



2302 Great Northern Drive
P.O. Box 2747
Fargo, North Dakota 58102
(701) 241-8632
dave.sederquist@xcelenergy.com

November 5, 2021

—VIA EMAIL & U.S. MAIL—

Mr. Steven M. Kahl, Executive Director
North Dakota Public Service Commission
State Capitol Building, Dept. 408
600 East Boulevard
Bismarck, ND 58505-0480

RE: AIRCRAFT DETECTION LIGHTING SYSTEM – BORDER WINDS FACILITY
CASE No. PU-17-362

Dear Mr. Kahl:

Northern States Power Company, a Minnesota Corporation, doing business in North Dakota as Xcel Energy, respectfully submits the attached siting Certification (and map) relating to the installation of an Aircraft Detection Lighting System (ADLS) at its Border Winds generating facility.

Please contact me if you have any further questions about this information or the project. Thank you.

Sincerely,

A handwritten signature in blue ink that reads 'David H. Sederquist'.

DAVID H. SEDERQUIST
SR. CONSULTANT, REGULATION & FINANCE

cc: Mr. Patrick Fahn

Lighting System (ADLS), which is a radar-based system that automatically activates obstruction lighting on wind turbines upon detection of aircraft approaching within defined parameters, and by installing ADLS lighting on wind turbines that currently have traditional Federal Aviation Administration (FAA) lights installed.

8. Construction to install the ADLS is required in order to comply with the requirements of N.D.C.C. § 49-22-16.4(3) and N.D. Admin. Code § 69-06-11-02(2). Improvements necessary for ADLS installation will be located as depicted on the map attached to this Certification labeled Attachment A.
9. In accordance with N.D.C.C. § 49-22-03(3)(a), Xcel Energy certifies as follows:
 - a. The installation of an ADLS is an improvement to the Border Winds facility.
 - b. The activities required to install the ADLS will be conducted wholly within the geographic location for which a Certificate of Site Compatibility was previously obtained.
 - c. The construction activities are for the installation of ADLS and will include the installation of one ADLS radar tower.
 - d. ADLS installation and associated construction activities will occur in areas within the Border Winds facility site for which an environmental analysis has been conducted. ADLS construction locations were evaluated relative to the Exclusion and Avoidance Areas set forth in N.D. Admin. Code § 69-06-08-01. This evaluation determined that the ADLS will not permanently or temporarily affect any known Exclusion or Avoidance Areas.
10. In accordance with N.D.C.C. § 49-22-17, Xcel Energy further certifies that the Border Winds facility site continues to meet the conditions upon which the Certificate of Site Compatibility was issued.
11. Xcel Energy will continue to comply with all applicable conditions and protections in siting laws and rules and Commission Orders previously issued for the Border Winds facility.
12. Xcel Energy intends to begin construction to install the ADLS on or after November 8, 2021. Assuming construction progresses as expected, Xcel Energy anticipates the ADLS being fully installed and activated by December 31, 2021.



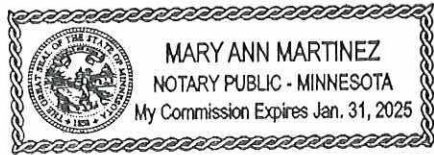
Christopher B. Clark
President, NSPM
Xcel Energy

STATE OF MINNESOTA)
) ss.
COUNTY OF HENNEPIN)

On this 4 day of November, 2021, before me personally appeared Christopher B. Clark, known to me to be the President, NSPM and representative of Xcel Energy, that is described within and executed, acknowledged, and affirmed to me that such company executed the same.

