POINT INFORMATION

POINT NUMBER	WATER MAIN STATION	COORDINATE LISTING NORTHING	EASTING	DESCRIPTION
COLLINS HILL ROAD WATER MAIN 'A'				
200	10+00	1 445 780.00	2 349 931.44	TAPPING SLEEVE AND VALVE, 12 X 12
201	10+12	1 445 780.04	2 349 941.00	90° HORIZ. BEND
202	10+85	1 445 776.05	2 349 974.79	12 X 12 RJ DIP TEE
203	10+70	1 445 740.00	2 349 987.04	16 X 12 RJ DIP REDUCER
204	10+00	1 445 745.23	2 349 981.61	90° HORIZ. BEND
205	12+00	1 445 925.70	2 349 775.40	BUTTERFLY VALVE, 16-INCH
206	13+00	1 445 985.05	2 349 773.00	16 X 6 RJ DIP TEE
207	13+01	1 445 985.00	2 349 782.04	END JACK AND BORE
208	14+17	1 446 089.29	2 349 715.46	END JACK AND BORE
209	14+00	1 446 089.40	2 349 698.06	PT. OF WATER MAIN
210	17+85	1 446 346.00	2 349 587.99	16 X 6 RJ DIP TEE
211	19+15	1 446 409.41	2 349 465.12	90° HORIZ. BEND
212	19+23	1 446 406.90	2 349 469.80	BUTTERFLY VALVE, 16-INCH
213	19+96	1 446 404.07	2 349 524.63	45° VERT. BEND
214	19+99	1 446 391.36	2 349 526.99	45° VERT. BEND
215	20+00	1 446 386.38	2 349 544.85	16 X 16 RJ DIP TEE
216	20+19	1 446 314.07	2 349 539.89	45° HORIZ. BEND
217	20+24	1 446 309.29	2 349 540.88	BUTTERFLY VALVE, 16-INCH
218	20+76	1 446 276.05	2 349 549.30	16 X 6 RJ DIP TEE
219	20+91	1 446 265.63	2 349 551.85	45° VERT. BEND
220	21+21	1 446 015.19	2 349 559.96	45° VERT. BEND
223	21+75	1 446 665.67	2 349 566.19	22 1/2° HORIZ. BEND
224	21+76	1 446 671.09	2 349 565.51	BEGIN CASING/BEGIN OPEN CUT
225	22+61	1 446 772.27	2 349 542.11	END OPEN CUT/BEGIN JACK AND BORE
226	22+65	1 447 010.91	2 349 496.46	END JACK AND BORE/BEGIN OPEN CUT
227	22+69	1 447 009.93	2 349 496.06	END OPEN CUT/END CASING
228	22+12	1 447 005.86	2 349 497.38	90° HORIZ. BEND
229	27+29	1 447 662.62	2 349 332.06	45° HORIZ. BEND
230	27+00	1 447 668.31	2 349 304.09	BUTTERFLY VALVE, 16-INCH
232	29+34	1 447 169.06	2 349 265.92	22 1/2° HORIZ. BEND
233	29+09	1 447 149.95	2 349 246.72	16 X 6 RJ DIP TEE
234	31+65	1 447 395.86	2 349 068.21	16 X 6 RJ DIP TEE
235	32+95	1 447 511.00	2 349 032.42	45° HORIZ. BEND
236	33+62	1 447 527.67	2 347 999.62	45° HORIZ. BEND
239	34+05	1 447 594.05	2 347 946.04	BUTTERFLY VALVE, 16-INCH
240	34+11	1 447 599.19	2 347 942.73	16 X 16 RJ DIP TEE
243	34+16	1 447 574.38	2 347 938.91	BUTTERFLY VALVE, 16-INCH
241	35+73	1 447 699.21	2 347 884.17	PT. OF WATER MAIN
242	35+65	1 447 716.49	2 347 849.62	16 X 6 RJ DIP TEE
244	36+17	1 447 743.00	2 347 832.62	PT. OF WATER MAIN
245	36+65	1 447 999.19	2 347 699.95	PT. OF WATER MAIN
246	40+65	1 448 111.81	2 347 597.69	PT. OF WATER MAIN
247	40+39	1 448 294.00	2 347 599.33	16 X 6 RJ DIP TEE
248	42+62	1 448 272.65	2 347 591.25	16 X12 RJ DIP TEE
249	42+47	1 448 276.90	2 347 499.00	BUTTERFLY VALVE, 16-INCH
251	42+62	1 448 281.89	2 347 499.13	16" RJ DIP PLUG

