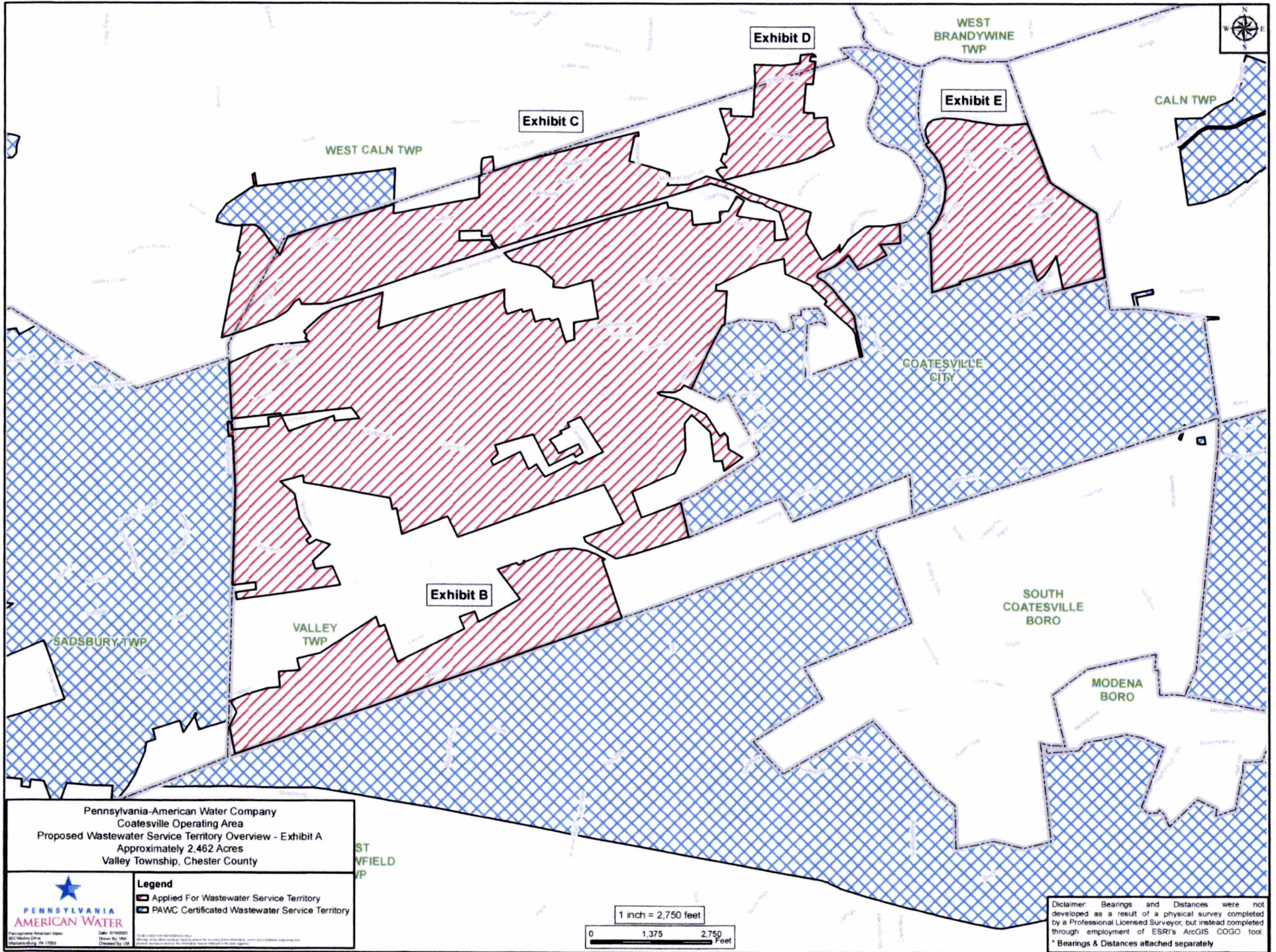


**Application of Pennsylvania-American Water Company for Acquisition of
the Wastewater Assets of Valley Township
66 Pa. C.S. § 1329
Application Filing Checklist – Water/Wastewater
Docket No. A-2020-3020178**

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 Appendix e.**

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

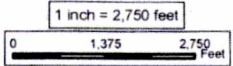


Pennsylvania-American Water Company
 Coatesville Operating Area
 Proposed Wastewater Service Territory Overview - Exhibit A
 Approximately 2,462 Acres
 Valley Township, Chester County

