

**Application of Pennsylvania-American Water Company for Acquisition of
the Wastewater Assets of Butler Area Sewer Authority (“BASA”)**

66 Pa. C.S. § 1329

Application Filing Checklist – Water/Wastewater

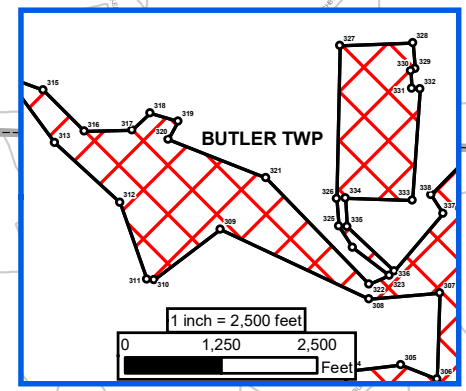
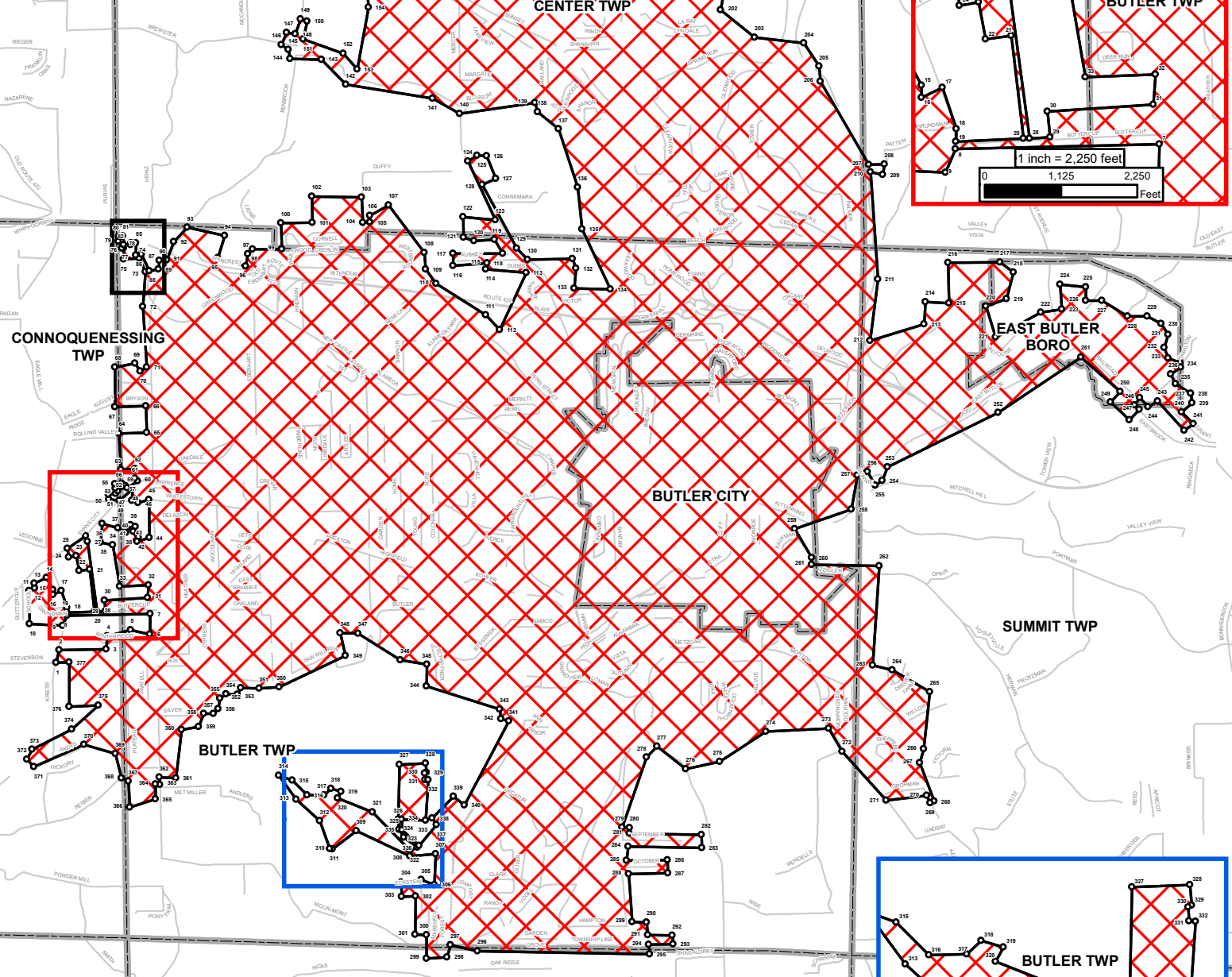
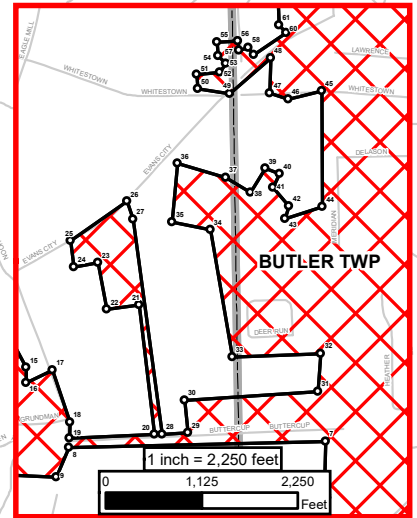
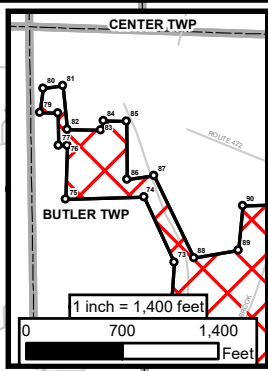
Docket No. A-2022-3037047

