

Permit No.	Date	Document ID No.
06-03	December 18, 2009	9098



Design Clarification No. 1

<b>Project:</b>	Avery County C&D Landfill Phase III - Cell 1 Construction Avery County, North Carolina
<b>Owner:</b>	Avery County Solid Waste Attn: Buddy Norris 175 Linville Street Newland, North Carolina 28657
<b>Contractor:</b>	Blue Ridge Grading & Trucking, Inc. ATTN: Ryan Holiman 20 E. US Hwy 19E Bypass Burnsville, North Carolina 28714

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

**Reference(s):**  
GCL Installation: Details 1/EC4 and 1/X1

**Description of Clarification(s):**  
The GCL shall be installed a minimum of 35 feet beyond the proposed limits of waste as shown on the attached drawings and should be extended as far as south as feasible to maintain a 10 foot high berm for protection of downstream waters during construction.

**Reason for Clarification(s):**  
To facilitate construction, protect downstream waters, and to provide hydraulic barrier for the landfill, the installation of the GCL was reviewed with the existing conditions in mind. Therefore, the bulk of the underdrain can be installed and backfilled prior to the installation of the GCL, whereby, the GCL can be installed in a single mobilization.

**Attachments:**  
Drawings Notes for Details 1/EC4 and 1/X1.

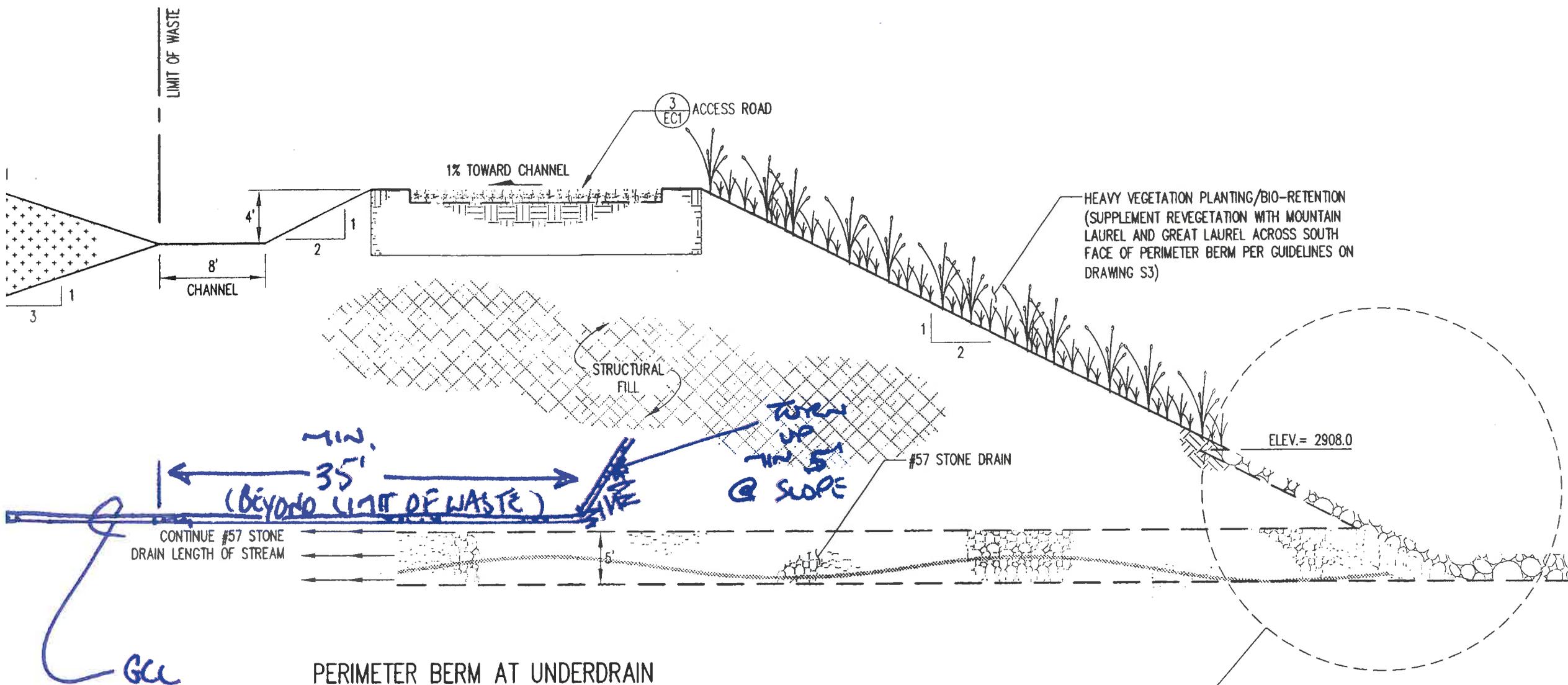
**Comments:**

**Regulatory Agency:** NCDENR - Division of Waste Management  
ATTN: Allen Gaither  
Asheville Regional Office  
Swannanoa, North Carolina

*(Handwritten Signature)*

<b>By:</b>	Stacey A. Smith, P.E.
<b>Title:</b>	Project Manager
<b>Date:</b>	December 18, 2009

**Distribution:**  Owner  Contractor  Field  File  Regulatory Agency



LIMIT OF WASTE

3  
EC1 ACCESS ROAD

1% TOWARD CHANNEL

HEAVY VEGETATION PLANTING/BIO-RETENTION  
(SUPPLEMENT REVEGETATION WITH MOUNTAIN  
LAUREL AND GREAT LAUREL ACROSS SOUTH  
FACE OF PERIMETER BERM PER GUIDELINES ON  
DRAWING S3)