January 31, 2025
Expiration of Commission


Notary Public

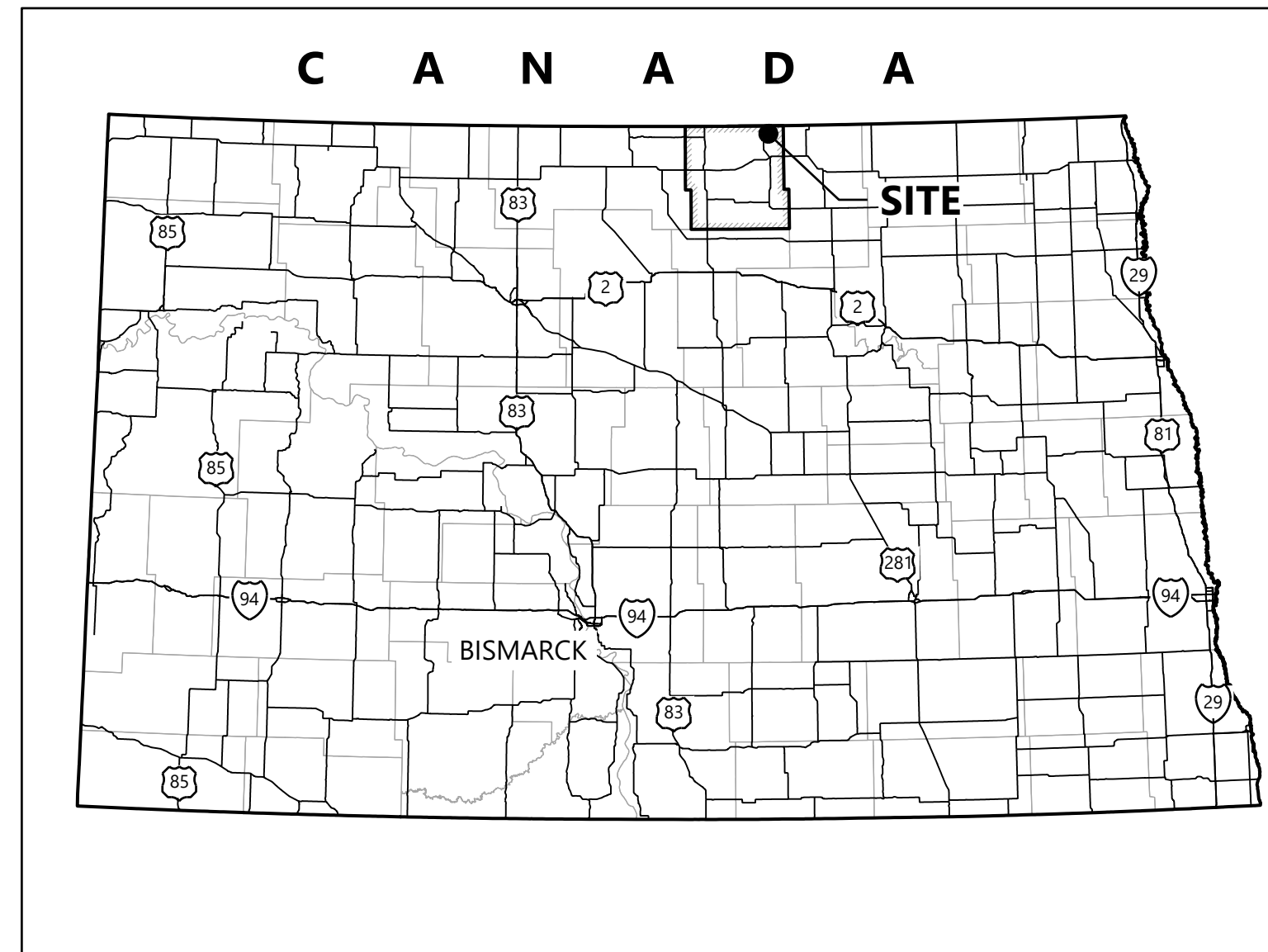


Border Winds Radar Tower

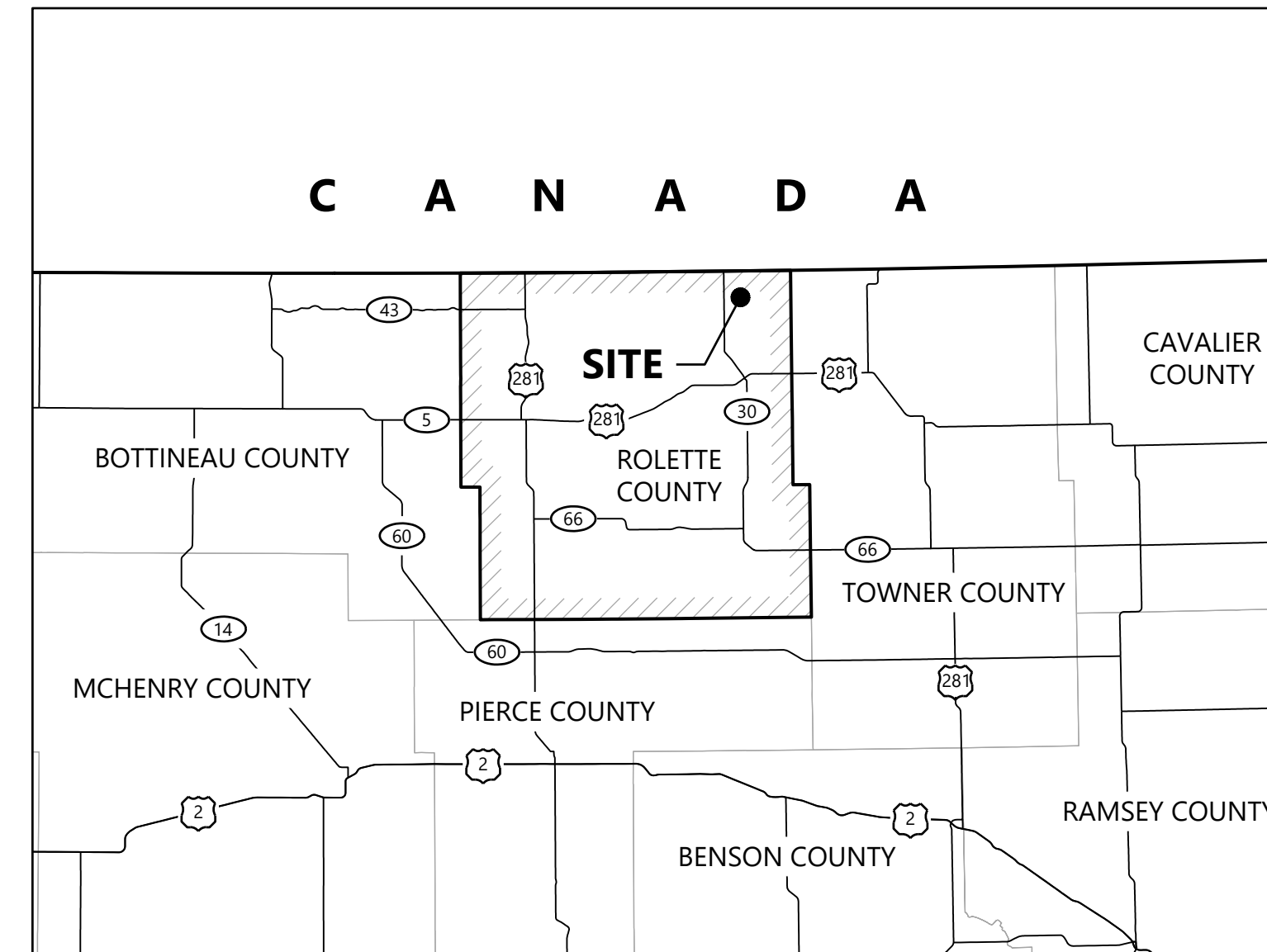
Rolette County, ND

Civil Construction Plans

REGIONAL MAP



VICINITY MAP



DATA SET INFORMATION

BASE FILE	FILE NAME/NOTES	PROVIDER	DATE
ALTA SURVEY	ALTA SURVEY	WESTWOOD	09/27/2016
TOPOGRAPHY	USGS 3DEP NATIONAL MAP	USGS	06/17/2021
RADAR LOCATION	New ADLS Location.kmz	WANZEK	10/28/2021
ELECTRICAL ROUTING	Xcel Energy Border WF Site Mock-Up.kmz	WANZEK	11/03/2021

CONTACT INFORMATION

PROJECT ROLE	CONTACT NAME	COMPANY	PHONE
PROJECT MANAGER & ESTIMATOR	ERIC SWENDSEN	WANZEK	701-566-1913
SENIOR PROJECT MANAGER	DANIELLE NYGREN	WESTWOOD	952-906-7493


Sheet List Table

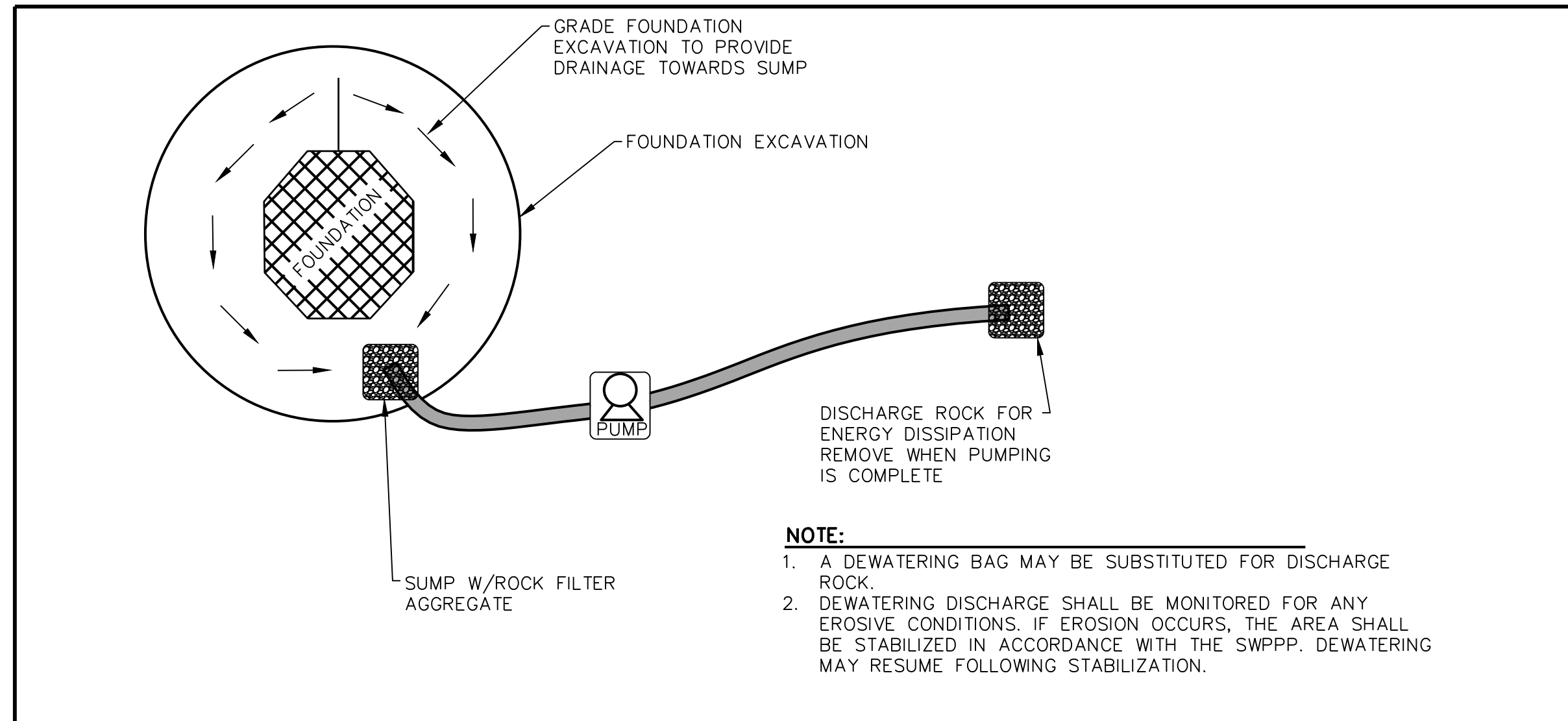
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1	COVER
2	CONSTRUCTION NOTES
3	CONSTRUCTION DETAILS
4	CONSTRUCTION DETAILS-2
5	CONSTRUCTION DETAILS-3
6	SITE PLAN



