

West Des Moines, IA

PROJECT: Anderson Ex Co.,CY26 On-Call Support,IA
27226025.00

DATE: 7/17/2026

SUBJECT: Anderson Excavating C&D Landfill - 78-SDP-04-89C - Final Cover Repair Plan

TRANSMITTAL ID: 00004

PURPOSE: For Bid

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Chris Calhoun West Des Moines, IA	SCS Engineers	CCalhoun@scsengineers.com	+1-515-415-9228

TO

NAME	COMPANY	EMAIL	PHONE
brian.rath@dnr.iowa.gov		brian.rath@dnr.iowa.gov	
Becky Jolly		becky.jolly@dnr.iowa.gov	

REMARKS: Brian,

Please find for download the Final Cover Repair Plan for the Anderson Excavating C&D Landfill. If you have any questions regarding this submittal, please contact me using the information below.

Thank you,

Chris Calhoun
Project Professional
West Des Moines, IA 50265
515-415-9228 Office
515-418-1768 Cell
ccalhoun@scsengineers.com

www.scsengineers.com

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	7/17/2026	2026.07.17_Anderson Excavating C&D Landfill_78-SDP-04-89C_Final Cover Repair Plan.pdf	

Transmittal

DATE: 7/17/2026
TRANSMITTAL ID: 00004

COPIES:

Virginia Anderson	(Anderson Excavating Company)
Chris Calhoun	(SCS Engineers)
Sean Marczewski	(SCS Engineers)
Christine Collier	(SCS Engineers)

July 17, 2026
File No. 27226025.00

Mr. Brian Rath
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue
Des Moines, Iowa 50321

Subject: Final Cover Repair Plan
Anderson Excavating C&D Landfill
Permit No. 78-SDP-04-89C

Dear Mr. Rath:

SCS Engineers, on behalf of Anderson Excavating Company, Inc., is submitting the enclosed Final Cover Repair Plan (Plan) for the Anderson Excavating Construction and Demolition Landfill (C&D Landfill).

BACKGROUND

Construction of the final cover at the C&D Landfill originally commenced in Fall 2013. Cap soil placement was substantially completed in Spring 2015. Initial documentation of closure construction activities was submitted by Barker Lemar Engineering Consultants (BLEC) on February 17, 2016 (Doc #85538). Additional construction documentation was submitted by BLEC on March 31, 2017 (Doc #88916) and September 25, 2017 (Doc #90384). The closure permit for the C&D Landfill was issued on April 11, 2016 (Doc #85941).

In recent years, the final cover system has deteriorated and no longer meets compliance requirements, necessitating repair. This Plan outlines the deficiencies that require corrective action and a proposed plan to repair the final cover system and for installation of new erosion control measures.

FINAL COVER REPAIR PLAN

The Plan covers restoration of the final cover system in addition to installation of preventative erosion control measures. SCS Engineers (SCS) will have staff on site as needed during construction to make field decisions and to document work completed for inclusion in the construction documentation report. Further details on the repairs are discussed below.

VEGETATION REMOVAL

Woody vegetation is present in the northern half of the east closure sideslope as well as in the southeast corner of the closure area. The vegetation's root systems have potential to damage the in-place final cover system. Additionally, this vegetation inhibits the ability to mow and conduct maintenance activities in these areas. The woody vegetation, including stumps and root systems, will be removed from the closure area. Approximate limits of the woody vegetation can be seen on **Drawing No. 1**. Photos in **Attachment A** show vegetation in both spring and summer seasons.