16. Map of Service Area. Provide a scalable map or plan of suitable scale highlighting the boundaries of the proposed service area that includes:
- a. The extent of the proposed service area with any existing adjoining service areas identified.
 - b. A north arrow depicting map orientation.
 - c. A written description of the boundaries for the service territory utilizing bearing angles and distances.
 - d. Size of the service territory area in terms of acres or square miles.
 - e. Identification and depiction of all municipal boundaries relative to the service area.
 - f. Depiction of the location or route of the waterworks or wastewater collection, treatment or disposal facilities.

RESPONSE: For subparts a. through e., see enclosed maps and descriptions attached as **Appendix A-16-a through e.**

Appendix A-16-f is a map that has been marked **CONFIDENTIAL**.

Appendix A-16 a-e



Pennsylvania-American Water Company
Butler Operating Area
Proposed Service Territory - Butler Wastewater System
Approximately 17,541 Acres
City of Butler, Butler Twp, Center Twp, Connoquenessing Twp,
East Butler Boro, Oakland Twp, and Summit Twp, Butler County

Pennsylvania American Water
 852 Wesley Drive
 Mechanicsburg, PA 17055

Legend

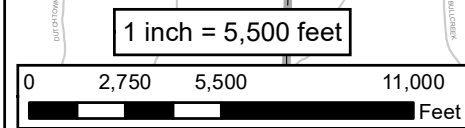
- Bearings & Distance Points
- ▨ Applied For Wastewater Service Territory
- ▭ Municipality

Drawn By: MW

Date: 2/6/2023

TO BE USED FOR REFERENCE ONLY

Although every effort has been made to ensure the accuracy of the information, errors and conditions originating from physical sources to develop the Certificated Service Territory may be reflected in the data supplied.



Disclaimer: Bearings and distances were not developed as result of physical survey completed by a Professional Licensed Survey, but instead completed through employment of ESRI's ArcGIS COGO tool. The mapping data source used for the roads base mapping is from OpenStreetMap, 2020. The mapping data source used for the municipal boundaries is from Montgomery County PA GIS, 2019.