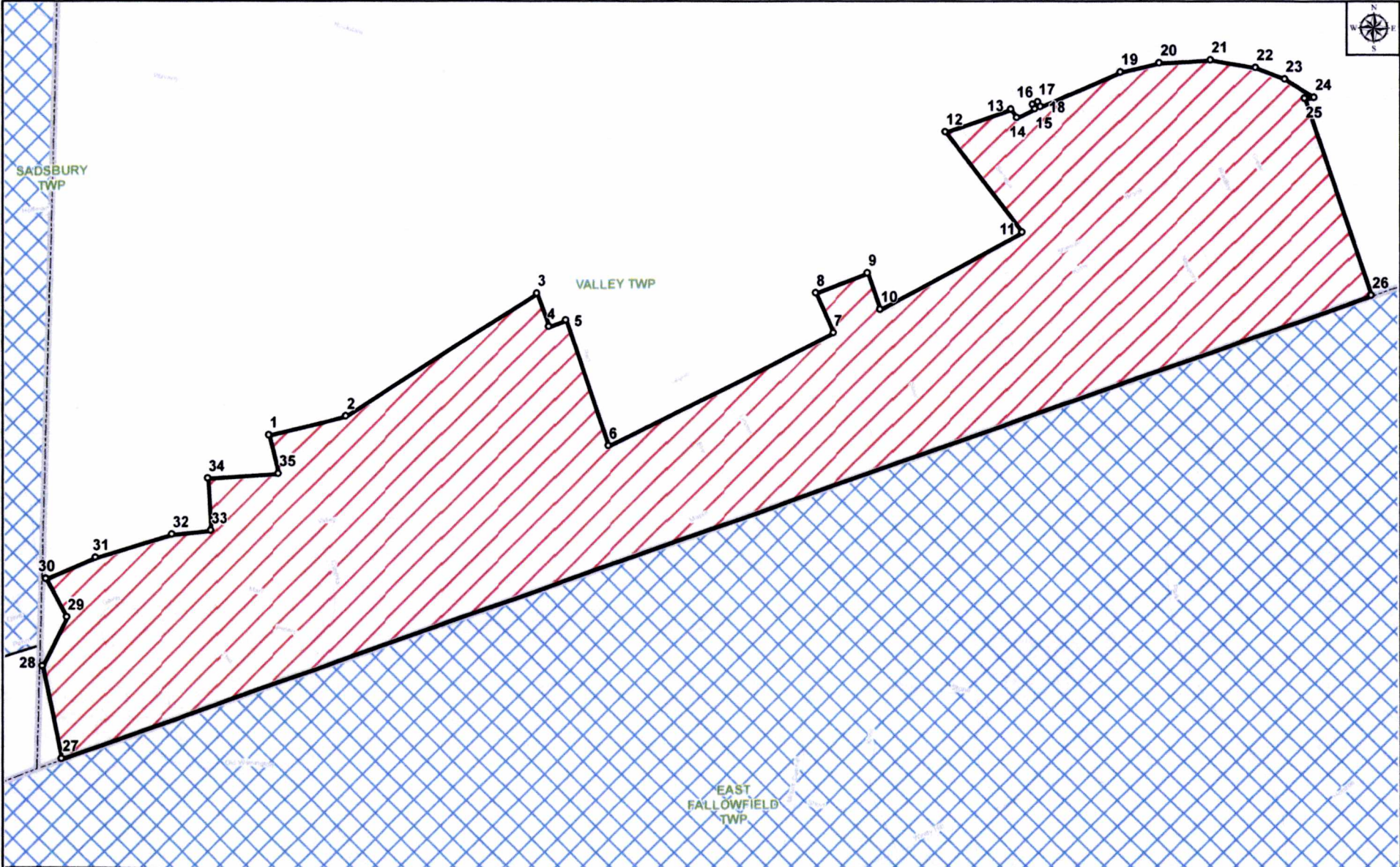
Legend
 Applied For Wastewater Service Territory
 PAWC Certificated Wastewater Service Territory

PENNSYLVANIA AMERICAN WATER

 Pennsylvania American Water
 800.368.6274
 www.pawater.com
 Date: 07/20/2011
 Drawn By: JMS
 Checked By: JMS



Disclaimer: Bearings and Distances were not developed as a result of a physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESRI's ArcGIS COGO tool.
 * Bearings & Distances attached separately



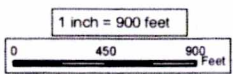
Pennsylvania-American Water Company
 Coatesville Operating Area
 Proposed Wastewater Service Territory - Exhibit B
 Approximately 304 Acres
 Valley Township, Chester County

Legend

- Bearings & Distance Points
- ▨ Applied For Wastewater Service Territory
- ▨ PAWC Certified Wastewater Service Territory

