From: RANDOLPH, TONYA
Subject: West Vermont Cross-Sections
Date: Thursday, September 25, 2014 10:09:35 AM
Attachments: Weston Cross-Section versus Resistivity.pdf

From: Lam, Shelly [mailto:lam.shelly@epa.gov]
Sent: Tuesday, September 23, 2014 11:32 AM
To: Muniz, Nuria; JAWORSKI, MARK; Miller, Christina
Cc: Lam, Shelly
Subject: West Vermont Cross-Sections

Attached are cross-sections Weston prepared for West Vermont. I can't remember if I sent you these before.

Weston overlaid resistivity profiles on the geologic cross-sections. One of the PRPs conducted resistivity in lieu of logging lithology. You can clearly see that the intermediate till (665-678 feet), which one of the PRPs claims is a "confining layer," is not present everywhere and is often thin where present. In particular, this unit is missing near Michigan Plaza's Source Area C, show on on 5-5'. It is missing entirely in well MMW-14D.

Shelly Lam, LPG
Acting Section Chief
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U.S. EPA
2525 N. Shadeland Avenue, Suite 100
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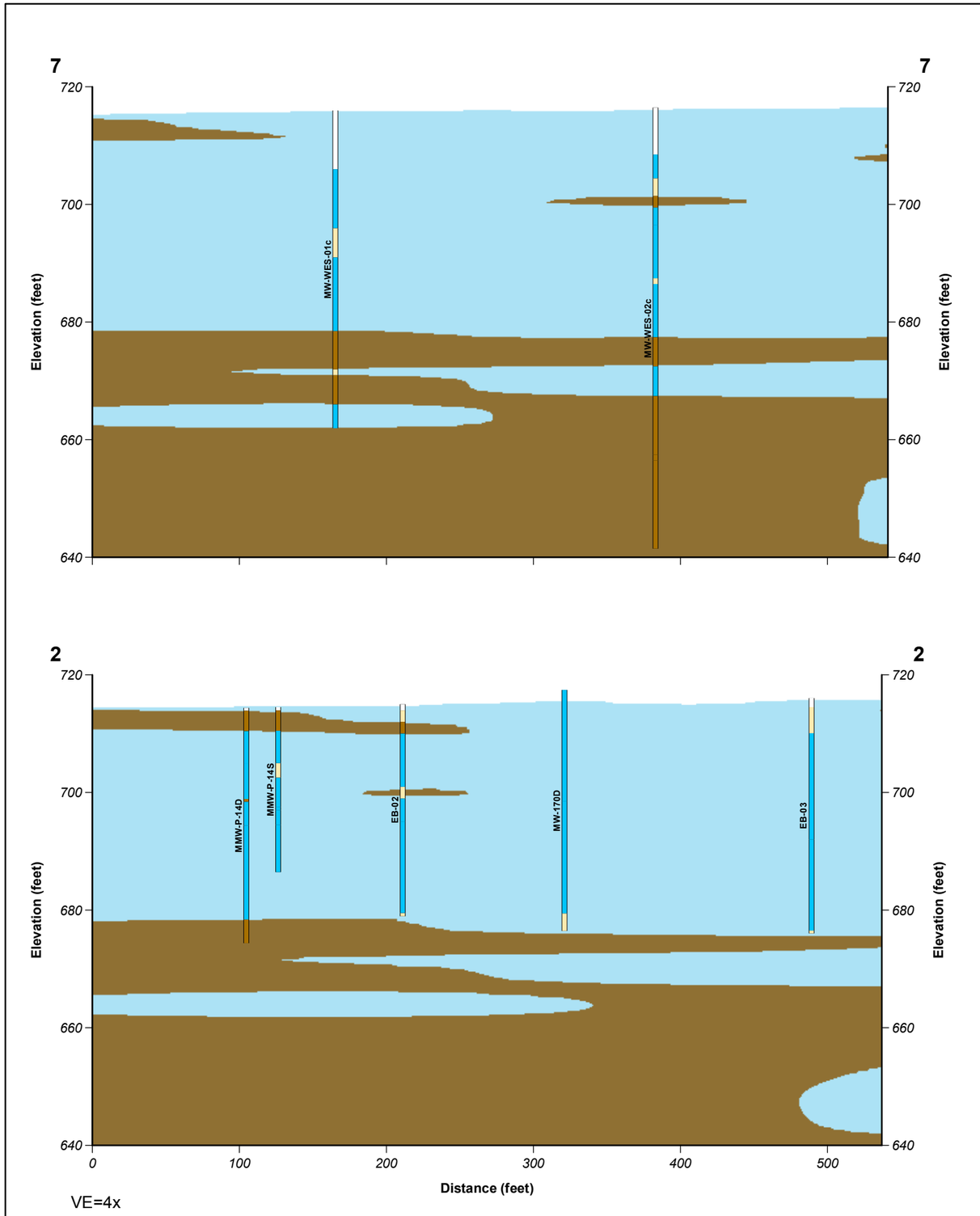
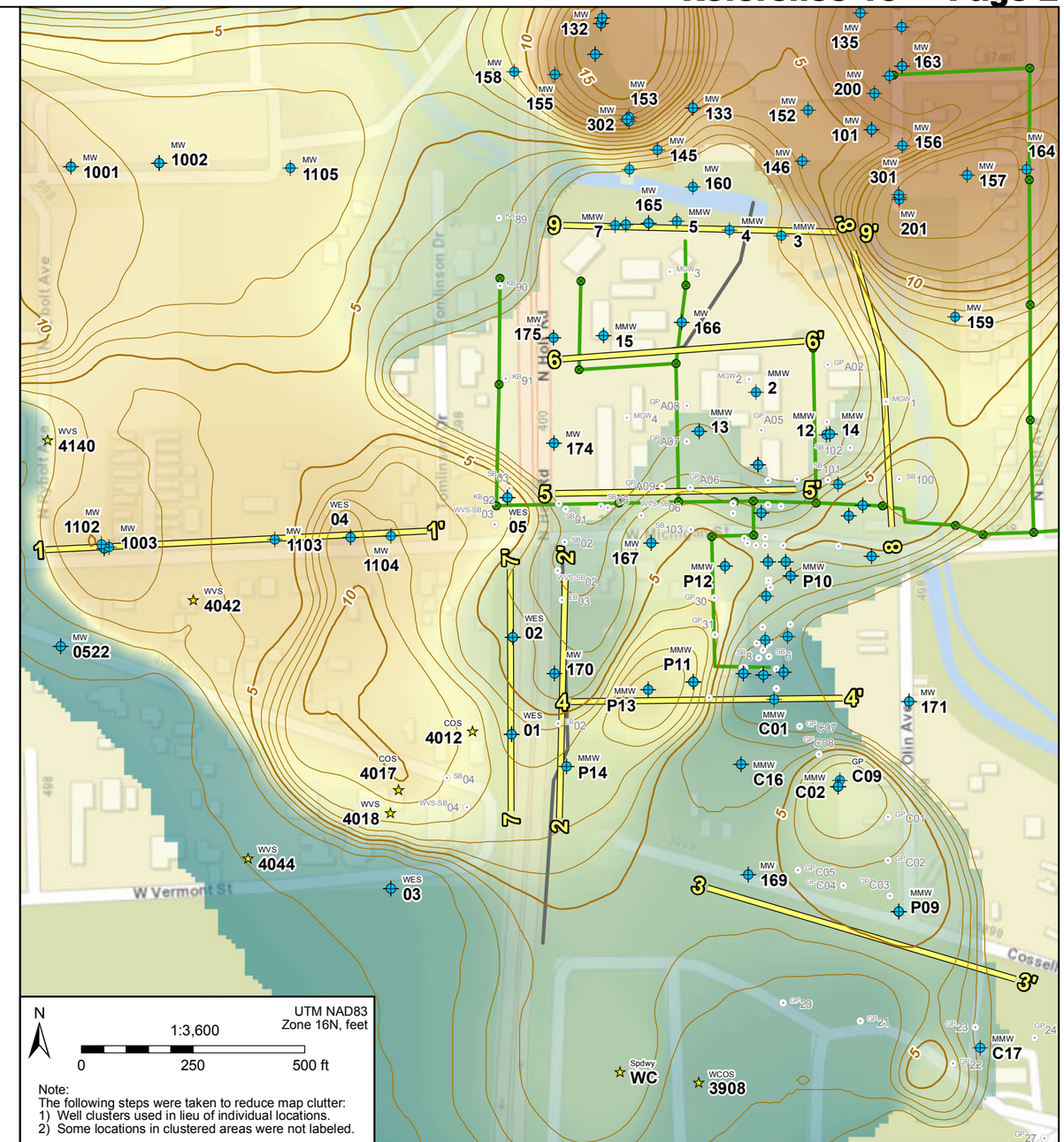
Cell: 317-417-0980





