

NOTES:

1. LFG AND LEACHATE COLLECTION PIPING ARE HDPE.
2. EXISTING CONTOURS NOT SHOWN, SEE OTHER PLAN SHEETS FOR EXISTING CONTOURS.
3. UTILITY BENCHES NEAR EW'S 17 THROUGH 21 ARE 12' WIDE, SLOPED 1/2" PER FOOT AS SHOWN.
4. INSTALL MARKER POSTS AT TEES, AS SHOWN.
5. INSTALL LFG AND LEACHATE PIPING AT 3% MIN. SLOPE.
6. THE HORIZONTAL LOCATION OF THE TERRACE TOE DRAIN PIPING SHOWN HERE IS APPROXIMATE ONLY. THE CONTRACTOR SHALL CONSULT THE DETAIL ON SHEET C-501 AND VERIFY IN THE FIELD THE LOCATION PRIOR TO INSTALLING. AT THE LOCATION WHERE THE TOE DRAIN PIPING CROSSES PROPOSED LFG AND/OR LEACHATE PIPING, TERMINATE THE TOE DRAIN WITH A CAPPED END AND INSTALL A DAYLIGHT PIPE TO THE NEAREST TERRACE/DITCH.
7. LFG COLLECTION PIPING VALVES 1 AND 2 ARE EXISTING, AND WILL REMAIN IN SERVICE. LFG VALVES 3 - 6 ARE NEW VALVES.
8. DAYLIGHT TERRACE/DITCH TOE DRAINS TO NEAREST DRAINAGE CONVEYANCE AT 3% MIN. SLOPE SPACED AS SHOWN, AND AT LOCATIONS NOTED BELOW.

TERRACE/DITCH TOE DRAIN DAYLIGHT LOCATIONS:

1. T1 AND D4 DAYLIGHT AT PIPE P10.
2. D2 DAYLIGHTS AT PIPE 1A.
3. T2 DAYLIGHTS AT TERRACE LEADING TO DITCH D5.
4. T3 DAYLIGHTS AT TERRACE LEADING TO DITCH D3.

CONNECT PROPOSED LFG COLLECTION PIPING TO EXISTING LFG PIPING AT THIS LOCATION LFG PIPING FROM CONNECTION POINT TO KNOCKOUT POT TO REMAIN IN SERVICE

INSTALL NEW LFG COLLECTION PIPING AND VALVING, TYP. PROVIDE POSITIVE DRAINAGE, 3% MIN. SLOPE

INSTALL NEW LEACHATE COLLECTION PIPING, TYP. PROVIDE POSITIVE DRAINAGE, 3% MIN. SLOPE

PROPOSED LINER EDGE LIMITS

- LEGEND**
- MM-14 LANDFILL GAS MONITORING WELL
 - MW-6 GROUNDWATER MONITORING WELL
 - EW-5 LFG EXTRACTION WELL
 - EW-6 LFG EXTRACTION WELL WITH DE-WATERING PUMP PUMP TO BE REPLACED
 - EW-10 LFG EXTRACTION WELL WITH DE-WATERING PUMP PUMP NOT REPLACED
 - Ⓜ LFG 6" PROPOSED LANDFILL GAS COLLECTION PIPING WITH PIPE SIZE, VALVE, AND MARKER POST
 - 4" PROPOSED LEACHATE COLLECTION PIPING WITH PIPE SIZE & CLEANOUT
 - PROPOSED TERRACE/DITCH TOE DRAIN PIPING
 - PROPOSED FORCE MAIN
 - PROPOSED LINER EDGE

SIGNED AND DATED:

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED IN ACCORDANCE WITH THE STANDARD CERTIFICATION REQUIREMENTS FOUND IN NC ADMINISTRATIVE CODE 21-58.1103(E). THIS DIGITAL SIGNATURE HAS BEEN FOUND BY THE NC BOARD OF EXAMINERS FOR ENGINEERS AND SURVEYORS TO MEET THESE STANDARDS. PLEASE CONTACT THE SIGNER IF YOU NEED ASSISTANCE IN VALIDATING THE SIGNATURE.

NO.	DATE	BY	DESCRIPTION

FRANCIS FARM LANDFILL
RESTRICTIVE COVER IMPLEMENTATION
HAYWOOD COUNTY
HAYWOOD COUNTY, NORTH CAROLINA

OFFICE MANAGER MDC		DESIGNER DAP	
PROJECT MANAGER JRB		REVIEWER JRB	

DATE DECEMBER 2019	PROJECT # 14.00708	FUNDING # N/A
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SHEET

C-104

BID DOCUMENTS

ABOVE-LINER
PIPING PLAN



LIBRARY STREET DRAWINGS 2014/14/2019 - FFLP ACAD DESIGNS/SOLID WASTE DRAWINGS/CONSTRUCTION DWG(S) 14.00708.CD PLAN DECEMBER 13 2019.DWG PLOT DATE 12/23/2019 2:12 PM DAVE PASKO