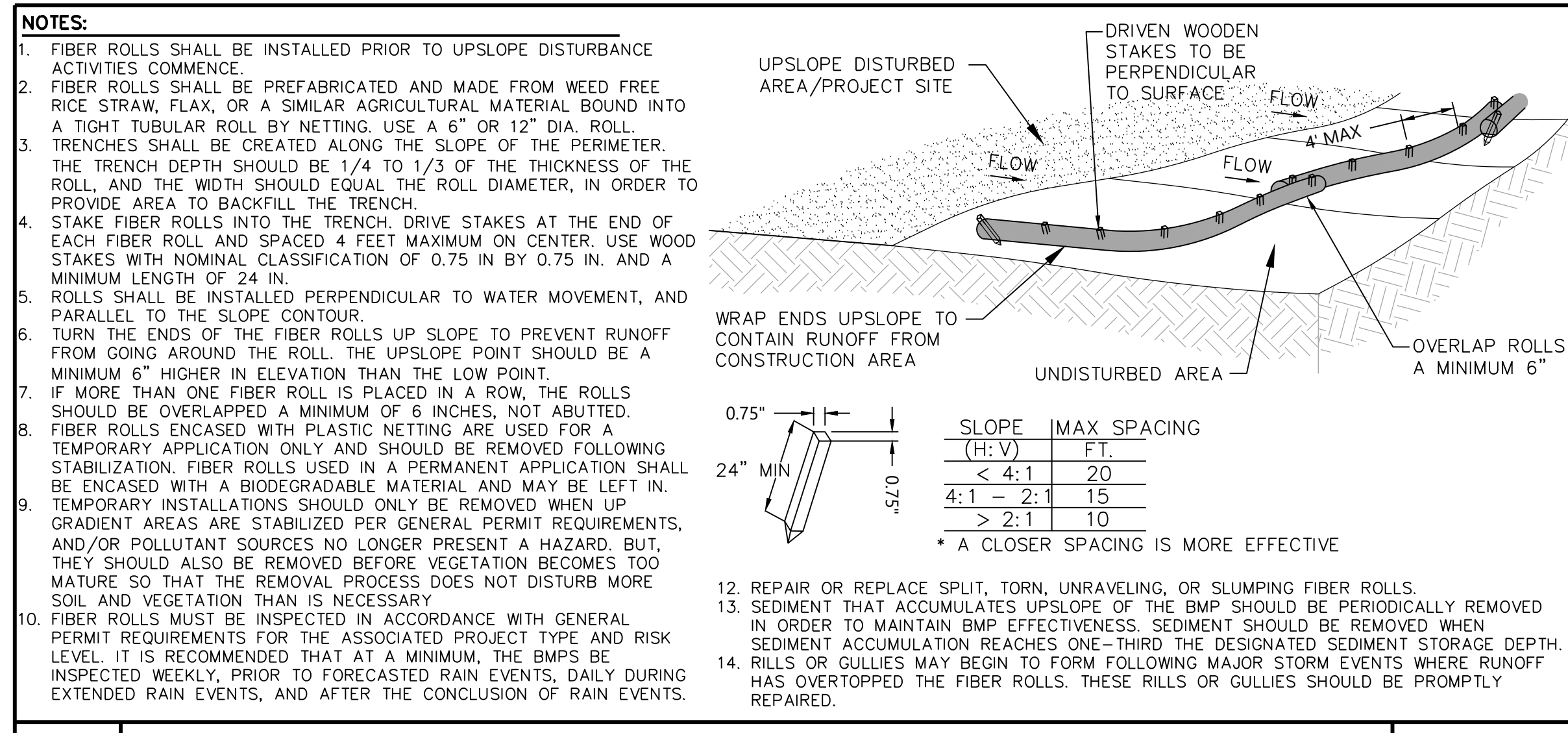
Phone (720) 531-8350 10170 Church Ranch Way, Suite #201
 Toll Free (888) 937-5150 Westminster, CO 80021
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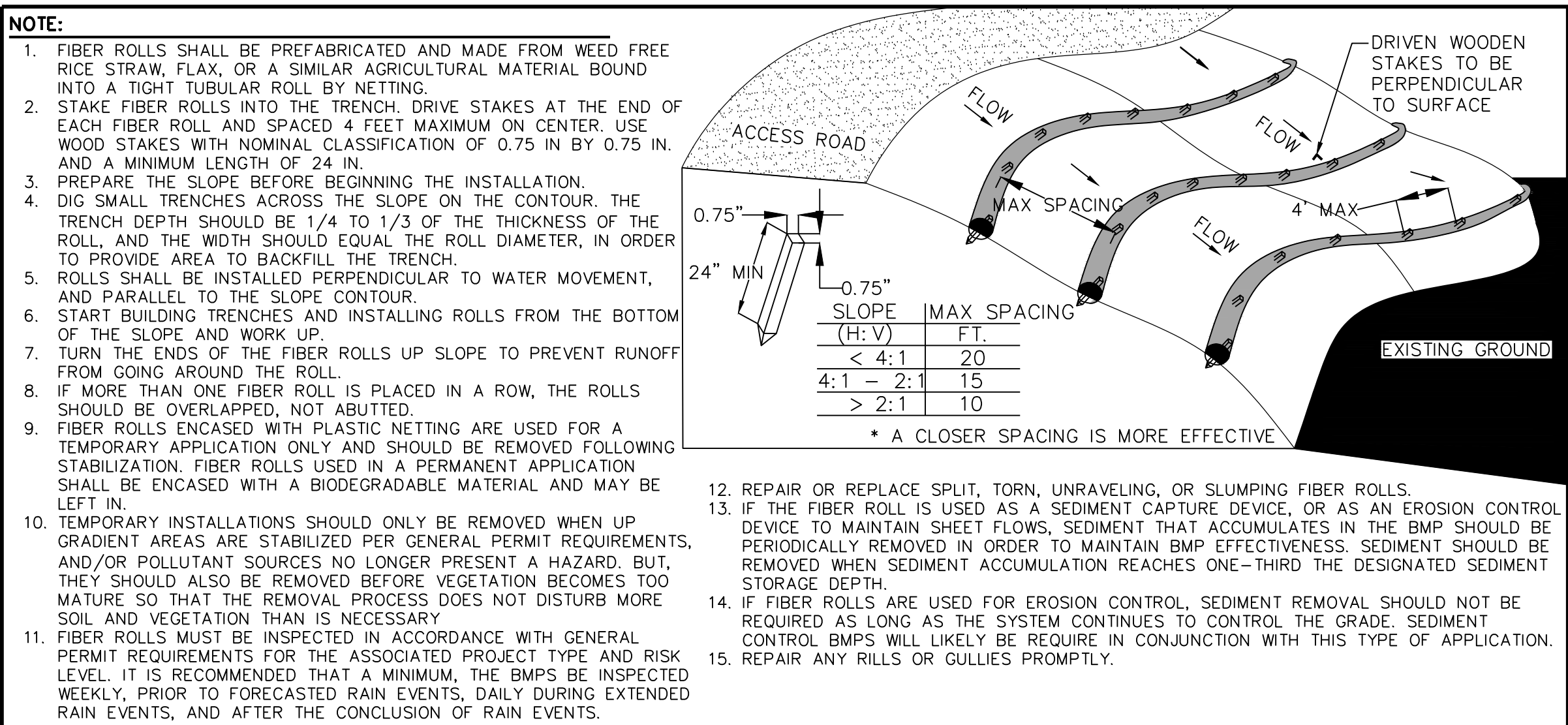
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DWG NO.	MANUFACTURER	DESCRIPTION																	
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B	ISSUED FOR PERMIT		11/03/2021	ZHW	DJN	DJN								ENG: DJN DATE: 11/03/21 CHK: DATE:					
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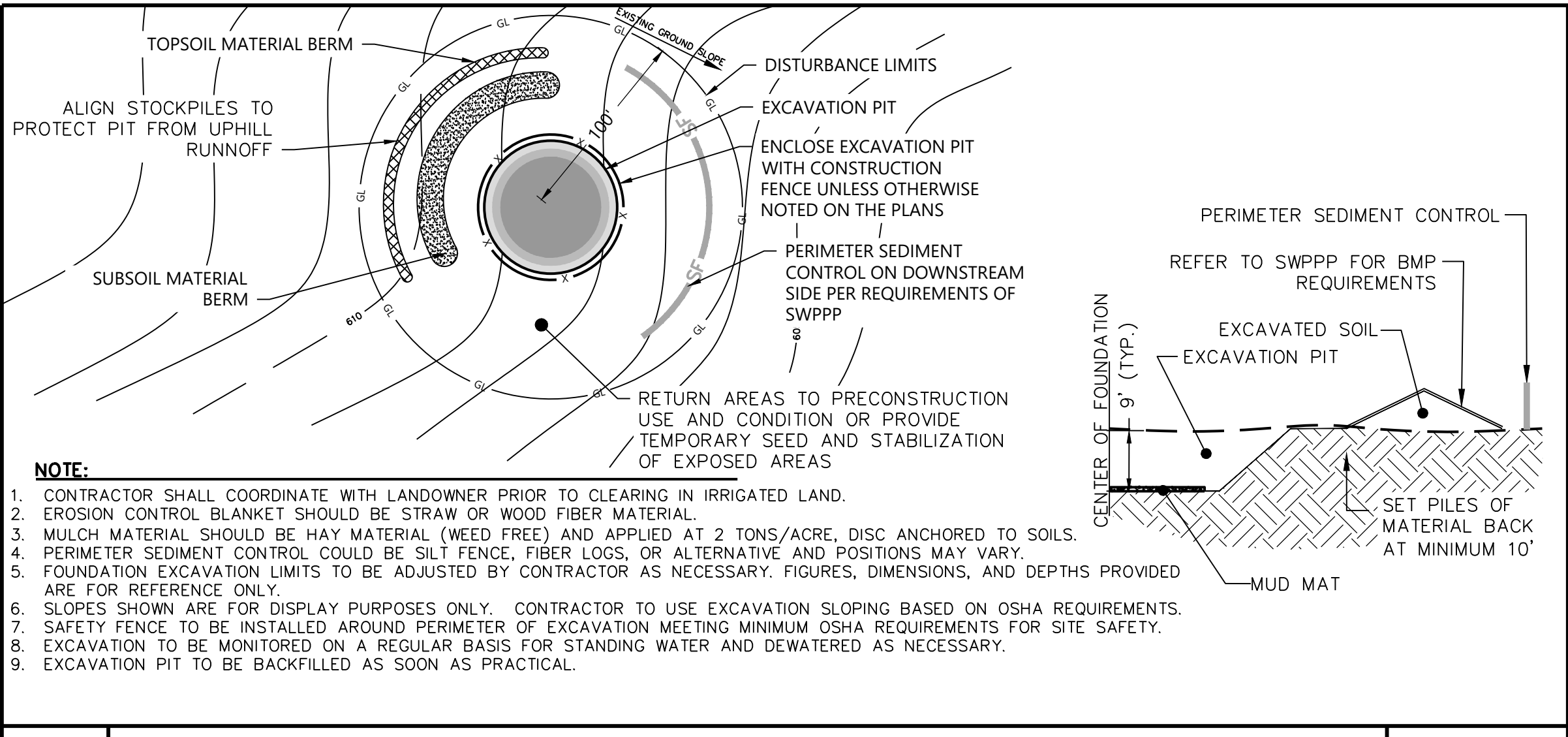
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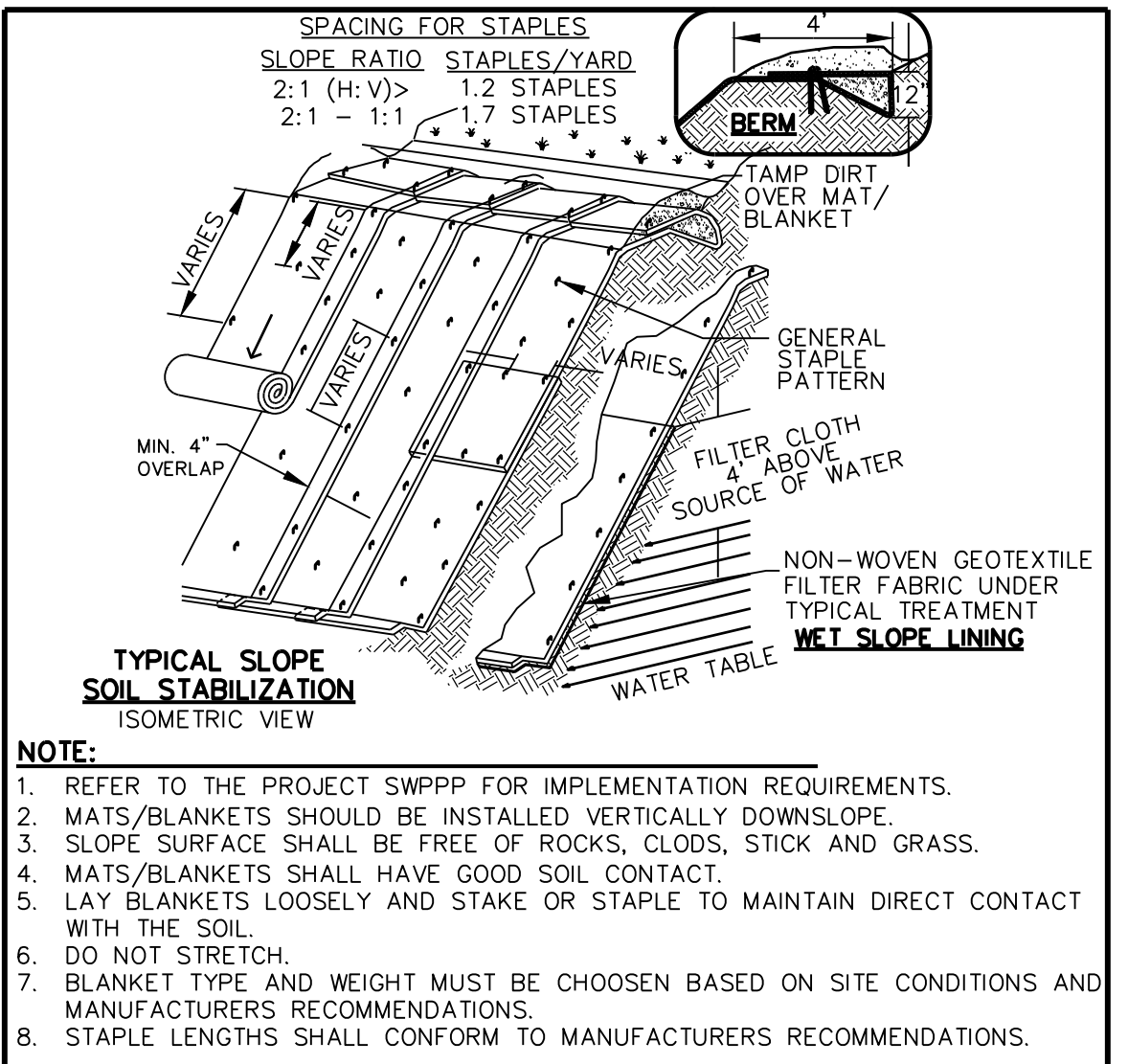
Westwood TYPICAL FIBER ROLLS FOR PERIMETER CONTROL OF CONSTRUCTION AREA LIMIT GD42



