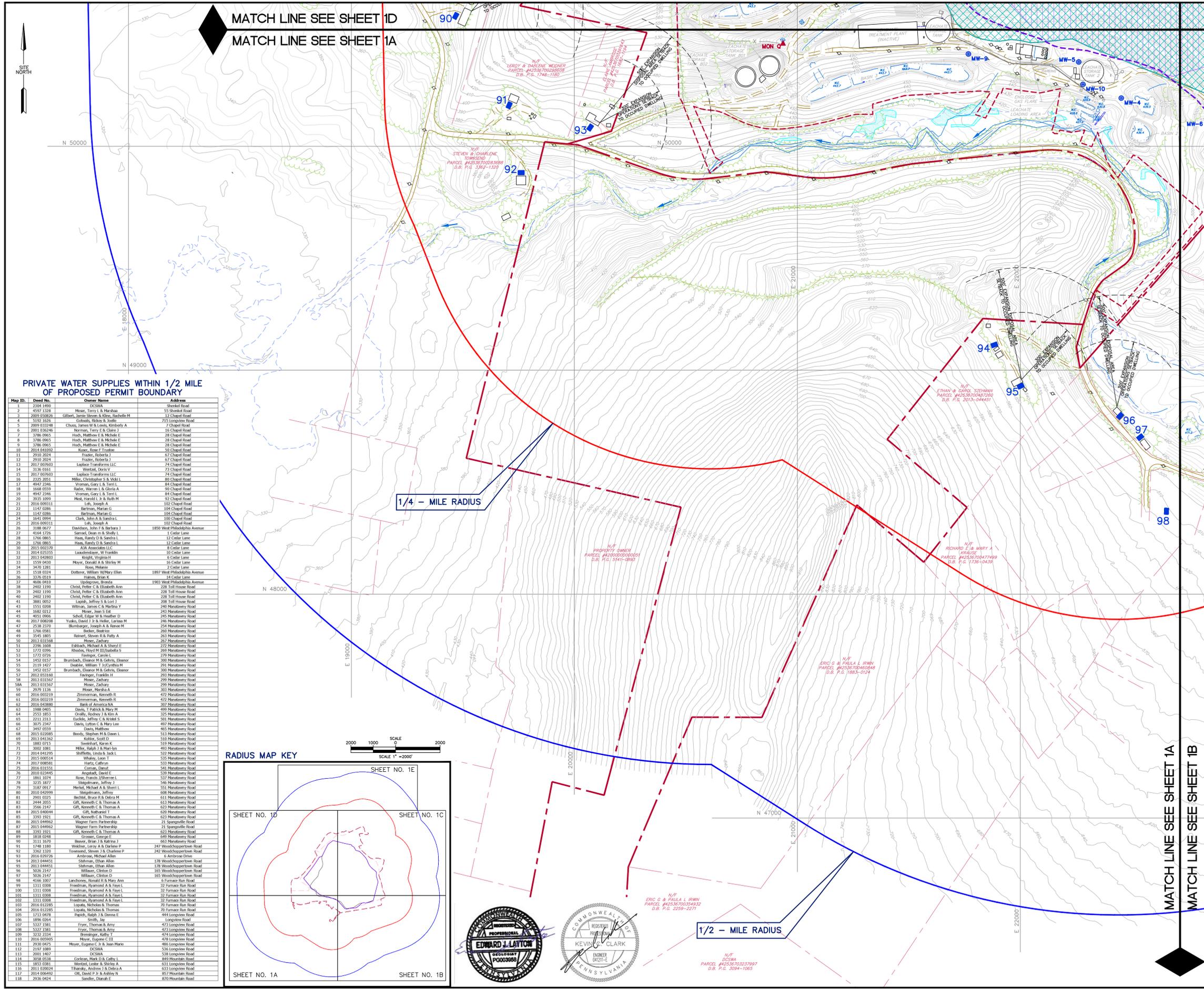


MATCH LINE SEE SHEET 1D
MATCH LINE SEE SHEET 1A



- ### GENERAL BASEMAP NOTES
- EXISTING TOPOGRAPHY AND FEATURES SHOWN HEREON WERE OBTAINED FROM AERIAL PHOTOGRAMMETRY PREPARED BY CDI INFRASTRUCTURE, LLC, DBA L.R. KIMBALL & ASSOC., EBENSBURG, PA, FROM AN AERIAL PHOTOGRAPH DATED 01/14/17.
 - DISPOSAL AREA INFORMATION WAS OBTAINED FROM "SHENKEL ROAD EXPANSION FINAL GRADING PLAN (GAS TREATMENT CELL) DELAWARE COUNTY SOLID WASTE AUTHORITY, COLEBROOKDALE MUNICIPAL LANDFILL, SHEET LF 11, DWG. 115-LF-11R4_08, FILE NO. 115, DATED APRIL 1996, LAST REVISED APRIL 2008.
 - WHERE PERMIT BOUNDARY IS SHOWN ADJACENT TO PROPERTY BOUNDARY, BOUNDARIES ARE EQUAL. PERMIT BOUNDARY IS SHOWN AS OFFSET TO PROPERTY BOUNDARY FOR CLARITY.
 - 100-YEAR STORM FLOOD DATA, BASED ON INFORMATION DEVELOPED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD DATA, OBTAINED FROM PASDA (PENNSYLVANIA SPATIAL DATA ACCESS).
 - WETLANDS AND STREAMS / CHANNELS AS INDICATED IN VICINITY OF PERMIT BOUNDARY DELINEATED BY WHM CONSULTING INC. IN MAY 2016. SEE WETLAND DELINEATION REPORT INCLUDED IN FORM D OF EXPANSION APPLICATION FOR MORE SPECIFIC INFORMATION.

- ### GENERAL BASEMAP LEGEND
- PROPERTY BOUNDARY
 - ADJOINER PROPERTY LINE
 - EXISTING PERMIT BOUNDARY
 - PROPOSED PERMIT BOUNDARY
 - EXISTING PERMITTED DISPOSAL LIMIT
 - EXISTING PERMITTED PAD DIVISION LINE
 - PROPOSED DISPOSAL LIMIT
 - EXISTING GRADE CONTOURS (C.I.=2'/10')
 - WATER COURSE (IN BASEMAPPING)
 - WATER COURSE FLOW DIRECTION
 - 100-YEAR FLOODPLAIN (SEE GENERAL BASEMAP NOTE 4)
 - WETLAND BOUNDARY BY WHM (SEE GENERAL BASEMAP NOTE 5)
 - PERENNIAL STREAM BY WHM (SEE GENERAL BASEMAP NOTE 5)
 - EXISTING SURVEY CONTROL MONUMENT (SEE COORDINATES TABLE, SHEET 1A OF 13)

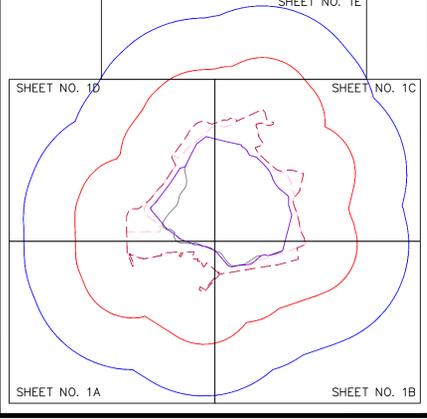
- ### EXISTING CONDITIONS NOTES
