Grove Road Landfill Rye, NH

Water Quality Monitoring April through July, 2023

CMA Engineers, Inc.



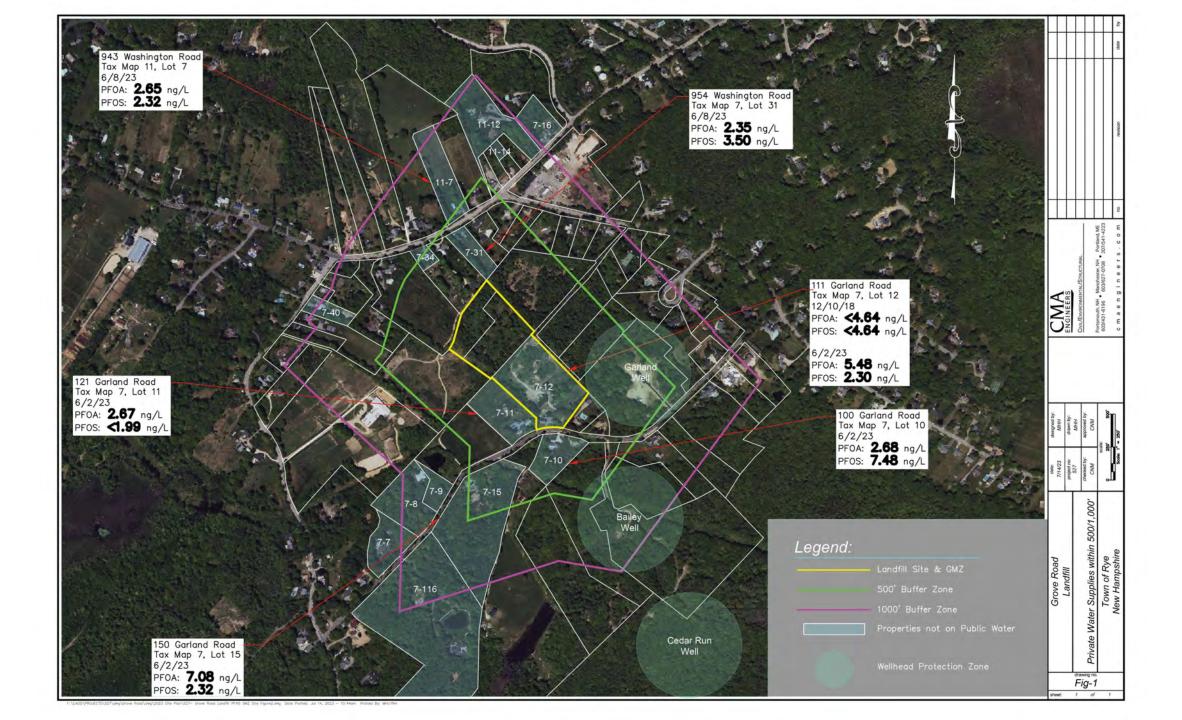
Scope of Investigations

- NHDES Directive March, 2023 Letter
 - Sample Private Water Supplies within 500 Feet of Landfill and GMZ
 - Prepare Updated Site Hydrogeologic Model
 - Graph Pertinent Landfill Water Quality Results
 - Present, including in Graph Form, all Rye Water District water supply source PFAS data since 2017
 - Include items 3 and 4 above in future NHDES permit reports
- Board of Selectmen Request
 - July 17 Simultaneous Sampling with Rye Water District
 - Address, in conceptual fashion, on-site alternatives at the Grove Road Landfill that would reduce or eliminate source of PFAS contamination



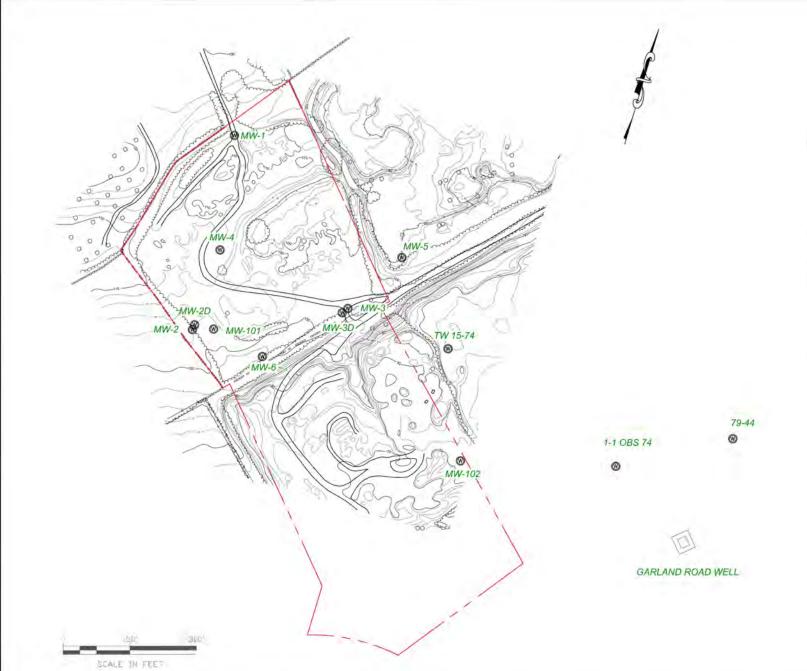
Sample Private Water Supplies within 500 Feet of Landfill and GMZ





Prepare Updated Site Hydrogeologic Model





Notes:

- Base topography by Eastern Topographics, Inc. and provided by Roy F. Weston, Inc.
- Property line survey based on survey performed by Richard P. Millette and Assoc. Inported onto plan using common monitoring points.
- 3. Groundwater Management Zone (GMZ) From Rye Tax map.