Note:
The following steps were taken to reduce map clutter:
1) Well clusters used in lieu of individual locations.
2) Some locations in clustered areas were not labeled.

Legend

Location Map

- Resistivity Profile
- Monitoring Well
- Residential Well
- Monitored Gas Well
- Soil Boring
- Sewer Manholes
- Sanitary Sewer
- Storm Sewer
- Clay Thickness in feet (from 670 - 690 ft MSL)

Top of Intermediate Till
690 ft MSL
670 ft MSL

Cross-Sections

Relative Permeability (USCS codes)

Model	Data
Combined	High (SG, SW, SP)
	Medium (SM, SC)
	Low (ML, CL)
	No Data

Prepared For:
US EPA REGION V
Contract No.: EP-S5-06-04
TDD: S05-0001-1205-013
DCN: 1856-2A-BBKP

Prepared By:
WESTON SOLUTIONS
2501 Jolly Road
Suite 100
Okemos, MI 48864

Figure X
Stratigraphic Model Extracted Along Mundell Resistivity Profiles 2 and 7

West Vermont Street
Speedway, Marion County, Indiana

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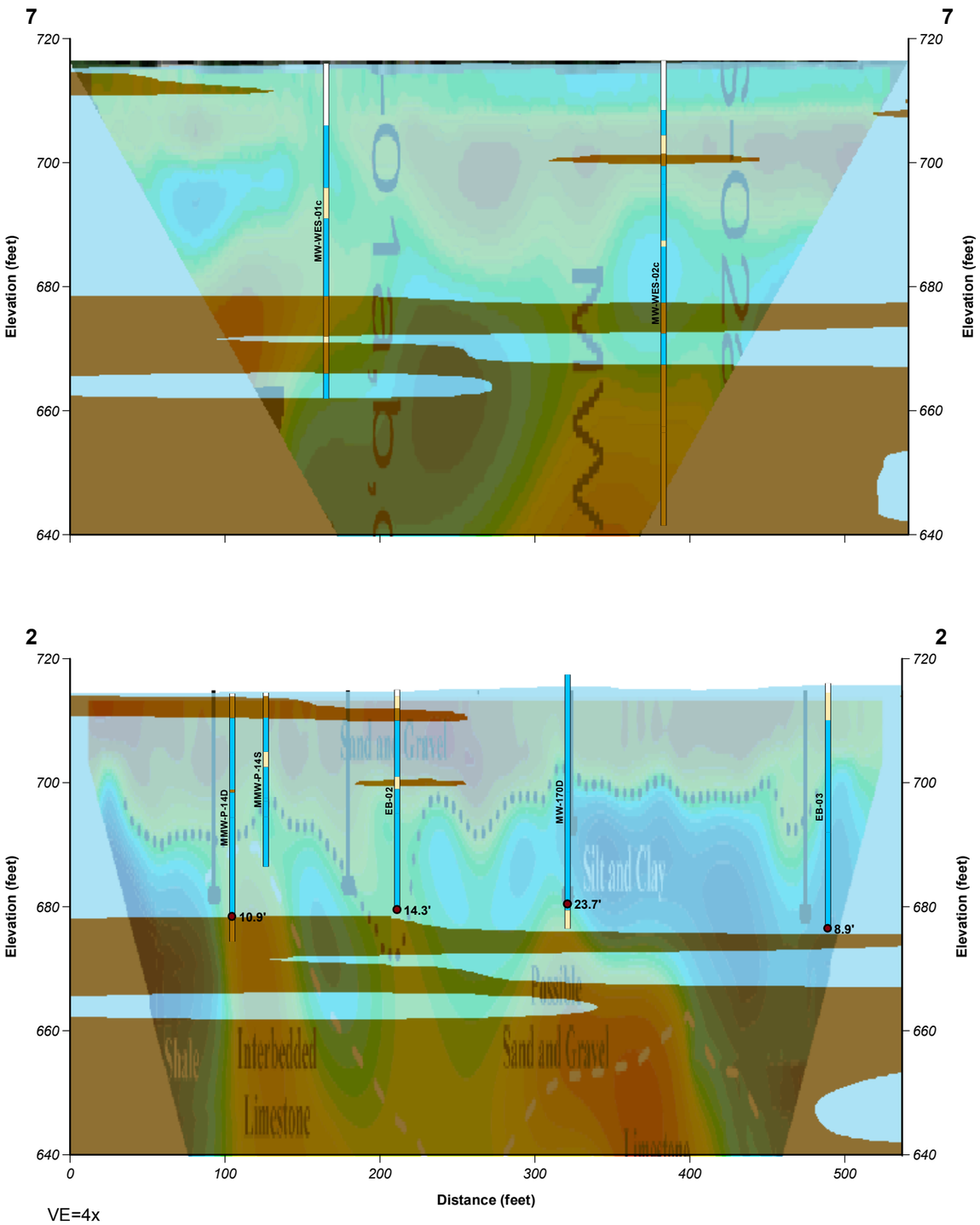