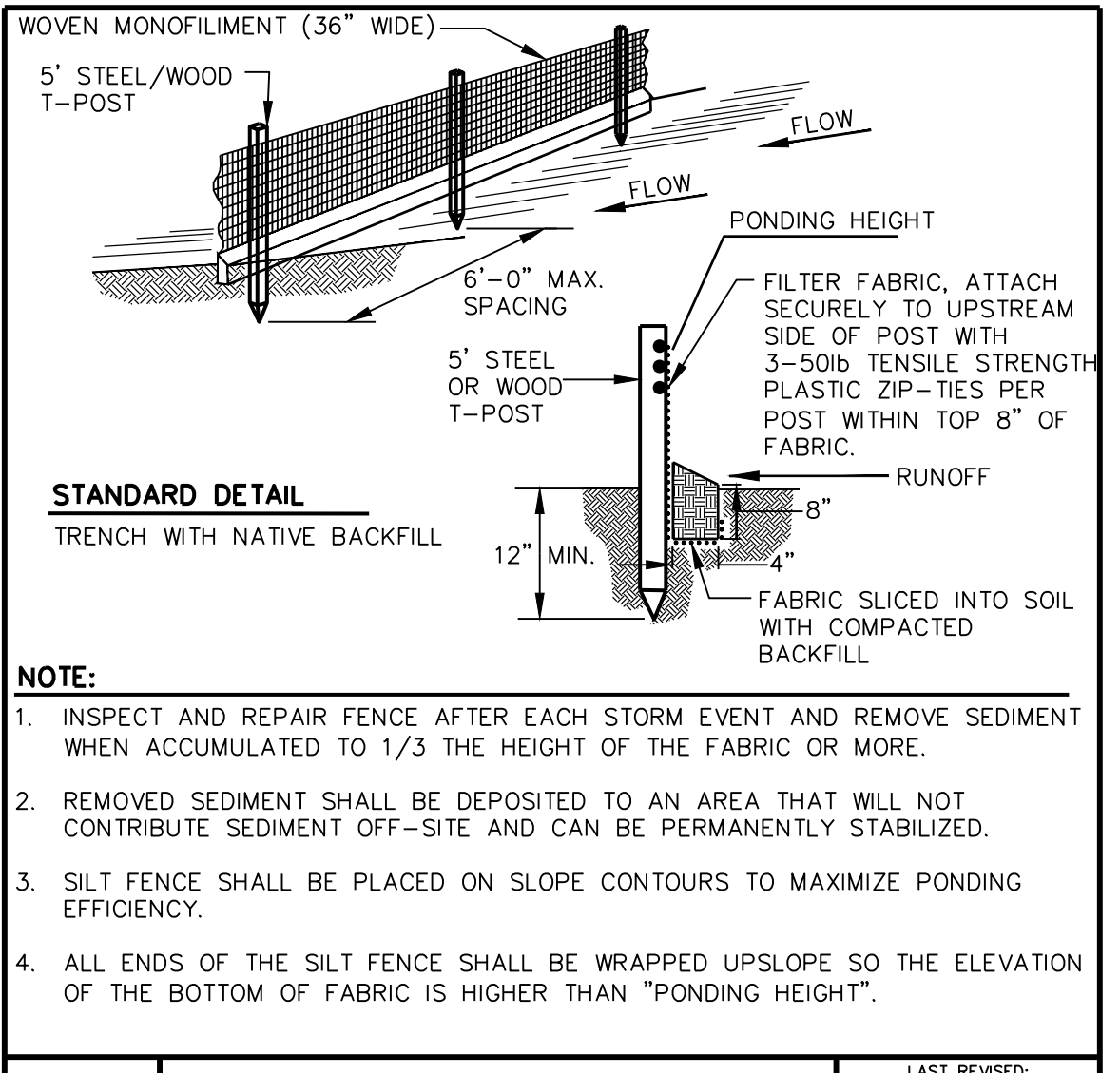
Westwood TYPICAL FIBER ROLLS GD40



Westwood TYPICAL FOUNDATION EXCAVATION GD43



Westwood TEMPORARY EROSION BLANKETS TURF REINFORCEMENT MATS FOR SLOPES GD21



Westwood SILT FENCE GD03

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REFERENCE DRAWINGS		
DWG NO.	MANUFACTURER	DESCRIPTION

XcelEnergy
 NORTHERN STATES POWER COMPANY
BORDER WINDS RADAR TOWER
 Rolette County, ND