- REGULATORY SETBACKS SHOWN ARE TO APPLICABLE EXCLUSIONARY CRITERIA ITEMS ONLY AND ARE SHOWN AT CLOSEST FEATURE IN A NEARBY CLUSTER IN ORDER TO SHOW REQUIRED SEPARATION DISTANCES ARE MET EXCLUSIONARY CRITERIA NOT SHOWN ARE EITHER NOT PRESENT OR NOT APPLICABLE. SEE FORM D FOR MORE INFORMATION.
 - PUBLIC AND PRIVATE WATER SUPPLY WELL INFORMATION DETERMINED FROM THE PENNSYLVANIA GROUNDWATER INFORMATION SYSTEM (PENNSYLVANIA GEOLOGIC SURVEY, 2006), PADEP BUREAU OF WATER SUPPLY, BERKS COUNTY GEOGRAPHIC INFORMATION SYSTEMS AND FIELD RECONNAISSANCE SURVEYS PERFORMED BY BAI IN 2017. THERE ARE NO WATER SOURCES WITHIN 300 FEET DOWNGRADIENT OF THE DISPOSAL AREA. ELEVEN (11) OF THE SUPPLIES IDENTIFIED ARE POTENTIALLY WITHIN 1/4 MILE OF THE DISPOSAL BOUNDARY INCLUDING WELL ID NOS. 66, 71, 96, 97, 111, 112, 113, 115, 116, 117, AND 118. TWO OF THE 11 WELLS (ID NOS. 112 AND 113 ARE OWNED BY DCSWA). NINE (9) OF THE 11 WELLS (ALL EXCEPT WELL ID NOS. 71 AND 97) ARE WITHIN 1/4 MILE OF THE EXISTING DISPOSAL AREA AS WELL.
 - THERE ARE NO PUBLIC WATER SUPPLIES DOWNSTREAM OR DOWNGRADIENT WITHIN 3 MILES OF THE EXISTING OR PROPOSED FACILITY. HENCE A 3 MILE RADIUS MAP IS NOT INCLUDED. THE CLOSEST PUBLIC WATER SUPPLY IS APPROXIMATELY 2.5 MILES FROM THE FACILITY AND IS UPGRADIENT.
 - HATCH AREAS DEPICTING TYPE OF EXISTING LINER SYSTEM (PRE-1988, POST-1988/PRE-2000, AND POST-2000) ARE SHOWN FOR THE TOPMOST LINER SYSTEM IN AREAS WHERE NEWER LINERS OVERLAP PRIOR DISPOSAL CELLS. HATCHES DEPICTED FOR EACH PAD FOLLOW PERMITTED PAD BOUNDARIES (EXCEPT FOR PADS 107 AND 108 AS DESCRIBED IN NOTE 5 BELOW) AND MAY NOT REFLECT ACTUAL EDGE OF LINER LOCATIONS DUE TO LIMITED AS-BUILT SURVEY IN OLDER PADS. LINER SYSTEM DESIGNATIONS AND DESCRIPTIONS TAKEN FROM SHENKEL ROAD EXPANSION PERMIT DRAWINGS.
 - PADS 107 AND 108 ARE PARTIALLY CONSTRUCTED, HENCE THE SHADED "EXISTING" DISPOSAL AREA LINER SYSTEM SHOWN IN THESE EXISTING CONDITIONS MAPS REFLECTS THE APPROXIMATE LINER AREA OF THOSE CELLS CURRENTLY. SEE SHEET 6A FOR MORE INFORMATION ON PRE-DEVELOPMENT CONDITIONS AND CONSTRUCTION OF THE REMAINDER OF PERMITTED PADS 107 AND 108.