Legend:

Edge of Pavement
Treeline

MW-5 Croundwater Monitoring Well

Groundwater Monitoring Zone – 2019

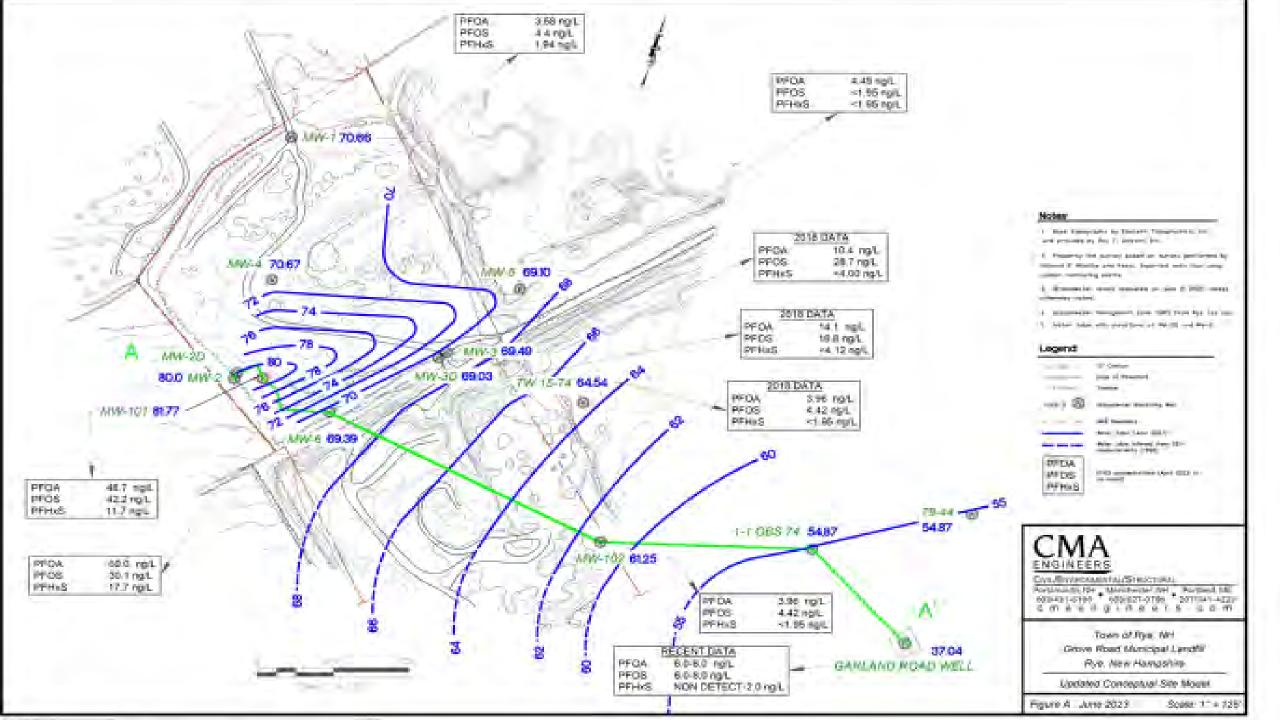
CMA

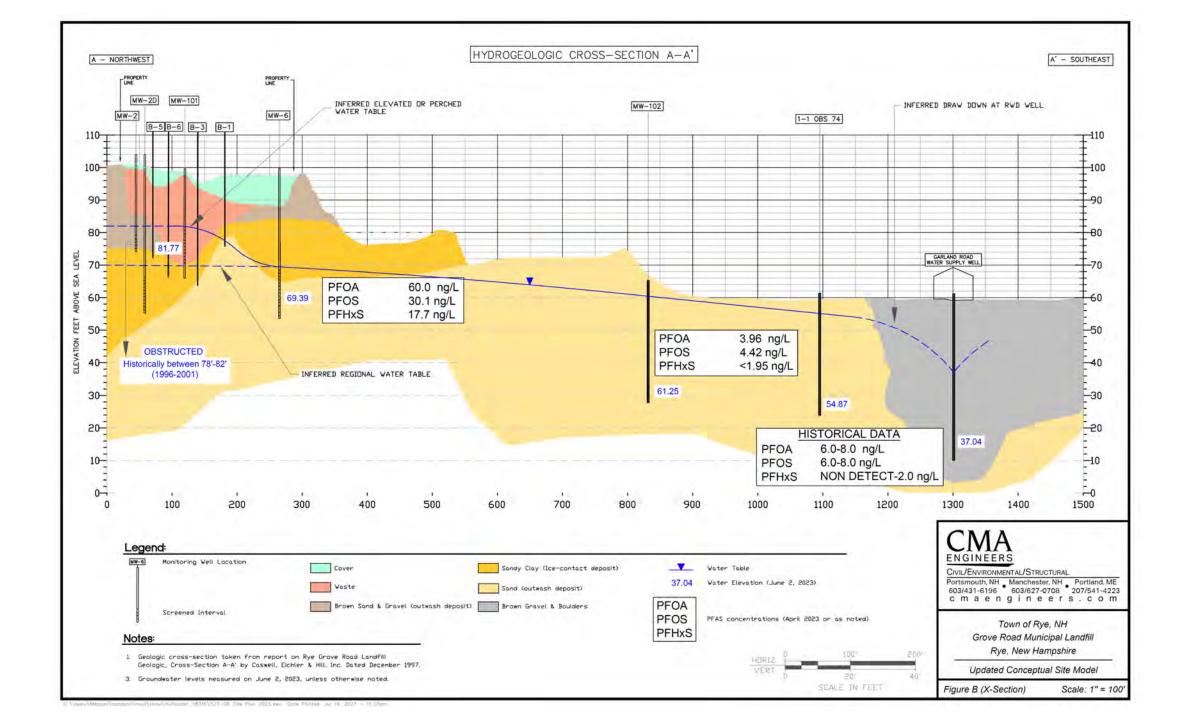
> Town of Rye, NH Grove Road Municipal Landfill Rye, New Hampshire

