

WATERLINE PROJECT CONTROL AND COORDINATE DATA						
POINT NO.	BASELINE STATION	OFFSET	SIDE	DESCRIPTION	NORTHING	EASTING
Waterline IC (Continued)						
625	520+24.12	0.00'	€	Vertical P.I.	1,672,180.5869	1,634,134.7802
626	520+75.65	0.00'	€	Vertical P.I.	1,672,180.1014	1,634,083.2524
627	520+90.00	0.00'	€	Vertical P.I.	1,672,179.9663	1,634,068.9031
628	520+94.62	0.00'	€	45° Bend Horiz. (Restrained)	1,672,179.9228	1,634,064.2871
629	520+95.98	0.00'	€	45° Bend Horiz. (Restrained)	1,672,178.9516	1,634,063.3341
Waterline ID						
436	313+70.37	0.00'	€	Tee Line I	1,673,238.2568	1,634,167.1498
630	530+10.00	0.00'	€	45° & 11.25° Bend Horiz. (Restrained)	1,673,238.4669	1,634,177.1476
631	530+20.00	0.00'	€	8" Hot Tap w/ Valve	1,673,230.1141	1,634,182.6458
Waterline IE						
443	315+49.31	0.00'	€	Tee Line I	1,673,417.1571	1,634,163.3894
632	540+31.00	0.00'	€	Vertical P.I.	1,673,416.5056	1,634,132.3962
633	540+48.60	0.00'	€	Vertical P.I.	1,673,416.1358	1,634,114.8001
634	541+02.14	0.00'	€	Horiz. P.I.	1,673,415.0106	1,634,061.2671
635	541+16.23	0.00'	€	Vertical P.I.	1,673,415.4520	1,634,047.1889
636	541+20.74	0.00'	€	Vertical P.I.	1,673,415.5933	1,634,042.6811
637	541+22.14	0.00'	€	Horiz. P.I.	1,673,415.6373	1,634,041.2770
Waterline IF						
456	318+49.88	0.00'	€	Tee Line I	1,673,701.4664	1,634,118.1973
638	550+05.00	0.00'	€	Vertical P.I.	1,673,701.1741	1,634,113.2059
639	550+15.00	0.00'	€	Connect to Exist	1,673,700.5894	1,634,103.2230
Waterline IG						
461	321+02.03	0.00'	€	Tee Line I	1,673,953.4835	1,634,110.1069
640	560+02.39	0.00'	€	Vertical P.I.	1,673,953.5337	1,634,112.4963
641	560+06.43	0.00'	€	Vertical P.I.	1,673,953.6186	1,634,116.5354
642	560+11.94	0.00'	€	Vertical P.I.	1,673,953.7344	1,634,122.0442
643	560+16.47	0.00'	€	Connect to Exist	1,673,953.8296	1,634,126.5732
Waterline IH						
464	322+28.61	0.00'	€	Tee Line I	1,674,080.0304	1,634,107.4469
644	570+01.25	0.00'	€	Vertical P.I.	1,674,080.0567	1,634,108.6966
645	570+05.18	0.00'	€	Vertical P.I.	1,674,080.1393	1,634,112.6258
646	570+13.61	0.00'	€	Vertical P.I.	1,674,080.3165	1,634,121.0539
647	570+18.25	0.00'	€	Vertical P.I.	1,674,080.4140	1,634,125.6929
648	570+54.66	0.00'	€	Connect to Exist	1,674,081.1791	1,634,162.0966
Waterline II						
472	324+12.45	0.00'	€	Tee Line I	1,674,263.8312	1,634,103.5835
649	580+07.05	0.00'	€	Connect to Exist	1,674,263.6830	1,634,096.5364
Waterline IJ						
474	324+64.59	0.00'	€	Tee Line I	1,674,315.9623	1,634,102.4878
650	590+01.00	0.00'	€	Vertical P.I.	1,674,315.9833	1,634,103.4876
651	590+02.93	0.00'	€	Vertical P.I.	1,674,316.0239	1,634,105.4171
652	590+13.93	0.00'	€	Vertical P.I.	1,674,316.2551	1,634,116.4147
653	590+34.05	0.00'	€	Vertical P.I.	1,674,316.6779	1,634,136.5303
654	590+35.00	0.00'	€	90° Bend Horiz. (Restrained)	1,674,316.6979	1,634,137.4800
655	590+39.51	0.00'	€	90° Bend Horiz. (Restrained) Connect to Exist	1,674,321.2048	1,634,137.3940
Waterline IK						
