



Closure Plan

Alma Offsite Disposal Facility, Phase IV Landfill Alma, Wisconsin

October 2016

*Prepared For
Dairyland Power Company*


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Section 1

Introduction

This Closure Plan (Plan) was prepared by TRC Environmental Corporation (TRC) on behalf of Dairyland Power Cooperative (DPC) for the Alma Off-Site Disposal Facility, Phase IV Landfill (Landfill) where coal combustion residuals (CCR) are disposed. The approximately 32.1 acres Landfill is located in Sections 18 and 19, T21N, R12W, Town of Belvidere, Buffalo County, Wisconsin. DPC owns and operates the Landfill in compliance with the Plan of Operation (RMT 2000) as permitted by the Wisconsin Department of Natural Resources (WDNR).

This Plan meets the closure requirements of the U.S. Environmental Protection Agency's (USEPA) CCR Rule, Title 40 Code of Federal Regulations (40 CFR) Parts 257 and 261 Subpart D - "Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments." The Landfill is considered an existing CCR landfill according to the CCR rule (40 CFR 257.53).

DPC plans to close the Landfill by leaving the CCR in place upon completion of CCR placement. The landfill is operated by moisture conditioning CCR, placing, and compacting the waste in the active area. Final cover will be installed in phases as portions of the Landfill reach the design top of CCR grades. The landfill has a design waste capacity of 3,011,000 cubic yards. Based on the phasing in the Plan of Operation (RMT 2000), the largest proposed active area for the Landfill is approximately 12.4 acres. For the planned closure condition, 4 acres of final cover will be installed over the remaining active area of the landfill. Based on the available capacity and current filling at the Landfill, it is anticipated that closure will be initiated in 2030. This closure date is subject to change based on potential changes in volume of CCR accepted at the site.

Section 2

Closure Plan

2.1 Initiation of Closure Activities

The owner or operator of the CCR unit shall initiate closure no later than 30 days after the date on which the CCR unit either receives the known final receipt of waste or removes the known final volume of CCR for beneficial use in accordance with 40 CFR 257.102(e). Closure shall also be commenced if the unit has not received waste or is no longer removing CCR for beneficial use within two years of last receipt of waste or last removal for beneficial use. The owner or operator may secure additional time so long as they are able to demonstrate that there is reasonable likelihood that the unit will accept waste or remove CCR in the foreseeable future. Demonstration must be placed in the operating record every two years following 40 CFR 257.102(e)(2)(ii and iii).

No later than the date of initiating closure, the owner or operator must prepare a notification of intent to close the Landfill including the certification of a qualified professional engineer for the final cover system design as required by 40 CFR 257.102(d)(3)(iii).

Closure activities have been initiated if the owner or operator has ceased placing waste and completes one of the following activities:

- Taken steps necessary to implement the written closure plan,
- Submitted a completed application for required state or agency permit or modification, or
- Taken steps necessary to comply with state or other agency standards that are pre-requisite to initiating or completing closure.

2.2 Closure Performance Standard

The owner or operator of the Landfill will close the CCR unit in a manner that controls post-closure infiltration of liquids into the waste, releases of waste, and leachate or contaminated run-off to groundwater or surface water and preclude the probability of impoundment of water, sediment, or slurry. Measures will be included that provide slope stability which will prevent movement of the final cover system during closure and post-closure. Need for further maintenance of the CCR unit will be minimized. The CCR unit closure should be completed in the shortest amount of time consistent with recognized and generally accepted engineering practices and be done in accordance with 40 CFR 257.102.

2.3 Final Cover System

Closure of the Landfill will occur by leaving the CCR in place, which requires the construction of a final cover system compliance with 40 CFR 257.102(d). The final cover system shall meet the following requirements:

- The hydraulic conductivity of the final cover must be less than or equal to 1×10^{-5} centimeters per second (cm/s), or less than or equal to the hydraulic conductivity of the bottom liner system or natural subsoils present, whichever is less.
- An infiltration layer of at least 18 inches of earthen material.
- An erosion layer of at least six inches of earthen material that is capable of sustaining native plant growth.
- The final cover system must be designed to minimize impacts due to settling and subsidence.

The Landfill will be closed using a composite final cover system consisting from bottom to top of:

- A 6 inch thick soil grading layer and geosynthetic clay liner (GCL) or a 2-foot-thick select CCR layer (barrier layer),
- a 40-mil textured linear low density polyethylene (LLDPE) geomembrane (barrier layer),
- a 12-inch-thick select granular fill drainage layer,
- an 18-inch-thick general fill rooting layer (infiltration layer), and
- a 6-inch-thick topsoil layer (erosion layer).

This final cover system provides a total of 3 feet of soil above the geosynthetics. The function of each component of the final cover system is provided in parentheses above. The barrier layer consists of a GCL or 2 feet of compacted select CCR and a 40-mil geomembrane which exceeds the hydraulic conductivity criteria of 1×10^{-5} cm/s. The landfill was constructed with a composite liner system; therefore, a composite final cover system provides an equivalent hydraulic conductivity. The granular fill drainage layer removes water that infiltrates through the erosion and infiltration layers. The infiltration layer and erosion layer meet the requirements of the CCR rule. This final cover system meets the requirements of 40 CFR 257.102(d)(3)(i).

Following placement of final cover and the surface water control features, the area will be fertilized, seeded, and mulched in order to establish vegetation.

The final cover system has design slopes of 25 percent, refer to Sheet 12 from the Plan of Operation in Appendix A. Because the waste is placed and compacted with control of the moisture conditions and the stability of CCR, significant settlement is not anticipated. Global

stability of the Landfill and interface stability of the final cover system were evaluated in the Plan of Operation (RMT 2000) with resulting factors of safety that meet the CCR rule. Based on these considerations, the Landfill closure has been designed in a manner to minimize or eliminate infiltration into the waste, preclude the probability of future impoundment of water, provide stable slopes, and minimize future maintenance.

2.3.1 Final Cover Construction

The final cover system will be constructed in phases as the top-of-waste grades are achieved to minimize the active area of the Landfill and leachate generation. After final CCR placement in the Landfill, the remaining portion of the final cover system will be constructed. Surface water control features on this segment of the final cover will be constructed and connected with the existing surface water control features.

The final cover will be constructed by fine grading the waste subbase, placing the grading layer and GCL or placing and compacting the 2 foot thick select CCR material, deploying and installing the 40-mil thick textured geomembrane, placing the granular drainage layer, placing the general fill rooting layer, and placing the topsoil layer. A schedule estimate of closure activities is presented in Table 1. It is anticipated that closure construction can be completed within the timeframe required in 40 CFR 257.102(f)(i).

Fine Grading the Waste Subbase

The waste subbase will be fine graded and leveled using heavy equipment to provide a surface for the placement of the grading layer and GCL or the select CCR.

Grading Layer and GCL

The grading layer material will consist of fill soil with a maximum allowable clump and stone size of two inches. The grading layer will have a minimum thickness of six inches measured vertically from the cover surface. The grading layer will provide suitable subgrade for the GCL.

The GCL will be deployed above the grading layer such that there is a minimum of 6-inches of overlap on longitudinal seams and a minimum of 24-inches overlap on end seams or as recommended by the manufacturer, whichever is greater. The panels will be placed with the overlap on both longitudinal and end seams shingled down-slope. If the GCL requires granular bentonite to be placed along the seam, the overlapping panel edge will be

pulled back and granular sodium bentonite will be poured continuously along all seams, at an application rate of ¼ pound per linear foot.

The GCL will be tested during manufacturing, and prior to installation. The results of manufacturer's testing will be submitted to the engineer for review and approval prior to the acceptance of GCL. Samples from selected rolls delivered to the site will also be collected for conformance testing prior to acceptance and installation.

Select CCR Layer

The select CCR layer will be moisture conditioned and compacted according to the construction specifications. The compaction of the select CCR material will be observed by the engineer's representative that is documenting construction. The select CCR layer will have a minimum thickness of two feet measured vertically from the cover surface.

40-mil LLDPE Geomembrane

If GCL is used, the LLDPE geomembrane will be deployed at a rate equivalent to that of the GCL deployment rate such that the GCL panels will be covered daily to prevent against physical damage and/or hydration of the GCL. The geomembrane will be fabricated from a polyethylene resin, which will have a density range of 0.939 g/cc or less for LLDPE. The nominal geomembrane thickness will be 40 mils for LLDPE, with no thickness measurements falling below the minimum industry-accepted manufacturing tolerance.

The geomembrane will be installed with the panels orientated perpendicular to the contours (i.e., running up and down the slope). The geomembrane will be deployed in a manner that does not adversely impact the barrier material below the geomembrane.

Geomembrane panels will be seamed in the field. Production seaming (linear seams) will be performed using the dual hot wedge (fusion type) seam method. Non-production seams (detail work and repairs) will be performed using the extrusion fillet weld process. Corners, butt seams, and long repairs will be fusion-welded where possible. The geomembrane component of the adjacent cell will be welded together for a continuous membrane surface.

