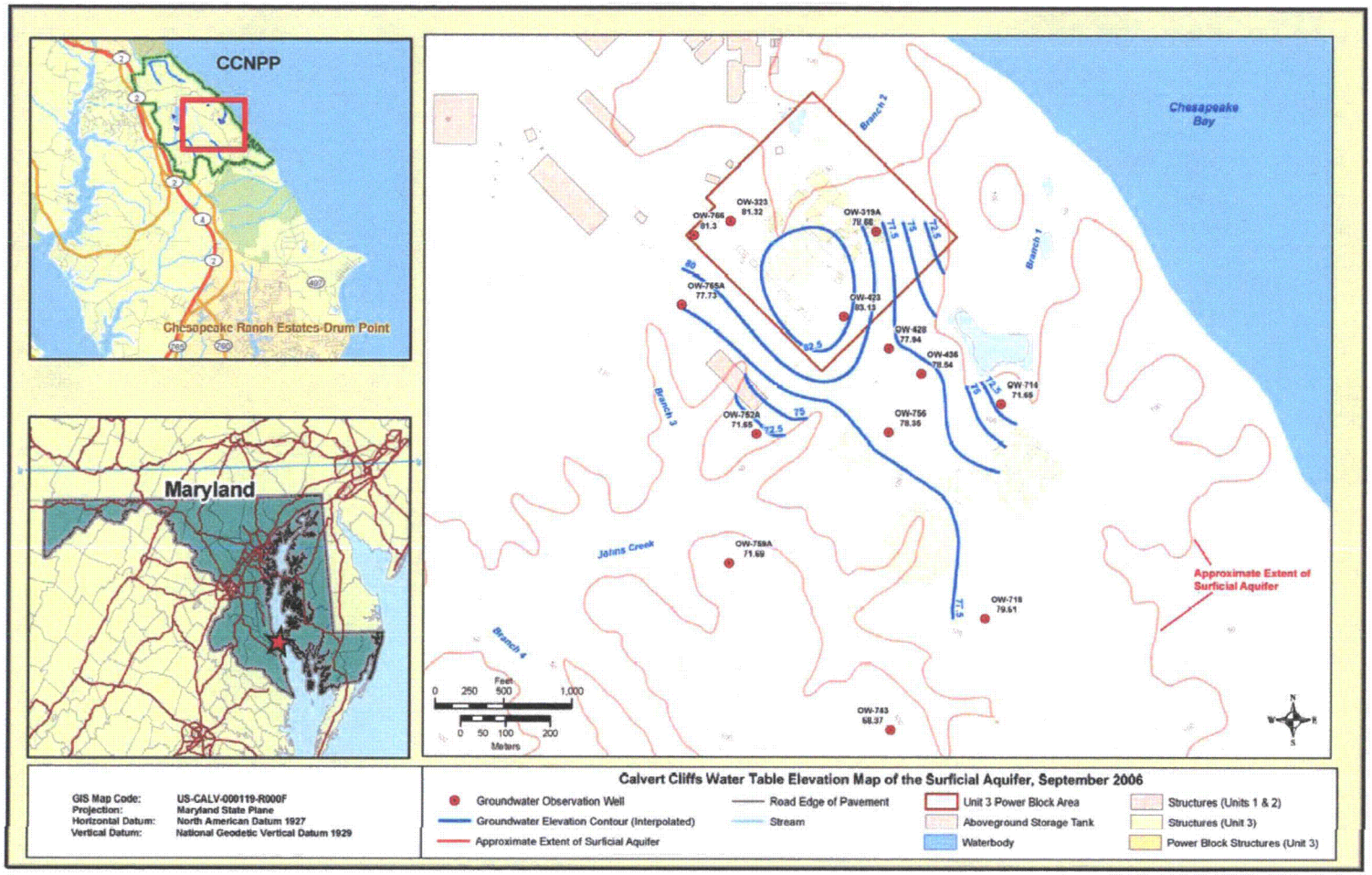
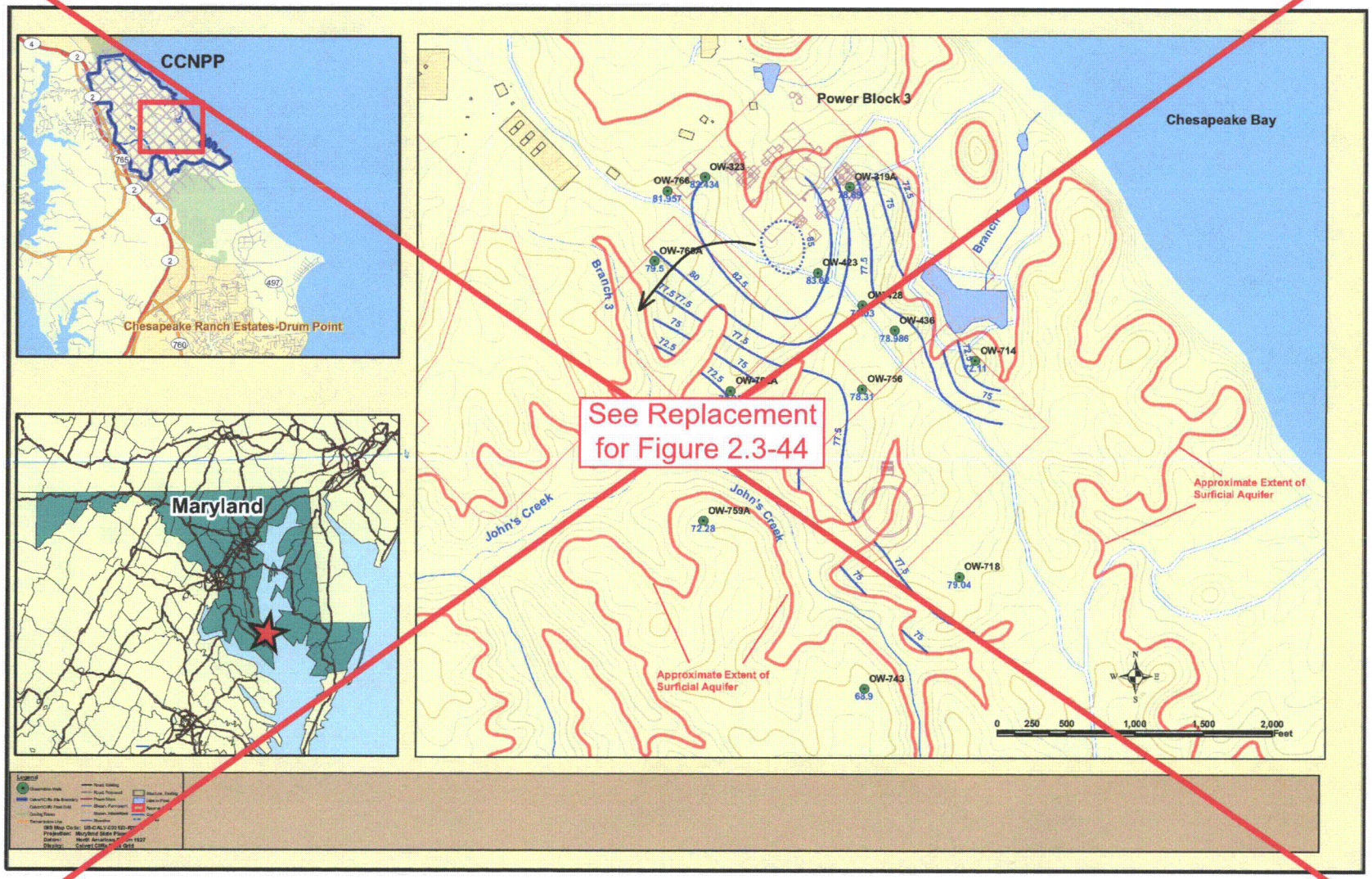


Figure 2.3-44—Water Table Elevation Map and Groundwater Flow Direction for the Surficial Aquifier, December 2006



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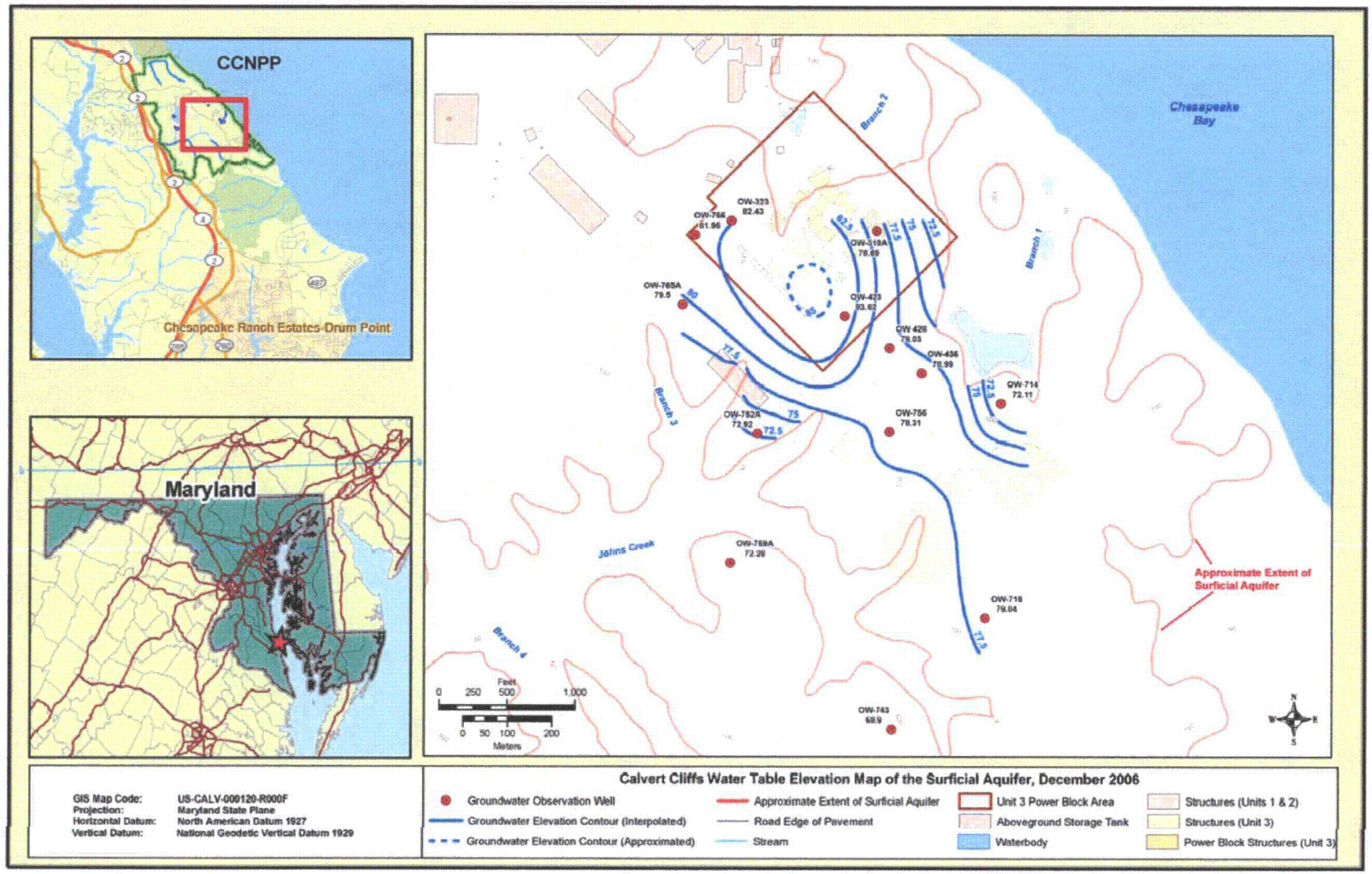
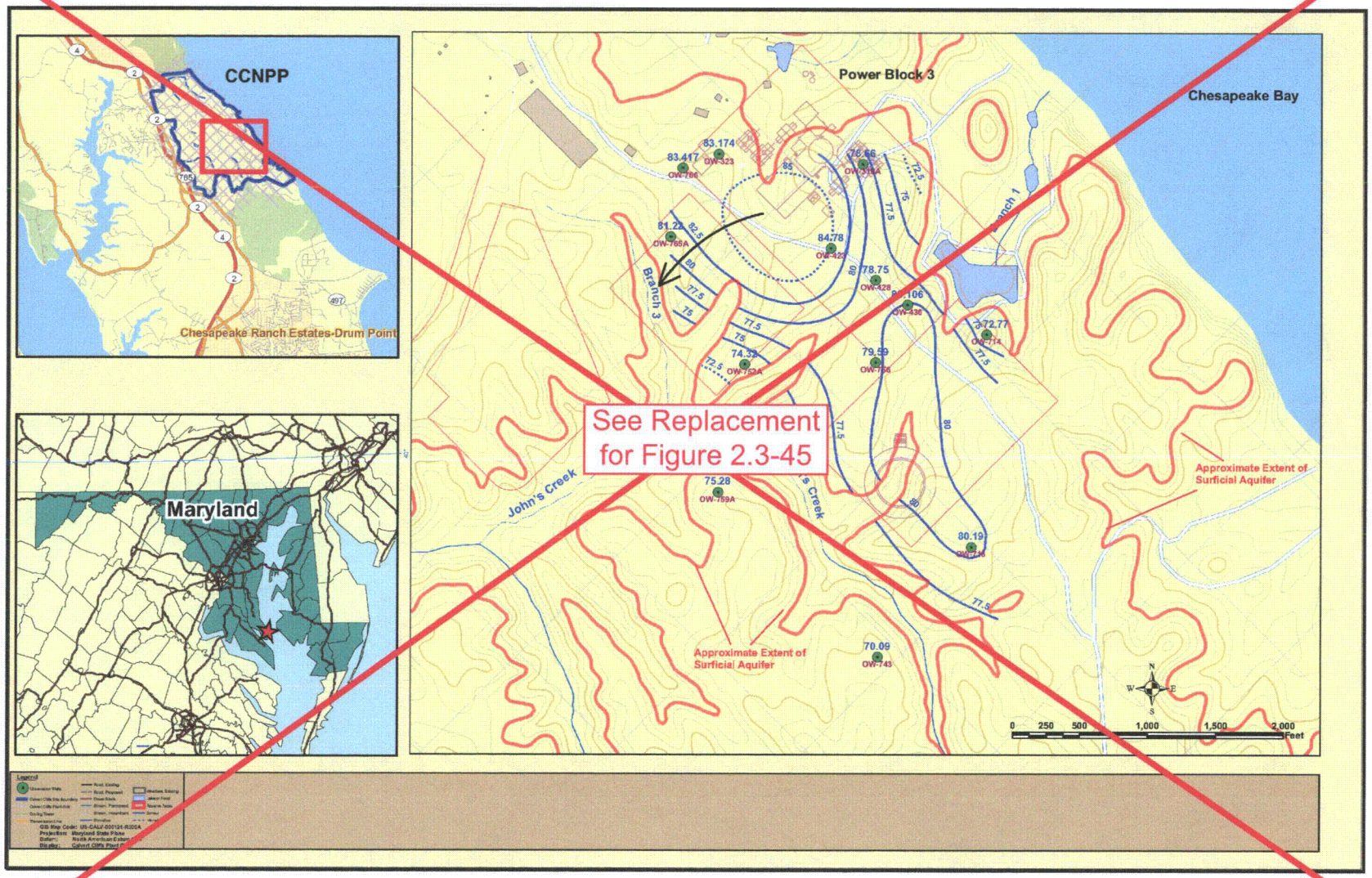


GIS Map Code: US-CALV-000120-R000F
Projection: Maryland State Plane
Horizontal Datum: North American Datum 1927
Vertical Datum: National Geodetic Vertical Datum 1929

Calvert Cliffs Water Table Elevation Map of the Surficial Aquifer, December 2006

- Groundwater Observation Well
- Groundwater Elevation Contour (Interpolated)
- Groundwater Elevation Contour (Approximated)
- Approximate Extent of Surficial Aquifer
- Road Edge of Pavement
- Stream
- Unit 3 Power Block Area
- Aboveground Storage Tank
- Waterbody
- Structures (Units 1 & 2)
- Structures (Unit 3)
- Power Block Structures (Unit 3)

Figure 2.3-45—Water Table Elevation Map and Groundwater Flow Direction for the Surficial Aquifer, March 2007



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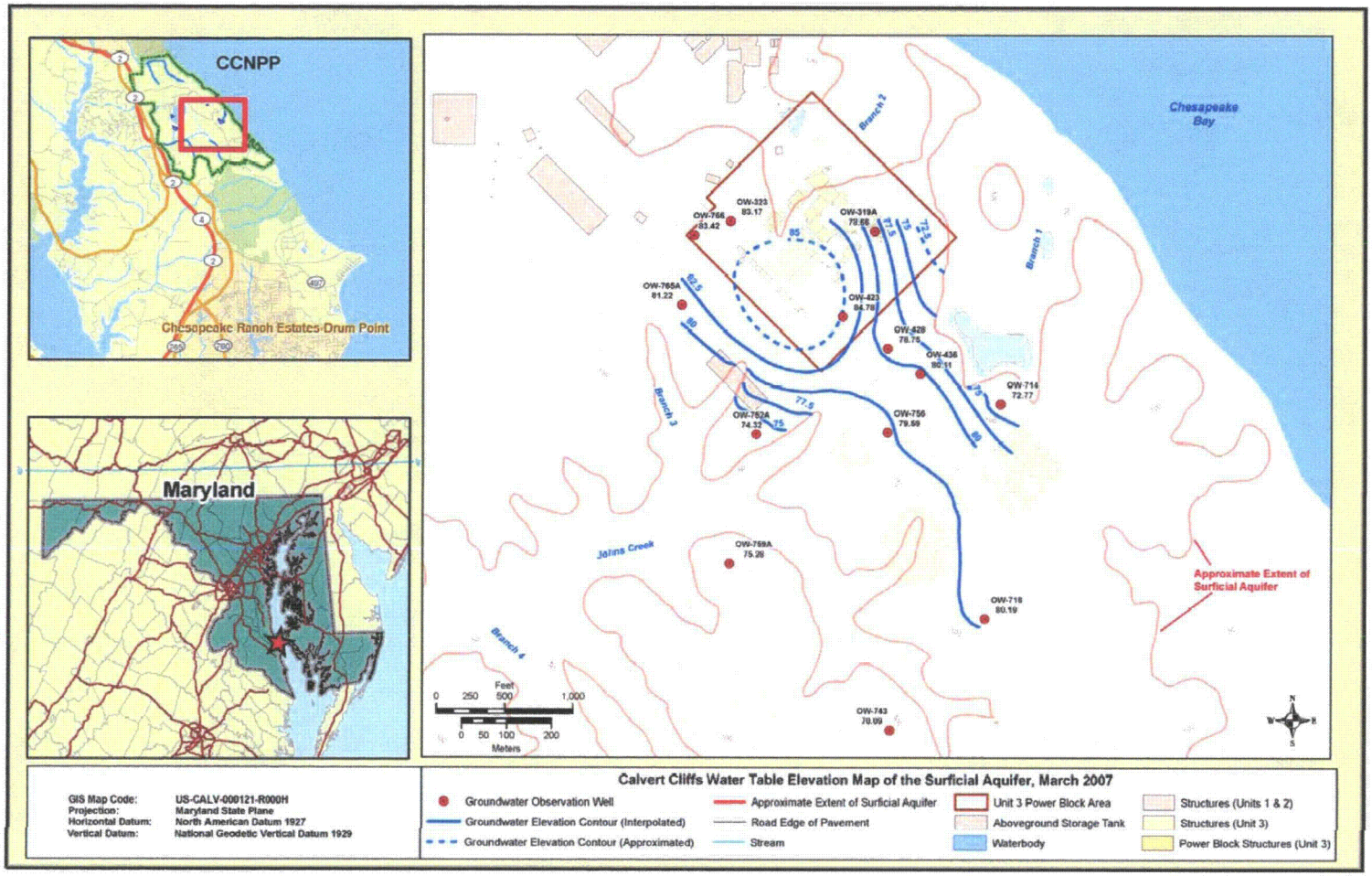

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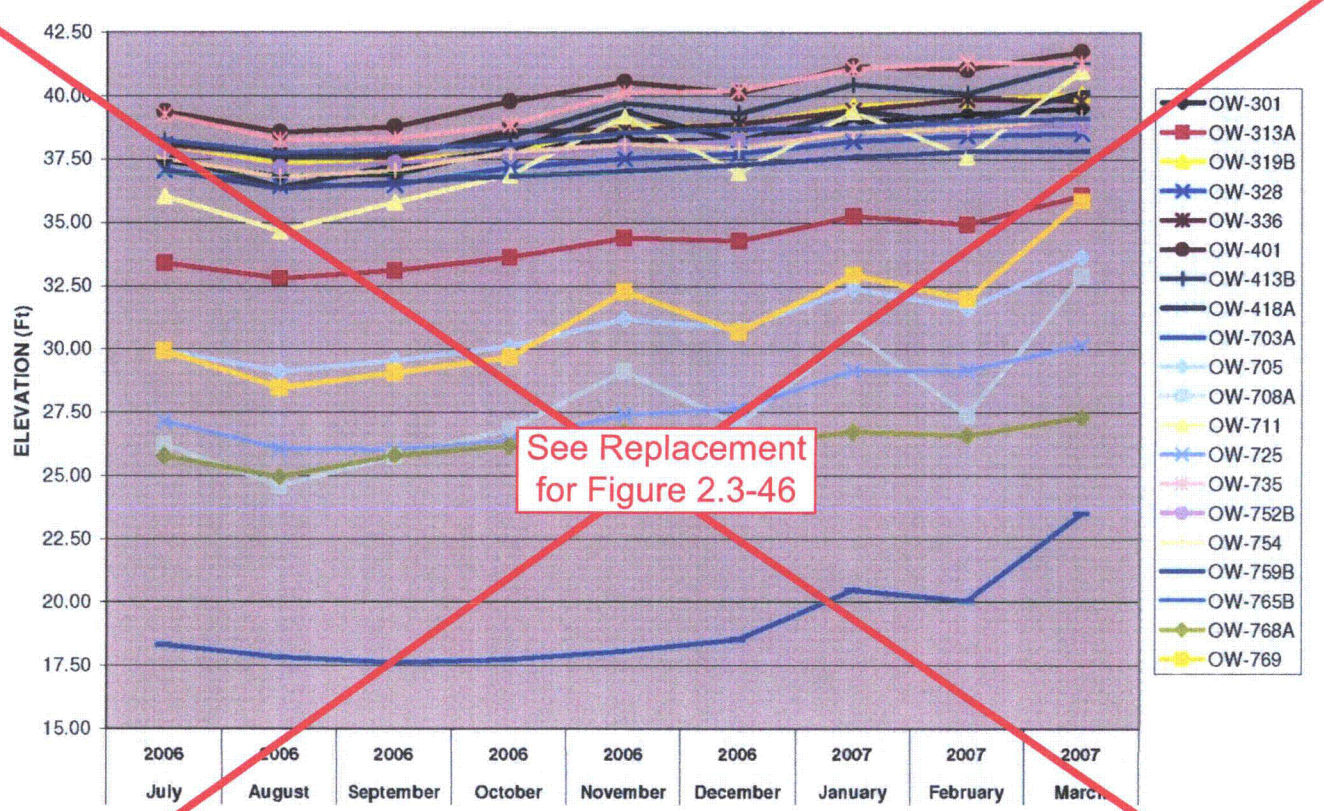
Figure 2.3-46—Groundwater Elevations for the Upper Chesapeake Unit, July 2006 through ~~March 2007~~

(Page 1 of 2)



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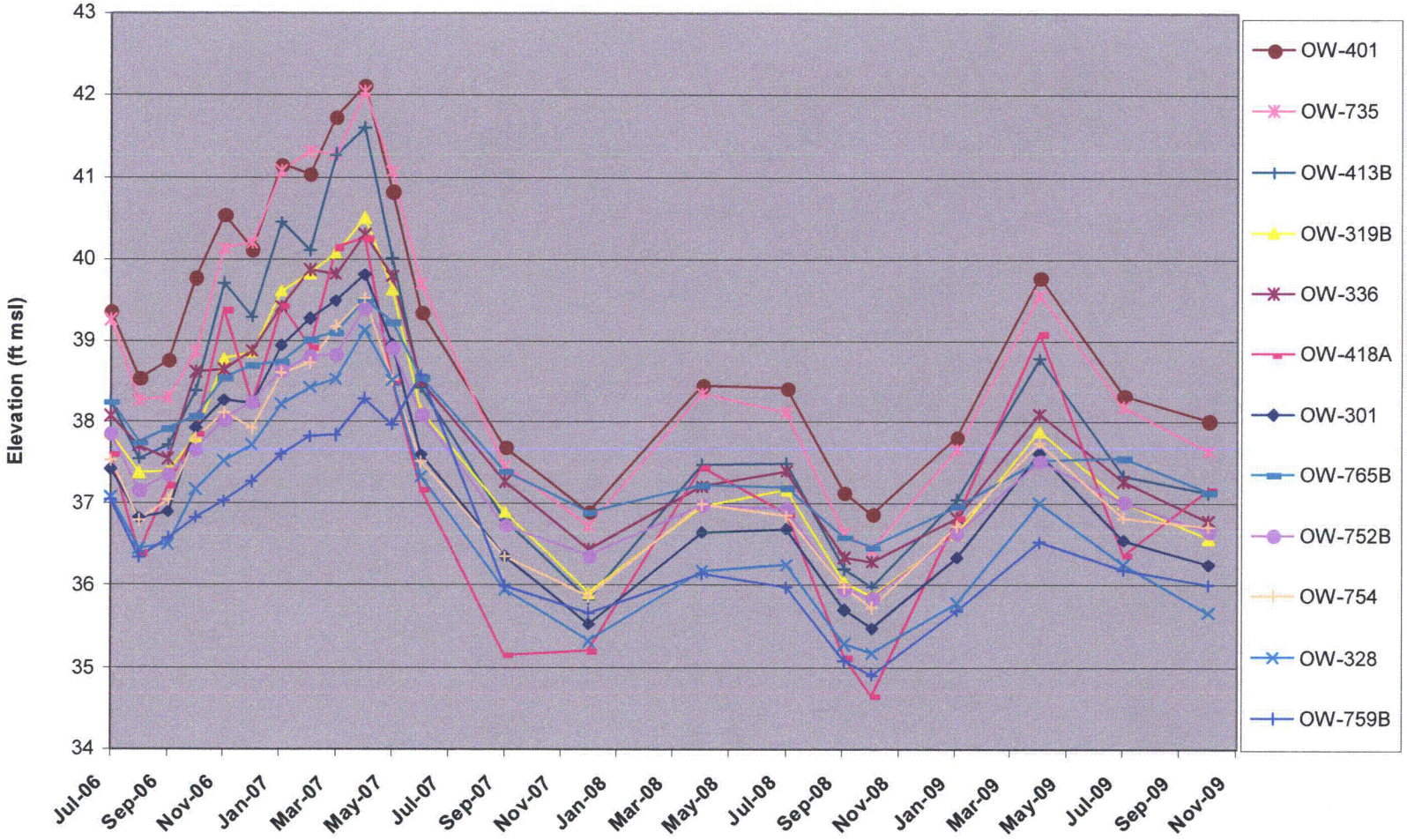
Replacement for Figure 2.3-46

