

WATERLINE PROJECT CONTROL AND COORDINATE DATA						
POINT NO.	BASELINE STATION	OFFSET	SIDE	DESCRIPTION	NORTHING	EASTING
1	-	-	-	E. 1/4 Cor. Sec. 27 T27S RIW	1,680,743.28	1,628,689.36
2	-	-	-	N.E. Cor. Sec. 27 T27S RIW	1,683,382.48	1,628,628.20
3	-	-	-	N. 1/4 Cor. Sec. 26 T27S RIW	1,683,446.78	1,631,259.39
4	-	-	-	Center Cor. Sec. 26 T27S RIW	1,680,805.78	1,631,322.48
5	-	-	-	S. 1/16 Cor. N.E. 1/4 Cor. Sec. 26 T27S RIW	1,680,840.72	1,632,643.08
6	-	-	-	Center Cor. N.E. 1/4 Cor. Sec. 26 T27S RIW	1,682,161.80	1,632,613.29
7	-	-	-	E. 1/4 Sec. Cor. Sec. 26 T27S RIW	1,680,876.42	1,633,963.91
8	-	-	-	N.E. Sec. Cor. Sec. 26 T27S RIW	1,683,518.13	1,633,907.64
9	-	-	-	N. 1/4 Sec. Cor. Sec. 25 T27S RIW	1,683,580.58	1,636,533.51
10	-	-	-	Center Sec. Cor. Sec. 25 T27S RIW	1,680,933.60	1,636,593.78
11	-	-	-	W. 1/4 Cor. Sec. 35 T27S RIW	1,675,476.21	1,628,832.01
12	-	-	-	Center Sec. Cor. Sec. 35 T27S RIW	1,675,535.46	1,631,431.84
13	-	-	-	S.E. Cor. Sec. 27 T27S RIW	1,678,113.58	1,628,751.20
14	-	-	-	S. 1/4 Cor. Sec. 26 T27S RIW	1,678,165.30	1,631,387.84
100	178+99.95	19.71'	Lt.	BM *18 - Baseline I-235	1,678,860.7818	1,630,536.3986
101	184+00.34	1.36'	Lt.	BM *19 - Baseline I-235	1,679,361.2414	1,630,539.3569
102	188+97.55	1.23'	Lt.	BM *20 - Baseline I-235	1,679,857.8963	1,630,516.0294
103	204+18.36	0.23'	Lt.	BM *25 - Baseline I-235	1,681,376.7222	1,630,440.0775
104	211+98.45	14.50'	Lt.	BM *26 - Baseline I-235	1,682,127.7783	1,630,245.1748
105	218+99.25	2.36'	Lt.	BM *27 - Baseline I-235	1,682,748.6821	1,629,928.0527
106	226+34.78	21.94'	Lt.	BM *28 - Baseline I-235	1,683,340.4536	1,629,490.7956
107	230+51.50	535.54'	Lt.	BM *28A - Baseline I-235	1,683,387.9627	1,628,831.1113
108	227+73.04	177.35'	Lt.	BM *28B - Baseline I-235	1,683,364.8021	1,629,284.2157
109	225+89.20	107.49'	Rt.	BM *28C - Baseline I-235	1,683,377.2062	1,629,623.0034
110	222+73.34	545.77'	Rt.	BM *28D - Baseline I-235	1,683,369.2492	1,630,163.1826
111	227+57.31	21.51'	Rt.	BM *29 - Baseline I-235	1,683,465.7851	1,629,456.2482
112	235+08.00	1.45'	Lt.	BM *30 - Baseline I-235	1,684,068.0493	1,629,007.5385
113	243+08.14	1.47'	Lt.	BM *31 - Baseline I-235	1,684,723.9892	1,628,549.3170
114	249+08.77	1.26'	Lt.	BM *32 - Baseline I-235	1,685,257.8935	1,628,278.4100
115	394+26.52	112.95'	Lt.	BM *51 - Centerline U.S. 54/400	1,680,945.7430	1,628,738.7763
116	393+50.08	561.91'	Lt.	BM *51A - Centerline U.S. 54/400	1,681,390.5208	1,628,640.7216
117	394+30.14	93.61'	Lt.	BM *52 - Centerline U.S. 54/400	1,680,926.5944	1,628,743.3140