The geomembrane will be tested during manufacturing, and prior to and during installation. The results of the manufacturer's testing will be submitted

for review and approval prior to the acceptance of geomembrane rolls delivered to the site. Samples from selected rolls delivered to the site will also be collected for conformance testing by a third-party laboratory prior to acceptance and installation. Finally, during placement, both nondestructive and destructive testing of the geomembrane seams will be performed. Nondestructive testing will be performed by the installation contractor and observed by a third party. Destructive testing will consist of both field and third-party laboratory testing of the samples collected

Granular Drainage Layer

After placement and testing of the geomembrane, or portions thereof, a 12-inch-thick select granular fill drainage layer will be placed as soon as practicable to protect the geomembrane and to provide a confining pressure for the underlying GCL, if used. At a minimum, the select granular fill will be placed within 30 days of completing the membrane installation and quality assurance testing.

To minimize the potential for large wrinkles in the geomembrane, the drainage layer will be placed during cooler temperatures when possible. Wrinkles in the geomembrane that are higher than they are wide, will be smoothed or cut out and repaired prior to placing the drainage layer.

The initial lift of select granular fill will be 2 to 3 feet thick, depending on the type of equipment being used, to provide an access ramp. A minimum of 2 feet of material will be placed prior to operating tracked vehicles and flotation tire-equipped vehicles, while a minimum of 3 feet of material will be placed prior to operating trucks and other wheeled hauling equipment. The initial lifts of select granular fill will eventually be graded to the designed 1-foot-thick layer with a low ground pressure (< 5 psi) tracked vehicle. The procedure for deployment of the granular drainage blanket will be established at the preconstruction meeting.

General Fill Rooting Layer

A 12-inch-thick uncompacted general fill rooting layer will be placed above the drainage layer in a single lift. The general fill rooting layer will provide a rooting zone for vegetation, and will protect the cap from damage due to freeze-thaw and desiccation.

Topsoil and Vegetation

The top layer of the final cover system will be a 6-inch-thick layer of topsoil. Topsoil stripped from the landfill and perimeter areas during site preparation will be stockpiled and reused in the final cover. After topsoil is placed, the area will be seeded, mulched, and fertilized. Prior to seeding, the topsoil layer will be prepared for seeding by disking and pulverizing soil within 2 inches of the surface.

DPC has established prairie vegetation on previously constructed phases of final cover with good performance. The prairie vegetation is suitable to soil quality/thickness, and slopes and moisture conditions, with minimal need for continuous maintenance. This prairie vegetation is planned for use in future final cover construction events. Erosion control measures will be installed as needed across the site to limit erosion prior to establishing vegetation.

2.3.2 Storm Water Control Features

Storm water control features will be constructed and/or completed for each phase of final cover construction. Storm water control features consist of diversion berms, a downslope flumes, and energy dissipaters. These storm water control features on the final cover deliver water to perimeter ditches, sedimentation basins, and sediment traps that were constructed during liner construction of the various cells. The storm water control features will be constructed in accordance with the specifications and details presented in the Plan of Operation (RMT 2000), refer to Appendix A for relevant plan sheets from the Plan of Operation. These features are designed to manage runoff from 100-year 24-hour storm events and minimizing scour and erosion of the final cover. Additional details on the storm water control features are provided in the Run-On and Run-Off Control Systems Plan (TRC 2016).

2.4 Completion of Closure Activities

Within 30 days of completion of closure activities the owner or operator shall prepare a notification of closure of a CCR unit with a certification from a qualified professional engineer that the closure has been performed in accordance with this Plan.

Per 40 CFR 257.102(i) the owner or operator must record a notation on the deed to the property, or some other instrument that is normally examined during title search, that the land has been used for a CCR unit and that it is restricted under the post-closure care requirements as provided in 40 CFR 257.104(d)(1)(iii).

2.5 Amendment of a Written Closure Plan

The owner or operator may amend the initial or subsequent written closure plan developed above whenever:

- There is a change in the operation of the Landfill that would substantially affect the plan in effect, or
- Before or after closure activities have commenced, unanticipated events necessitate a revision.

The closure plan must be amended at least 60 days prior to a planned change in operation of the Landfill, or no later than 60 days after an unanticipated event occurs that requires the need to revise an existing closure plan. If a written closure plan is revised after closure activities have commenced for the Landfill, the current closure plan must be amended no later than 30 days following the triggering event.

Section 3

Notification

3.1 Operating Record

The following items will be maintained in the operating record for a minimum of five years:

- 40 CFR 257.105(i)(4): the most recent written closure plan or amendment of the Plan must be maintained for the life of the operating record
- 40 CFR 257.105(i)(7): the notification of intent to close a CCR unit
- 40 CFR 257.105(i)(8): the notification of completion of closure of a CCR unit
- 40 CFR 257.105(i)(9): the notification of recording a notation on the deed

3.2 Notification Requirements

The following required notifications will be provided before the close of business on the day the notification is required to be completed:

- 40 CFR 257.106(i)(4): a notification of the available written closure plan or amendment of the Plan
- 40 CFR 257.106(i)(7): the notification of intent to close a CCR unit
- 40 CFR 257.106(i)(8): the notification of completion of closure of a CCR unit
- 40 CFR 257.106(i)(9): the notification of recording a notation on the deed

3.3 Publicly Accessible Internet Site

The following required items will be posted on the publically accessible internet site within 30 days of placing the information in the operating record:

- 40 CFR 257.105(i)(4): the most recent written closure plan or amendment of the Plan must be maintained for the life of the operating record
- 40 CFR 257.107(i)(7): the notification of intent to close a CCR unit
- 40 CFR 257.107(i)(8): the notification of completion of closure of a CCR unit
- 40 CFR 257.106(i)(9): the notification of recording a notation on the deed

Information should be posted within 30 days of placing the pertinent information required by 40 CFR 257.105 in the operating record. Records will be made available to the public for at least five years following the date on which the information was posted to the internet site.

Additional postings to the operating record, notifications, and postings to the publically accessible internet site may be needed if extensions under 40 CFR 257.102e(2)(ii) or 40 CFR 257.102(f)(2) are pursued.

Section 4 References

RMT, Inc. 2000. Plan of Operation: Phase IV Disposal Area, Alma Off-site Ash Disposal Facility, Town of Belvidere, Buffalo County, Wisconsin. October 2000.

TRC Environmental Corporation. 2016. Run-On and Run-Off Control Systems Plan. October 2016.

Section 5

Engineer's Certifications

Pursuant to 40 CFR 257.102 and by means of this certification I attest that:

- (i) I am familiar with the requirements of the CCR rule (40 CFR 257);
- (ii) this Closure Plan has been prepared in accordance with good engineering practice;
- (iii) the design of the final cover system meets the requirements of 40 CFR 257.102(d)(3); and
- (iv) this Closure Plan meets the requirements of 40 CFR 257.102.

For the purpose of this document, "certify" and "certification" shall be interpreted and construed to be a "statement of professional opinion." The certification is understood and intended to be an expression of my professional opinion as a Wisconsin licensed professional engineer, based upon knowledge, information, and belief. The statement(s) of professional opinion are not and shall not be interpreted or construed to be a guarantee or a warranty of the analysis herein.



Signature of Registered Professional Engineer

Registration No. 42745-6

State: Wisconsin



Table 1
 Schedule Estimate for Completing Closure
 Closure Plan – Alma Offsite Disposal Facility, Phase IV Landfill

CLOSURE AREA: 4 ACRES - REMAINING PORTION OF FINAL COVER IN PLAN OF OPERATION PHASING PLANS			
TASK/MILESTONE	START DATE ⁽¹⁾	DURATION	ESTIMATED END DATE
Intent to Initiate Closure Notification to WDNR	1/1/2030	--	1/1/2030
Intent to Initiate Closure for the CCR Rule	3/15/2030	--	3/15/2030
Fine Grading Waste	4/15/2030	20 days	5/5/2030
Select CCR Placement and Compaction ⁽²⁾	5/6/2030	30 days	6/5/2030
Geomembrane Deployment and Installation	6/6/2030	15 days	6/21/2030
Granular Drainage Layer Placement	6/22/2030	15 days	7/7/2030
General Fill Rooting Zone Placement	7/8/2030	20 days	7/28/2030
Topsoil Placement and Seeding	7/29/2030	10 days	8/8/2030
Notification of Closure	9/1/2030	--	9/1/2030
Deed Notation and Notification	10/1/2030	--	10/1/2030
Total Duration:		110 days⁽³⁾	

Footnotes:

- (1) Start date based on assumed beginning of 2030 construction season. Closure construction may be shifted to different years based on rate of filling.
- (2) Timeframe for the select CCR placement and compaction was used since this cover option has a longer timeframe as compared to installing a 6 inch grading layer and GCL.
- (3) Total duration provided in time to substantial completion. At this point, the CCR has been covered and the vegetation seed and temporary erosion control has been applied. Emergence and establishment of vegetation may require additional time.