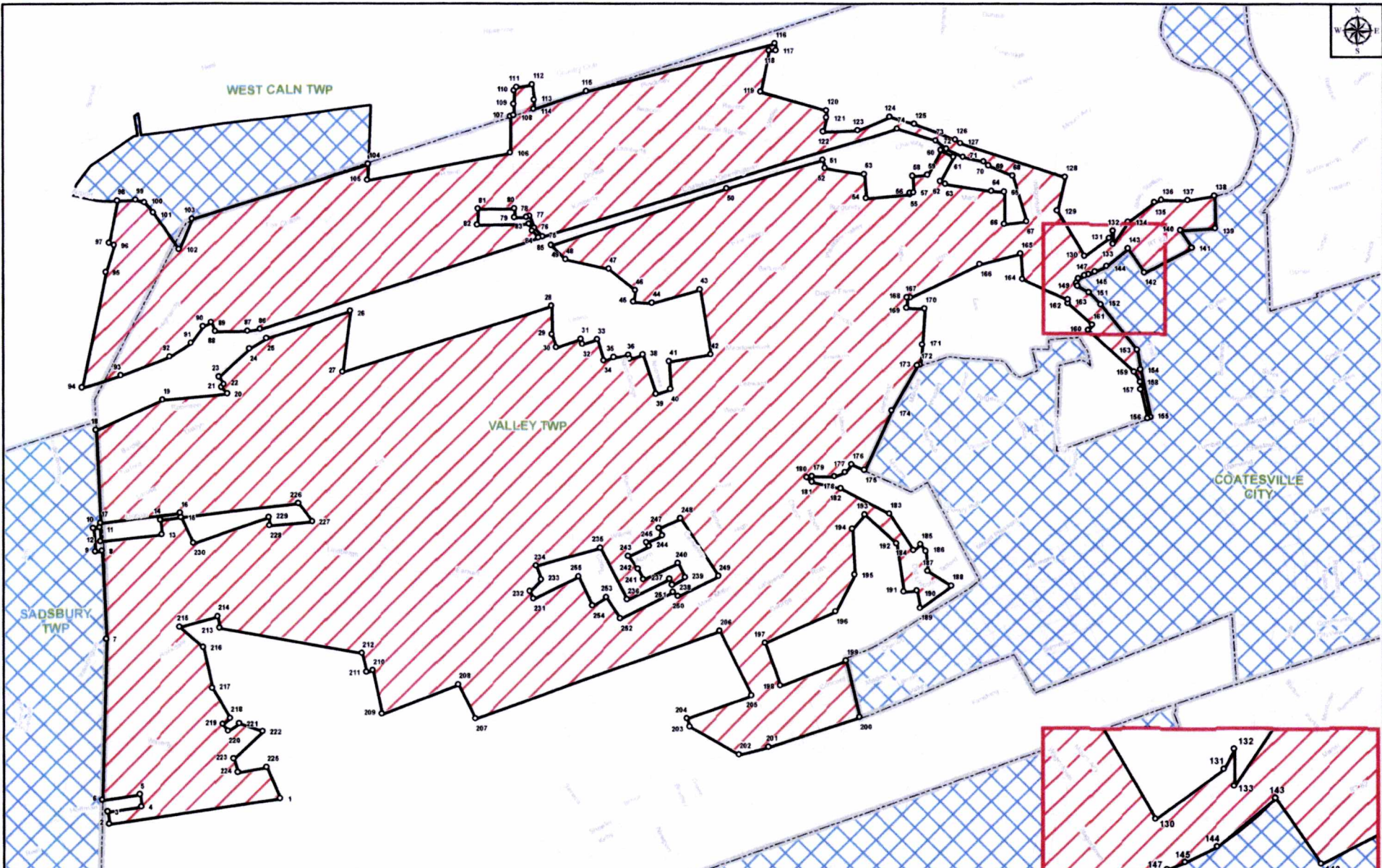
PENNSYLVANIA AMERICAN WATER

Pennsylvania American Water
 800 Walnut Street
 Philadelphia, PA 19106
 Date: 8/19/2023
 Drawn By: MJC
 Checked By: JLM
 This is a CAD file for informational purposes only. It is not a legal document. It is not intended to be used as a legal document. It is not intended to be used as a legal document.



Disclaimer: Bearings and Distances were not developed as a result of a physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESRI's ArcGIS COGO tool.
 * Bearings & Distances attached separately

Starting Point: The northwestern most point of parcel UPI 38-5-3.				
Sequence	From	To	Bearing	Distance
1	1	2	N76°04'04"E	540.579281
2	2	3	N57°12'02"E	1544.707455
3	3	4	S20°02'03"E	240.000894
4	4	5	N69°43'02"E	126.044423
5	5	6	S18°58'17"E	904.933125
6	6	7	N63°19'44"E	1713.983034
7	7	8	N23°45'46"W	295.087562
8	8	9	N68°42'07"E	378.113594
9	9	10	S18°56'54"E	261.689501
10	10	11	N61°24'35"E	1095.584947
11	11	12	N37°35'30"W	862.40738
12	12	13	N70°58'25"E	472.451471
13	13	14	S35°29'32"E	71.721282
14	14	15	N64°49'44"E	138.498803
15	15	16	N26°33'50"W	35.009673
16	16	17	N64°49'41"E	40.012993
17	17	18	S26°33'46"E	35.010739
18	18	19	N66°34'36"E	588.23513
19	19	20	N76°31'43"E	264.443862
20	20	21	N86°32'16"E	340.420316
21	21	22	S80°34'09"E	311.988719
22	22	23	S68°30'08"E	209.85539
23	23	24	S57°56'06"E	231.454373
24	24	25	S85°26'57"W	65.418937
25	25	26	S18°31'30"E	1416.781212
26	26	27	S70°27'40"W	9436.155784
27	27	28	N11°31'43"W	642.809756
28	28	29	N26°10'40"E	370.113793
29	29	30	N28°26'26"W	298.19345
30	30	31	N66°39'59"E	366.613778
31	31	32	N73°05'52"E	541.360688
32	32	33	N84°30'39"E	272.59071
33	33	34	N3°40'07"W	355.001748
34	34	35	N86°12'48"E	488.12351
35	35	1	N13°50'36"W	270.000727

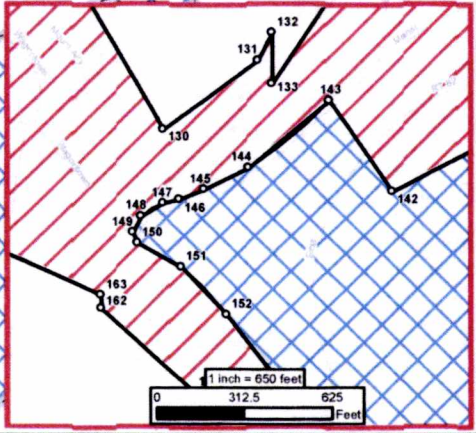
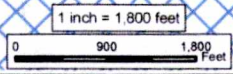