118	421+45.10	71.33'	Lt.	BM *58 - Centerline U.S. 54/400	1,681,028.8102	1,631,456.3408
119	422+11.78	740.17'	Lt.	BM *58A - Centerline U.S. 54/400	1,681,700.0816	1,631,490.8072
120	428+64.48	119.48'	Lt.	BM *59 - Centerline U.S. 54/400	1,681,111.4696	1,632,172.5764
121	433+59.08	87.13'	Lt.	BM *60 - Centerline U.S. 54/400	1,681,102.9216	1,632,668.1595
122	439+34.32	123.60'	Lt.	BM *61 - Centerline U.S. 54/400	1,681,166.9888	1,633,240.9828
123	445+09.06	141.83'	Lt.	BM *62 - Centerline U.S. 54/400	1,681,212.8130	1,633,814.1830
124	445+09	141.83'	Lt.	BM *62 Datum - Centerline U.S. 54/400	1,681,212.8130	1,633,814.1830
125	446+04.90	491.13'	Lt.	BM *62A - Centerline U.S. 54/400	1,681,566.3145	1,633,893.1291
126	450+73.67	301.32'	Lt.	BM *63 - Centerline U.S. 54/400	1,681,399.5988	1,634,367.9903
127	387+00.50	74.88'	Rt.	BM *69 - Centerline U.S. 54/400	1,680,723.2551	1,628,022.4885
128	393+28.60	1787.71'	Rt.	BM *70 - Centerline U.S. 54/400	1,680,649.7241	1,628,654.8519
129	393+23.37	538.13'	Rt.	BM *70A - Centerline U.S. 54/400	1,680,290.4679	1,628,666.8974
130	418+48.85	128.95'	Rt.	BM *76 - Centerline U.S. 54/400	1,680,814.5273	1,631,170.0561
131	426+06.27	174.7'	Rt.	BM *77 - Centerline U.S. 54/400	1,680,805.2228	1,631,928.7995
132	432+43.95	155.37'	Rt.	BM *78 - Centerline U.S. 54/400	1,680,855.1699	1,632,564.8142
133	431+20.79	434.90'	Rt.	BM *78A - Centerline U.S. 54/400	1,680,570.0452	1,632,455.2274
134	439+98.93	90.20'	Rt.	BM *79 - Centerline U.S. 54/400	1,680,956.5401	1,633,315.7909
135	445+97.45	108.6'	Rt.	BM *80 - Centerline U.S. 54/400	1,680,966.9192	1,633,914.5037
136	445+97.45	108.60'	Rt.	BM *80A - Centerline U.S. 54/400	1,680,966.9192	1,633,914.5037
137	452+38.33	31.89'	Rt.	BM *81 - Centerline U.S. 54/400	1,681,077.1392	1,634,551.4322
138	461+00	82.58'	Rt.	BM *98 - Centerline U.S. 54/400	1,681,111.1352	1,635,417.2249
Waterline 6						
200	20+00.00	-	CL	Begin connect to exist., 8" - 45 Deg. Bend	1,680,916.0689	1,628,449.3082
201	20+13.26	33.28'	Lt.	Exist. A/C	1,680,927.1120	1,628,434.4040
202	20+38.86	-	CL	8" - 11.25 Deg. Bend	1,680,944.5804	1,628,475.7075
203	20+58.90	-	CL	1.5 Deg. Horz. Deflection	1,680,956.3476	1,628,491.9318
204	20+58.90	-	CL	Vertical Deflection	1,680,956.3476	1,628,491.9318
205	20+78.90	-	CL	0.5 Deg Deflection	1,680,967.8059	1,628,508.3240
206	21+01.82	7.03'	Lt.	Exist. A/C	1,680,986.8314	1,628,522.9208
207	21+77.54	-	CL	8" - 33.75 Deg. Bend	1,681,025.0214	1,628,588.6740
208	21+77.54	-	CL	Vertical Deflection	1,681,025.0214	1,628,588.6740
209	22+00.00	-	CL	Vertical Deflection	1,681,025.6893	1,628,611.1259
