



MBM - MONITORING BENCHMARK  
 ● 1/2 INCH IRON ROD 4 FEET LONG  
 INSIDE 4 INCH PVC SLEEVE WITH CAP  
 COUNTERSUNK 4 TO 6 INCHES

TBM "W2A":  
 Top of Northeast Bolt on Signal Light Pole at the centerline of median on the East side of Cat's Cradle Drive and the centerline of Research Forest Drive.  
 Elevation = 149.35' (SJRA Project Vertical Control Datum)

SJRA SEGMENT W2A GEOLOGICAL MONITORING SURVEY

POINT ID	INITIAL SURVEY MARCH, 2015 ELEV.	SEPTEMBER, 2015 ELEV.	MARCH, 2016 ELEV.	SEPTEMBER, 2016 ELEV.	APRIL, 2017 ELEV.	SEPTEMBER, 2017 ELEV.	MARCH, 2018 ELEV.	SEPTEMBER, 2018 ELEV.	MARCH, 2019 ELEV.	SEPTEMBER, 2019 ELEV.	MARCH, 2020 ELEV.	NOVEMBER, 2020 ELEV.	MARCH, 2021 ELEV.	SEPTEMBER, 2021 ELEV.	MARCH, 2022 ELEV.	SEPTEMBER, 2022 ELEV.	MARCH, 2023 ELEV.	SEPTEMBER, 2023 ELEV.
MBM-1	142.59	142.58	142.58	142.58	142.58	142.57	142.58	142.58	142.58	142.57	142.57	142.56	142.56	142.55	142.55	142.52	142.52	142.49
MBM-2	142.80	142.79	142.79	142.79	142.79	142.79	142.79	142.79	142.79	142.78	142.79	142.78	142.78	142.77	142.77	142.73	142.73	142.68
MBM-3	143.31	143.30	143.30	143.30	143.30	143.29	143.30	143.29	143.30	143.28	143.29	143.28	143.27	143.26	143.27	143.23	143.23	143.18
MBM-4	143.35	143.34	143.33	143.33	143.33	143.33	143.33	143.32	143.31	143.31	143.31	143.30	143.30	143.28	143.28	143.26	143.26	143.21
MBM-5	143.85	143.84	143.84	143.84	143.84	143.84	143.84	143.83	143.84	143.83	143.82	143.81	143.82	143.81	143.81	143.77	143.78	143.73
MBM-6	144.14	144.13	144.13	144.13	144.14	144.13	144.13	144.12	144.13	144.12	144.12	144.11	144.11	144.11	144.11	144.07	144.08	144.04
MBM-7	144.29	144.28	144.28	144.29	144.29	144.28	144.28	144.28	144.28	144.27	144.27	144.26	144.26	144.26	144.26	144.23	144.23	144.19
MBM-8	145.20	145.18	145.19	145.19	145.19	145.19	145.19	145.17	145.19	145.17	145.17	145.16	145.17	145.16	145.16	145.12	145.13	145.10
MBM-9	145.51	145.51	145.50	145.50	145.50	145.50	145.50	145.50	145.50	145.49	145.49	145.48	145.48	145.48	145.48	145.45	145.44	145.42
MBM-10	145.63	145.62	145.62	145.62	145.62	145.62	145.62	145.61	145.61	145.61	145.60	145.60	145.60	145.63	145.59	145.55	145.56	145.52
MBM-11	146.16	146.14	146.15	146.15	146.15	146.14	146.14	146.12	146.14	146.12	146.13	146.11	146.12	146.11	146.12	146.09	146.12	146.08
MBM-12	145.42	145.41	145.42	145.41	145.42	145.41	145.41	145.40	145.41	145.39	145.40	145.38	145.38	145.38	145.39	145.36	145.38	145.36
MBM-13	145.00	145.00	145.00	145.00	145.00	145.00	145.00	145.00	145.00	145.00	145.00	144.99	145.00	145.00	144.99	145.00	144.99	144.99
MBM-14	144.99	144.99	144.99	144.99	144.99	144.99	144.99	144.98	144.99	144.98	144.98	144.98	144.98	144.98	144.99	144.97	144.98	144.97
MBM-15	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.79	144.78
MBM-16	144.78	144.77	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.78	144.77	144.78	144.77
MBM-17	144.79	144.78	144.79	144.78	144.79	144.79	144.79	144.79	144.79	144.78	144.78	144.78	144.79	144.79	144.79	144.78	144.79	144.78
MBM-18	144.55	144.54	144.55	144.54	144.55	144.55	144.55	144.54	144.55	144.54	144.55	144.54	144.55	144.54	144.55	144.54	144.54	144.53
MBM-20	145.86	145.85	145.85	145.85	145.85	145.84	145.84	145.84	145.84	145.83	145.84	145.83	145.83	145.82	145.82	145.79	145.79	145.75

NOTES:  
 1. All elevations are referenced to the SJRA Groundwater Reduction Plan Project Vertical Control Datum. Project Benchmark: SJRA Benchmark No. 5, Elevation = 212.00 feet.

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DATE: FEBRUARY 27, 2015  
 SCALE: 1" = 20'  
 DRAWING No.: 2038-D-  
 JOB No.: 1420224, 2020163 & 2220031  
 SHEET No.: 1 OF 1