Pennsylvania-American Water Company
 Coatesville Operating Area
 Proposed Wastewater Service Territory - Exhibit C
 Approximately 1,806 Acres
 Valley Township, Chester County



Legend
 ○ Bearings & Distance Points
 ■ Applied For Wastewater Service Territory
 ■ PAWC Certified Wastewater Service Territory

Disclaimer: Bearings and Distances were not developed as a result of a physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESRI's ArcGIS COGO tool.
 * Bearings & Distances attached separately



Starting Point: The southeastern most point of parcel UPI 38-4-5.3D.				
Sequence	From	To	Bearing	Distance
1	15	16	N12°06'22"W	60.206745
2	16	17	S83°03'21"W	1121.246637
3	17	18	N2°49'28"W	1283.258458
4	18	19	N66°09'12"E	1019.36953
5	19	20	N84°37'22"E	911.909402
6	20	21	N46°03'43"W	121.866077
7	21	22	N41°28'37"E	56.142781
8	22	23	N34°37'02"W	128.396382
9	23	24	N48°11'05"E	572.270417
10	24	25	N58°39'15"E	278.08428
11	25	26	N71°46'13"E	1225.061763
12	26	27	S7°28'53"W	850.048172
13	27	28	N72°28'47"E	3030.593052
14	28	29	S0°18'32"E	391.879953
15	29	30	S19°25'38"E	191.289255
16	30	31	N71°11'27"E	360.927363
17	31	32	S17°47'58"E	75.806638
18	32	33	N72°11'58"E	215.093397
19	33	34	S17°07'25"E	304.009765
20	34	35	N72°11'57"E	145.147037
21	35	36	N80°35'23"E	201.194362
22	36	37	S17°31'19"E	58.097129
23	37	38	N71°59'08"E	187.033452
24	38	39	S17°54'24"E	564.194518
25	39	40	N72°52'42"E	213.069149
26	40	41	N2°56'38"W	384.369376
27	41	42	N80°31'57"E	576.765284
28	42	43	N9°18'36"W	910.726996
29	43	44	S74°08'30"W	677.594711
30	44	45	N86°27'52"W	255.760988
31	45	46	N8°53'18"E	157.915316
32	46	47	N50°31'14"W	463.886856
33	47	48	N78°09'44"W	610.339603
34	48	49	N45°42'26"W	286.437779
35	49	50	N71°59'26"E	2538.260629
36	50	51	N73°38'50"E	1390.996631
37	51	52	S15°49'41"E	119.998852
38	52	53	S81°33'18"E	541.070726
39	53	54	S4°20'50"E	331.205835
40	54	55	N85°04'54"E	599.67618
41	55	56	N6°08'23"W	22.20599
42	56	57	N86°02'07"E	51.899114
43	57	58	N4°20'50"W	227.47214
44	58	59	N85°39'09"E	206.893423
45	59	60	N28°34'57"E	386.155182

Starting Point: The southeastern most point of parcel UPI 38-4-5.3D.					
Sequence	From	To	Bearing	Distance	
46	60	61	S63°03'10"E	200.07995	
47	61	62	S28°33'36"W	384.331279	
48	62	63	S63°34'21"E	75.265537	
49	63	64	S81°15'37"E	655.024729	
50	64	65	S85°47'04"E	170.605639	
51	65	66	S0°22'31"E	438.081509	
52	66	67	N83°30'15"E	304.637894	
53	67	68	N16°49'49"W	653.54405	
54	68	69	N66°38'30"W	356.96889	
55	69	70	N52°55'57"W	89.516272	
56	70	71	N77°04'19"W	294.418745	
57	71	72	N63°57'35"W	255.190337	
58	72	73	N53°01'08"W	188.397356	
59	73	74	N72°42'16"W	554.575825	
60	74	75	S72°59'22"W	5112.25363	
61	75	76	N41°36'23"W	169.300354	
62	76	77	N22°01'39"W	174.856619	
63	77	78	S74°00'32"W	49.749731	
64	78	79	S88°40'03"W	165.365606	
65	79	80	N1°32'44"E	121.900424	
66	80	81	S89°19'14"W	506.85001	
67	81	82	S1°32'44"W	222.42882	
68	82	83	N88°41'21"E	710.486737	
69	83	84	S26°01'19"E	109.322324	
70	84	85	S41°39'25"E	130.191385	
71	85	86	S71°50'42"W	4043.044376	
72	86	87	S82°09'28"W	174.284713	
73	87	88	S89°24'47"W	455.634198	
74	88	89	N23°24'16"W	135.106555	
75	89	90	S62°46'18"W	126.909833	
76	90	91	S36°45'02"W	287.384622	
77	91	92	S57°17'54"W	346.613931	
78	92	93	S69°20'58"W	733.303109	
79	93	94	S72°53'10"W	557.301434	
80	94	95	N11°28'29"E	1620.842113	
81	95	96	N17°47'03"E	391.518726	
82	96	97	N68°41'36"W	78.155837	
83	97	98	N11°29'31"E	601.824668	
84	98	99	N87°31'15"E	255.348793	
85	99	100	S71°53'26"E	122.901069	
86	100	101	S42°53'23"E	185.742962	
87	101	102	S34°58'31"E	627.241305	
88	102	103	N23°03'03"E	461.520296	
89	103	104	N72°53'59"E	2558.668082	
90	104	105	S2°09'28"W	223.405258	