488	329+44.16	0.00'	€	Tee Line I	1,674,794.8903	1,634,092.9211
656	600+04.00	0.00'	€	Vertical P.I.	1,674,794.8062	1,634,088.9220
657	600+05.48	0.00'	€	Vertical P.I.	1,674,794.7751	1,634,087.4423
658	600+16.58	0.00'	€	Vertical P.I.	1,674,794.5419	1,634,076.3448
659	600+49.13	0.00'	€	Vertical P.I.	1,674,793.8578	1,634,043.8020
660	600+56.80	0.00'	€	Vertical P.I.	1,674,793.6967	1,634,036.1337
661	600+60.00	0.00'	€	Connect to Exist	1,674,793.6294	1,634,032.9344
Waterline IL						
489	329+47.75	0.00'	€	Tee Line I	1,674,798.4818	1,634,092.8456
662	610+10.00	0.00'	€	Vertical P.I.	1,674,798.6919	1,634,102.8434
663	610+31.55	0.00'	€	Vertical P.I.	1,674,799.1448	1,634,124.3886
664	610+35.15	7.95'	€	1" Short Service Line	1,674,807.1706	1,634,127.8236
665	610+44.55	0.00'	€	Vertical P.I.	1,674,799.4180	1,634,137.3858
666	610+80.00	0.00'	€	90° Bend Horiz. (Restrained)	1,674,800.1629	1,634,172.8280
667	610+84.35	0.00'	€	90° Bend Horiz. (Restrained) Connect to Exist	1,674,804.5166	1,634,172.7364
Waterline IM						
503	334+86.66	0.00'	€	Tee Line I	1,675,337.2670	1,634,081.5207
668	620+50.33	0.00'	€	Vertical P.I.	1,675,336.2093	1,634,031.2018
669	620+74.95	0.00'	€	Vertical P.I.	1,675,335.6919	1,634,006.5872
670	620+79.95	0.00'	€	Connect to Exist	1,675,335.5868	1,634,001.5883

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POINT NO.	BASELINE STATION	OFFSET	SIDE	DESCRIPTION	NORTHING	EASTING
Waterline IN						
504	334+94.36	0.00'	€	Tee Line I	1,675,344.9657	1,634,081.3589
671	630+01.50	0.00'	€	Vertical P.I.	1,675,344.9972	1,634,082.8585
672	630+03.81	0.00'	€	Vertical P.I.	1,675,345.0457	1,634,085.1680
673	630+28.81	0.00'	€	Vertical P.I.	1,675,345.5711	1,634,110.1625
674	630+38.76	0.00'	€	Vertical P.I.	1,675,345.7802	1,634,120.1103
675	630+59.78	0.00'	€	Connect to Exist	1,675,346.2219	1,634,141.1257
Waterline IO						
511	336+92.20	0.00'	€	Tee Line I	1,675,542.7621	1,634,077.2013
676	640+02.00	0.00'	€	Vertical P.I.	1,675,542.7201	1,634,075.2017
677	640+03.97	0.00'	€	Vertical P.I.	1,675,542.6787	1,634,073.2322
678	640+15.97	0.00'	€	Vertical P.I.	1,675,542.4265	1,634,061.2348
679	640+55.36	0.00'	€	Vertical P.I.	1,675,541.5988	1,634,021.8535
680	640+59.00	0.00'	€	Install FH Assy.	1,675,541.5223	1,634,018.2143
Waterline IP						
521	340+39.02	0.00'	€	Tee Line I	1,675,889.5512	1,634,072.4289
681	650+01.00	0.00'	€	Vertical P.I.	1,675,889.5637	1,634,073.4288
682	650+05.54	0.00'	€	Vertical P.I.	1,675,889.6202	1,634,077.9684
683	650+15.54	0.00'	€	Vertical P.I.	1,675,889.7447	1,634,087.9677
684	650+20.92	0.00'	€	Vertical P.I.	1,675,889.8117	1,634,093.3473
685	650+45.34	0.00'	€	Vertical P.I.	1,675,890.1157	1,634,117.7654
686	651+10.00	0.00'	€	90° Bend Horiz. (Restrained)	1,675,890.9207	1,634,182.4204
687	651+13.99	0.00'	€	90° Bend Horiz. (Restrained) Connect to Exist	1,675,886.9315	1,634,182.5005
Waterline IQ						
522	340+61.36	0.00'	€	Tee Line I	1,675,911.8923	1,634,072.1507
688	660+02.00	0.00'	€	Vertical P.I.	1,675,911.8674	1,634,070.1509
