



GENERAL BASEMAP NOTES

- EXISTING TOPOGRAPHY AND FEATURES SHOWN HEREON WERE OBTAINED FROM AERIAL PHOTOGRAMMETRY PREPARED BY: CDI INFRASTRUCTURE, LLC, DBA L.R. KIMBALL & ASSOC., EBENSBERG, 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, 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
- PROPOSED PERMIT BOUNDARY
- EXISTING DISPOSAL LIMIT
- EXISTING PAD DIVISION LINE
- 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 MONUMENTS (SEE COORDINATE TABLE THIS SHEET)

PRE-DEVELOPMENT CONDITION NOTES

- PRE-DEVELOPMENT CONDITIONS ARE BASED ON THE FOLLOWING:
 - GRADING IN EXISTING CAPPED AREAS ARE BASED ON ACTUAL FIELD SURVEY DATA, FLYOVERS, AND OTHER DATA GATHERING MEANS.
 - WITH THE EXCEPTION OF THE UNLINED PORTIONS OF PADS 107 AND 108, GRADING IN ACTIVE, UNCAPPED DISPOSAL AREAS AS OF THE DATE OF THIS APPLICATION ARE ASSUMED TO BE AT PERMITTED FINAL GRADES EXCEPT FOR UNBUILT PORTIONS OF PADS 107-108. MODIFICATIONS HAVE BEEN MADE WHERE PROPOSED GRADES MEET EXISTING CAPPED AREAS TO INDICATE ANTICIPATED FINAL GRADING CONDITIONS AT THE TIME OF COMPLETION OF DISPOSAL ACTIVITIES AND INSTALLATION OF THE CAP SYSTEM UNDER THE CURRENT PERMIT.
 - EXISTING FINAL GRADES AROUND THE PERIMETER OF THE LANDFILL HAVE BEEN ADJUSTED WHERE NECESSARY TO DEPICT OBSERVED CHANGES RELATIVE TO PASDA LIDAR MAPPING, EXISTING HISTORIC MAPPING, AND EXISTING RECORD DRAWINGS.
 - EXISTING FEATURES SUCH AS UTILITIES, ACCESS ROADS, SUPPORTING FACILITIES, LEACHATE COLLECTION SYSTEM, AND STORMWATER MANAGEMENT FEATURES ARE BASED ON HISTORIC MAPPING, AERIAL PHOTOGRAPHY, AS-BUILT DRAWINGS, AND FIELD SURVEY DATA.
 - AT THE TIME OF PREPARATION OF THIS PERMIT APPLICATION, PORTIONS OF PADS 107 AND 108 HAVE NOT BEEN CONSTRUCTED. IT IS ANTICIPATED THESE UNCONSTRUCTED PAD AREAS WILL BE COMPLETED AS PART OF THE PHASE 1 CONSTRUCTION ACTIVITIES.
- DUE TO THE NATURE OF ONGOING OPERATIONS AT THE SITE IT IS ANTICIPATED THERE MAY BE MINOR CHANGES TO THE EXISTING CONDITIONS DEPICTED ON THESE PERMIT DRAWINGS. THESE CHANGES WILL BE DOCUMENTED IN THE FIELD AT THE TIME OF CONSTRUCTION AND PROVIDED IN THE RECORD DRAWINGS FOR THE PROJECT SITE.
- ASSUMED PRE-DEVELOPMENT CONDITIONS WILL BE FIELD VERIFIED PRIOR TO START OF CONSTRUCTION.
- THE EXISTING CAP IN CAP AREAS B, D & E THAT WILL BE BELOW THE TYPE 2 LINER SYSTEM TO BE REMOVED AND A NEW LINER SYSTEM PLACED ATOP. WHEN REMOVING CAP, MAKE MINOR GRADE REVISIONS TO TERRACES AND OTHER AREAS TO MAINTAIN A POSITIVE 3% MINIMUM SLOPE IN THE TYPE 2 LINER SYSTEM AREAS. SEE DETAIL 4 ON SHEET 8B OF 11 FOR CONCEPTUAL GRADING PLAN APPLICABLE TO TERRACES WITHIN CAP AREAS B, D & E. SEE SHEET 6B FOR TIE IN OF SYSTEM TO PERIMETER LFG HEADER SYSTEM.

PRE-DEVELOPMENT CONDITION LEGEND

- EXTENT OF SOUTHERN EXPANSION LINER SYSTEM
- EXISTING LLDFE GEOMEMBRANE CAP
- EXISTING PVC GEOMEMBRANE CAP
- LANDFILL CROSS SECTION LOCATION (SEE SHEET SET 7)
- HISTORIC CAPPED AREA LFG COLLECTION PIPE DASHED WHERE PERFORMED

SURVEY CONTROL MONUMENTS			
I.D.	NORTHING	EASTING	SURFACE ELEVATION (ft.MSL)
MON P	52425.50	21863.65	844.253
MON Q	50458.05	20935.50	518.714
MON R	50479.02	24693.75	707.980
MON S	53069.69	23625.21	736.318
MON T	52323.25	24292.19	779.086



Balanced Environmental Solutions

REVISIONS	

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SHEET NO: **6A OF 11**

DELAWARE COUNTY SOLID WASTE AUTHORITY

ROLLING HILLS LANDFILL

SOUTHERN AREA LANDFILL EXPANSION

EARL TOWNSHIP BERKS COUNTY PENNSYLVANIA

PROPOSED EXPANSION

PRE-DEVELOPMENT CONDITIONS

State College Office Delaware Valley Office

(814) 238-2060 (610) 495-5585