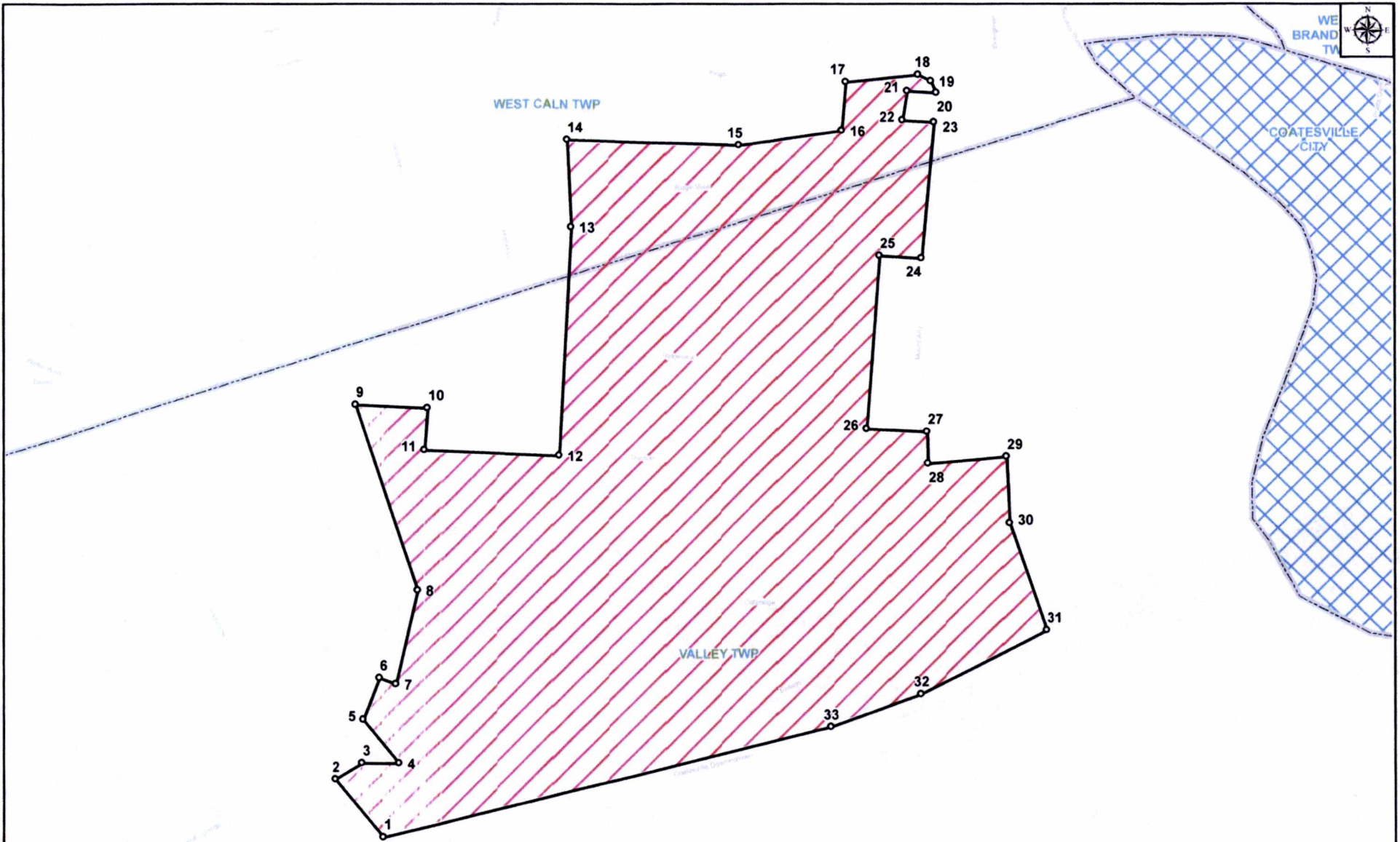
Starting Point: The southeastern most point of parcel UPI 38-4-5.3D.

Sequence	From	To	Bearing	Distance
91	105	106	N78°59'03"E	2000.946471
92	106	107	N0°02'40"W	502.307026
93	107	108	N72°08'27"E	51.569568
94	108	109	N0°48'59"W	152.98272
95	109	110	N2°22'46"E	186.724622
96	110	111	N35°00'15"E	58.646473
97	111	112	N81°01'14"E	219.974069
98	112	113	S6°39'32"E	214.68146
99	113	114	S1°34'08"W	119.101204
100	114	115	N72°08'27"E	778.544134
101	115	116	N75°47'47"E	2676.637976
102	116	117	S8°55'02"E	95.691784
103	117	118	S88°41'32"W	96.995233
104	118	119	S11°48'43"W	578.778675
105	119	120	S74°31'07"E	947.347499
106	120	121	S1°26'13"W	101.347007
107	121	122	S12°37'24"W	199.870136
108	122	123	N87°26'54"E	470.184223
109	123	124	N66°41'09"E	470.524392
110	124	125	S73°44'34"E	356.9378
111	125	126	S69°15'02"E	604.156658
112	126	127	S54°28'50"E	88.848949
113	127	128	S72°06'25"E	1503.120066
114	128	129	S12°54'40"W	477.549457
115	129	130	S29°56'38"E	725.002
116	130	131	N53°39'36"E	420.312155
117	131	132	N27°13'55"E	112.624332
118	132	133	S0°01'15"W	183.705758
119	133	134	N33°08'06"E	369.607434
120	134	135	N52°48'02"E	448.019214
121	135	136	N72°59'37"E	104.715002
122	136	137	S89°08'14"E	361.85499
123	137	138	N79°48'33"E	369.583601
124	138	139	S1°34'53"E	446.700259
125	139	140	S86°36'26"W	478.321212
126	140	141	S31°52'08"E	291.339033
127	141	142	S62°38'18"W	732.091846
128	142	143	N34°16'51"W	395.911878
129	143	144	S49°37'40"W	373.253957
130	144	145	S63°54'18"W	178.878826
131	145	146	S67°55'36"W	94.305899
132	146	147	S77°20'59"W	59.21025
133	147	148	S60°49'40"W	93.022616
134	148	149	S25°36'33"W	67.146962
135	149	150	S23°46'23"E	41.281206