(Page 1 of 2)



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(Page 2 of 2)

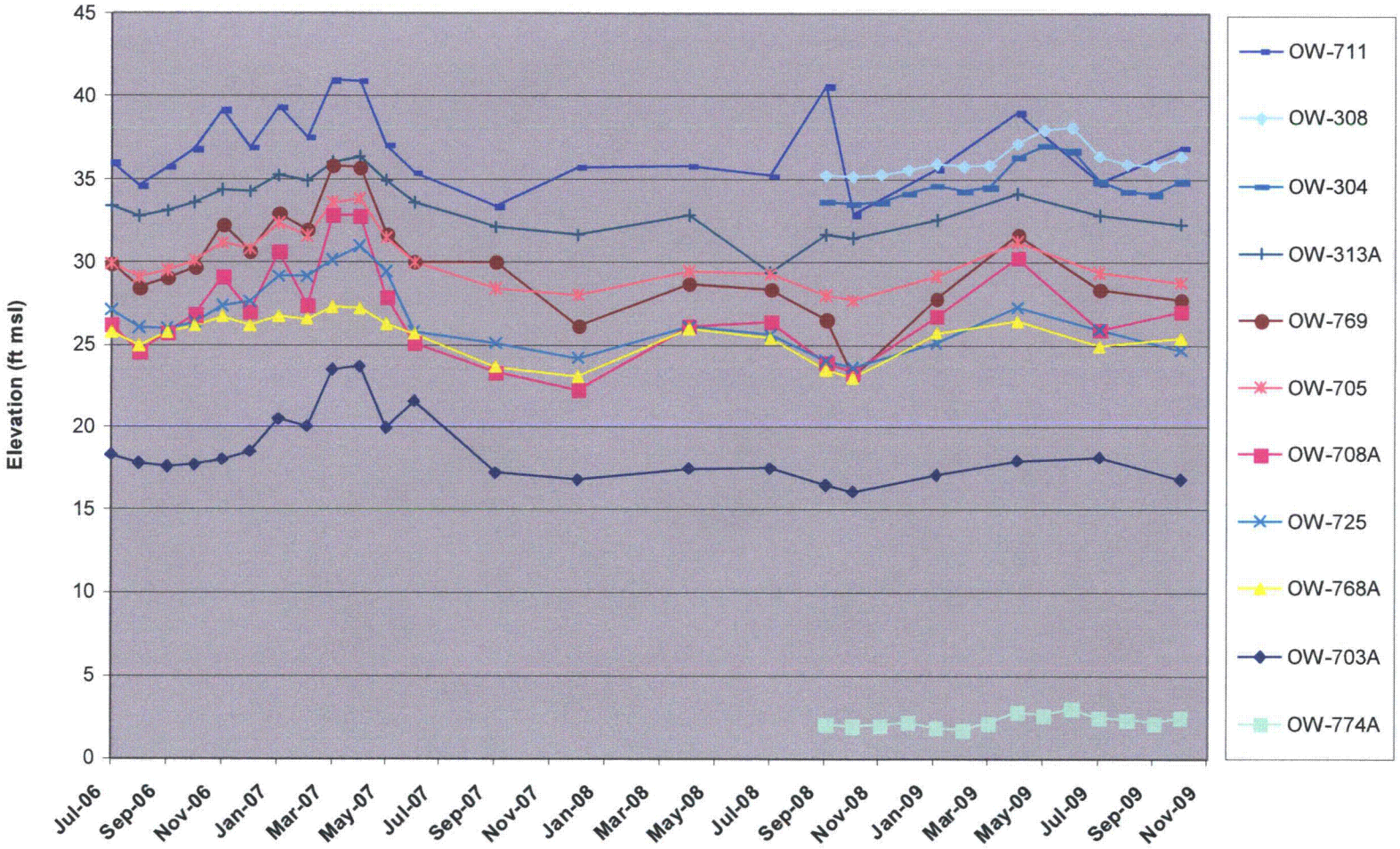
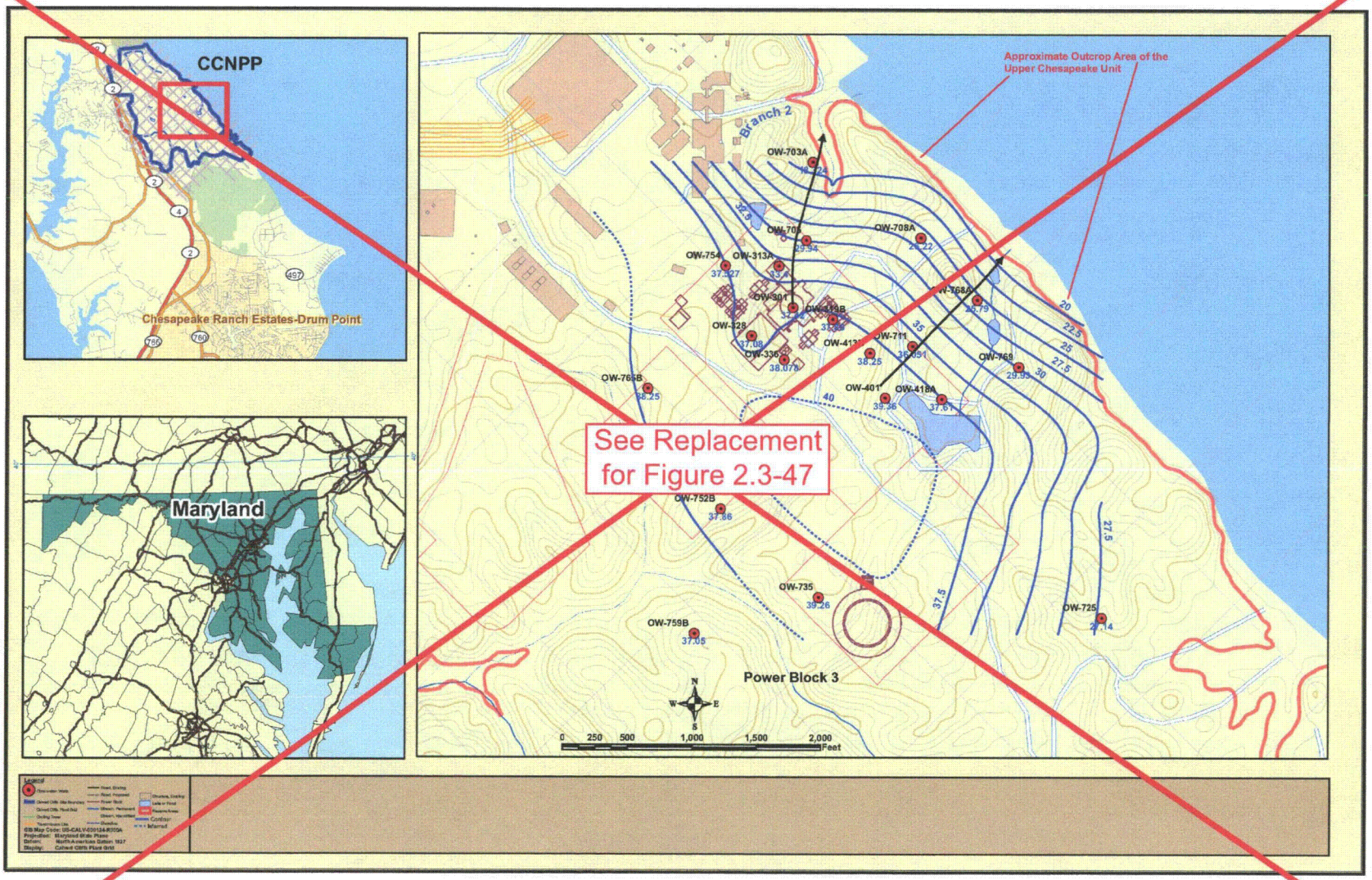


Figure 2.3-47—Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Upper Chesapeake Unit, July 2006



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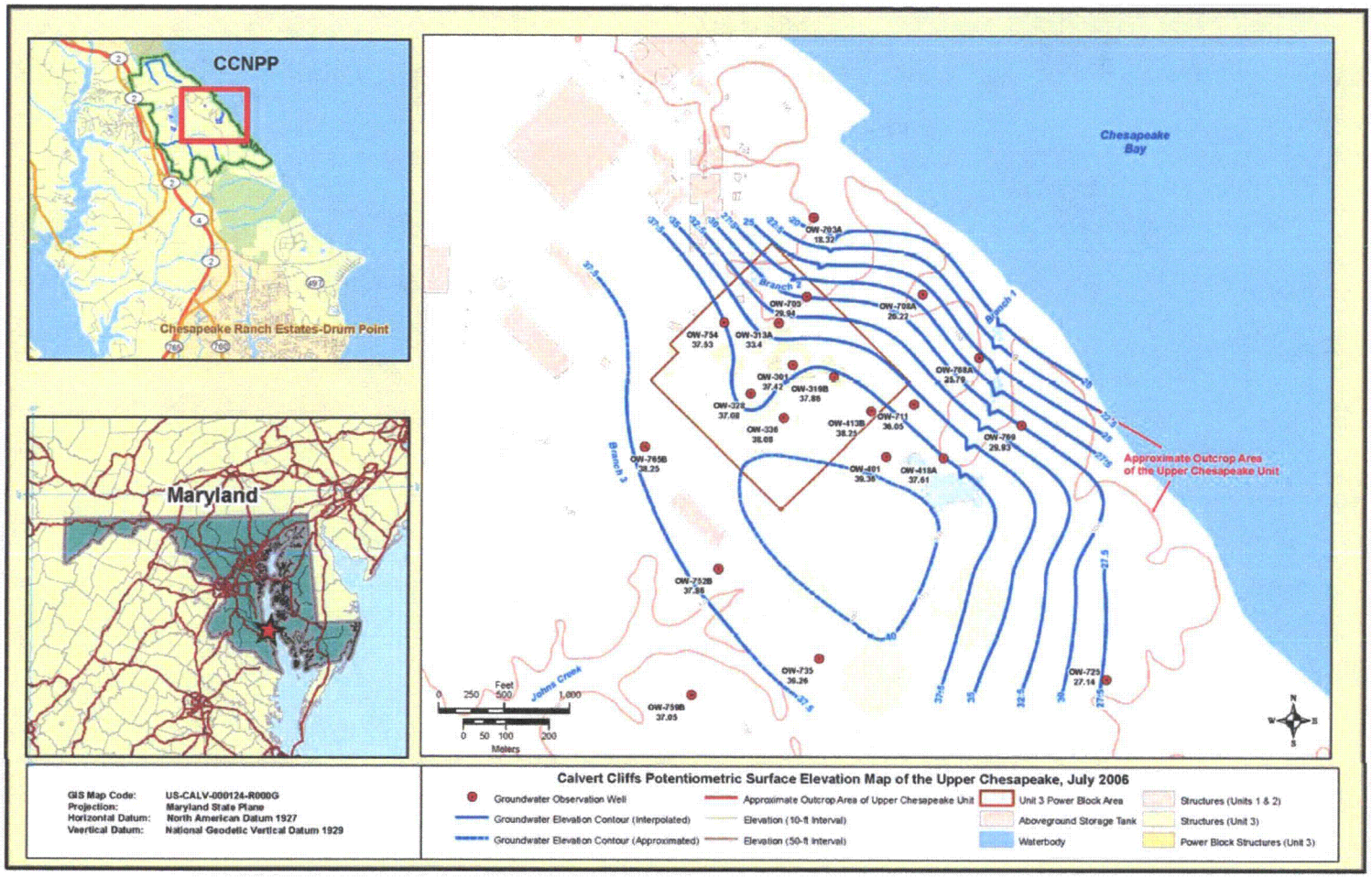
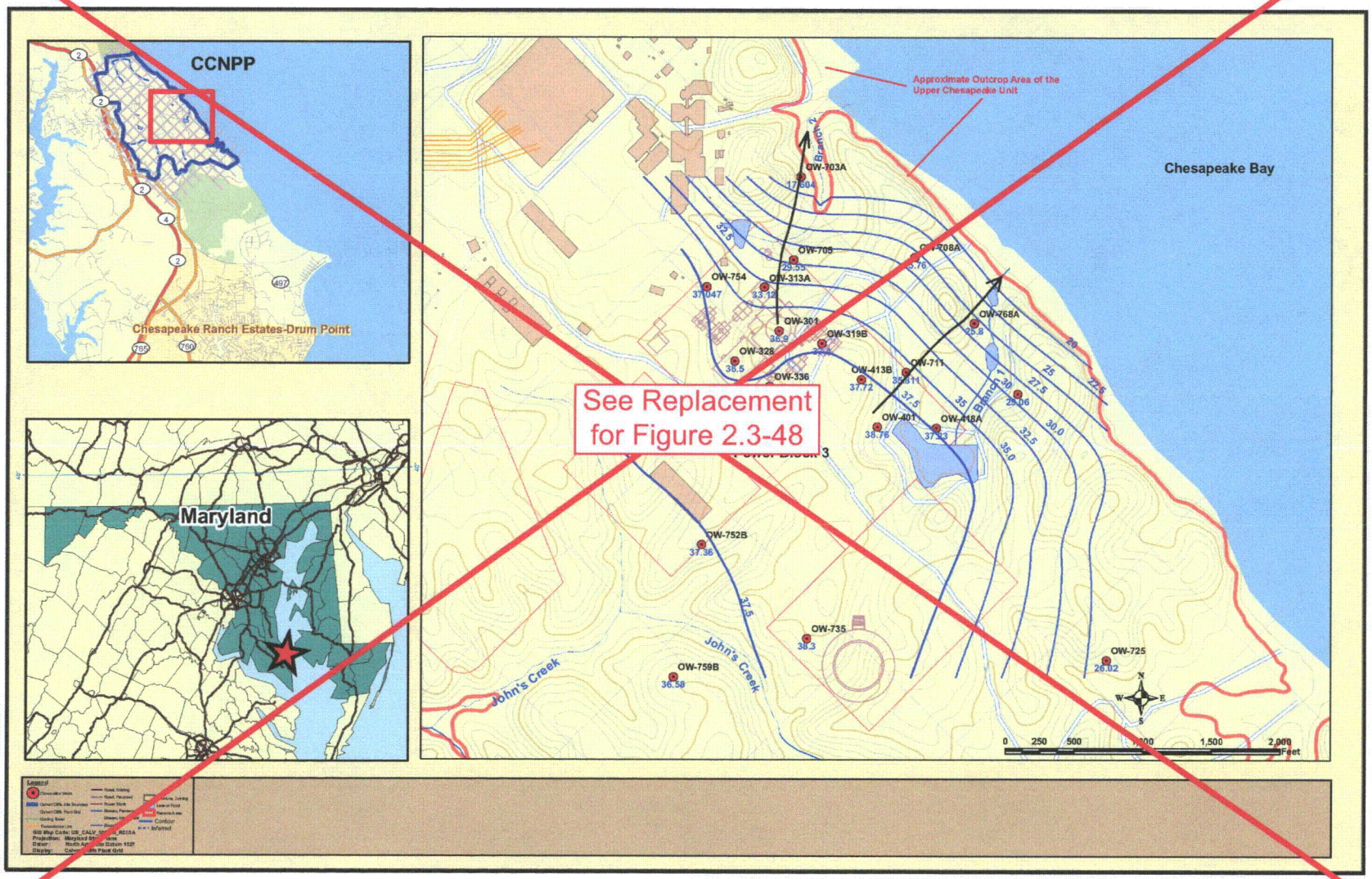


Figure 2.3-48—Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Upper Chesapeake Unit, September 2006



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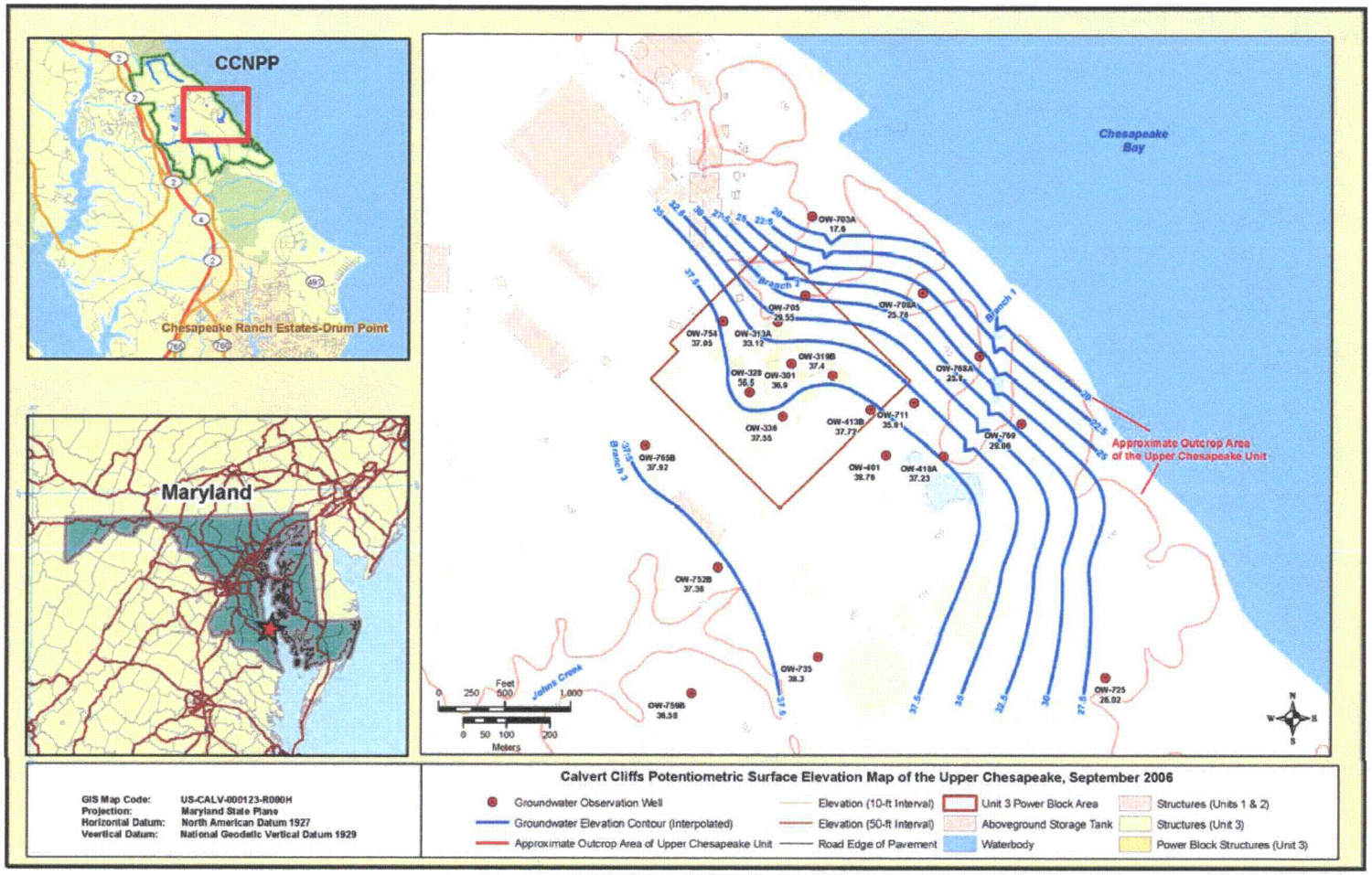
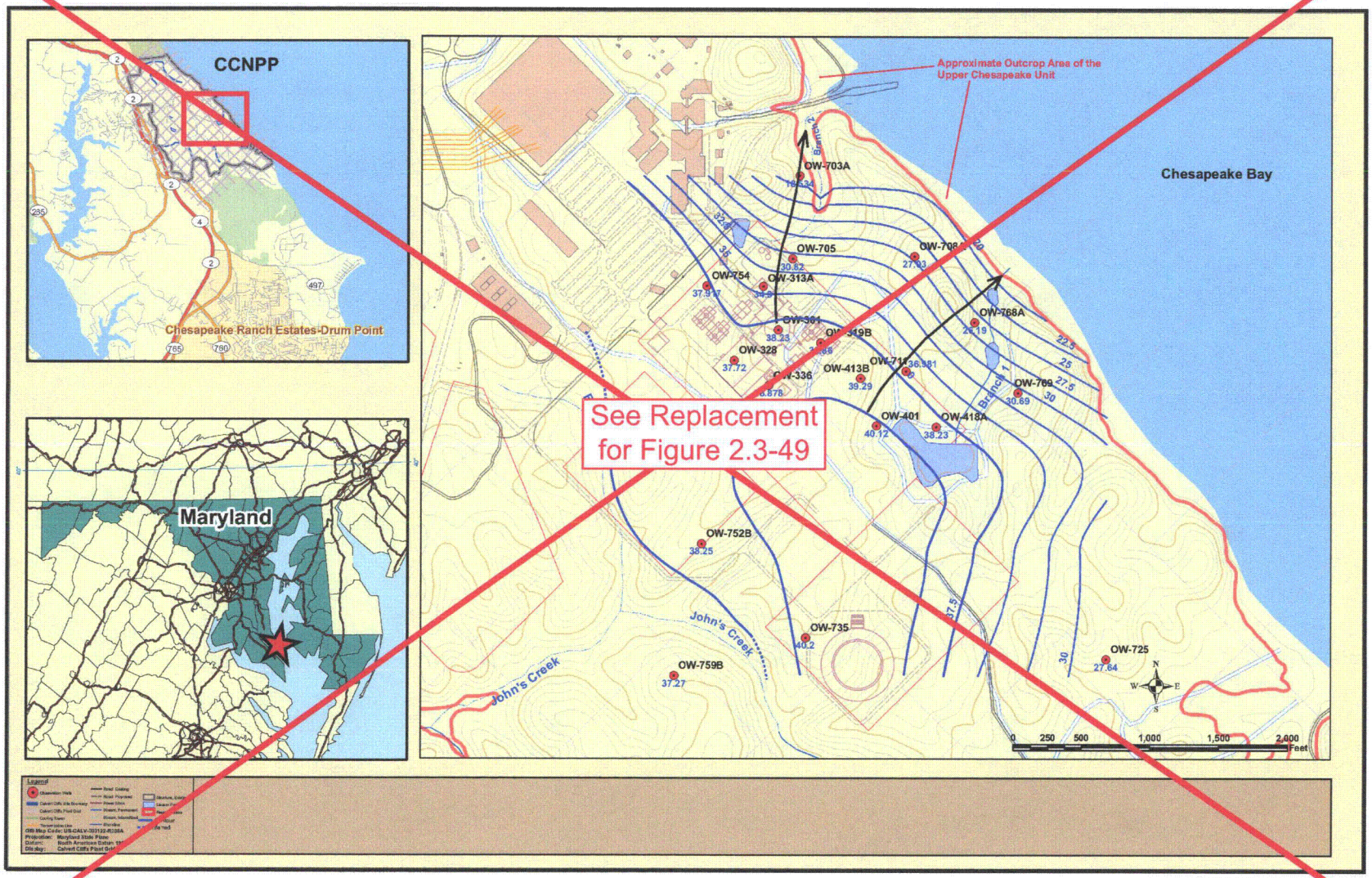


GIS Map Code: US-CALV-000123-R000H
Projection: Maryland State Plane
Horizontal Datum: North American Datum 1927
Vertical Datum: National Geodetic Vertical Datum 1929

Calvert Cliffs Potentiometric Surface Elevation Map of the Upper Chesapeake, September 2006

- Groundwater Observation Well
- Groundwater Elevation Contour (Interpolated)
- Approximate Outcrop Area of Upper Chesapeake Unit
- Elevation (10-ft Interval)
- Elevation (50-ft Interval)
- Road Edge of Pavement
- Unit 3 Power Block Area
- Aboveground Storage Tank
- Waterbody
- Structures (Units 1 & 2)
- Structures (Unit 3)
- Power Block Structures (Unit 3)

Figure 2.3-49—Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Upper Chesapeake Unit, December 2006