- ### EXISTING CONDITIONS LEGEND
- EXISTING DISPOSAL AREA WITH PRE-1988 DOUBLE GEOMEMBRANE LINER SYSTEM
 - EXISTING DISPOSAL AREA WITH POST-1988/PRE-2000 DOUBLE GEOMEMBRANE LINER SYSTEM (NOT COMPOSITE)
 - EXISTING DISPOSAL AREA WITH POST-2000 DOUBLE COMPOSITE LINER SYSTEM
 - EXISTING LDPE GEOMEMBRANE CAP
 - EXISTING PVC GEOMEMBRANE CAP
 - EXCLUSIONARY CRITERIA REGULATORY SETBACK (SEE EXISTING CONDITIONS NOTE 1)
 - PRIVATE WATER SUPPLY LOCATION AND ID (SEE EXISTING CONDITIONS NOTE 2 AND PRIVATE WATER SUPPLY LIST, THIS SHEET)
 - GROUNDWATER MONITORING WELL

PRIVATE WATER SUPPLIES WITHIN 1/2 MILE OF PROPOSED PERMIT BOUNDARY

Map ID	Deed No.	Owner Name	Address
1	2104 1490	DCSWA	Shenkel Road
2	4912 1138	Moor, Terry L & Marsha	515 Shenkel Road
3	2009 050826	Gilbert, Jamie Steven & Kline, Rachelle M	12 Chapel Road
4	5192 1626	Cobelli, Robert & Jonelle	715 Longview Road
5	2003 032248	Chies, James W & Lewis, Kimberly A	7 Chapel Road
6	2003 036246	Norman, Terry E & Clara J	16 Chapel Road
7	1286 0963	Hoch, Matthew E & Michele E	28 Chapel Road
8	3786 0965	Hoch, Matthew E & Michele E	28 Chapel Road
9	2014 041092	Hoch, Jason F & Trudie E	56 Chapel Road
10	2018 2024	Fraser, Robert J	67 Chapel Road
11	2018 2024	Fraser, Robert J	67 Chapel Road
12	2012 0204	Fraser, Robert J	67 Chapel Road
13	2017 007693	Ludlow Transforms LLC	74 Chapel Road
14	2036 0661	Wentz, David V	72 Chapel Road
15	2017 007693	Ludlow Transforms LLC	74 Chapel Road
16	2322 2051	Miller, Christopher S & Wendi L	80 Chapel Road
17	4947 2346	Vinson, Gary L & Terri L	84 Chapel Road
18	1668 0559	Rader, Warren L & Gloria A	90 Chapel Road
19	4947 2346	Vinson, Gary L & Terri L	84 Chapel Road
20	3935 1899	Mast, Harold L Jr & Ruth M	92 Chapel Road
21	2016 080111	Luh, Joseph A	104 Chapel Road
22	1147 0286	Bertram, Megan C	104 Chapel Road
23	1147 0286	Bertram, Megan C	104 Chapel Road
24	0441 0994	Clark, John S & Sandra L	100 Chapel Road
25	2016 080111	Luh, Joseph A	102 Chapel Road
26	2188 0677	Danielsen, John F & Barbara J	1850 West Philadelphia Avenue
27	4164 1226	Sarnes, Dean M & Shelly L	1 Cedar Lane
28	1766 0863	Hans, Randy D & Sandra L	12 Cedar Lane
29	1766 0863	Hans, Randy D & Sandra L	12 Cedar Lane
30	2015 002370	AAA Associates LLC	8 Cedar Lane
31	2014 020320	Landwehr, C & Franklin	10 Cedar Lane
32	2013 042893	Knight, Virginia H	6 Cedar Lane
33	2013 042893	Moyer, David A & Shirley M	8 Cedar Lane
34	2470 1281	Ross, Melanie	2 Cedar Lane
35	1518 0124	Dotterer, William Wilbur Elton	1897 West Philadelphia Avenue
36	3326 0212	Haines, Brian K	14 Cedar Lane
37	4608 0410	Upogrove, Brenda	1903 West Philadelphia Avenue
