

- ### GENERAL BASEMAP NOTES
- EXISTING TOPOGRAPHY AND FEATURES SHOWN HEREON WERE OBTAINED FROM AERIAL PHOTOGRAMMETRY PREPARED BY CBI 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 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.

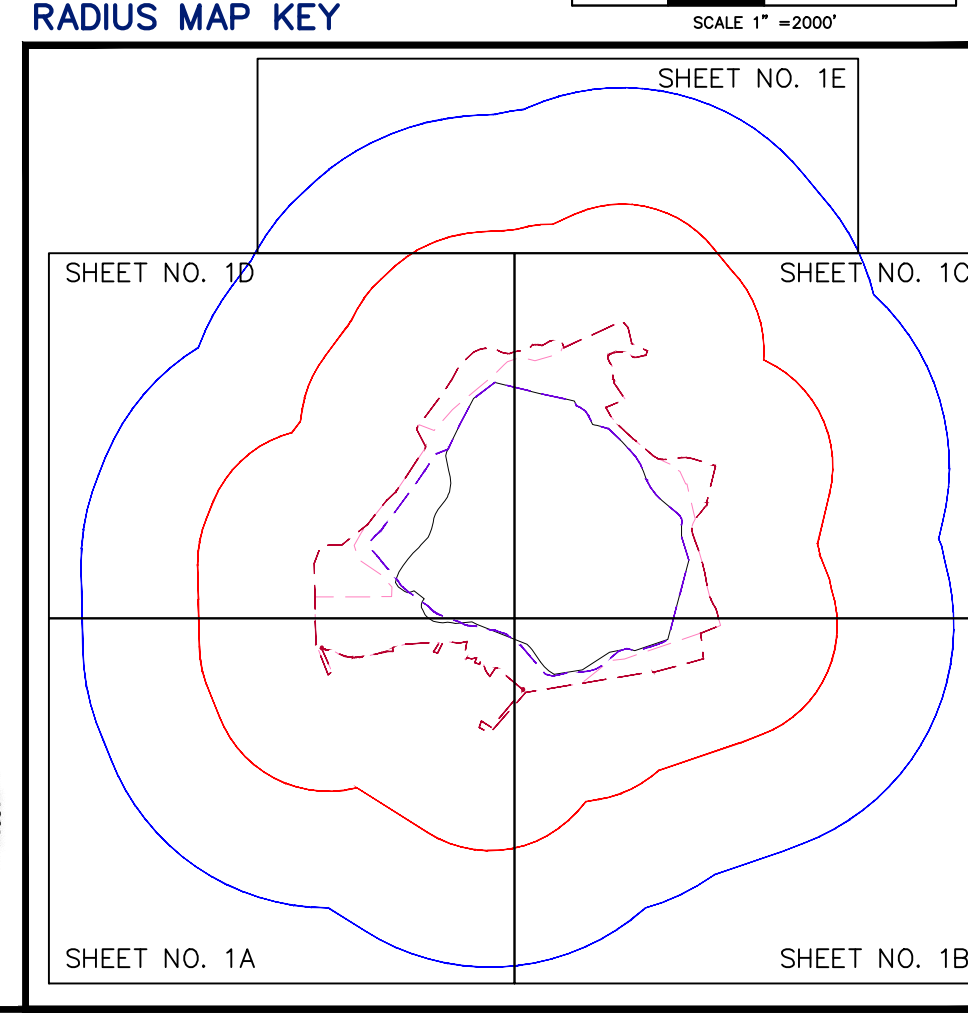
- ### GENERAL BASEMAP LEGEND
- PROPERTY BOUNDARY
  - ADJOINER PROPERTY LINE
  - EXISTING PERMIT BOUNDARY
  - PROPOSED PERMIT BOUNDARY
  - EXISTING PERMITTED DISPOSAL LIMIT
  - EXISTING PERMITTED PAD DIVISION LINE
  - PROPOSED DISPOSAL LIMIT
  - 650 - EXISTING GRADE CONTOURS (C.I.=2'/10')
  - WATER COURSE (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 DOWNGRADEMENT 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, 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 DOWNGRADEMENT 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 PRIORITIZED 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.