EROSION REPAIR

Erosion rills of various depths have formed across the east sideslope of the closure area. On June 9, 2026, during a topographic survey of the east sideslope, SCS staff walked the area and noted rills that appeared to be greater than 2 feet in depth. The approximate location of the deeper rills can be seen on **Drawing No. 1**. The dense vegetation present at the time of the survey made it difficult to observe and document the exact width, depth, and length of the rills on the sideslope. After woody vegetation has been cleared from the sideslope, including the root systems, a more thorough examination of the erosion rills can be performed. SCS proposes that for any erosion less than 2 feet in depth, the rills will be filled in with uncompacted soil, of which at least the top 6 inches is topsoil material. For rills greater than 2 feet in depth, repair to the compacted soil component of the final cover is likely required. These areas of erosion will be excavated to a uniform depth to key into the existing adjacent compacted soil layer. Soil will be placed and compacted in accordance with the approved Closure Plan. The soil shall be compacted to at least 98% of the maximum dry density. Disturbed areas shall be seeded and fertilized as specified in the Closure Plan upon completion of the final cover repair. This will be completed within the recommended seeding timeframes in Iowa of March 1 to May 31 and August 10 to September 30.

PROPOSED EROSION CONTROL

To assist in prevention of future erosion, additional erosion control measures are proposed as part of this Plan. Terraces are proposed to be installed along the east sideslope to manage and redirect stormwater runoff. The northern terrace will drain southeast along the slope to an existing drainageway outside of the closure area. The southern terrace will drain northeast to a proposed rock letdown along the adjacent access road in the southeast corner of the closure area. Rock check dams will be placed along the flowline of the terraces at a maximum spacing of 100 feet. Silt fence will be placed along the sideslope as needed to assist in erosion prevention prior to the establishment of vegetation. Proposed locations for the erosion control measures can be seen on **Drawing No. 2**. Details for the proposed erosion control measures can be found on **Drawing No. 3**.

Final cover repair construction activities are expected to occur during late summer/early fall. A construction documentation report will be submitted by December 31, 2026. If you have any questions regarding this Plan, please contact us using the information below.

Sincerely,



Chris T. Calhoun
Project Professional
SCS Engineers
ccalhoun@scsengineers.com
(515) 415-9228



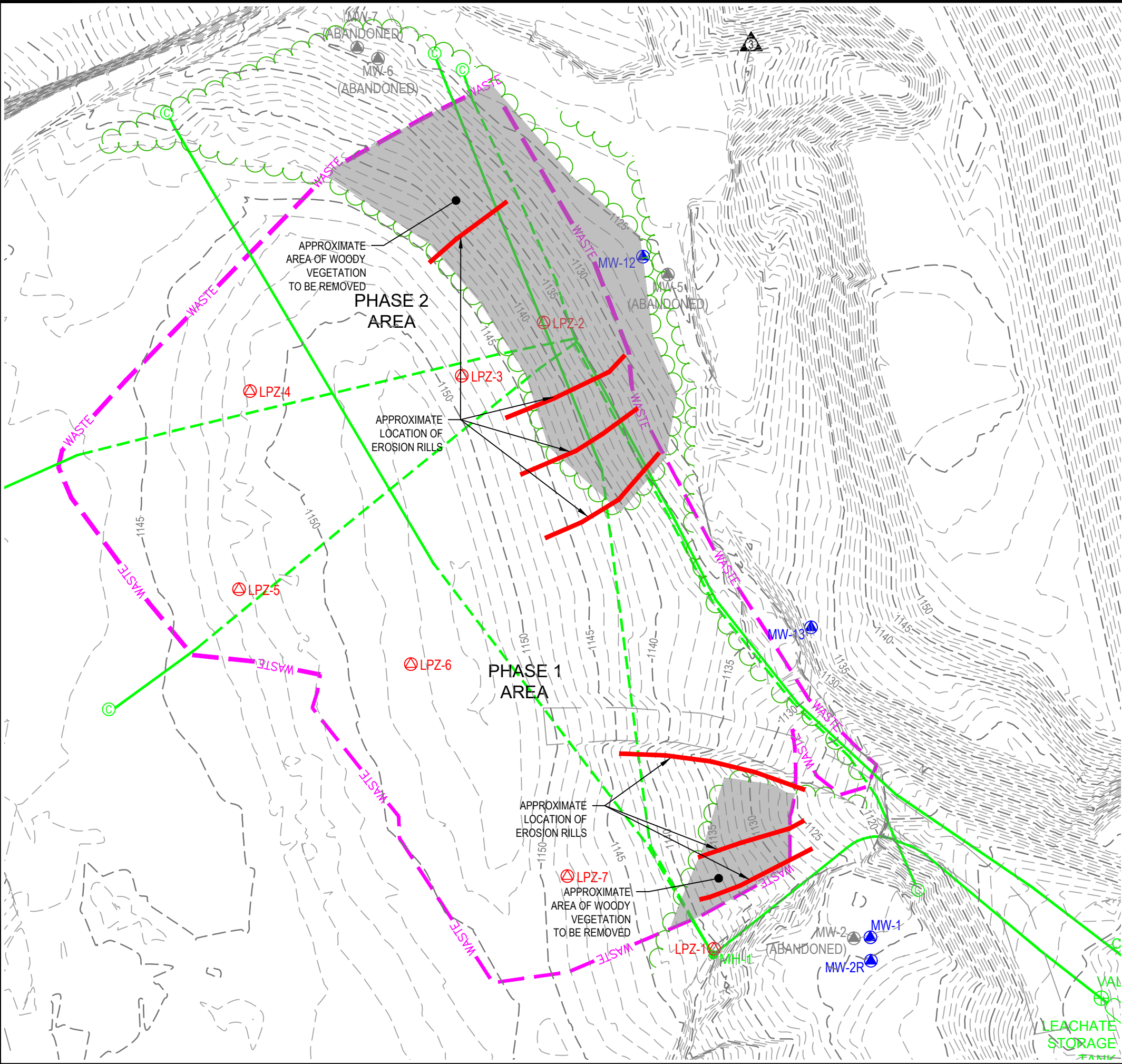
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ccollier@scsengineers.com
(515) 418-0677

