

1/2 - MILE RADIUS

1/4 - MILE RADIUS

MATCH LINE SEE SHEET 1E
MATCH LINE SEE SHEET 1D

MATCH LINE SEE SHEET 1E
MATCH LINE SEE SHEET 1C

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

Map ID	Deed No	Owner Name	Address	Map ID	Deed No	Owner Name	Address
1	2304 1490	DCSWA	Shenkel Road	67	2015 044962	Wagner Farm Partnership	21 Spangville Road
2	2597 1328	Moser, Terry L & Marianne	55 Shenkel Road	88	2303 1921	GRL, Kenneth C & Thomas A	623 Mandabury Road
3	2009 006865	Gilbert, James Steven & Olive, Barbara M	13 Chapel Road	89	1618 0146	Grosser, George E	693 Mandabury Road
4	1192 1626	Gottwals, Rodney & Soelle	715 Longview Road	90	3111 1670	Boyan, Brian J & Katrina J	603 Mandabury Road
5	2009 032488	Chase, James W II & wife, Kimberly A	7 Chapel Road	91	1768 1180	Winkler, Leroy A & Darlene P	247 Wooddropspout Road
6	2001 002426	Roanap, Terry E & Cherie J	16 Chapel Road	92	3362 1320	Townsend, Steven J & Chelene P	242 Wooddropspout Road
7	2786 0905	Hoeh, Matthew E & Michele E	28 Chapel Road	93	2015 007276	Antonia, Michael Allen	6 Ardmore Circle
8	2786 0905	Hoeh, Matthew E & Michele E	28 Chapel Road	94	2013 044451	Steffman, Urban Allen	178 Wooddropspout Road
9	2786 0905	Hoeh, Matthew E & Michele E	28 Chapel Road	95	2013 044451	Steffman, Urban Allen	178 Wooddropspout Road
10	2014 041092	Kuier, Rose F Trustee	50 Chapel Road	96	5009 2147	Willauer, Charles D	165 Wooddropspout Road
11	2910 2024	Frisler, Roberta J	67 Chapel Road	97	5026 2147	Willauer, Charles D	165 Wooddropspout Road
12	2910 2024	Frisler, Roberta J	67 Chapel Road	98	4166 1007	Lanchow, Ronald D & Mary Ann	8 Furnace Run Road
13	2017 002763	Laplace Transforms LLC	74 Chapel Road	99	1311 0308	Freeman, Raymond A & Faye L	32 Furnace Run Road
14	1136 0161	Weston, Dennis J	71 Chapel Road	100	1311 0308	Freeman, Raymond A & Faye L	32 Furnace Run Road
15	2017 002763	Laplace Transforms LLC	74 Chapel Road	101	1311 0308	Freeman, Raymond A & Faye L	32 Furnace Run Road
16	2325 2051	Milay, Christopher S & Vicki L	80 Chapel Road	102	1311 0308	Freeman, Raymond A & Faye L	32 Furnace Run Road
17	4042 2346	Stovner, Colby L & Laura S	88 Chapel Road	103	2016 012285	Lopata, Nicholas B & Thomas	70 Furnace Run Road
18	1668 0522	Rader, Warren L & Gloria A	90 Chapel Road	104	2016 012285	Lopata, Nicholas B & Thomas	70 Furnace Run Road
19	4947 2346	Stovner, Colby L & Laura S	88 Chapel Road	105	1713 0478	Piggett, Ralph J & Dorcas E	444 Longview Road
20	3935 1099	Mead, Harold L & Ruth M	92 Chapel Road	106	1896 0264	Smith, Jay	Longview Road
21	2016 009311	Leff, Joseph A	102 Chapel Road	107	3327 1581	Fryer, Thomas & Amy	473 Longview Road
22	1147 0396	Bartman, Marian G	104 Chapel Road	108	3322 2334	Fryer, Thomas & Amy	473 Longview Road
23	1147 0396	Bartman, Marian G	104 Chapel Road	109	3322 2334	Bhaskar, Kathy T	474 Longview Road
24	1561 0994	Clark, John A & Sandra J	105 Chapel Road	110	2016 009403	Meyer, Eugene C Jr	478 Longview Road
25	2016 009311	Leff, Joseph A	102 Chapel Road	111	2930 0475	Meyer, Eugene C Jr & Juan Maria	486 Longview Road
26	2188 0677	Davidson, John F & Barbara J	1850 West Philadelphia Avenue	112	2107 1089	DCSWA	849 Longview Road
27	4164 1726	DCSWA	2 Coder Lane	113	2003 1407	DCSWA	338 Longview Road
28	1766 0805	Hans, Randy D & Sandra L	12 Coder Lane	114	3058 0538	Cookran, Mark D & Cathy L	268 Mountain Road
29	1766 0805	Hans, Randy D & Sandra L	12 Coder Lane	115	1803 0381	Wentzel, Lester & Shirley A	631 Longview Road