> > Site Plan

Figure 2 June 2023

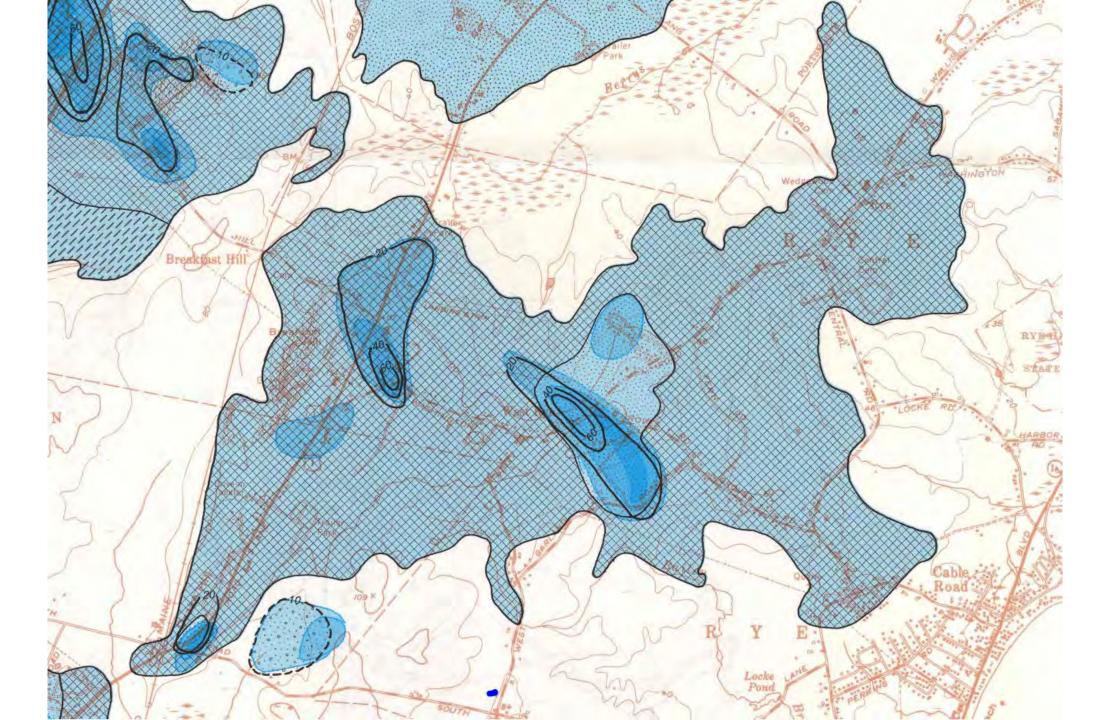
F-VCADDAFFFEEES1S27 dwg (Down Root) | p2/S27-35 St. Pag 2/25 dag (Date Rights 1 1 2/27 - 10 2)pm



