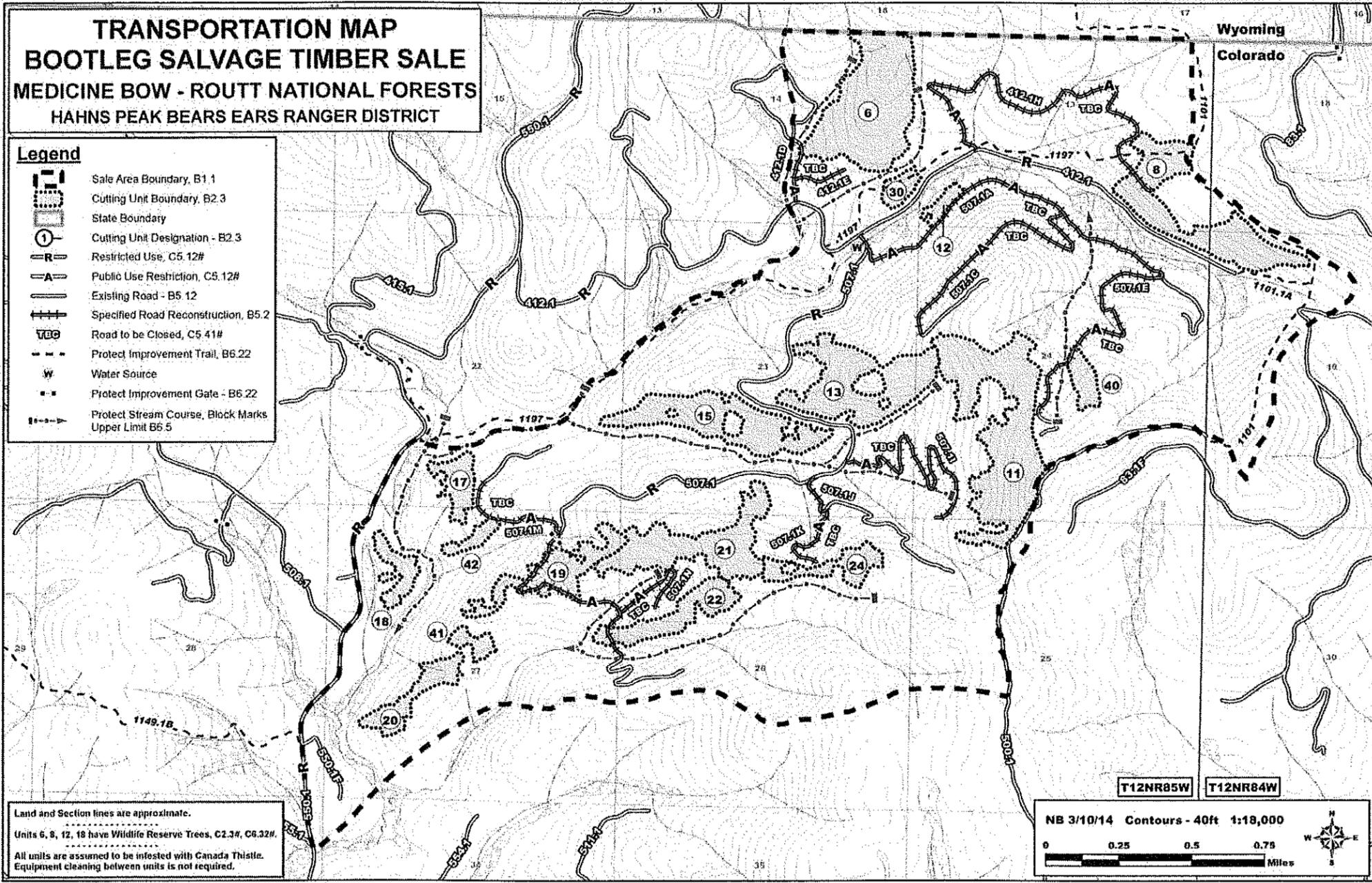
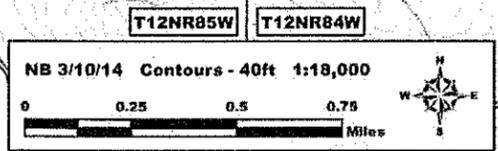