8'  
CHANNEL

STRUCTURAL  
FILL

MIN.  
35'  
(BEYOND LIMIT OF WASTE)

TURN  
UP  
MIN. 5'  
@ SLOPE

#57 STONE DRAIN

ELEV. = 2908.0

CONTINUE #57 STONE  
DRAIN LENGTH OF STREAM

PERIMETER BERM AT UNDERDRAIN

DETAIL  
NOT TO SCALE

1  
EC4

UNDERDRAIN/STREAM TRANSITION

2  
EC4

GCL

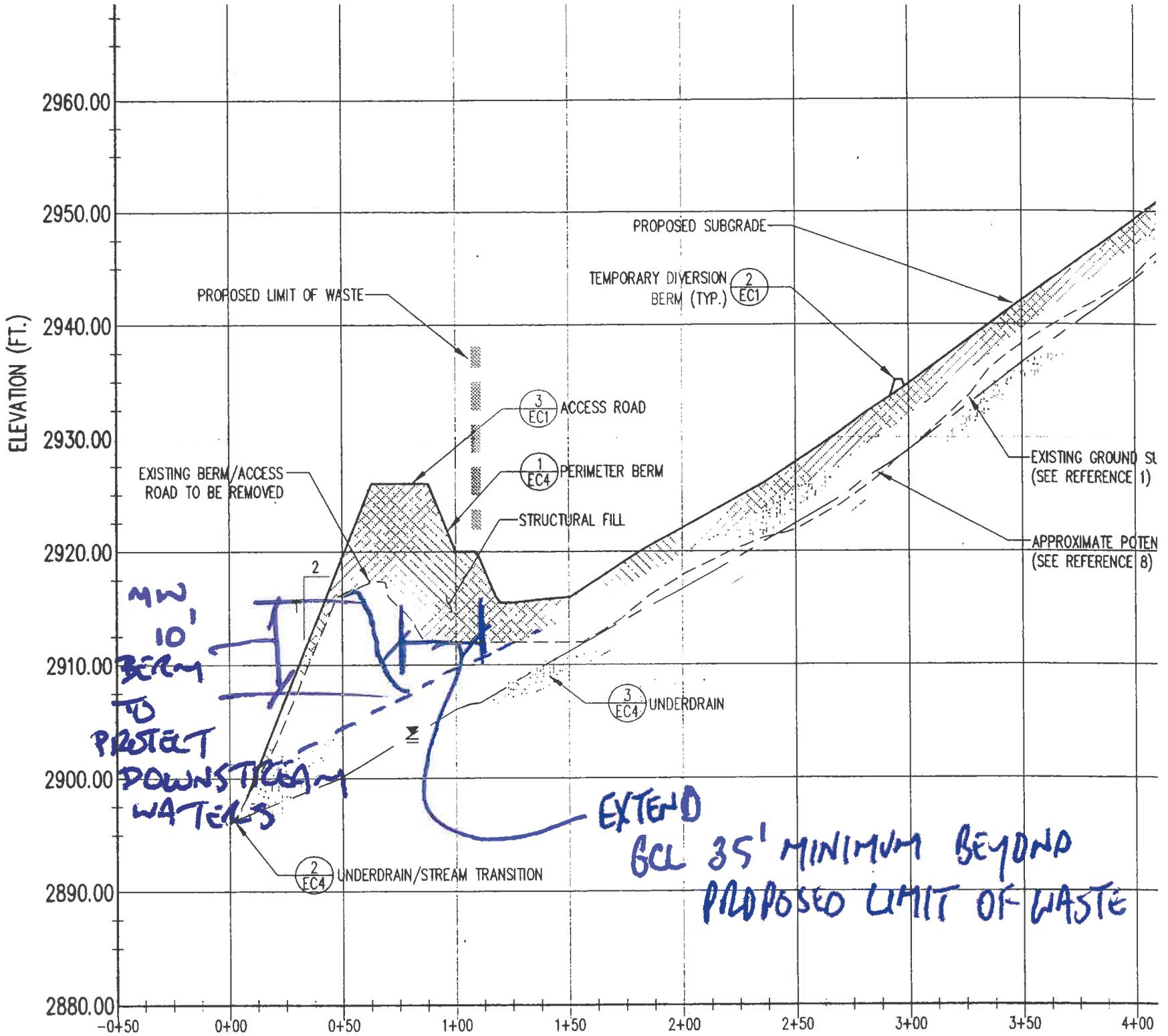
(SEE REFERENCE 2)

- 200-FOOT SOLID WASTE BUFFER
- ▨ WASTE LIMITS
- //// SILT FENCE
- ..... SILT FENCE (EXISTING)
- DB— DIVERSION BERM
- ▶▶▶▶▶ DIVERSION CHANNEL
- SIDE SLOPE SWALE
- APPROX. STREAM LOCATION (SEE REFERENCE 3, 5)
- ▨ WETLANDS (SEE REFERENCE 3)
- 50-FOOT STREAM AND WETLAND BUFFER
- ..... 25-FOOT TROUT STREAM BUFFER
- ▨ PROPOSED BUFFER RESTORATION AREAS
- ⊕ MONITORING WELL
- PIEZOMETER
- ⊖ POTABLE WELL
- PROPOSED GAS PROBE
- (C-3A) CULVERT
- (DI-3A) DROP INLET
- PROPOSED LIMIT OF WASTE MARKER

N 8:8000

(C-30)

IM  
V



**NOTE**  
 1. CONTRACTOR SHALL PREPARE PIPE REMOVAL, UNDERDRAIN INSTALLATION, AND BACKFILL WORK PLAN PRIOR TO DISTURBANCE