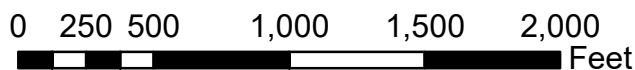
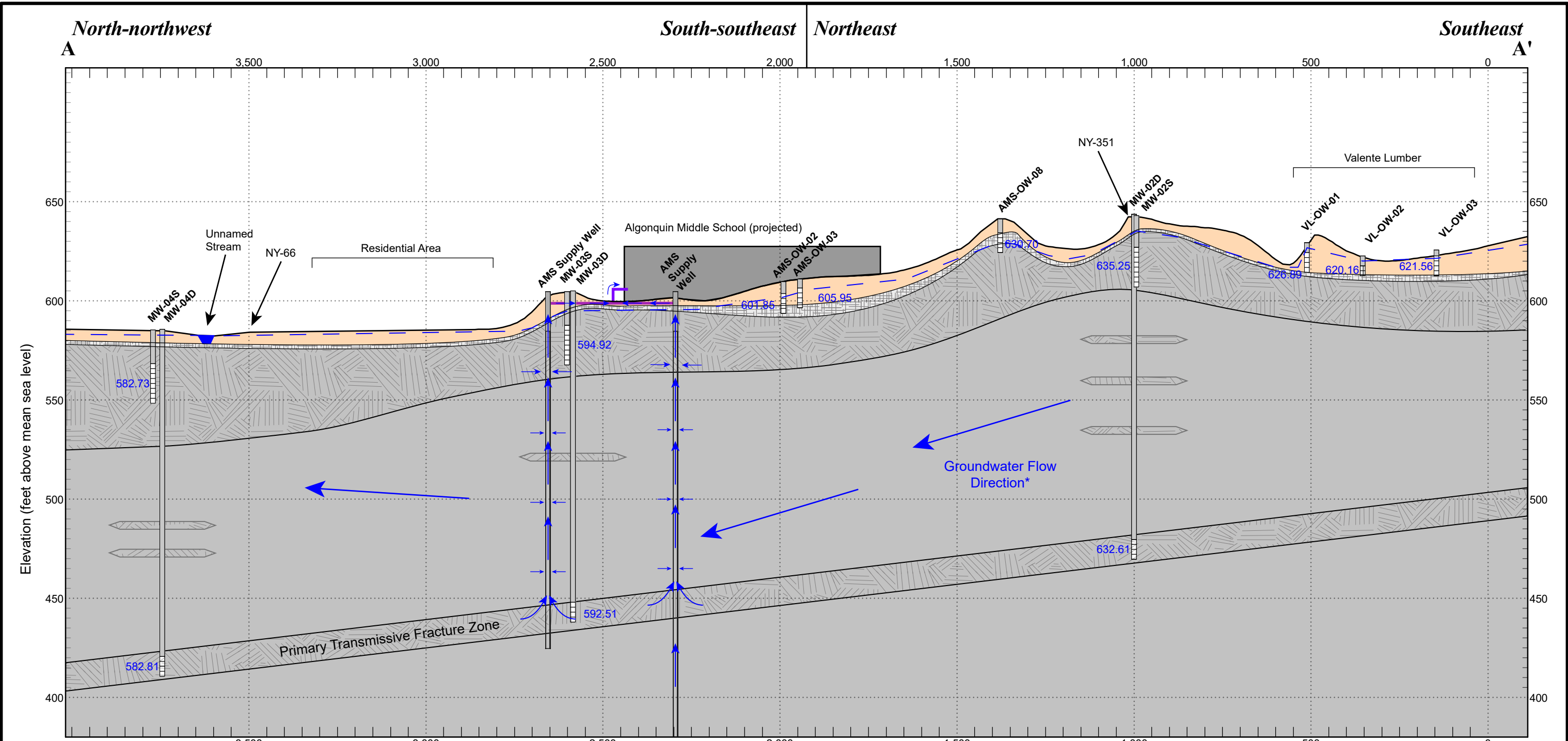


