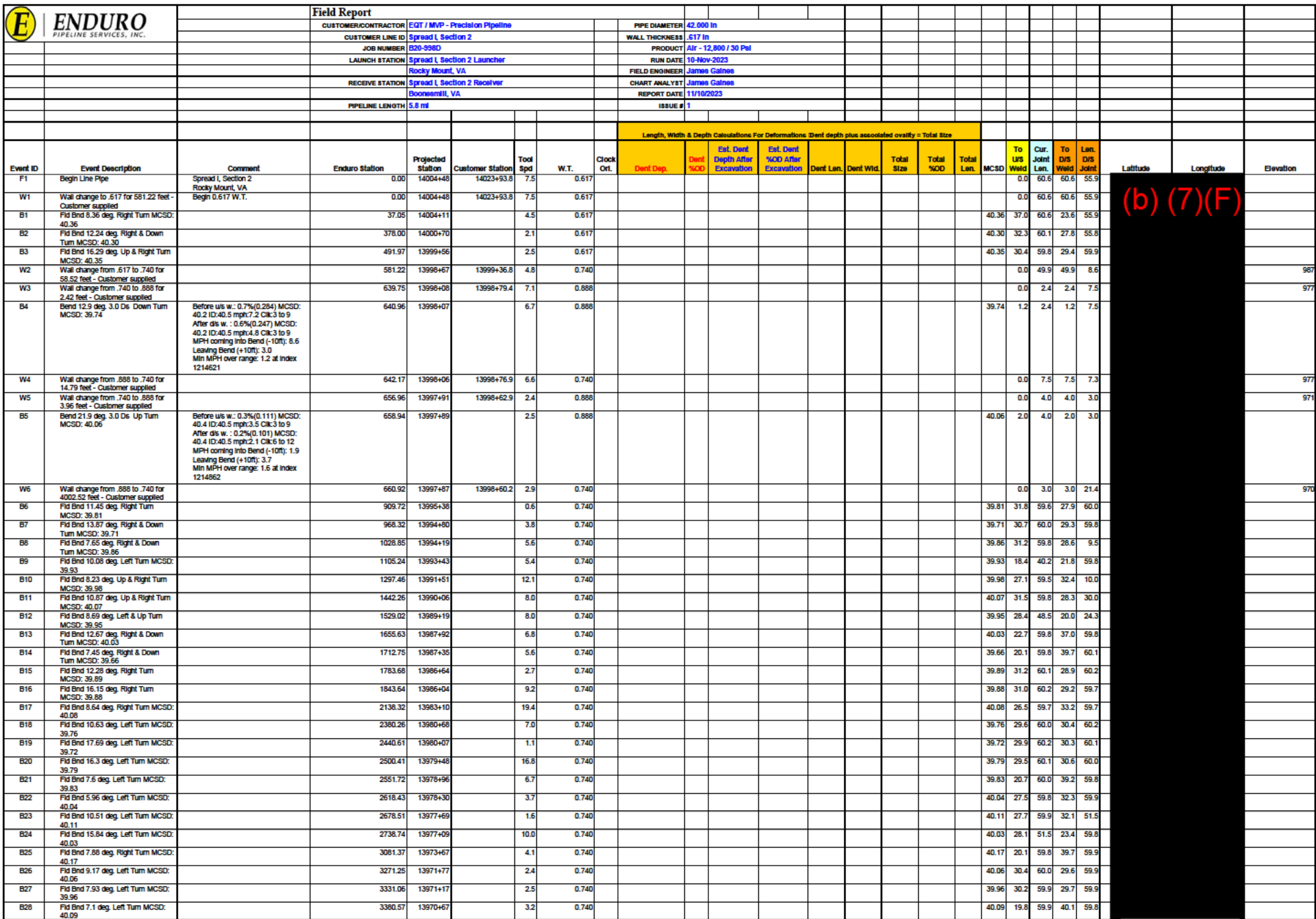




Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Off.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSD	To LWS Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint	Latitude	Longitude	Elevation
B29	Fid Bnd 5.69 deg. Right Turn MCSD: 40.18		3631.42	13966+17		4.2	0.740											40.18	31.3	59.8	28.5	60.1	(b) (7)(F)		
B30	Fid Bnd 13.75 deg. Right Turn MCSD: 40.13		3690.58	13967+57		2.5	0.740											40.13	30.7	60.1	29.4	59.8			
B31	Fid Bnd 7.56 deg. Right Turn MCSD: 40.19		4462.54	13959+85		1.1	0.740											40.19	26.3	47.1	29.8	60.2			
B32	Fid Bnd 12.05 deg. Right Turn MCSD: 40.03		4515.77	13959+32		3.5	0.740											40.03	32.4	60.2	27.8	60.1			
B33	Fid Bnd 9.15 deg. Right Turn MCSD: 40.17		4564.26	13958+84		2.8	0.740											40.17	20.7	60.1	39.3	59.8			
W7	Wall change from .740 to .888 for 80.27 feet - Customer supplied		4663.44	13967+85	13958+69.0	3.5	0.888												0.0	40.1	40.1	40.1			1096
W8	Wall change from .888 to .740 for 3316.38 feet - Customer supplied		4743.72	13967+04	13957+88.8	5.0	0.740												0.0	60.1	60.1	45.4			1096
B34	Fid Bnd 13.8 deg. Right Turn MCSD: 39.98		4775.12	13956+73		10.7	0.740											39.98	31.4	60.1	28.7	45.4			
B35	Fid Bnd 7.25 deg. Up & Right Turn MCSD: 40.12		5478.79	13949+69		5.0	0.740											40.12	38.8	59.7	20.9	60.0			
B36	Fid Bnd 6.53 deg. Right Turn MCSD: 40.16		5524.69	13949+23		3.9	0.740											40.16	25.0	60.0	35.0	59.8			
B37	Fid Bnd 11.15 deg. Right Turn MCSD: 40.26		5889.52	13945+58		1.8	0.740											40.26	33.0	58.3	25.2	59.8			
B38	Fid Bnd 8.5 deg. Right Turn MCSD: 40.02		6117.81	13943+30		1.5	0.740											40.02	23.9	60.1	36.2	59.8			
B39	Fid Bnd 8.21 deg. Left Turn MCSD: 40.25		6412.00	13940+36		4.3	0.740											40.25	18.9	60.0	41.1	59.8			
B40	Fid Bnd 11.49 deg. Left Turn MCSD: 39.97		6777.56	13936+70		5.1	0.740											39.97	25.2	60.0	34.8	59.8			
B41	Fid Bnd 9.16 deg. Right Turn MCSD: 40.11		7072.48	13933+76		3.3	0.740											40.11	20.7	59.8	39.1	59.7			
B42	Fid Bnd 10.65 deg. Left Turn MCSD: 39.97		7676.73	13927+71		6.7	0.740											39.97	26.9	50.8	23.9	60.1			
B43	Fid Bnd 15.83 deg. Left Turn MCSD: 39.98		7731.01	13927+17		8.9	0.740											39.98	30.4	60.1	29.7	60.0			
B44	Fid Bnd 10.79 deg. Left Turn MCSD: 40.01		7785.68	13926+62		8.6	0.740											40.01	25.0	60.0	35.0	59.8			
B45	Fid Bnd 7.58 deg. Left Turn MCSD: 39.87		7974.41	13924+74		10.2	0.740											39.87	33.9	60.0	26.0	59.7			
W9	Wall change from .740 to .617 for 617.67 feet - Enduro predicted		8060.10	13923+88	13924+82.9	7.0	0.617												0.0	41.2	41.2	39.4			1042
B46	Fid Bnd 8.32 deg. Right Turn MCSD: 40.25		8334.18	13921+14		4.4	0.617											40.25	19.7	38.6	18.8	40.7			
B47	Fid Bnd 5.38 deg. Right Turn MCSD: 40.35		8373.85	13920+74		9.1	0.617											40.35	20.8	40.7	19.9	42.1			
B48	Fid Bnd 9.98 deg. Right Turn MCSD: 40.13		8415.63	13920+32		6.9	0.617											40.13	21.9	42.1	20.2	41.3			
B49	Fid Bnd 9.09 deg. Right Turn MCSD: 40.31		8455.40	13919+93		4.3	0.617											40.31	19.6	41.3	21.7	40.5			
B50	Fid Bnd 9.48 deg. Right Turn MCSD: 40.24		8730.37	13917+18		3.3	0.617											40.24	12.5	32.5	20.0	41.4			
W10	Wall change from .617 to .888 for 4.35 feet - Customer supplied		8877.97	13915+70	13916+62.0	3.6	0.888												0.0	4.3	4.3	40.2			992
B51	Bend 23.1 deg. 3.0 Ds Right & Down Turn MCSD: 39.94	Before ults w.: 0.7%(0.305) MCSD: 40.4 ID:40.5 mph:2.9 Ctk:4 to 10 After dls w.: 0.5%(0.205) MCSD: 40.5 ID:40.8 mph:1.9 Ctk:4 to 10 MPH coming into Bend (-10ft): 2.6 Leaving Bend (+10ft): 5.4 Min MPH over range: 1.9 at Index 2203028	8880.14	13915+68		6.1	0.888											39.94	2.2	4.3	2.2	40.2			
W11	Wall change from .888 to .617 for 40.18 feet - Customer supplied		8882.32	13915+66	13916+57.5	4.4	0.617												0.0	40.2	40.2	2.5			992
W12	Wall change from .617 to .888 for 2.49 feet - Customer supplied		8922.50	13915+26	13916+18.8	2.3	0.888												0.0	2.5	2.5	40.7			982
B52	Bend 13.7 deg. 3.0 Ds Up Turn MCSD: 39.62	Before ults w.: 0.3%(0.124) MCSD: 40.6 ID:40.8 mph:4.2 Ctk:2 to 8 After dls w.: 0.2%(0.091) MCSD: 40.6 ID:40.8 mph:0.4 Ctk:4 to 10 MPH coming into Bend (-10ft): 2.8 Leaving Bend (+10ft): 4.6 Min MPH over range: 0.1 at Index 2208034	8923.75	13915+24		3.6	0.888											39.62	1.2	2.5	1.2	40.7			
W13	Wall change from .888 to .617 for 81.95 feet - Customer supplied		8924.99	13915+23	13916+17.1	3.1	0.617												0.0	40.7	40.7	41.3			982
W14	Wall change from .617 to .888 for 4.18 feet - Customer supplied		9006.94	13914+41	13915+36.8	7.7	0.888												0.0	4.2	4.2	37.0			982
B53	Bend 21.3 deg. 3.0 Ds Up & Right Turn MCSD: 39.96	Before ults w.: 0.5%(0.214) MCSD: 40.4 ID:40.8 mph:9.2 Ctk:2 to 8 After dls w.: 0.5%(0.228) MCSD: 40.4 ID:40.8 mph:3.9 Ctk:2 to 8 MPH coming into Bend (-10ft): 8.4 Leaving Bend (+10ft): 10.0 Min MPH over range: 0.4 at Index 2218388	9009.04	13914+39		6.5	0.888											39.96	2.1	4.2	2.1	37.0			
W15	Wall change from .888 to .617 for 715.91 feet - Customer supplied		9011.12	13914+37	13915+33.2	4.0	0.617												0.0	37.0	37.0	40.8			982
B54	Fid Bnd 7.02 deg. Left Turn MCSD: 40.44		9383.68	13910+64		8.6	0.617											40.44	18.9	40.5	21.5	40.3			
B55	Fid Bnd 6.39 deg. Right Turn MCSD: 40.37		9506.12	13909+42		4.6	0.617											40.37	20.4	40.5	20.2	40.4			
W16	Wall change from .617 to .740 for 1008.70 feet - Customer supplied		9730.03	13907+18	13908+10.3	3.4	0.740												0.0	40.1	40.1	40.4			1013