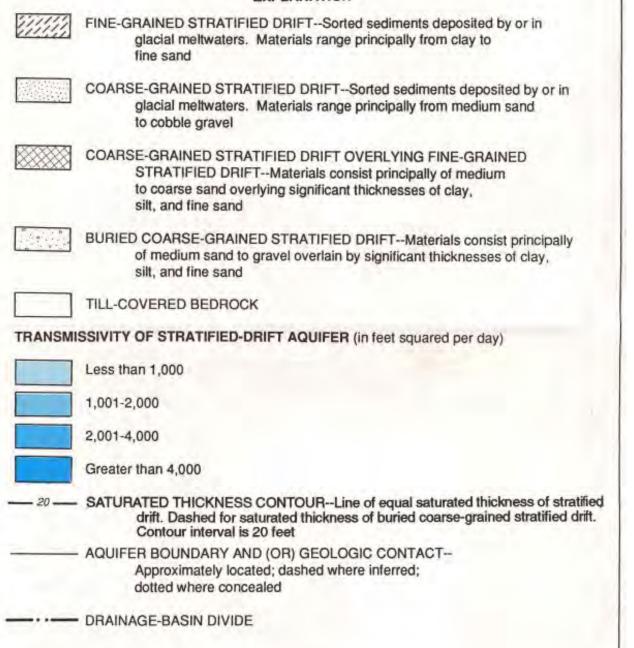


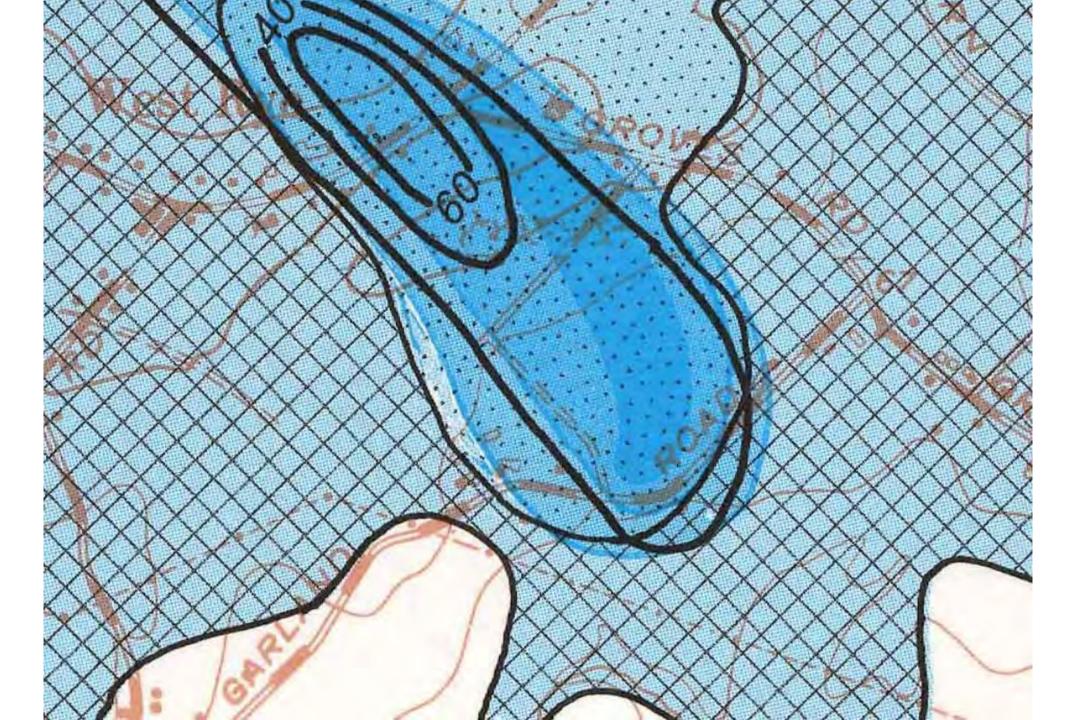
USGS Report 91-4025 Stekl and Flanagan

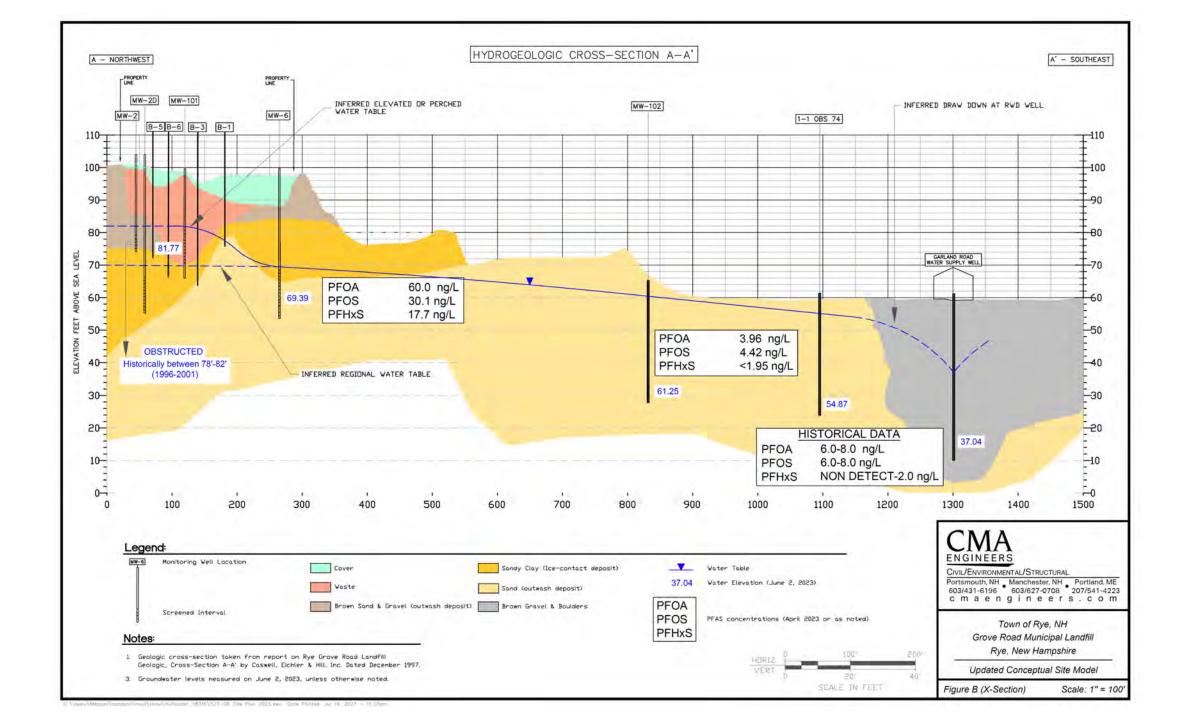
 "Geohydrology and Water Quality of Stratified-drift Aquifers in the Lower Merrimack River and Coastal River Basins, Southeastern, New Hampshire"