* Bearings and Distances attached separately

Appendix A-16-c

Starting Point: The northwestern most point of parcel pin 120-3F47-11A, located at 301 Kriess Road, Connoquenessing Township, PA.				
Sequence	From	To	Bearing	Distance (ft)
1	1	2	N13°26'10"E	467.48
2	2	3	N88°54'06"E	1,697.99
3	3	4	N3°37'26"E	472.52
4	4	5	N75°32'01"E	883.71
5	5	6	S77°49'39"E	706.89
6	6	7	N1°26'20"E	737.01
7	7	8	S88°36'19"W	3,013.09
8	8	9	S22°43'47"W	376.00
9	9	10	N87°08'11"W	1,196.59
10	10	11	N1°16'51"W	1,184.07
11	11	12	N64°00'50"E	237.44
12	12	13	N4°35'00"W	169.47
13	13	14	N65°26'46"E	478.84
14	14	15	S28°08'53"E	488.14
15	15	16	S0°42'25"W	178.73
16	16	17	N64°12'32"E	346.98
17	17	18	S18°10'38"E	645.74
18	18	19	S0°31'58"W	186.30
19	19	20	N87°35'08"E	993.55
20	20	21	N6°35'17"W	1,533.02
21	21	22	S81°41'00"W	385.79
22	22	23	N10°34'01"W	556.20
23	23	24	S79°28'44"W	285.19
24	24	25	N7°20'01"W	311.13
25	25	26	N54°56'02"E	805.00
26	26	27	S18°56'28"E	218.76
27	27	28	S7°42'00"E	2,545.05
28	28	29	N87°08'24"E	304.82
29	29	30	N6°11'38"W	384.68
30	30	31	N86°08'11"E	1,566.36
31	31	32	N4°23'09"E	443.95
32	32	33	S87°36'24"W	1,037.90
33	33	34	N9°49'58"W	1,515.38
34	34	35	N78°29'25"W	456.67
35	35	36	N5°16'19"E	688.92
36	36	37	S73°44'12"E	589.44
37	37	38	S58°58'13"E	341.29
38	38	39	N30°55'49"E	330.59
39	39	40	S70°14'23"E	181.85
40	40	41	S25°51'21"W	182.30
41	41	42	S41°22'45"E	287.36
42	42	43	S17°26'37"W	157.42
43	43	44	N72°13'05"E	459.64

Appendix A-16-c

44	44	45	N0°23'10"W	1,362.55
45	45	46	S75°58'20"W	405.27
46	46	47	N71°55'16"W	226.48
47	47	48	N1°13'17"E	408.16
48	48	49	S49°12'09"W	631.08
49	49	50	N81°09'23"W	380.44
50	50	51	N4°04'44"W	167.07
51	51	52	N84°54'56"E	272.00
52	52	53	N35°32'36"E	126.61
53	53	54	N47°07'13"W	131.41
54	54	55	N4°24'24"W	157.75
55	55	56	N86°27'46"E	249.19
56	56	57	S7°13'38"E	112.21
57	57	58	N72°46'56"E	113.79
58	58	59	S38°07'44"E	102.95
59	59	60	N55°32'14"E	456.32
60	60	61	N43°40'12"W	121.25
61	61	62	N1°23'40"W	351.32
62	62	63	S85°59'47"W	500.34
63	63	64	N3°31'25"W	1,317.58
64	64	65	N88°25'27"E	1,008.11
65	65	66	N1°29'33"W	957.13
66	66	67	S88°17'10"W	1,128.39
67	67	68	N0°24'07"E	1,435.93
68	68	69	N79°30'36"E	731.75
69	69	70	S33°21'29"E	342.14
70	70	71	N59°04'06"E	282.56
71	71	72	N3°40'19"W	2,191.44
72	72	73	N3°59'10"E	1,263.65
73	73	74	N25°12'19"W	524.71
74	74	75	S88°07'47"W	569.25
75	75	76	N1°16'32"E	393.17
76	76	77	N87°40'40"W	60.89
77	77	78	N1°05'19"W	235.43
78	78	79	N88°51'27"W	132.82
79	79	80	N7°38'56"E	178.36
80	80	81	N81°26'16"E	144.59
81	81	82	S6°03'14"E	322.53
82	82	83	S89°10'30"E	244.10
83	83	84	N14°29'40"E	68.59
84	84	85	S89°03'35"E	169.10
85	85	86	S0°47'15"E	427.35
86	86	87	N81°51'59"E	198.79
87	87	88	S25°49'58"E	662.70
88	88	89	N80°20'08"E	330.78
89	89	90	N5°16'03"E	324.86
90	90	91	N88°26'14"E	266.09