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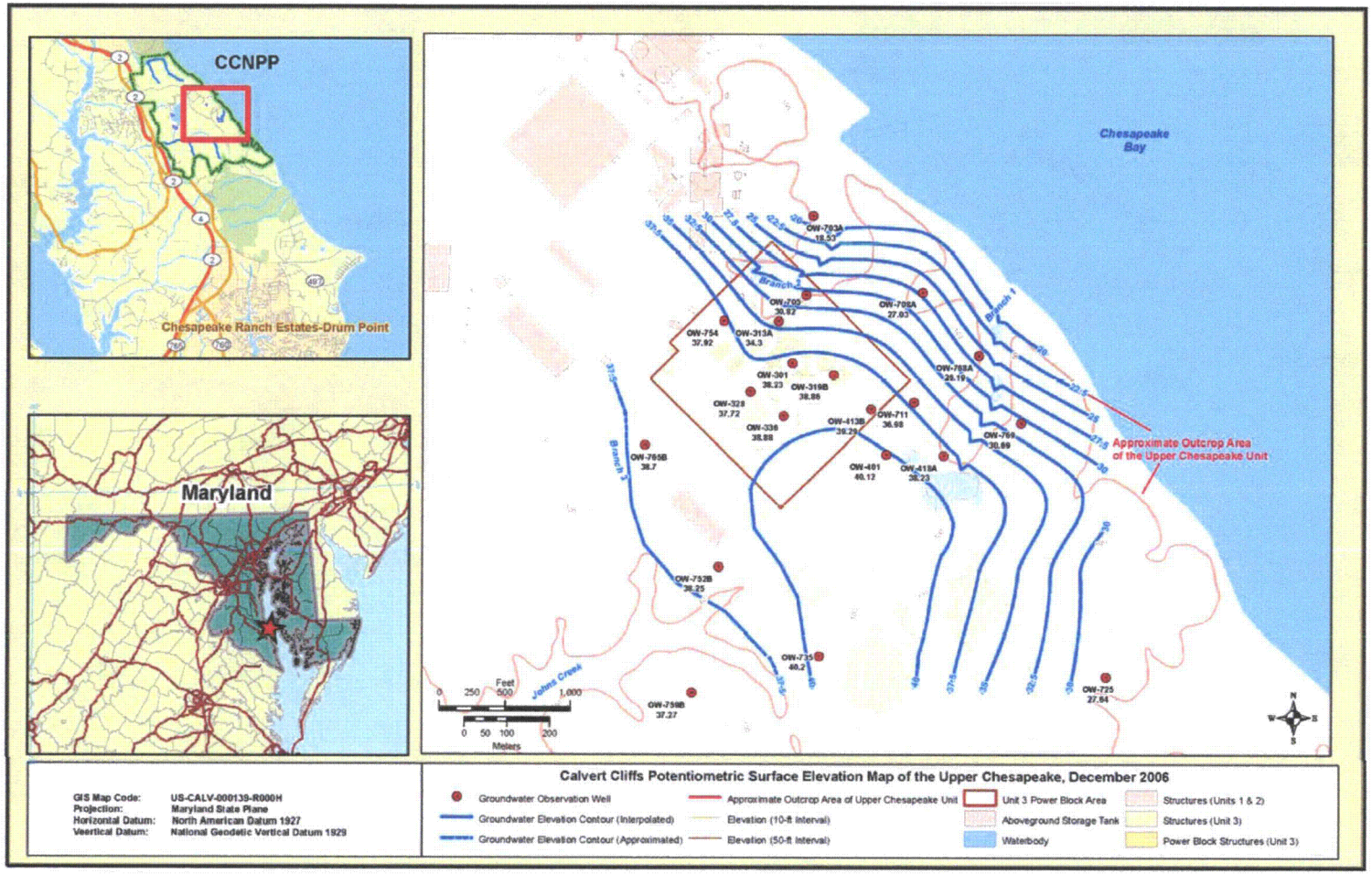
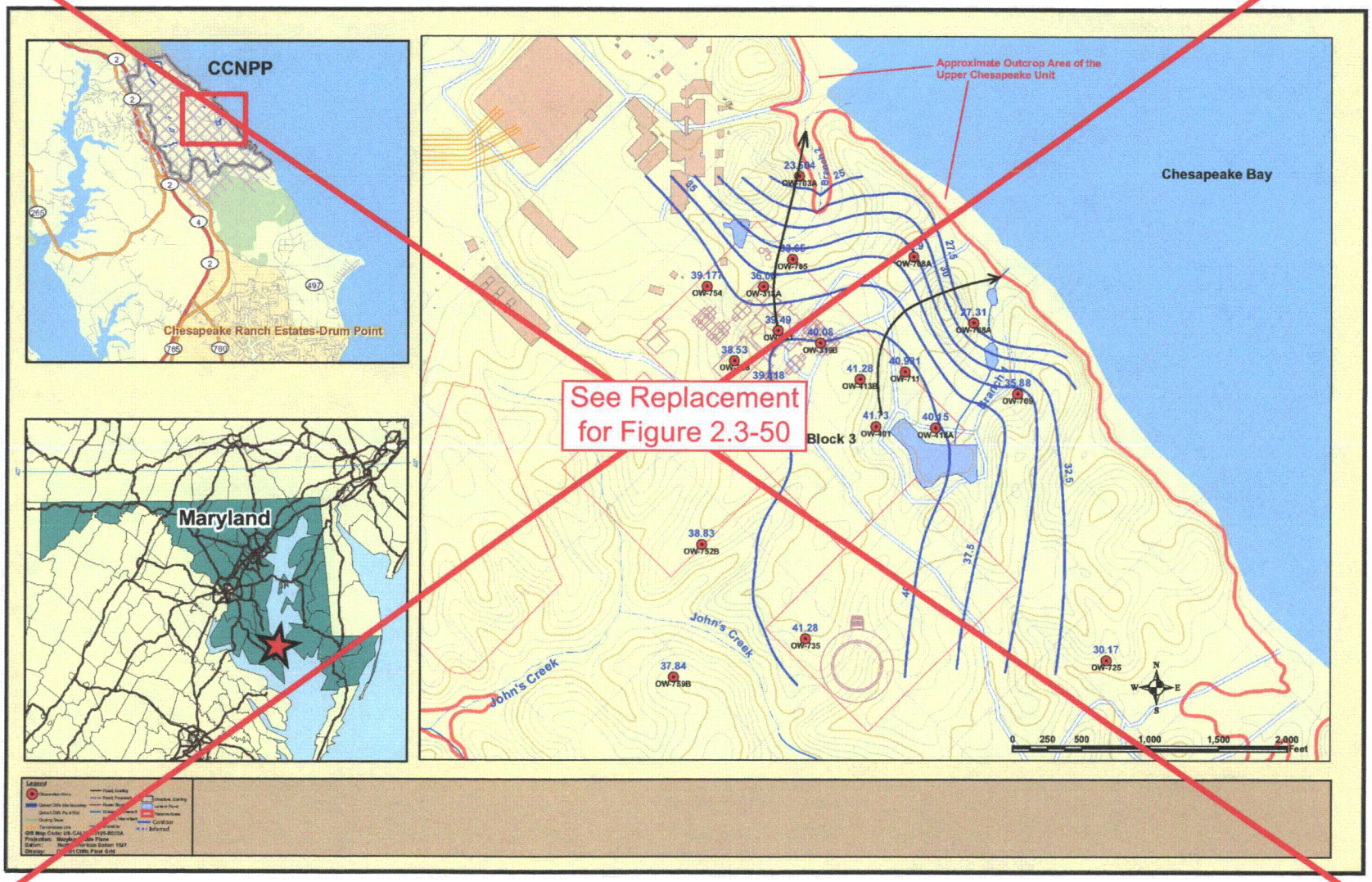


GIS Map Code: US-CALV-000139-R000H
Projection: Maryland State Plane
Horizontal Datum: North American Datum 1927
Veertical Datum: National Geodetic Vertical Datum 1929

Calvert Cliffs Potentiometric Surface Elevation Map of the Upper Chesapeake, December 2006

- Groundwater Observation Well
- Groundwater Elevation Contour (Interpolated)
- Groundwater Elevation Contour (Approximated)
- Approximate Outcrop Area of Upper Chesapeake Unit
- Elevation (10-ft Interval)
- Elevation (50-ft Interval)
- Unit 3 Power Block Area
- Aboveground Storage Tank
- Waterbody
- Structures (Units 1 & 2)
- Structures (Unit 3)
- Power Block Structures (Unit 3)

Figure 2.3-50—Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Upper Chesapeake Unit, March 2007



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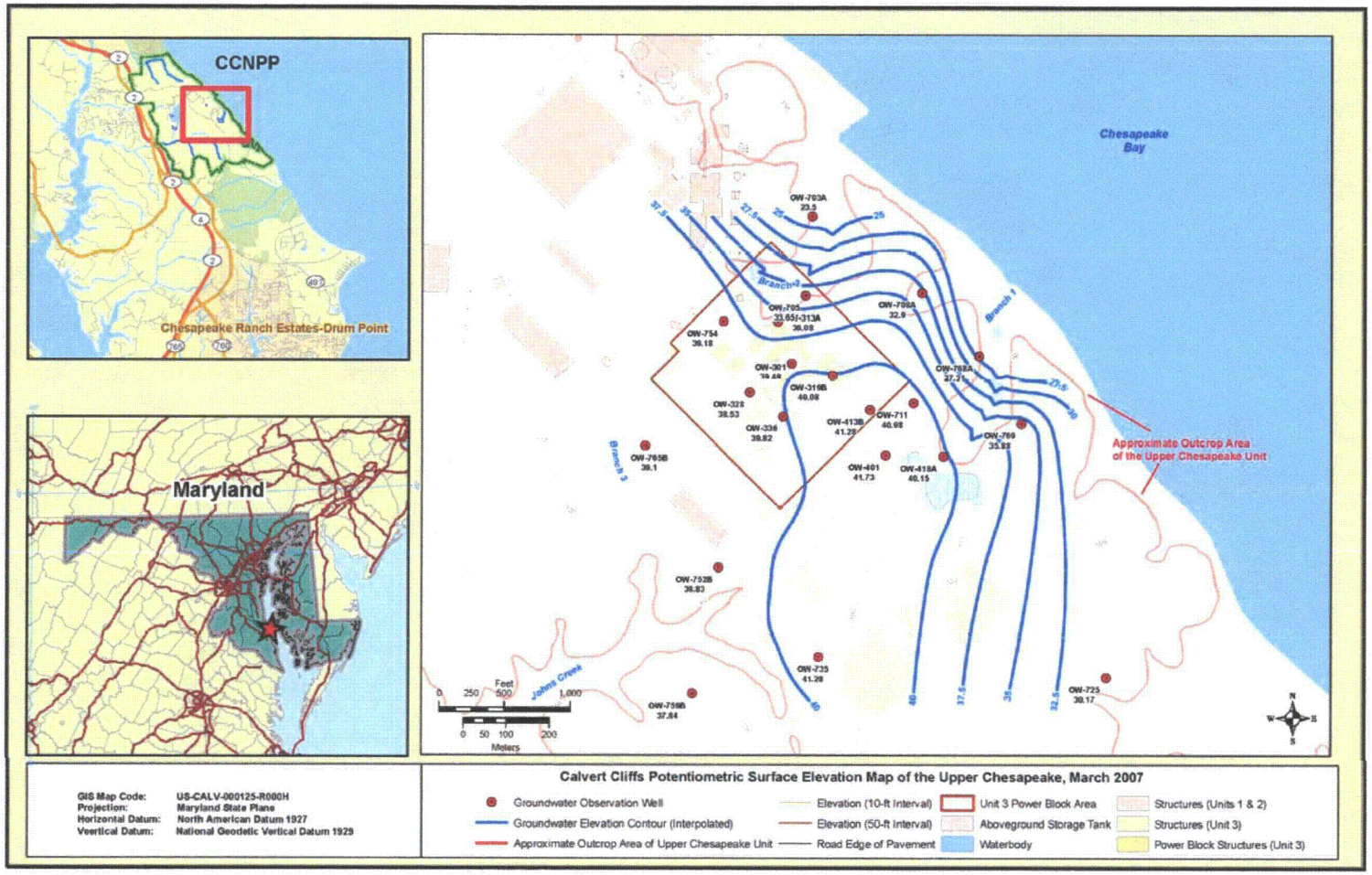

GIS Map Code: US-CALV-000125-R000H
Projection: Maryland State Plane
Horizontal Datum: North American Datum 1927
Vertical Datum: National Geodetic Vertical Datum 1929

Calvert Cliffs Potentiometric Surface Elevation Map of the Upper Chesapeake, March 2007

- Groundwater Observation Well
- Groundwater Elevation Contour (Interpolated)
- Approximate Outcrop Area of Upper Chesapeake Unit
- Elevation (10-ft Interval)
- Elevation (50-ft Interval)
- Road Edge of Pavement
- Unit 3 Power Block Area
- Aboveground Storage Tank
- Waterbody
- Structures (Units 1 & 2)
- Structures (Unit 3)
- Power Block Structures (Unit 3)

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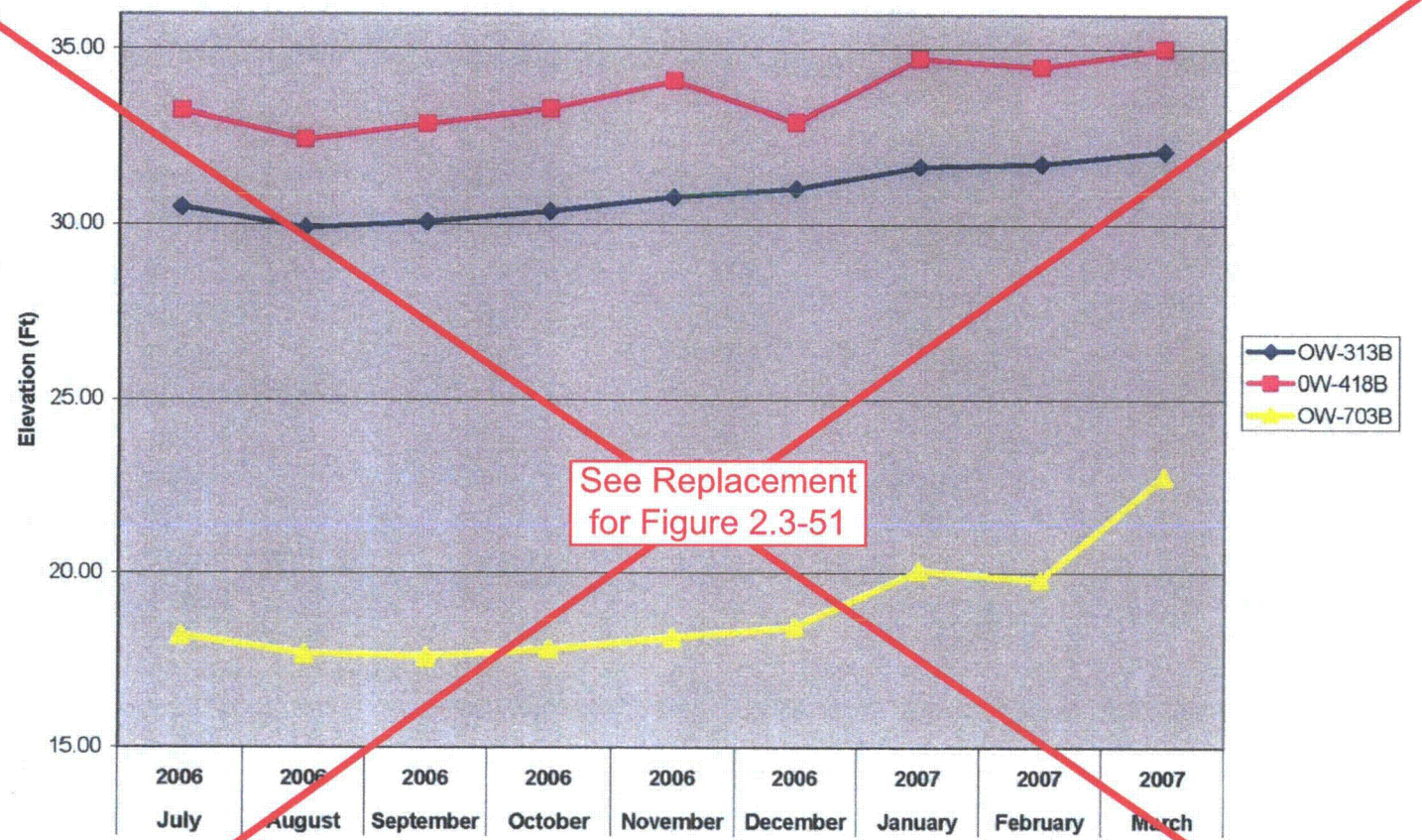
Figure 2.3-51—Groundwater Elevations for the Lower Chesapeake Unit, July 2006 through ~~March 2007~~



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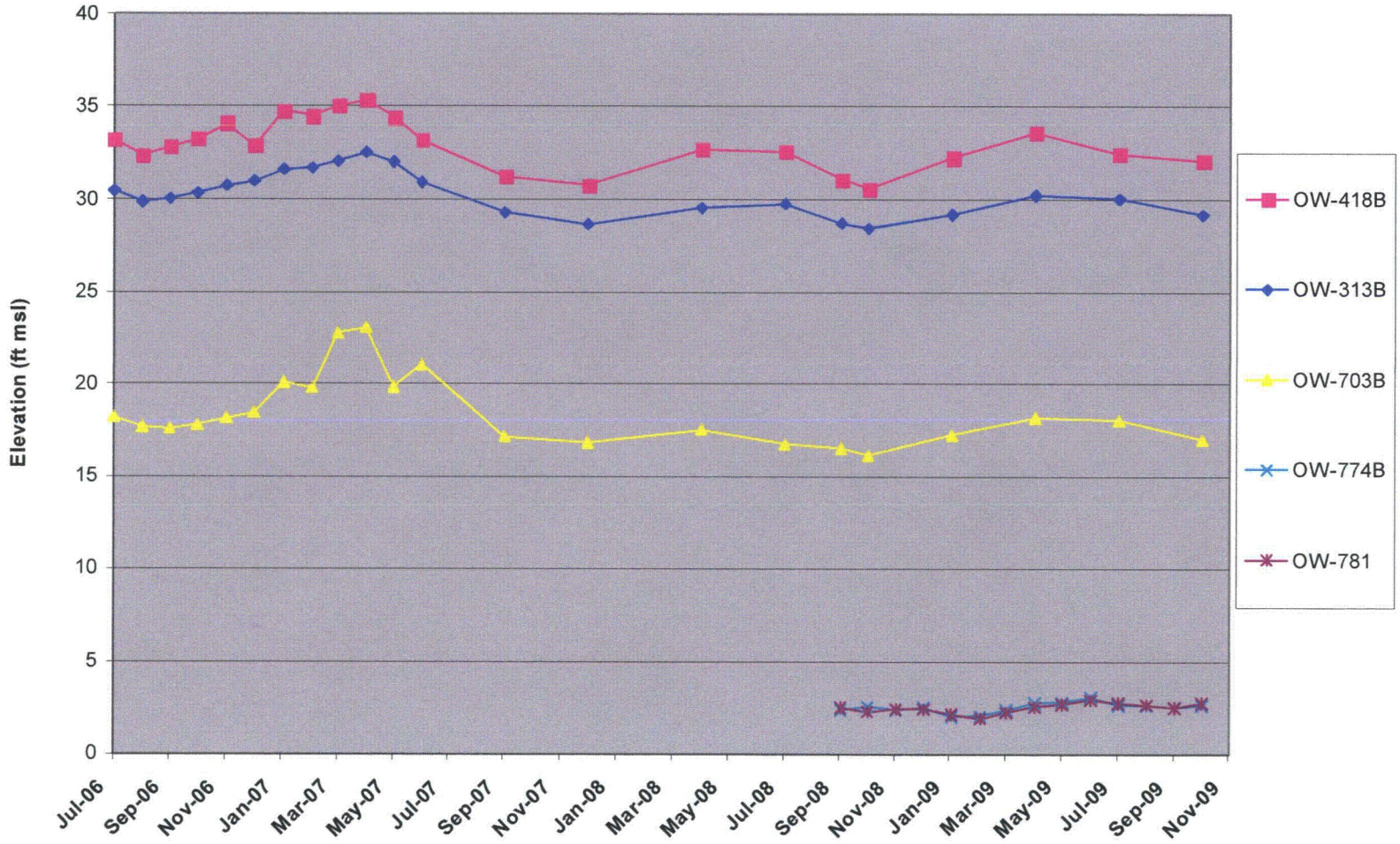
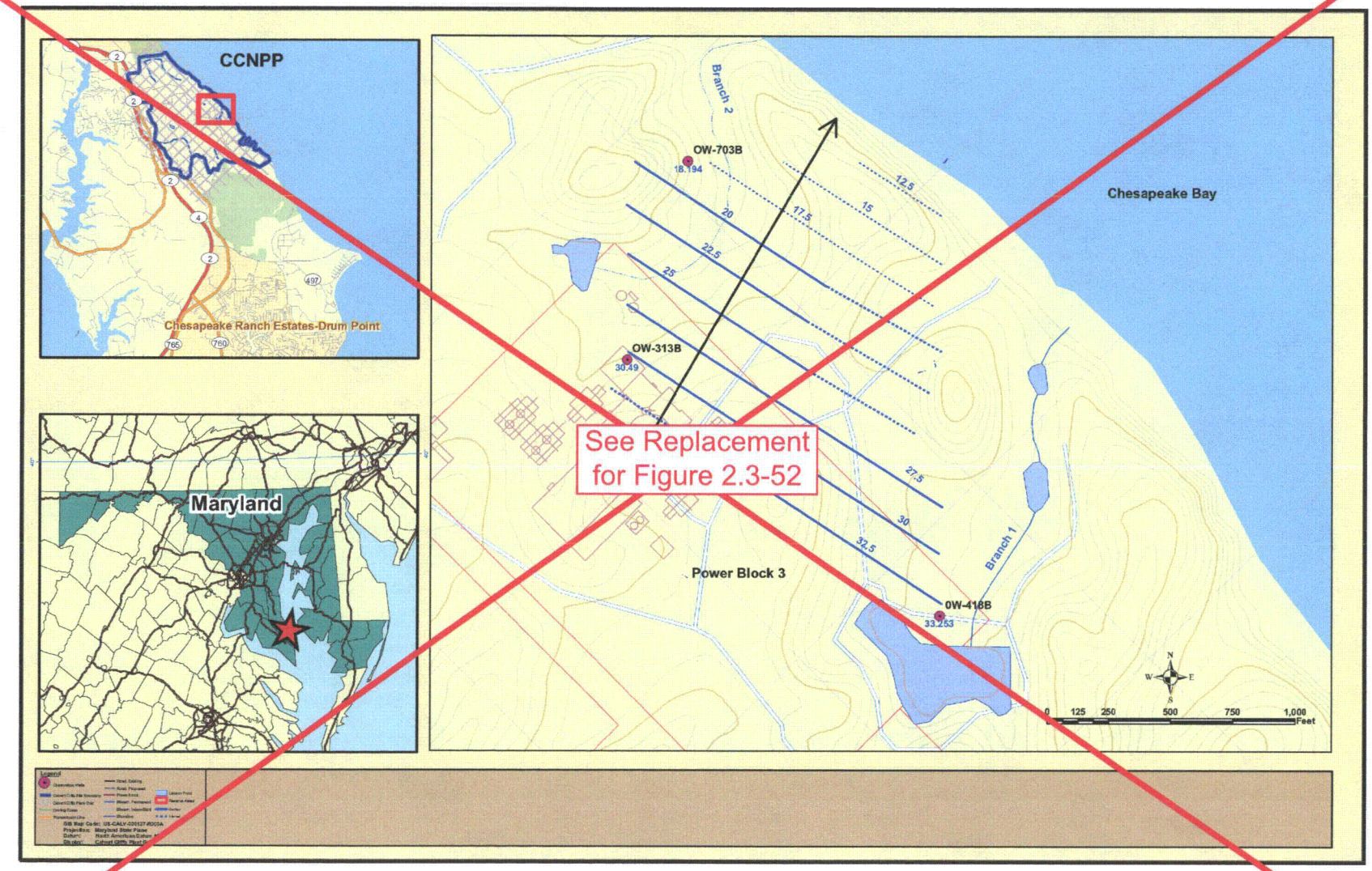


Figure 2.3-52—Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, July 2006



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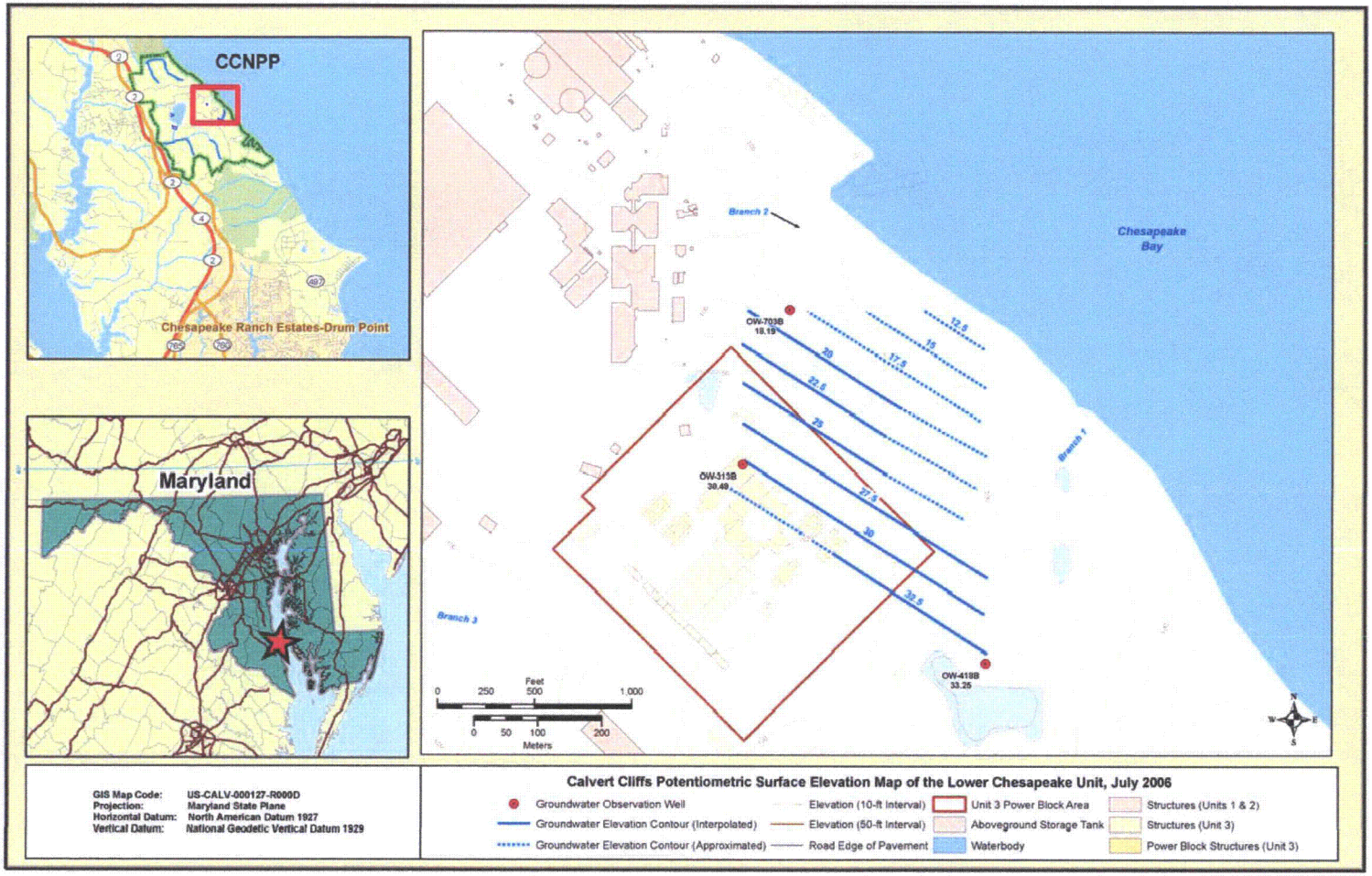
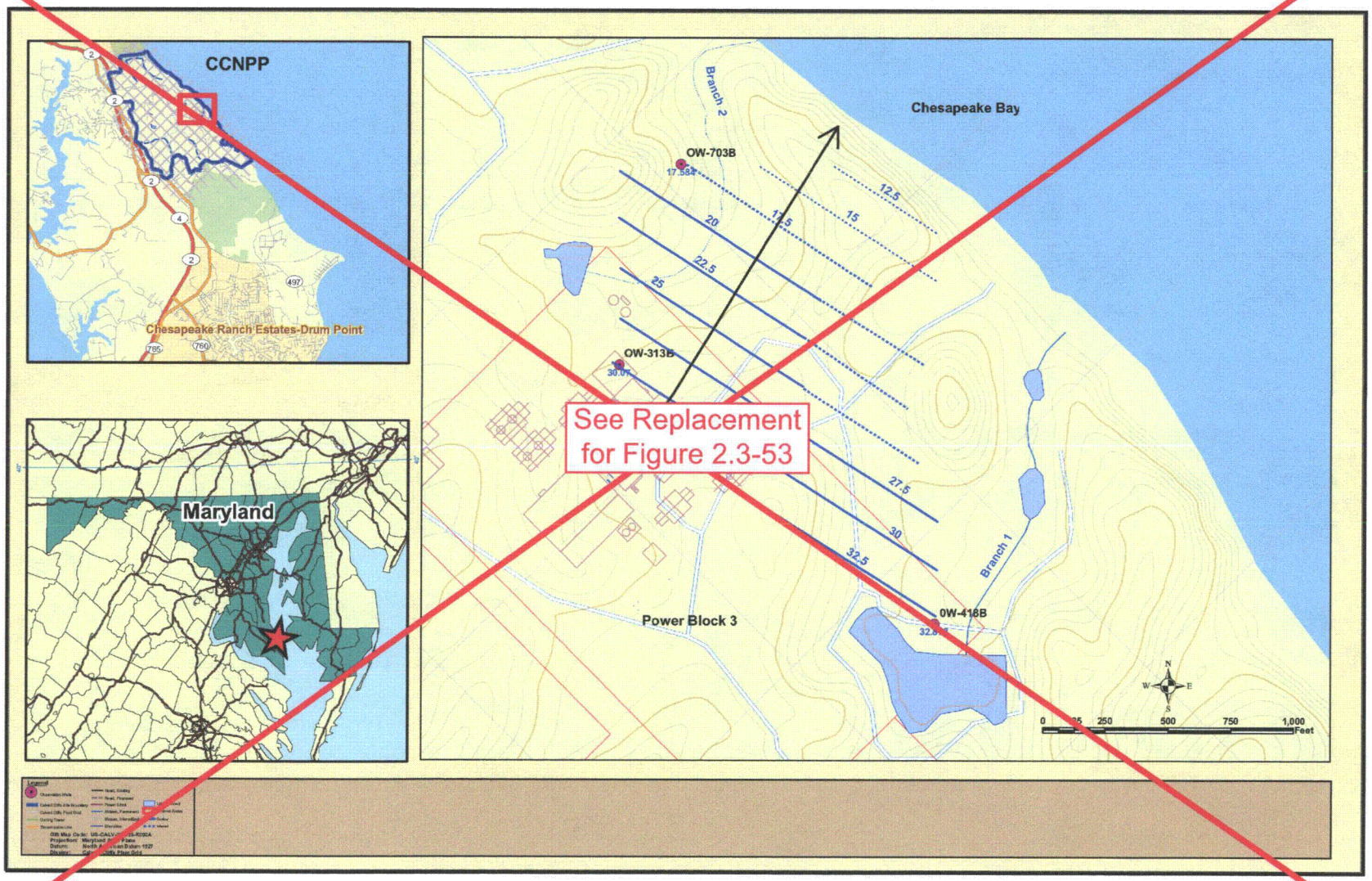