210	22+21.25	12.54'	Lt.	Exist. A/C = Exist. R/W	1,681,040.5456	1,628,633.3656
211	22+61.16	-	CL	Connect to Hot Tap, End	1,681,027.5077	1,628,672.2571
212	-	-	-	Exist. R/W = Exist. A/C	1,680,927.1120	1,628,434.4040
Waterline 7						
240	10+00.00	-	CL	Begin connect to exist., 1.7 Deg. Horz. Deflection	1,679,223.0919	1,630,708.4794
241	10+20.00	-	CL	Vertical Deflection	1,679,243.0843	1,630,709.0311
242	10+50.23	-	CL	Residential Service Tap	1,679,273.3051	1,630,709.8651
243	10+99.39	18.75'	Rt.	Exist. R/W = Property Line	1,679,321.3675	1,630,731.9887
244	11+05.00	-	CL	Vertical Deflection	1,679,328.0519	1,630,711.3759
245	11+90.00	-	CL	Vertical Deflection	1,679,413.0196	1,630,713.7206
246	12+12.22	-	CL	Residential Service Tap	1,679,435.2298	1,630,714.3335
247	12+19.07	12.54'	Rt.	Exist. R/W	1,679,441.7300	1,630,727.0600
248	12+46.13	-	CL	8" - 90 Deg. Bend, End connect to exist.	1,679,469.1314	1,630,715.2691
249	-	-	-	Exist. R/W = Property Line	1,679,202.0783	1,630,732.8758
250	-	-	-	Prop. R/W & A/C = Exist R/W	1,679,506.1571	1,630,706.2870

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POINT NO.	BASELINE STATION	OFFSET	SIDE	DESCRIPTION	NORTHING	EASTING
Waterline 9A						
270	10+00.00	-	CL	Begin connect to exist., 12" - 33.75 Deg. Bend	1,681,055.7986	1,631,464.1009
271	10+04.00	-	CL	45 Deg. Vertical Bend	1,681,056.1729	1,631,468.0833
272	10+06.36	-	CL	45 Deg. Vertical Bend	1,681,056.3938	1,631,470.4330
273	10+20.01	-	CL	2.5 Deg. Horz. Deflection	1,681,057.6711	1,631,484.0230
274	10+45.79	-	CL	12" x 8" Tee	1,681,058.9650	1,631,509.7723
275	10+61.51	22.93'	Lt.	Exist. R/W = Exist. A/C	1,681,076.4252	1,631,520.4009
276	11+34.23	-	CL	12" - 90 Deg. Bend	1,681,063.4032	1,631,598.0954
277	11+46.32	-	CL	Vertical Deflection	1,681,051.3247	1,631,598.7023
278	11+56.32	-	CL	45 Deg. Vertical Bend	1,681,041.3373	1,631,599.2042
279	11+65.54	-	CL	45 Deg. Vertical Bend	1,681,032.1289	1,631,599.6669
280	11+75.73	-	CL	Connect to Hot Tap, End	1,681,021.9494	1,631,600.1784
281	-	-	-	Exist. R/W	1,681,110.2600	1,631,409.9200
282	-	-	-	Exist. R/W	1,681,111.8000	1,631,439.8200
Waterline 9B						
300	-	-	-	12" MJ Cap & Blow Off Valve	1,681,535.5674	1,630,780.9944
301	-	-	-	Prop. R/W & A/C	1,681,574.7051	1,630,691.8608
302	-	-	-	Exist. R/W & A/C	1,681,474.1300	1,630,760.6100
303	-	-	-	Prop. R/W & A/C = Exist. R/W & A/C	1,681,399.9576	1,630,874.3463
Waterline 10A						
325	10+00.00	-	CL	Begin connect to exist., 4" - 90 Deg. Bend	1,681,689.6586	1,630,018.7719
326	10+30.07	26.28'	Rt.	Prop. R/W & A/C	1,681,719.7110	1,630,045.0712