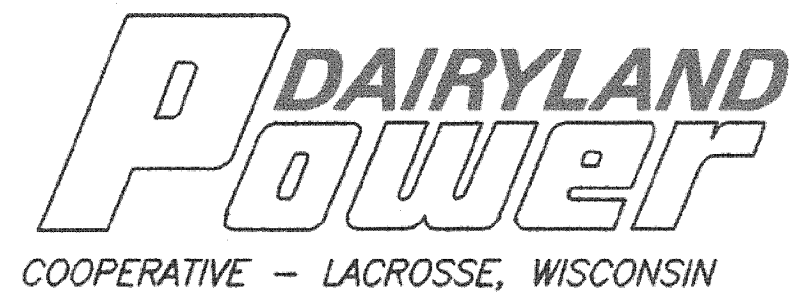
Created By: J. Hotstream
 Checked By: S. Sellner

Appendix A

Engineering Drawings

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- Plan of Operation – Title Sheet (Sheet 1)
- Plan of Operation – Final Grades (Sheet 12)
- Plan of Operation – Details – Final Cover (Sheet 19)
- Cell 3B Liner Construction and Area C (Over Cells 1 and 2)
Final Cover Construction – Details (Sheets 12 and 13)



DAIRYLAND POWER COOPERATIVE

PLAN OF OPERATION PHASE IV DISPOSAL AREA ALMA OFF-SITE ASH DISPOSAL FACILITY

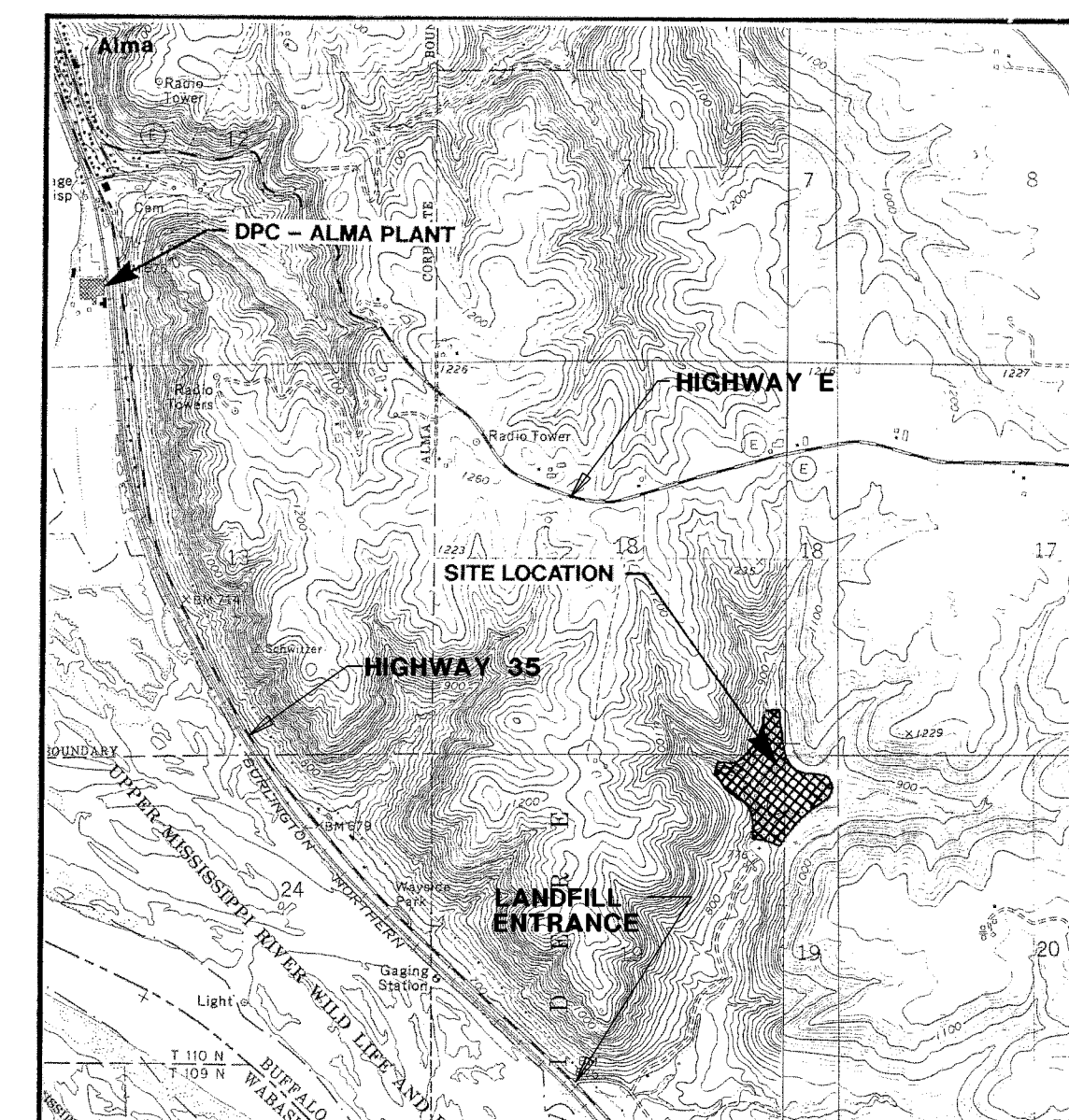
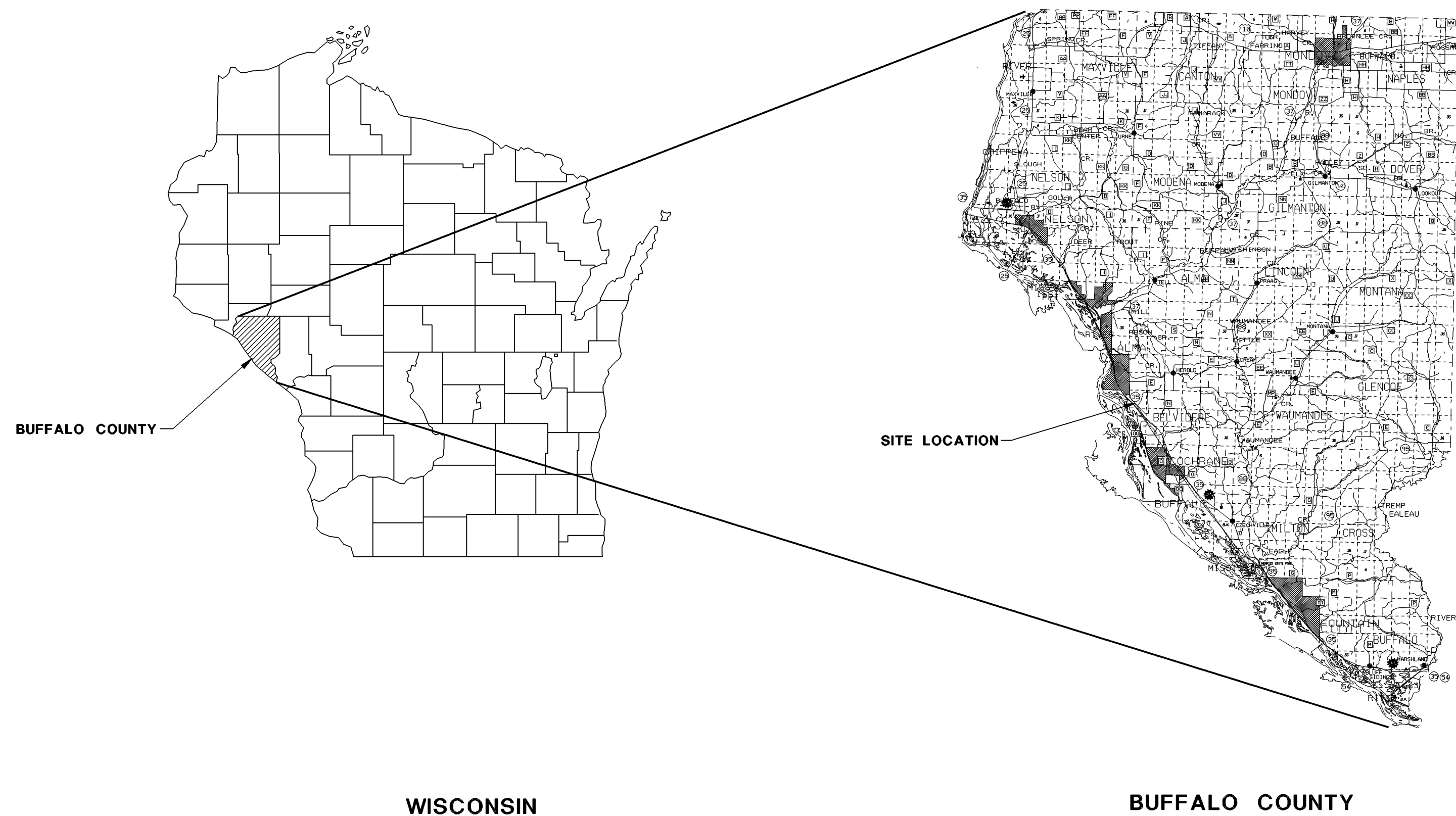
**PREPARED FOR: DAIRYLAND POWER COOPERATIVE
LACROSSE, WISCONSIN**