Appendix A-16-c

91	91	92	N20°50'55"E	707.22
92	92	93	N43°46'49"E	713.05
93	93	94	S77°46'32"E	1,389.18
94	94	95	S18°11'37"W	846.23
95	95	96	S73°48'55"E	1,058.62
96	96	97	N9°42'59"E	439.02
97	97	98	N46°15'18"E	248.36
98	98	99	N89°41'25"E	1,041.02
99	99	100	N2°03'24"W	937.68
100	100	101	N88°39'11"E	1,139.22
101	101	102	N1°08'47"W	944.60
102	102	103	S88°51'31"E	1,797.66
103	103	104	S2°35'18"E	916.68
104	104	105	N87°19'20"E	261.75
105	105	106	N0°43'22"W	250.24
106	106	107	N60°50'45"E	767.71
107	107	108	S36°52'50"E	2,140.83
108	108	109	S4°43'21"E	608.53
109	109	110	S36°44'18"E	632.04
110	110	111	S57°25'15"E	2,129.56
111	111	112	S43°41'59"E	734.89
112	112	113	N24°44'17"E	2,272.06
113	113	114	N84°49'40"W	1,466.89
114	114	115	N12°45'48"E	220.40
115	115	116	S85°18'24"W	1,228.95
116	116	117	N1°09'35"W	437.30
117	117	118	N89°39'15"E	1,803.55
118	118	119	N31°50'16"W	579.13
119	119	120	S86°45'25"W	739.16
120	120	121	N70°04'53"W	396.95
121	121	122	N1°08'08"W	726.43
122	122	123	S85°04'45"E	1,166.36
123	123	124	N25°17'26"W	2,335.86
124	124	125	N58°03'37"E	397.72
125	125	126	S87°24'52"E	336.57
126	126	127	S22°14'54"E	878.37
127	127	128	S64°55'29"W	537.61
128	128	129	S28°26'46"E	2,604.40
129	129	130	S44°00'33"E	562.23
130	130	131	N88°55'15"E	1,631.95
131	131	132	S19°13'30"E	369.42
132	132	133	S4°46'59"W	735.98
133	133	134	S88°35'53"E	1,301.55
134	134	135	N25°09'24"W	2,400.67
135	135	136	N6°06'57"W	1,526.65
136	136	137	N18°10'54"W	2,208.54
137	137	138	N50°54'53"W	963.72