POINT INFORMATION

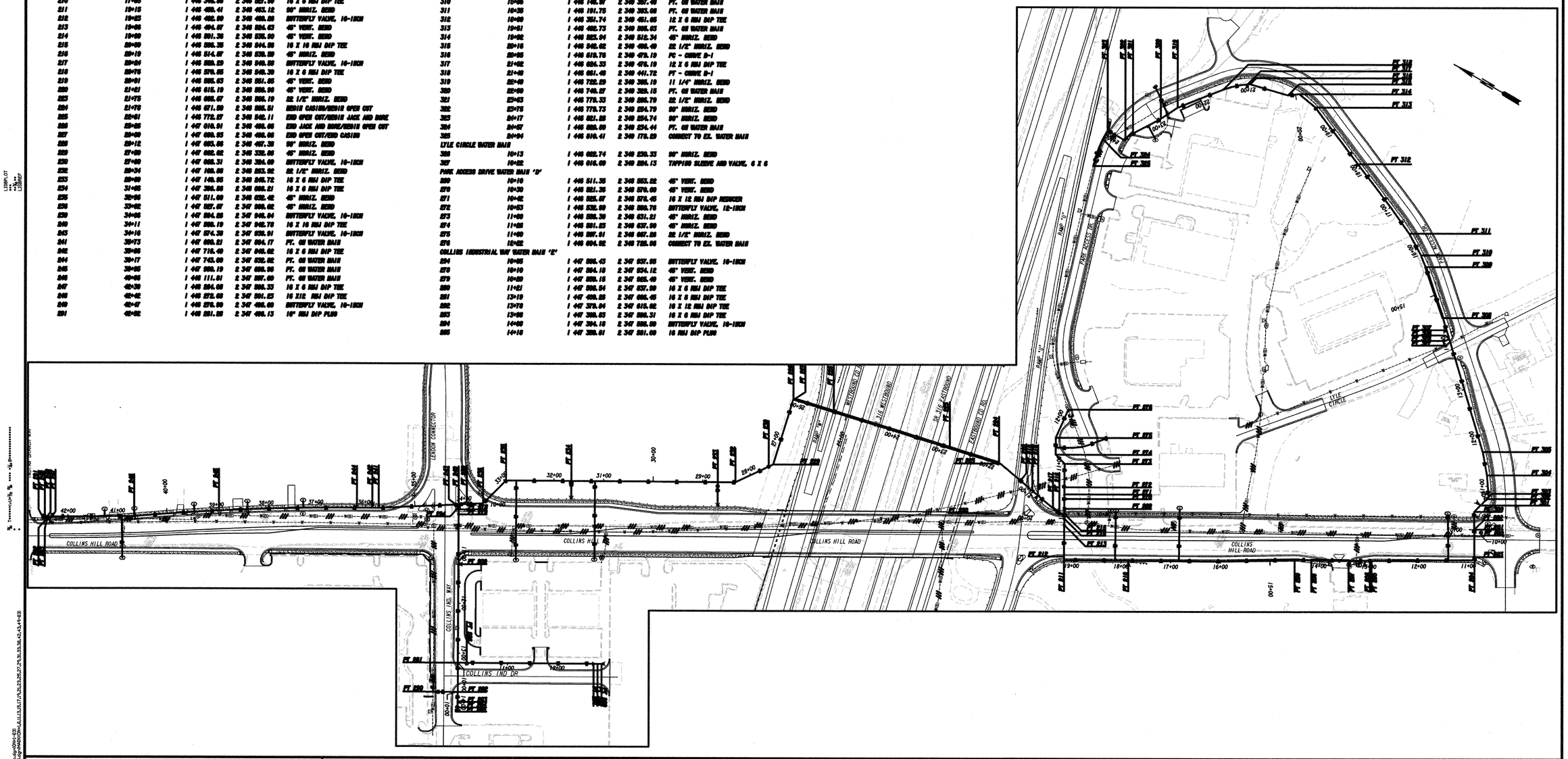
POINT NUMBER	WATER MAIN STATION	COORDINATE LISTING NORTHING	EASTING	DESCRIPTION
PARK ACCESS DRIVE WATER MAIN 'B'				
300	10+35	1 445 735.41	2 349 986.00	45° HORIZ. BEND
301	10+54	1 445 730.63	2 349 983.00	16 X 6 RJ DIP TEE
302	10+93	1 445 735.34	2 349 981.27	BUTTERFLY VALVE, 16-INCH
303	10+70	1 445 735.15	2 349 986.33	45° HORIZ. BEND
304	11+21	1 445 688.97	2 349 992.00	PT. OF WATER MAIN
305	11+00	1 445 641.00	2 349 978.04	PT. OF WATER MAIN
306	14+06	1 446 013.79	2 349 330.95	12 X 6 RJ DIP TEE
307	14+25	1 446 026.12	2 349 253.30	12 X 6 RJ DIP TEE
308	14+96	1 446 076.79	2 349 301.49	PT. OF WATER MAIN
309	15+40	1 446 113.41	2 349 339.30	PT. OF WATER MAIN
310	15+95	1 446 146.97	2 349 357.49	PT. OF WATER MAIN
311	16+35	1 446 191.75	2 349 365.00	PT. OF WATER MAIN
312	18+00	1 446 351.74	2 349 461.05	12 X 6 RJ DIP TEE
313	19+51	1 446 482.73	2 349 555.65	PT. OF WATER MAIN
314	19+92	1 446 525.94	2 349 512.34	45° VERT. BEND
315	20+16	1 446 542.02	2 349 495.49	22 1/2° HORIZ. BEND
316	20+55	1 446 610.73	2 349 473.19	PC - CURVE D-1
317	21+02	1 446 664.33	2 349 476.19	12 X 6 RJ DIP TEE
318	21+40	1 446 661.48	2 349 441.72	PT - CURVE D-1
319	22+49	1 446 722.29	2 349 365.19	11 1/4° HORIZ. BEND
320	22+90	1 446 740.27	2 349 339.15	PT. OF WATER MAIN
321	23+63	1 446 779.33	2 349 286.79	22 1/2° HORIZ. BEND
322	23+75	1 446 779.73	2 349 254.79	90° HORIZ. BEND
323	24+17	1 446 821.88	2 349 254.74	90° HORIZ. BEND
324	24+57	1 446 860.00	2 349 254.44	PT. OF WATER MAIN
325	24+94	1 446 896.41	2 349 173.29	CONNECT TO EX. WATER MAIN
LYLE CIRCLE WATER MAIN				
326	10+13	1 446 622.74	2 349 250.33	90° HORIZ. BEND
327	10+22	1 446 616.09	2 349 284.13	TAPPING SLEEVE AND VALVE, 6 X 6
PARK ACCESS DRIVE WATER MAIN 'D'				
369	10+10	1 446 511.35	2 349 583.22	45° VERT. BEND
370	10+30	1 446 521.36	2 349 570.00	45° VERT. BEND
371	10+42	1 446 525.67	2 349 570.45	16 X 12 RJ DIP REDUCER
372	10+53	1 446 532.99	2 349 569.76	BUTTERFLY VALVE, 16-INCH
373	11+60	1 446 596.39	2 349 631.21	45° HORIZ. BEND
374	11+65	1 446 591.65	2 349 637.99	45° HORIZ. BEND
375	11+90	1 446 597.61	2 349 667.69	22 1/2° HORIZ. BEND
376	12+22	1 446 604.02	2 349 725.06	CONNECT TO EX. WATER MAIN
COLLINS INDUSTRIAL WAY WATER MAIN 'E'				
294	10+05	1 447 596.43	2 347 537.95	BUTTERFLY VALVE, 16-INCH
278	10+10	1 447 594.19	2 347 534.12	45° VERT. BEND
279	10+20	1 447 589.15	2 347 525.49	45° VERT. BEND
280	11+21	1 447 596.54	2 347 537.90	16 X 6 RJ DIP TEE
281	13+19	1 447 499.25	2 347 686.45	16 X 6 RJ DIP TEE
282	13+78	1 447 379.04	2 347 615.02	16 X 12 RJ DIP TEE
283	13+98	1 447 369.63	2 347 596.31	16 X 6 RJ DIP TEE
284	14+03	1 447 364.19	2 347 586.90	BUTTERFLY VALVE, 16-INCH
285	14+18	1 447 359.61	2 347 581.00	16 RJ DIP PLUG