INDEX

**PREPARED BY: RMT, INC.
MADISON, WISCONSIN**

DATE: OCTOBER 2000

SHEET NUMBER	SHEET TITLE
1	TITLE SHEET/INDEX
2	STANDARD LEGEND AND NOTES
3	EXISTING CONDITIONS MAP
4	PROPOSED SUBBASE GRADES
5	PROPOSED BASE GRADES
6	PHASING PLAN- CELL 1 ACTIVE
7	PHASING PLAN- CELL 1 CLOSED CELL 2A ACTIVE
8	PHASING PLAN- CELL 1 AND 2A CLOSED CELL 2B ACTIVE
9	PHASING PLAN- CELL 1, 2A, AND 2B CLOSED CELL 3 ACTIVE
10	PHASING PLAN- CELL 1, 2A, 2B AND 3 CLOSED CELL 4A ACTIVE
11	PHASING PLAN- CELL 1, 2A, 2B, 3 AND 4A CLOSED CELL 4B ACTIVE
12	PROPOSED FINAL GRADES
13	PROPOSED ENVIRONMENTAL MONITORING PLAN
14	LONG TERM CARE PLAN
15	ENGINEERING CROSS SECTIONS 171700N AND 172200N
16	ENGINEERING CROSS SECTIONS 1477340E AND 1477710E
17	DETAILS- LINER AND COLLECTION PIPES
18	DETAILS- LEACHATE STORAGE TANK AND MANHOLE
19	DETAILS- FINAL COVER
20	DETAILS- DOWNSLOPE FLUMES
21	DETAILS- DOWNSLOPE FLUMES
22	DETAILS- SEDIMENTATION BASINS
23	DETAILS- MISCELLANEOUS

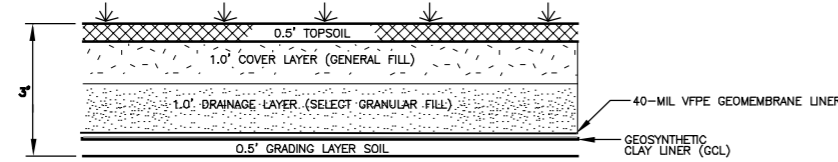


MAP SOURCE: U.S.G.S. CREAM AND ALMA 7.5' QUADRANGLES, DATE 1974.

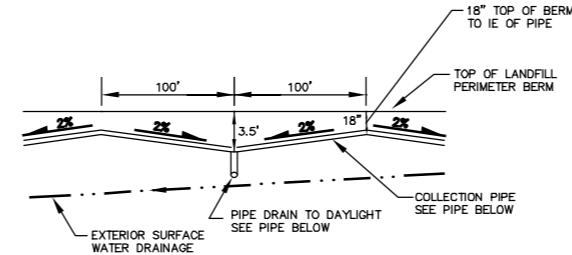
SITE LOCATION

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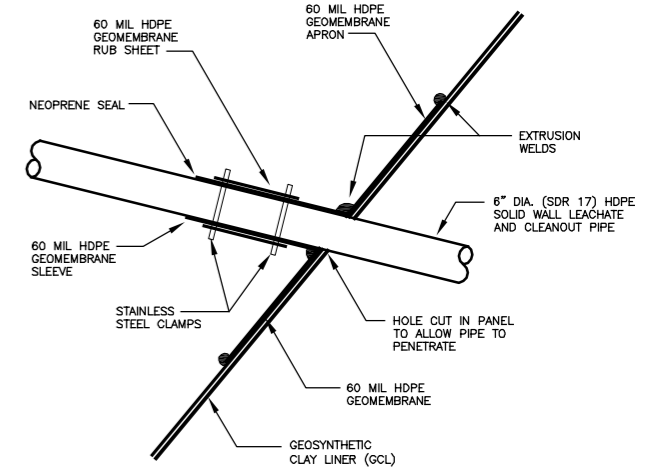




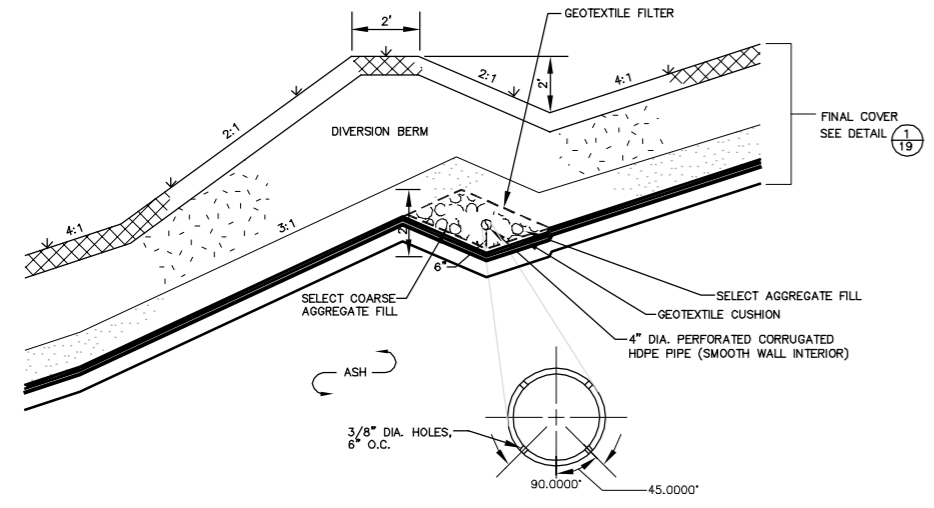
1
19 **FINAL COVER**
(NOT TO SCALE)



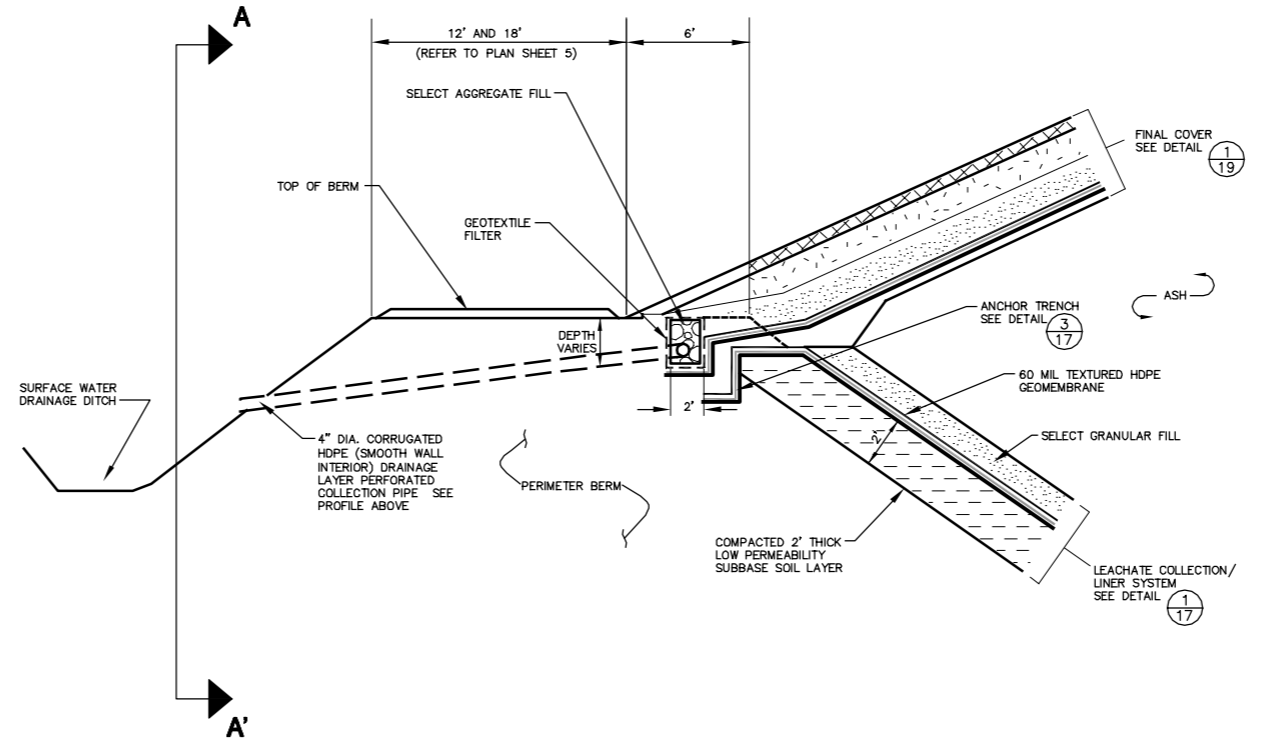
SECTION A-A' OF FINAL COVER DRAINAGE LAYER
NOTE: IN AREAS WHERE THE TOP OF BERM SLOPES, THE COLLECTION PIPE WILL FOLLOW THE SAME SLOPE AS THE TOP OF BERM AND WILL OUTLET THROUGH DISCHARGE PIPES LOCATED AT SPECIFIED INTERVALS. REFER TO PLAN SHEET 12.



