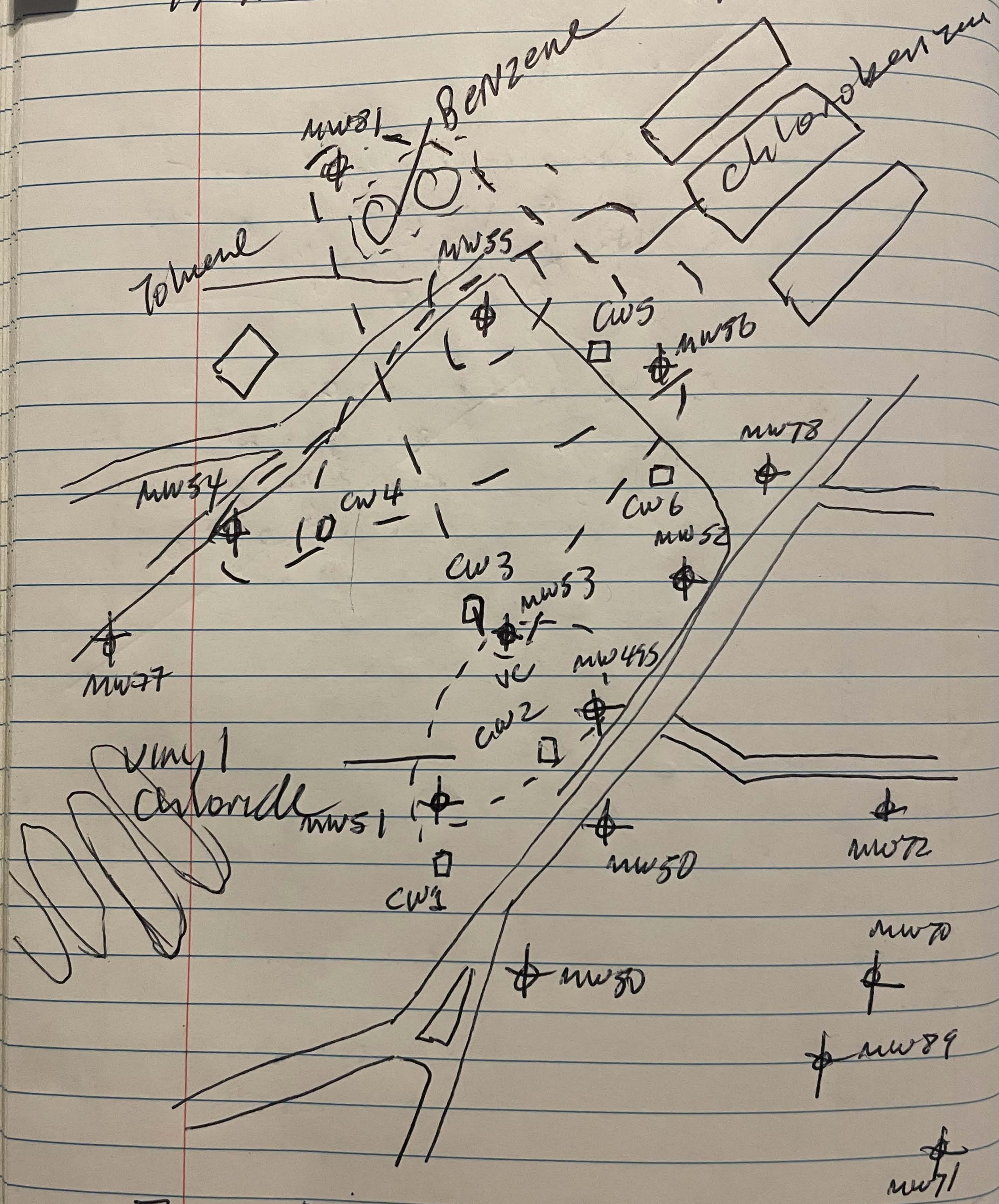
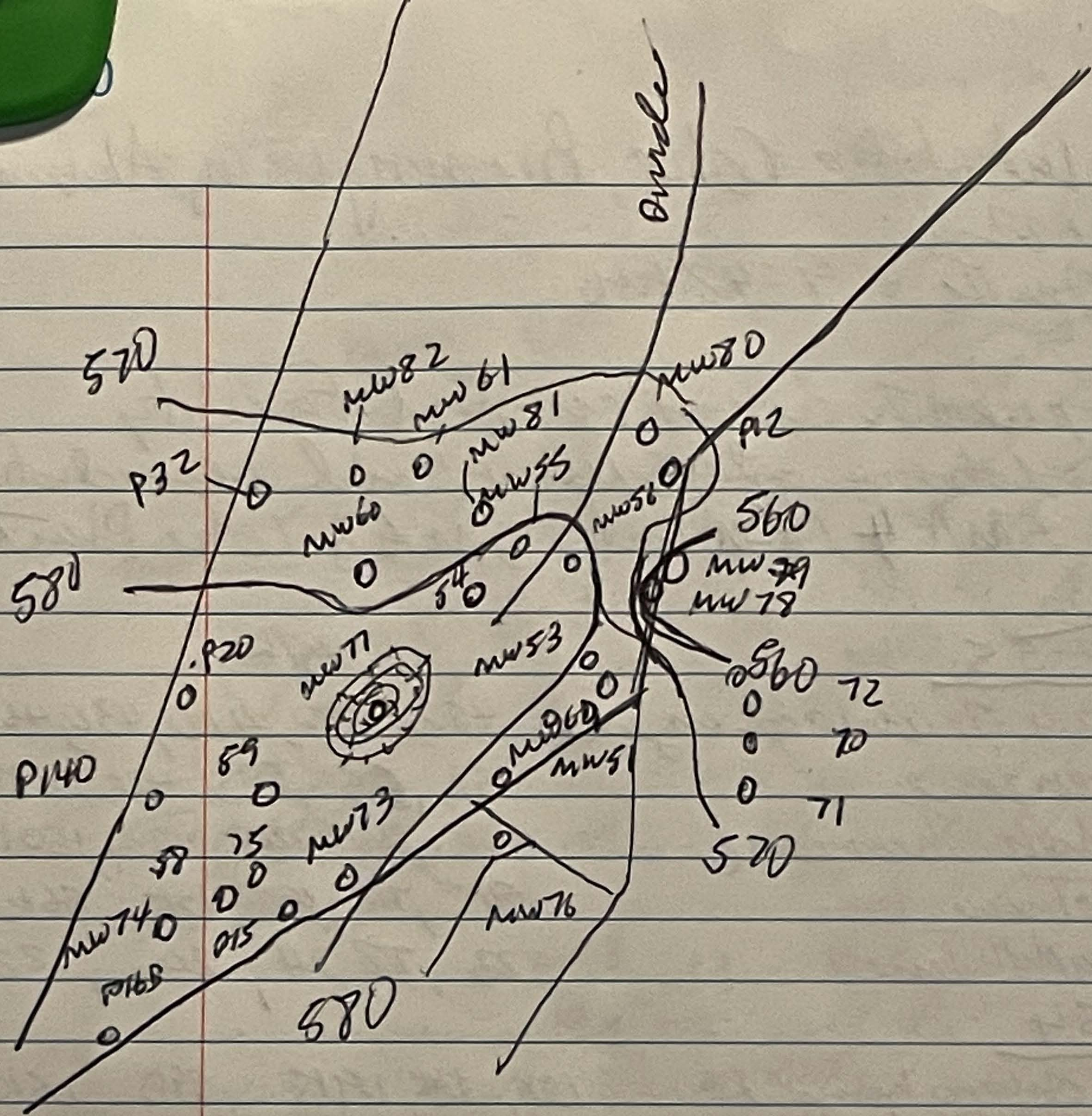
4/14/22