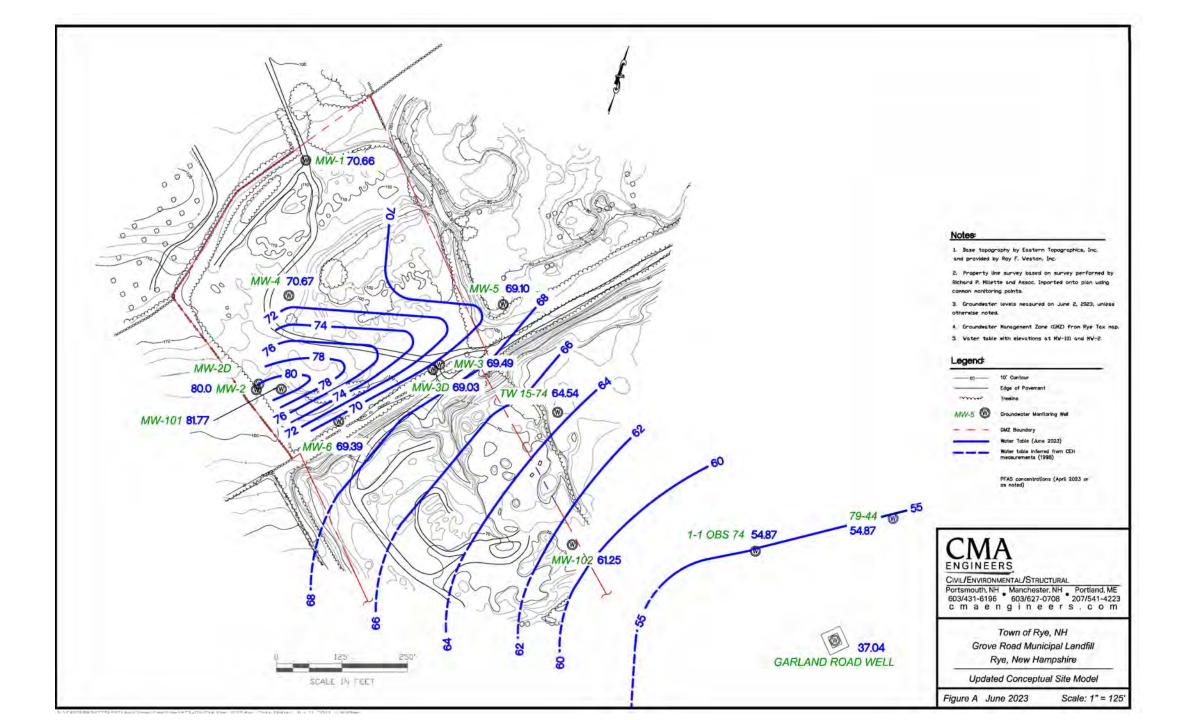


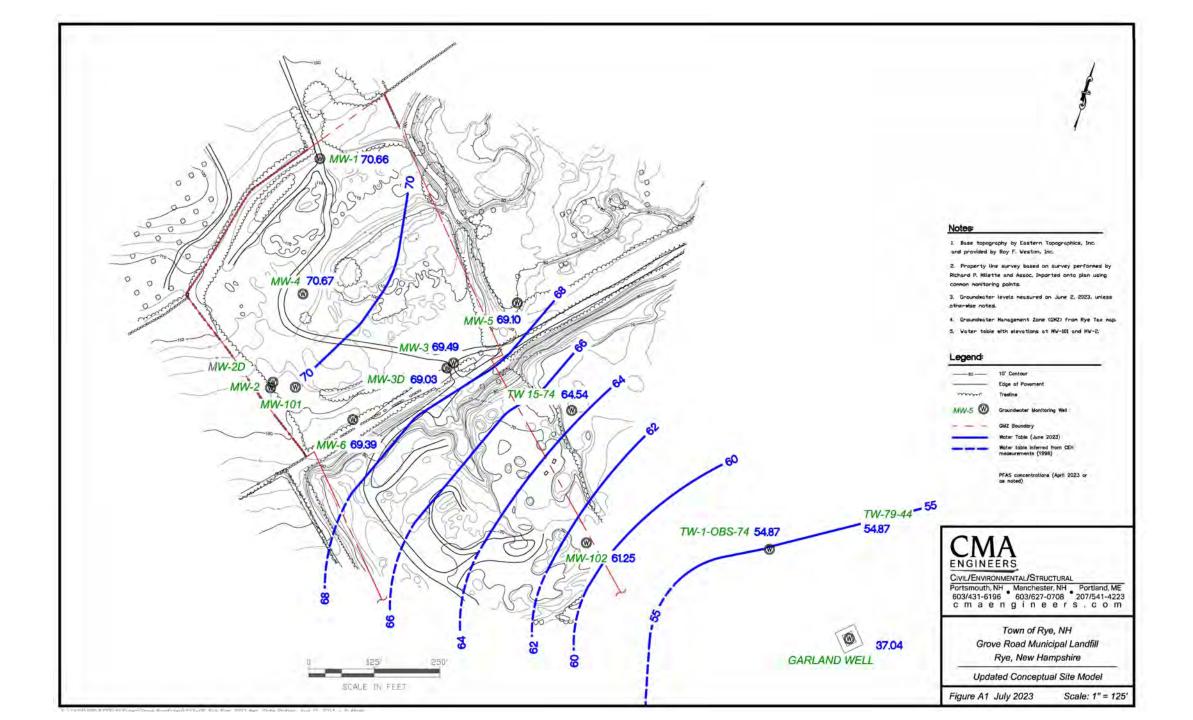
EXPLANATION







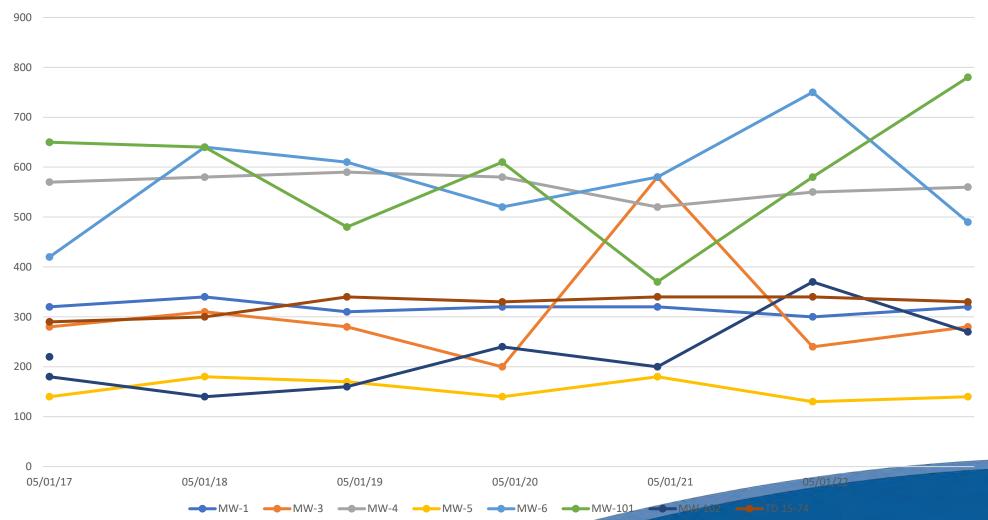




Graph On-Site Monitoring Wells

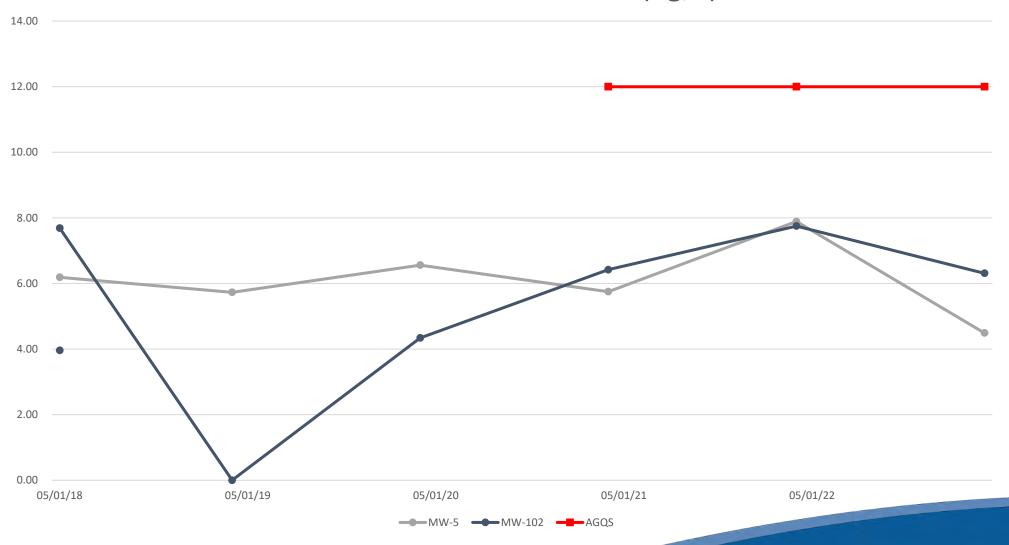


Specific conductance (umhos/cm)



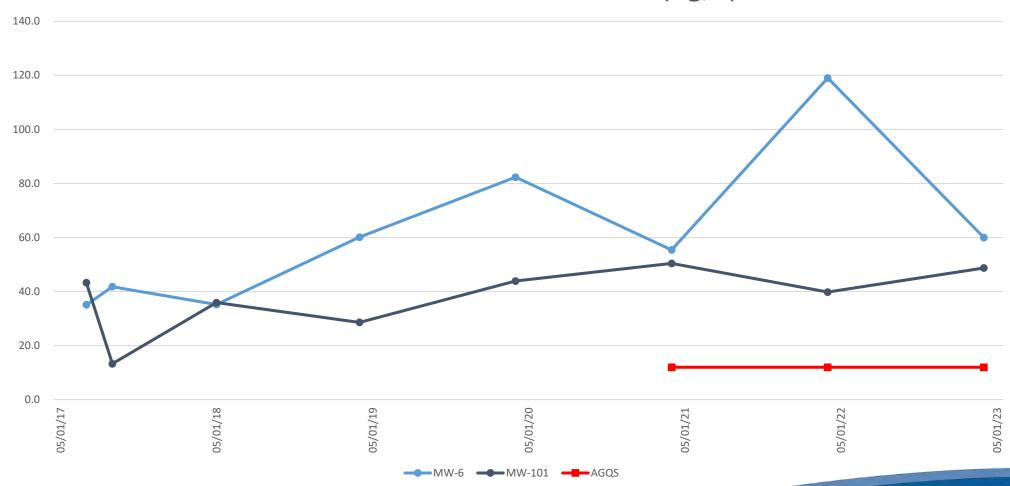


PFOA at MW-5 & MW-102 (ng/L)