38	2402 1190	Christ, Peter C & Elizabeth Ann	238 Tall House Road
39	2402 1190	Christ, Peter C & Elizabeth Ann	238 Tall House Road
40	2402 1190	Christ, Peter C & Elizabeth Ann	238 Tall House Road
41	3081 0922	Lynch, Jeffrey S & Lori J	238 Tall House Road
42	1351 0208	Wilman, James C & Martha Y	240 Manantony Road
43	1482 0312	Moyer, Jean L et	241 Manantony Road
44	4051 0906	Schell, Edgar W Jr Heather D	245 Manantony Road
45	2017 006208	Yusko, David J & Miller, Laraine M	244 Manantony Road
46	2538 2370	Burnsburger, Joseph A & Janice M	254 Manantony Road
47	1766 0981	Recker, Barbara	260 Manantony Road
48	2545 1805	Recker, Steven R & Ruby A	261 Manantony Road
49	2013 031568	Moyer, Zachary	261 Manantony Road
50	2013 031568	Moyer, Zachary	261 Manantony Road
51	2396 1608	Lehman, Michael A & Sheryl E	272 Manantony Road
52	1772 0396	Rhodes, Floyd M III/Isabella S	269 Manantony Road
53	1772 0326	Keisinger, Carol L	279 Manantony Road
54	1452 0332	Brumbaugh, Eleanor M & Corbin, Eleanor	290 Manantony Road
55	2119 1427	Decker, William T Jr Cynthia M	291 Manantony Road
56	1452 0332	Brumbaugh, Eleanor M & Corbin, Eleanor	290 Manantony Road
57	2012 052160	Knaggs, Franklin II	293 Manantony Road
58	2013 031567	Moyer, Zachary	299 Manantony Road
59	2013 031567	Moyer, Zachary	299 Manantony Road
60	2016 002128	Zimmerman, Kenneth R	472 Manantony Road
61	2016 002128	Zimmerman, Kenneth R	472 Manantony Road
62	2016 042888	Bark of America Inc	487 Manantony Road
63	1988 0405	Davis, T Patrick & Mary M	499 Manantony Road
64	2533 2653	Orrally, Rodney J & Kim A	503 Manantony Road
65	2211 2313	Eustach, Jeffrey C & Robin S	501 Manantony Road
66	3075 2347	Davis, Lytton C & Mary Lee	497 Manantony Road
67	3087 0559	Davis, Matthew	495 Manantony Road
68	2015 022085	Boody, Stephen M & Dawn L	513 Manantony Road
69	2013 041363	Keller, Scott D	518 Manantony Road
70	1883 0715	Sweeney, Kevin K	519 Manantony Road
71	3002 1981	Miller, Ralph J & Marlyn	493 Manantony Road
72	2014 041295	Shattuck, Linda A Jack L	532 Manantony Road
73	2015 006514	Whaley, Leon T	535 Manantony Road
74	2013 080818	Hartz, Cathie	532 Manantony Road
75	2016 031551	Conroy, David	541 Manantony Road
76	2010 022445	Angstadt, David E	539 Manantony Road
77	1861 0174	Ross, Francis J/Robert L	517 Manantony Road
78	3275 1877	Shalpinans, Jeffrey J	546 Manantony Road
79	3187 0812	Mohr, Michael A & Sheryl L	573 Manantony Road
80	2013 042999	Shalpinans, Jeffrey	688 Manantony Road
81	2401 0375	Ortiz, Bruce R & Debra M	611 Manantony Road
82	2444 2955	Giff, Kenneth C & Thomas A	633 Manantony Road
83	3566 2147	Giff, Kenneth C & Thomas A	633 Manantony Road