DWN: ZHW	DATE: 11/03/21	CHK:	DATE:
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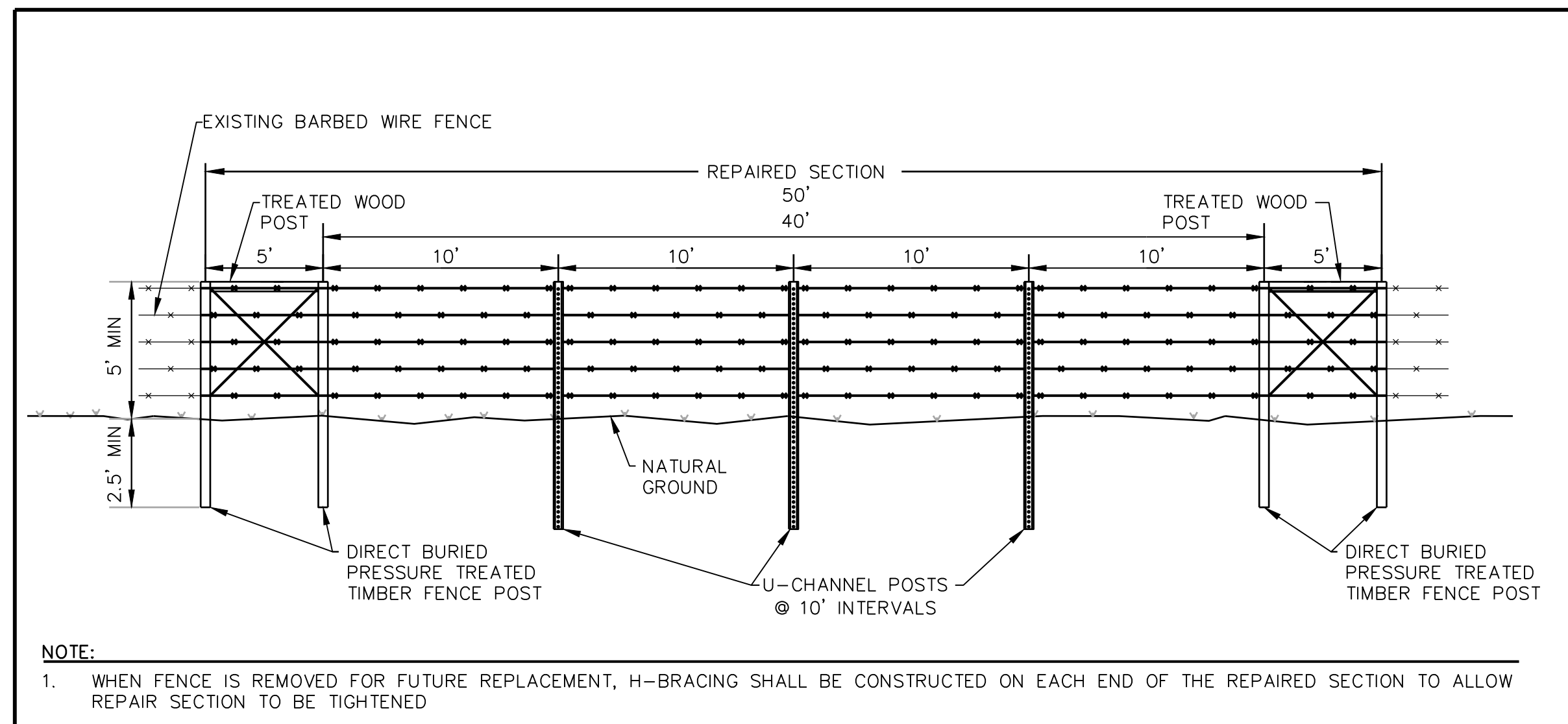
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ENERGY SUPPLY
 ENGINEERING & CONSTRUCTION

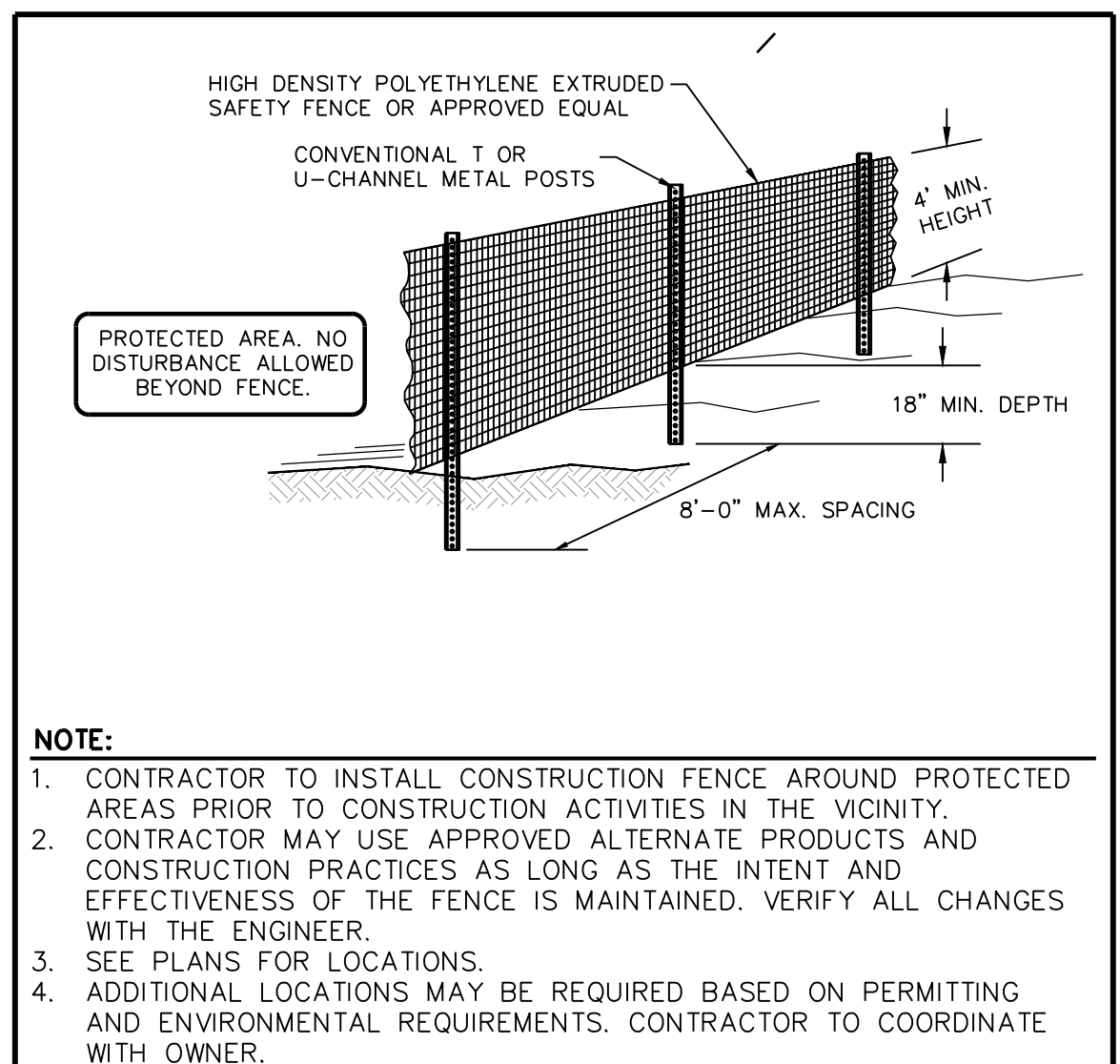
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 CIVIL ACCESS ROADS
CONSTRUCTION DETAILS