SMA 4 Channel Plant



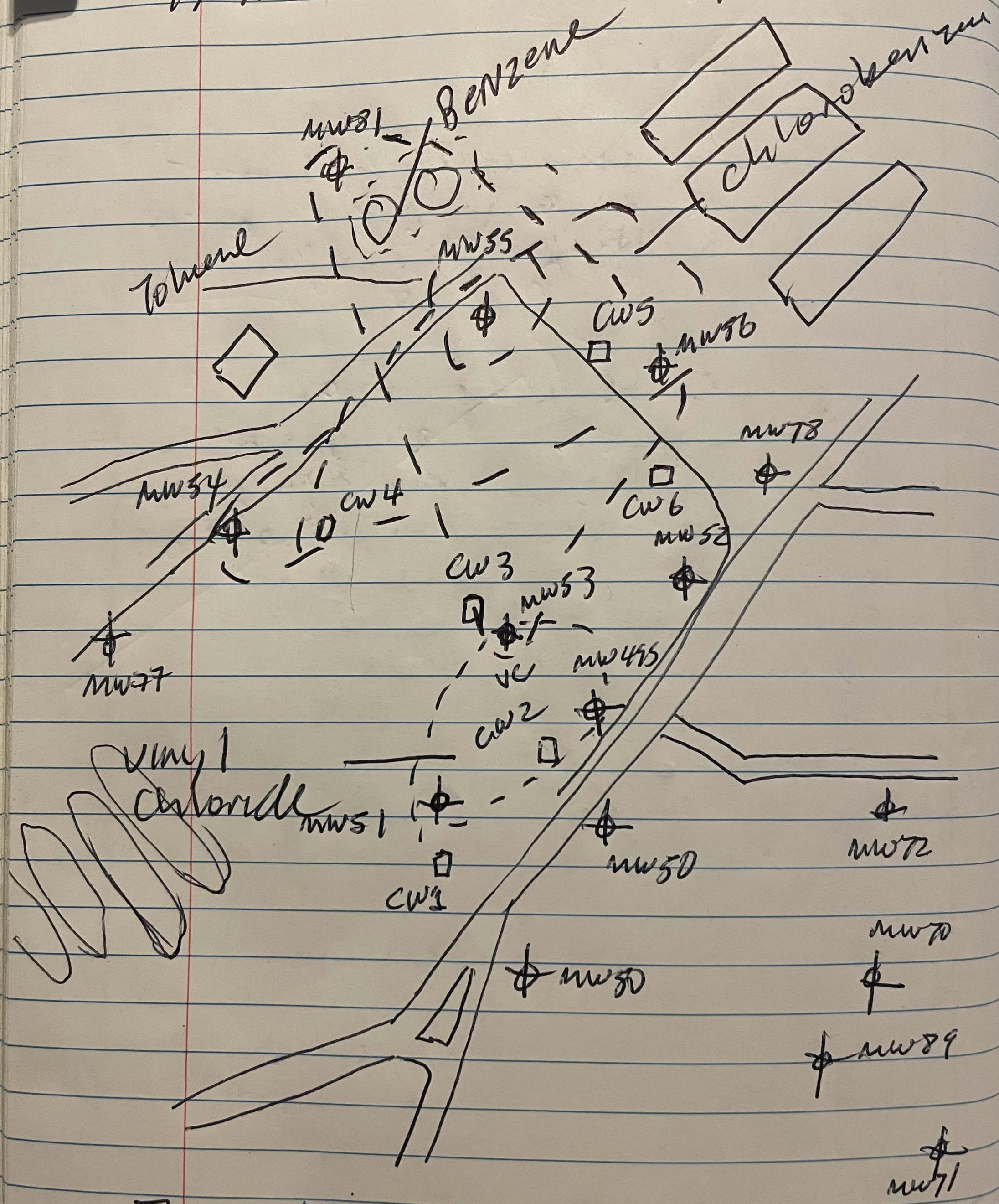
Terri Rippenstein = TerraCon 205 942 128
Dan Wissing = Bluestone Coke
205 516 0348