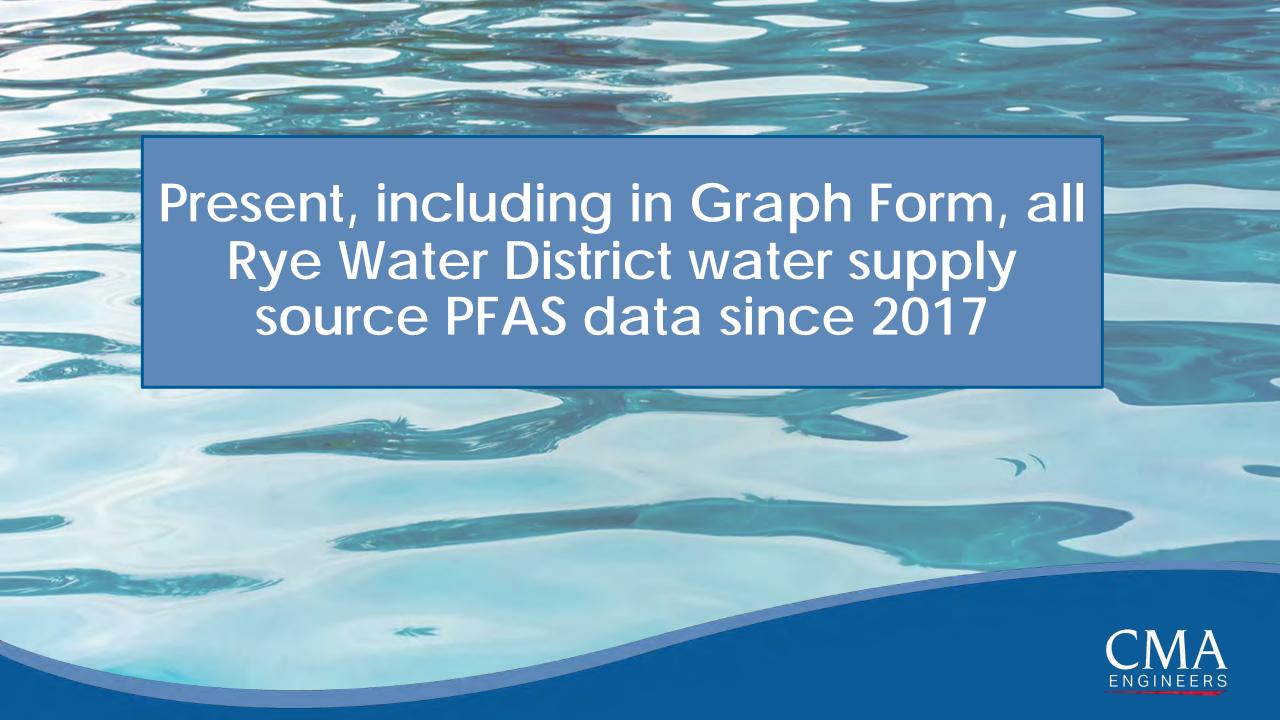




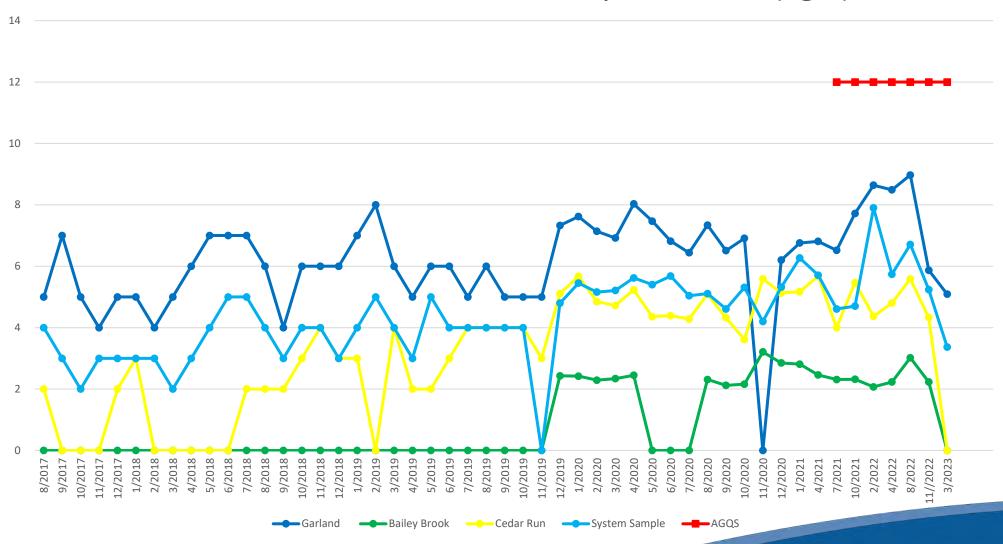
PFOA at MW-6 and MW-101 (ng/L)