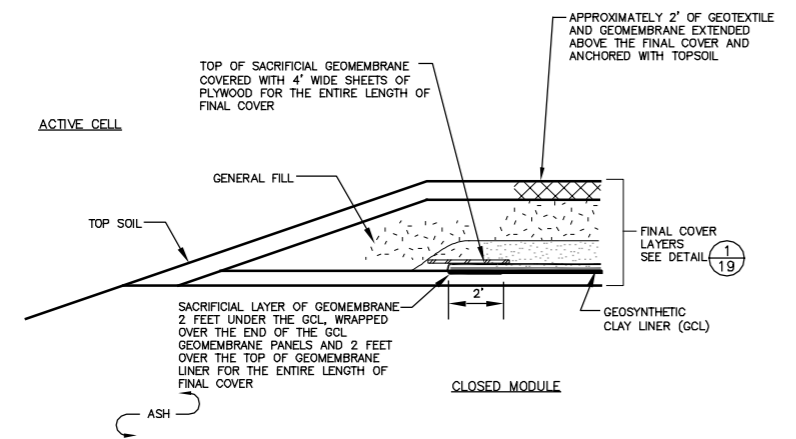
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19 **PIPE BOOT- PIPES PENETRATING THROUGH FINAL COVER AND LOW PERMEABILITY LAYER (TYPICAL)**
(NOT TO SCALE)



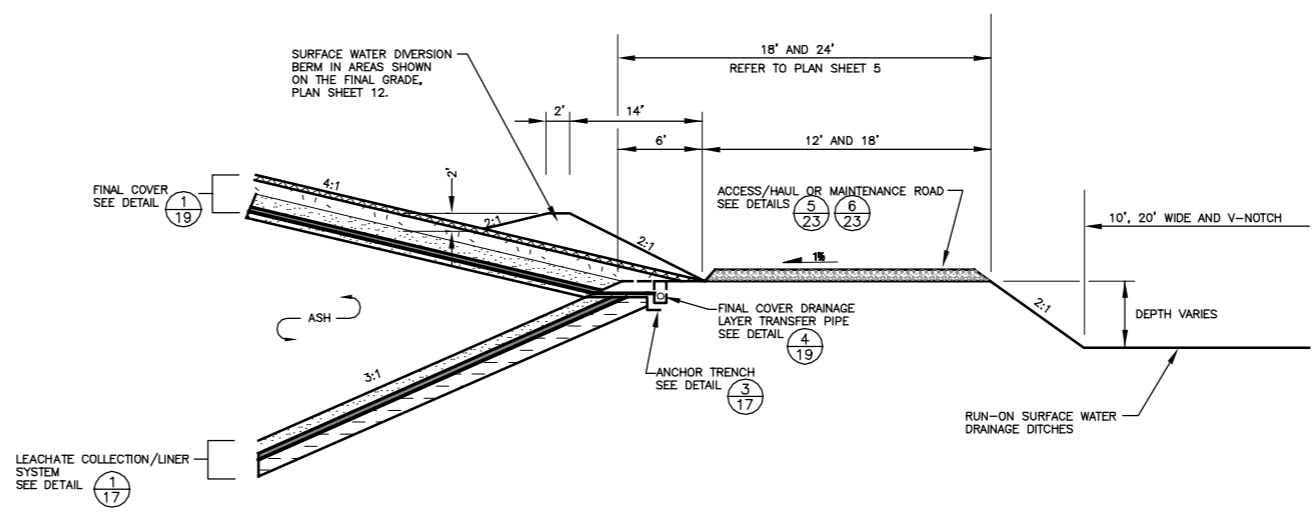
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19 **SURFACE WATER DIVERSION BERM ON FINAL COVER (TYPICAL)**
(NOT TO SCALE)



4
19 **PERIMETER BERM FINAL COVER DRAINAGE LAYER DISCHARGE PIPE (TYPICAL)**
(NOT TO SCALE)



3
19 **CONSTRUCTION OF FINAL COVER FOR SPLICING FUTURE FINAL COVER**
(NOT TO SCALE)



5
19 **LANDFILL PERIMETER BERM AND SURFACE WATER DRAINAGE DITCHES (TYPICAL)**
(NOT TO SCALE)

LINE AND SHADING LEGEND

---	GEOTEXTILE	---	GEOMEMBRANE
-----	GEOCOMPOSITE	---	GEOSYNTHETIC CLAY LINER (GCL)
XXXXXX	TOPSOIL	XXXXXX	NATIVE SOIL
.....	SELECT GRANULAR FILL DRAINAGE LAYER	CONCRETE
.....	PIPE BEDDING MATERIAL	RIPRAP
.....	SELECT AGGREGATE FILL	GRAVEL
.....	COMPACTED SELECT LOW PERMEABILITY SOIL	GENERAL FILL

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3.				
2.				
1.				
NO.	BY	DATE	REVISION	APP'D.

PROJECT: **DAIRYLAND POWER COOPERATIVE PLAN OF OPERATION BUFFALO COUNTY, WISCONSIN**

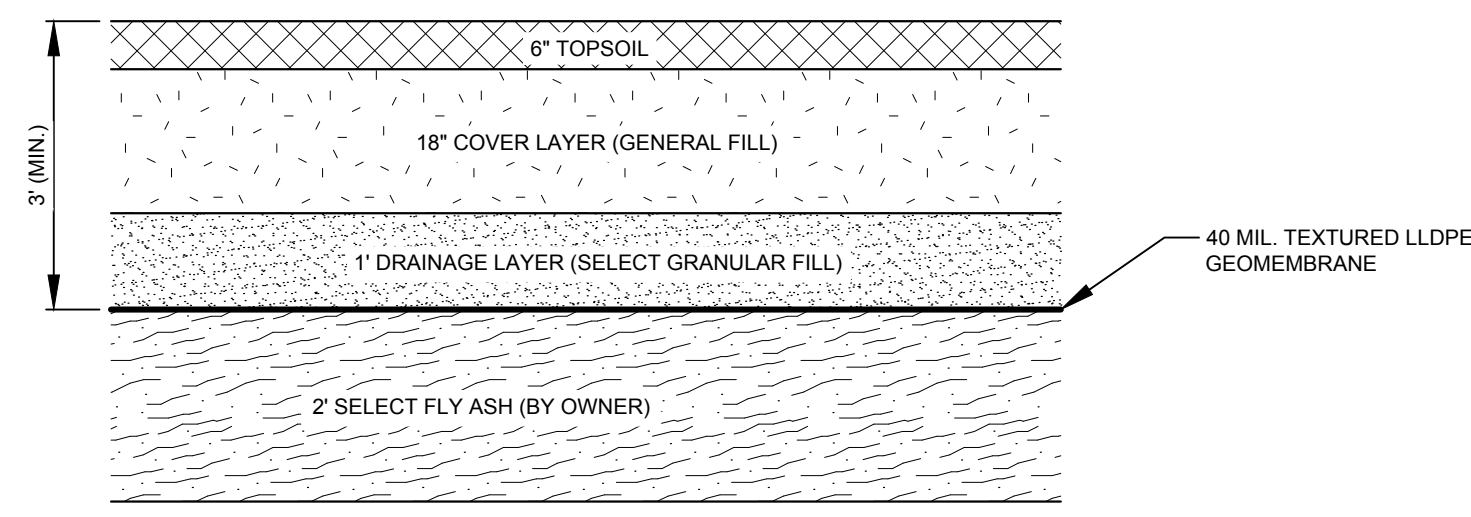
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APPROVED BY: BJK		SHEET 19 OF 23
DATE: OCTOBER 2000		

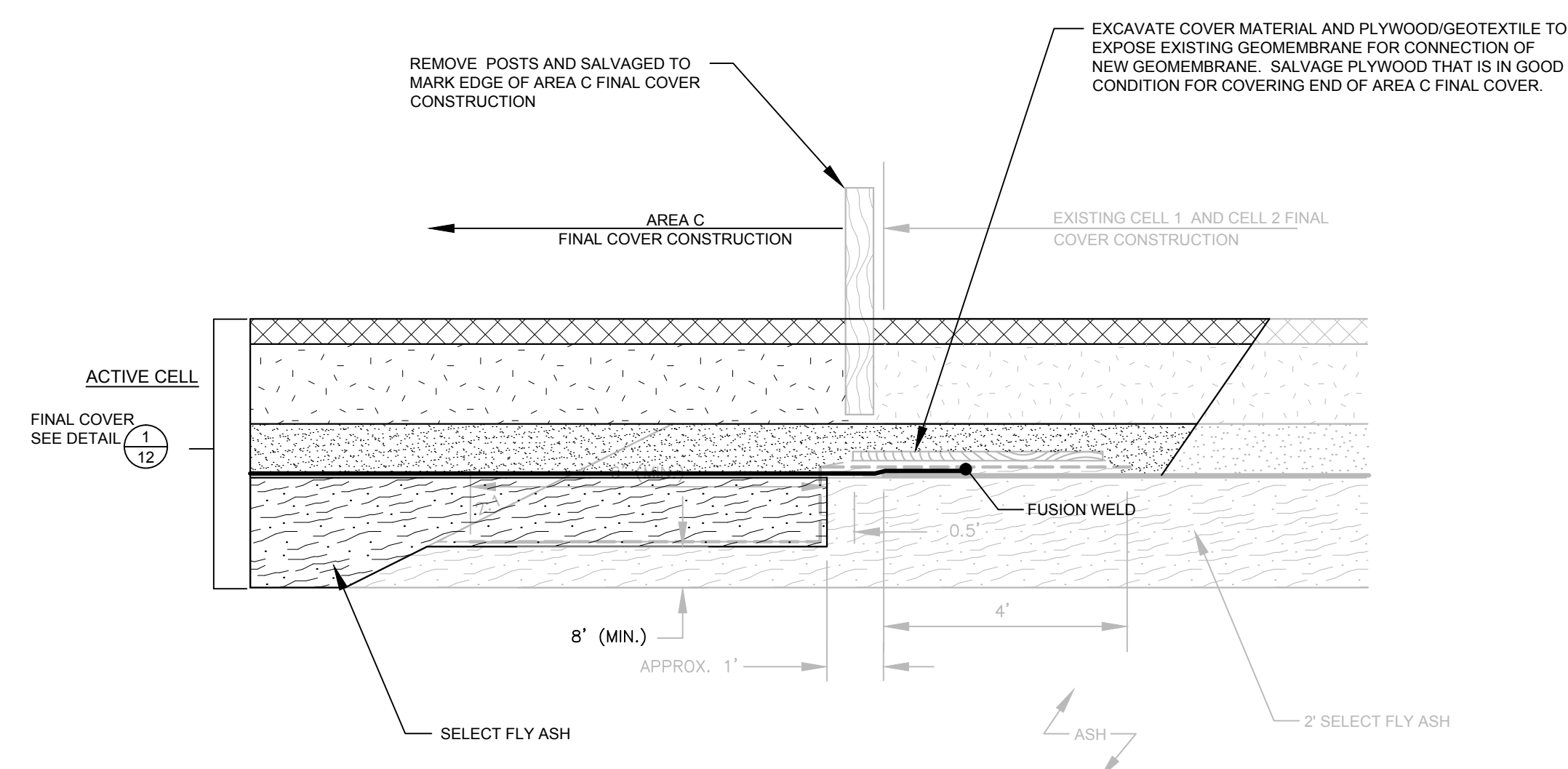
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RMT
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923
Madison, WI 53708-8923
Phone: 608/831-4444