Exit 140 Buchty's - Bay Pro Shop (BBQ)

4/14/22

SMA 4 Channel Plant



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Dan Wissing = Bluestone Coke
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Bluestone Coke, Birmingham, Alabama

04/14/2022
Onsite: 9=48 hrs

Purpose: To assess current facility conditions at SMA 4 and remediation at SMA 4 ~~CHEM~~ Plant / SMA 3 Coke Plant

2014 Data

	ug/L
MW-35	
1,2,4 Trichlorobenzene	450, 800, 410, 430, 460
Benzene	35K, 55K, 55K, 42K, 61K
chlorobenzene	140K, 200K, 220K, 140K, 160K
Toluene	51K, 71K, 69K, 42K, 56K
Naphthalene	23, 28, 24, 26, 28
MW-54	
chlorobenzene	1.2K, 14K, 19K, 990, 1.5K
Benzene	24, ND, ND
MW-89	
Benzene	6.9, 4.0
MW-86	
Naphthalene	24, 3.9
MW-81	
Benzene	2.7K, 550, 99, 460, 240
MW-56	
Benzene	61K, 23K, 180, 110, 14K
chlorobenzene	160K, 71K, 4.1K, 4.3K, 3.9K
MW-51	
Benzene	
vinyl chloride	230, 290, 330, 230
cis-DCE	40, 49, 67, 120
MW-53	
Benzene	3.6, 4.9, 3.5, 5
chlorobenzene	13, 8.7, 14, 12, 12

Toured SMA 4 Chemical Plant Remediation. 2-Horizontal injection wells 260 ft est. long Injections of Regenox & Retroclaire from both ends. Injection into vadose zone soils beneath slab foundations of chemical plant. This is a pilot study CMI. Delay in second round of injections due to no corporate money. Not sure when 2nd round will occur. Work Plan has details on when confirmatory sampling will occur to assess effectiveness of remediation. If ineffective CMI allows for reevaluation & proposal of different remedial alternative.
Ive toured monitoring wells around chemical plant. Benzene 124 chlorobenzene
We then went to SMA 3 Coke Plant down the coke oven batteries and SWMU Coal Tar Decanters etc (SWMUs 1-12 & SWMU 37)
Discussed Groundwater Plume. Naphthalene, Benzene, ethylbenzene, TCB, PAH. Took photos.
Diesel Spill Area. (Diesel Tank)
CMS has proposal for these constituents that are somewhat different from Chemical Plant.
After SMA 3 we drove to BTF Area to look around. Overgrown. Not much to see.

10:25 site tour.
Chemical Plant - 3 photos
1 - where old Tolman Tinker Benzene Tank
1 - MW55
1 - chemical plant area
1 - 2 injection boxs
1 - photo in direction of horizontal wells
1 - photo injection pipe
1 - 2 injection pipes
Injections occurred from both ends of the pipe.

Jan/Feb 21 injection amendments
Quarterly Groundwater Monitoring
sulfate, pH and ~~3 metals~~ iron MW 71, 72, 73, 89
via injection permit

2010 demolished chem plant infrastructure

Regenesis Discontinuing Petrocleanz
continuing to use Regenox
Petrocleanz is an enhancement and a surfacant.

photos Coke plant area
coal tar decanter

We concluded site tour at 12:00 EST
I left site at 12:35 after updating
fieldbook