Appendix A-16-c

138	138	139	N17°37'52"W	349.77
139	139	140	S81°39'45"W	2,732.72
140	140	141	N60°38'29"W	1,133.46
141	141	142	N80°54'26"W	3,159.33
142	142	143	N44°22'33"W	1,270.45
143	143	144	N88°34'24"W	1,127.64
144	144	145	N9°55'27"W	330.50
145	145	146	N54°58'58"W	312.38
146	146	147	N23°18'22"E	465.56
147	147	148	S81°52'32"E	331.12
148	148	149	N19°02'54"E	566.33
149	149	150	S73°40'27"E	247.04
150	150	151	S12°49'57"W	666.82
151	151	152	S70°27'42"E	1,528.64
152	152	153	S41°23'46"E	765.72
153	153	154	N10°27'24"E	2,276.29
154	154	155	N5°12'04"W	2,346.91
155	155	156	N58°41'26"W	650.18
156	156	157	N31°31'14"W	2,033.15
157	157	158	N17°44'07"W	594.44
158	158	159	N86°38'51"W	642.64
159	159	160	N47°05'27"W	985.05
160	160	161	S39°00'58"W	649.18
161	161	162	N52°15'55"W	438.85
162	162	163	N37°04'05"E	692.41
163	163	164	N38°54'51"W	213.07
164	164	165	N34°23'33"E	2,908.32
165	165	166	N52°50'20"W	480.65
166	166	167	N29°19'07"W	678.35
167	167	168	N12°05'19"E	351.54
168	168	169	S88°34'18"E	368.48
169	169	170	S44°38'40"E	2,738.87
170	170	171	S25°28'04"W	638.43
171	171	172	S87°47'43"W	584.91
172	172	173	S0°26'42"E	1,280.94
173	173	174	S20°12'43"E	2,650.33
174	174	175	N88°55'22"E	377.96
175	175	176	N6°11'22"E	842.82
176	176	177	N23°50'42"E	1,525.85
177	177	178	S87°46'34"W	412.31
178	178	179	N40°40'00"W	213.12
179	179	180	N17°25'31"E	471.78
180	180	181	N87°15'05"E	891.16
181	181	182	S52°47'19"E	923.10
182	182	183	N1°18'20"W	403.39
183	183	184	N81°51'14"E	471.51
184	184	185	S1°40'36"E	479.23

Appendix A-16-c

185	185	186	N82°02'36"E	1,707.27
186	186	187	S72°07'26"E	2,057.11
187	187	188	S9°56'40"E	550.67
188	188	189	S86°14'58"E	1,716.09
189	189	190	N0°59'01"W	517.90
190	190	191	N89°27'29"E	522.12
191	191	192	S1°46'40"E	801.65
192	192	193	N73°39'08"E	746.20
193	193	194	N25°13'52"E	590.22
194	194	195	S61°12'58"E	610.37
195	195	196	S35°52'56"W	497.79
196	196	197	S21°52'44"E	329.14
197	197	198	S78°51'21"E	637.92
198	198	199	S51°08'25"E	355.07
199	199	200	S88°36'14"E	758.80
200	200	201	S54°25'21"E	2,306.35
201	201	202	S9°57'16"W	2,621.12
202	202	203	S50°56'19"E	1,578.13
203	203	204	S83°32'02"E	1,793.69
204	204	205	S33°05'56"E	995.84
205	205	206	S5°29'08"E	543.96
206	206	207	S30°01'14"E	3,471.65
207	207	208	N89°00'50"E	571.13
208	208	209	S9°47'42"W	374.87
209	209	210	N78°10'48"W	453.36
210	210	211	S3°52'46"E	3,874.65
211	211	212	S6°56'41"W	2,236.34
212	212	213	N72°48'54"E	2,036.67
213	213	214	N3°14'09"E	801.69
214	214	215	S87°02'27"E	854.92
215	215	216	N1°40'38"W	1,453.19
216	216	217	N89°28'15"E	1,865.77
217	217	218	S53°54'42"E	606.99
218	218	219	S13°56'32"W	996.30
219	219	220	S70°30'44"W	784.65
220	220	221	S16°34'07"E	1,170.23
221	221	222	N61°19'58"E	1,870.76
222	222	223	N81°19'07"E	768.05
223	223	224	N4°23'45"W	903.72
224	224	225	S84°12'49"E	924.88
225	225	226	S1°21'45"E	488.86
226	226	227	S89°05'46"E	569.80
227	227	228	S59°07'56"E	1,096.76
228	228	229	N89°34'22"E	694.51
229	229	230	S62°10'07"E	581.64
230	230	231	S32°26'18"E	468.05
231	231	232	S16°39'52"W	492.93