TRANSPORTATION MAP
BOOTLEG SALVAGE TIMBER SALE
MEDICINE BOW - ROUTT NATIONAL FORESTS
HAHNS PEAK BEARS EARS RANGER DISTRICT

- Legend**
- Sale Area Boundary, B1.1
 - Cutting Unit Boundary, B2.3
 - State Boundary
 - Cutting Unit Designation - B2.3
 - Restricted Use, C5.12#
 - Public Use Restriction, C5.12#
 - Existing Road - B5.12
 - Specified Road Reconstruction, B5.2
 - Road to be Closed, C5.41#
 - Protect Improvement Trail, B6.22
 - Water Source
 - Protect Improvement Gate - B6.22
 - Protect Stream Course, Block Marks Upper Limit B6.5



Land and Section lines are approximate.
 Units 6, 8, 12, 18 have Wildlife Reserve Trees, C2.3#, C6.32#.
 All units are assumed to be infested with Canada Thistle.
 Equipment cleaning between units is not required.



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DRAWINGS FOR
 RO-C5.41#
 Closure to Use by Others
**BOOTLEG SALVAGE
 TIMBER SALE**
 HAHNS PEAK/BEARS EARS
 RANGER DISTRICT

INDEX TO SHEETS

1. TITLE SHEET/PROJECT MAP
2. 412.1D&E DESCRIPTION OF WORK
3. 412.1H & 507.1 DESCRIPTION OF WORK
4. 507.1A&C DESCRIPTION OF WORK
5. 507.1E&I DESCRIPTION OF WORK
6. 507.1J&K DESCRIPTION OF WORK
7. 507.1M&N DESCRIPTION OF WORK
8. RECONTOURING DETAIL
9. TYPE I WATER BAR DETAIL
10. SLASH/LOG BARRICADE DETAIL
11. GATE DETAIL

I APPROVE THE ENGINEERING ASPECTS OF THESE DRAWINGS
 I RECOMMEND THIS PROJECT AND CERTIFY THAT ADEQUATE FUNDING IS AVAILABLE
 THESE DRAWINGS COMPLY WITH LAND AND RESOURCE MANAGEMENT PLANS
 APPROVED

Joseph M. Brown
 Qualified Engineer
 3-25-14
 Date

Hana R. Bardsley
 Forest Engineer
 3/25/14
 Date

Paul G. Stewart
 District Ranger
 3-25-14
 Date

Paul G. Stewart
 Forest Supervisor
 3-25-14
 Date

Forest
 Medicine Bow-Routt NFs
 and Thunder Basin Grassland
 Project Name
 Bootleg Salvage Timber Sale

Sheet Title		
TITLE SHEET		
Scale	Sheet	
NONE	1 of 11	

DESCRIPTION OF WORK

NFSR 412.1D						TYPE: Post-Haul Closures
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I -- See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed	General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications
Item Number	N/A	N/A	N/A	N/A	N/A	
Unit of Measure	LF	Each	LF	Each	LF	
Station						Description of Work
0+00	↓					BOP: NFSR 412.1D Landmark: Jnct NFSR 412.1 @ MP 1.39 Begin recontour
2+30	↓					End recontour
9+09						Landmark: Unit Boundary #6, no stake, Begin seeding
11+90					↓	Landmark: Live stream, culvert pulled, End seeding EOP 412.1D
TOTALS	230				960	

DESCRIPTION OF WORK

NFSR 412.1E						TYPE: Post-Haul Closures
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I -- See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed	General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications
Item Number	N/A	N/A	N/A	N/A	N/A	
Unit of Measure	LF	Each	LF	Each	LF	
Station						Description of Work
0+00					↓	BOP: NFSR 412.1E Landmark: Jnct NFSR 412.1D & 412.1E
12+00					↓	Landmark: End of Road EOP: NFSR 412.1E
TOTALS					1200	