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Off	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSO	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint	Latitude	Longitude	Elevation	
B56	Bend 52.4 deg. 3.0 Ds Right Turn MCSO: 39.75	Before ults w.: 0.2%(0.063) MCSO: 40.4 ID:40.5 mph:5.8 Clik:3 to 9 After dis w.: 0.2%(0.073) MCSO: 40.4 ID:40.5 mph:6.7 Clik:2 to 8 MPH coming into Bend (-10ft): 5.7 Leaving Bend (+10ft): 7.9 Min MPH over range: 5.3 at Index 2322933	9890.56	13905+57		5.8	0.740											39.75	5.3	10.5	5.3	33.5	(b) (7)(F)			
B57	Fid Bnd 5.37 deg. Down & Left Turn MCSO: 40.23		10517.06	13899+31		2.5	0.740											40.23	21.6	40.5	18.9	40.7				
B58	Fid Bnd 10.09 deg. Left Turn MCSO: 39.92		10556.33	13896+92		2.5	0.740											39.92	20.4	40.7	20.3	40.5				
B59	Fid Bnd 5.72 deg. Left Turn MCSO: 40.09		10595.15	13896+53		4.9	0.740											40.09	18.5	40.5	22.0	40.4				
W17	Wall change from .740 to .617 for 12.71 feet - Customer supplied		10738.73	13897+09	13896+08.7	3.7	0.617												0.0	12.7	12.7	40.3				1123
B60	Bend 62.0 deg. 3.0 Ds Left Turn MCSO: 39.97	Before ults w.: 0.0%(0.001) MCSO: 40.5 ID:40.5 mph:3.4 Clik:4 to 10 After dis w.: 0.3%(0.115) MCSO: 40.3 ID:40.5 mph:11.2 Clik:2 to 8 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 9.4 Min MPH over range: 1.2 at Index 2425238	10745.09	13897+03		9.4	0.617											39.97	6.4	12.7	6.3	40.3				
W18	Wall change from .617 to .740 for 497.23 feet - Customer supplied		10751.44	13896+97	13897+96.0	9.8	0.740												0.0	40.3	40.3	38.5				1123
B61	Bend 70.3 deg. 3.0 Ds Right Turn MCSO: 39.83	Before ults w.: 0.3%(0.146) MCSO: 40.3 ID:40.5 mph:13.4 Clik:2 to 8 After dis w.: 0.3%(0.134) MCSO: 40.3 ID:40.5 mph:12.9 Clik:3 to 9 MPH coming into Bend (-10ft): 15.2 Leaving Bend (+10ft): 12.7 Min MPH over range: 12.1 at Index 2470493	11120.39	13893+28		13.8	0.740											39.83	7.1	14.3	7.1	40.4				
B62	Fid Bnd 8.6 deg. Down & Left Turn MCSO: 39.95		11229.69	13892+18		14.0	0.740											39.95	21.5	40.5	19.0	40.1				
W19	Wall change from .740 to .888 for 78.91 feet - Customer supplied		11248.67	13891+99	13892+91.6	15.8	0.888												0.0	40.1	40.1	38.8				1130
W20	Wall change from .888 to .740 for 169.53 feet - Customer supplied		11327.58	13891+20	13892+15.1	14.9	0.740												0.0	4.3	4.3	4.5				1123
B63	Bend 19.5 deg. 3.0 Ds Left & Up Turn MCSO: 39.73	Before ults w.: 0.7%(0.280) MCSO: 40.2 ID:40.5 mph:13.0 Clik:1 to 7 After dis w.: 0.5%(0.211) MCSO: 40.2 ID:40.5 mph:19.4 Clik:3 to 9 MPH coming into Bend (-10ft): 13.0 Leaving Bend (+10ft): 21.5 Min MPH over range: 13.0 at Index 2496560	11334.17	13891+14		19.9	0.740											39.73	2.2	4.5	2.2	40.6				
B64	Fid Bnd 9.86 deg. Left Turn MCSO: 39.92		11356.82	13890+91		24.0	0.740											39.92	20.4	40.6	20.2	39.7				
W21	Wall change from .740 to .888 for 2.52 feet - Customer supplied		11497.12	13889+51	13890+52.5	25.9	0.888												0.0	2.5	2.5	40.3				1079
W22	Wall change from .888 to .740 for 161.17 feet - Customer supplied		11499.64	13889+48	13890+50.3	25.1	0.740												0.0	40.3	40.3	40.5				1078
B65	Fid Bnd 8.72 deg. Right Turn MCSO: 39.94		11520.58	13889+27		22.2	0.740											39.94	20.9	40.3	19.3	40.5				
W23	Wall change from .740 to .888 for 5.57 feet - Customer supplied		11660.81	13887+87	13888+99.5	17.4	0.888												0.0	5.6	5.6	40.3			1015	
B66	Bend 30.9 deg. 3.0 Ds Up Turn MCSO: 39.50	Before ults w.: 0.8%(0.321) MCSO: 40.1 ID:40.5 mph:20.4 Clik:6 to 12 After dis w.: 0.3%(0.118) MCSO: 40.3 ID:40.5 mph:14.1 Clik:5 to 11 MPH coming into Bend (-10ft): 21.0 Leaving Bend (+10ft): 14.6 Min MPH over range: 13.7 at Index 2537170	11663.59	13887+84		16.1	0.888											39.50	2.8	5.6	2.8	40.3				
W24	Wall change from .888 to .740 for 2703.66 feet - Customer supplied		11666.37	13887+82	13888+94.4	15.4	0.740												0.0	40.3	40.3	38.7			1014	
B67	Bend 71.2 deg. 3.0 Ds Left Turn MCSO: 39.86	Before ults w.: 0.3%(0.119) MCSO: 40.4 ID:40.5 mph:13.1 Clik:4 to 10 After dis w.: 0.3%(0.106) MCSO: 40.3 ID:40.5 mph:9.6 Clik:5 to 11 MPH coming into Bend (-10ft): 14.4 Leaving Bend (+10ft): 10.0 Min MPH over range: 9.1 at Index 2548235	11755.89	13886+92		10.9	0.740											39.86	6.8	13.6	6.8	40.4				
B68	Fid Bnd 8.34 deg. Right Turn MCSO: 39.91		11953.19	13884+96		11.7	0.740											39.91	20.0	40.4	20.4	40.6				
B69	Fid Bnd 7.7 deg. Right Turn MCSO: 39.95		11994.93	13884+53		14.2	0.740											39.95	21.4	40.6	19.2	40.2				
B70	Fid Bnd 9.28 deg. Right Turn MCSO: 39.76		12114.45	13883+34		2.1	0.740											39.76	20.0	40.7	20.6	40.7				
B71	Fid Bnd 10.04 deg. Right Turn MCSO: 39.90		12151.31	13882+97		14.0	0.740											39.90	16.2	40.7	24.4	40.5				
B72	Fid Bnd 9.71 deg. Right Turn MCSO: 39.89		12195.20	13882+53		15.3	0.740											39.89	19.5	40.5	21.1	40.4				
B73	Fid Bnd 6.57 deg. Left Turn MCSO: 39.84		12521.82	13879+26		4.3	0.740											39.84	23.3	40.5	17.2	40.5				
B74	Fid Bnd 9.37 deg. Left Turn MCSO: 39.88		12555.63	13876+92		15.0	0.740											39.88	16.6	40.5	23.9	40.4				
B75	Fid Bnd 5.51 deg. Left Turn MCSO: 40.01		12864.14	13875+84		10.7	0.740											40.01	16.8	40.5	23.8	40.7				