23132- 3

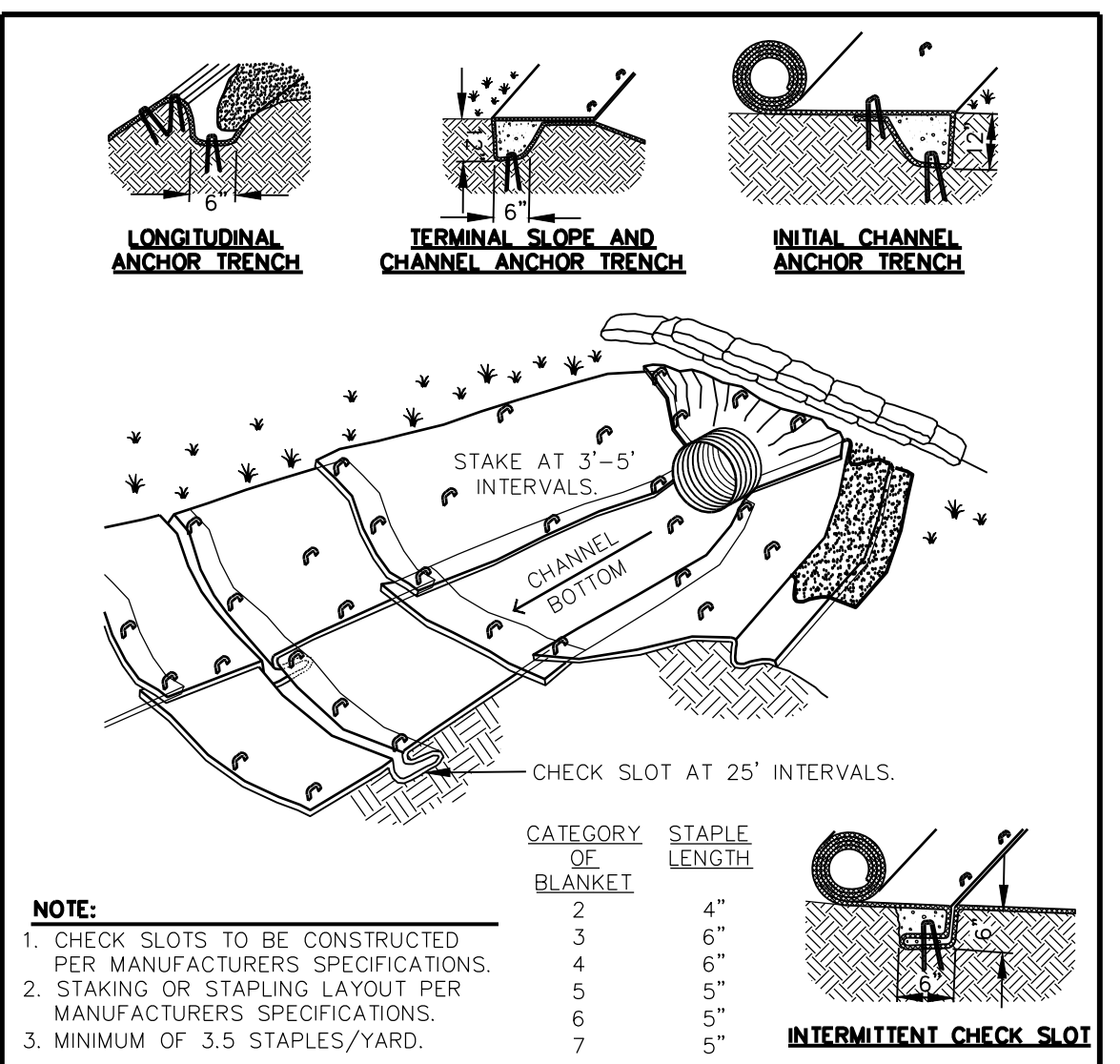
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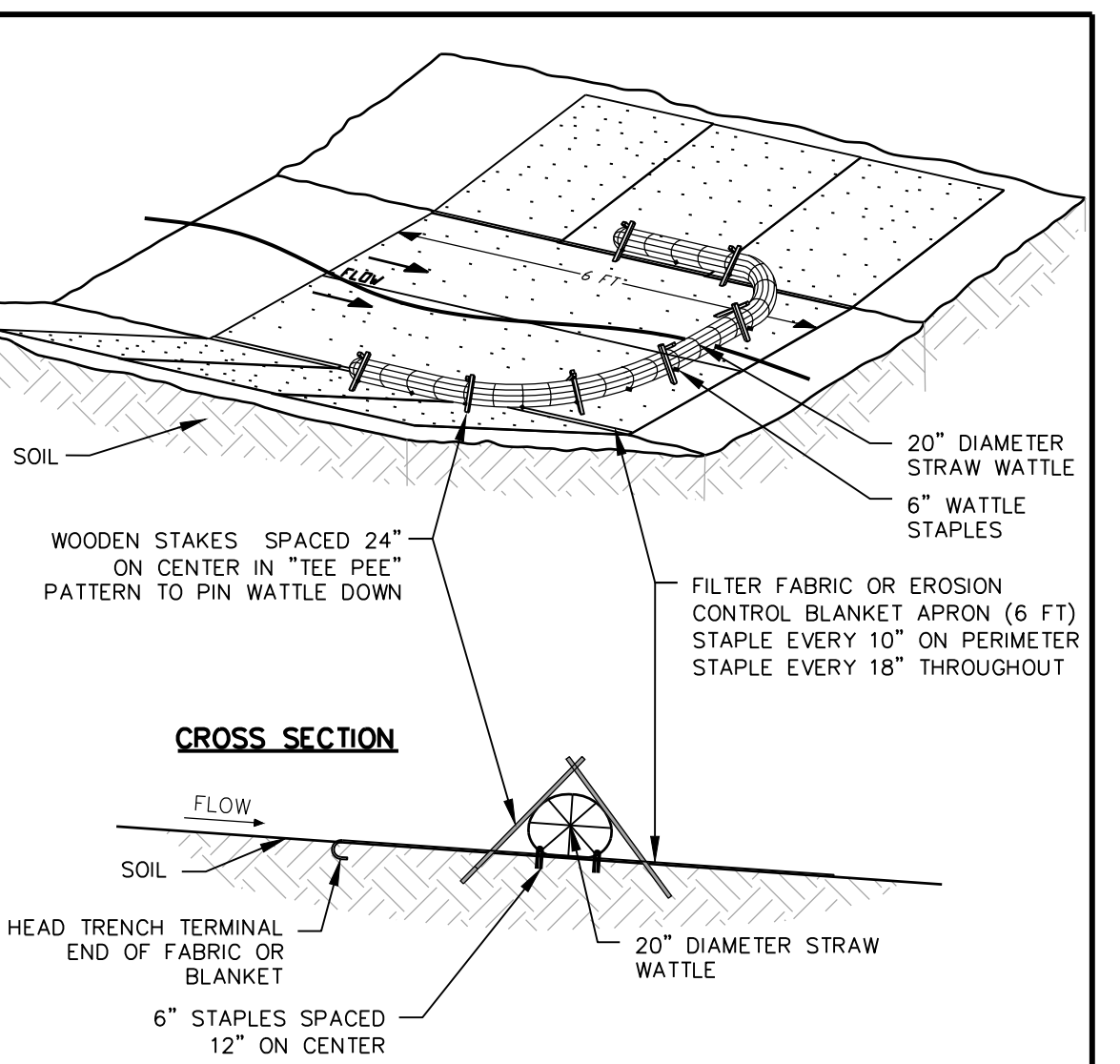
Westwood FENCE REPAIR FN03