Figure 2.3-53—Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, September 2006



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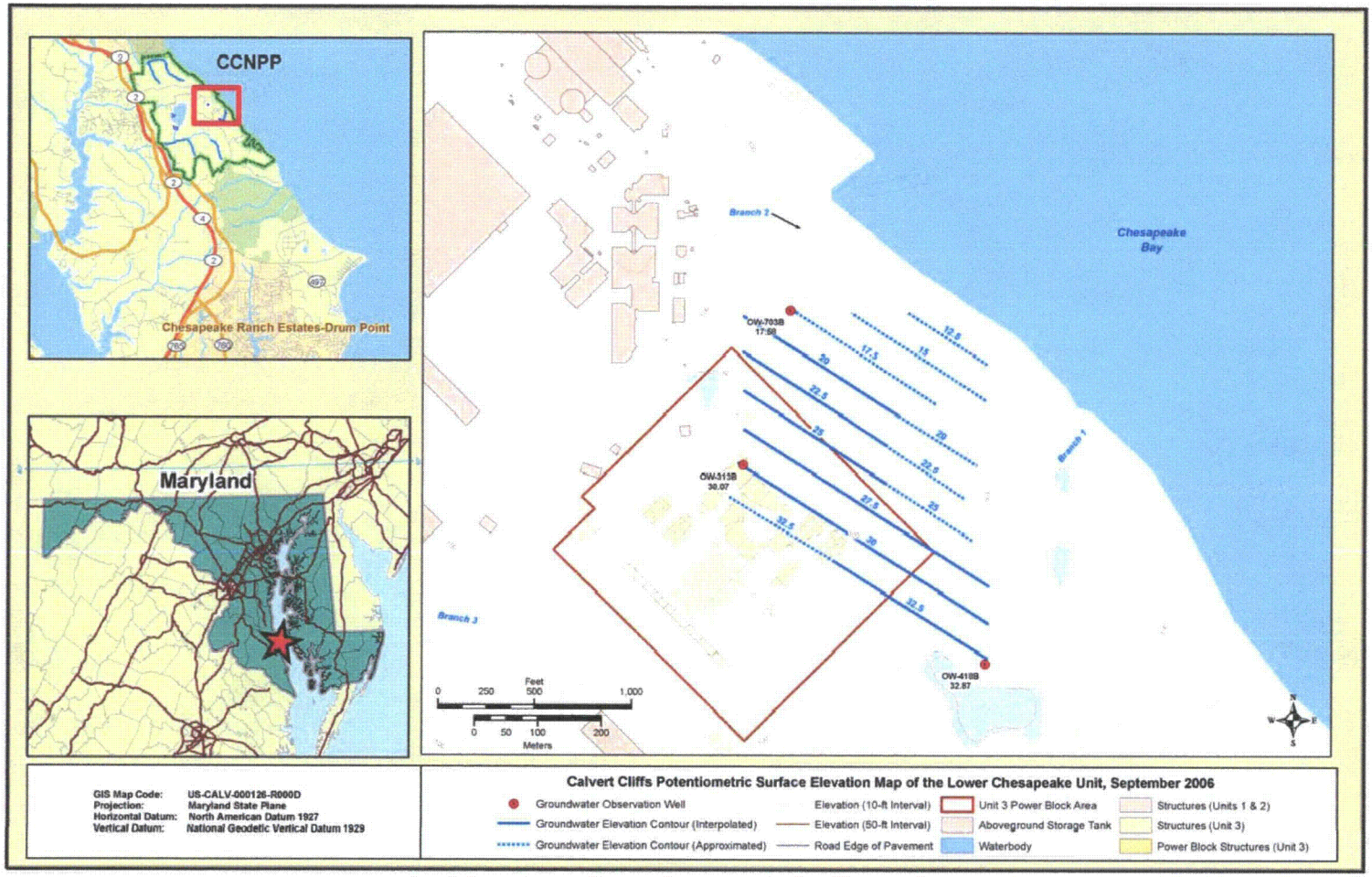
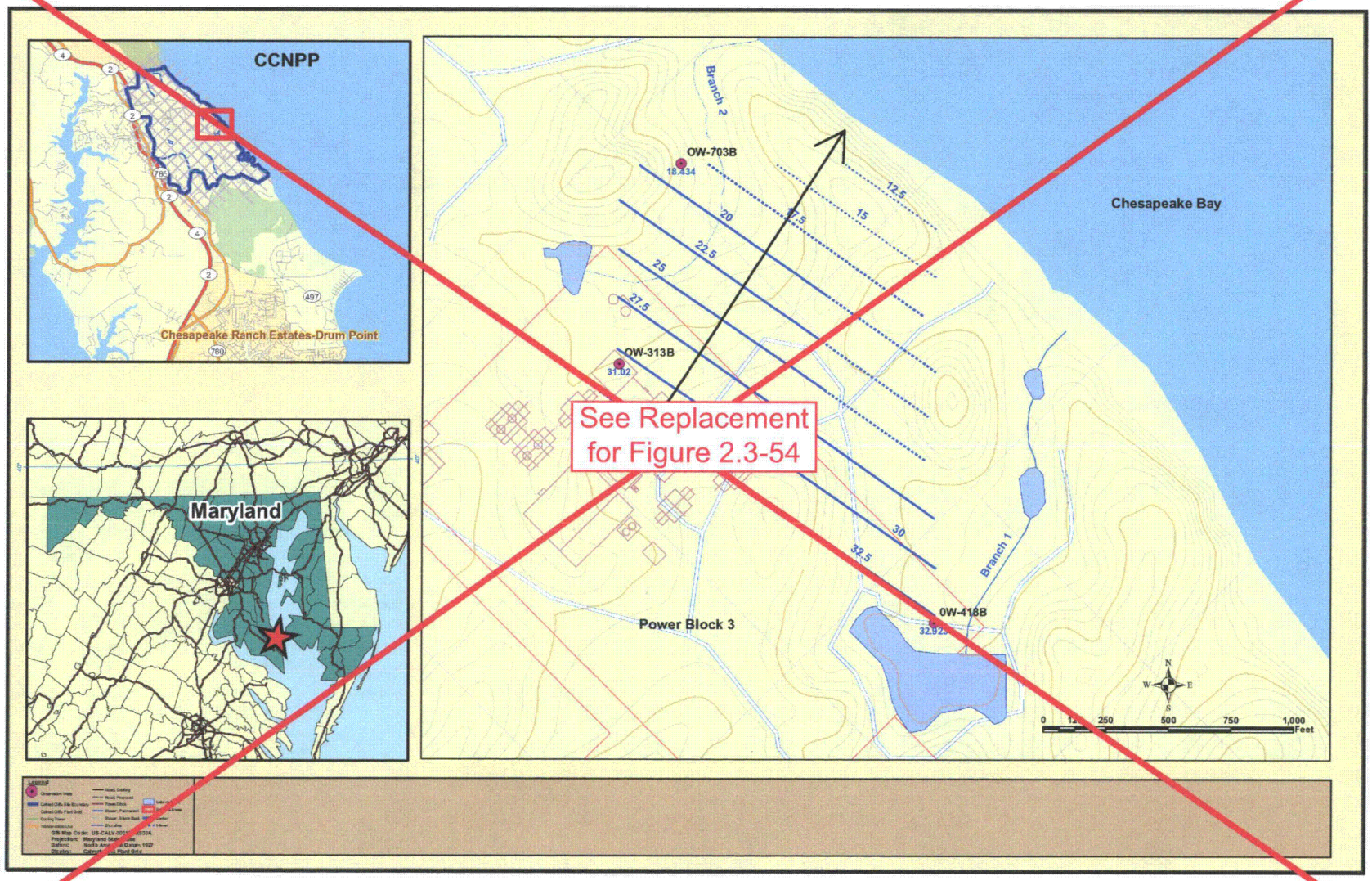


Figure 2.3-54—Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, December 2006



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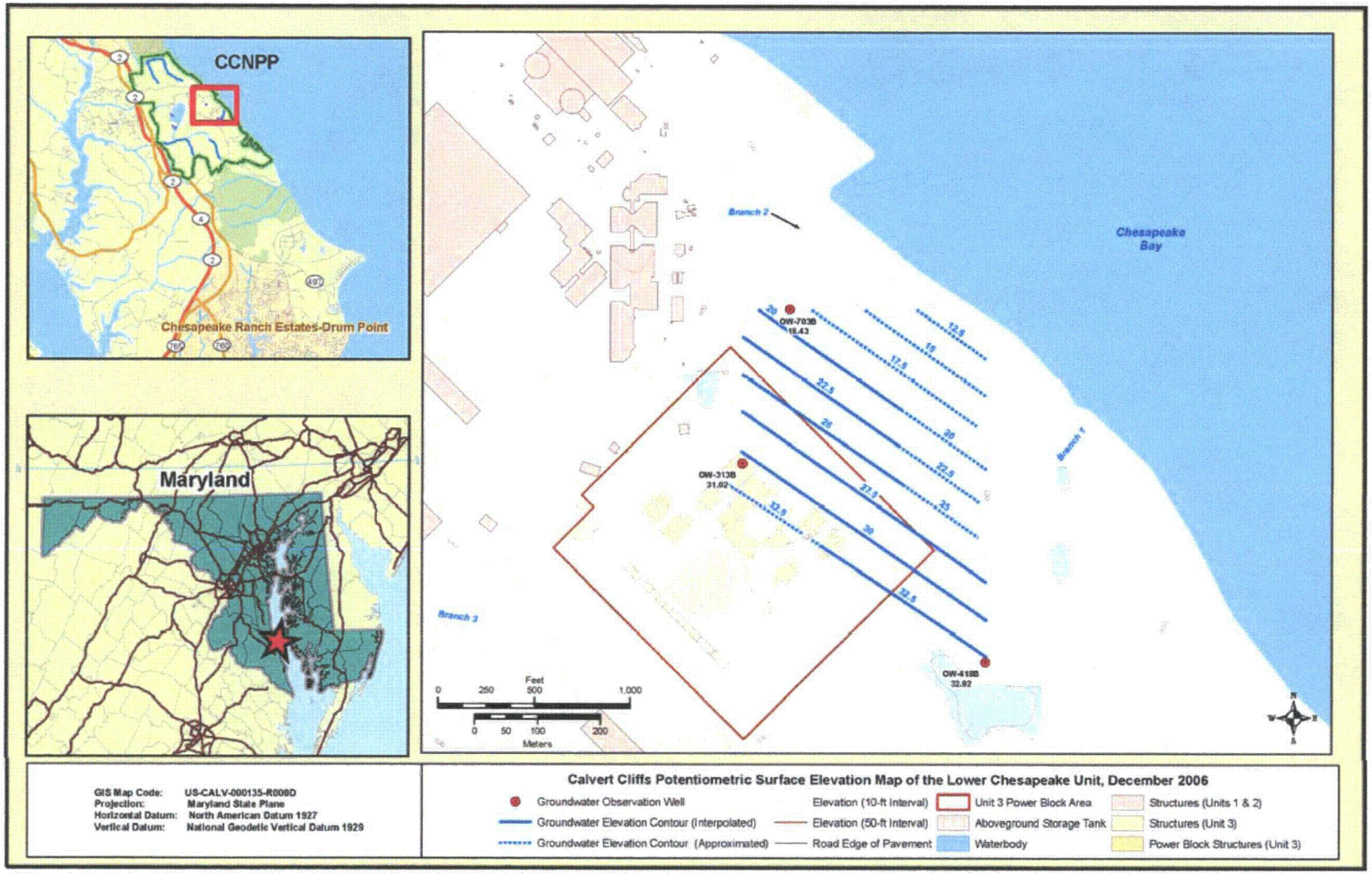
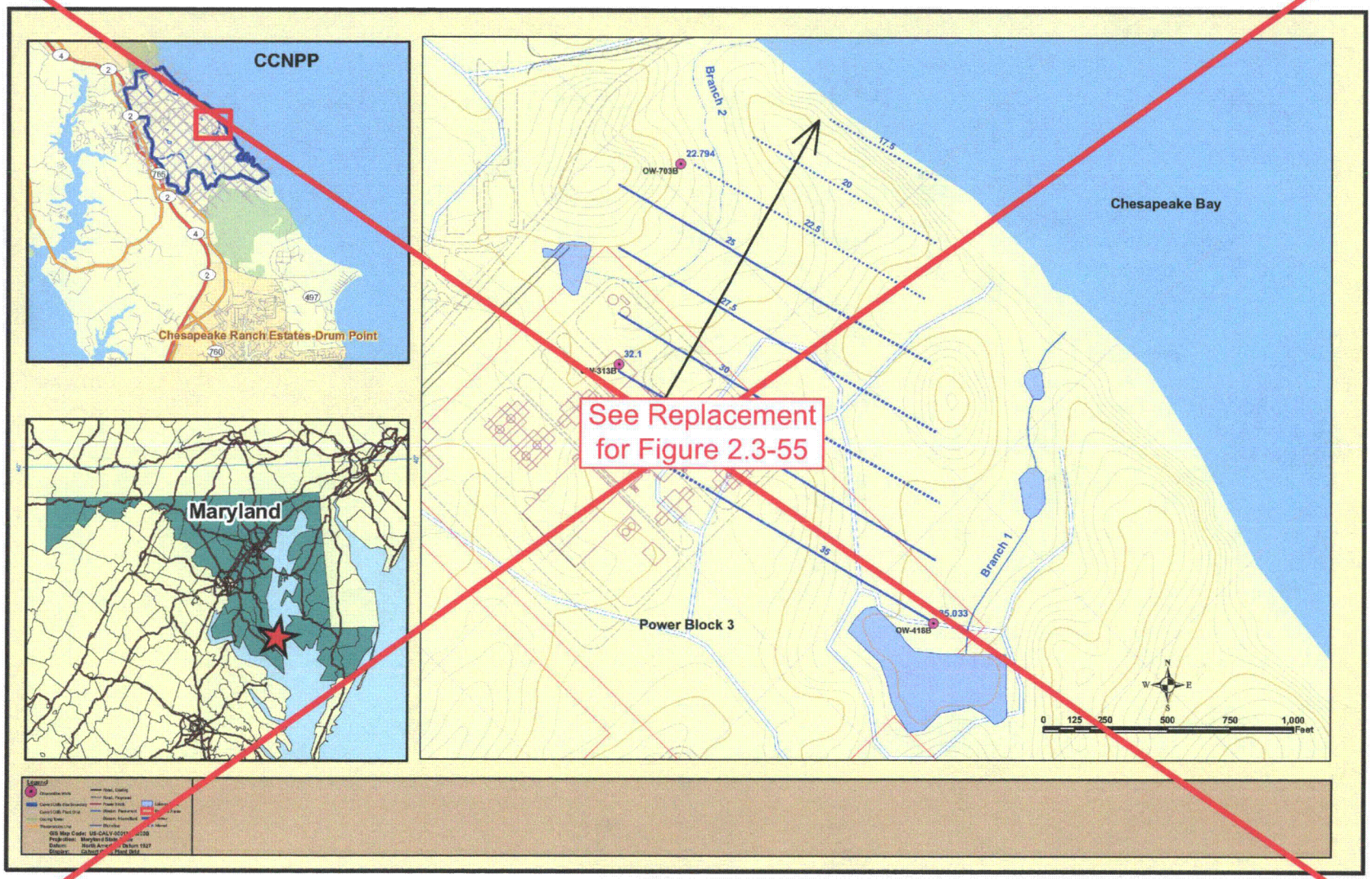


Figure 2.3-55—Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, March 2007



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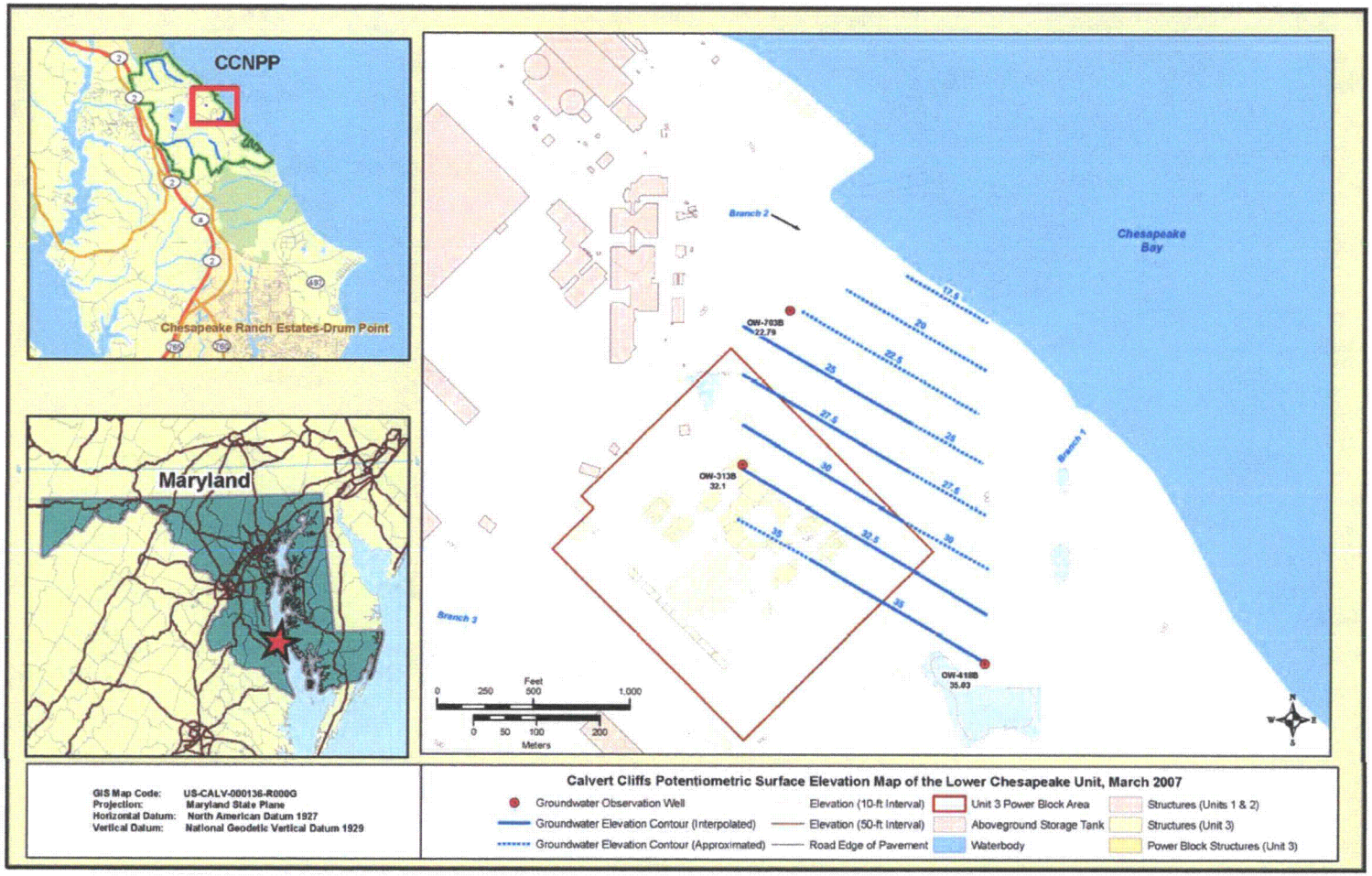

Figure 2.3-58 ~~Schematic Cross Section of Southern Maryland Hydrostratigraphic Units~~ Deleted

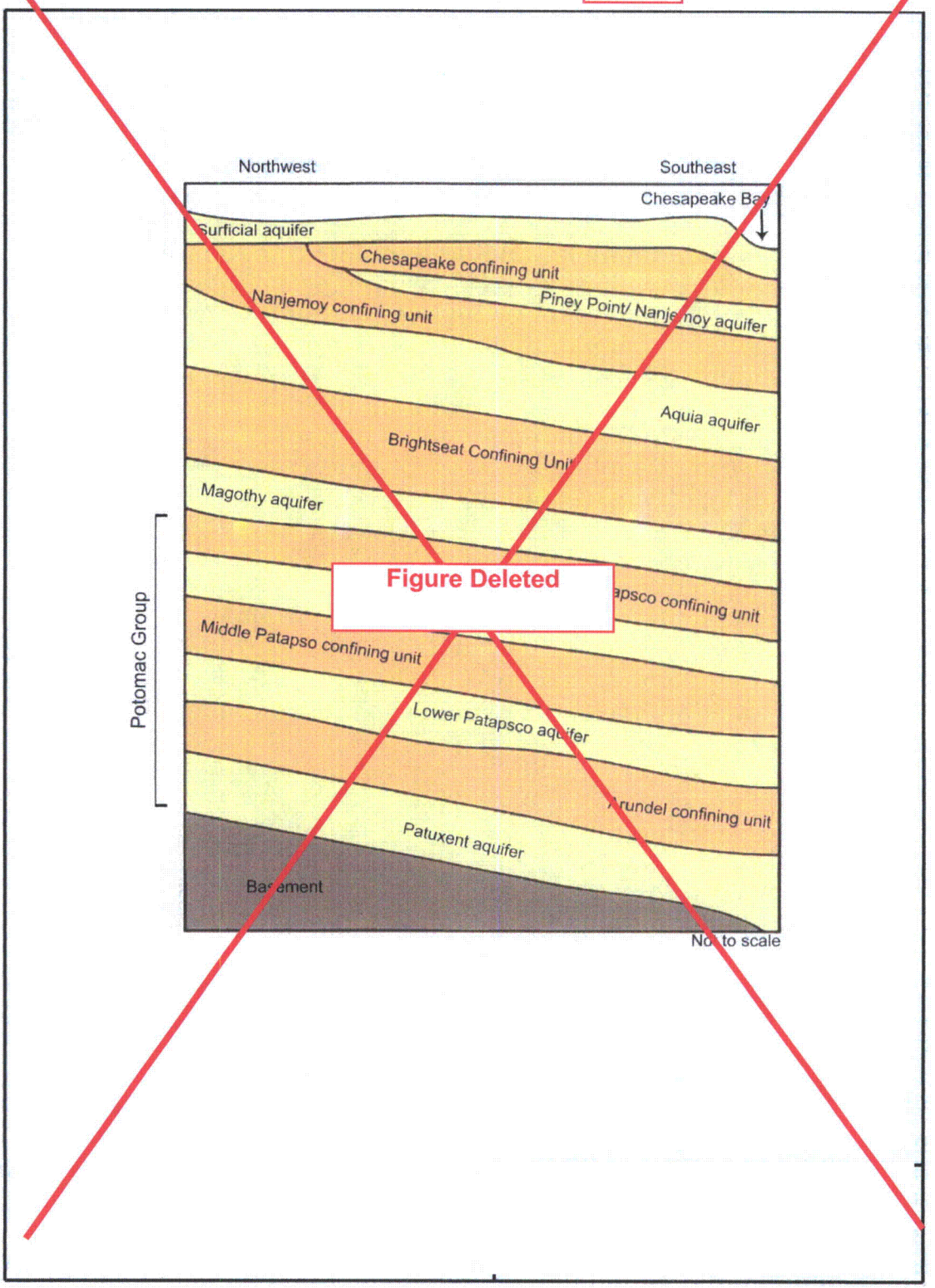

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Figure 2.3-59—~~Groundwater Observation Wells and Cross Section Locations in the Vicinity of CCNP Unit 3~~