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Off.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSO	To U/S Weld	Cur. Joint Len.	To O/S Weld	Len. O/S Joint	Latitude	Longitude	Elevation
B76	Bend 45.2 deg. 3.0 Ds Left Turn MCSO: 39.41	Before ults w.: 0.1%(0.061) MCSO: 40.4 ID:40.5 mph:8.9 Clik:4 to 10 After dis w.: 0.4%(0.172) MCSO: 40.2 ID:40.5 mph:10.4 Clik:4 to 10 MPH coming into Bend (-10ft): 9.9 Leaving Bend (+10ft): 10.8 Min MPH over range: 8.0 at Index 2710537	13106.52	13873+41		10.1	0.740											39.41	4.4	8.8	4.4	4.1			
B77	Fid Bnd 8.39 deg. Right Turn MCSO: 39.92		13248.82	13871+99		3.9	0.740											39.92	20.2	40.2	20.0	32.6			
B78	Fid Bnd 9.46 deg. Right Turn MCSO: 39.86		13531.06	13869+17		2.8	0.740											39.86	18.3	40.2	22.0	40.2			
B79	Fid Bnd 9.87 deg. Right Turn MCSO: 40.04		13613.57	13868+34		9.4	0.740											40.04	20.4	40.5	20.2	40.5			
B80	Fid Bnd 6.67 deg. Left Turn MCSO: 40.14		13775.68	13866+72		2.3	0.740											40.14	20.9	40.4	19.5	40.5			
B81	Fid Bnd 6.09 deg. Down & Left Turn MCSO: 40.11		14092.57	13863+55		15.3	0.740											40.11	19.6	40.5	20.9	31.3			
B82	Fid Bnd 6.75 deg. Left & Up Turn MCSO: 40.22		14163.67	13862+84		2.5	0.740											40.22	19.0	40.2	21.2	10.0			
B83	Bend 29.7 deg. 3.0 Ds Up Turn MCSO: 40.07	Before ults w.: 0.6%(0.231) MCSO: 40.2 ID:40.5 mph:11.6 Clik:1 to 7 After dis w.: 0.1%(0.024) MCSO: 40.4 ID:40.5 mph:9.9 Clik:3 to 9 MPH coming into Bend (-10ft): 12.8 Leaving Bend (+10ft): 7.0 Min MPH over range: 6.5 at Index 2859525	14349.78	13860+98		9.1	0.740											40.07	2.9	5.8	2.9	17.4			
W25	Wall change from .740 to .617 for 4.86 feet - Customer supplied		14370.03	13860+78	13861+83.5	5.9	0.617												0.0	4.9	4.9	4.6			1025
W26	Wall change from .617 to .740 for 4.62 feet - Customer supplied		14374.89	13860+73	13861+79.5	8.5	0.740												0.0	4.6	4.6	9.8			1027
B84	Bend 25.2 deg. 3.0 Ds Down Turn MCSO: 39.81	Before ults w.: 1.0%(0.431) MCSO: 40.3 ID:40.8 mph:7.3 Clik:3 to 9 After dis w.: 1.0%(0.407) MCSO: 40.3 ID:40.8 mph:10.1 Clik:3 to 9 MPH coming into Bend (-10ft): 5.4 Leaving Bend (+10ft): 13.1 Min MPH over range: 5.4 at Index 2861085	14377.20	13860+71		10.7	0.740											39.81	2.3	4.6	2.3	9.8			
W27	Wall change from .740 to .617 for 1187.14 feet - Customer supplied		14379.51	13860+68	13861+74.6	12.6	0.617												0.0	9.8	9.8	38.9			1029
B85	Fid Bnd 9.47 deg. Right Turn MCSO: 40.28		14489.37	13859+59		8.7	0.617											40.28	20.0	40.7	20.7	39.2			
B86	Fid Bnd 8.65 deg. Right Turn MCSO: 40.41		14530.04	13859+18		11.6	0.617											40.41	20.0	39.2	19.2	41.1			
B87	Fid Bnd 8.28 deg. Left Turn MCSO: 40.39		14655.32	13857+93		5.2	0.617											40.39	23.0	42.4	19.4	41.0			
B88	Fid Bnd 8.11 deg. Left Turn MCSO: 40.23		14695.81	13857+52		3.3	0.617											40.23	21.0	41.0	20.0	41.6			
B89	Fid Bnd 9.67 deg. Left Turn MCSO: 40.38		14737.88	13857+10		1.4	0.617											40.38	22.1	41.6	19.5	40.5			
B90	Fid Bnd 9.69 deg. Left Turn MCSO: 40.29		14777.73	13856+70		3.6	0.617											40.29	20.3	40.5	20.2	40.8			
B91	Fid Bnd 10.29 deg. Left Turn MCSO: 40.06		14818.97	13856+29		1.7	0.617											40.08	21.0	40.8	19.8	40.4			
B92	Fid Bnd 9.47 deg. Right Turn MCSO: 40.11		14982.91	13854+65		2.3	0.617											40.11	20.8	41.1	20.3	40.3			
B93	Fid Bnd 5.19 deg. Right & Down Turn MCSO: 40.32		15065.21	13853+83		6.1	0.617											40.32	21.7	40.5	18.7	41.8			
B94	Fid Bnd 7.66 deg. Right Turn MCSO: 40.32		15106.02	13853+42		3.7	0.617											40.32	22.1	41.8	19.7	41.0			
B95	Bend 76.89 deg. 3.0 Ds Right Turn MCSO: 40.19	Before ults w.: 0.6%(0.257) MCSO: 40.5 ID:40.8 mph:4.2 Clik:3 to 9 After dis w.: 0.9%(0.330) MCSO: 40.4 ID:40.8 mph:6.4 Clik:3 to 9 MPH coming into Bend (-10ft): 2.7 Leaving Bend (+10ft): 6.3 Min MPH over range: 2.7 at Index 2960890	15209.59	13852+38		6.7	0.617											40.19	7.6	15.7	8.0	24.7			
W28	Wall change from .617 to .740 for 1545.38 feet - Customer supplied		15566.65	13848+81	13850+00.8	3.6	0.740												0.0	40.1	40.1	40.4			1069
B96	Fid Bnd 5.04 deg. Left & Up Turn MCSO: 40.00		16407.57	13840+40		10.0	0.740											40.00	18.4	39.0	20.6	40.4			
B97	Fid Bnd 5.35 deg. Left & Up Turn MCSO: 40.15		16445.79	13840+02		1.6	0.740											40.15	17.7	40.4	22.7	40.6			
B98	Fid Bnd 7.69 deg. Left Turn MCSO: 39.94		16488.21	13839+60		1.6	0.740											39.94	19.7	40.6	20.9	40.4			
W29	Wall change from .740 to .888 for 2.88 feet - Customer supplied		17112.03	13833+36	13834+66.4	7.7	0.888												0.0	2.9	2.9	40.4			1030
B99	Bend 16.0 deg. 3.0 Ds Right Turn MCSO: 39.58	Before ults w.: 0.5%(0.199) MCSO: 40.3 ID:40.5 mph:5.8 Clik:3 to 9 After dis w.: 0.4%(0.164) MCSO: 40.3 ID:40.5 mph:6.8 Clik:2 to 8 MPH coming into Bend (-10ft): 8.5 Leaving Bend (+10ft): 9.5 Min MPH over range: 5.7 at Index 3190167	17113.47	13833+35		8.9	0.888											39.58	1.4	2.9	1.4	40.4			
W30	Wall change from .888 to .740 for 80.82 feet - Customer supplied		17114.92	13833+33	13834+63.6	8.1	0.740												0.0	40.4	40.4	40.4			1030
W31	Wall change from .740 to .888 for 4.25 feet - Customer supplied		17195.74	13832+52	13833+84.4	3.2	0.888												0.0	4.2	4.2	40.3			1030