689	660+03.98	0.00'	€	Vertical P.I.	1,675,911.8427	1,634,068.1710
690	660+15.98	0.00'	€	Vertical P.I.	1,675,911.6934	1,634,056.1720
691	660+69.47	0.00'	€	Vertical P.I.	1,675,911.0274	1,634,002.6861
692	660+81.50	0.00'	€	Vertical P.I.	1,675,910.8777	1,633,990.6570
693	660+86.85	0.00'	€	Vertical P.I.	1,675,910.8111	1,633,985.3075
694	660+87.68	3.45'	€	1" Short Service Line	1,675,907.3531	1,633,984.5172
695	661+00.00	0.00'	€	90° Bend Horiz. (Restrained)	1,675,910.6473	1,633,972.1584
696	661+04.73	0.00'	€	90° Bend Horiz. (Restrained) Connect to Exist	1,675,915.3769	1,633,972.0996
Waterline IR						
535	345+13.60	0.00'	€	Tee Line I	1,675,911.8923	1,634,072.1507
697	670+30.00	0.00'	€	Vertical P.I.	1,676,364.4709	1,634,096.5182
698	670+54.78	0.00'	€	Vertical P.I.	1,676,364.7794	1,634,121.2963
699	670+80.00	0.00'	€	90° Bend Horiz. (Restrained)	1,676,365.0934	1,634,146.5143
700	670+87.67	0.00'	€	90° Bend Horiz. (Restrained) Connect to Exist	1,676,372.7628	1,634,146.4189
Waterline IS						
550	348+97.96	0.00'	€	Tee Line I	1,676,748.4223	1,634,061.7355
701	680+15.50	0.00'	€	Install FH Assy.	1,676,748.6152	1,634,077.2343
Waterline IT						
555	350+29.56	0.00'	€	Tee Line I	1,676,880.0173	1,634,060.0971
702	690+05.00	0.00'	€	Vertical P.I.	1,676,880.0796	1,634,065.0967
703	690+10.64	0.00'	€	Vertical P.I.	1,676,880.1498	1,634,070.7363
704	690+16.75	0.00'	€	Install FH Assy.	1,676,880.2259	1,634,076.8458
705	690+40.50	0.00'	€	Vertical P.I.	1,676,880.5215	1,634,100.5939
706	691+03.54	0.00'	€	Vertical P.I.	1,676,881.3063	1,634,163.6291
707	691+53.73	0.00'	€	Vertical P.I.	1,676,881.9312	1,634,213.8152
708	695+26.94	0.00'	€	Connect to Exist	1,676,886.5774	1,634,586.9926
Waterline IU						
557	350+98.16	0.00'	€	Tee Line I	1,676,948.6136	1,634,059.2430
709	700+03.00	0.00'	€	Vertical P.I.	1,676,948.5763	1,634,056.2433
710	700+09.81	0.00'	€	Vertical P.I.	1,676,948.4915	1,634,049.4338
711	700+44.07	0.00'	€	Vertical P.I.	1,676,948.0650	1,634,015.1764
712	700+56.07	0.00'	€	Vertical P.I.	1,676,947.9156	1,634,003.1774
713	700+84.00	0.00'	€	Install 2" Blow Off Assy.	1,676,947.5679	1,633,975.2496
Waterline IV						
582	356+52.27	0.00'	€	Tee Line I	1,677,502.6247	1,634,054.8455
714	710+18.06	0.00'	€	Vertical P.I.	1,677,502.8496	1,634,072.9041
715	710+20.00	0.00'	€	Vertical P.I.	1,677,502.8737	1,634,074.8440
716	710+21.00	0.00'	€	Connect to Exist. 6" Line	1,677,502.8862	1,634,075.8439
Waterline IU						
585	357+17.04	0.00'	€	Tee Line I	1,677,567.3705	1,634,053.2293
717	720+04.00	0.00'	€	Vertical P.I.	1,677,567.1463	1,634,049.2356
718	720+06.35	0.00'	€	Vertical P.I.	1,677,567.0145	1,634,046.8893
719	720+18.35	0.00'	€	Vertical P.I.	1,677,566.3419	1,634,034.9081
720	720+20.00	0.00'	€	Horiz. P.I.	1,677,566.2494	1,634,033.2607

WATERLINE PROJECT CONTROL AND COORDINATE DATA						
POINT NO.	BASELINE STATION	OFFSET	SIDE	DESCRIPTION	NORTHING	EASTING
Waterline IU (Continued)						
721	720+50.55	0.00'	€	Vertical P.I.	1,677,565.482	