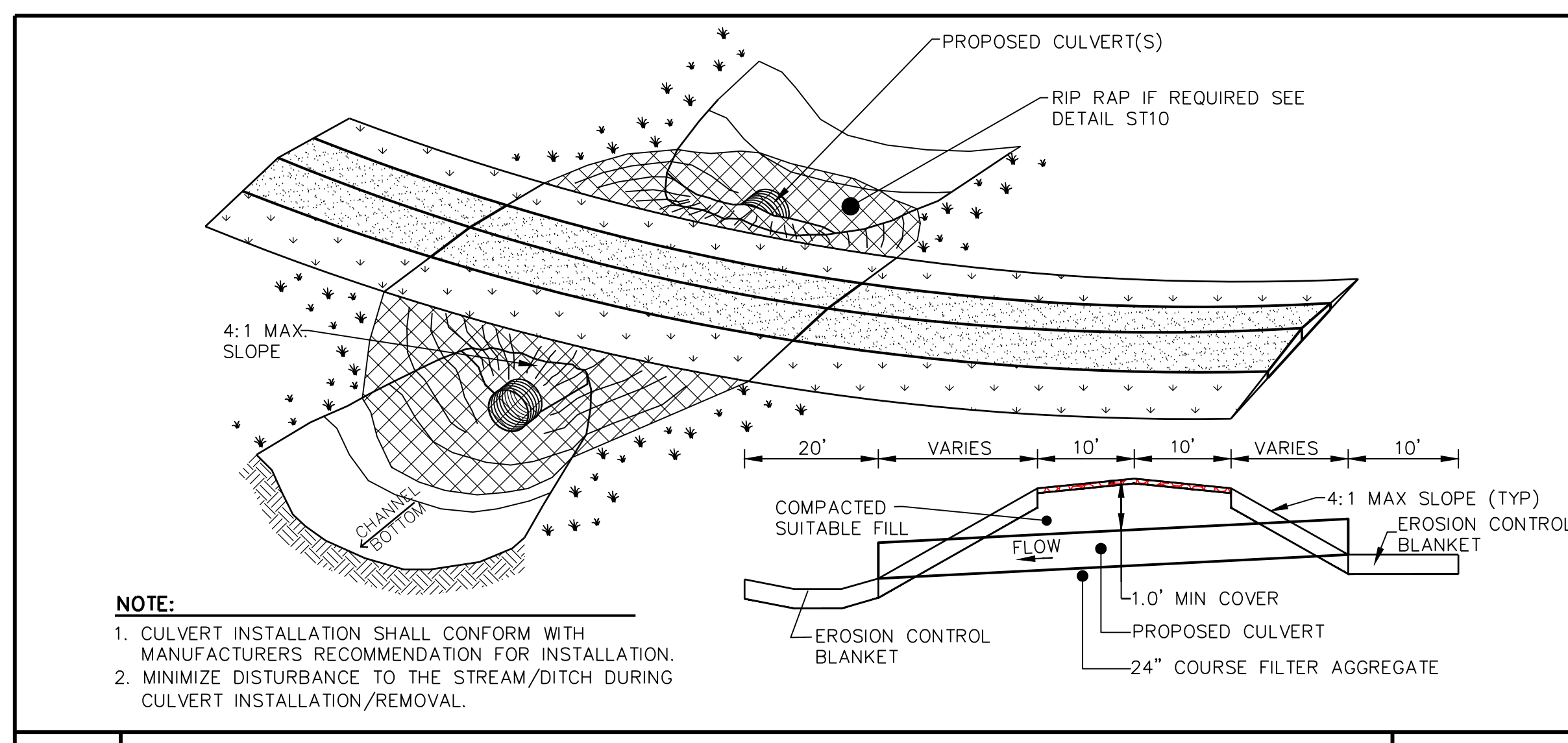
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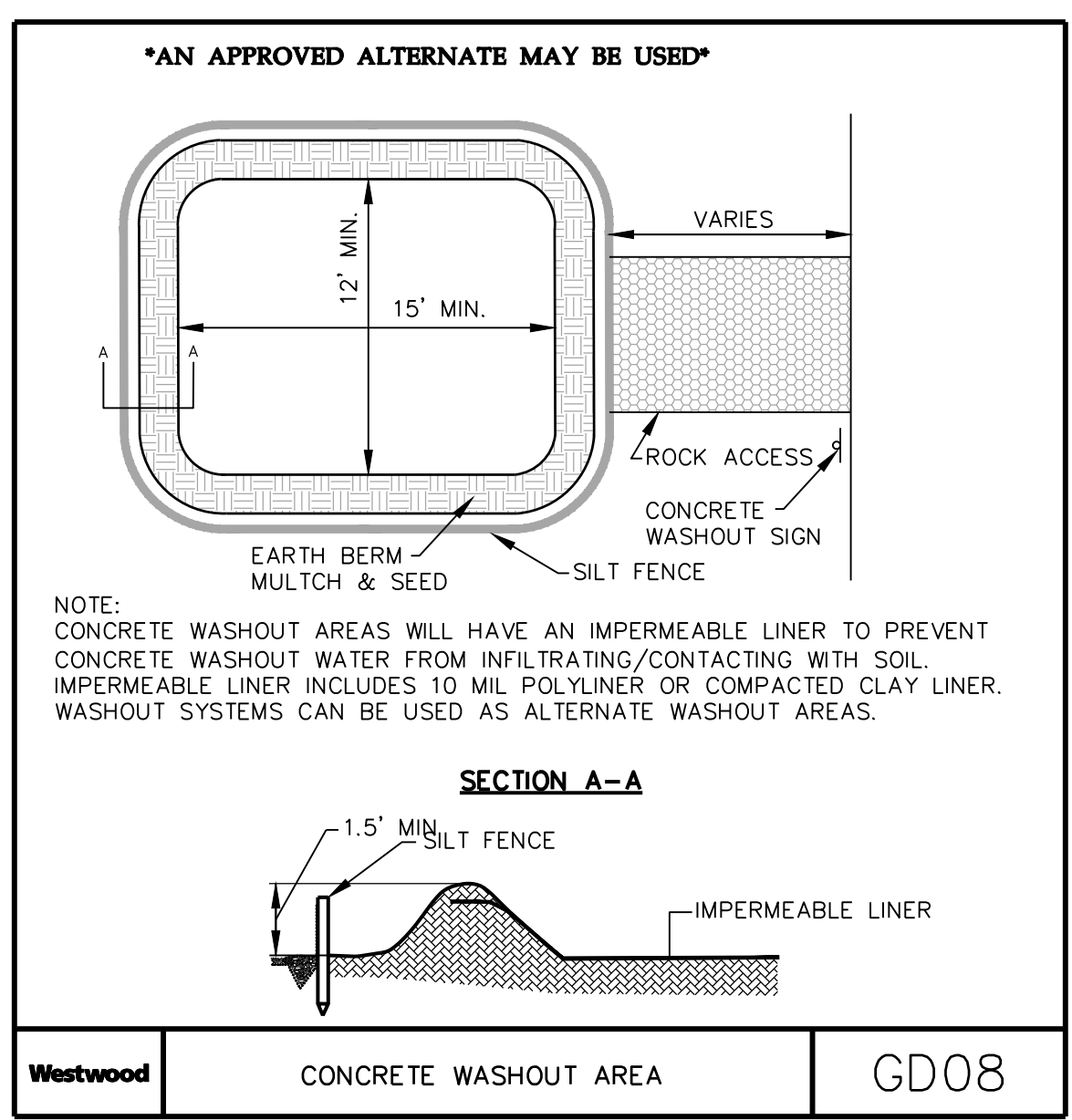
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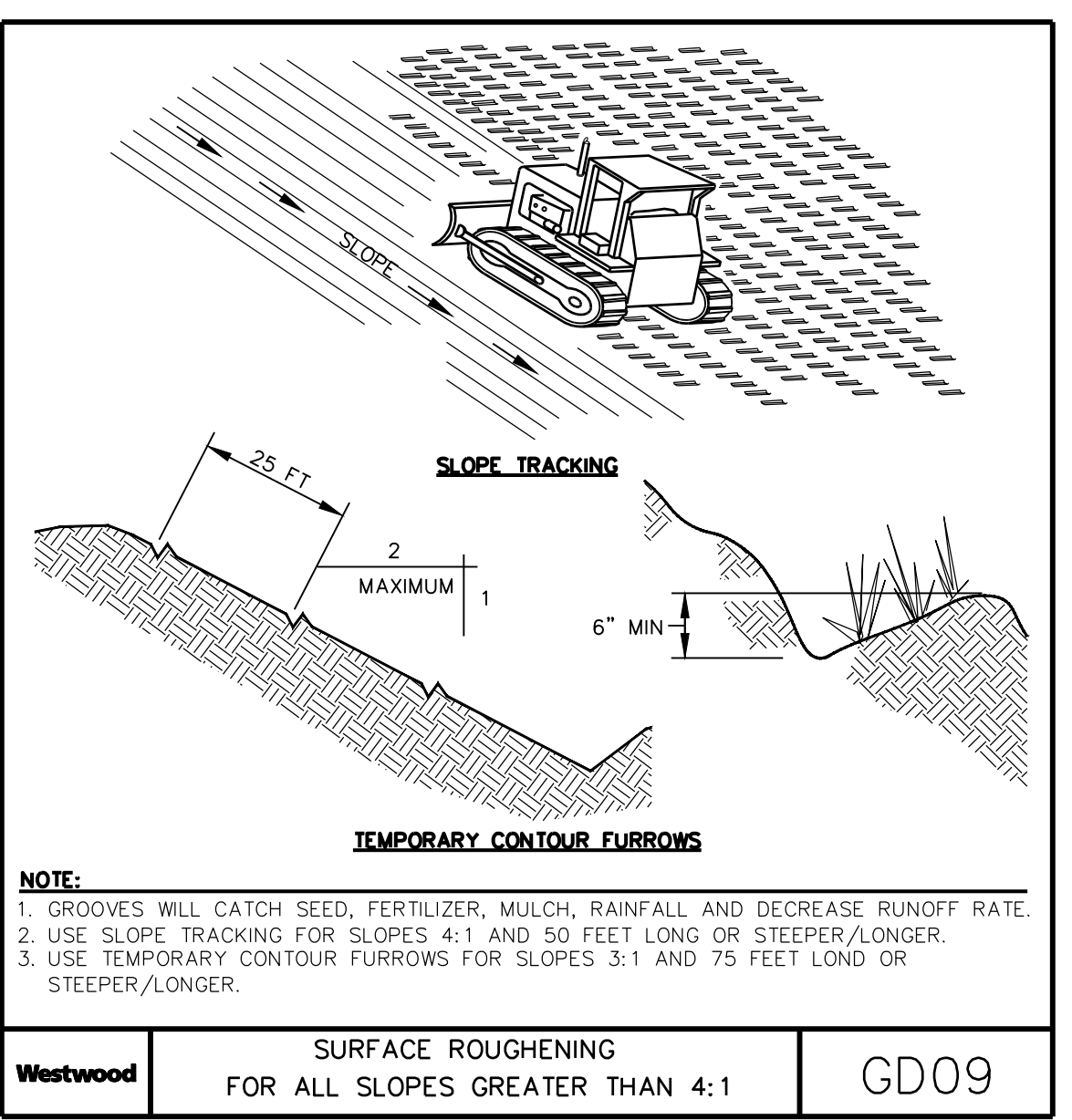
Westwood TEMPORARY CHANNEL FLOW WATTLE CHECK GD23



Westwood TYPICAL CULVERT DETAIL GD24



Westwood CONCRETE WASHOUT AREA GD08



Westwood SURFACE ROUGHENING FOR ALL SLOPES GREATER THAN 4:1 GD09

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B	ISSUED FOR PERMIT		11/03/2021	ZHW	DJN	DJN	

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XcelEnergy
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BORDER WINDS RADAR TOWER
 Rolette County, ND