(b) (7)(F)

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Off	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSO	To L/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint	Latitude	Longitude	Elevation
B100	Bend 20.9 deg. 3.0 Ds Up Turn MCSO: 38.88	Before ults w.: 1.8%(0.759) MCSO: 39.7 ID:40.5 mph:6.4 Clik:3 to 9 After dls w.: 1.4%(0.573) MCSO: 39.8 ID:40.5 mph:3.5 Clik:3 to 9 MPH coming into Bend (-10%): 6.1 Leaving Bend (+10%): 7.6 Min MPH over range: 0.6 at Index 3200514	17197.87	13832+50		4.1	0.888											38.88	2.1	4.2	2.1	40.3			
W32	Wall change from .888 to .740 for 1403.42 feet - Customer supplied		17199.99	13832+48	13833+79.0	3.8	0.740												0.0	40.3	40.3	40.5			1032
B101	Fid Bnd 5.25 deg. Down & Left Turn MCSO: 39.94		17461.09	13829+87		1.5	0.740											39.94	20.4	40.5	20.1	40.5			
W33	Wall change from .740 to .888 for 8.84 feet - Customer supplied		18603.41	13816+45	13819+91.4	9.2	0.888												0.0	8.8	8.8	33.7			1127
B102	Bend 45.1 deg. 3.0 Ds Left Turn MCSO: 39.78	Before ults w.: 0.1%(0.054) MCSO: 40.4 ID:40.5 mph:9.9 Clik:4 to 10 After dls w.: 0.3%(0.124) MCSO: 40.4 ID:40.5 mph:5.2 Clik:4 to 10 MPH coming into Bend (-10%): 12.4 Leaving Bend (+10%): 2.2 Min MPH over range: 2.2 at Index 3371042	18607.83	13816+40		7.1	0.888											39.78	4.4	8.8	4.4	33.7			
W34	Wall change from .888 to .740 for 518.37 feet - Customer supplied		18612.25	13816+36	13819+83.2	6.7	0.740												0.0	33.7	33.7	40.4			1126
W35	Wall change from .740 to .888 for 8.63 feet - Customer supplied		19130.62	13813+17	13814+70.6	5.9	0.888												0.0	8.6	8.6	13.0			1006
B103	Bend 45.2 deg. 3.0 Ds Left Turn MCSO: 39.99	Before ults w.: 0.1%(0.056) MCSO: 40.4 ID:40.5 mph:6.7 Clik:4 to 10 After dls w.: 0.3%(0.147) MCSO: 40.3 ID:40.5 mph:4.6 Clik:5 to 11 MPH coming into Bend (-10%): 10.1 Leaving Bend (+10%): 1.8 Min MPH over range: 0.2 at Index 3434245	19134.93	13813+13		6.1	0.888											39.99	4.3	8.6	4.3	13.0			
W36	Wall change from .888 to .740 for 249.97 feet - Customer supplied		19139.25	13813+09	13814+64.4	5.8	0.740												0.0	13.0	13.0	35.1			1088
B104	Fid Bnd 6.8 deg. Down & Left Turn MCSO: 40.21		19288.27	13811+60		11.3	0.740											40.21	20.2	40.7	20.4	40.5			
B105	Fid Bnd 6.02 deg. Right Turn MCSO: 40.04		19326.71	13811+21		14.5	0.740											40.04	18.0	40.5	22.5	3.7			
B106	Bend 64.8 deg. 3.0 Ds Right Turn MCSO: 38.63	Before ults w.: 1.8%(0.755) MCSO: 39.8 ID:40.5 mph:15.2 Clik:3 to 9 After dls w.: 1.8%(0.755) MCSO: 39.8 ID:40.5 mph:15.1 Clik:2 to 8 MPH coming into Bend (-10%): 16.3 Leaving Bend (+10%): 15.4 Min MPH over range: 13.9 at Index 3459291	19359.07	13810+89		17.8	0.740											38.63	6.2	12.3	6.1	24.0			
W37	Wall change from .740 to .888 for 74.92 feet - Customer supplied		19389.22	13810+59	13812+15.1	16.7	0.888												0.0	4.2	4.2	30.2			1118
B107	Bend 22.1 deg. 3.0 Ds Up Turn MCSO: 39.14	Before ults w.: 1.6%(0.668) MCSO: 39.8 ID:40.5 mph:15.8 Clik:2 to 8 After dls w.: 1.5%(0.616) MCSO: 39.5 ID:40.2 mph:12.8 Clik:2 to 8 MPH coming into Bend (-10%): 17.9 Leaving Bend (+10%): 8.9 Min MPH over range: 8.9 at Index 3465121	19391.32	13810+57		14.7	0.888											39.14	2.1	4.2	2.1	30.2			
W38	Wall change from .888 to .740 for 37.93 feet - Customer supplied		19464.15	13809+84	13811+41.6	5.8	0.740												0.0	37.9	37.9	7.7			1118
W39	Wall change from .740 to .888 for 7.67 feet - Customer supplied		19502.08	13809+46	13811+00.4	13.1	0.888												0.0	7.7	7.7	40.4			1121
B108	Bend 40.4 deg. 3.0 Ds Left & Up Turn MCSO: 39.79	Before ults w.: 0.1%(0.027) MCSO: 40.4 ID:40.5 mph:15.6 Clik:5 to 12 After dls w.: 0.6%(0.249) MCSO: 40.2 ID:40.5 mph:15.9 Clik:3 to 9 MPH coming into Bend (-10%): 16.5 Leaving Bend (+10%): 15.5 Min MPH over range: 12.2 at Index 3477215	19505.92	13809+42		16.2	0.888											39.79	3.8	7.7	3.8	40.4			
W40	Wall change from .888 to .740 for 84.92 feet - Customer supplied		19509.76	13809+38	13810+92.8	17.1	0.740												0.0	40.4	40.4	40.3			1122
W41	Wall change from .740 to .888 for 4.92 feet - Customer supplied		19594.67	13808+53	13810+07.9	12.3	0.888												0.0	4.9	4.9	30.9			1128
F2	Tee		19597.13	13808+51		8.9	0.888											39.75	2.5	4.9	2.5	30.9			
W42	Wall change from .888 to .888 for 439.39 feet - Customer supplied		19599.59	13808+48	13810+02.9	10.1	0.888												0.0	30.9	30.9	40.5			1128
B109	Fid Bnd 6.33 deg. Left Turn MCSO: 40.13		19748.32	13807+00		2.4	0.888											40.13	21.9	40.4	18.5	40.3			
B110	Fid Bnd 9.64 deg. Down & Left Turn MCSO: 39.95		19826.62	13806+21		1.0	0.888											39.95	19.5	40.6	21.1	40.5			
B111	Fid Bnd 7.51 deg. Down & Left Turn MCSO: 39.83		19868.23	13805+80		10.9	0.888											39.83	20.5	40.5	20.0	3.9			
B112	Fid Bnd 5.78 deg. Left Turn MCSO: 39.55		19920.59	13805+27		10.2	0.888											39.55	28.5	42.8	14.4	38.5			
B113	Fid Bnd 10.28 deg. Down & Left Turn MCSO: 39.85		19993.22	13804+55		1.3	0.888											39.85	19.7	40.4	20.6	25.1			
W43	Wall change from .888 to .617 for 5.74 feet - Customer supplied		20038.97	13804+09	13805+67.9	2.9	0.617												0.0	5.7	5.7	14.9			1067

(b) (7)(F)

