



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)

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.

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. |
|----------|--|--------------------------|----------------------|--------------------------|----------------------|--------------------------|----------------------|--------------------------|----------------------|--------------------------|----------------------|-------------------------|----------------------|--------------------------|----------------------|--------------------------|
| 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 |
| 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 |
| 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 |
| MBM-4 | 143.35 | 143.34 | 143.33 | 143.33 | 143.33 | 143.33 | 143.33 | 143.32 | 143.33 | 143.31 | 143.31 | 143.30 | 143.30 | 143.28 | 143.30 | 143.26 |
| 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 |
| 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 |
| 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 |
| 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 |
| MBM-9 | 145.51 | 145.51 | 145.50 | 145.50 | 145.50 | 145.50 | 145.50 | 145.50 | 145.49 | 145.50 | 145.49 | 145.49 | 145.48 | 145.48 | 145.48 | 145.45 |
| 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 |
| 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 |
| 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 |
| 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 | 145.00 | 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 |
| 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 |
| 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 |
| MBM-17 | 144.79 | 144.78 | 144.79 | 144.78 | 144.79 | 144.79 | 144.79 | 144.78 | 144.79 | 144.78 | 144.78 | 144.78 | 144.79 | 144.79 | 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 |
| 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 |

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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