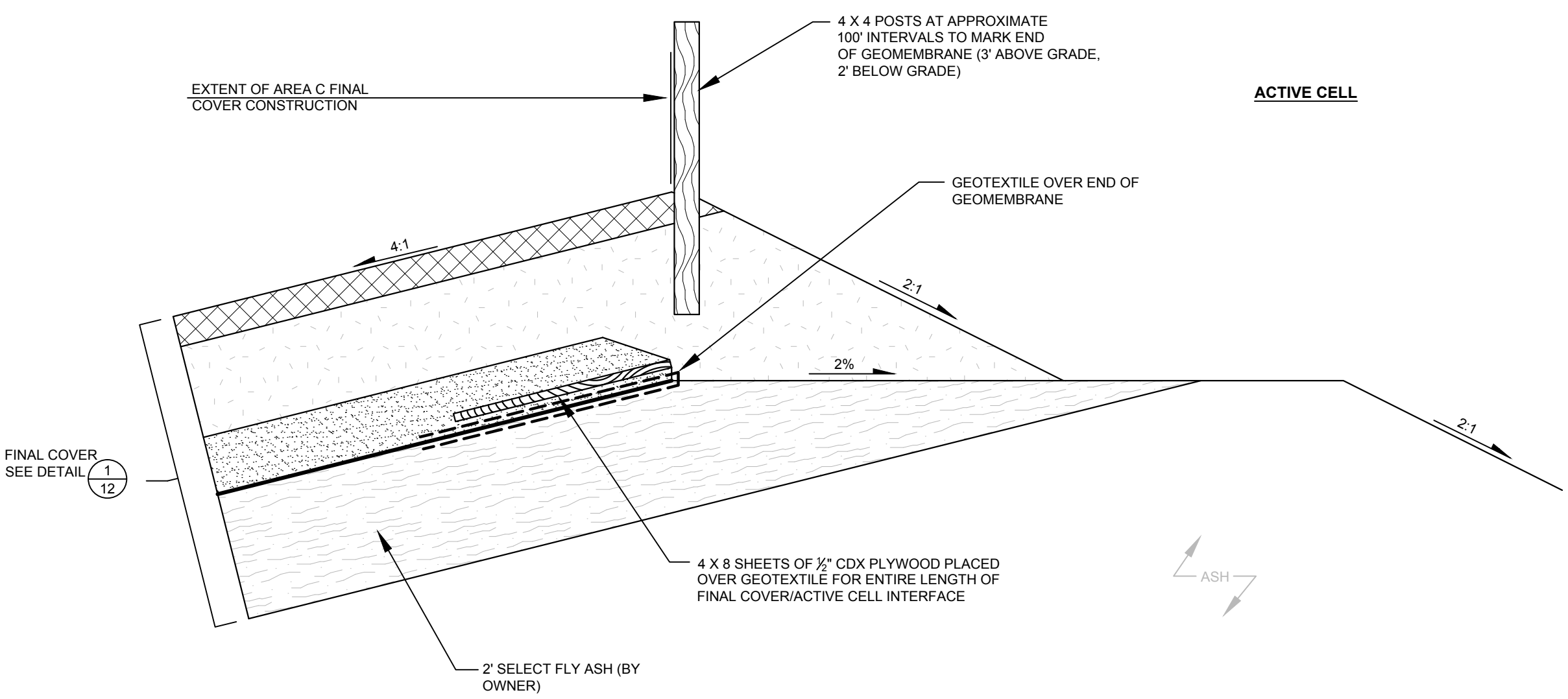
RMT COMPUTER AIDED DESIGN & DRAWING
 8300 WISCONSIN AVENUE, SUITE 100, MADISON, WI 53717
 PHONE: 608/831-4444 FAX: 608/831-4445
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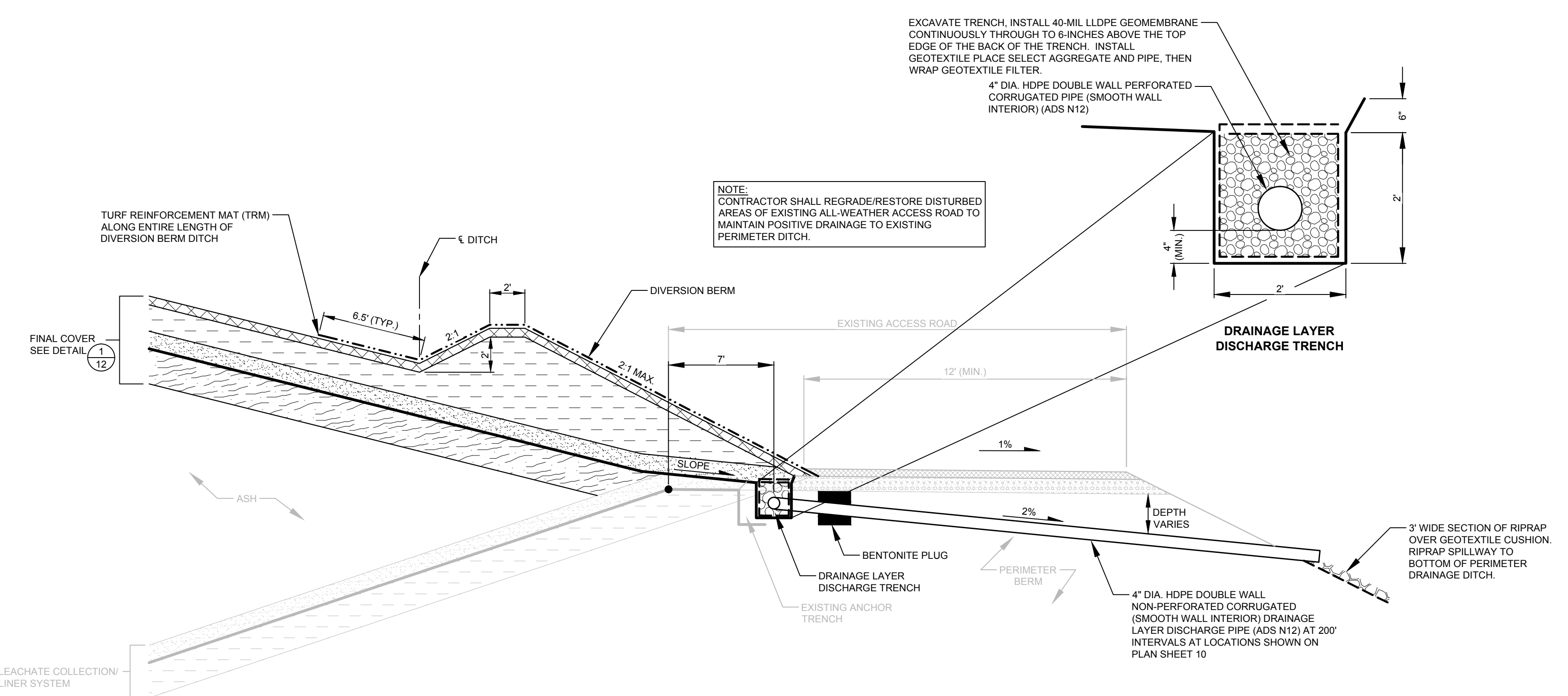
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12 FINAL COVER (NOT TO SCALE)