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Off	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSD	To L/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint	Latitude	Longitude	Elevation
B114	Bend 30.81 deg. 3.0 Ds Up Turn MCSD: 38.95	Before ults w.: 1.5%(0.647) MCSD: 39.8 ID:40.2 mph:5.3 Clik:3 to 9 After dis w.: 1.8%(0.759) MCSD: 39.7 ID:40.5 mph:6.5 Clik:3 to 9 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 5.5 Min MPH over range: 0.4 at Index 3541758	20041.85	13804+06		2.2	0.617											38.95	2.9	5.7	2.9	14.9			
W44	Wall change from .517 to .740 for 242.12 feet - Customer supplied		20044.72	13804+03	13805+63.3	5.2	0.740												0.0	14.9	14.9	40.3			1068
W45	Wall change from .740 to .517 for 833.23 feet - Customer supplied		20286.84	13801+61	13803+28.5	7.8	0.617												0.0	33.6	33.6	37.6			1120
B115	Fid Bnd 9.3 deg. Right Turn MCSD: 40.36		20305.48	13801+43		13.4	0.617											40.36	18.6	33.6	15.0	37.6			
B116	Fid Bnd 9.93 deg. Right Turn MCSD: 40.35		20537.53	13799+10		9.8	0.617											40.35	19.4	40.3	21.0	41.4			
B117	Fid Bnd 9.98 deg. Right Turn MCSD: 40.31		20580.24	13796+68		13.4	0.617											40.31	21.7	41.4	19.6	40.4			
B118	Fid Bnd 9.03 deg. Right Turn MCSD: 40.40		20619.17	13796+29		9.6	0.617											40.40	19.3	40.4	21.1	40.3			
W46	Wall change from .517 to .888 for 2.47 feet - Customer supplied		21120.07	13793+28	13794+96.5	0.2	0.888												0.0	2.5	2.5	41.2			1058
B119	Bend 12.8 deg. 3.0 Ds Up Turn MCSD: 39.90	Before ults w.: 0.7%(0.284) MCSD: 40.5 ID:40.8 mph:1.3 Clik:4 to 10 After dis w.: 0.4%(0.185) MCSD: 40.5 ID:40.8 mph:2.4 Clik:4 to 10 MPH coming into Bend (-10ft): 4.0 Leaving Bend (+10ft): 3.3 Min MPH over range: 0.1 at Index 3671353	21121.31	13793+27		1.6	0.888											39.90	1.2	2.5	1.2	41.2			
W47	Wall change from .888 to .517 for 396.47 feet - Customer supplied		21122.54	13793+25	13794+94.2	2.1	0.617												0.0	41.2	41.2	40.7			1058
B120	Fid Bnd 9.56 deg. Left & Up Turn MCSD: 40.43		21224.51	13792+23		6.7	0.617											40.43	20.0	39.9	19.9	18.3			
B121	Fid Bnd 7.21 deg. Down & Left Turn MCSD: 40.52		21297.20	13791+51		8.7	0.617											40.52	21.4	40.4	19.0	40.9			
B122	Fid Bnd 10.32 deg. Down & Left Turn MCSD: 40.17		21337.07	13791+11		8.4	0.617											40.17	20.9	40.9	20.0	40.8			
B123	Fid Bnd 10.86 deg. Down & Left Turn MCSD: 39.70		21379.22	13790+69		5.6	0.617											39.70	22.2	40.8	18.6	40.8			
B124	Fid Bnd 6.57 deg. Down & Left Turn MCSD: 40.51		21413.81	13790+34		1.7	0.617											40.51	15.9	40.8	24.9	39.5			
W48	Wall change from .517 to .888 for 1.65 feet - Customer supplied		21519.01	13789+29	13791+02.1	9.8	0.888												0.0	1.6	1.6	41.0			1054
B125	Bend 10.4 deg. 3.0 Ds Up Turn MCSD: 39.57	Before ults w.: 2.0%(0.850) MCSD: 39.9 ID:40.6 mph:9.6 Clik:1 to 7 After dis w.: 0.2%(0.067) MCSD: 40.7 ID:40.8 mph:4.6 Clik:6 to 12 MPH coming into Bend (-10ft): 6.7 Leaving Bend (+10ft): 6.5 Min MPH over range: 0.3 at Index 3724392	21519.83	13789+28		11.0	0.888											39.57	0.8	1.6	0.8	41.0			
W49	Wall change from .888 to .517 for 73.12 feet - Customer supplied		21520.66	13789+27	13791+00.7	10.2	0.617												0.0	41.0	41.0	29.7			1054
W50	Wall change from .517 to .888 for 4.32 feet - Customer supplied		21593.77	13788+54	13790+27.7	6.2	0.888												0.0	4.3	4.3	2.0			1059
B126	Bend 23.0 deg. 3.0 Ds Left Turn MCSD: 39.75	Before ults w.: 0.6%(0.253) MCSD: 40.4 ID:40.8 mph:6.3 Clik:2 to 9 After dis w.: 0.3%(0.137) MCSD: 40.6 ID:40.8 mph:4.3 Clik:4 to 10 MPH coming into Bend (-10ft): 5.0 Leaving Bend (+10ft): 8.9 Min MPH over range: 0.3 at Index 3727625	21595.93	13788+52		6.8	0.888											39.75	2.2	4.3	2.2	2.0			
W51	Wall change from .888 to .517 for 341.44 feet - Customer supplied		21598.09	13788+50	13790+23.5	4.8	0.617												0.0	2.0	2.0	38.8			1059
W52	Wall change from .517 to .740 for 428.01 feet - Customer supplied		21939.53	13785+08	13786+91.4	13.0	0.740												0.0	39.9	39.9	36.5			1118
B127	Fid Bnd 5.21 deg. Right Turn MCSD: 39.88		21964.87	13784+83		5.3	0.740											39.88	25.3	39.9	14.6	36.5			
B128	Fid Bnd 7.27 deg. Right & Down Turn MCSD: 39.88		21993.32	13784+55		5.6	0.740											39.88	13.9	36.5	22.6	40.4			
B129	Fid Bnd 9.05 deg. Down & Left Turn MCSD: 39.97		22157.62	13782+90		7.6	0.740											39.97	20.4	40.7	20.3	40.4			
W53	Wall change from .740 to .888 for 2.87 feet - Customer supplied		22367.54	13780+80	13782+70.2	13.8	0.888												0.0	2.9	2.9	6.5			1075
B130	Bend 16.0 deg. 3.0 Ds Right & Down Turn MCSD: 39.38	Before ults w.: 0.9%(0.394) MCSD: 40.1 ID:40.5 mph:12.8 Clik:3 to 9 After dis w.: 0.9%(0.370) MCSD: 40.1 ID:40.5 mph:12.0 Clik:2 to 8 MPH coming into Bend (-10ft): 15.2 Leaving Bend (+10ft): 11.5 Min MPH over range: 11.1 at Index 3821978	22368.98	13780+79		14.1	0.888											39.38	1.4	2.9	1.4	6.5			
W54	Wall change from .888 to .740 for 126.65 feet - Customer supplied		22370.42	13780+78	13782+67.0	12.9	0.740												0.0	6.5	6.5	3.6			1075
B131	Bend 32.9 deg. 3.0 Ds Left & Up Turn MCSD: 39.88	Before ults w.: 0.7%(0.283) MCSD: 40.2 ID:40.5 mph:11.3 Clik:3 to 9 After dis w.: 0.2%(0.097) MCSD: 40.3 ID:40.5 mph:10.2 Clik:3 to 9 MPH coming into Bend (-10ft): 12.4 Leaving Bend (+10ft): 7.7 Min MPH over range: 7.2 at Index 3826858	22408.17	13780+40		10.8	0.740											39.88	3.1	6.2	3.1	6.4			
W55	Wall change from .740 to .888 for 18.95 feet - Customer supplied		22497.27	13779+51	13781+43.5	13.2	0.888												0.0	18.9	18.9	12.7			1062

(b) (7)(F)