Brian Rath
July 17, 2026
Page 3

cc: Mrs. Virginia Anderson, President, Anderson Excavating Company, Inc.

Encl. Drawing No. 1 – Existing Conditions
 Drawing No. 2 – Proposed Erosion Control
 Drawing No. 3 – Details
 Attachment A - Photos

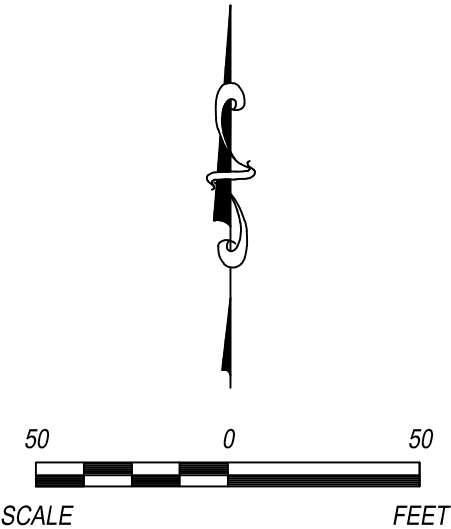
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LEGEND:

- EXISTING TOPOGRAPHY (1' MINOR, 5' MAJOR)
- GRAVEL ROAD
- WASTE BOUNDARY
- LEACHATE PIPE (PERFORATED/SOLID)
- LEACHATE CLEANOUT
- LEACHATE PIEZOMETER
- LEACHATE MANHOLE
- MONITORING WELL
- ABANDONED MONITORING WELL
- SURVEY BENCHMARK
- TREELINE
- EROSION RILL (APPROXIMATE LOCATION)