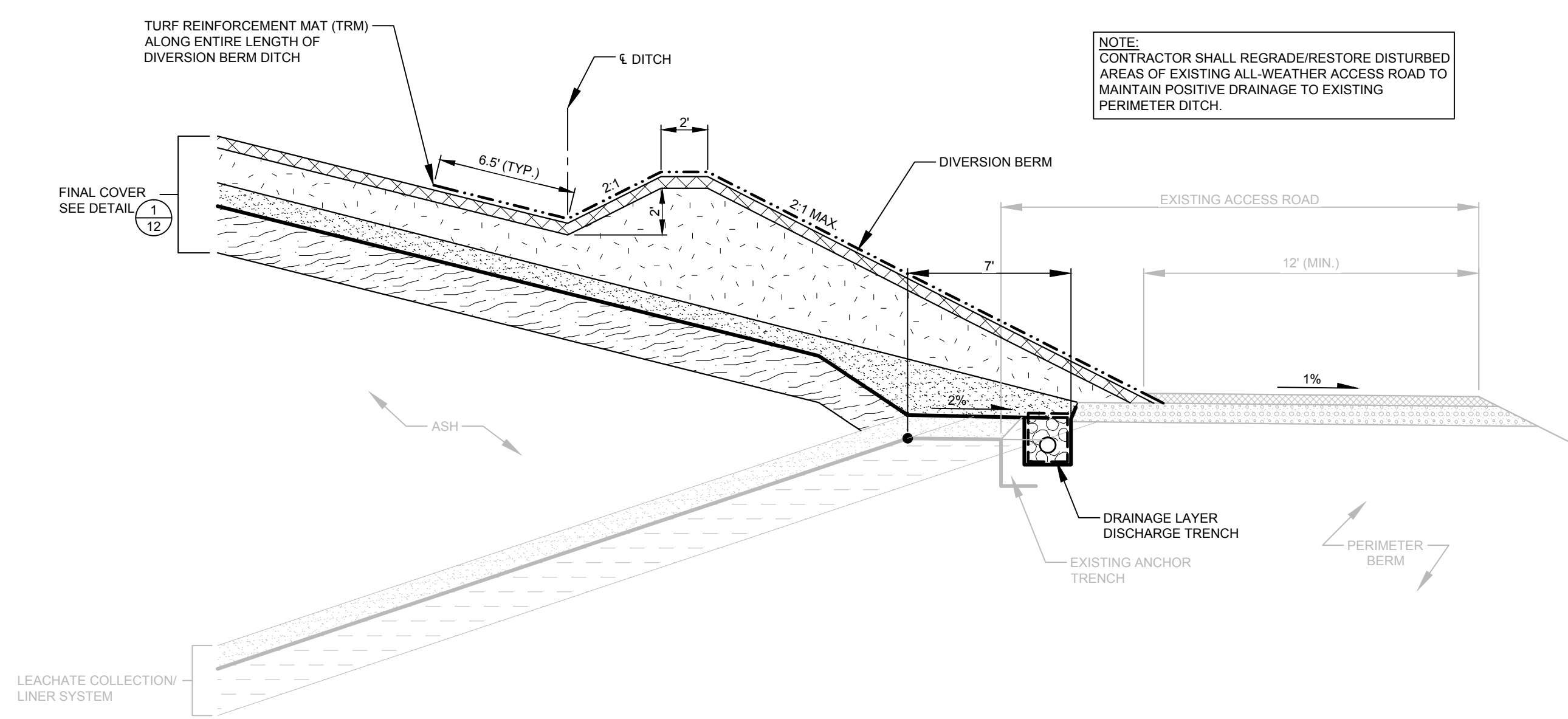
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12 FINAL COVER CONNECTION (NOT TO SCALE)



3
12 FINAL COVER TRANSITION (NOT TO SCALE)



4
12 FINAL COVER TERMINATION WITH TOE DRAIN DISCHARGE PIPE (NOT TO SCALE)



5
12 FINAL COVER TERMINATION (OVER CELL 1 LINER CONSTRUCTION) (NOT TO SCALE)

NOTE: THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK ON THIS CONTRACT, IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
NOTE: THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER.

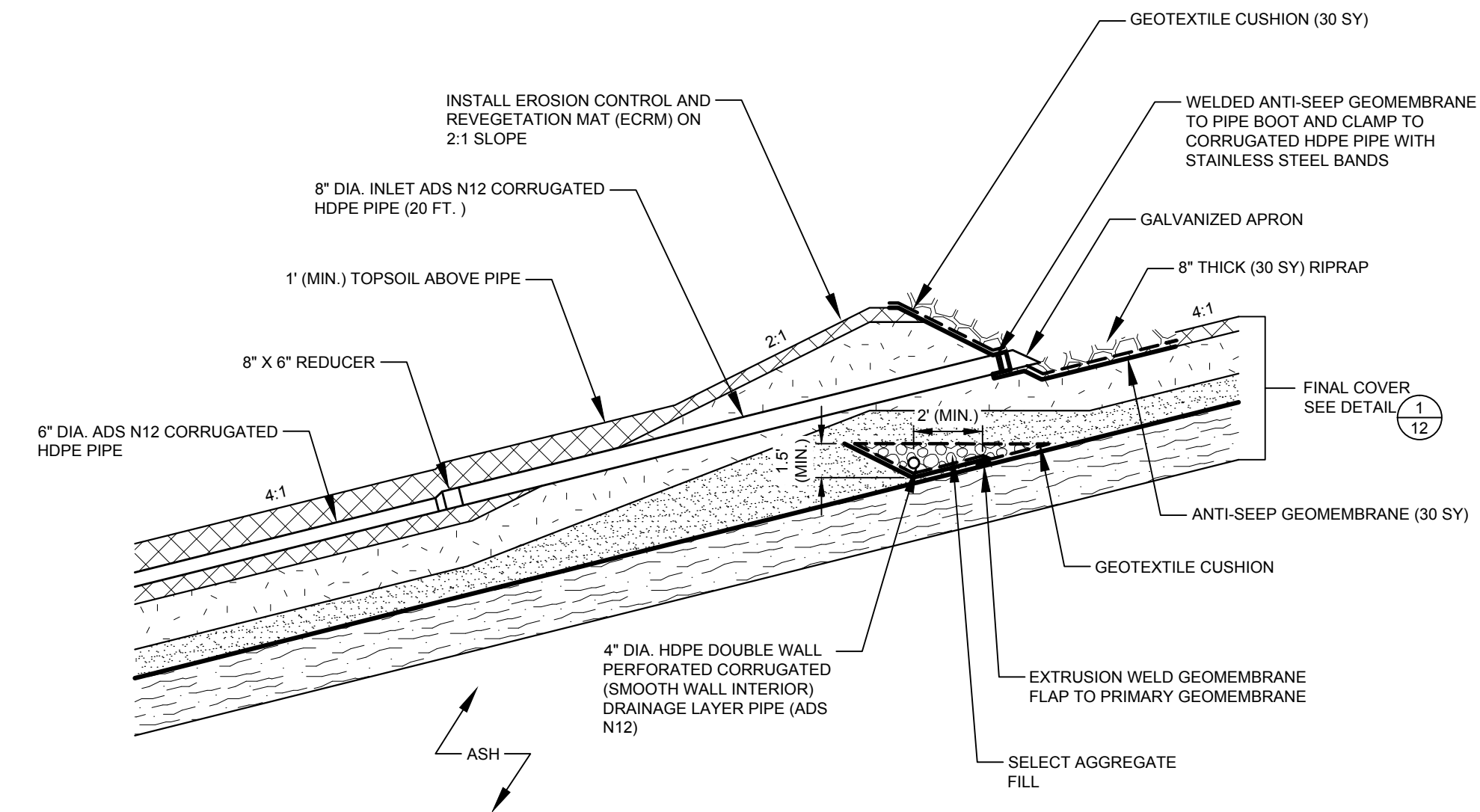
NO.	BY	DATE	REVISION	APPD.