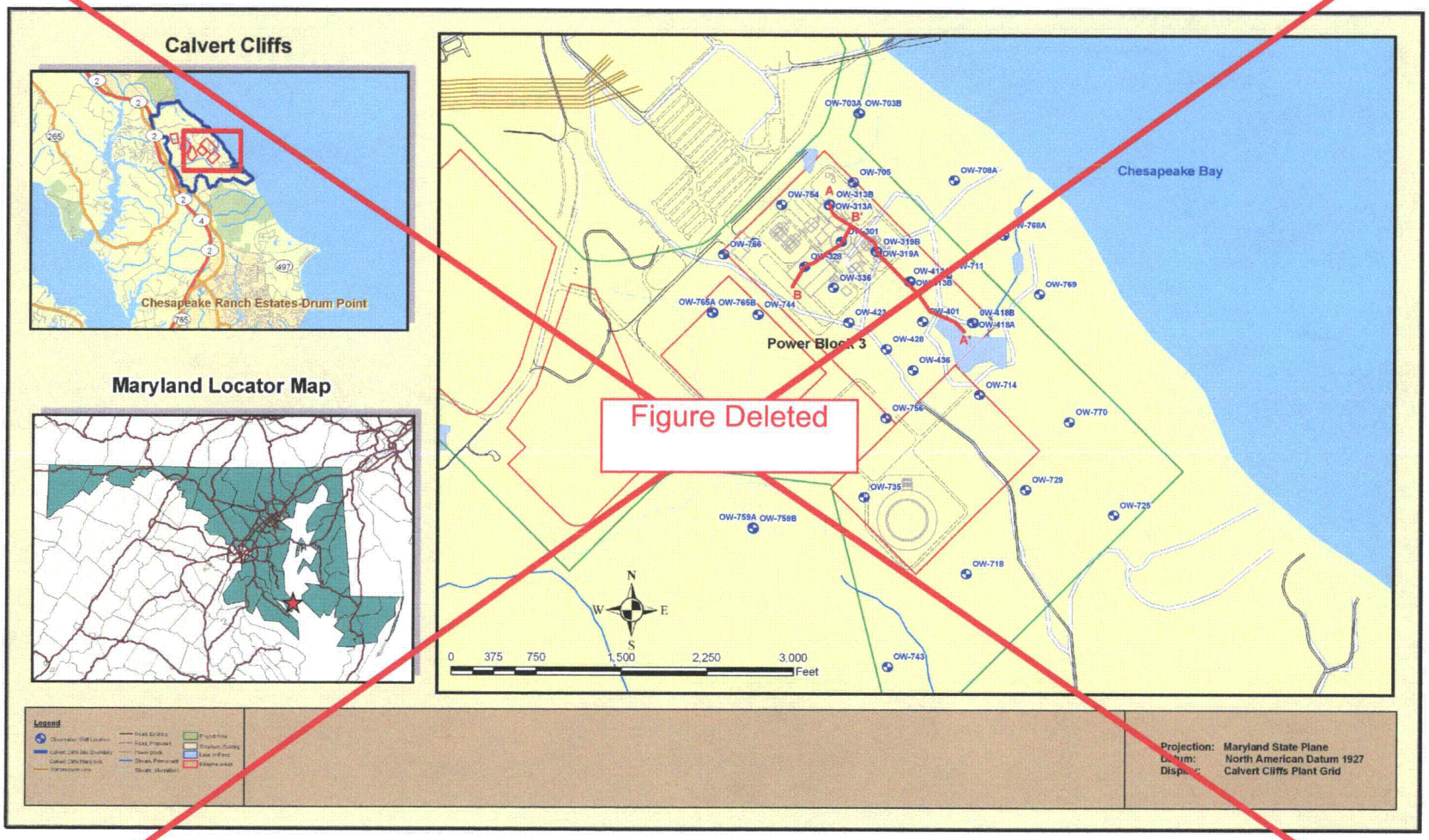

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Figure 2.3-60—~~Northwest-Southeast Cross Section A-A' through Proposed Unit 3 Power Block Area~~

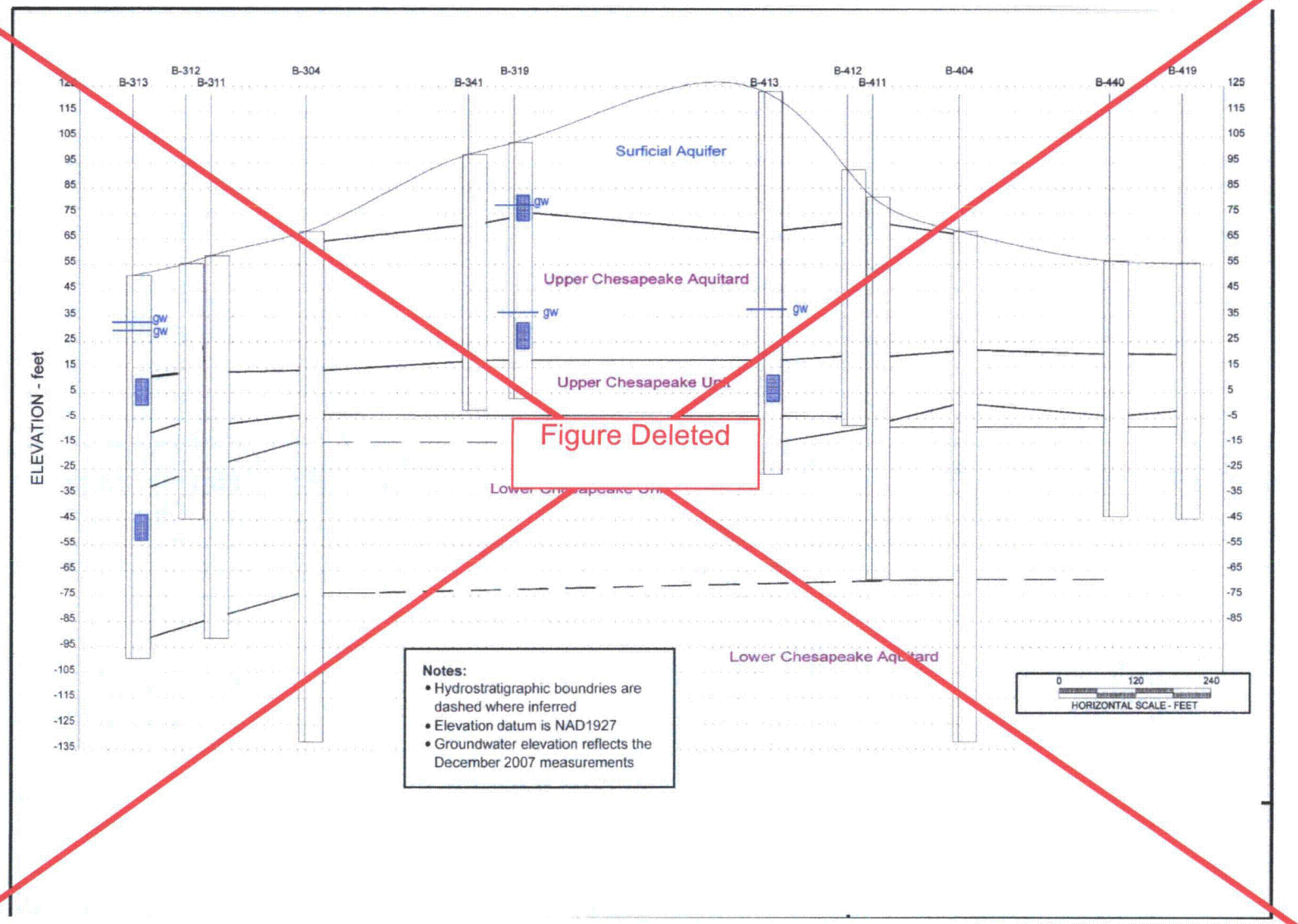

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Figure 2.3-61—Northwest-Southeast Cross Section B-B' through Proposed Unit 3 Power Block Area

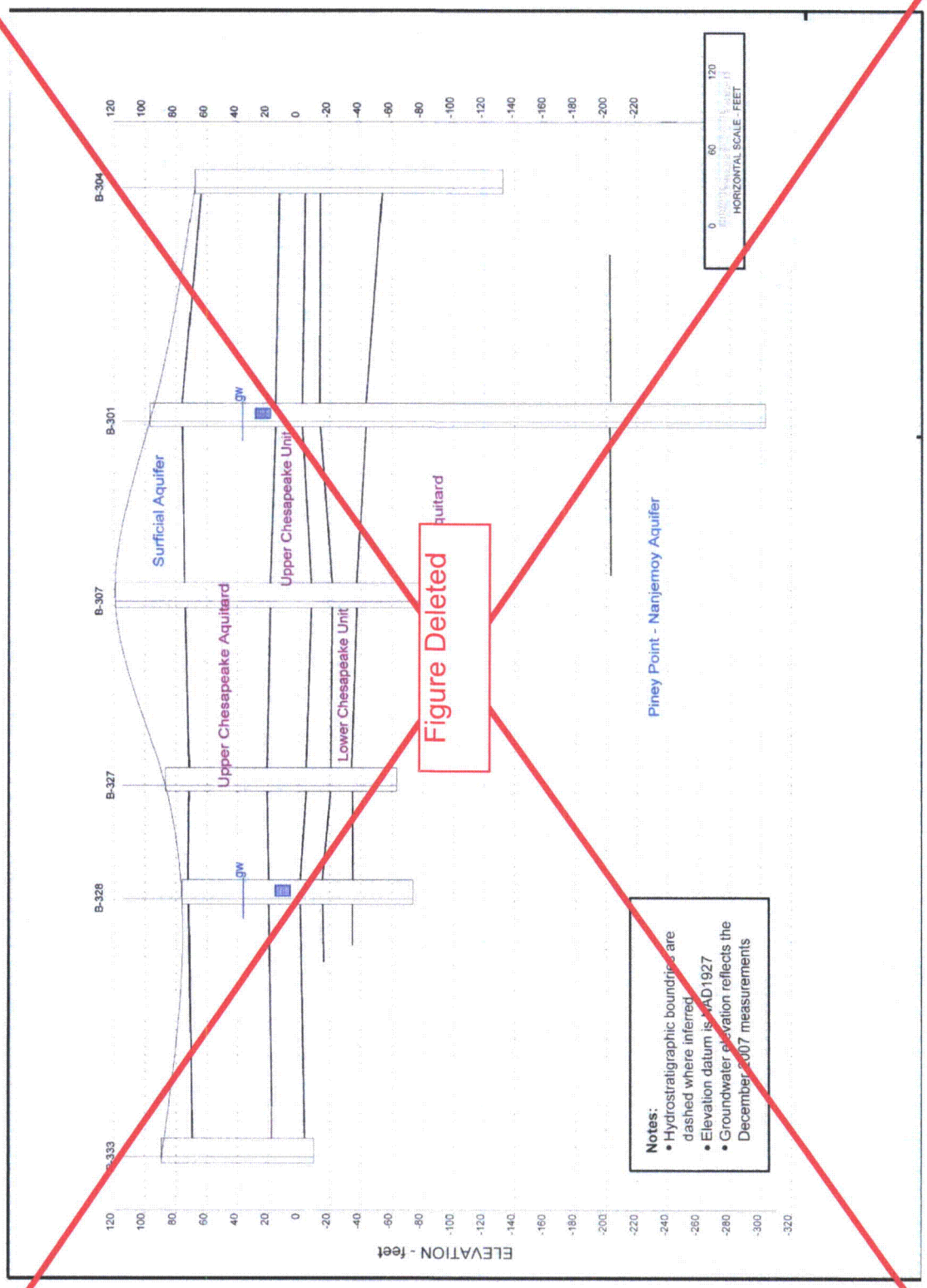

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Figure 2.3-62—~~Potentiometric Surface of the Aquia Aquifer in Southern Maryland, September 2003~~ Deleted

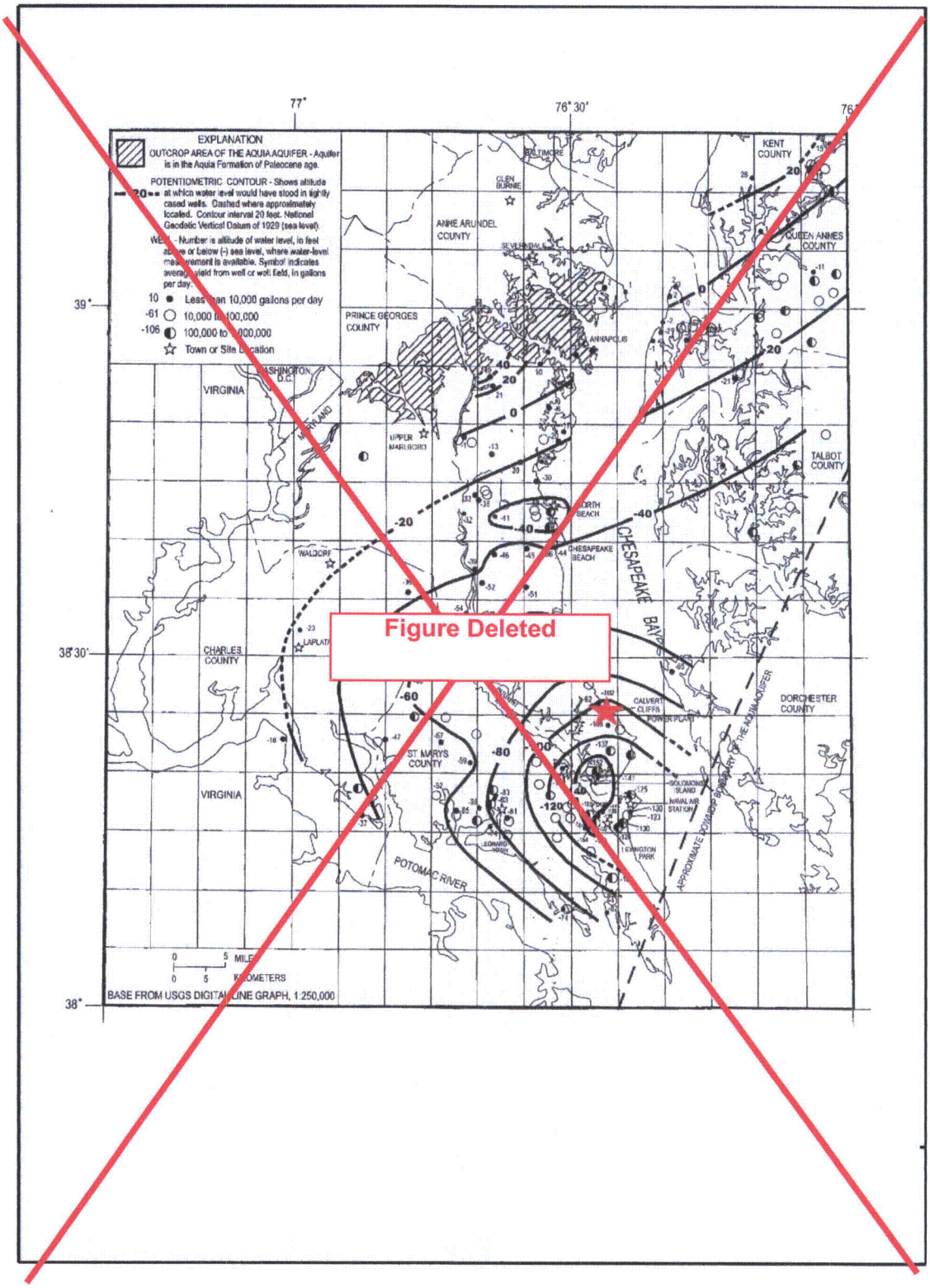

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Figure 2.3-63—~~Potentiometric Surface of the Magothy Aquifer in Southern Maryland, September 2003~~ Deleted

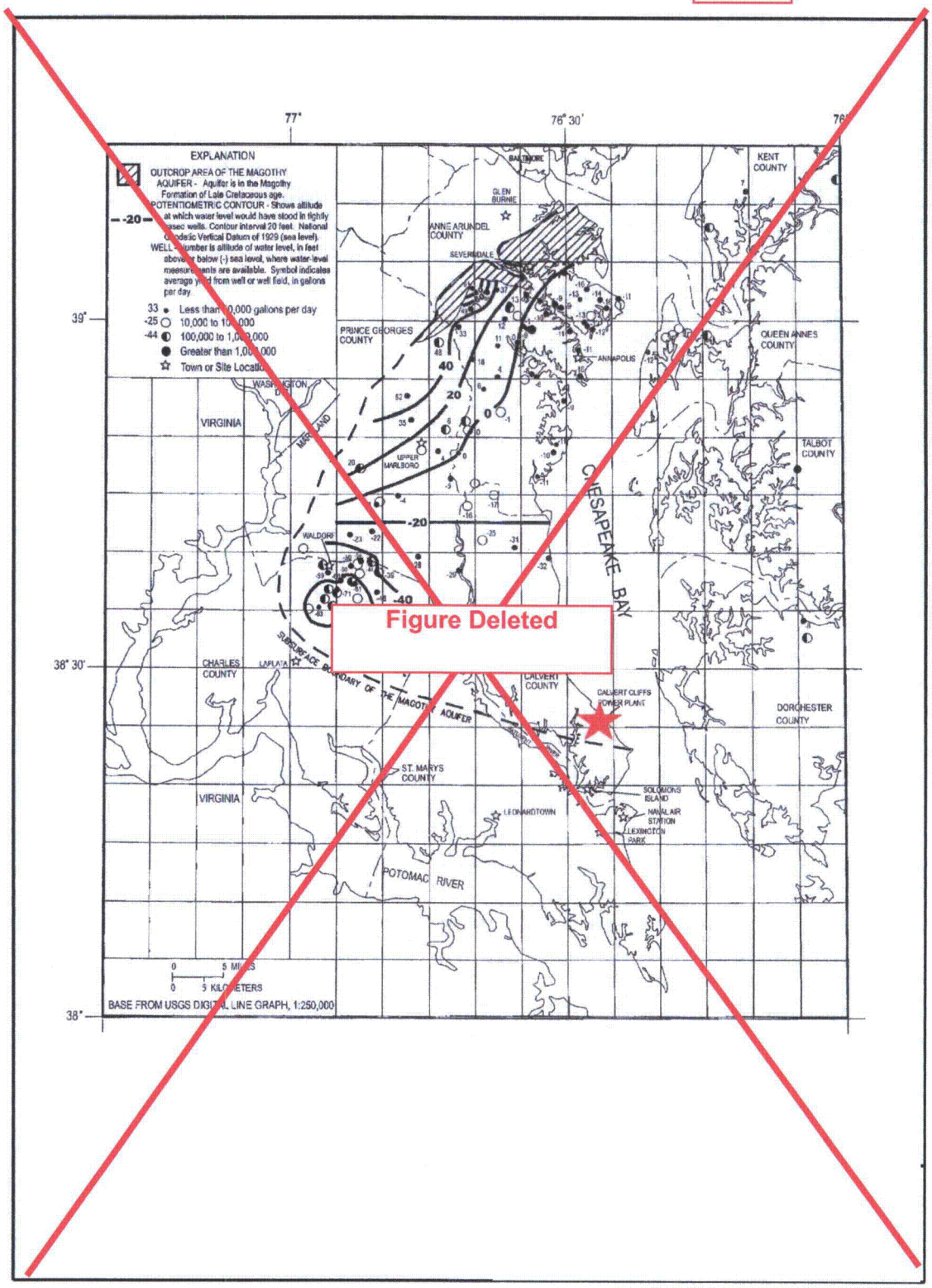

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Figure 2.3-64—~~Potentiometric Surface of the Upper Patapsco Aquifier in Southern Maryland, September 2003~~ Deleted

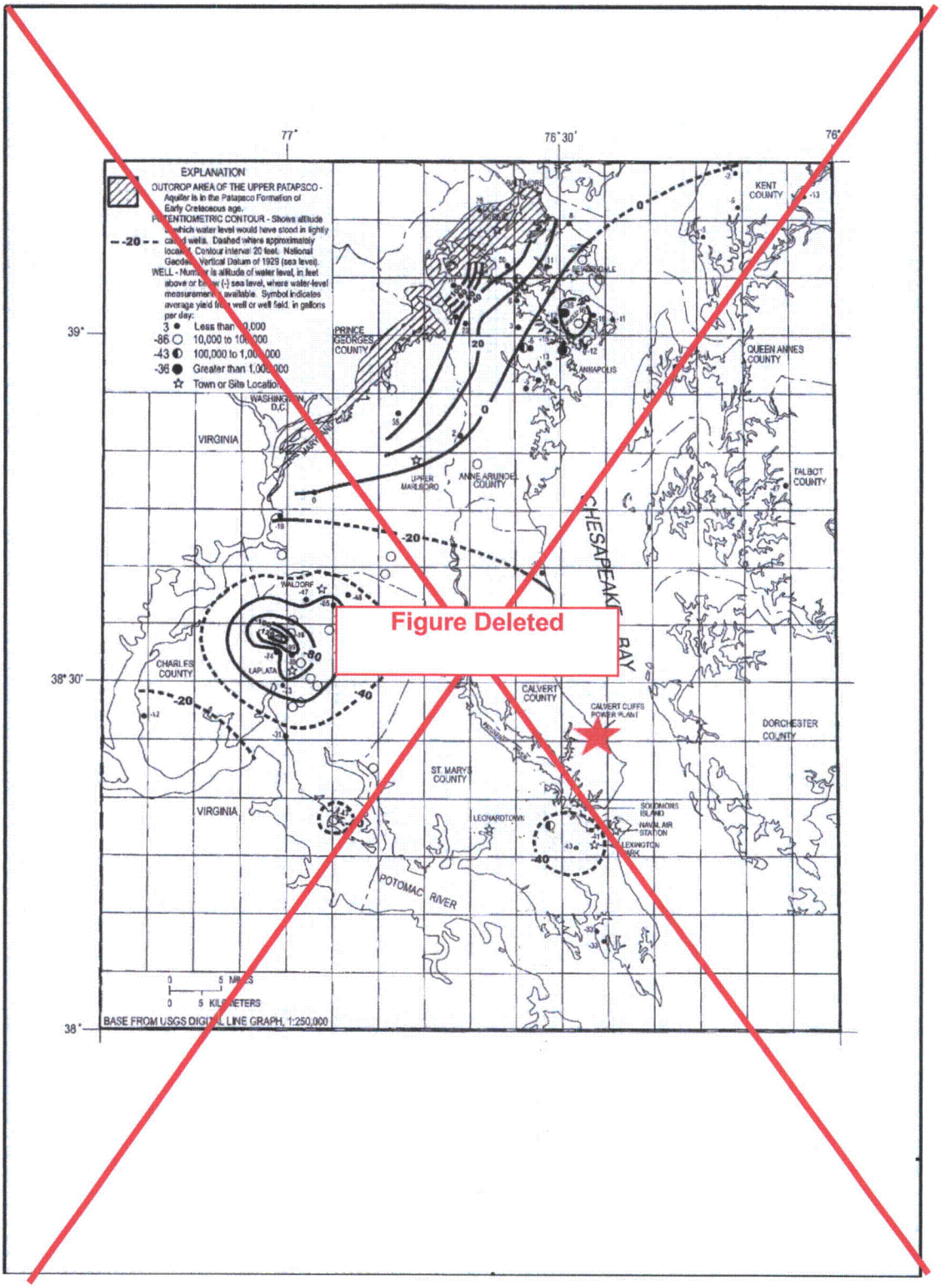

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Figure 2.3-65—~~Potentiometric Surface of the Lower Patapsco Aquifier in Southern Maryland, September 2003~~

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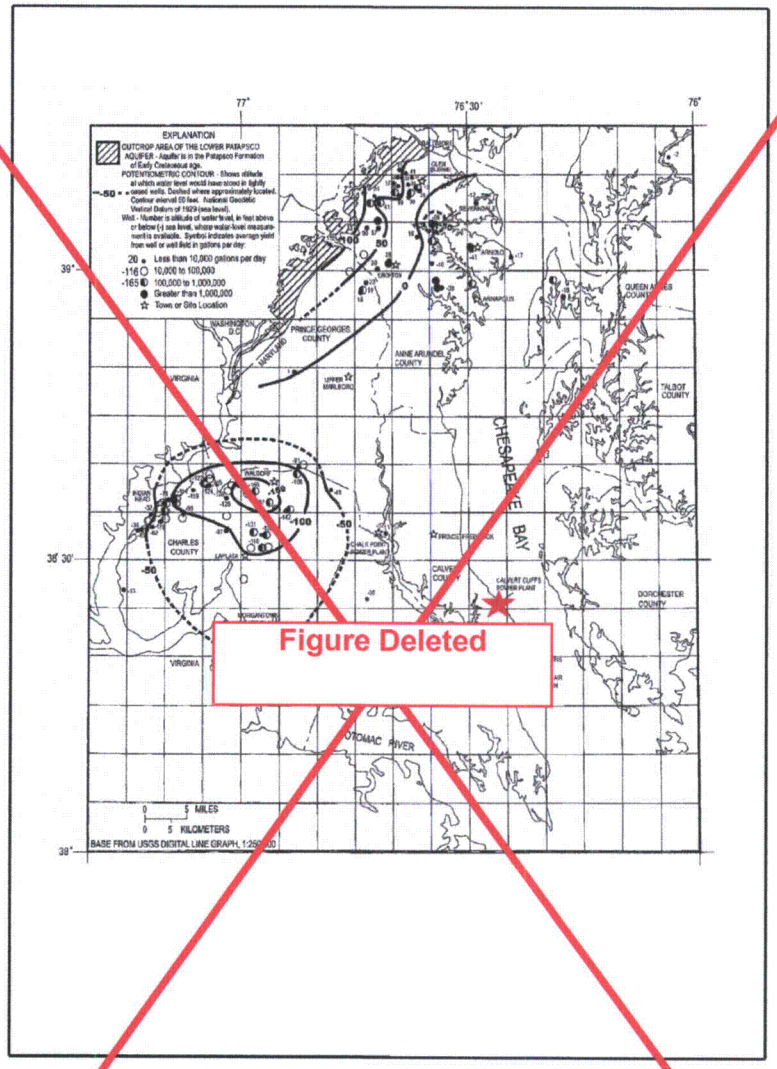