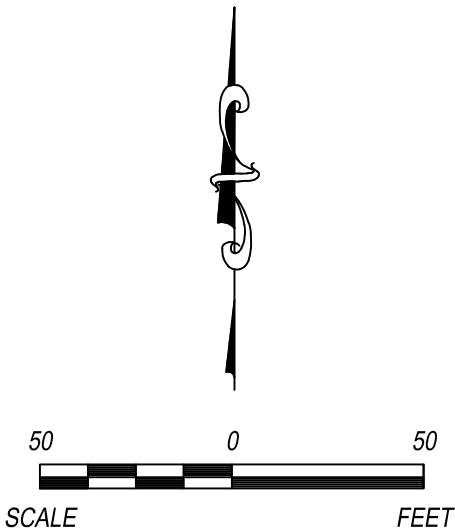
NOTE:
1) EXISTING TOPOGRAPHY IS A COMPOSITE OF SURVEY PERFORMED BY TD2 ENGINEERING AND SURVEYING ON JUNE 9, 2026 AND HISTORICAL SURVEY DATA PROVIDED BY EVORA CONSULTING.



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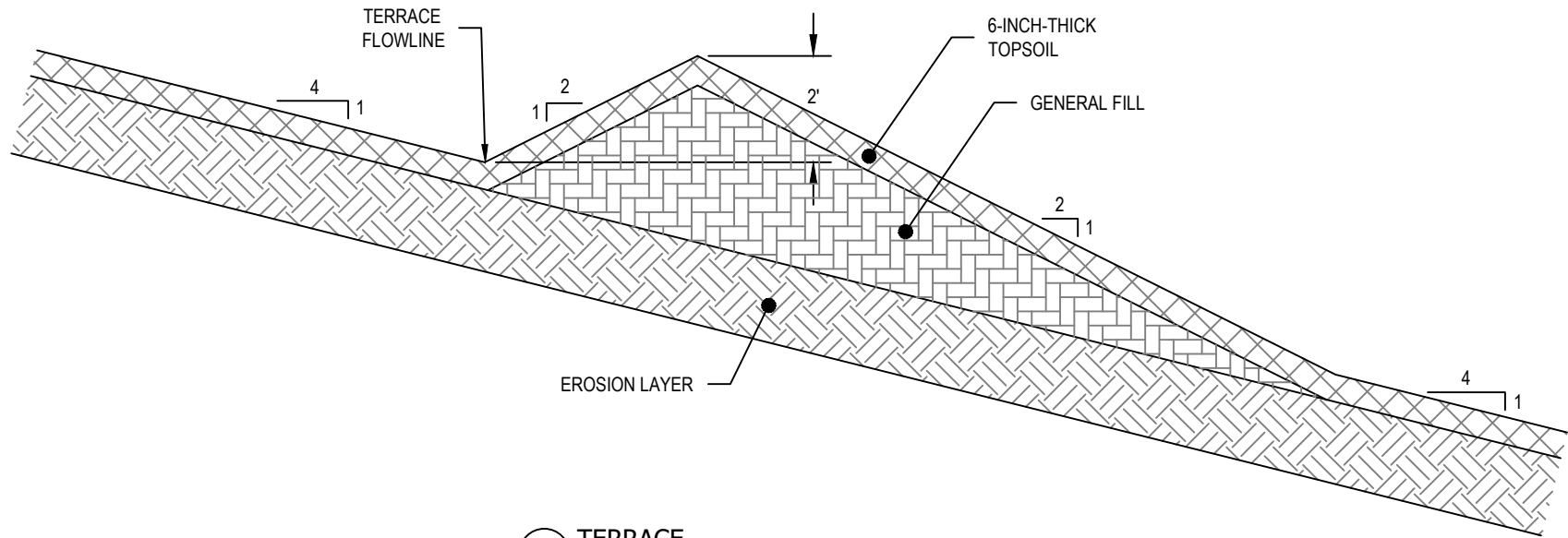
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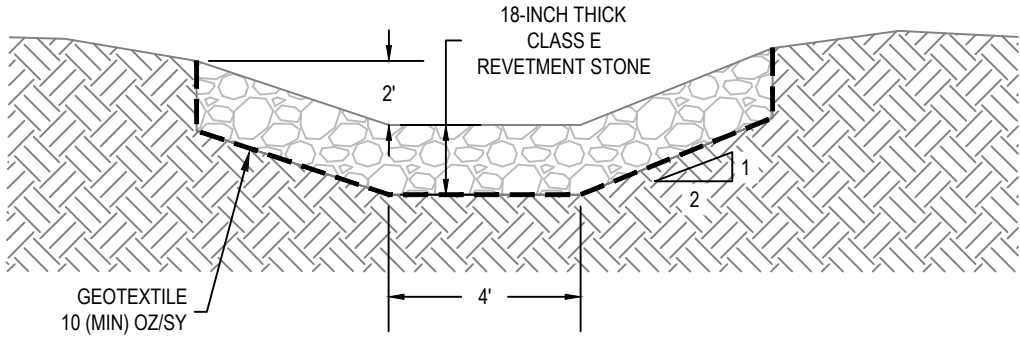