Starting Point: The southeastern most point of parcel UPI 38-4-5.3D.				
Sequence	From	To	Bearing	Distance
136	150	151	S60°56'03"E	180.114223
137	151	152	S43°30'54"E	236.481336
138	152	153	S38°13'00"E	792.458696
139	153	154	S8°53'49"E	274.858482
140	154	155	S12°02'41"E	668.197224
141	155	156	S70°07'21"W	45.120973
142	156	157	N13°34'47"W	404.392841
143	157	158	N3°29'47"W	107.647374
144	158	159	N29°52'44"W	158.014359
145	159	160	N47°26'13"W	850.914213
146	160	161	N39°43'47"E	91.912663
147	161	162	N47°32'48"W	447.517707
148	162	163	N1°12'19"W	47.440499
149	163	164	N65°23'01"W	672.722822
150	164	165	N3°53'04"W	347.578523
151	165	166	S76°04'19"W	580.649996
152	166	167	S64°24'50"W	1065.972459
153	167	168	N86°34'31"W	47.044514
154	168	169	S2°03'13"W	146.172141
155	169	170	S87°57'56"E	247.948499
156	170	171	S3°11'13"W	503.031985
157	171	172	S6°15'09"W	277.977586
158	172	173	S73°47'16"W	44.895911
159	173	174	S29°28'09"W	708.718352
160	174	175	S24°24'41"W	898.464312
161	175	176	N65°32'05"W	189.773522
162	176	177	S40°15'42"W	141.734105
163	177	178	S68°22'29"W	153.445425
164	178	179	N89°27'43"W	309.729652
165	179	180	S75°39'57"W	75.224897
166	180	181	S50°13'16"E	94.334766
167	181	182	S77°53'22"E	408.324262
168	182	183	S61°39'59"E	744.404343
169	183	184	S33°29'52"E	599.943498
170	184	185	N51°46'08"E	127.39087
171	185	186	S37°07'32"E	116.296488
172	186	187	S5°22'05"E	279.002044
173	187	188	S58°51'24"E	385.508249
174	188	189	S54°48'31"W	532.371829
175	189	190	N10°35'56"W	242.816747
176	190	191	S86°14'47"W	180.968045
177	191	192	N8°17'59"W	669.743255
178	192	193	N47°11'00"W	591.539543
179	193	194	S40°25'02"W	258.248381
180	194	195	S2°35'55"E	636.344953

Starting Point: The southeastern most point of parcel UPI 38-4-5.3D.					
Sequence	From	To	Bearing	Distance	
181	195	196	S26°53'47"W	568.744792	
182	196	197	S65°56'01"W	1062.243003	
183	197	198	S19°39'32"E	628.482092	
184	198	199	N68°43'51"E	965.184813	
185	199	200	S13°14'34"E	803.901642	
186	200	201	S71°54'30"W	1317.655977	
187	201	202	S76°09'23"W	420.594317	
188	202	203	N61°11'28"W	788.597648	
189	203	204	N19°29'21"W	117.193606	
190	204	205	N70°30'41"E	961.277152	
191	205	206	N26°54'09"W	996.647873	
192	206	250	N50°12'53"W	744.551036	
193	250	249	N63°37'44"E	625.175422	
194	249	248	N33°26'31"W	954.20822	
195	248	247	S65°30'33"W	322.707219	
196	247	246	S25°15'29"E	114.206478	
197	246	245	S66°25'43"W	238.025532	
198	245	244	S34°02'56"E	63.785458	
199	244	243	S64°14'50"W	315.109304	
200	243	242	S37°45'28"E	219.326282	
201	242	241	S26°18'01"E	160.264954	
202	241	240	N64°45'55"E	518.772517	
203	240	239	S25°49'59"E	218.567092	
204	239	238	S59°24'53"W	200.979973	
205	238	237	N24°12'38"W	87.214991	
206	237	236	S63°46'26"W	640.507834	
207	236	235	N27°08'40"W	800.791662	
208	235	234	S74°34'38"W	926.701362	
209	234	233	S20°12'35"E	201.919445	
210	233	232	S44°43'35"W	225.848945	
211	232	231	S25°50'54"E	117.210882	
212	231	255	N64°09'02"E	703.772784	
213	255	254	S25°22'42"E	446.414932	
214	254	253	N57°27'47"E	220.378484	
215	253	252	S32°57'06"E	351.19488	
216	252	251	N63°01'56"E	803.611252	
217	251	250	S51°08'45"E	89.269123	
218	250	206	S50°12'53"E	744.551036	
219	206	207	S70°09'26"W	3582.378568	
220	207	208	N25°57'39"W	524.999413	
221	208	209	S68°37'59"W	1121.650603	
222	209	210	N11°51'38"W	614.086101	
223	210	211	S75°06'10"W	93.332395	
224	211	212	N12°34'35"W	267.542442	
225	212	213	N80°07'12"W	2012.091968	

