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

SJRA SEGMENT W1A 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.
MBM-1	189.24	189.23	189.23	189.23	189.23	189.23	189.23	189.23	189.24	189.24	
MBM-2	189.27	189.27	189.26	189.26	189.26	189.27	189.26	189.26	189.27	189.27	
MBM-3	189.45	189.45	189.44	189.44	189.44	189.45	189.44	189.45	189.45	189.44	
MBM-4	189.73	189.73	189.72	189.72	189.72	189.73	189.72	189.72	189.73	189.73	
MBM-5	190.41	190.41	190.40	190.40	190.40	190.40	190.40	190.40	190.40	190.39	
MBM-6	190.26	190.26	190.26	190.26	190.26	190.26	190.26	190.26	190.26	190.26	
MBM-7	188.81	188.81	188.81	188.80	188.81	188.81	188.81	188.80	188.81	188.80	
MBM-8	188.28	188.28	188.28	188.28	188.28	188.28	188.28	188.28	188.28	188.28	
MBM-9	187.93	187.92	187.92	187.92	187.92	187.92	187.92	187.92	187.92	187.92	
MBM-10	187.76	187.76	187.76	187.76	187.76	187.76	187.76	187.76	187.76	187.76	
MBM-11	188.00	187.98	187.96	187.96	187.95	187.95	187.94	187.93	187.93	187.91	
MBM-12	187.77	187.76	187.76	187.76	187.76	187.76	187.76	187.75	187.76	187.75	
MBM-13	187.50	187.50	187.50	187.49	187.49	187.49	187.49	187.49	187.50	187.49	
MBM-14	187.75	187.74	187.74	187.74	187.74	187.74	187.74	187.73	187.74	187.73	
MBM-15	188.49	188.49	188.49	188.49	188.49	188.48	188.49	188.48	188.49	188.48	
MBM-16	187.86	187.85	187.85	187.85	187.85	187.84	187.85	187.84	187.85	187.84	
MBM-17	189.31	189.31	189.30	189.30	189.30	189.30	189.30	189.30	189.30	189.30	
MBM-18	189.75	189.74	189.74	189.74	189.74	189.74	189.74	189.74	189.74	189.73	
MBM-19	189.32	189.32	189.31	189.31	189.31	189.31	189.31	189.31	189.32	189.31	
MBM-20	188.55	188.55	188.54	188.54	188.54	188.54	188.54	188.54	188.54	188.54	

TBM "W1A": DESTROYED SEE NOTE 2.
Top of South Bolt on Signal Light Pole at the southeast corner of Research Forest Drive and FM 2978.
Elevation = 195.68' (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.

2. TBM "W1A" was destroyed between September, 2018 and March, 2019, due to the construction of new road widening at the intersection of FM 2978 and Research Forest Drive. SJRA BM 30 has been observed throught the monitoring and will be used for benchmark for the remaining duration. Refer to SJAR GRP Program Survey Monumentation System handbook for BM 30.

LANDTECH, INC.
Civil Engineering * Land Surveying
2525 North Loop West
Suite 300
Houston, Texas 77008
Tel. (713) 861-7068 Fax (713) 861-4131
TBPLS FIRM REGISTRATION NO. 10019100

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

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