DRAWING NO. 2	DATE 6/29/26	CADD FILE: ANDERSON REPAIR PLAN.DWG	SCS ENGINEERS 1680 ALL STATE COURT, SUITE 100 WEST DES MOINES, IA 50265 PH. (515) 631-6160				CLIENT ANDERSON EXCAVATING COMPANY 192 MCKENSIE CIRCLE COUNCIL BLUFFS, IOWA 51501	SHEET TITLE PROPOSED EROSION CONTROL		REV.	DATE	CK BY
			PROJECT TITLE COUNCIL BLUFFS C&D LANDFILL FINAL COVER REPAIR PLAN									
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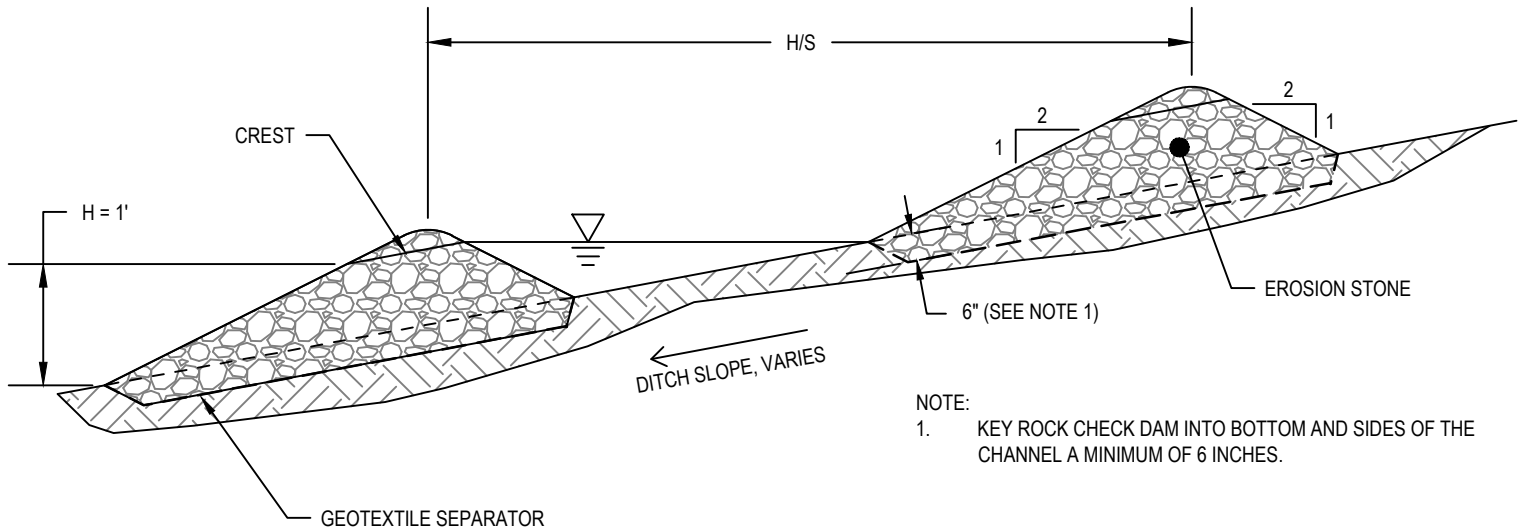