Starting Point: The southeastern most point of parcel UPI 38-4-5.3D.				
Sequence	From	To	Bearing	Distance
226	213	214	N9°21'48"W	161.584036
227	214	215	S75°04'29"W	554.444266
228	215	216	S50°18'58"E	436.018492
229	216	217	S12°22'55"E	580.029538
230	217	218	S31°48'01"E	489.748191
231	218	219	S52°41'19"W	135.851362
232	219	220	S38°59'12"E	117.609768
233	220	221	N56°25'29"E	186.851381
234	221	222	S71°34'25"E	339.568875
235	222	223	S46°43'53"W	551.525885
236	223	224	S17°24'46"E	200.058302
237	224	225	N79°31'52"E	401.650053
238	225	1	S23°13'09"E	468.998822
239	1	2	S81°39'28"W	2409.098106
240	2	3	N7°57'20"W	170.000476
241	3	4	N82°02'40"E	480.632656
242	4	5	N7°01'24"W	169.684353
243	5	6	S82°03'14"W	536.433145
244	6	7	N1°31'43"E	2219.441438
245	7	8	N2°49'28"W	1216.982772
246	8	9	S83°24'29"W	95.71265
247	9	10	N4°26'17"W	327.219998
248	10	11	N83°25'26"E	89.048
249	11	12	S3°12'18"E	191.727752
250	12	13	N83°46'49"E	863.463859
251	13	14	N4°51'33"W	199.999845
252	14	15	N82°34'13"E	288.733197
253	15	230	S26°29'13"E	395.661936
254	230	229	N71°19'42"E	1105.007906
255	229	228	S4°50'33"E	115.591594
256	228	227	N84°07'59"E	588.316612
257	227	226	N37°37'29"W	313.516433
258	226	15	S83°14'17"W	1638.303805



Pennsylvania-American Water Company
 Coatesville Operating Area
 Proposed Wastewater Service Territory - Exhibit D
 Approximately 100 Acres
 Valley Township, Chester County