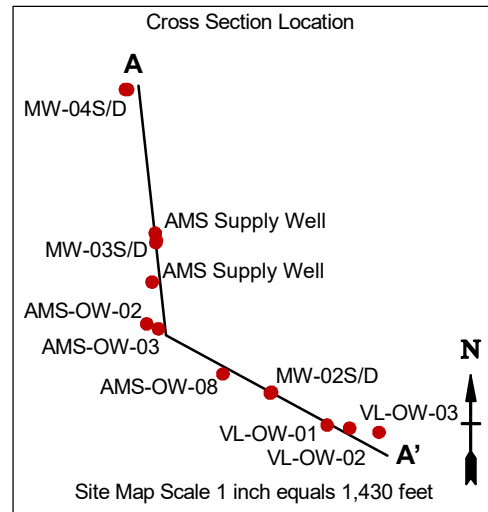
Poestenkill Assessment Area
Cross Section Locations

Poestenkill Assessment Area
Averill Park, NY
Figure 3-4





LEGEND:



Geology

- Overburden
- Weathered Shale Bedrock Zone
- Transmissive Shale Bedrock Zone
- Shale Bedrock (Low to Moderate Transmissivity)
- Transmissive Zone - extent unknown, fracture orientation not displayed for clarity

- Well Casing
- Screened Interval
- Open Borehole
- Conceptual Water Supply Piping
- Conceptual Groundwater Flow Pathways - scaled approximately according to magnitude

- 635.25 Water Level Elevation (Overburden Wells - 11/2/22) (Bedrock Wells - 10/24/22)
- - Shallow Bedrock Potentiometric Surface
- *Groundwater flow is approximately parallel to the cross section

AMS - Algonquin Middle School
 MW - Monitoring Well
 OW - Overburden Well
 VL - Valente Lumber

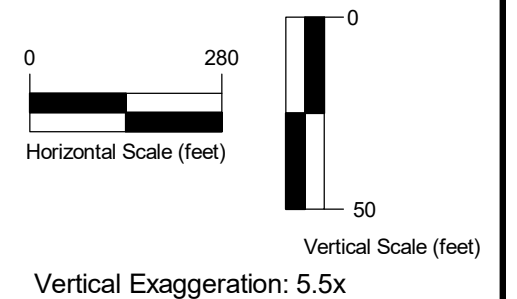
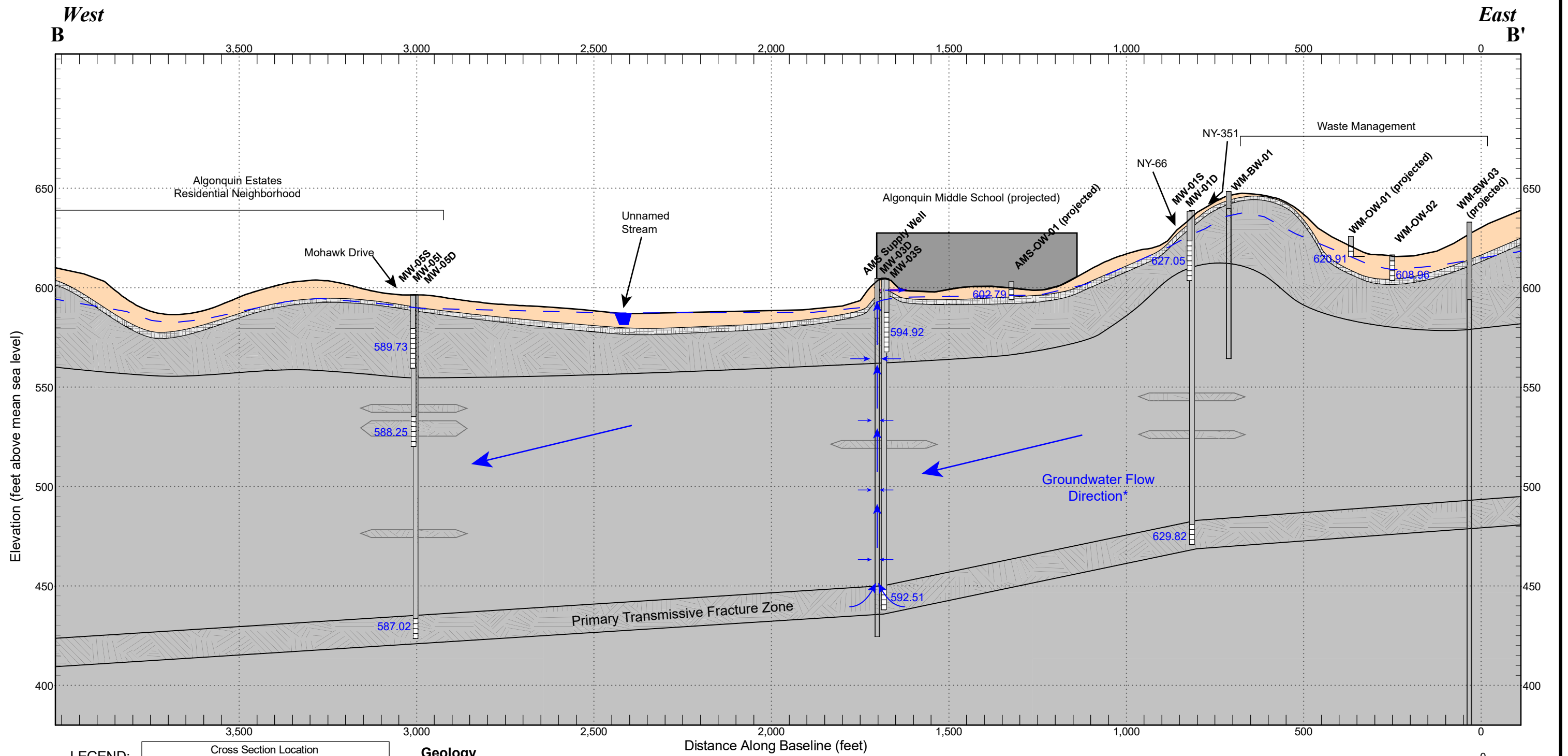