Figure Deleted

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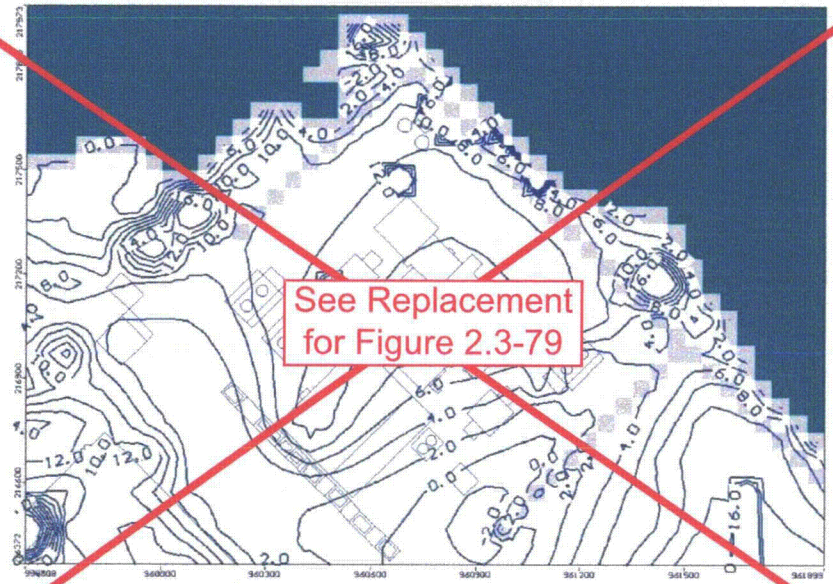
the the Unit 3 Area

Figure 2.3-79—Modeled Post-Construction Depth to ~~Surficial Aquifer~~ Water Table Around Power Block 3



See Replacement for Figure 2.3-79

Note: Units are Feet below grade level

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Replacement for Figure 2.3-79

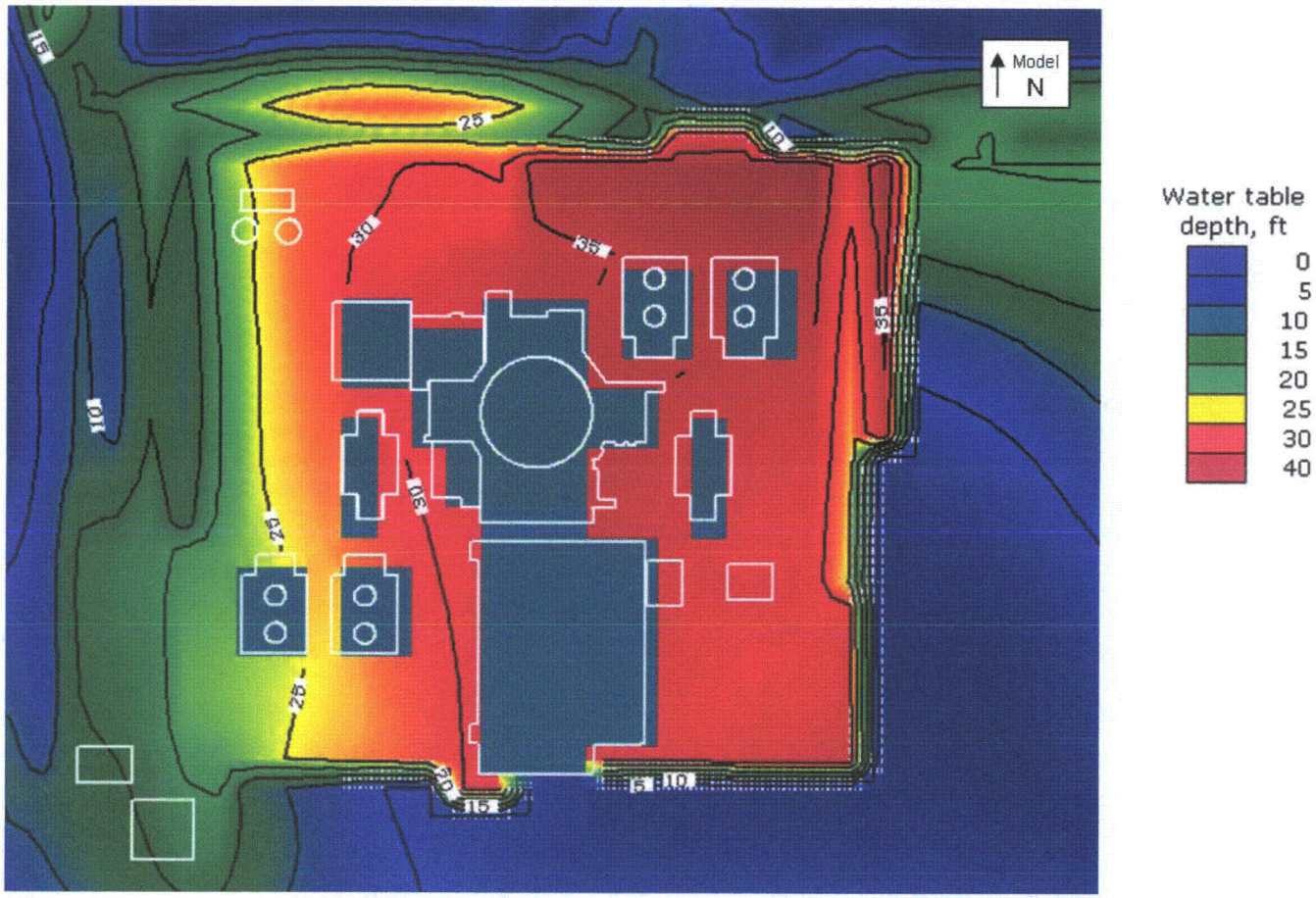
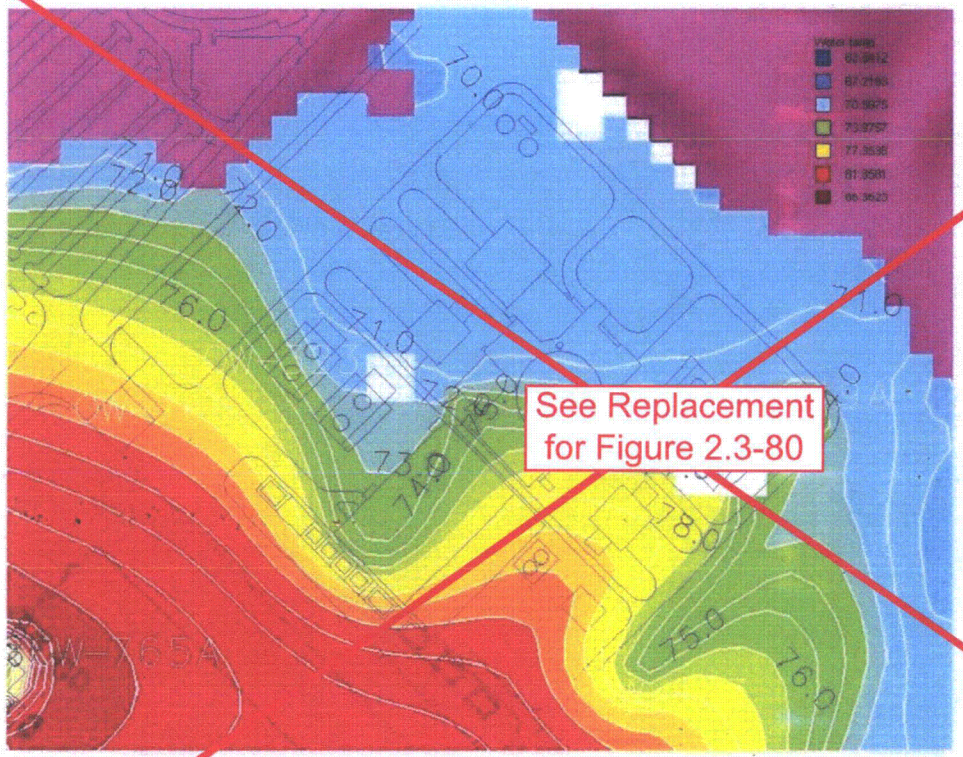


Figure 2.3-80—Modeled Post-Construction Elevation ~~to Surficial Aquifer~~ of the Water Table Around the Unit 3 Power Block ~~3~~ Area



See Replacement for Figure 2.3-80

Notes:

1. Contours are in Feet msl
2. Water Table is below base of the Surficial Aquifer at cells shown in "white"

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Replacement for Figure 2.3-80

Figure 2.3-86 – {Water Table Elevation Map for the Surficial Aquifer, June 2007}

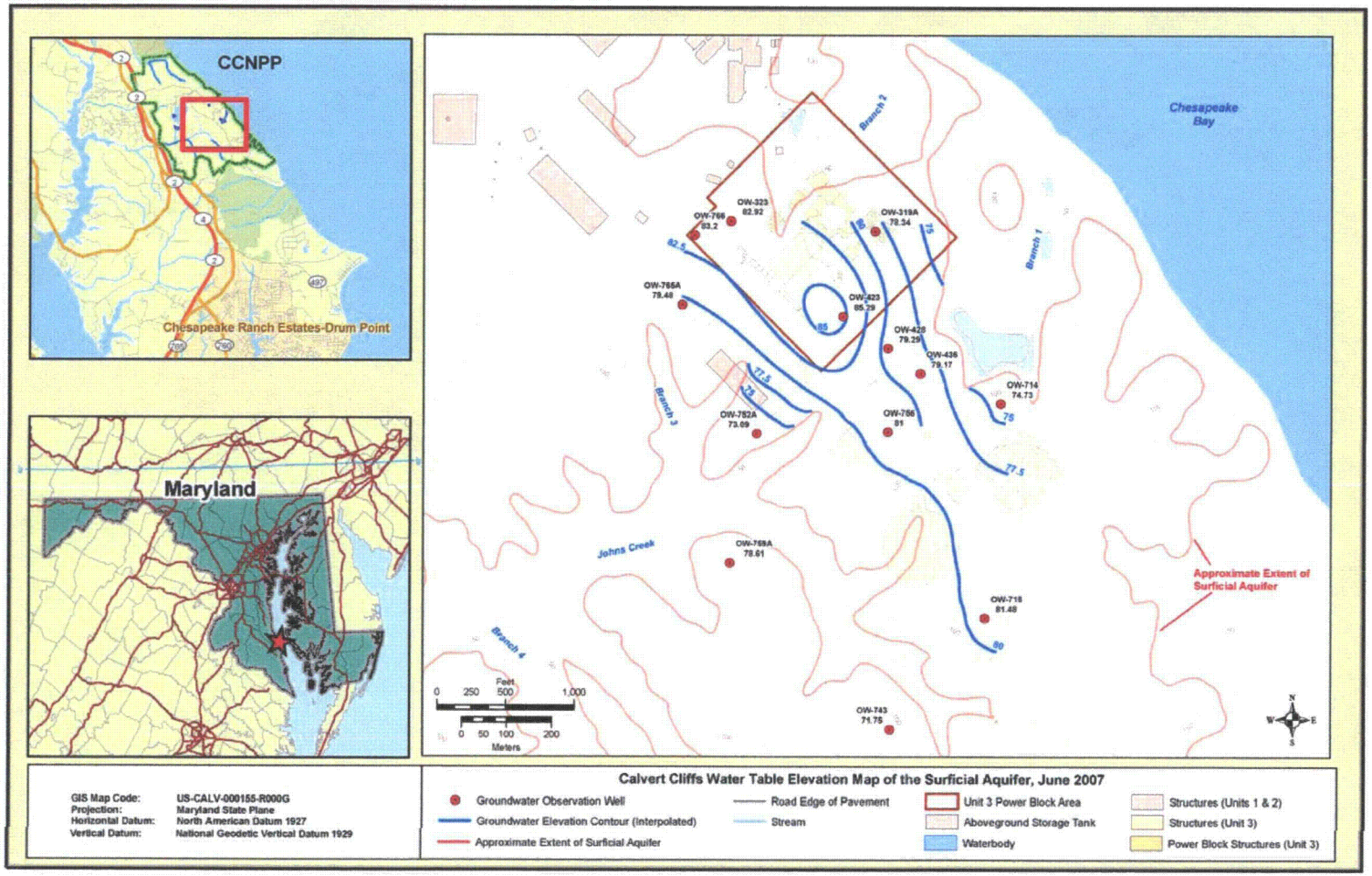

Figure 2.3-87 – {Water Table Elevation Map for the Surficial Aquifer, December 2007}

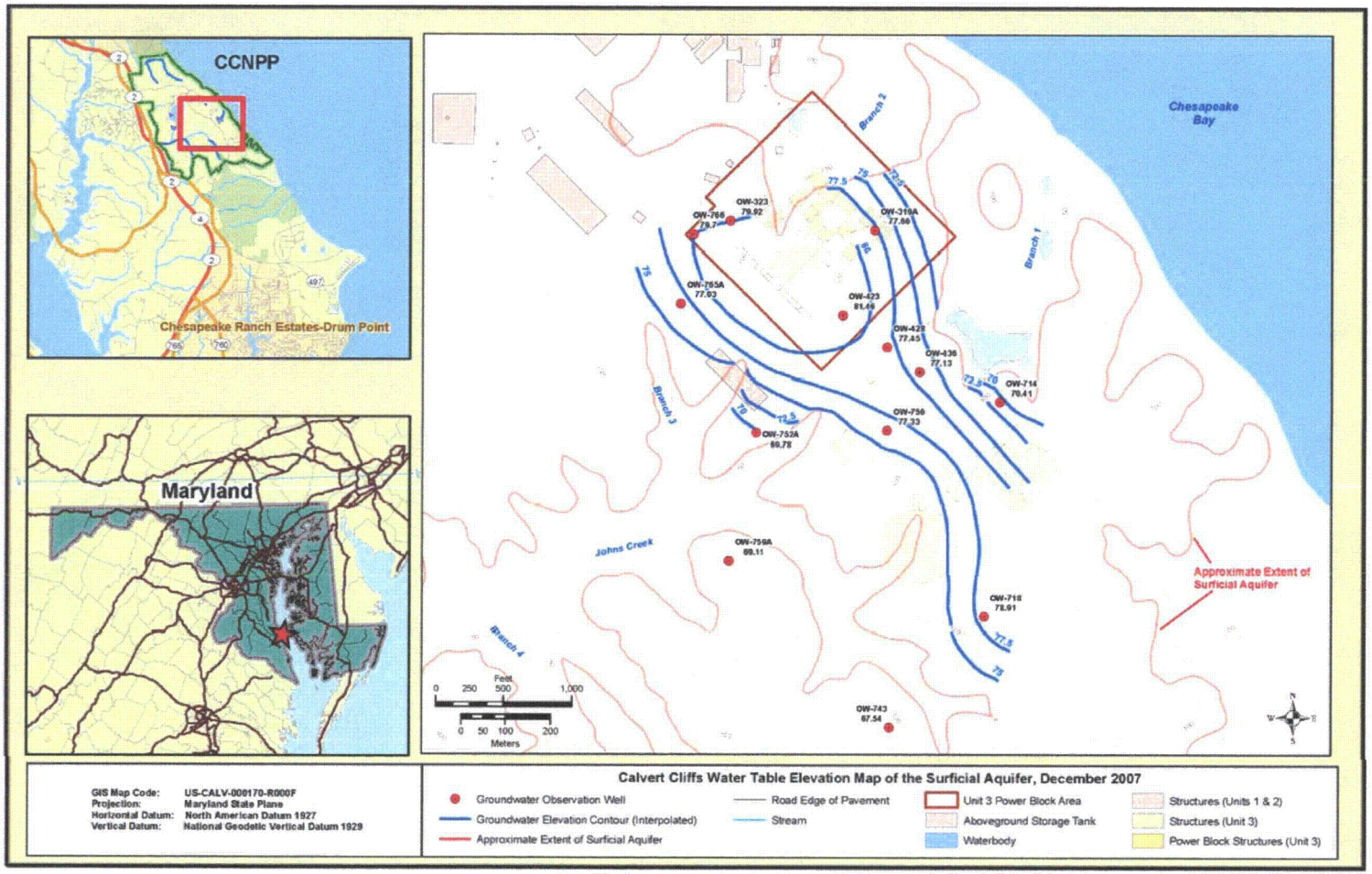

Figure 2.3- 88 – {Water Table Elevation Map for the Surficial Aquifer, July 2008}

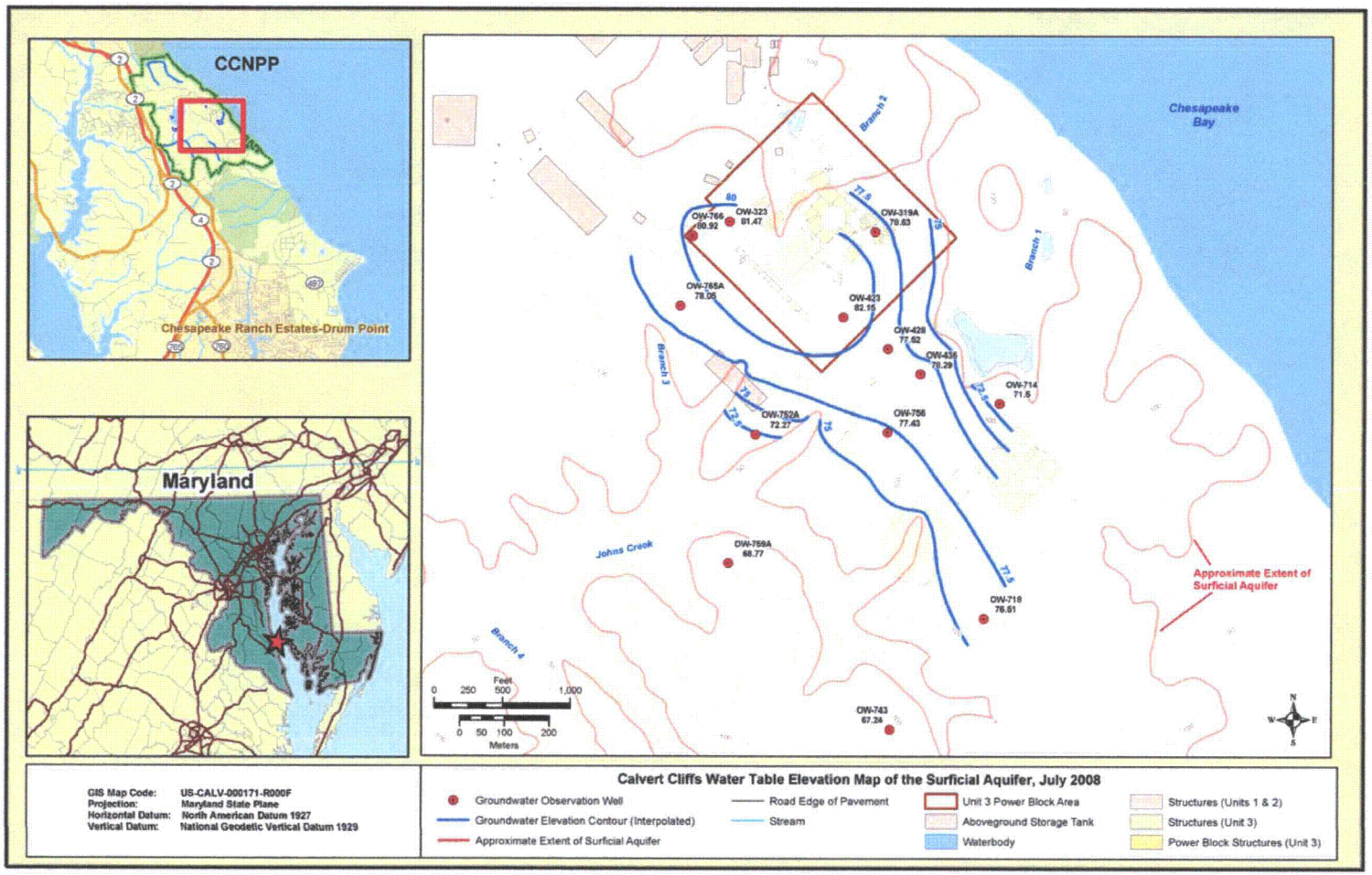

Figure 2.3- 89 – {Water Table Elevation Map for the Surficial Aquifer, January 2009}

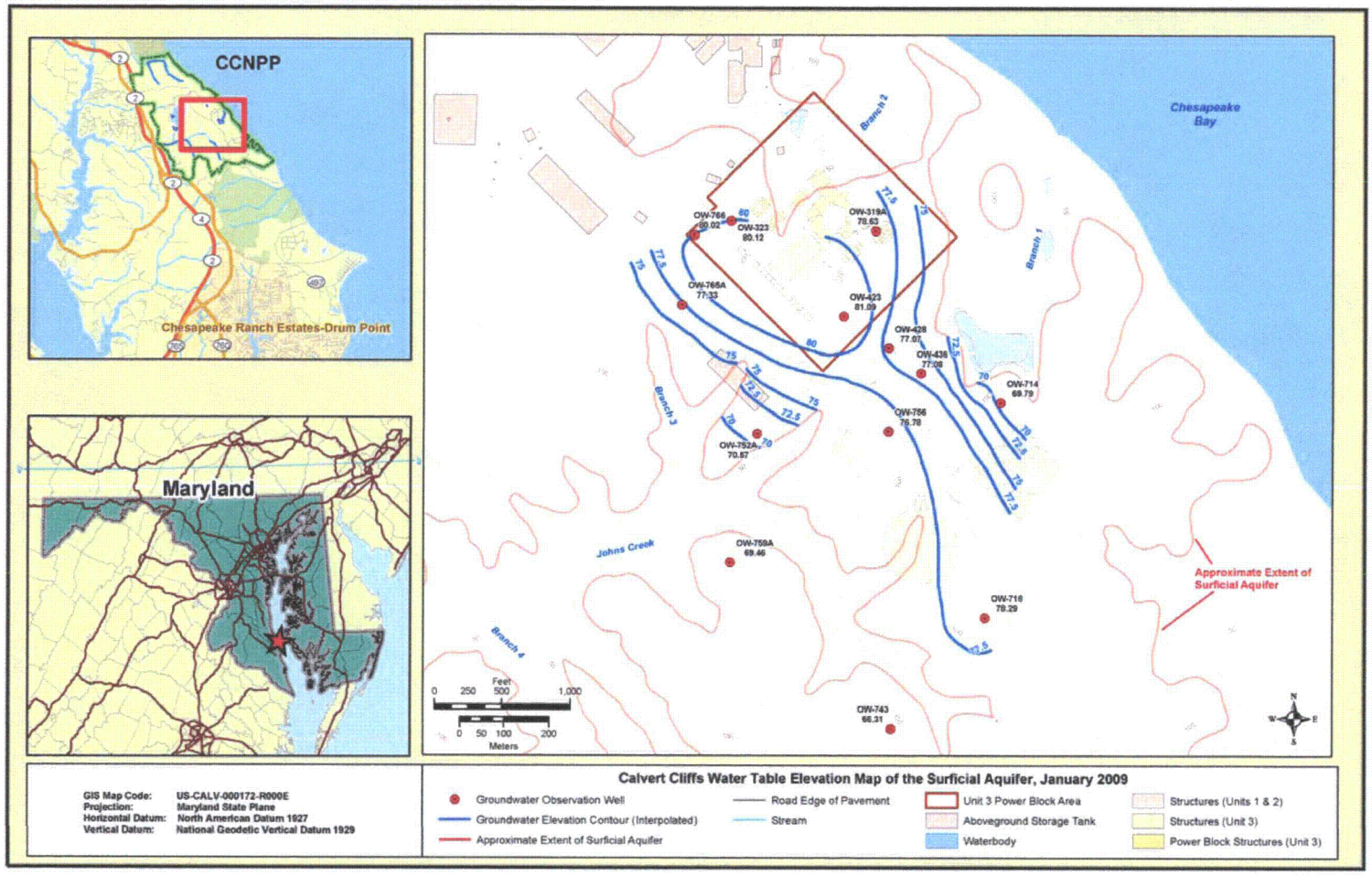

Figure 2.3- 90 – {Water Table Elevation Map for the Surficial Aquifer, July 2009}

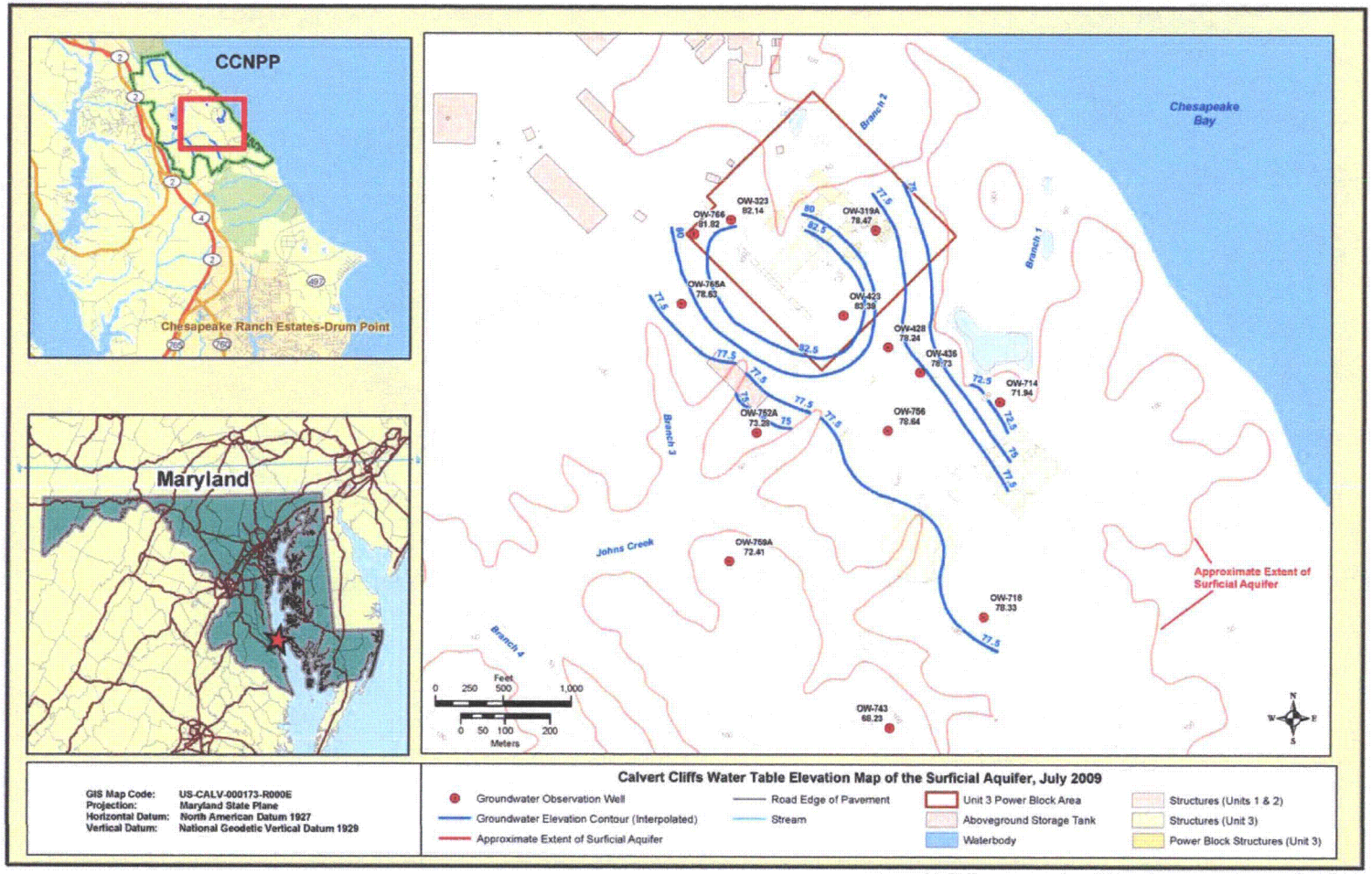

Figure 2.3- 91 – {Potentiometric Surface Elevation Map for the Upper Chesapeake Unit, June 2007}