84	2013 040444	Giff, Kenneth C & Thomas A	633 Manantony Road
85	3393 1921	Giff, Kenneth C & Thomas A	633 Manantony Road
86	2013 040444	Giff, Kenneth C & Thomas A	633 Manantony Road
87	2015 044962	Vagner Farm Partnership	21 Spangville Road
88	3393 1921	Giff, Kenneth C & Thomas A	633 Manantony Road
89	1818 0246	Greiner, George	690 Manantony Road
90	3111 1670	Reuser, Brian J & Katrina J	663 Manantony Road
91	1248 1180	Wardlaw, Leroy A & Darlene P	247 WoodHopperTown Road
92	3362 1320	Townsend, Steven J & Chelene P	242 WoodHopperTown Road
93	2016 029728	Andrews, Michael Allen	2 Andrus Drive
94	2013 044451	Shelton, Ethan Allen	178 WoodHopperTown Road
95	2013 044451	Shelton, Ethan Allen	178 WoodHopperTown Road
96	5026 2147	Wilbur, Clinton D	165 WoodHopperTown Road
97	5026 2147	Wilbur, Clinton D	165 WoodHopperTown Road
98	4166 1087	Larchmont, Donald B & Mary Ann	6 Furnace Run Road
99	1311 0308	Freedman, Raymond A & Faye L	32 Furnace Run Road
100	1311 0308	Freedman, Raymond A & Faye L	32 Furnace Run Road
101	1311 0308	Freedman, Raymond A & Faye L	32 Furnace Run Road
102	1311 0308	Freedman, Raymond A & Faye L	32 Furnace Run Road
103	2016 012285	Loudy, Nicholas & Thomas	70 Furnace Run Road
104	2016 012285	Loudy, Nicholas & Thomas	70 Furnace Run Road
105	1712 0478	Patrick, Ralph J & Dennis E	444 Longview Road
106	1896 0264	Smith, Jay	Longview Road
107	5327 2381	Fryer, Thomas & Amy	473 Longview Road
108	5327 2381	Fryer, Thomas & Amy	473 Longview Road
109	3232 2334	Brennigan, Kirby T	474 Longview Road
110	2016 007693	Moyer, Eugene C III	476 Longview Road
111	2930 0475	Moyer, Eugene C Jr & Jean Marie	486 Longview Road
112	2107 1889	DCSWA	536 Longview Road
113	2001 1407	DCSWA	538 Longview Road
114	3058 0238	Conkran, Mark D & Cathy L	489 Mountain Road
115	1853 0381	Wentz, Leola & Gloria A	633 Mountain Road
116	2011 020024	Thibault, Andrew & Debra A	633 Mountain Road
117	2013 080420	Orl, David J & Kelly N	657 Mountain Road
118	2936 0424	Sandler, Diane E	870 Mountain Road

RADIUS MAP KEY



SURVEY CONTROL MONUMENTS

I.D.	NORTHING	EASTING	SURFACE ELEVATION (RLSL)
MON P	52425.50	21863.65	844.253
MON Q	50458.05	20935.50	516.714
MON R	50479.02	24683.75	707.980
MON S	53069.69	23625.21	736.318
MON T	52323.25	24292.19	779.086

DELAWARE COUNTY SOLID WASTE AUTHORITY
ROLLING HILLS LANDFILL
SOUTHERN AREA LANDFILL EXPANSION

EARL TOWNSHIP BERKS COUNTY PENNSYLVANIA

EXISTING CONDITIONS
1/4 - 1/2 MILE RADIUS MAP (MATCH SHEET 1)

State College Office (814) 238-2060 Delaware Valley Office (610) 495-5585

DATE: **09/25/17**

DRAWN BY: **KEF**

CHECKED: **KCC**

BAI DRAWING NO: **DCSWA-107D008A**

SHEET NO. **1A OF 11**