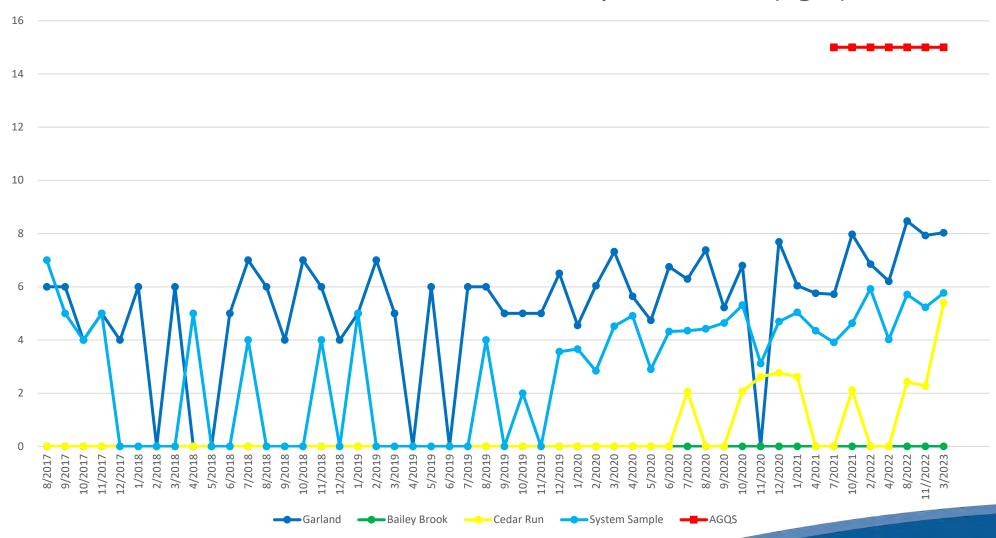


PFOA in RWD Wells and Blended System Water (ng/L)

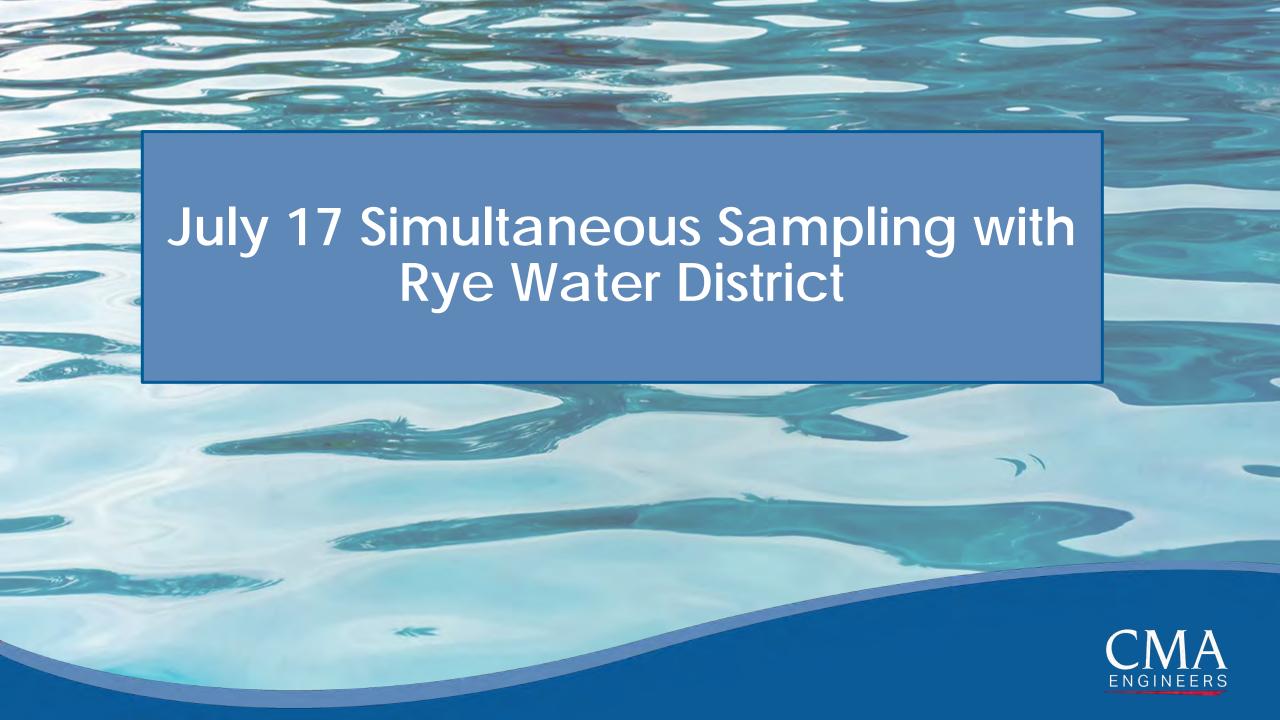


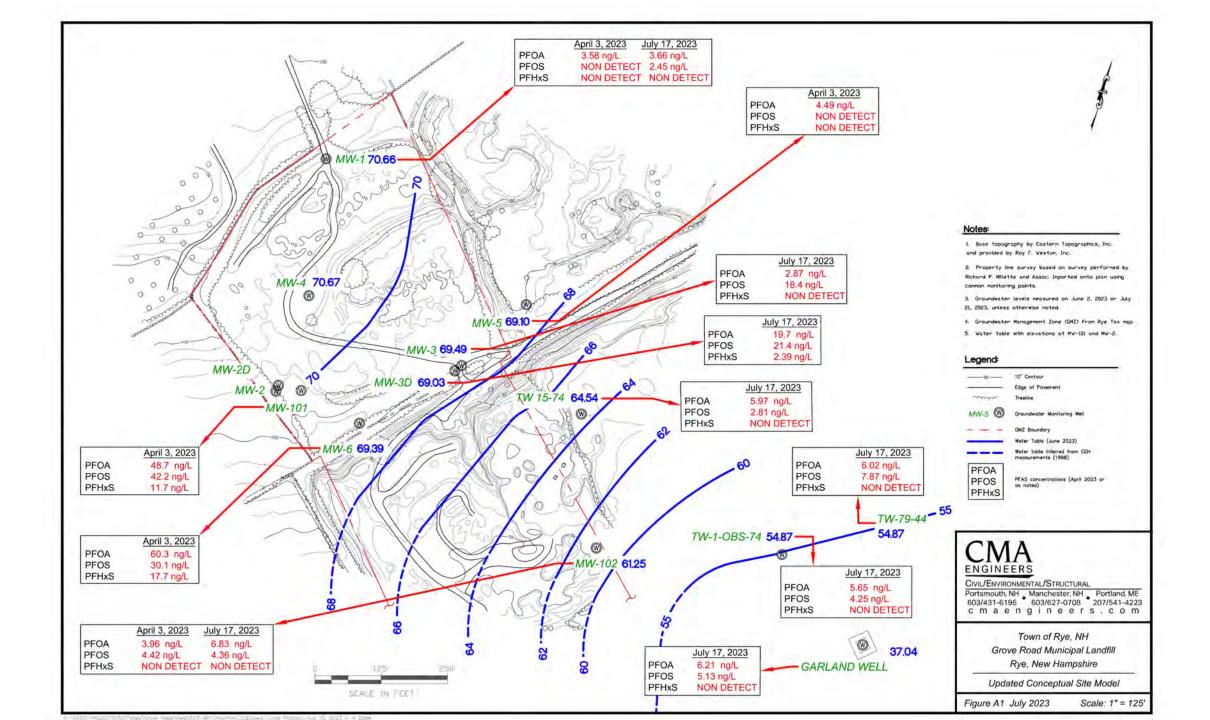


PFOS in RWD Wells and Blended System Water (ng/L)



