

MW-3A 8/25/12 (p.1)

<u>Time</u>	<u>Depth</u> @ 586PM	<u>Time</u>	<u>Depth</u>
Initial	37.92 37.87	10:00	39.65
:15	38.80	20:00	39.84
:30	38.95	30:00	39.94
:45	39.05	40:00	40.25
1:00	39.11	50:00	40.02
1:15	39.16	60:00	40.03
1:30	39.20	60:15	40.45
1:45	39.23	60:30	40.67
2:00	39.27	60:45	40.75
2:15	39.30	61:00	40.82
2:30	39.34	61:15	40.95
2:45	39.34	61:30	40.87
3:00	39.36	61:45	40.92
3:15	39.38	62:00	40.93
3:30	39.40	62:15	40.95
3:45	39.41	62:30	40.96
4:00	39.42	62:45	40.97
4:15	39.44	63:00	40.99
4:30	39.46	63:15	41.00
4:45	39.47	63:30	41.01
5:00	39.48	63:45	41.02
5:30	39.51	64:00	41.03
6:00	39.53	64:15	41.04
6:30	39.55	64:30	41.05
7:00	39.56	64:45	41.06
8:00	39.64	65:00	41.07
9:00	39.63		

* GPM turned back to 458

41:20 - 40.05

Train @ 48:00

Pump turned up to 600 gpm

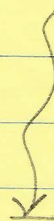
MW-3A

0125112

(p.2)

	<u>T</u>	<u>DTW</u>	<u>t</u>	<u>DTW</u>
	6530	41.08	12400	42.81
	6600	41.09	12415	42.82
	6630	41.10	12430	42.83
	6700	41.11	12445	42.85
	6800	41.14	12500	42.86
	6900	41.17	12530	42.88
	7000	41.19	12600	42.90
	8000	41.32	12630	42.90
	9000	41.41	12700	42.90
	10000	41.47	12800	42.93
	11000	41.53	12900	42.97
150 gpm	12000	41.57	13000	43.01
	12015	42.07	14000	43.19
	12030	42.30	15000	43.31
	12045	42.43	16000	43.39
	12100	42.49	17000	43.47
	12115	42.55	18000	43.52
	12130	42.59		
	12145	42.61		
	12200	42.66		
	12215	42.67		
	12230	42.70		
	12245	42.71		
	12300	42.74		
	12315	42.77		
	12330	42.79		
	12345	42.80		

*train after
reading
@ 12600



MW-1A

P.2

m:miss

m:miss

t	WL (ft)	t	WL (ft.)
64:45	38.83	123:15	39.83
65:00	38.85	123:30	39.85
65:30	38.86	123:45	39.86
66:00	38.87	124:00	39.87
66:30	38.87	124:15	39.89
67:00	38.89	124:30	39.90
68:00	38.92	124:45	39.91
69:00	38.94	125:00	39.92
70:00	38.95	125:30	39.93
80:00	39.08	126:00	39.94
90:00	39.18	126:30	39.94
100:00	39.23	127:00	39.95
110:00	39.31	128:00	39.98
120:00	39.34	129:00	40.02
120:15	39.44	130:00	40.06
120:30	39.48	140:00	40.23
120:45	39.55	150:00	40.30
121:00	39.61	160:00	40.39
121:15	39.66	170:00	40.46
121:30	39.70	180:00	40.51
121:45	39.75		
122:00	39.77		
122:15	39.79		
122:30	39.80		
122:45	39.81		
123:00	39.82		

TRAIN



150 gpm

Step Test
MW-1A

(p.1)

8/25/12

DTW_{initial} 37.10 ft

	<u>Time</u>	<u>WL (ft)</u>	<u>t</u>	<u>WL (ft)</u>
50gpm	0	37.10	9:00	37.94
	0:15	37.24	10:00	37.96
	0:30	37.34	20:00	38.15
	0:45	37.40	30:00	38.24
	1:00	37.45	40:00	38.43
	1:15	37.50	decrease in ϕ train @ 09:35 (t ≈ 42:00)	
	1:30	37.55		
	1:45	37.58	50:00	38.35
	2:00	37.60	60:00	38.42
	2:15	37.62	60:15	38.43
	2:30	37.65	60:30	38.51
	2:45	37.65	60:45	38.56
	3:00	37.67	61:00	38.60
	3:15	37.69	61:15	38.64
	3:30	37.70	61:30	38.66
	3:45	37.72	61:45	38.70
	4:00	37.73	62:00	38.71
	4:15	37.75	62:15	38.72
	4:30	37.76	62:30	38.73
	4:45	37.77	62:45	38.75
	5:00	37.78	63:00	38.76
	5:15	37.80	63:15	38.77
	5:30	37.82	63:30	38.79
	6:00	37.85	63:45	38.80
	6:30	37.85	64:00	38.81
	7:00	37.88	64:15	38.82
	8:00	37.91	64:30	38.83

100gpm