30	2013 003730	AJA Associates LLC	8 Coder Lane	116	2011 002024	Thursky, Andrew J & Cedra A	633 Longview Road
31	2014 005705	Landskroner, Jill Franklin	11 Coder Lane	117	2016 009403	GRL, David P Jr & Debbie R	857 Mountain Road
32	2013 042803	Knight, Virginia J	6 Coder Lane	118	2936 0424	Sandler, Chayah E	870 Mountain Road
33	1599 0430	Meyer, Donald A & Shirley M	16 Coder Lane				
34	2470 1261	Rose, Melanie	2 Coder Lane				
35	1518 0324	Dollner, William Wilmary Ellen	1897 West Philadelphia Avenue				
36	2376 0519	Haines, Brian K	14 Coder Lane				
37	4606 0410	Updegrave, Brenda	1903 West Philadelphia Avenue				
38	2402 1100	Christ, Peter C & Elizabeth Ann	228 Tall House Road				
39	2402 1100	Christ, Peter C & Elizabeth Ann	228 Tall House Road				
40	2402 1100	Christ, Peter C & Elizabeth Ann	228 Tall House Road				
41	3981 0052	Laplace, Jeffrey S & Lori J	298 Tall House Road				
42	1551 0208	Wilman, James C & Marisa Y	240 Mandabury Road				
43	1680 0212	Hoeh, Matt & Sara	243 Mandabury Road				
44	4051 0606	Schoff, Edgar W & Heather D	245 Mandabury Road				
45	2017 008208	Yoshida, David J Jr & Heller, Larissa M	246 Mandabury Road				
46	2017 008208	Yoshida, David J Jr & Heller, Larissa M	246 Mandabury Road				
47	1766 0581	Buckler, Barbara	260 Mandabury Road				
48	1766 0581	Buckler, Barbara	260 Mandabury Road				
49	2013 031568	Moser, Zachary	267 Mandabury Road				
50	2013 031568	Moser, Zachary	267 Mandabury Road				
51	2796 1688	Eshbach, Michael A & Shari E	272 Mandabury Road				
52	1772 0226	Rhodes, Royce M III & Heidi S	269 Mandabury Road				
53	1772 0226	Forsinger, Carolee L	279 Mandabury Road				
54	1452 0157	Burnsberry, Joseph A & Renee M	280 Mandabury Road				
55	2119 1427	Deabler, William T Jr & Cynthia M	291 Mandabury Road				
56	1452 0157	Burnsberry, Joseph A & Renee M	280 Mandabury Road				
57	2012 001600	Moser, Zachary	299 Mandabury Road				
58	2013 031567	Moser, Zachary	299 Mandabury Road				
59	2013 031567	Moser, Zachary	299 Mandabury Road				
60	2013 031567	Moser, Zachary	299 Mandabury Road				
61	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
62	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
63	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
64	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
65	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
66	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
67	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
68	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
69	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
70	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
71	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
72	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
73	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
74	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
75	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
76	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
77	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
78	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
79	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
80	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
81	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
82	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
83	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
84	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
85	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				
86	2016 001219	Zimmerman, Kenneth R	472 Mandabury Road				