PROJECT: DAIRYLAND POWER COOPERATIVE
PHASE IV, CELL 3B LINER CONSTRUCTION & AREA C (OVER CELLS 1 & 2)
FINAL COVER CONSTRUCTION
BUFFALO COUNTY, WISCONSIN

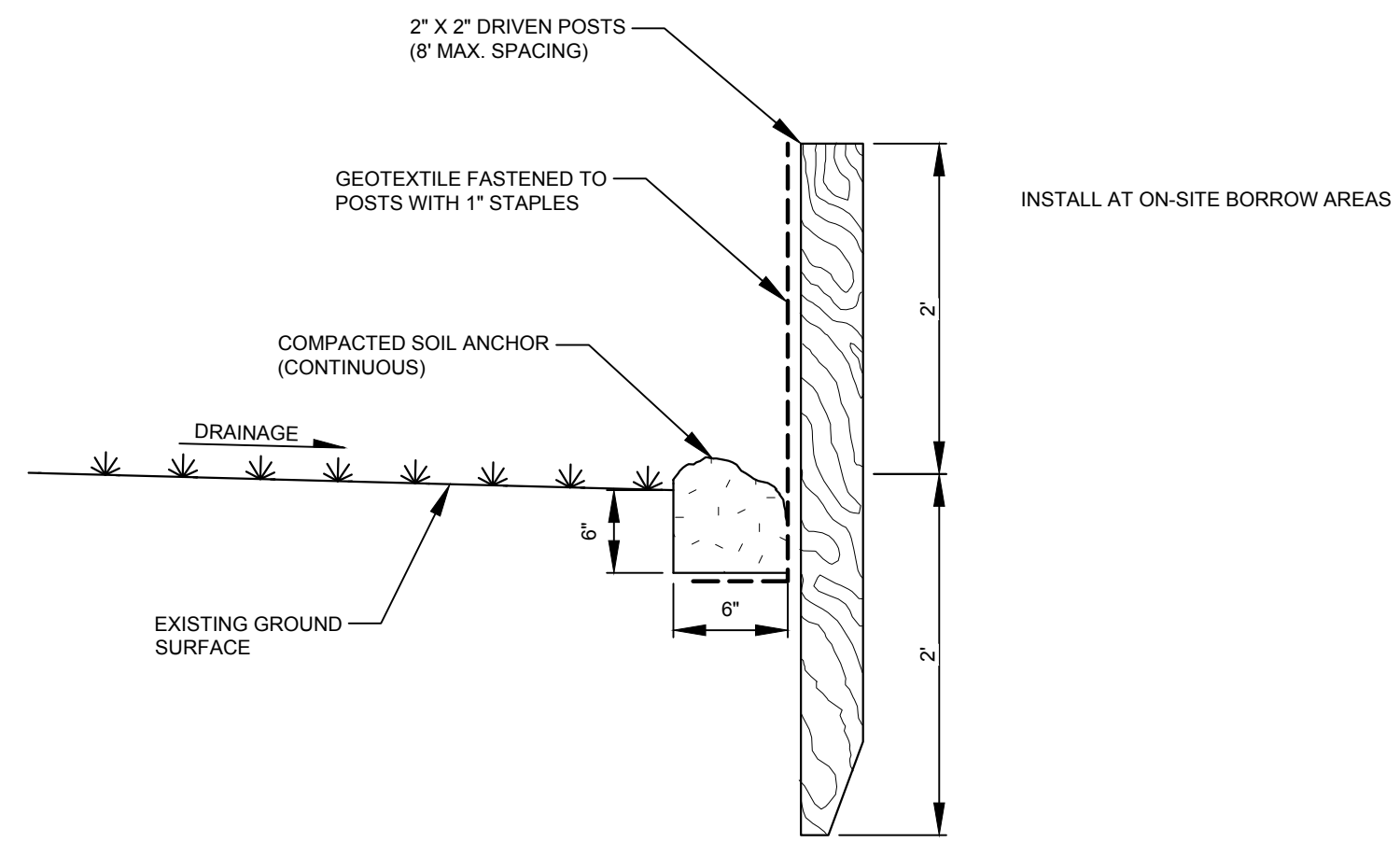
DETAILS			
DRAWN BY: LSTORMER	SCALE: AS SHOWN	PROJ. NO: 216851 0005	FILE NO: 016851.0004.SHT12-DT.dwg
CHECKED BY: DM	DATE PRINTED: MARCH 2015	SHEET 12 OF 13	

TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

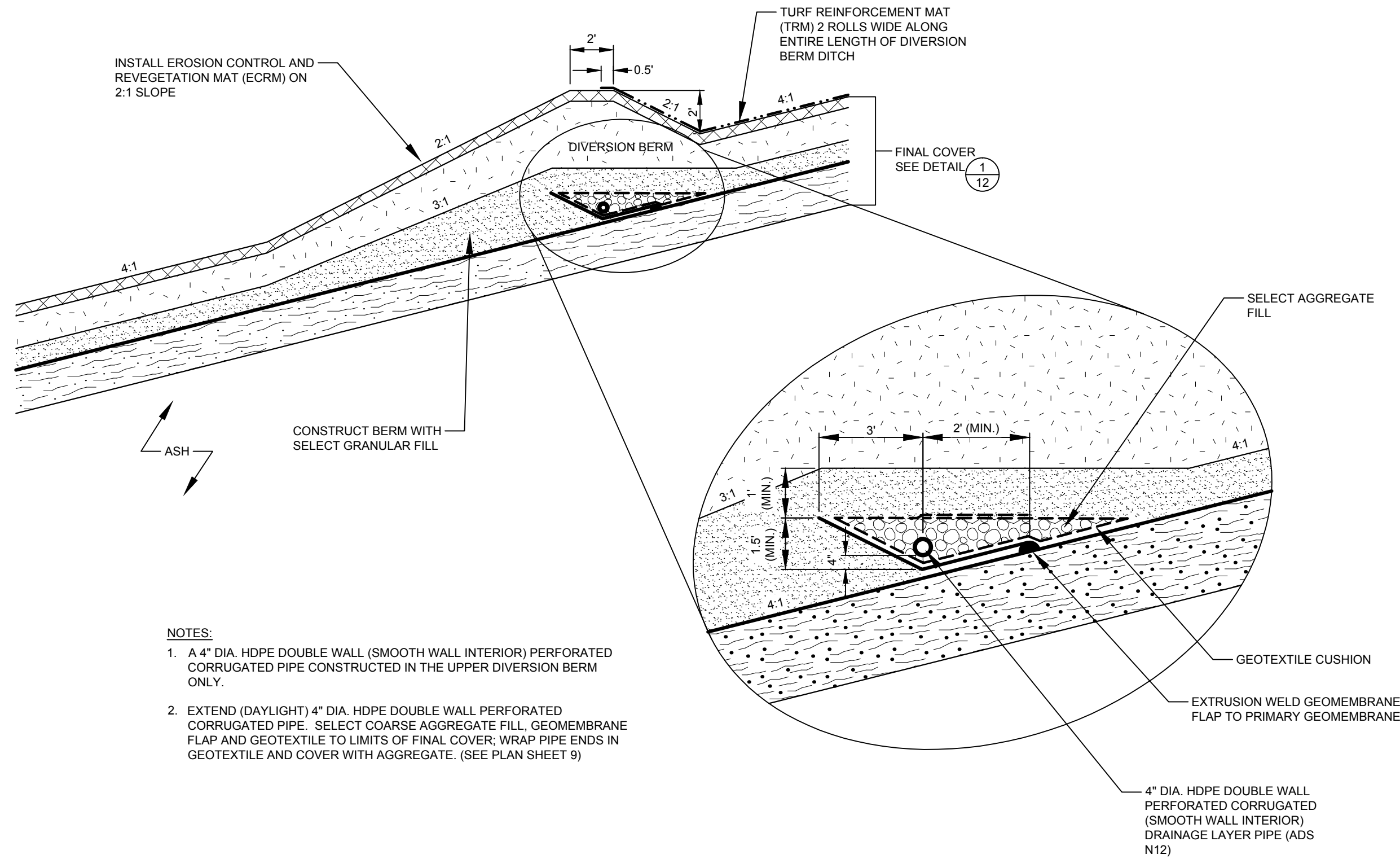
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 Drawing Name: STORMER, LARRY
 Drawing Size: 11x17
 Date: 03/11/2015
 Plot Time: 1:24 PM
 SHEET 12



1
13
8" DIA. INLET STRUCTURE
(NOT TO SCALE)



3
13
SEDIMENT CONTROL FENCE
(NOT TO SCALE)



2
13
DIVERSION BERM
(NOT TO SCALE)

- NOTES:**
1. A 4" DIA. HDPE DOUBLE WALL (SMOOTH WALL INTERIOR) PERFORATED CORRUGATED PIPE CONSTRUCTED IN THE UPPER DIVERSION BERM ONLY.
 2. EXTEND (DAYLIGHT) 4" DIA. HDPE DOUBLE WALL PERFORATED CORRUGATED PIPE. SELECT COARSE AGGREGATE FILL, GEOMEMBRANE FLAP AND GEOTEXTILE TO LIMITS OF FINAL COVER. WRAP PIPE ENDS IN GEOTEXTILE AND COVER WITH AGGREGATE. (SEE PLAN SHEET 9)

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NO.	BY	DATE	REVISION	APPD.

PROJECT: **DAIRYLAND POWER COOPERATIVE
PHASE IV, CELL 3B LINER CONSTRUCTION & AREA C (OVER CELLS 1 & 2)
FINAL COVER CONSTRUCTION
BUFFALO COUNTY, WISCONSIN**

SHEET TITLE: **DETAILS**

DRAWN BY: LSTORMER	SCALE: AS SHOWN	PROJ. NO: 216851 0005
CHECKED BY: DM	DATE PRINTED:	FILE NO: 016851.0004.SHT13-DT.dwg
APPROVED BY: TWMM	DATE: MARCH 2015	SHEET 13 OF 13

PLOT DATE: J:\Dairyland Power\AreaC\16851\0004\216851\0004.SHT13-DT.dwg
 Drawing Name: STORMER, LARRY
 Drawing Size: 13x19
 Date: 3/13/2015
 Plot Time: 10:47 AM
 Attached Xrefs: Attached Images