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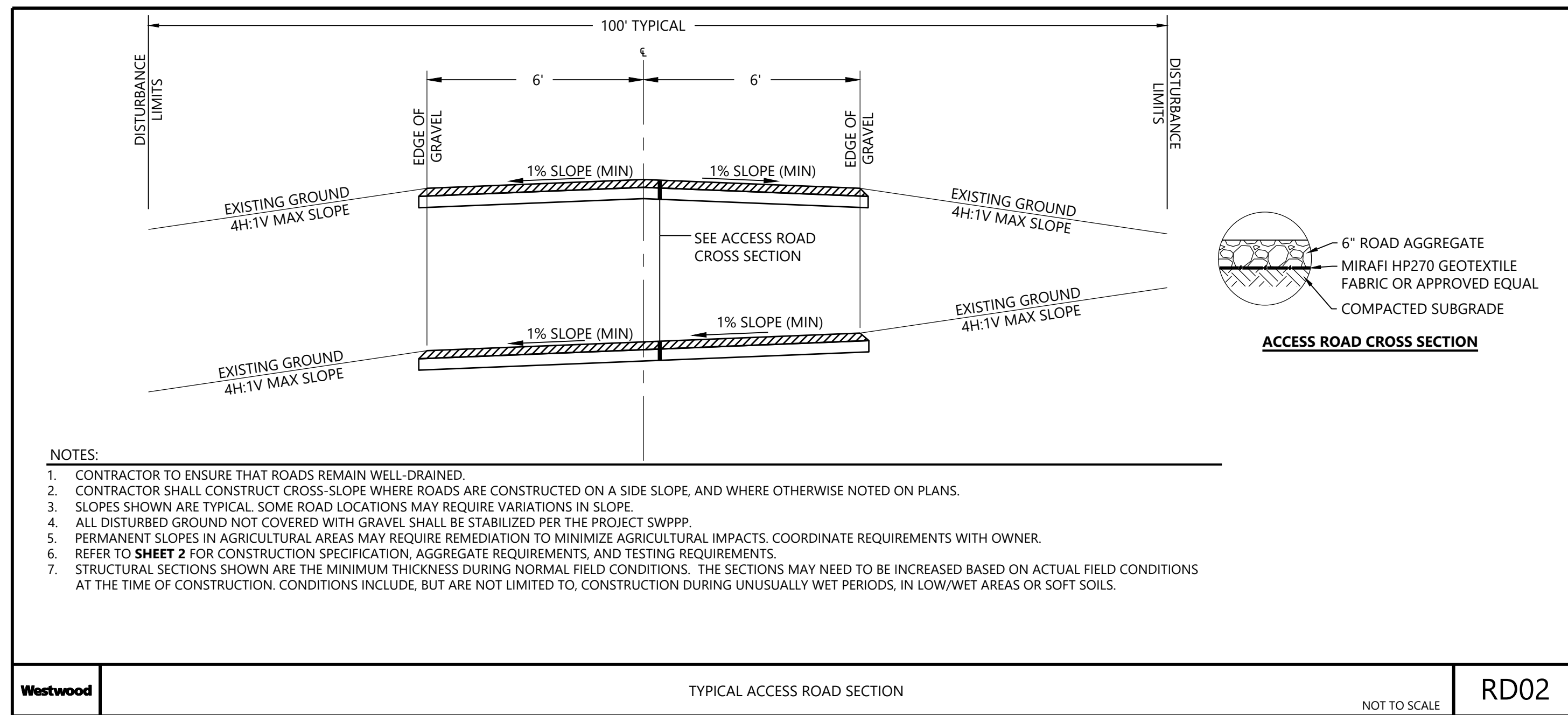
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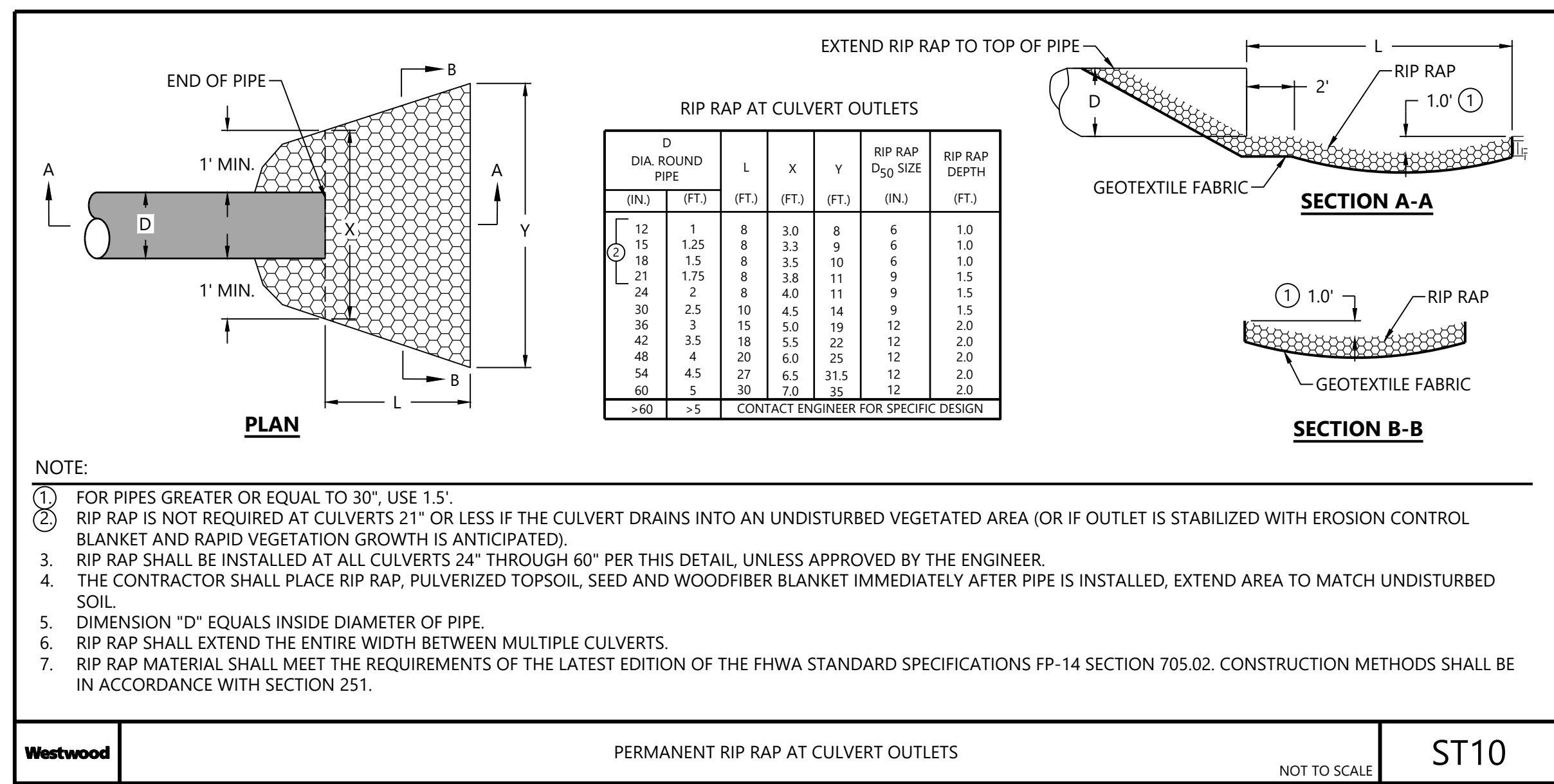
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UNIT - 0
 CIVIL ACCESS ROADS
CONSTRUCTION DETAILS

23132- 4
 REV B



Westwood TYPICAL ACCESS ROAD SECTION NOT TO SCALE RD02



Westwood PERMANENT RIP RAP AT CULVERT OUTLETS NOT TO SCALE ST10

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CONSTRUCTION DETAILS

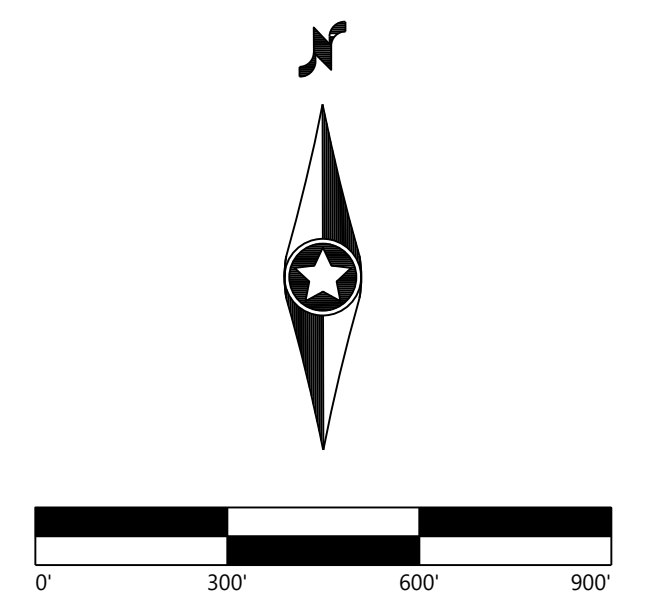
23132- 5

REV B



LEGEND:

- PROPOSED RADAR
- PROPOSED CONCRETE PAD
- PROPOSED SILT FENCE
- DISTURBANCE LIMITS
- PROPOSED COLLECTION LINE*
- EXISTING TURBINE ACCESS ROAD
- EXISTING 10' CONTOURS
- EXISTING 2' CONTOURS
- SECTION LINES
- RIGHT-OF-WAY LINES
- WETLANDS
- EXISTING TURBINE LOCATION
- EXISTING TURBINE NUMBER



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CIVIL ACCESS ROADS				
SITE PLAN				