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Off	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSO	To U/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint	Latitude	Longitude	Elevation
W56	Wall change from .888 to .740 for 12.72 feet - Customer supplied		22516.22	13779+32	13781+24.5	4.9	0.740												0.0	12.7	12.7	3.9	(b) (7)(F)		1062
W57	Wall change from .740 to .888 for 3.95 feet - Customer supplied		22528.94	13779+19	13781+11.6	9.1	0.888												0.0	3.9	3.9	14.6			1062
B132	Bend 51.5 deg 3.0 Ds Up Turn MCSO: 39.67	Before ults w.: 0.1%(0.022) MCSO: 40.1 ID:40.2 mph:4.1 Clik:3 to 9 After dis w.: 1.3%(0.565) MCSO: 39.7 ID:40.2 mph:8.6 Clik:3 to 9 MPH coming into Bend (-10ft): 5.2 Leaving Bend (+10ft): 7.3 Min MPH over range: 5.2 at Index 3839137	22530.92	13779+17		8.0	0.888											39.67	2.0	3.9	2.0	14.6			
W58	Wall change from .888 to .740 for 14.56 feet - Customer supplied		22532.89	13779+15	13781+08.2	8.1	0.740												0.0	14.6	14.6	7.1			1062
W59	Wall change from .740 to .888 for 7.09 feet - Customer supplied		22547.45	13779+01	13780+95.1	8.3	0.888												0.0	7.1	7.1	40.2			1067
B133	Bend 36.8 deg 3.0 Ds Right & Down Turn MCSO: 40.02	Before ults w.: 0.3%(0.122) MCSO: 40.3 ID:40.5 mph:8.1 Clik:3 to 9 After dis w.: 0.4%(0.176) MCSO: 40.3 ID:40.5 mph:7.3 Clik:4 to 10 MPH coming into Bend (-10ft): 7.9 Leaving Bend (+10ft): 10.0 Min MPH over range: 6.8 at Index 3843177	22551.00	13778+97		7.6	0.888											40.02	3.5	7.1	3.5	40.2			
W60	Wall change from .888 to .740 for 40.17 feet - Customer supplied		22554.54	13778+93	13780+88.6	7.2	0.740												0.0	40.2	40.2	31.1			1069
W61	Wall change from .740 to .888 for 31.12 feet - Customer supplied		22594.72	13778+53	13780+43.4	14.8	0.888												0.0	31.1	31.1	40.0			1070
B134	Fid Bnd 7.1 deg Down & Left Turn MCSO: 39.41		22607.15	13778+41		14.7	0.888											39.41	12.4	31.1	18.7	40.0			
W62	Wall change from .888 to .740 for 1114.70 feet - Customer supplied		22625.83	13778+22	13780+13.2	10.2	0.740												0.0	40.0	40.0	1.1			1071
B135	Fid Bnd 6.81 deg Up & Right Turn MCSO: 40.01		22646.91	13778+01		14.5	0.740											40.01	21.1	40.0	19.0	1.1			
B136	Bend 7.8 deg 3.0 Ds Up & Right Turn MCSO: 39.29	Before ults w.: 0.8%(0.353) MCSO: 40.1 ID:40.5 mph:15.0 Clik:4 to 10 After dis w.: 0.7%(0.291) MCSO: 40.1 ID:40.5 mph:16.8 Clik:5 to 11 MPH coming into Bend (-10ft): 15.9 Leaving Bend (+10ft): 17.0 Min MPH over range: 14.7 at Index 3856653	22666.44	13777+82		18.0	0.740											39.29	0.6	1.1	0.6	2.7			
B137	Bend 30.2 deg 3.0 Ds Up & Right Turn MCSO: 39.38	Before ults w.: 0.4%(0.171) MCSO: 40.3 ID:40.5 mph:17.5 Clik:3 to 9 After dis w.: 0.7%(0.311) MCSO: 40.1 ID:40.5 mph:14.7 Clik:2 to 8 MPH coming into Bend (-10ft): 18.0 Leaving Bend (+10ft): 15.2 Min MPH over range: 14.0 at Index 3863150	22713.34	13777+35		17.1	0.740											39.38	2.9	5.8	2.9	39.7			
B138	Fid Bnd 9.31 deg Right Turn MCSO: 40.06		23438.46	13770+10		14.1	0.740											40.06	20.3	39.7	19.4	40.7			
B139	Fid Bnd 8.11 deg Right & Down Turn MCSO: 39.99		23475.93	13769+72		1.1	0.740											39.99	18.1	40.7	22.6	40.3			
W63	Wall change from .740 to .888 for 9.22 feet - Customer supplied		23740.53	13767+07	13769+13.4	1.3	0.888												0.0	9.2	9.2	7.8			1102
B140	Bend 44.7 deg 3.0 Ds Right Turn MCSO: 39.84	Before ults w.: 0.5%(0.225) MCSO: 40.2 ID:40.5 mph:3.8 Clik:2 to 9 After dis w.: 0.5%(0.225) MCSO: 40.2 ID:40.5 mph:5.6 Clik:1 to 7 MPH coming into Bend (-10ft): 5.0 Leaving Bend (+10ft): 6.6 Min MPH over range: 0.9 at Index 3965751	23745.14	13767+03		4.6	0.888											39.84	4.6	9.2	4.6	7.8			
W64	Wall change from .888 to .740 for 526.91 feet - Customer supplied		23749.75	13766+98	13769+04.1	6.4	0.740												0.0	7.8	7.8	6.8			1103
W65	Wall change from .740 to .888 for 6.18 feet - Customer supplied		24276.66	13761+71	13763+78.2	0.9	0.888												0.0	6.2	6.2	12.4			1088
B141	Bend 33.1 deg 3.0 Ds Left Turn MCSO: 39.72	Before ults w.: 0.3%(0.122) MCSO: 40.3 ID:40.5 mph:2.0 Clik:4 to 10 After dis w.: 0.5%(0.206) MCSO: 40.3 ID:40.5 mph:0.2 Clik:4 to 10 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 3.7 Min MPH over range: 0.2 at Index 4051144	24279.75	13761+68		2.6	0.888											39.72	3.1	6.2	3.1	12.4			
W66	Wall change from .888 to .740 for 93.42 feet - Customer supplied		24282.84	13761+65	13763+72.5	2.4	0.740												0.0	12.4	12.4	40.4			1089
W67	Wall change from .740 to .888 for 3.62 feet - Customer supplied		24376.26	13760+72	13762+79.1	16.0	0.888												0.0	3.6	3.6	28.0			1087
B142	Bend 19.9 deg 3.0 Ds Left & Up Turn MCSO: 39.33	Before ults w.: 0.6%(0.243) MCSO: 40.2 ID:40.5 mph:12.6 Clik:4 to 10 After dis w.: 0.8%(0.338) MCSO: 40.1 ID:40.5 mph:13.6 Clik:4 to 10 MPH coming into Bend (-10ft): 15.3 Leaving Bend (+10ft): 14.6 Min MPH over range: 12.5 at Index 4061888	24378.07	13760+70		14.6	0.888											39.33	1.8	3.6	1.8	28.0			
W68	Wall change from .888 to .740 for 704.64 feet - Customer supplied		24379.87	13760+68	13762+75.8	14.5	0.740												0.0	28.0	28.0	40.4			1088
B143	Fid Bnd 8.41 deg Left Turn MCSO: 40.08		24466.27	13759+82		12.1	0.740											40.08	18.0	40.5	22.5	40.5			
B144	Fid Bnd 9.05 deg Left Turn MCSO: 39.96		24588.91	13758+59		13.4	0.740											39.96	19.2	40.5	21.4	40.4			
W69	Wall change from .740 to .888 for 1.95 feet - Customer supplied		25084.52	13753+63	13755+73.1	3.8	0.888												0.0	1.9	1.9	40.4			1000