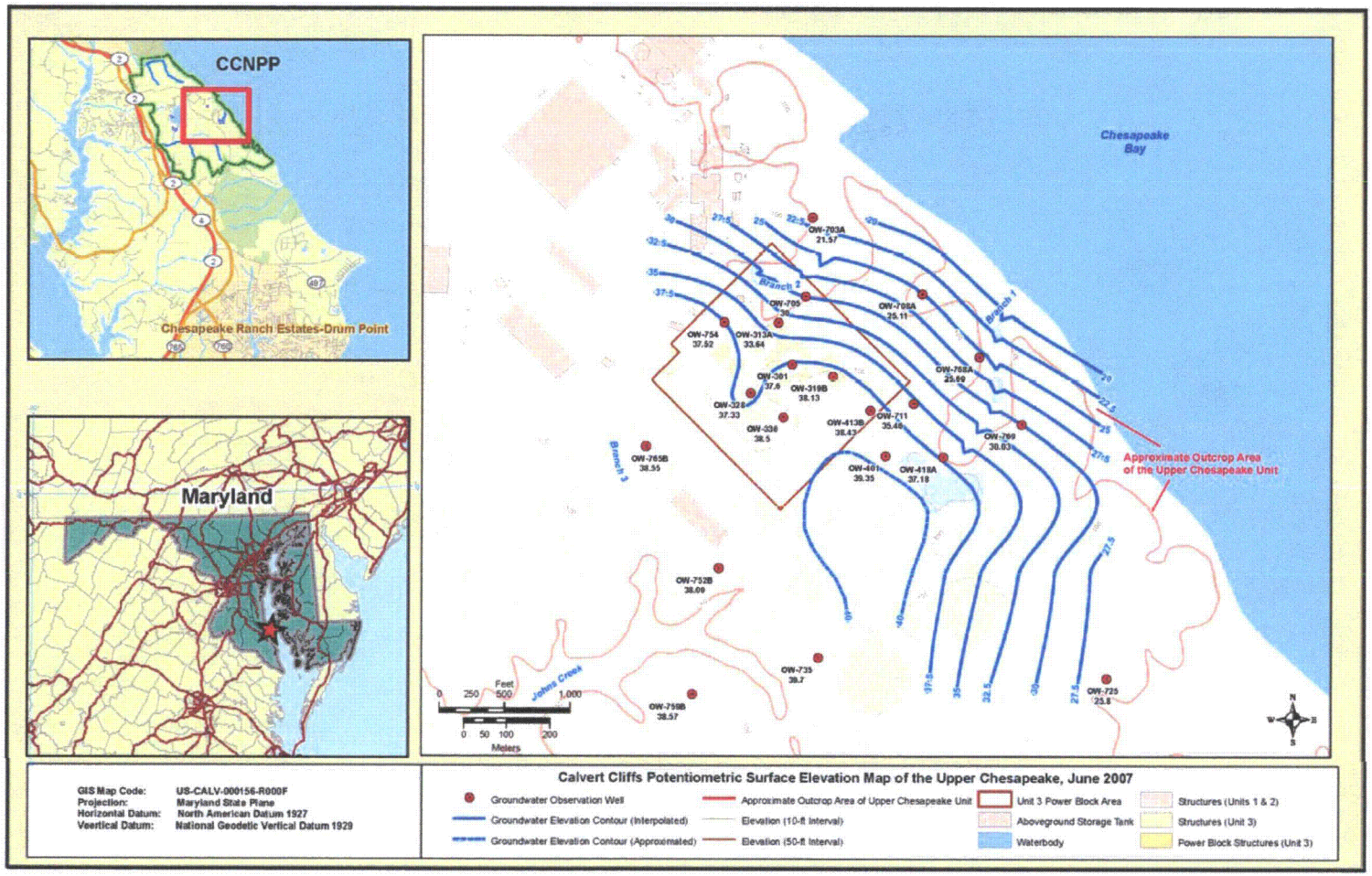

Figure 2.3- 92 – {Potentiometric Surface Elevation Map for the Upper Chesapeake Unit, December 2007}

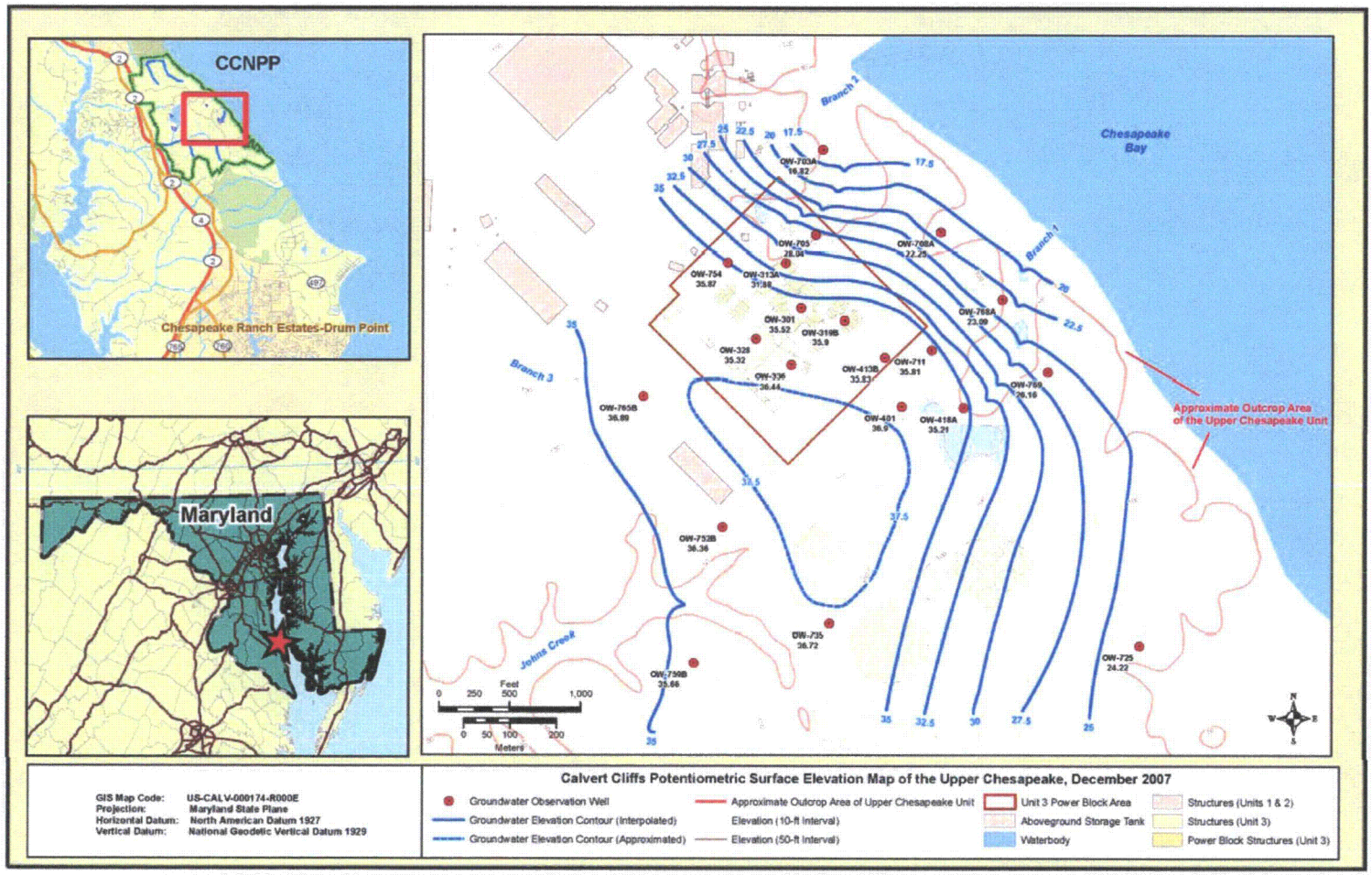

Figure 2.3- 93 – {Potentiometric Surface Elevation Map for the Upper Chesapeake Unit, July 2008}

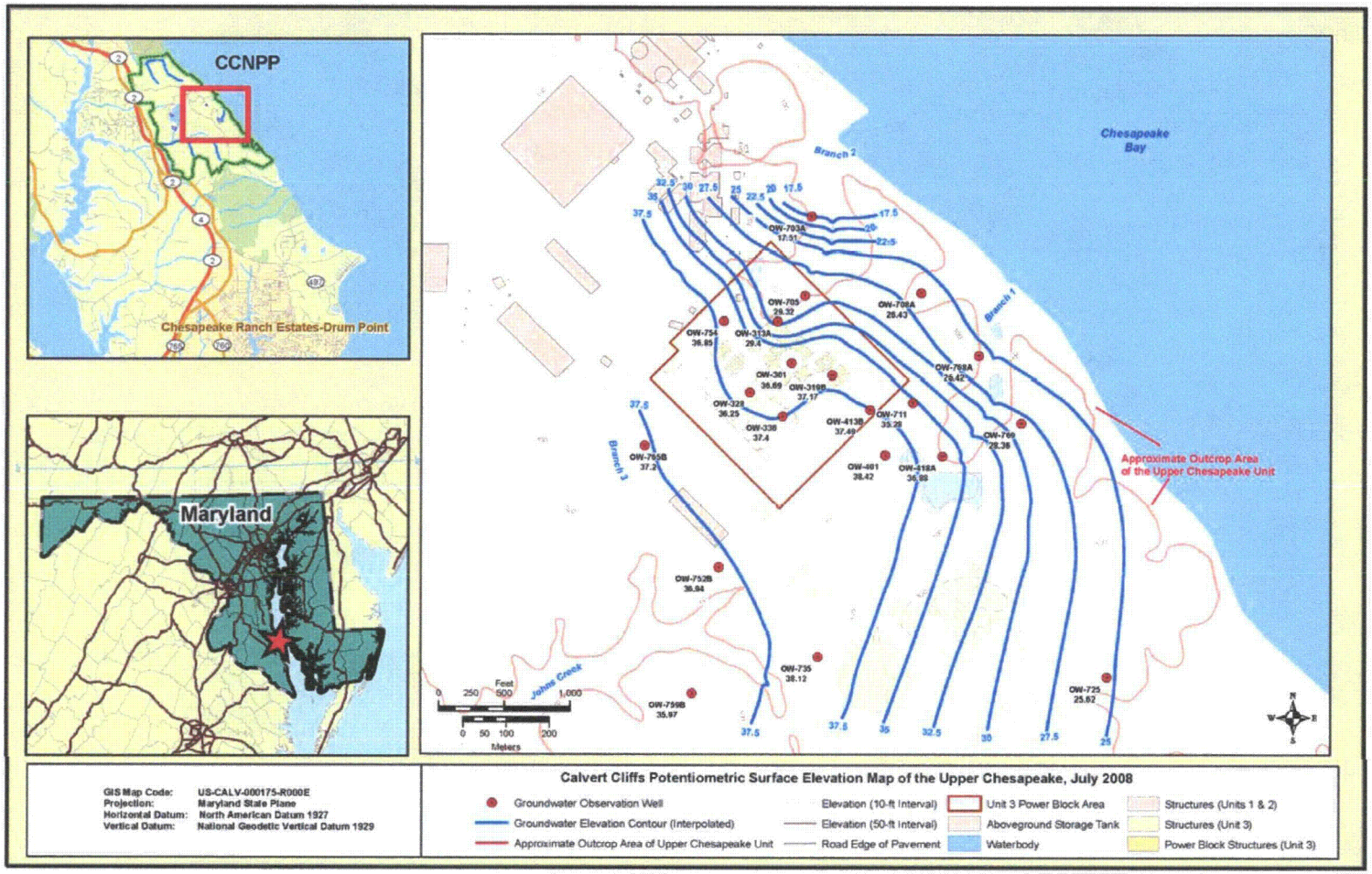

Figure 2.3- 94 – {Potentiometric Surface Elevation Map for the Upper Chesapeake Unit, October 2008}

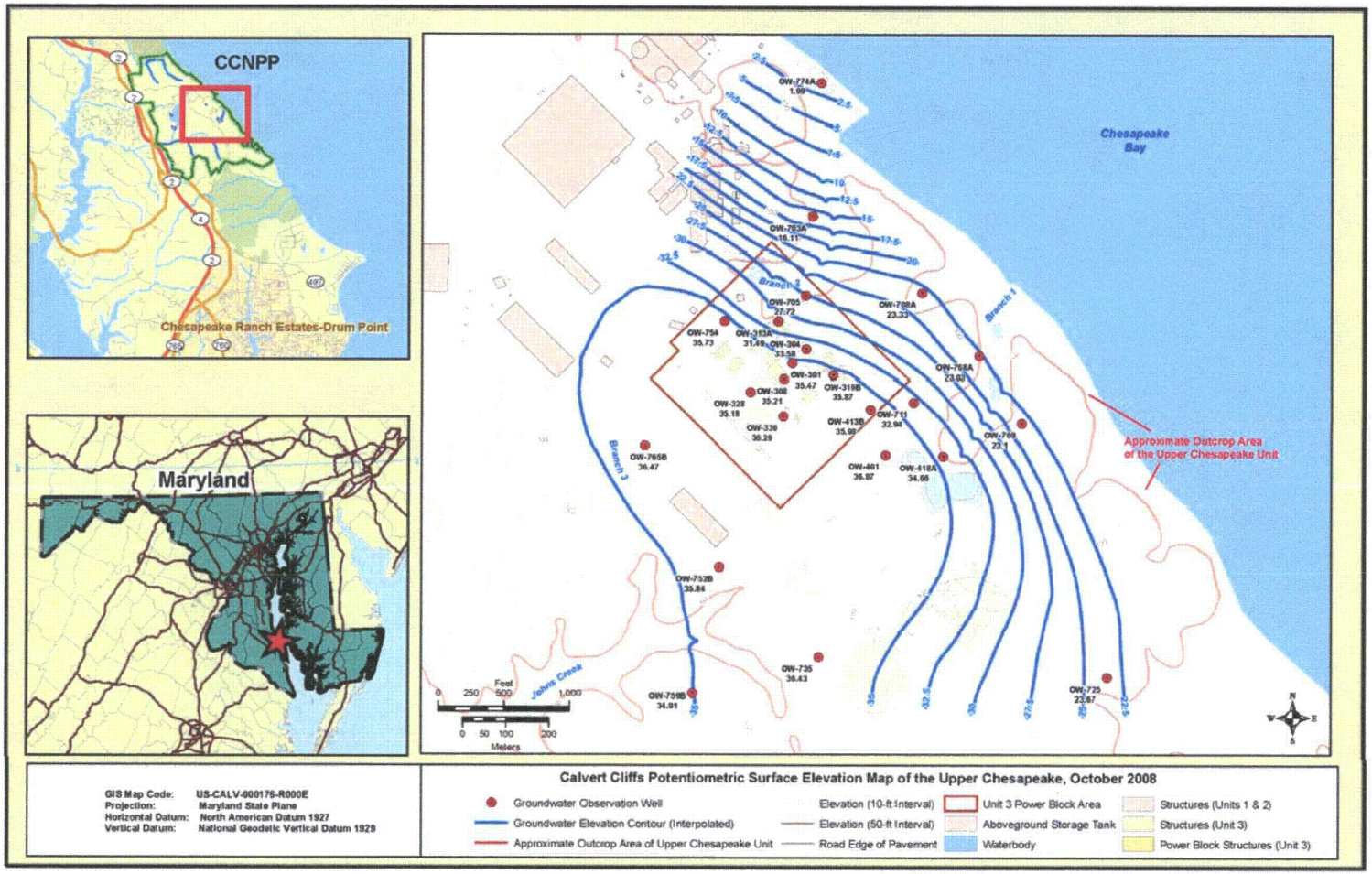

Figure 2.3- 95 – {Potentiometric Surface Elevation Map for the Upper Chesapeake Unit, April 2009}

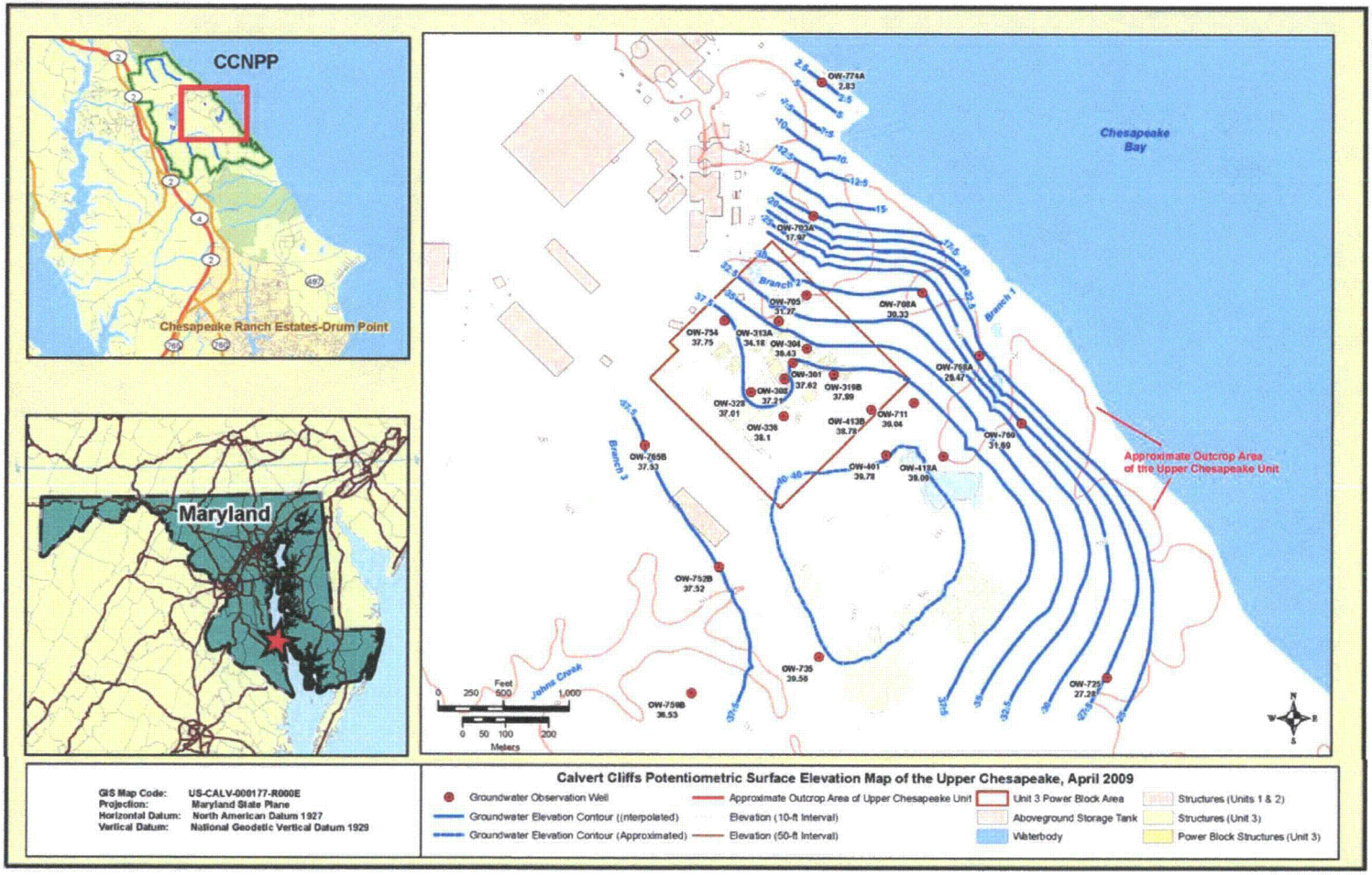

Figure 2.3- 96 – {Potentiometric Surface Elevation Map for the Upper Chesapeake Unit, October 2009}

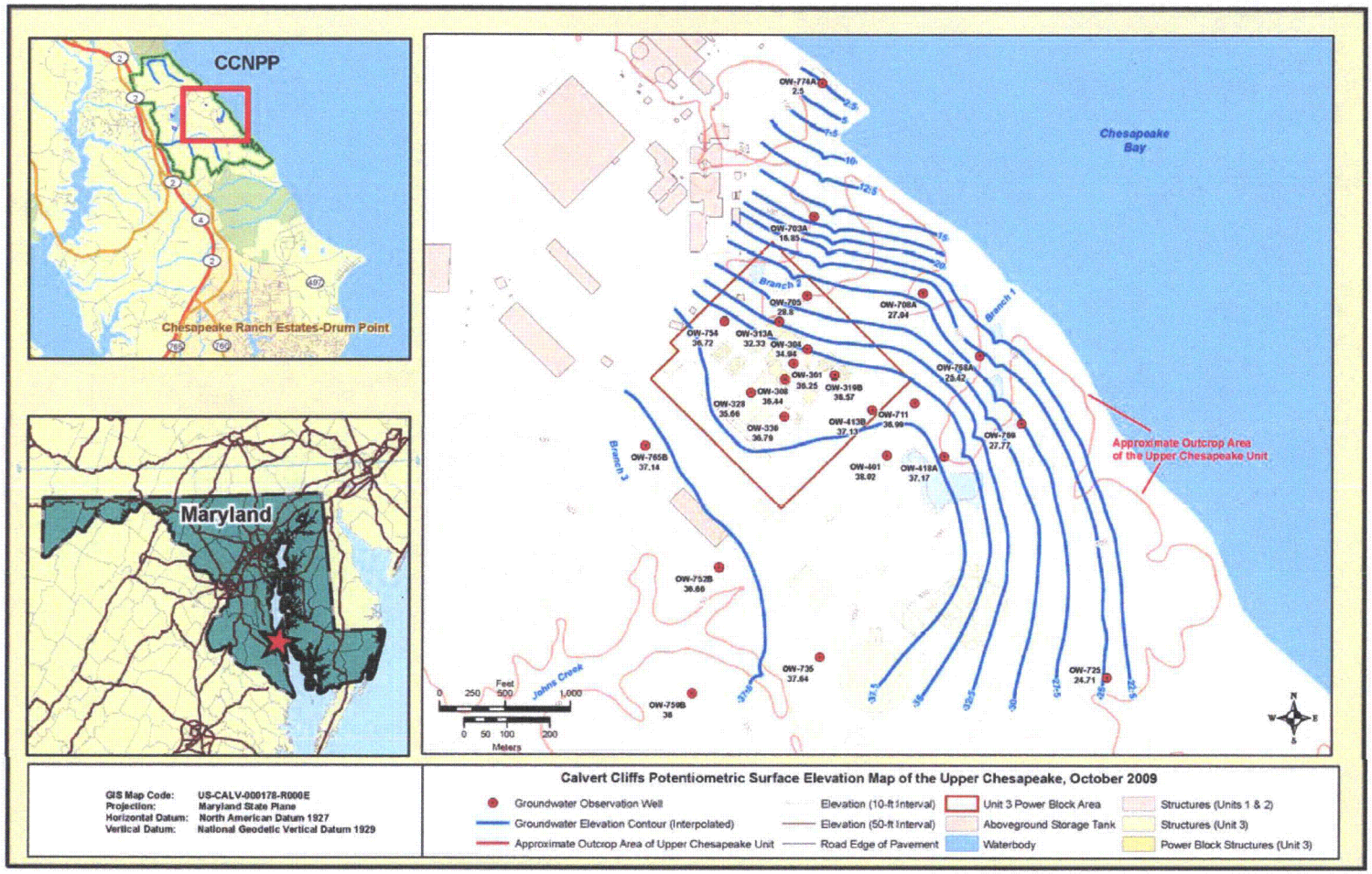

Figure 2.3- 97 – {Potentiometric Surface Elevation Map for the Lower Chesapeake Unit, June 2007}