- ### 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 LLDE 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	Map ID	Deed No.	Owner Name	Address
1	2104 1490	DCSWA	Shenkel Road	60	2010 001219	Zimmerman, Kenneth R.	472 Manassas Road
2	4097 1928	Moser, Terry L. & Marsha	55 Shenkel Road	61	2010 001219	Zimmerman, Kenneth R.	472 Manassas Road
3	2009 020826	Gilbert, James Steven & Kisha Rochelle M	17 Chapel Road	62	2010 043880	Bank of America NA	307 Manassas Road
4	1102 1026	Goehls, Brian & Julie	275 Longview Road	63	1988 0400	Davis, Patrick & Mary M	490 Manassas Road
5	2009 032348	Chase, James W & Lewis, Kimberly A	7 Chapel Road	64	2553 1853	Cheffle, Rodney J & Kim A	325 Manassas Road
6	2001 026268	Norman, Terry L & Claire J	18 Chapel Road	65	2211 2133	Erdick, Jeffrey C & Ronald S	581 Manassas Road
7	3786 0965	Hoch, Matthew E & Michele E	28 Chapel Road	66	3075 2347	Davis, Lytton C & Mary Lee	497 Manassas Road
8	3786 0965	Hoch, Matthew E & Michele E	28 Chapel Road	67	3497 0559	Doris, Matthew	465 Manassas Road
9	3786 0965	Hoch, Matthew E & Michele E	28 Chapel Road	68	2013 020685	Boody, Stephen B & Dawn L	513 Manassas Road
10	2014 041092	Kisar, Rose F Trustee	58 Chapel Road	69	2013 041362	Kocher, Scott D	510 Manassas Road
11	2010 0024	Fraser, Roberta J	67 Chapel Road	70	1883 0715	Scheidt, Karen K	519 Manassas Road
12	2010 0024	Fraser, Roberta J	67 Chapel Road	71	3002 1081	Miller, Robert J & Marilyn	493 Manassas Road
13	2017 007020	Laplan Transform LLC	74 Chapel Road	72	2014 041295	Shanahan, Linda B & Jack L	522 Manassas Road
14	3136 0161	Wheeler, Dawn V	73 Chapel Road	73	2015 000134	Whitely, Lynn L	535 Manassas Road
15	2017 007020	Laplan Transform LLC	74 Chapel Road	74	2017 008081	Hart, Cathryn	533 Manassas Road
16	2020 0051	Miller, Christopher S & Vicki L	80 Chapel Road	75	2014 013151	Cornes, David	541 Manassas Road
17	4947 2346	Worman, Gary L & Terri L	84 Chapel Road	76	2010 023445	Angstadt, David E	539 Manassas Road
18	1568 0559	Rader, Warren L & Gloria A	90 Chapel Road	77	1861 1074	Hess, Francis J & Sharon E	537 Manassas Road
19	4947 2346	Worman, Gary L & Terri L	84 Chapel Road	78	3235 1877	Steigmann, Jeffrey J	546 Manassas Road
20	3935 0999	Mead, Harold L & Ruth M	92 Chapel Road	79	2017 00197	Herkel, Michael A & Sherril L	551 Manassas Road
21	2014 009111	Luh, Joseph A	102 Chapel Road	80	2014 042999	Fredericks, Jeffrey	608 Manassas Road
22	1147 0286	Bartman, Marian G	104 Chapel Road	81	2001 0325	Buchala, Bruce R & Debra H	611 Manassas Road
23	1147 0286	Bartman, Marian G	104 Chapel Road	82	2444 2055	GFL, Kenneth C & Thomas A	613 Manassas Road
24	1641 0994	Clark, John A & Sandra L	100 Chapel Road	83	3566 2147	GFL, Kenneth C & Thomas A	623 Manassas Road
25	2016 009111	Luh, Joseph A	102 Chapel Road	84	2015 040604	GFL, Robert J	630 Manassas Road
26	3188 0677	Davidson, John E & Barbara J	1850 West Philadelphia Avenue	85	3393 1921	GFL, Kenneth C & Thomas A	632 Manassas Road
27	4164 1726	Samuel, Dawn M & Shelby L	1 Cedar Lane	86	2015 044962	Wagner Farm Partnership	21 Spangville Road
28	1766 0865	Hess, Randy D & Sandra L	12 Cedar Lane	87	2015 044962	Wagner Farm Partnership	21 Spangville Road
29	1766 0865	Hess, Randy D & Sandra L	12 Cedar Lane	88	3393 1921	GFL, Kenneth C & Thomas A	623 Manassas Road
30	2015 002378	Alb, Douglas L	8 Cedar Lane	89	1896 0451	Crooner, George	649 Manassas Road
31	2014 025355	Laudenslager, W Franklin	10 Cedar Lane	90	3111 1670	Beaver, Brian J & Katrina J	663 Manassas Road
