

Approved, 2/28/14, DIN 20663
NCDWM, SWS, JM

Project:	Davidson County MSWLF - Phase 2 - Area 2 - Cell 1
Owner:	Davidson County Integrated Solid Waste Management Department 1242 Old U.S. Highway 29 Thomasville, NC 27360
Contractor:	J.T. Russell & Sons, Inc. ATTN: Nathan Russell 1721 U.S. Highway 52 North Albemarle, NC 28001

Regulatory Review Required (Y/N):	Y
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*If Yes, see below.

NOTE: Each modification described herein is a revision of a previously approved permit and/or design feature.

Reference(s):
Drawing L2, Detail 1 (Liner System Tie-In)

Description of Modification(s):
The liner system tie-in with existing Area 1 along the western berm of Area 2 will be as follows: 1. Repair existing geosynthetics as necessary. 2. Extend geosynthetic clay liner (GCL) over-top and beyond existing GCL by 1' (minimum). Add bentonite between panels. 3. Wedge-weld new 60-mil textured geomembrane to existing 60-mil HDPE textured geomembrane. If wedge-welding is not possible, extrusion weld the new geomembrane to the existing. 4. Heat bond the new Type GT-C geotextile to the existing Type GT-C geotextile.

Reason for Modification(s):
Based on the exposed condition of the existing liner system and the removal of the existing anchor trench for tie-in of the soil liner, the geosynthetics tie-in detail has been modified to simplify the installation.

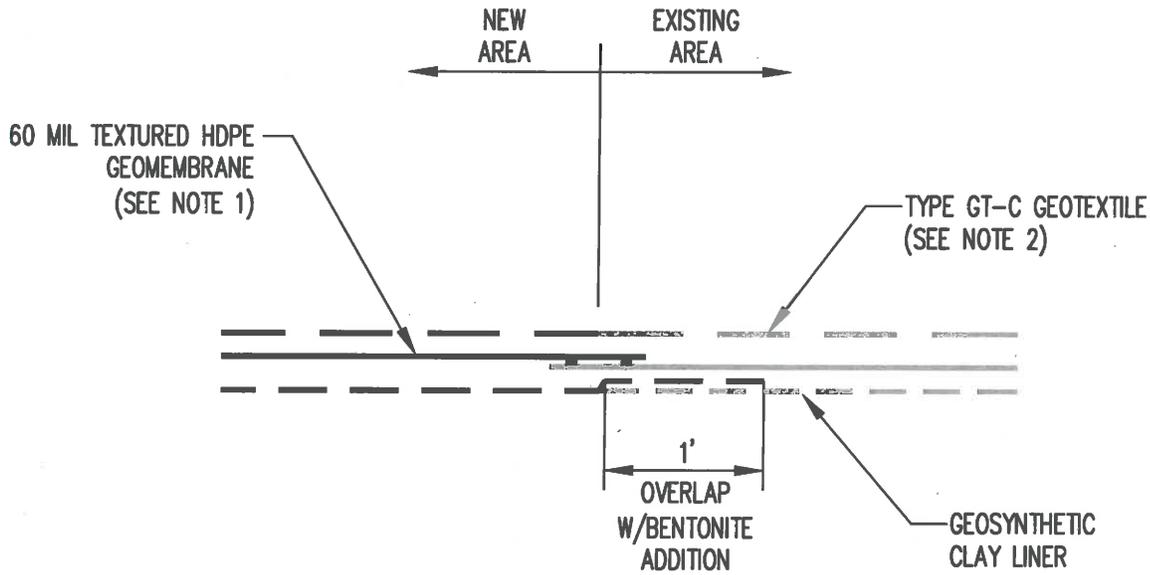
Attachments:
Figure 1 - Revised Liner System Tie-In Detail

Comments:

Regulatory Agency:	NC DENR - Division of Waste Management ATTN: John Murray, P.E. john.murray@ncdenr.gov
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By: Pieter K. Scheer, P.E.
Title: Project Manager
Date: February 27, 2014

Distribution: Owner Contractor Field File Regulatory Agency



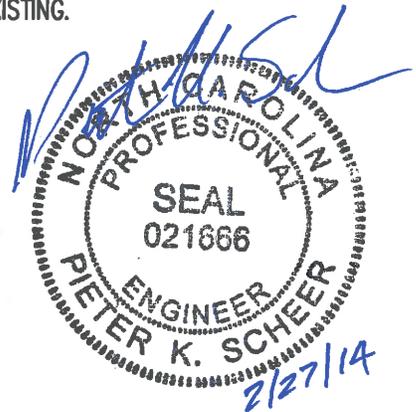
NOTES:

1. WEDGE WELD GEOMEMBRANE TO EXISTING. EXTRUSION WELD WHERE A WEDGE WELD CANNOT BE MADE.
2. HEAT BOND NEW TYPE GT-C GEOTEXTILE WITH EXISTING.
3. SOME LAYERS NOT SHOWN FOR CLARITY.

REVISED LINER SYSTEM TIE-IN

DETAIL
NOT TO SCALE

1
FIG.1



PREPARED FOR:

**DAVIDSON COUNTY MSWLF
PHASE 2 - AREA 2 - CELL 1
REVISED LINER SYSTEM TIE-IN DETAIL**

PREPARED BY:

NC LIC. NO. C-0828 [ENGINEERING]

SMITH+GARDNER

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577

DRAWN: K.C.B.	APPROVED: P.K.S.	SCALE: N.T.S.	DATE: Feb 2014	PROJECT NO.: DAVDCO-12-3	FIGURE NO.: FIG. 1	FILE NAME: DAVDCO-A0773
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