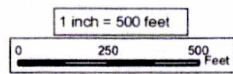


PENNSYLVANIA
AMERICAN WATER

Pennsylvania American Water
600 Valley Drive
Mechanicsburg, PA 17055

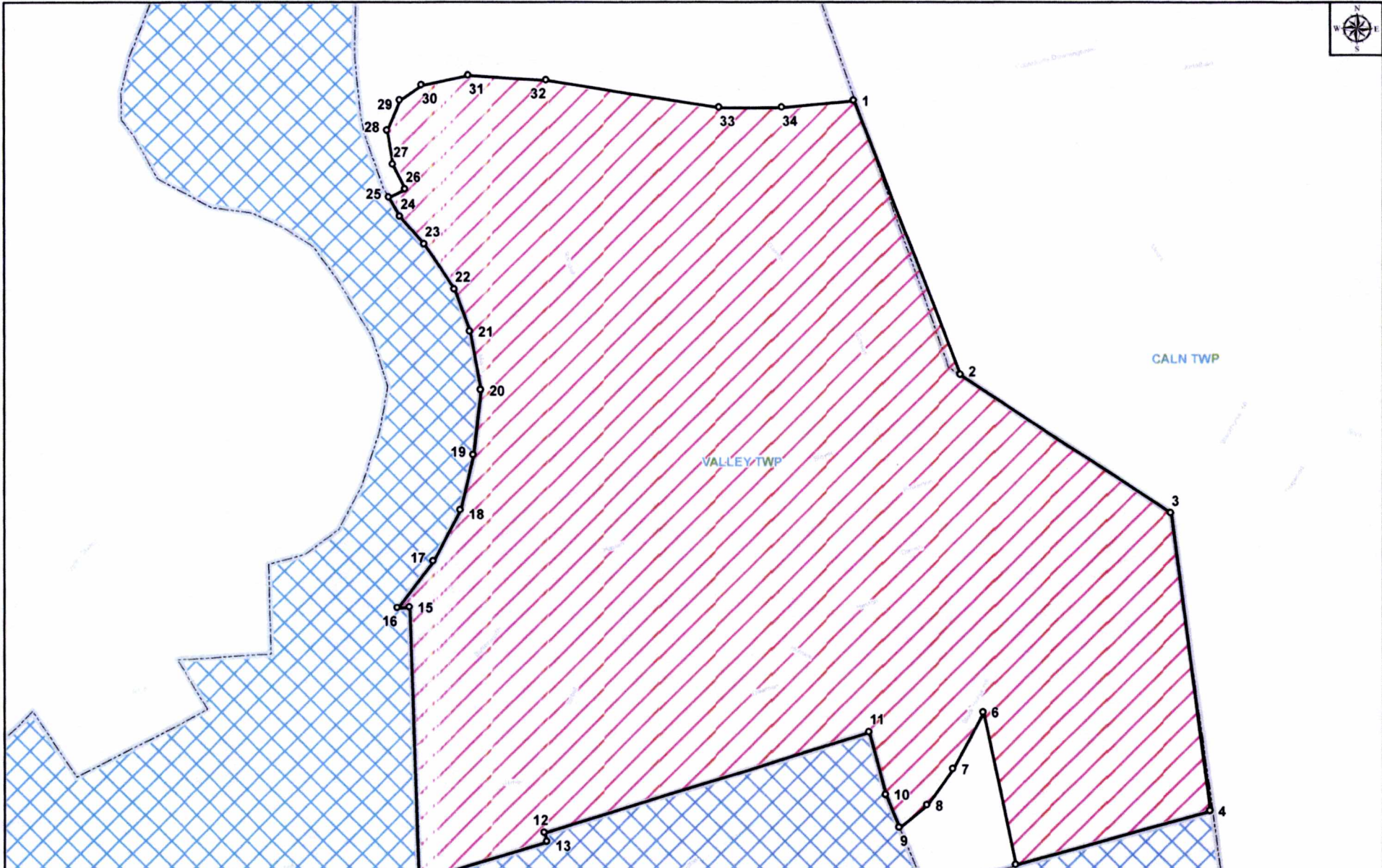
Legend

- Bearings & Distance Points
- Applied For Wastewater Service Territory
- PAWC Certificated Wastewater Service Territory



Disclaimer: Bearings and Distances were not developed as a result of a physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESRI's ArcGIS COGO tool.
 • Bearings & Distances attached separately

Starting Point: The southern most point of parcel UPI 38-2-23.				
Sequence	From	To	Bearing	Distance
1	1	2	N39°56'22"W	285.679569
2	2	3	N58°54'41"E	120.116531
3	3	4	S89°58'45"E	139.881873
4	4	5	N39°19'09"W	213.021322
5	5	6	N21°13'06"E	169.40321
6	6	7	S69°10'04"E	66.125172
7	7	8	N12°43'08"E	366.556838
8	8	9	N18°15'31"W	741.861032
9	9	10	S87°33'22"E	270.047708
10	10	11	S4°01'21"W	159.999505
11	11	12	S87°33'46"E	514.870381
12	12	13	N3°03'47"E	869.849023
13	13	14	N2°33'53"W	332.565979
14	14	15	S88°11'23"E	653.103171
15	15	16	N81°53'29"E	392.980845
16	16	17	N4°48'18"E	185.771252
17	17	18	N84°21'19"E	278.254324
18	18	19	S62°37'09"E	54.331152
19	19	20	S24°56'07"E	48.998425
20	20	21	N86°08'52"W	110.866413
21	21	22	S9°17'17"W	112.505967
22	22	23	S86°08'53"E	120.054326
23	23	24	S5°25'34"W	518.962466
24	24	25	N86°33'08"W	161.668669
25	25	26	S4°20'16"W	658.287665
26	26	27	S86°58'46"E	232.653546
27	27	28	S1°23'27"E	121.96626
28	28	29	N84°39'13"E	294.972352
29	29	30	S2°31'32"E	253.348344
30	30	31	S19°03'42"E	430.028724
31	31	32	S62°53'04"W	532.042046
32	32	33	S69°57'08"W	366.328964
33	33	1	S76°08'33"W	1748.070146

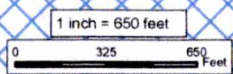


Pennsylvania-American Water Company
 Coatesville Operating Area
 Proposed Wastewater Service Territory - Exhibit E
 Approximately 253 Acres
 Valley Township, Chester County

Legend

- Bearings & Distance Points
- Applied For Wastewater Service Territory
- PAWC Certificated Wastewater Service Territory

Pennsylvania American Water
 2000 Pennsylvania Avenue, Suite 100
 Philadelphia, PA 19106
 Date: 8/15/2020
 Drawn by: JKR
 Checked by: LMF
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Disclaimer: Bearings and Distances were not developed as a result of a physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESR's ArcGIS COGO tool.
 * Bearings & Distances attached separately

Starting Point: The northeastern most point of parcel UPI 38-3-487.				
Sequence	From	To	Bearing	Distance
1	1	2	S21°01'58"E	1463.852317
2	2	3	S56°38'32"E	1245.839031
3	3	4	S7°20'46"E	1494.236088
4	4	5	S74°17'02"W	992.657788
5	5	6	N12°04'51"W	775.433277
6	6	7	S27°58'51"W	319.473763
7	7	8	S35°38'00"W	222.71207
8	8	9	S50°44'18"W	176.158628
9	9	10	N22°17'26"W	177.381735
10	10	11	N14°38'02"W	322.305087
11	11	12	S72°46'41"W	1695.108017
12	12	13	S16°11'36"E	45.795108
13	13	14	S73°00'02"W	666.818207
14	14	15	N1°51'34"W	1361.32795
15	15	16	S86°45'30"W	61.711744
16	16	17	N37°56'33"E	294.779472
17	17	18	N28°20'39"E	289.021142
18	18	19	N13°27'51"E	279.888723
19	19	20	N6°30'46"E	326.279944
20	20	21	N10°38'46"W	297.061578
21	21	22	N20°03'14"W	223.431363
22	22	23	N34°18'26"W	270.865133
23	23	24	N41°12'46"W	185.77911
24	24	25	N30°53'11"W	110.639389
25	25	26	N64°13'05"E	91.546291
26	26	27	N26°46'05"W	137.787821
27	27	28	N9°31'17"W	171.771387
28	28	29	N23°07'05"E	165.953506
29	29	30	N55°40'56"E	131.939475
30	30	31	N78°39'19"E	239.649451
31	31	32	S86°33'04"E	384.87005
32	32	33	S80°59'46"E	872.109622
33	33	34	S89°56'11"E	311.145191
34	34	1	N84°13'58"E	362.166152