32	2013 042803	Knight, Virginia H	6 Cedar Lane	91	1748 1180	Waldner, Leroy A & Darlene P	247 Woodchopertown Road
33	3339 0149	Moser, Donald A & Shirley M	14 Cedar Lane	92	3362 1320	Townsend, Steven J & Christine P	242 Woodchopertown Road
34	3470 1781	Rose, Melanie	6 Cedar Lane	93	2016 020226	Amstrong, Michael Allen	6 Ambrose Drive
35	1138 0124	Dollner, William Wilbur Elton	1897 West Philadelphia Avenue	94	2013 044451	Shelton, Ethan Allan	178 Woodchopertown Road
36	3378 0532	Holmes, Brian K	14 Cedar Lane	95	2013 044451	Shelton, Ethan Allan	178 Woodchopertown Road
37	4608 0110	Uppigross, Brandon	1800 West Philadelphia Avenue	96	3026 2147	Willauer, Clinton D	85 Woodchopertown Road
38	3402 1190	Christ, Peter C & Elizabeth Ann	228 Toll House Road	97	2012 0198	Fredericks, Jeffrey	608 Manassas Road
39	2402 1190	Christ, Peter C & Elizabeth Ann	228 Toll House Road	98	4166 1007	Landshower, Ronald C & Mary Ann	32 Furnace Run Road
40	2402 1190	Christ, Peter C & Elizabeth Ann	228 Toll House Road	99	1311 0308	Fredericks, Raymond A & Faye L	32 Furnace Run Road
41	3881 0552	Lepski, Jeffrey A & Lori J	208 Toll House Road	100	1311 0308	Fredericks, Raymond A & Faye L	32 Furnace Run Road
42	1511 0308	Moser, James C & Marlene Y	243 Manassas Road	101	1311 0308	Fredericks, Raymond A & Faye L	32 Furnace Run Road
43	1682 0212	Moser, Joan S Ed	243 Manassas Road	102	1311 0308	Fredericks, Raymond A & Faye L	32 Furnace Run Road
44	4051 0606	Schall, Edgar W & Heather H	243 Manassas Road	103	2010 012285	Loggia, Nicholas B & Thomas	20 Furnace Run Road
45	2017 008208	Yusko, David J & Miller, Larkin M	246 Manassas Road	104	2014 012285	Loggia, Nicholas B & Thomas	20 Furnace Run Road
46	2738 2730	Bumgarber, Joseph A & Renée M	244 Manassas Road	105	1713 0478	Pajdak, Robert J & Donna E	444 Longview Road
47	1766 0865	Hess, Randy D	260 Manassas Road	106	1896 0451	Shelton, Ethan Allan	178 Woodchopertown Road
48	3545 1805	Reinert, Steven R & Patsy A	263 Manassas Road	107	5327 1581	Fryer, Thomas & Amy	473 Longview Road
49	2013 031362	Moser, Zachary	267 Manassas Road	108	5327 1581	Fryer, Thomas & Amy	473 Longview Road
50	2796 1008	Galbach, Michael D & Cheryl E	272 Manassas Road	109	2022 2348	Fredericks, Jeffrey	608 Manassas Road
51	1772 0396	Rhodes, Floyd M III/Isabella S	269 Manassas Road	110	2016 005905	Moyer, Eugene C III	478 Longview Road
52	1772 0396	Rhodes, Floyd M III/Isabella S	279 Manassas Road	111	2020 0425	Moyer, Eugene C III & Jan Renee	486 Longview Road
53	1452 0157	Brambach, Eleanor M & Curtis, Eleanor	300 Manassas Road	112	2197 1089	DCSWA	536 Longview Road
54	1452 0157	Brambach, Eleanor M & Curtis, Eleanor	300 Manassas Road	113	2001 1407	DCSWA	536 Longview Road
55	2119 1437	Shelton, William T III/Cynthia M	291 Manassas Road	114	3058 0538	Condra, Mark D & Cathy L	538 Mountain Road
56	1452 0157	Brambach, Eleanor M & Curtis, Eleanor	300 Manassas Road	115	1833 0381	Wentzel, Loder & Shirley A	631 Longview Road
57	2012 031362	Moser, Zachary	299 Manassas Road	116	2013 000044	Trankow, Andrew J & Debra A	633 Longview Road
58	2013 031362	Moser, Zachary	299 Manassas Road	117	2014 006492	GFL, David P Jr & Ashley N	857 Mountain Road
59	2020 1336	Moser, Marsha A	303 Manassas Road	118	2036 0424	Sandell, Deborah E	870 Mountain Road



MATCH LINE SEE SHEET 1A  
MATCH LINE SEE SHEET 1B



**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 2)**

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

DATE: **09/25/17**

DRAWN BY: **KEF**

CHECKED: **KCC**

BAI DRAWING NO: **DCSWA-107D008B**

SHEET NO. **1B OF 11**