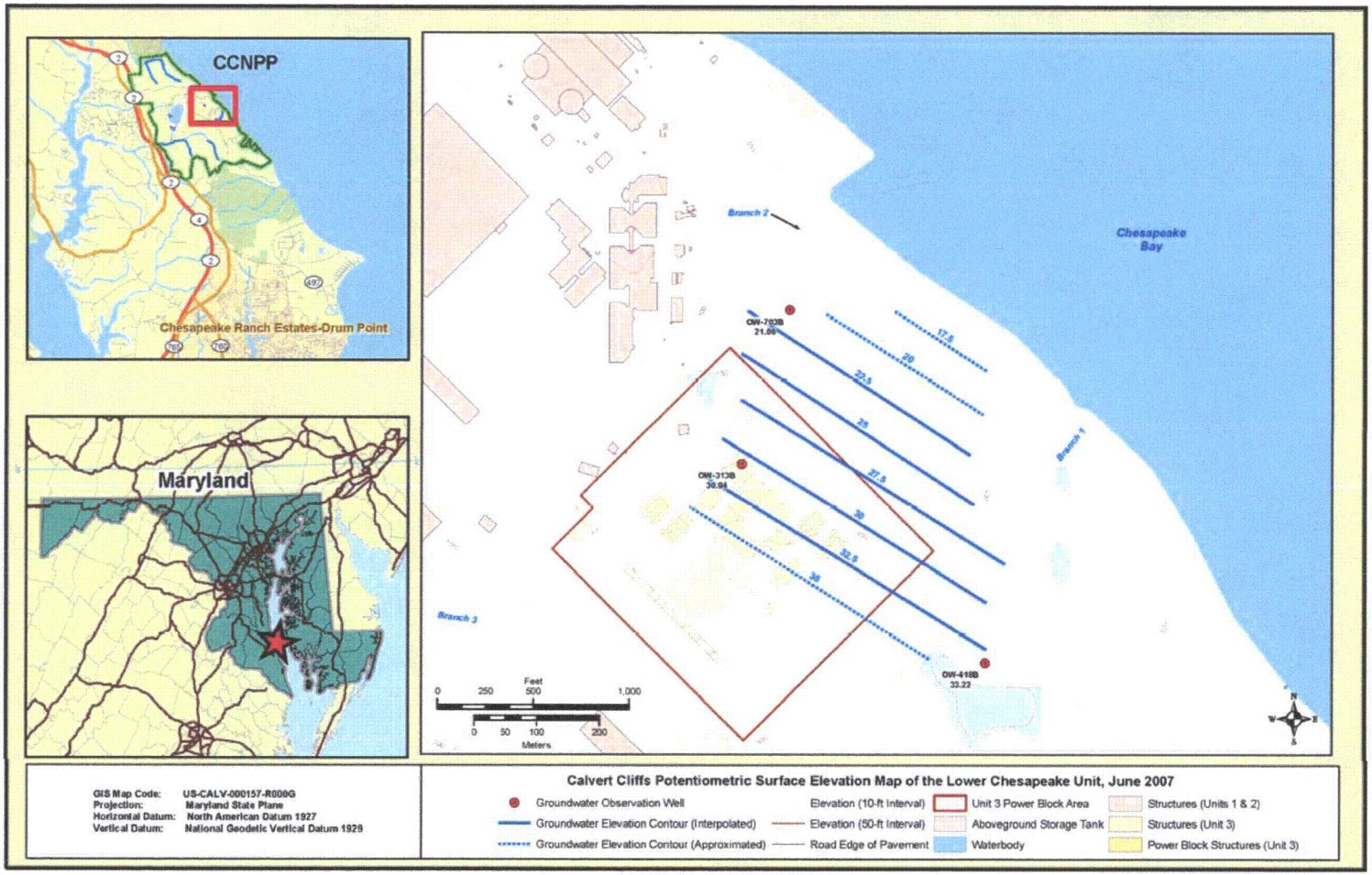

Figure 2.3- 98 – {Potentiometric Surface Elevation Map for the Lower Chesapeake Unit, December 2007}

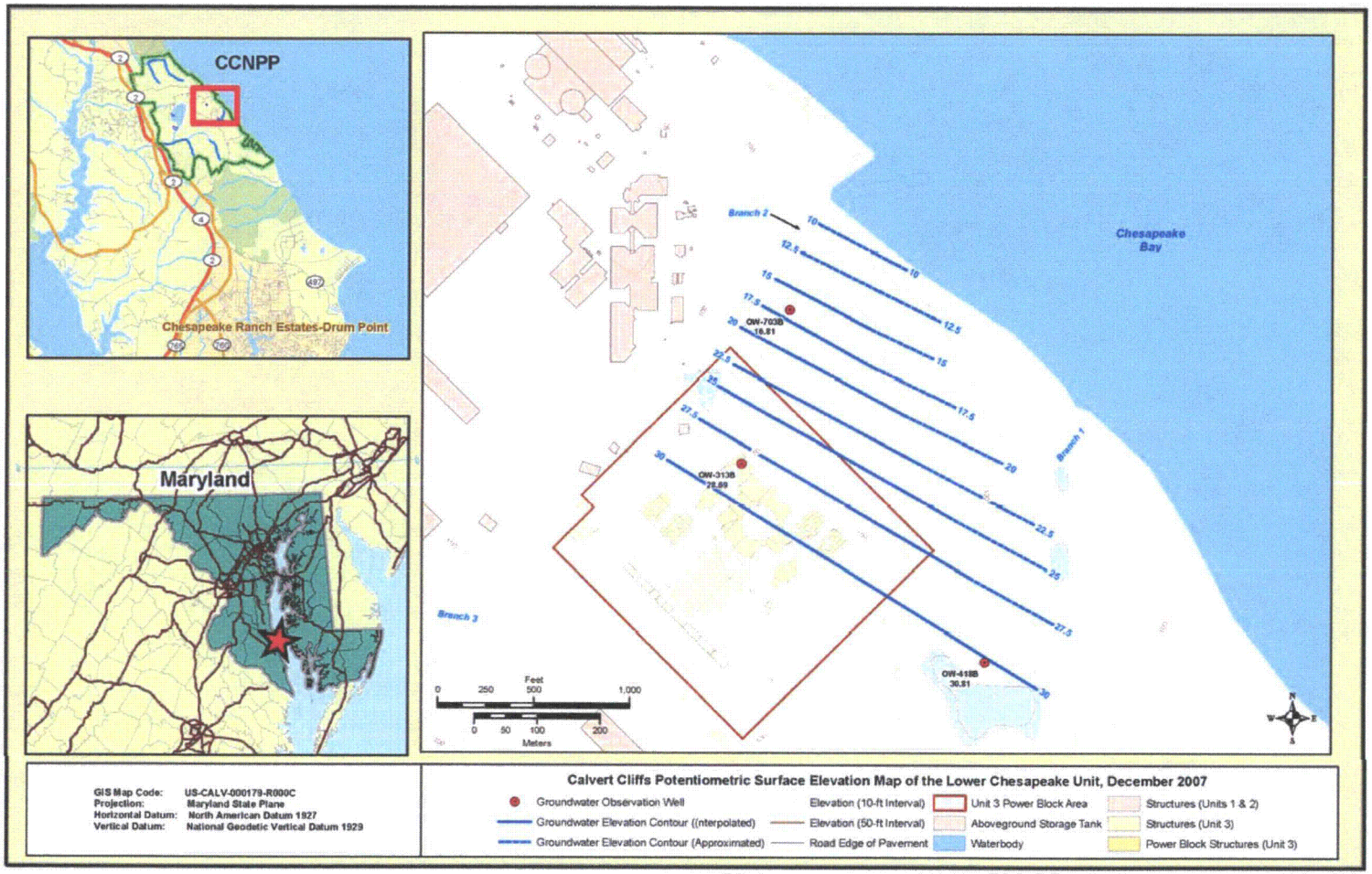

Figure 2.3- 99 – {Potentiometric Surface Elevation Map for the Lower Chesapeake Unit, April 2008}

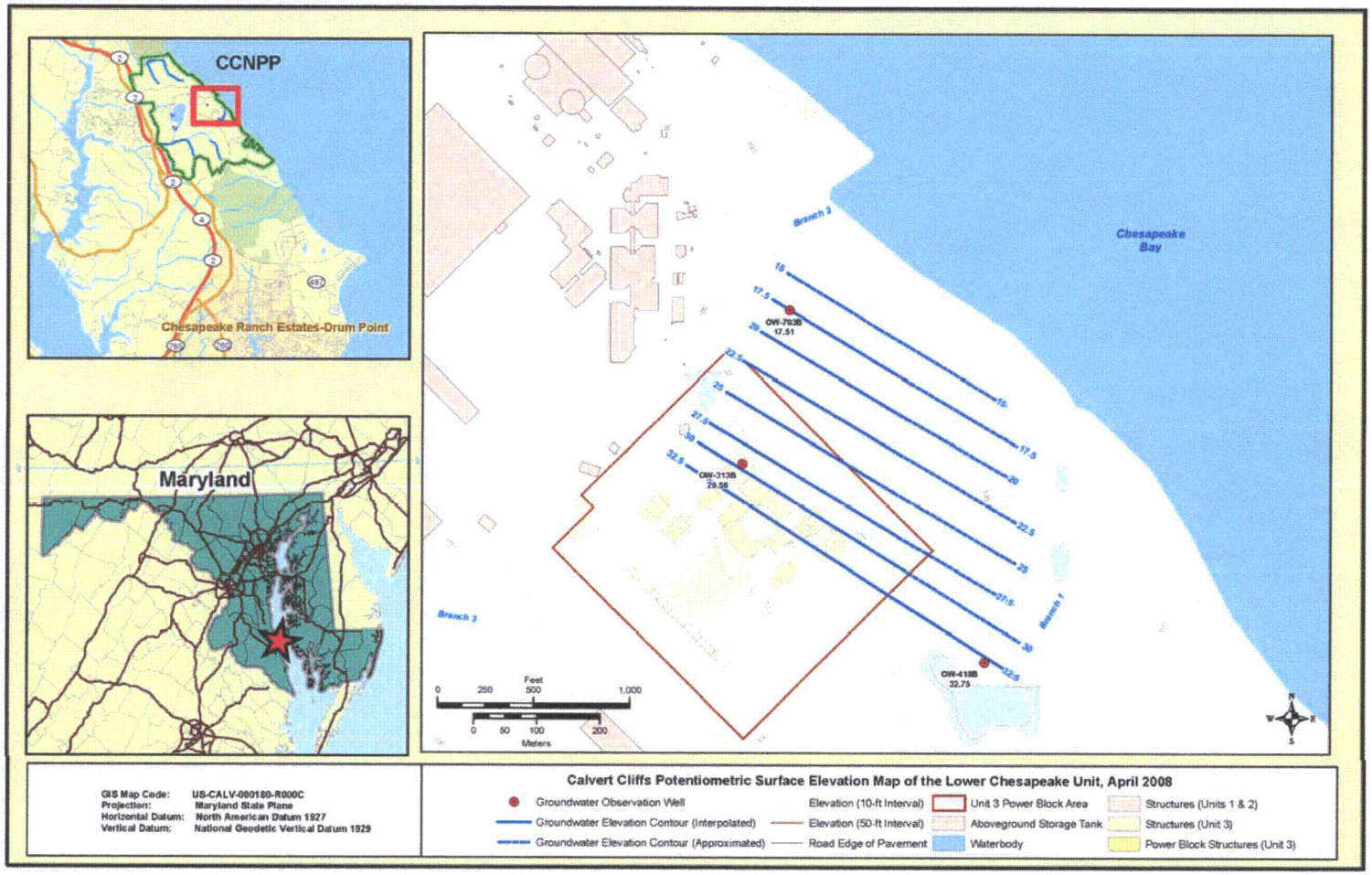

Figure 2.3- 100 – {Potentiometric Surface Elevation Map for the Lower Chesapeake Unit, October 2008}

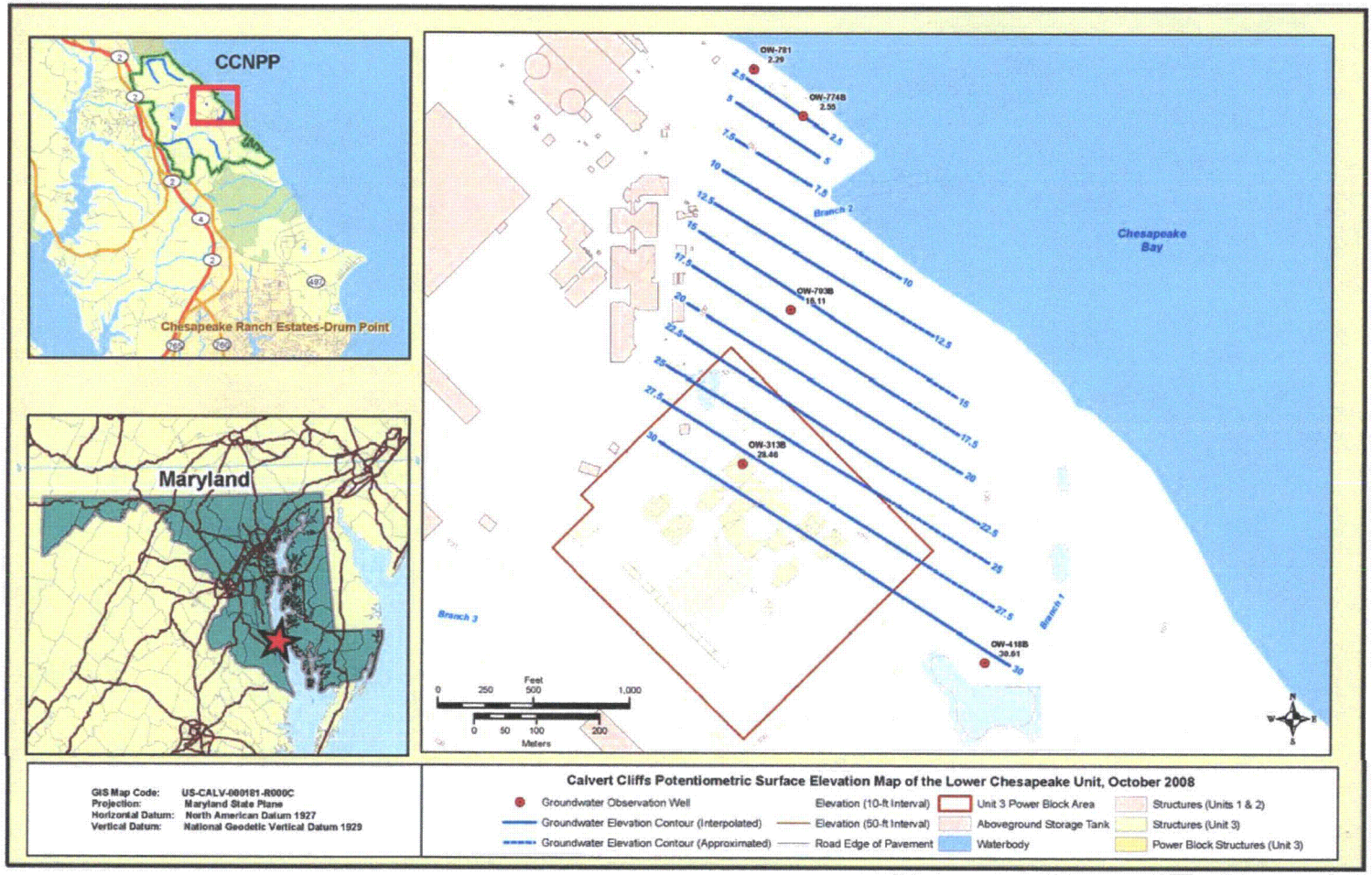

Figure 2.3- 101 – {Potentiometric Surface Elevation Map for the Lower Chesapeake Unit, April 2009}

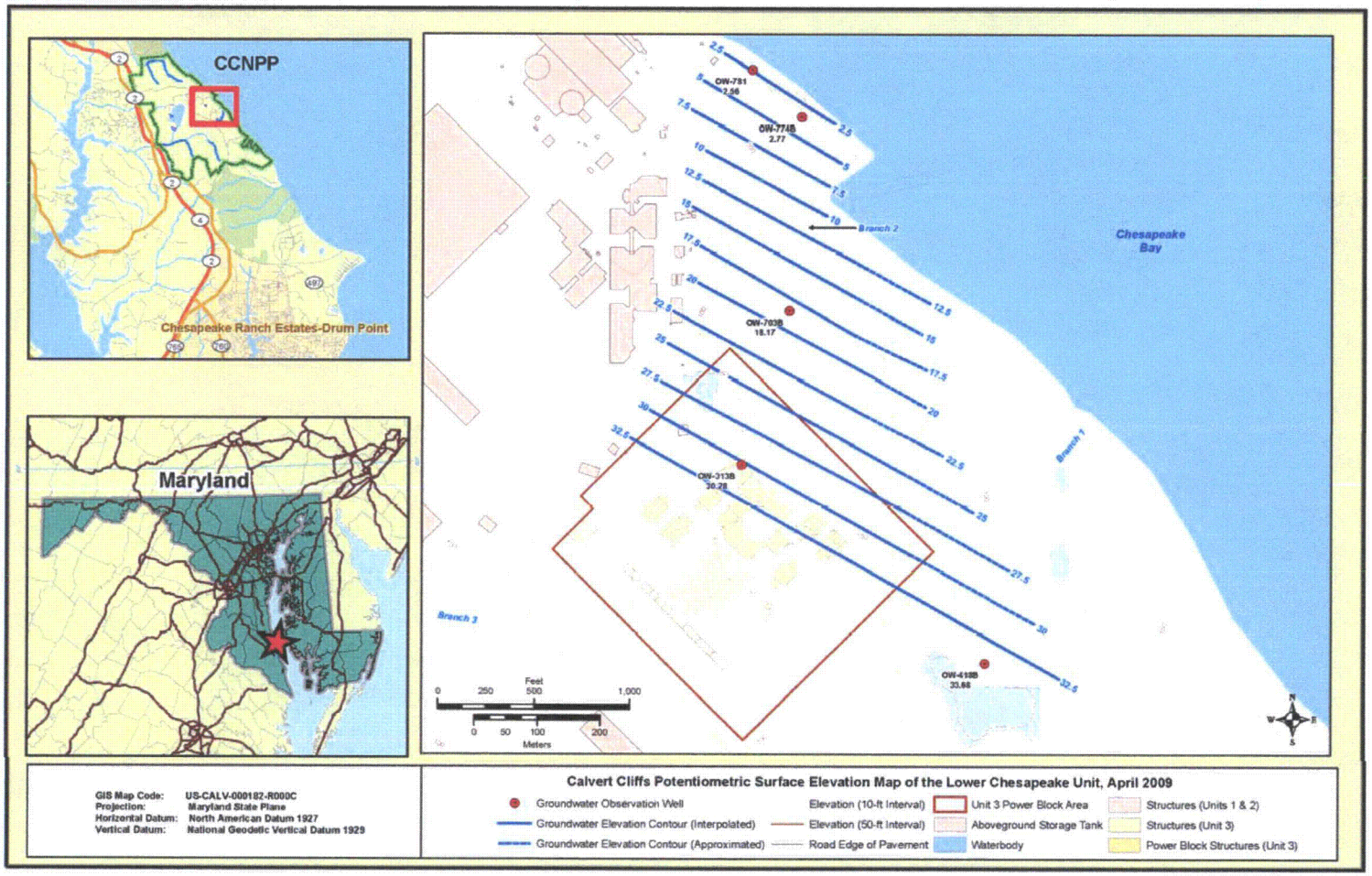

Figure 2.3- 102 – {Potentiometric Surface Elevation Map for the Lower Chesapeake Unit, October 2009}

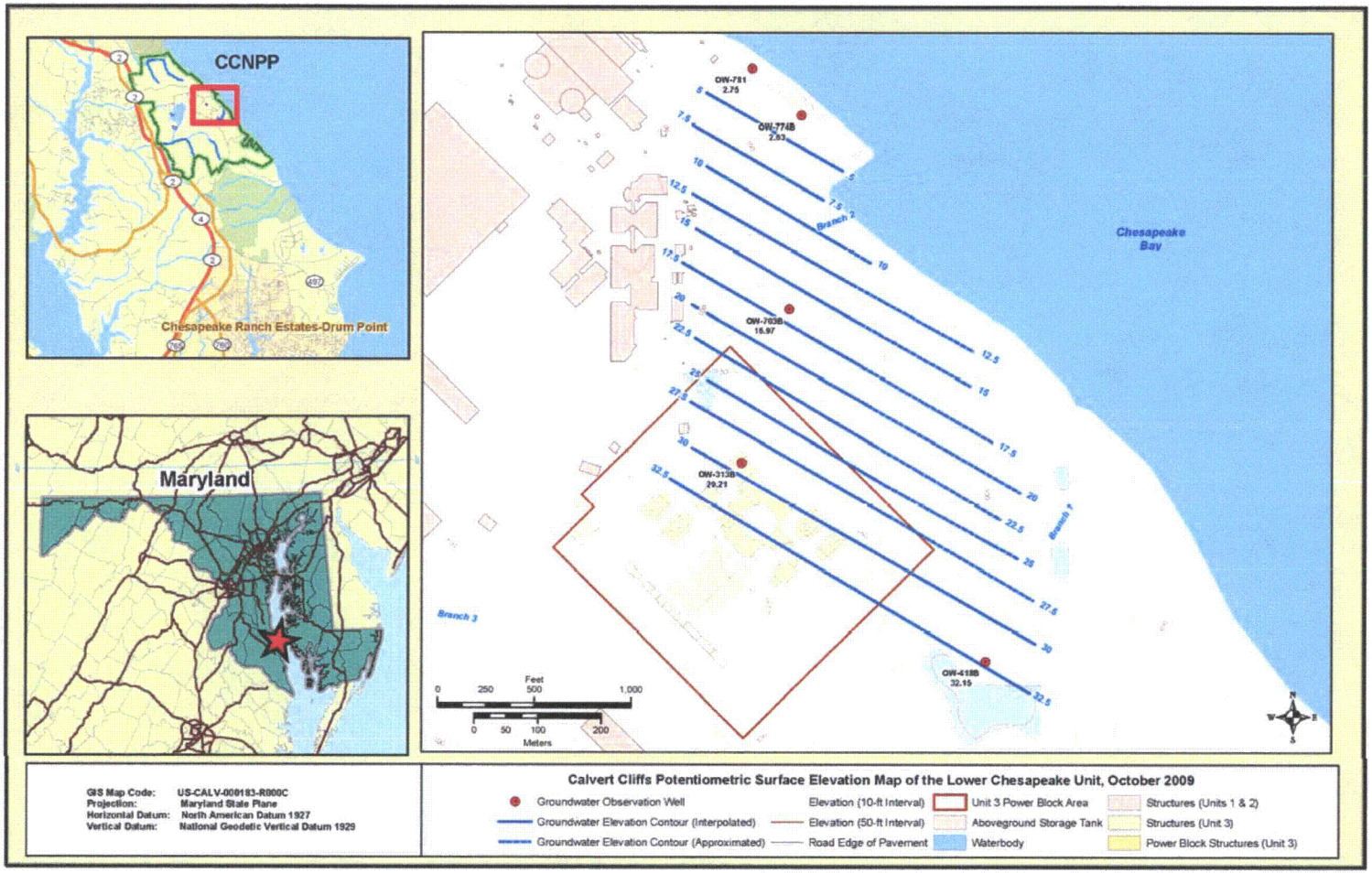
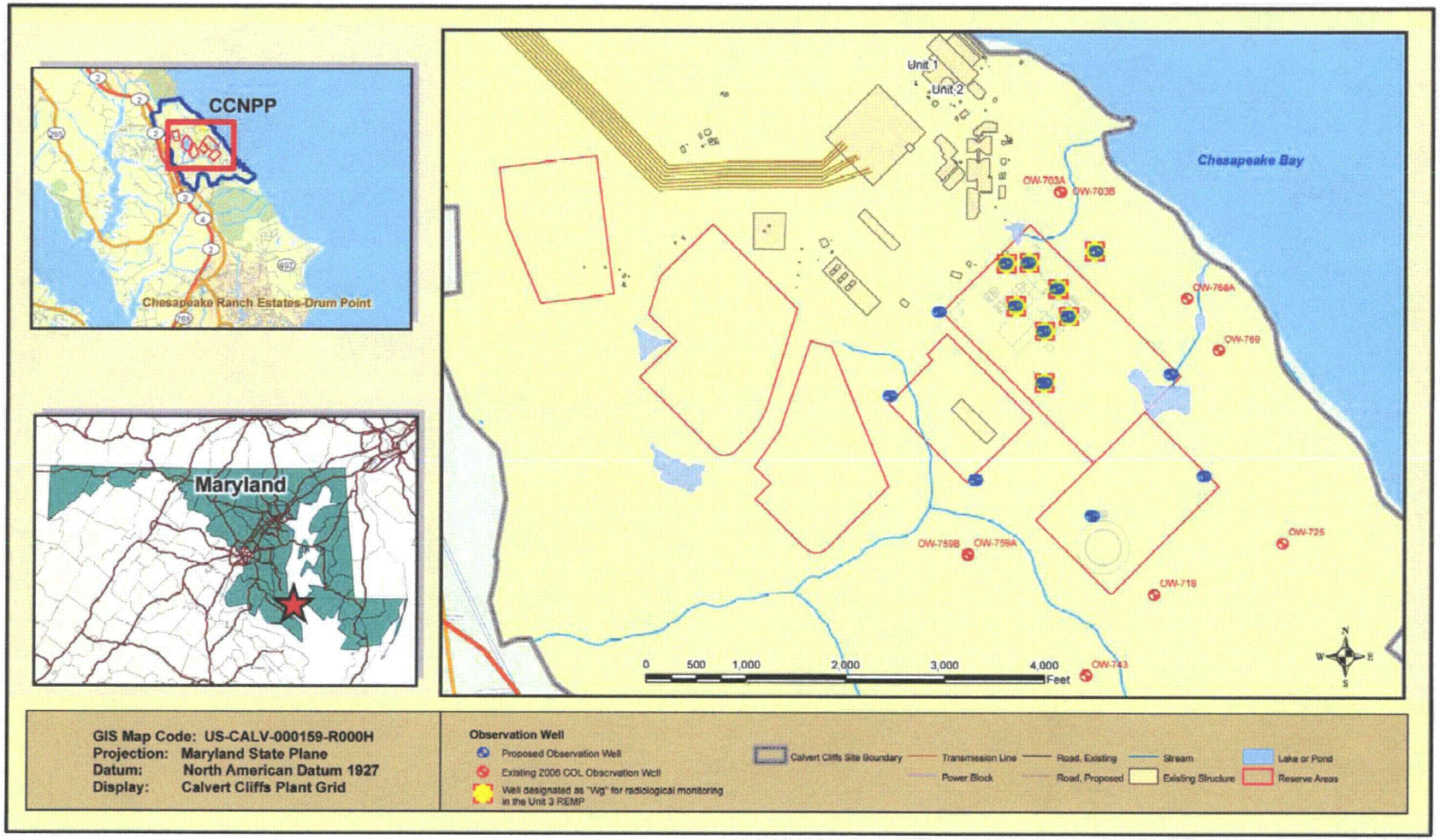
Figure 2.3-103 – {Proposed Post Construction Observation Well Locations}