Appendix A-16-c

232	232	233	S21°06'16"E	397.53
233	233	234	S66°55'18"E	467.06
234	234	235	S6°48'32"E	152.83
235	235	236	S54°35'18"W	433.29
236	236	237	S25°18'02"E	386.90
237	237	238	S58°45'42"E	650.59
238	238	239	S5°48'04"E	348.51
239	239	240	S47°30'25"W	499.37
240	240	241	S44°44'33"E	600.03
241	241	242	S55°14'19"W	402.06
242	242	243	N42°10'34"W	1,417.84
243	243	244	S61°42'16"W	408.09
244	244	245	N42°57'33"W	434.21
245	245	246	S33°25'08"W	323.65
246	246	247	S48°02'04"E	222.08
247	247	248	S42°37'56"W	522.61
248	248	249	N46°38'37"W	939.15
249	249	250	N41°59'05"E	508.96
250	250	251	N48°26'38"W	1,882.31
251	251	252	S56°13'15"W	3,592.87
252	252	253	S63°44'19"W	4,444.41
253	253	254	S22°02'05"W	520.72
254	254	255	S55°08'28"W	303.86
255	255	256	N29°55'08"W	567.14
256	256	257	S70°05'03"W	386.15
257	257	258	S10°23'10"W	1,247.46
258	258	259	S70°49'52"W	2,155.23
259	259	260	S30°19'42"E	1,208.64
260	260	261	S0°58'20"E	246.21
261	261	262	S89°05'58"E	2,436.18
262	262	263	S3°48'05"W	3,592.03
263	263	264	S75°52'11"E	736.73
264	264	265	S59°59'14"E	1,555.37
265	265	266	S6°09'17"W	2,083.02
266	266	267	S16°02'53"W	514.12
267	267	268	S20°30'17"E	1,482.32
268	268	269	S65°24'00"W	149.23
269	269	270	N27°18'55"W	296.16
270	270	271	S83°22'17"W	1,460.26
271	271	272	N42°12'39"W	2,380.51
272	272	273	N29°53'10"W	960.07
273	273	274	S87°12'22"W	2,275.21
274	274	275	S56°45'24"W	1,978.59
275	275	276	S77°36'17"W	1,255.74
276	276	277	N51°52'53"W	1,326.18
277	277	278	S43°19'33"W	547.41
278	278	279	S19°12'23"W	2,673.53

Appendix A-16-c

279	279	280	S85°56'12"E	275.19
280	280	281	S1°19'49"W	202.85
281	281	282	S89°12'29"E	2,588.35
282	282	283	S1°50'25"E	474.00
283	283	284	N89°08'27"W	2,657.09
284	284	285	S6°37'23"W	503.56
285	285	286	N89°13'41"E	1,480.61
286	286	287	S1°25'34"E	482.72
287	287	288	S88°59'51"W	1,411.60
288	288	289	S4°03'28"E	1,729.96
289	289	290	S87°52'51"E	525.10
290	290	291	S5°05'15"E	451.05
291	291	292	S88°30'00"E	882.83
292	292	293	S6°11'54"E	319.66
293	293	294	S88°58'44"W	885.43
294	294	295	S5°05'16"E	344.62
295	295	296	N88°54'53"W	6,201.19
296	296	297	N77°49'24"W	995.16
297	297	298	S16°33'19"W	448.23
298	298	299	S86°23'26"W	741.12
299	299	300	N0°15'10"E	842.52
300	300	301	N87°31'22"W	415.40
301	301	302	N0°26'40"E	1,377.46
302	302	303	S88°49'00"W	496.36
303	303	304	N1°20'26"W	523.64
304	304	305	N83°18'05"E	727.09
305	305	306	S68°51'04"E	503.64
306	306	307	N1°50'50"E	1,117.79
307	307	308	S85°11'20"W	927.02
308	308	309	N64°43'32"W	2,134.08
309	309	310	S52°42'21"W	1,093.88
310	310	311	N81°00'40"W	89.86
311	311	312	N19°37'08"W	1,058.48
312	312	313	N47°26'34"W	1,151.06
313	313	314	N36°03'20"W	1,073.39
314	314	315	S69°38'05"E	514.78
315	315	316	S44°38'03"E	758.67
316	316	317	N88°42'31"E	624.19
317	317	318	N46°32'01"E	326.88
318	318	319	S73°18'01"E	381.64
319	319	320	S29°12'46"W	267.46
320	320	321	S68°33'38"E	1,365.11
321	321	322	S44°03'55"E	1,932.13
322	322	323	N66°53'25"E	287.30
323	323	324	N52°29'44"W	602.58
324	324	325	N32°39'43"W	328.53
325	325	326	N4°18'55"W	356.71