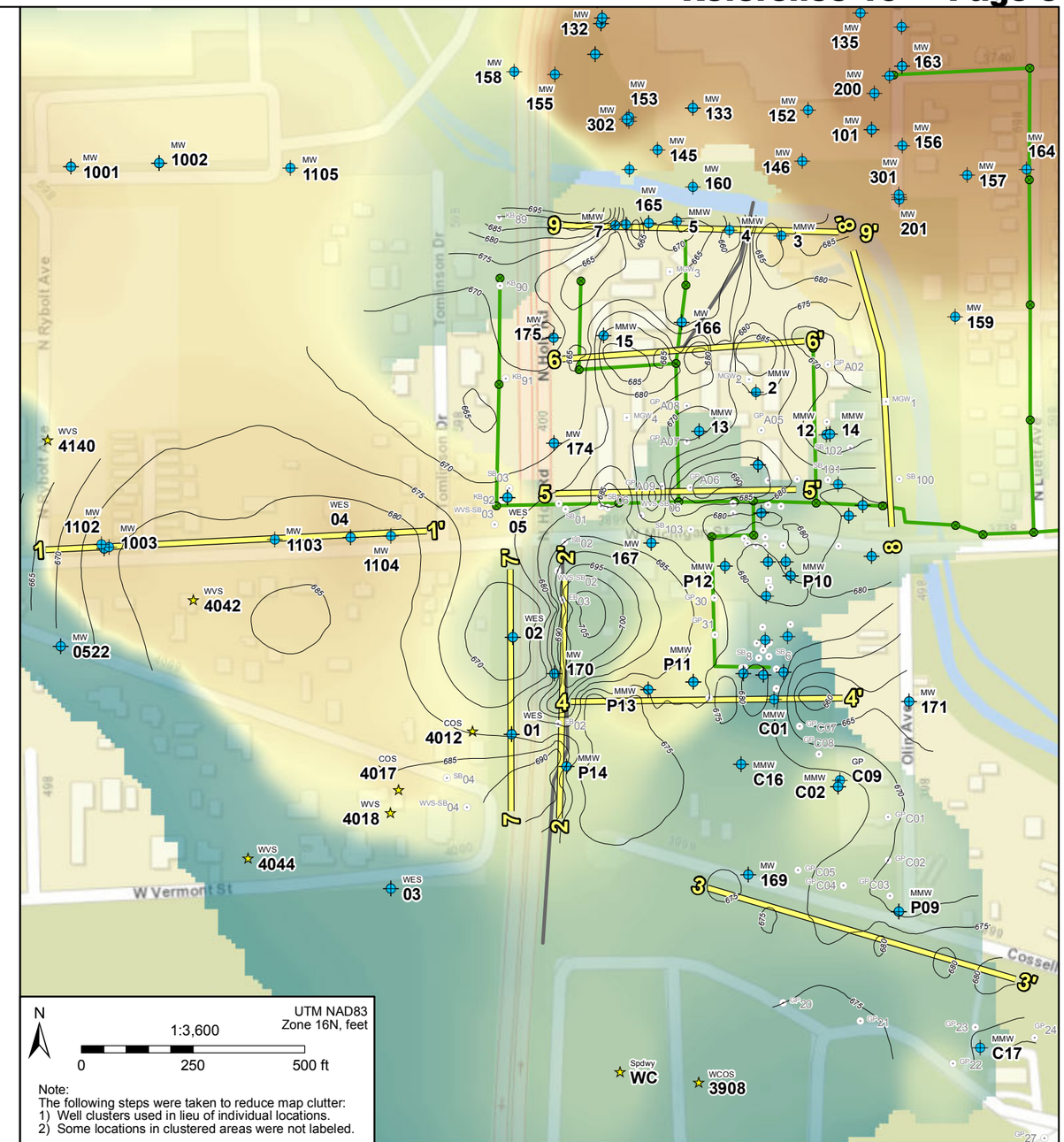

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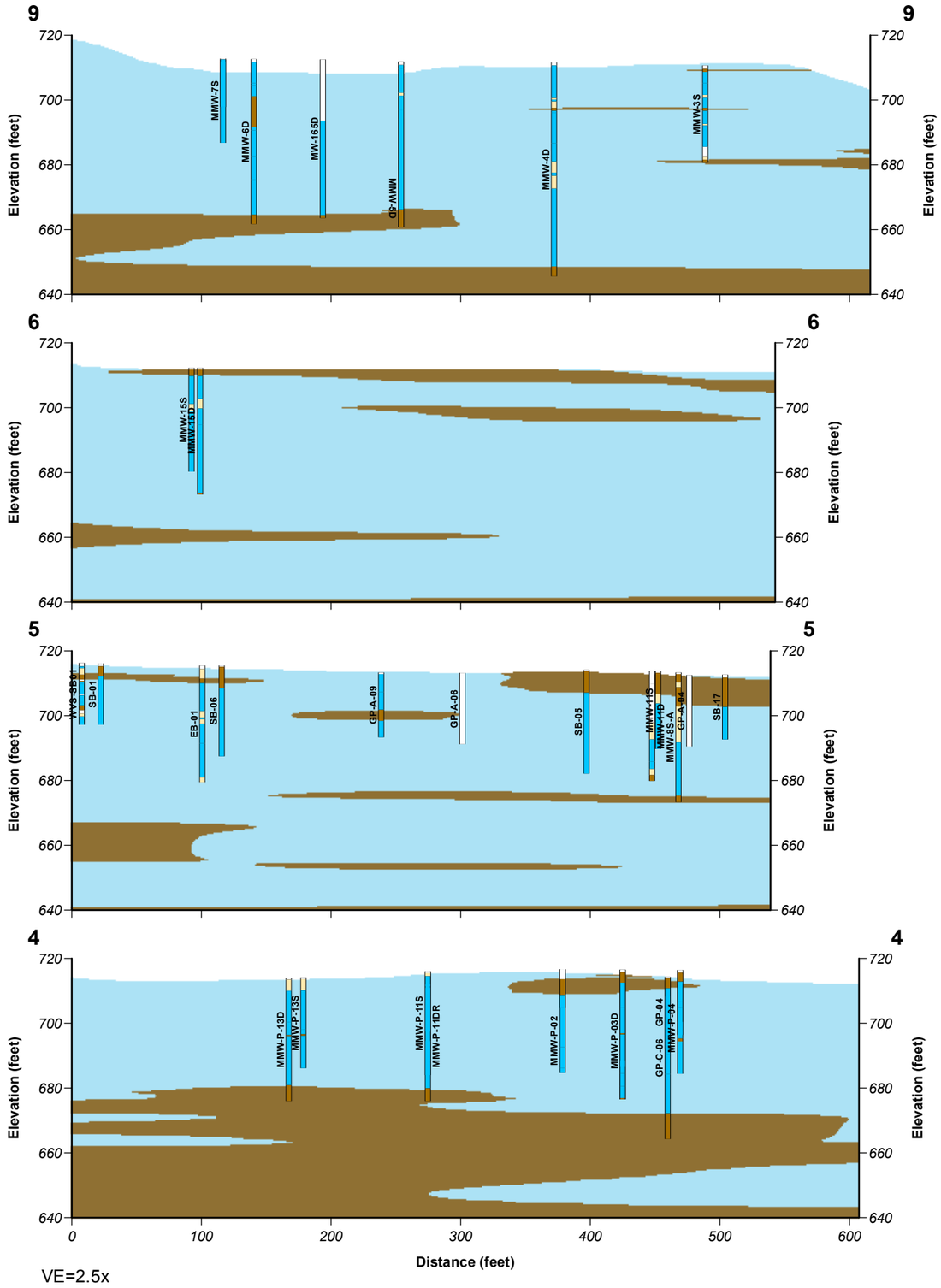