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Off.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSD	To L/S Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint	Latitude	Longitude	Elevation
B145	Bend 11.7 deg. 3.0 Ds Up Turn MCSD: 39.52	Before ults w.: 0.4%(0.150) MCSD: 40.3 ID:40.5 mph:2.0 Clik:2 to 8 After dls w.: 0.6%(0.240) MCSD: 40.2 ID:40.5 mph:6.4 Clik:2 to 8 MPH coming into Bend (-10%): 1.6 Leaving Bend (+10%): 9.0 Min MPH over range: 0.8 at Index 4146128	25085.49	13753+63		4.3	0.888											39.52	1.0	1.9	1.0	40.4			
W70	Wall change from .888 to .740 for 40.39 feet - Customer supplied		25086.47	13753+62	13755+71.4	5.8	0.740												0.0	40.4	40.4	2.0			1080
W71	Wall change from .740 to .888 for 1.97 feet - Customer supplied		25126.86	13753+21	13755+31.4	5.1	0.888												0.0	2.0	2.0	40.5			1080
B146	Bend 11.1 deg. 3.0 Ds Up Turn MCSD: 39.54	Before ults w.: 0.3%(0.117) MCSD: 40.3 ID:40.5 mph:3.5 Clik:6 to 12 After dls w.: 0.3%(0.143) MCSD: 40.3 ID:40.5 mph:7.7 Clik:1 to 7 MPH coming into Bend (-10%): 5.9 Leaving Bend (+10%): 12.3 Min MPH over range: 0.1 at Index 4151513	25127.85	13753+20		6.2	0.888											39.54	1.0	2.0	1.0	40.5			
W72	Wall change from .888 to .740 for 52.66 feet - Customer supplied		25128.83	13753+19	13755+29.4	6.8	0.740												0.0	40.5	40.5	40.5			1080
B147	Fid Bnd 8.12 deg. Right & Down Turn MCSD: 40.01		25188.20	13752+60		15.7	0.740											40.01	18.9	40.5	21.6	11.7			
W73	Wall change from .740 to .888 for 5.82 feet - Customer supplied		25221.49	13752+27	13754+37.8	18.8	0.888												0.0	5.8	5.8	37.2			1090
B148	Bend 30.0 deg. 3.0 Ds Up & Right Turn MCSD: 39.77	Before ults w.: 0.6%(0.239) MCSD: 40.2 ID:40.5 mph:17.1 Clik:3 to 9 After dls w.: 1.0%(0.427) MCSD: 40.0 ID:40.5 mph:14.0 Clik:3 to 9 MPH coming into Bend (-10%): 17.0 Leaving Bend (+10%): 14.8 Min MPH over range: 13.8 at Index 4154467	25224.40	13752+24		16.5	0.888											39.77	2.9	5.8	2.9	37.2			
W74	Wall change from .888 to .740 for 573.41 feet - Customer supplied		25227.31	13752+21	13754+29.7	16.9	0.740												0.0	37.2	37.2	40.2			1090
B149	Fid Bnd 7.67 deg. Right Turn MCSD: 39.97		25525.00	13749+23		4.5	0.740											39.97	20.0	40.3	20.3	40.3			
B150	Fid Bnd 5.23 deg. Left Turn MCSD: 40.14		25687.95	13747+60		11.6	0.740											40.14	21.7	40.7	19.0	13.1			
B151	Bend 64.6 deg. 3.0 Ds Right Turn MCSD: 39.76	Before ults w.: 0.6%(0.264) MCSD: 40.2 ID:40.5 mph:10.4 Clik:2 to 8 After dls w.: 0.6%(0.240) MCSD: 40.2 ID:40.5 mph:13.1 Clik:2 to 8 MPH coming into Bend (-10%): 12.2 Leaving Bend (+10%): 13.9 Min MPH over range: 10.4 at Index 4221548	25713.48	13747+35		13.8	0.740											39.76	6.6	13.1	6.6	40.3			
W75	Wall change from .740 to .888 for 80.77 feet - Customer supplied		25800.72	13746+47	13748+71.1	2.6	0.888												0.0	40.4	40.4	40.4			1098
W76	Wall change from .888 to .740 for 1974.84 feet - Customer supplied		25881.49	13745+67	13747+92.4	2.6	0.740												0.0	40.7	40.7	40.4			1114
B152	Fid Bnd 8.93 deg. Up & Right Turn MCSD: 39.78		25902.00	13745+46		15.8	0.740											39.78	20.5	40.7	20.2	40.4			
B153	Fid Bnd 7.1 deg. Left Turn MCSD: 40.03		26081.90	13743+66		13.3	0.740											40.03	21.9	40.4	18.4	40.3			
B154	Fid Bnd 7.51 deg. Right Turn MCSD: 39.94		26322.35	13741+26		13.9	0.740											39.94	20.1	40.4	20.2	40.2			
B155	Fid Bnd 6.36 deg. Left Turn MCSD: 39.95		26479.67	13739+68		1.9	0.740											39.95	16.1	40.6	24.4	40.5			
B156	Fid Bnd 8.1 deg. Left Turn MCSD: 40.06		26522.54	13739+25		14.8	0.740											40.06	18.4	40.5	22.0	40.5			
B157	Fid Bnd 8.59 deg. Left Turn MCSD: 39.94		26562.88	13738+85		12.1	0.740											39.94	18.3	40.5	22.2	40.4			
B158	Fid Bnd 8.29 deg. Left Turn MCSD: 40.00		26645.15	13738+03		2.7	0.740											40.00	19.7	40.5	20.8	40.4			
B159	Fid Bnd 8.15 deg. Left Turn MCSD: 39.94		26807.30	13736+41		2.0	0.740											39.94	20.2	40.5	20.3	40.5			
B160	Fid Bnd 8.45 deg. Left Turn MCSD: 40.02		26846.67	13736+01		6.9	0.740											40.02	19.1	40.5	21.4	40.5			
B161	Fid Bnd 8.31 deg. Left Turn MCSD: 39.95		26887.83	13735+60		3.0	0.740											39.95	19.7	40.5	20.7	40.4			
B162	Fid Bnd 8.23 deg. Left Turn MCSD: 39.89		26928.85	13735+19		9.0	0.740											39.89	20.3	40.4	20.1	39.7			
B163	Fid Bnd 5.73 deg. Left Turn MCSD: 40.03		27150.62	13732+97		3.8	0.740											40.03	19.5	40.6	21.0	40.5			
B164	Fid Bnd 8.15 deg. Left Turn MCSD: 39.84		27192.66	13732+55		1.6	0.740											39.84	21.0	40.5	19.5	40.3			
B165	Fid Bnd 8.28 deg. Left Turn MCSD: 39.99		27313.48	13731+35		12.3	0.740											39.99	20.5	40.4	19.9	40.4			
B166	Fid Bnd 7.98 deg. Left Turn MCSD: 39.87		27514.16	13729+34		1.6	0.740											39.87	19.6	40.3	20.7	40.5			
B167	Fid Bnd 8.32 deg. Left Turn MCSD: 39.84		27554.61	13728+93		10.4	0.740											39.84	19.7	40.5	20.8	40.3			
B168	Fid Bnd 7.55 deg. Right Turn MCSD: 40.01		27714.27	13727+34		5.7	0.740											40.01	19.1	39.7	20.6	40.7			
B169	Fid Bnd 7.62 deg. Right Turn MCSD: 39.92		27753.76	13726+94		7.9	0.740											39.92	18.9	40.7	21.8	40.4			
W77	Wall change from .740 to .888 for 5.91 feet - Customer supplied		27856.33	13725+92	13728+39.4	1.6	0.888												0.0	5.9	5.9	40.5			1098

(b) (7)(F)