Appendix A-16-c

326	326	327	N1°04'34"E	1,993.45
327	327	328	N87°51'13"E	951.88
328	328	329	S5°44'14"E	333.83
329	329	330	S64°56'18"W	66.34
330	330	331	S3°00'02"E	231.37
331	331	332	S85°35'01"E	112.97
332	332	333	S3°59'44"W	1,450.70
333	333	334	N88°11'43"W	871.95
334	334	335	S2°41'03"E	373.63
335	335	336	S46°55'01"E	844.84
336	336	337	N40°10'56"E	986.31
337	337	338	N34°01'16"W	286.78
338	338	339	N44°12'56"E	1,092.42
339	339	340	S51°49'22"E	504.24
340	340	341	N27°48'22"E	3,427.68
341	341	342	N72°37'04"W	292.79
342	342	343	N8°26'25"W	349.71
343	343	344	N72°34'29"W	2,756.24
344	344	345	N0°25'04"E	785.38
345	345	346	N80°47'33"W	969.27
346	346	347	N57°28'40"W	1,799.72
347	347	348	N88°34'41"W	651.11
348	348	349	S13°39'36"E	844.99
349	349	350	S64°39'22"W	2,652.99
350	350	351	S86°15'14"W	719.21
351	351	352	N88°02'31"W	661.55
352	352	353	S27°36'04"W	271.80
353	353	354	N88°34'06"W	412.41
354	354	355	S56°32'38"W	264.62
355	355	356	S7°47'50"W	391.62
356	356	357	S46°32'36"W	245.11
357	357	358	N88°33'59"W	347.30
358	358	359	S21°29'18"W	506.41
359	359	360	S79°23'08"W	621.49
360	360	361	S7°05'54"W	1,760.15
361	361	362	N87°29'11"W	592.15
362	362	363	S4°40'51"E	255.95
363	363	364	N88°26'41"W	160.33
364	364	365	S0°10'01"W	535.46
365	365	366	S72°50'52"W	964.82
366	366	367	N2°55'11"W	937.32
367	367	368	N67°44'40"W	281.99
368	368	369	N13°25'05"W	906.02
369	369	370	N73°55'11"W	1,186.74
370	370	371	S66°05'44"W	1,969.72
371	371	372	N43°39'42"W	367.69
372	372	373	N26°44'06"E	406.57

Appendix A-16-c

373	373	374	N63°14'17"E	1,601.14
374	374	375	N47°53'56"E	1,292.57
375	375	376	S87°09'25"W	1,054.83
376	376	377	N0°30'34"E	1,604.00
377	377	1	S87°52'39"W	480.84

APPENDIX A-16-F

MAP DEPICTING LOCATION OF WASTEWATER COLLECTION, DISPOSAL AND TREATMENT FACILITIES

CONFIDENTIAL