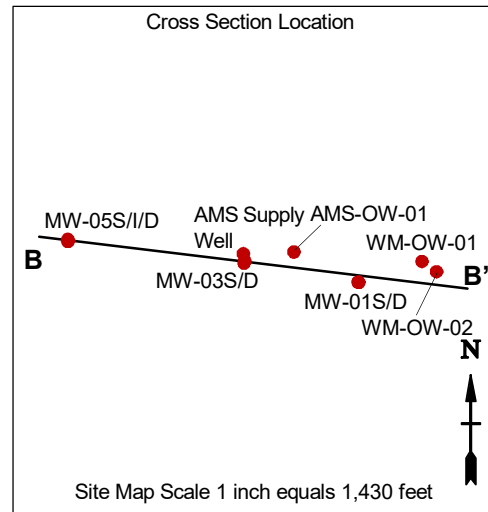
Figure 3-4a
Hydrogeologic Cross Section A-A'
Poestenkill Assessment Area
Averill Park, NY



STANDARD CROSS SECTION: ALGONQUIN.MS.GPJ S STANDARD_ENVIRONMENTAL_PROJECT.GDT 12/16/22 RE V.



LEGEND:



Geology

- Overburden
- Weathered Shale Bedrock Zone
- Transmissive Shale Bedrock Zone
- Shale Bedrock (Low to Moderate Transmissivity)
- Transmissive Zone - extent unknown, fracture orientation not displayed for clarity

- Well Casing
- Screened Interval
- Open Borehole

- Conceptual Water Supply Piping
- Conceptual Groundwater Flow Pathways - scaled approximately according to magnitude

- 635.25 Water Level Elevation (Overburden Wells - 11/2/22) (Bedrock Wells - 10/24/22)
- - - Shallow Bedrock Potentiometric Surface
- *Groundwater flow direction is oblique to the cross section. Therefore, flow arrows do not represent absolute flow directions.
- AMS - Algonquin Middle School
- MW - Monitoring Well
- OW - Overburden Well
- WM - Waste Management