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Off	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSO	To LPS Weld	Cur. Joint Len.	To D/S Weld	Len. D/S Joint	Latitude	Longitude	Elevation
B170	Bend 29.7 deg. 3.0 Ds Up & Right Turn MCSO: 39.65	Before ults w.: 0.4%(0.183) MCSO: 40.3 ID:40.5 mph:2.9 Clik:1 to 7 After dis w.: 0.8%(0.325) MCSO: 40.2 ID:40.5 mph:6.3 Clik:1 to 7 MPH coming into Bend (-10ft): 4.3 Leaving Bend (+10ft): 9.3 Min MPH over range: 0.2 at Index 4480051	27859.29	13725+89		0.2	0.888											39.65	3.0	5.9	2.9	40.5			
W78	Wall change from .888 to .740 for 40.47 feet - Customer supplied		27862.24	13725+86	13728+34.4	5.2	0.740												0.0	40.5	40.5	3.0			1097
W79	Wall change from .740 to .888 for 2.99 feet - Customer supplied		27902.72	13725+45	13727+95.2	11.6	0.888												0.0	3.0	3.0	40.3			1096
B171	Bend 16.1 deg. 3.0 Ds Up Turn MCSO: 39.69	Before ults w.: 0.2%(0.081) MCSO: 40.4 ID:40.5 mph:11.2 Clik:4 to 10 After dis w.: 0.1%(0.034) MCSO: 40.4 ID:40.5 mph:10.4 Clik:4 to 10 MPH coming into Bend (-10ft): 12.6 Leaving Bend (+10ft): 10.0 Min MPH over range: 9.9 at Index 4485897	27904.22	13725+44		11.3	0.888											39.69	1.5	3.0	1.5	40.3			
W80	Wall change from .888 to .740 for 53.75 feet - Customer supplied		27905.71	13725+42	13727+91.8	10.8	0.740												0.0	40.3	40.3	13.4			1099
W81	Wall change from .740 to .888 for 8.33 feet - Customer supplied		27959.46	13724+89	13727+42.0	6.2	0.888												0.0	8.3	8.3	40.4			1115
B172	Bend 42.3 deg. 3.0 Ds Right Turn MCSO: 39.51	Before ults w.: 0.7%(0.285) MCSO: 40.2 ID:40.5 mph:4.7 Clik:2 to 8 After dis w.: 0.9%(0.370) MCSO: 40.1 ID:40.5 mph:7.6 Clik:2 to 8 MPH coming into Bend (-10ft): 1.6 Leaving Bend (+10ft): 9.1 Min MPH over range: 1.6 at Index 4491335	27963.62	13724+84		8.0	0.888											39.51	4.2	8.3	4.2	40.4			
W82	Wall change from .888 to .740 for 501.98 feet - Customer supplied		27967.79	13724+80	13727+35.6	8.6	0.740												0.0	40.4	40.4	18.1			1117
B173	Fid Bnd 5.59 deg. Left Turn MCSO: 39.90		28128.34	13723+20		4.3	0.740											39.90	21.2	40.5	19.3	40.0			
B174	Fid Bnd 8.92 deg. Left Turn MCSO: 40.01		28328.79	13721+19		8.7	0.740											40.01	20.1	40.4	20.3	40.2			
W83	Wall change from .740 to .617 for 112.21 feet - Customer supplied		28469.77	13719+78	13722+38.2	7.9	0.617												0.0	40.0	40.0	39.7			1178
W84	Wall change from .617 to .888 for 4.50 feet - Customer supplied		28581.98	13718+66	13721+27.0	6.3	0.888												0.0	4.5	4.5	2.7			1185
B175	Bend 17.4 deg. 3.0 Ds Right Turn MCSO: 39.71	Before ults w.: 0.6%(0.241) MCSO: 40.5 ID:40.8 mph:7.2 Clik:1 to 7 After dis w.: 0.6%(0.245) MCSO: 40.5 ID:40.8 mph:3.7 Clik:2 to 8 MPH coming into Bend (-10ft): 2.3 Leaving Bend (+10ft): 9.1 Min MPH over range: 0.4 at Index 4567303	28584.21	13718+64		5.4	0.888											39.71	2.2	4.5	2.3	2.7			
W85	Wall change from .888 to .617 for 2.68 feet - Customer supplied		28586.48	13718+62	13721+23.0	0.6	0.617												0.0	2.7	2.7	5.9			1185
W86	Wall change from .617 to .888 for 5.95 feet - Customer supplied		28589.16	13718+59	13721+21.0	5.2	0.888												0.0	5.9	5.9	7.0			1196
B176	Bend 32.3 deg. 3.0 Ds Right Turn MCSO: 39.82	Before ults w.: 0.7%(0.302) MCSO: 40.4 ID:40.8 mph:3.5 Clik:2 to 8 After dis w.: 0.5%(0.225) MCSO: 40.5 ID:40.8 mph:9.4 Clik:2 to 8 MPH coming into Bend (-10ft): 6.3 Leaving Bend (+10ft): 13.0 Min MPH over range: 0.4 at Index 4567303	28592.14	13718+56		8.9	0.888											39.82	3.0	5.9	3.0	7.0			
W87	Wall change from .888 to .617 for 206.70 feet - Customer supplied		28595.11	13718+53	13721+16.7	9.3	0.617												0.0	7.0	7.0	37.7			1185
S1	Deformation - Dent	Field Reported	28772.47	13716+76		1.8	0.617	05:50	0.960	2.28	0.829	1.973	25.80	21.99	1.994	4.75	201.40	38.76	12.2	41.6	29.4	7.1			
W88	Wall change from .617 to .740 for 7.14 feet - Customer supplied		28801.90	13716+46	13718+96.1	7.5	0.740												0.0	7.1	7.1	40.2			1194
B177	Bend 36.0 deg. 3.0 Ds Left Turn MCSO: 39.75	Before ults w.: 0.4%(0.175) MCSO: 40.6 ID:40.8 mph:8.2 Clik:4 to 10 After dis w.: 0.3%(0.119) MCSO: 40.6 ID:40.8 mph:3.7 Clik:5 to 11 MPH coming into Bend (-10ft): 8.9 Leaving Bend (+10ft): 9.9 Min MPH over range: 0.4 at Index 4594146	28805.47	13716+43		3.6	0.740											39.75	3.6	7.1	3.6	40.2			
W89	Wall change from .740 to .617 for 204.27 feet - Customer supplied		28809.04	13716+39	13718+90.5	2.4	0.617												0.0	40.2	40.2	40.9			1196
B178	Fid Bnd 8.07 deg. Left Turn MCSO: 40.37		28912.06	13715+36		8.1	0.617											40.37	21.9	41.0	19.1	42.4			
B179	Fid Bnd 8.64 deg. Left Turn MCSO: 40.32		28951.69	13714+96		16.1	0.617											40.32	20.5	42.4	21.9	39.7			
W90	Wall change from .617 to .740 for 8.96 feet - Customer supplied		29013.31	13714+35	13716+85.4	7.2	0.740												0.0	9.0	9.0	41.5			1220
B180	Bend 45.2 deg. 3.0 Ds Left Turn MCSO: 40.11	Before ults w.: 0.2%(0.083) MCSO: 40.6 ID:40.8 mph:6.3 Clik:2 to 8 After dis w.: 0.1%(0.046) MCSO: 40.7 ID:40.8 mph:0.4 Clik:3 to 9 MPH coming into Bend (-10ft): 2.5 Leaving Bend (+10ft): 10.0 Min MPH over range: 0.4 at Index 4619621	29017.79	13714+30		7.8	0.740											40.11	4.5	9.0	4.5	41.5			
W91	Wall change from .740 to .617 for 599.63 feet - Customer supplied		29022.26	13714+26	13716+77.6	5.5	0.617												0.0	41.5	41.5	40.1			1221
B181	Fid Bnd 7.62 deg. Right Turn MCSO: 40.54		29286.32	13711+62		8.8	0.617											40.54	21.2	40.6	19.3	40.5			

(b) (7)(F)

Event ID	Event Description	Comment	Enduro Station	Projected Station	Customer Station	Tool Spd	W.T.	Clock Off.	Dent Dep.	Dent %OD	Est. Dent Depth After Excavation	Est. Dent %OD After Excavation	Dent Len.	Dent Wid.	Total Size	Total %OD	Total Len.	MCSD	To U/S Weld	Cur. Joint Len.	To O/S Weld	Len. O/S Joint	Latitude	Longitude	Elevation
B182	Fid Bnd 7.82 deg. Right Turn MCSD: 40.40		29325.47	13711+23		6.2	0.617											40.40	19.8	40.5	20.7	40.0			
B183	Fid Bnd 5.74 deg. Left Turn MCSD: 40.46		29603.41	13708+45		9.3	0.617											40.46	15.7	33.4	17.7	7.1			
W92	Wall change from .517 to .740 for 7.09 feet - Customer supplied		29621.10	13708+27	13710+74.7	8.5	0.740												0.0	7.1	7.1	40.4			1204
B184	Bend 36.6 deg. 3.0 Ds Left Turn MCSD: 39.86	Before uts w.: 0.6%(0.321) MCSD: 40.4 ID:40.8 mph:9.3 Clk:2 to 8 After dis w.: 0.7%(0.289) MCSD: 40.5 ID:40.8 mph:8.8 Clk:2 to 8 MPH coming into Bend (-10ft): 10.9 Leaving Bend (+10ft): 14.1 Min MPH over range: 0.3 at Index 4691791	29624.65	13708+23		1.1	0.740											39.86	3.5	7.1	3.5	40.4			
W93	Wall change from .740 to .517 for 406.35 feet - Customer supplied		29628.19	13708+20	13710+68.5	6.9	0.617												0.0	40.4	40.4	40.3			1203
W94	Wall change from .517 to .740 for 142.97 feet - Customer supplied		30034.54	13704+13	13705+66.2	4.6	0.740												0.0	22.1	22.1	40.3			1137
W95	Wall change from .740 to .888 for 1.94 feet - Customer supplied		30177.51	13702+70	13705+26.1	5.9	0.888												0.0	1.9	1.9	38.9			1111
B185	Bend 9.4 deg. 3.0 Ds Up Turn MCSD: 39.52	Before uts w.: 0.7%(0.306) MCSD: 40.1 ID:40.5 mph:10.1 Clk:3 to 9 After dis w.: 0.7%(0.308) MCSD: 40.2 ID:40.5 mph:4.8 Clk:3 to 9 MPH coming into Bend (-10ft): 11.8 Leaving Bend (+10ft): 4.3 Min MPH over range: 2.0 at Index 4759751	30178.49	13702+70		7.9	0.888											39.52	1.0	1.9	1.0	38.9			
W96	Wall change from .888 to .740 for 38.88 feet - Customer supplied		30179.46	13702+69	13705+23.9	7.2	0.740												0.0	38.9	38.9	1.9			1111
W97	Wall change from .740 to .888 for 1.95 feet - Customer supplied		30218.34	13702+30	13704+85.7	3.2	0.888												0.0	1.9	1.9	19.9			1111
B186	Bend 10.5 deg. 3.0 Ds Up Turn MCSD: 39.40	Before uts w.: 0.7%(0.282) MCSD: 40.2 ID:40.5 mph:5.0 Clk:3 to 9 After dis w.: 0.6%(0.346) MCSD: 40.1 ID:40.5 mph:0.8 Clk:3 to 9 MPH coming into Bend (-10ft): 5.5 Leaving Bend (+10ft): 7.4 Min MPH over range: 0.3 at Index 4753602	30219.31	13702+29		3.3	0.888											39.40	1.0	1.9	1.0	19.9			
W98	Wall change from .888 to .740 for 434.25 feet - Customer supplied		30220.29	13702+28	13704+82.9	3.3	0.740												0.0	19.9	19.9	40.3			1111
B187	Bend 52.0 deg. 3.0 Ds Right Turn MCSD: 39.56	Before uts w.: 0.3%(0.139) MCSD: 40.3 ID:40.5 mph:4.1 Clk:5 to 11 After dis w.: 0.2%(0.100) MCSD: 40.4 ID:40.5 mph:5.3 Clk:5 to 11 MPH coming into Bend (-10ft): 5.3 Leaving Bend (+10ft): 6.6 Min MPH over range: 2.3 at Index 4785126	30407.22	13700+41		5.3	0.740											39.56	5.3	10.5	5.3	3.1			
F3	End Line Pipe	Spread 1, Section 2 Boonesmill, VA	30654.54	13697+93		1.6	0.740											40.68	0.0	0.0					

(b) (7)(F)