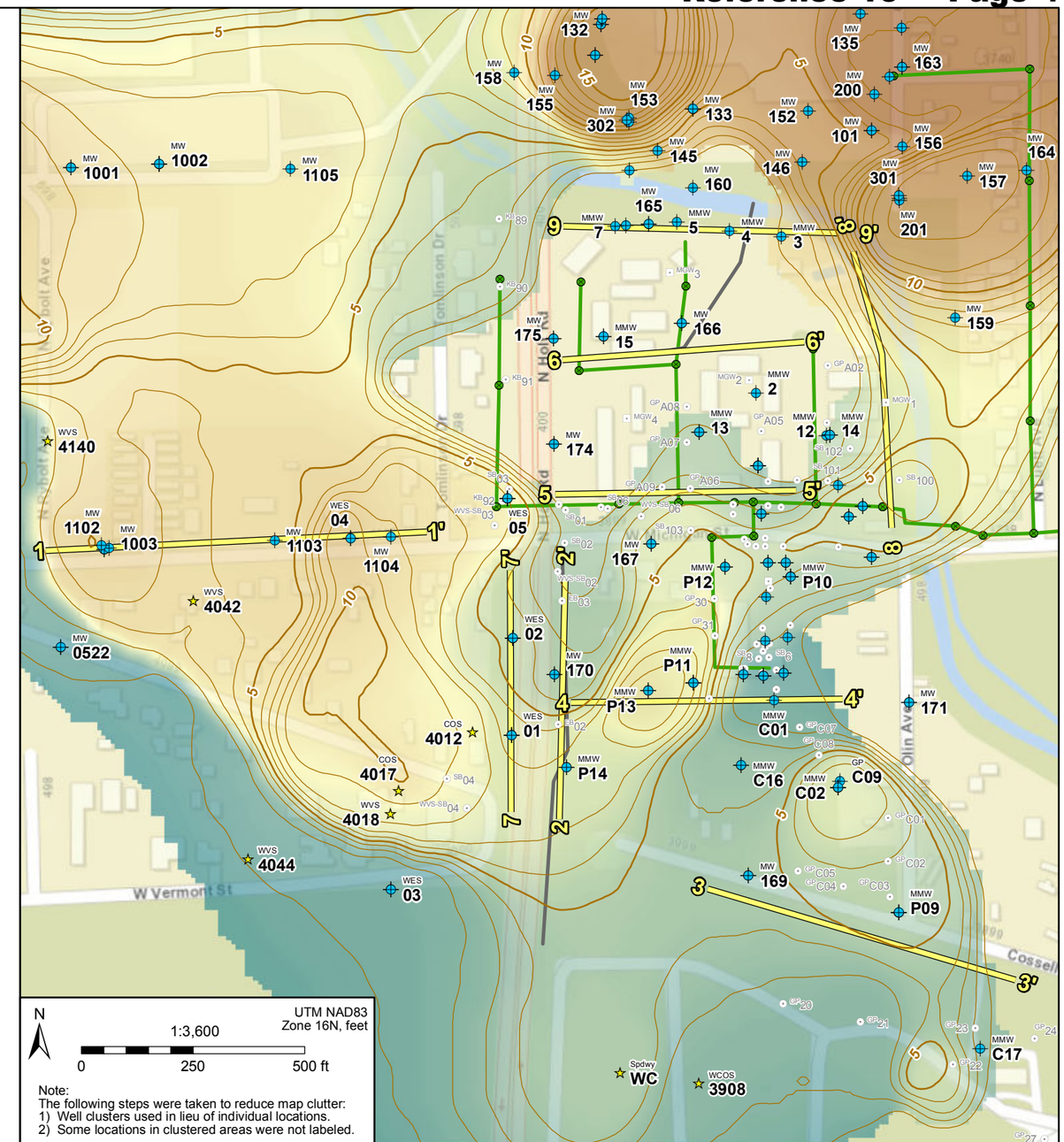

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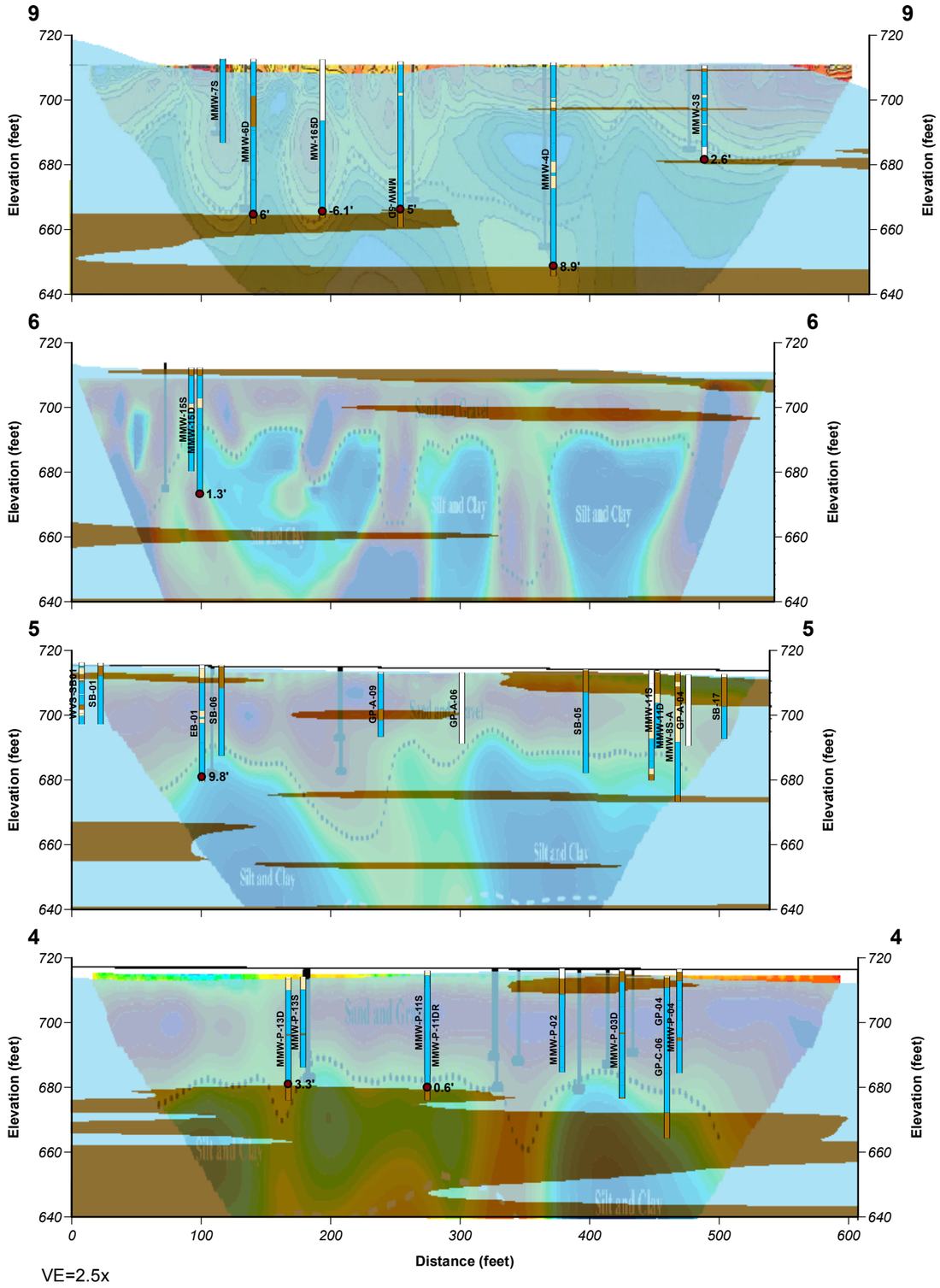