327	10+50.00	-	CL	Vertical Deflection	1,681,739.6586	1,630,018.8103
328	12+15.00	-	CL	Vertical Deflection	1,681,904.6585	1,630,018.9369
329	12+15.95	23.89'	Rt.	Prop. R/W & A/C	1,681,905.5945	1,630,042.8297
330	13+14.86	-	CL	4" - 22.25 Deg. Bend	1,682,004.5226	1,630,019.0136
331	13+26.57	10.09'	Rt.	Prop. R/W & A/C	1,682,019.1936	1,630,023.8650
332	14+49.52	11.00'	Rt.	Prop. R/W & A/C	1,682,133.1742	1,629,977.7467
333	14+54.86	-	CL	4" - 11.25 Deg. Bend	1,682,133.9068	1,629,965.5372
334	14+74.86	-	CL	0.34 Deg. Horz. Deflection	1,682,153.5255	1,629,961.6505
335	15+42.08	-	CL	4" - 11.25 Deg. Bend, End connect to exist.	1,682,219.3855	1,629,948.2040
Waterline 10B						
360	20+00.00	-	CL	Begin connect to exist., 3.0 Deg. Horz. Deflection	1,682,858.7015	1,629,645.4074
361	20+40.00	-	CL	3.0 Deg. Horz. Deflection	1,682,892.1059	1,629,623.4040
362	21+20.00	-	CL	Vertical Deflection	1,682,956.5200	1,629,575.9612
363	21+63.08	-	CL	0.34 Deg. Horz. Deflection	1,682,991.2091	1,629,550.4116
364	21+87.90	37.25'	Rt.	Exist. R/W & A/C	1,683,032.5872	1,629,567.4702
365	21+98.87	6.43'	Rt.	Prop. R/W & A/C	1,683,024.4953	1,629,535.7768
366	23+34.06	-	CL	3.0 Deg. Horz. Deflection	1,683,133.0868	1,629,454.9891
367	23+74.06	-	CL	End connect to exist.	1,683,165.0644	1,629,430.9592
368	-	-	-	Exist. R/W & A/C = Prop. R/W & A/C	1,682,829.8838	1,629,679.0387
369	-	-	-	Exist. R/W & A/C = Prop. R/W & A/C	1,683,216.4843	1,629,408.9847
370	-	-	-	Exist. R/W & A/C = Prop. R/W & A/C	1,683,309.8774	1,629,376.7896
Waterline 11						
400	20+00.00	-	CL	Begin connect to exist., 12" - 45 Deg. Bend	1,683,416.7115	1,683,416.7115
401	20+08.88	-	CL	West End of 24" Steel Casing Pipe	1,683,416.9262	1,629,354.7675
402	22+33.88	-	CL	East End of 24" Steel Casing Pipe	1,683,422.3673	1,629,579.7017
403	22+41.50	-	CL	12" - 45 Deg. Bend	1,683,422.5517	1,629,587.3271
404	22+48.62	-	CL	12" - 45 Deg. Bend, End connect to exist.	1,683,427.7053	1,629,592.2372
405	-	-	-	Exist. R/W & Exist. A/C	1,683,438.6569	1,629,289.7813
406	-	-	-	Exist. R/W & Exist. A/C	1,683,359.9185	1,629,342.3784
Waterline 12A						
425	10+00.00	-	CL	Begin connect to exist., 8" - 45 Deg. Bend	1,684,760.4583	1,628,725.3389
426	10+00.75	18.37'	Rt.	R/W & A/C	1,684,742.5716	1,628,721.1021
427	10+09.90	-	CL	8" - 45 Deg. Bend	1,684,757.7878	1,628,734.8714
428	10+09.90	41.33'	Lt.	Proposed R/W	1,684,789.2279	1,628,761.7000
429	10+23.49	2.13'	Lt.	Exist. R/W	1,684,744.8987	1,628,739.6734
430	10+28.90	-	CL	8" - 45 Deg. Bend	1,684,741.2266	1,628,744.1842
431	10+28.90	-	CL	Vertical Deflection	1,684,741.2266	1,628,744.1842