POINT INFORMATION

POINT NUMBER	WATER MAIN STATION	COORDINATE LISTING NORTHING	EASTING	DESCRIPTION
COLLINS INDUSTRIAL DRIVE WATER MAIN				
286	10+15	1 447 365.99	2 347 675.24	GATE VALVE, 6-INCH
287	12+70	1 447 172.12	2 347 602.95	8 X 6 RJ DIP REDUCER
288	12+00	1 447 165.00	2 347 605.95	6 GATE VALVE
289	12+00	1 447 158.17	2 347 610.00	FIRE HYDRANT
COLLINS INDUSTRIAL WAY WATER MAIN J				
290	10+20	1 447 465.00	2 347 500.00	CONNECT TO EX. WATER MAIN/90° HORIZ. BEND
COLLINS HILL ROAD WATER MAIN K				
292	10+65	1 448 200.92	2 347 495.94	BUTTERFLY VALVE, 12-INCH
293	10+67	1 448 200.35	2 347 495.62	CONNECT TO EX. WATER MAIN/90° HORIZ. BEND

CURVE INFORMATION

CURVE	P.C.	P.T.	RADIUS	ARC	TANGENT	CHORD	RADIUS POINT NORTHING	EASTING
D-1	PT.316	PT.318	100.00	58.34	29.45	57.57	1 446 047.42	2 349 497.46


COLLINS HILL ROAD
COLLINS IND. WAY
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LENDOR CONNECTOR
RAMP "H"
RAMP "G"
RAMP "I"
PARK ACCESS DR
LYLE CIRCLE
PT 316
PT 317
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