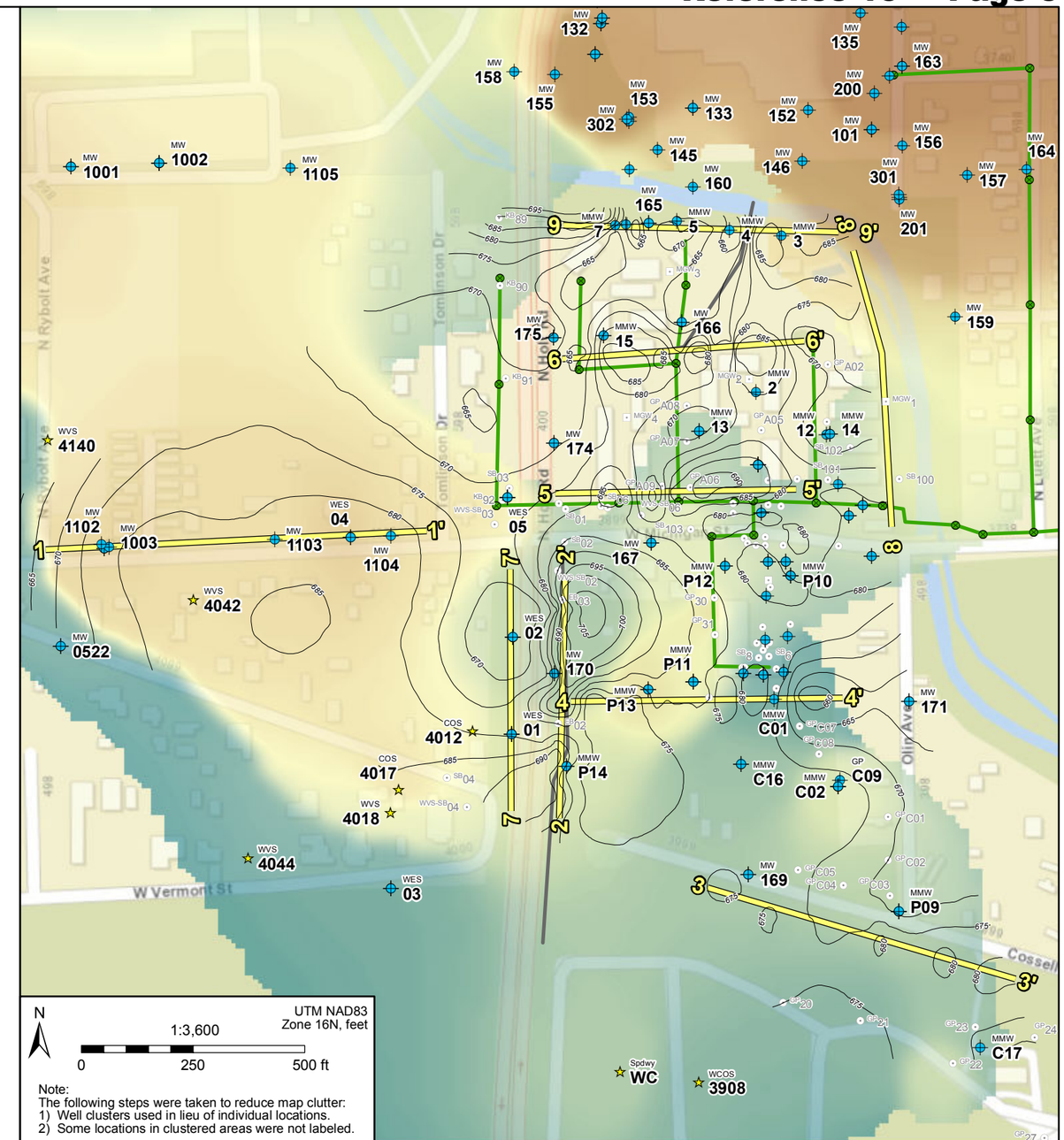

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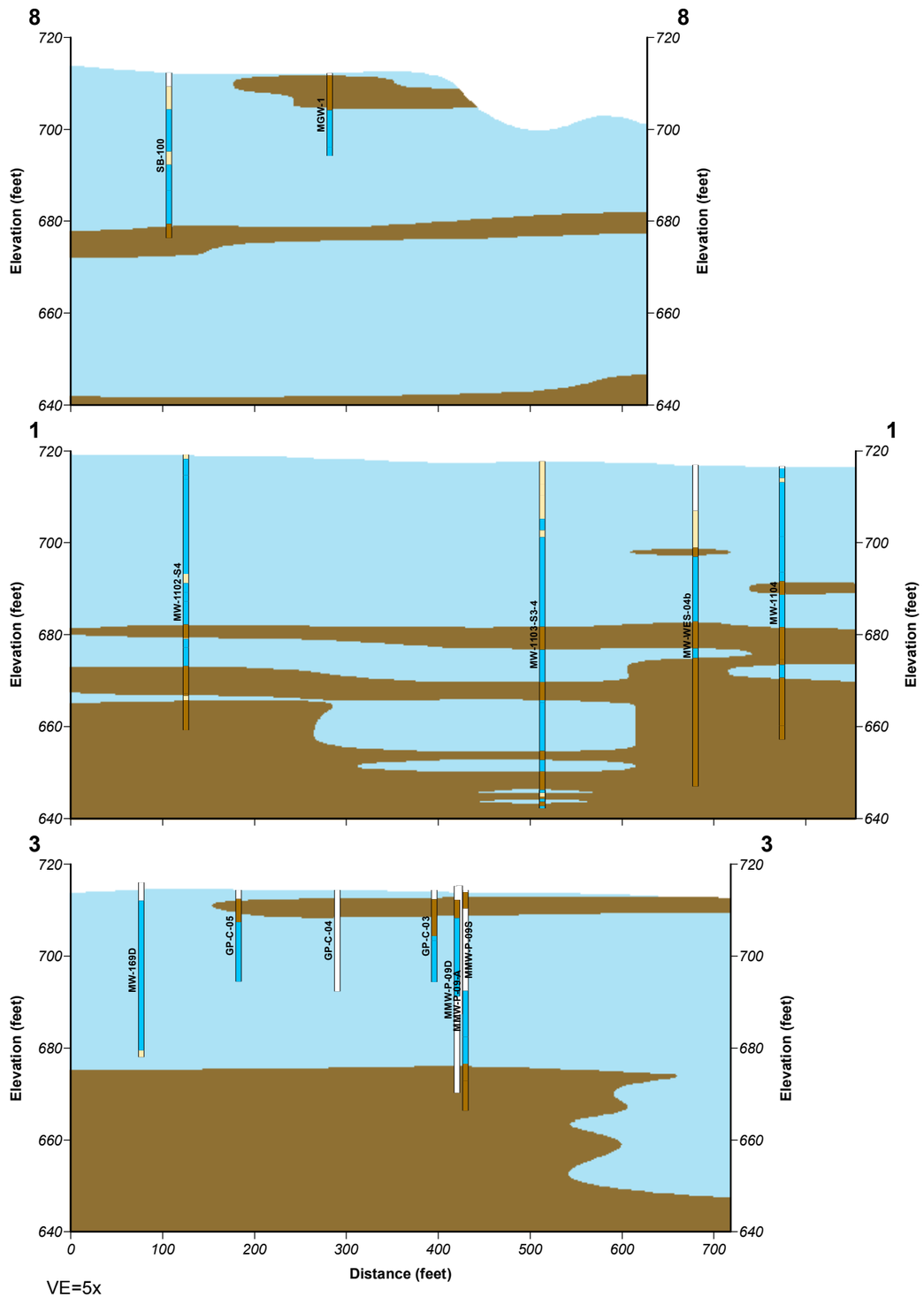