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 500 FEET DOWNGRADIENT OF THE DISPOSAL AREA. ELEVEN (11) OF THE SUPPLIES IDENTIFIED ARE POTENTIALLY WITHIN 1/2 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 DCSSWA). 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 LINED 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.

GENERAL BASEMAP NOTES

- EXISTING TOPOGRAPHY AND FEATURES SHOWN HEREON WERE OBTAINED FROM AERIAL PHOTOGRAMMETRY PREPARED BY: CCI INFRASTRUCTURE, LLC, DBA L.R. KIMBALL & ASSOC., EBBESBURG, PA, FROM AN AERIAL PHOTOGRAPH DATED 01/14/17.
- DISPOSAL AREA INFORMATION WAS OBTAINED FROM "SHENKEL ROAD EXPANSION FINAL GRADING PLAN (GAS MANAGEMENT PLAN)," DELAWARE COUNTY SOLID WASTE AUTHORITY, COLEBROCKDALE MUNICIPAL LANDFILL, SHEET LF 11, DWG. 115-LF-11R4_DB, 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.

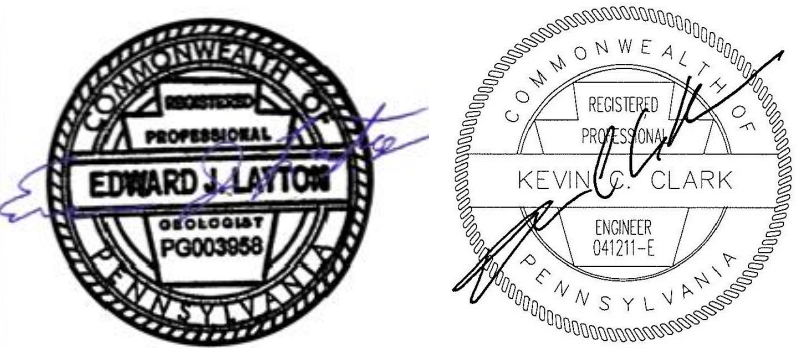
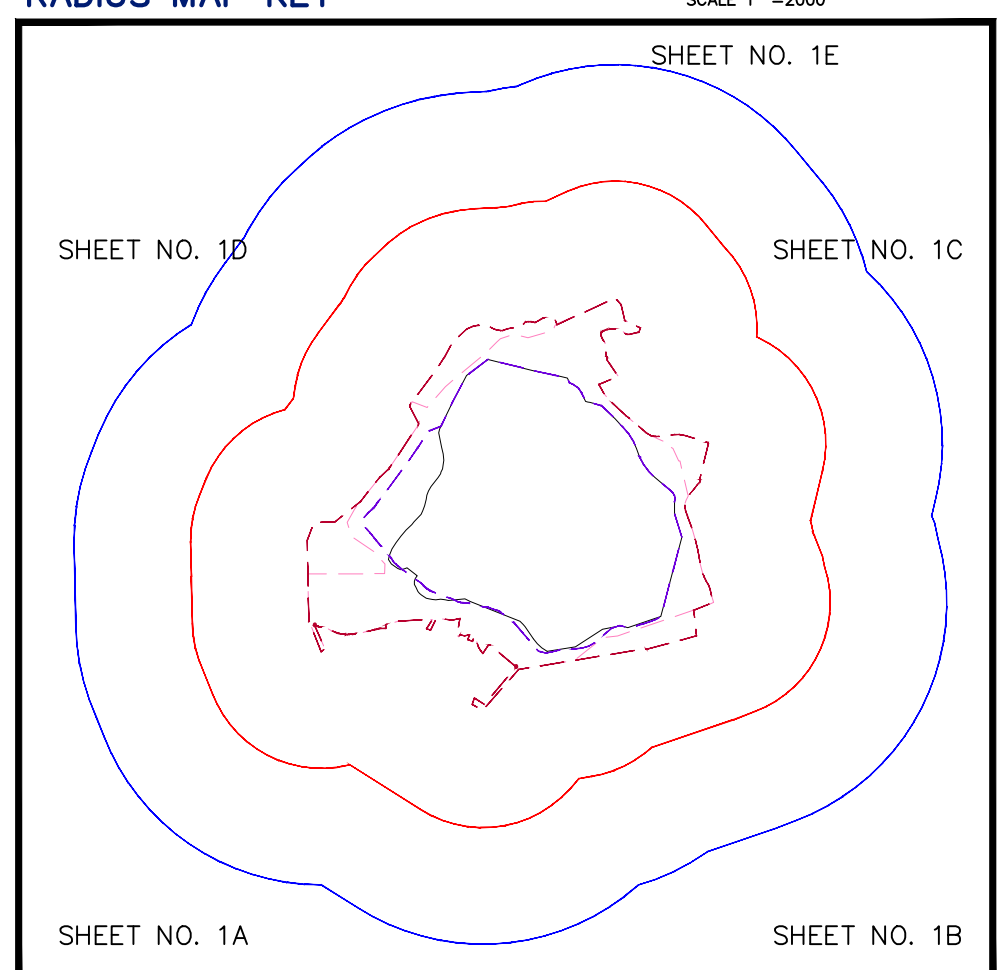
GENERAL BASEMAP LEGEND

- PROPERTY BOUNDARY
- ADJOINER PROPERTY LINE
- EXISTING PERMIT BOUNDARY
- EXISTING PERMITTED DISPOSAL LIMIT
- EXISTING PERMITTED PAD DIVISION LINE
- PROPOSED DISPOSAL LIMIT
- EXISTING GRADE CONTOURS (C.I.=2'/10')
- WATER COURSE (N 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 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

RADIUS MAP KEY



BAI GROUP INC.
Balanced Environmental Solutions

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 5)

State College Office (814) 238-2060 | Delaware Valley Office (810) 495-5585

DATE: **09/25/17**
DRAWN BY: **KEF**
CHECKED: **KCC**
BAI DRAWING NO.: **DCSWA-107D008E**
SHEET NO.: **1E OF 11**