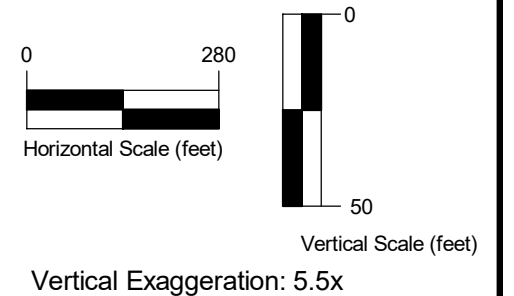
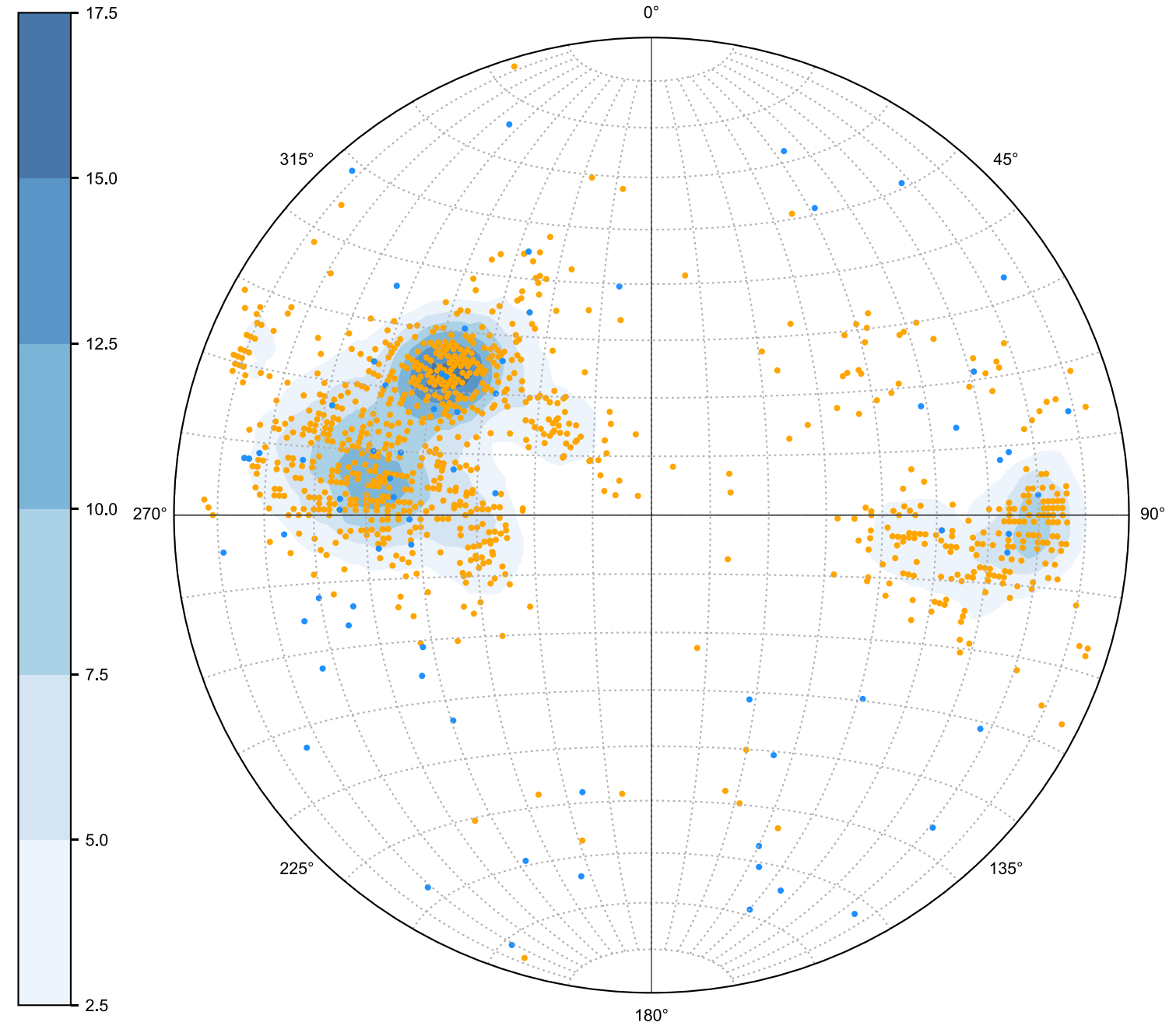


Figure 3-4b
Hydrogeologic Cross Section B-B'
 Post-Construction Conditions
 Averill Park, NY



Fractures-
(%)

Bedrock Feature Orientation



Pole-to-plane Feature Orientation

- Non-transmissive feature
- Transmissive feature

Poestenkill Middle School Area
Bedrock Feature Orientation Stereonet

Poestenkill Middle School Area
Averill Park, NY
Figure 3-6