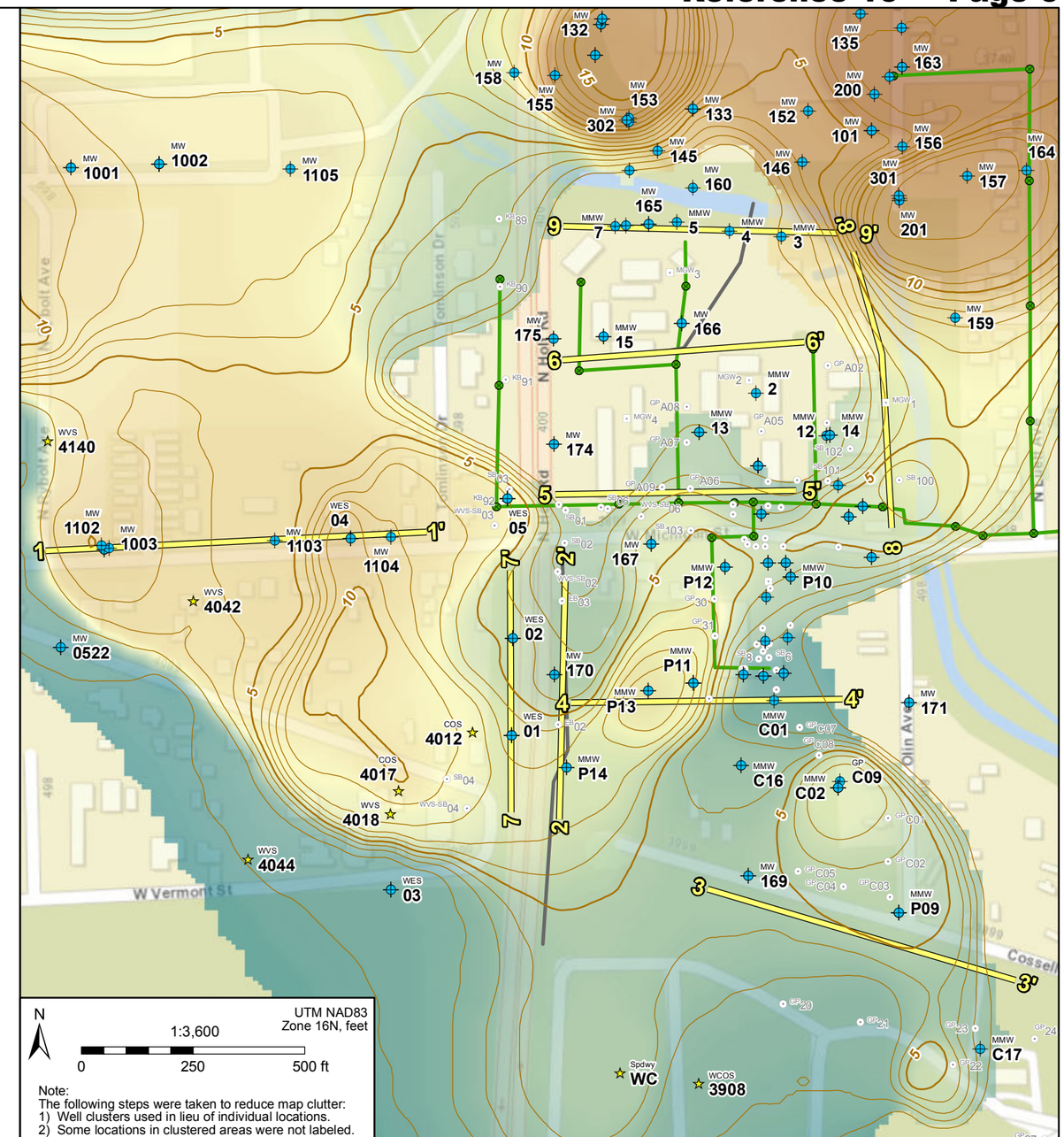

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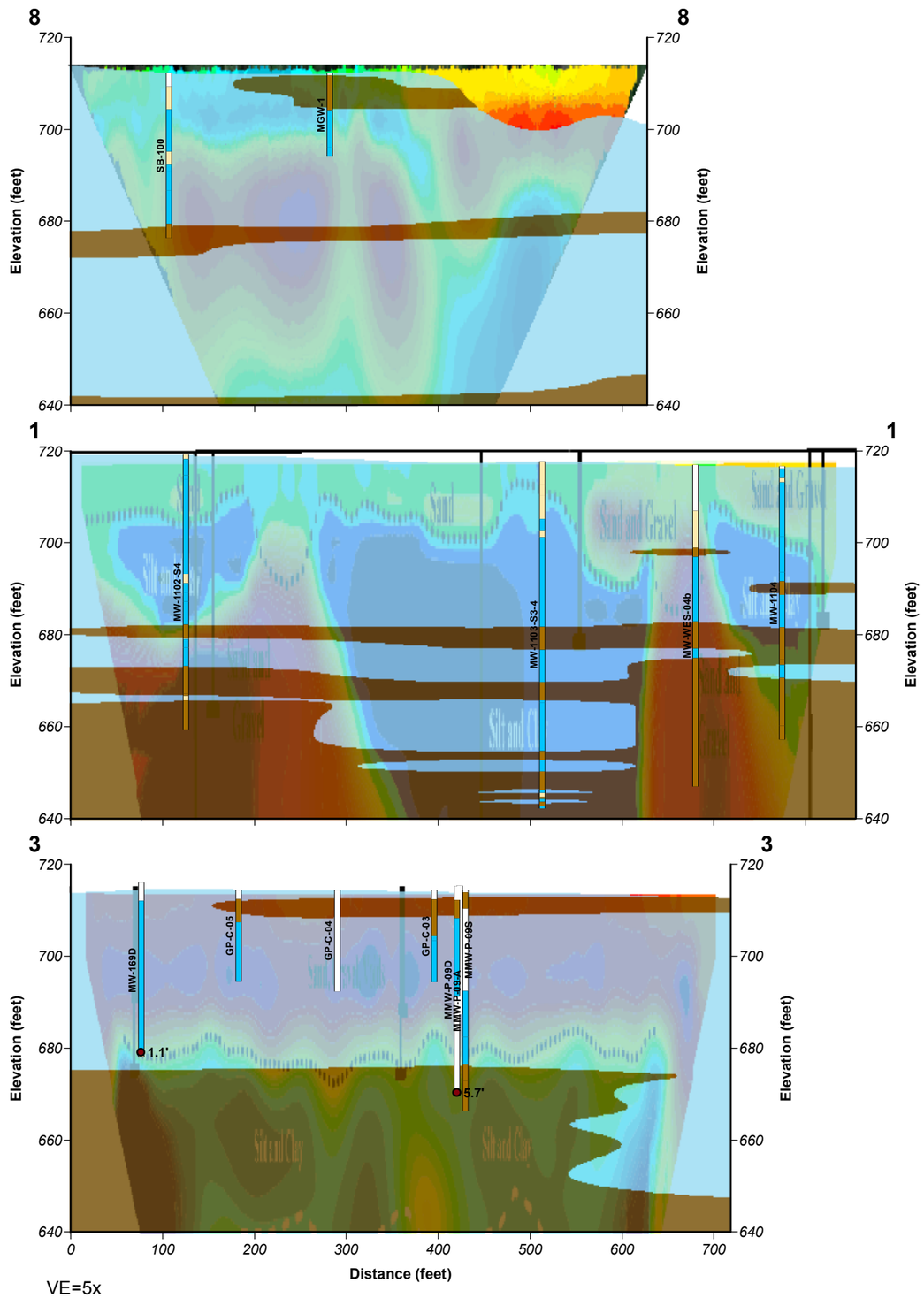