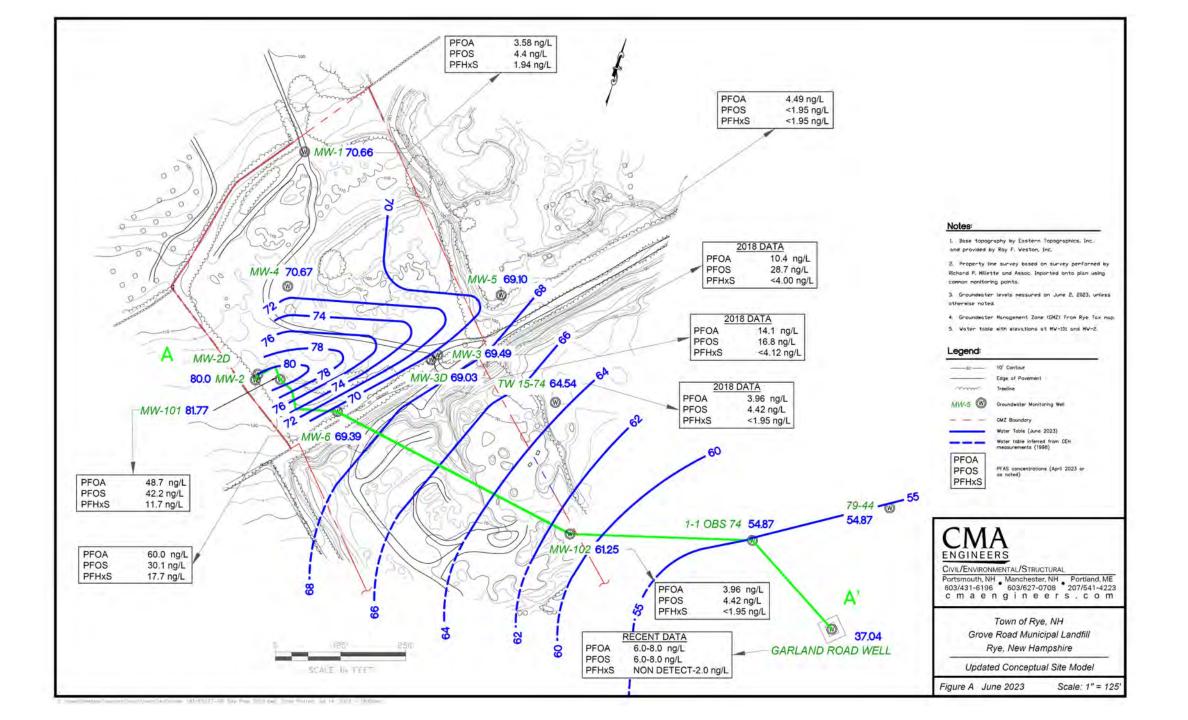


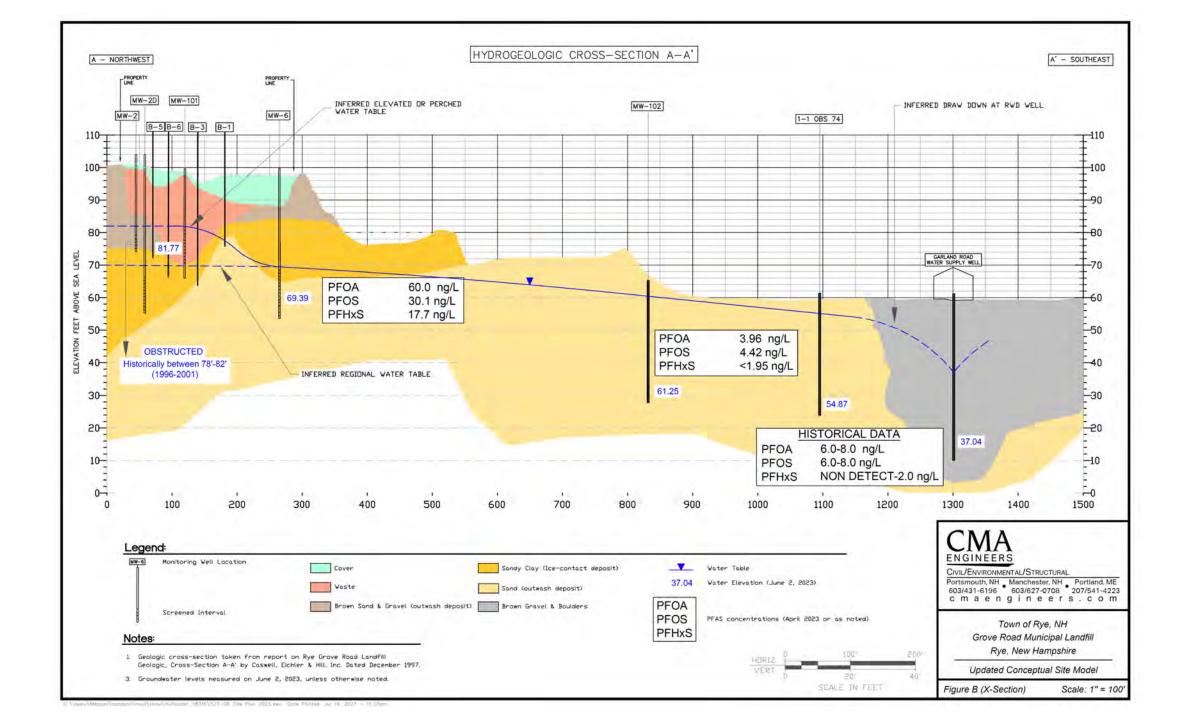




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Questions?