1 TERRACE
Not to Scale



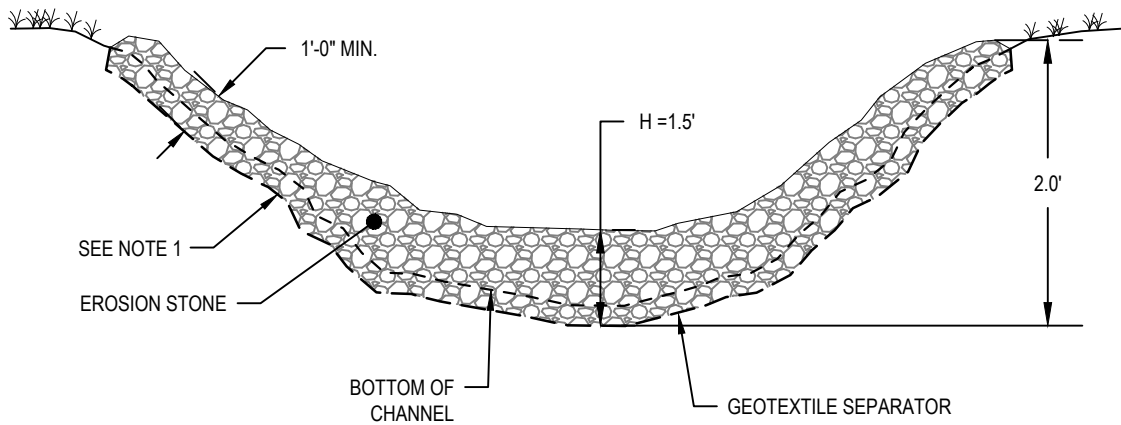
NOTE:
1. SEE IOWA DOT SECTION 4130 FOR REVETMENT STONE CLASSES AND SPECIFICATIONS

2 STONE LETDOWN
Not to Scale



NOTE:
1. KEY ROCK CHECK DAM INTO BOTTOM AND SIDES OF THE CHANNEL A MINIMUM OF 6 INCHES.

PROFILE VIEW



SECTION VIEW

3 ROCK CHECK DAM
Not to Scale

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SHEET TITLE	PROJECT TITLE
DETAILS	COUNCIL BLUFFS C&D LANDFILL FINAL COVER REPAIR PLAN

CLIENT	SCS ENGINEERS
ANDERSON EXCAVATING COMPANY 192 MCKENSIE CIRCLE COUNCIL BLUFFS, IOWA 51501	1600 ALL STATE COURT, SUITE 100 WEST DES MOINES, IA 50265 PH: (515) 831-6160

PROJ. NO.	DWN. BY	CHK. BY	PRJ. MGR.	SAM
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CADD FILE:	DATE:	DRAWING NO.
ANDERSON REPAIR PLAN.DWG	7/17/26	3

Attachment A - Photos

Anderson Excavating C&D Landfill
SCS Engineers Project #27226025.00



Photo 1: Woody vegetation and erosion rills in the southeast corner of the closure area.

Date: 3/27/2025

Direction: Southeast



Photo 2: Woody vegetation and Erosion rill on the east sideslope.

Date: 4/7/2026

Direction: East

Anderson Excavating C&D Landfill
SCS Engineers Project #27226025.00



Photo 3: Woody vegetation in northern portion of the east closure sideslope.

Date: 6/9/2026

Direction: Northeast



Photo 4: Woody vegetation in the southeast corner of the closure area.

Date: 6/9/2026

Direction: West