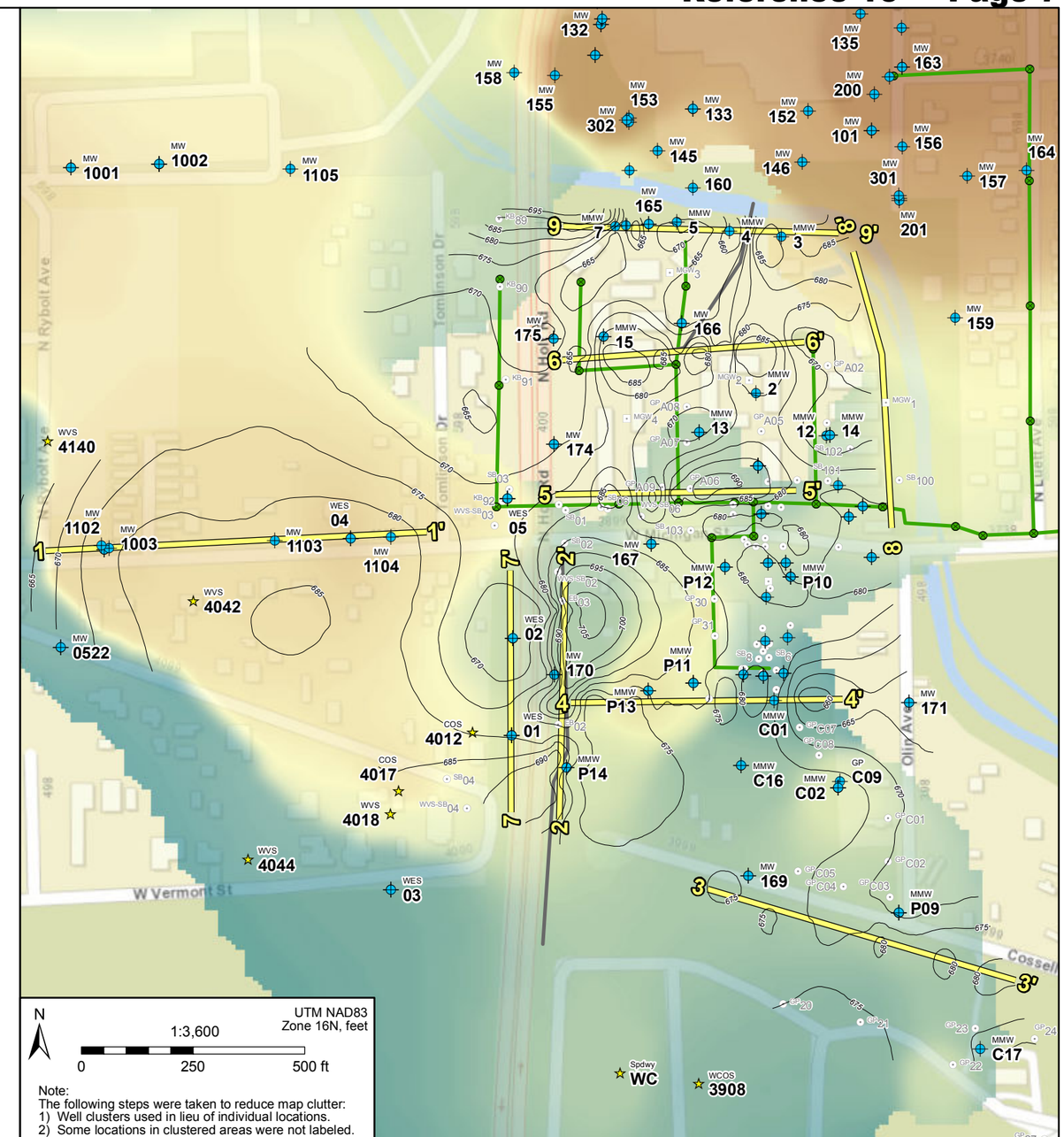

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