DESCRIPTION OF WORK

NFSR 412.1H						TYPE: Post-Haul Closures	
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I - See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Rip and seed	General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications	
Item Number	N/A	N/A	N/A	N/A	N/A		
Unit of Measure	LF	Each	LF	Each	LF		
Station						Description of Work	
0+00						BOP: NFSR 412.1H - Decomission Landmark: Jnct FSR 412.1 @ MP 2.23 Begin Recontouring Road (Sta 0+00 to 2+45)	
0+72						Landmark: Trail 1197 on the right, no stake	
1+58						Landmark: Trail 1197 on the left. No stake- Restore to trail specs when decomissioning	
1+69						Landmark: Sign for 1197 on the left	
2+45	↓ 245'					End recontour	
2+90						Begin Rip and Seed	
29+39						18'x20' CMP - Remove and dispose. Bring back to natural drainage.	
30+16						18'x24' CMP - Remove and dispose. Bring back to natural drainage.	
48+01						18' x 20' CMP - Remove and dispose. Bring back to natural drainage.	
69+80						18" CMP - Remove and dispose. Bring back to natural drainage.	
85+86					↓ 8341'	Landmark: End of Road, End rip and seed EOP: NFSR 412.1H	
TOTAL	245				8341'		

DESCRIPTION OF WORK

NFSR 507.1						TYPE: Post-Haul Closures	
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Rolling Dip (R/D)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed	General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications	
Item Number	N/A	N/A	N/A	N/A	N/A		
Unit of Measure	LF	Each	LF	Each	LF		
Station						Description of Work	
56+96						BOP: NFSR 507.1 @ MP 2.6 Begin Seeding	
99+72					↓	EOP: 507.1. Landmark: Live stream, End of 507.1 - End Seeding	
TOTAL					4276		



DESCRIPTION OF WORK

NFSR 507.1A						TYPE: Post-Haul Closures	
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I -- See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed	General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications	
Item Number	N/A	N/A	N/A	N/A	N/A		
Unit of Measure	LF	Each	LF	Each	LF		
Station						Description of Work	
0+00	↓					BOP: NFSR 507.1A Landmark: Jct NFSR 507.1 @ MP 0.04 Begin Recontour	
2+23	↓					End Recontour, Begin seeding	
42+61		1				Construct Water Bar	
43+90		1				Construct Water Bar	
64+18					↓	Landmark: End of Road, Intersection with 507.1E, End Seeding EOP: NFSR 507.1A	
TOTALS	223	2			6195		

DESCRIPTION OF WORK

NFSR 507.1C						TYPE: Post-Haul Closures	
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I -- See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed	General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications	
Item Number	N/A	N/A	N/A	N/A	N/A		
Unit of Measure	LF	Each	LF	Each	LF		
Station						Description of Work	
0+00						BOP: NFSR 507.1C Landmark: Jct NFSR 507.1A @ MP 0.85 Begin seeding	
5+98		1				Construct Water Bar	
10+09		1				Construct Water Bar	
13+90		1				Construct Water Bar	
50+02					↓	Landmark: End of road End Seeding EOP: NFSR 507.1C	
TOTALS		3			5002		



DESCRIPTION OF WORK

NFSR 507.1E						TYPE: Post-Haul Closures	
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I -- See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed		General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications
Item Number	N/A	N/A	N/A	N/A	N/A		
Unit of Measure	LF	Each	LF	Each	LF		
Station							Description of Work
0+00							BOP: NFSR 507.1E Landmark: Jnct NFSR 412.1 @ MP 0.79 Begin seeding
17+46		1					Construct Water Bar
37+36							Landmark: End of Road End seeding EOP: NFSR 507.1E
TOTALS		1				3736	

DESCRIPTION OF WORK

NFSR 507.1I						TYPE: Post-Haul Closures	
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I -- See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed		General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications
Item Number	N/A	N/A	N/A	N/A	N/A		
Unit of Measure	LF	Each	LF	Each	LF		
Station							Description of Work
0+00							BOP: NFSR 507.1I Landmark: Jnct NFSR 507.1 @ MP 1.39 Begin seeding
1+00				1			Install Road Closure Device -- Type Slash/Log Barricade (Use On-Site Material)
6+78		1					Construct Water Bar
11+86		1					Construct Water Bar
18+87		1					Construct Water Bar
29+67		1					Construct Water Bar
50+78							Landmark: End of Road End Seeding EOP: NFSR 507.1I
TOTALS		4		1		5078	



DESCRIPTION OF WORK

NFSR 507.1J						TYPE: Post-Haul Closures
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I -- See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed	General Notes: 1) R/D = Rolling Dip 2) Use in conjunction with Provision C5.41#
Item Number	N/A	N/A	N/A	N/A	N/A	
Unit of Measure	LF	Each	LF	Each	LF	
Station						Description of Work
0+00						BOP: NFSR 507.1J Landmark: Jnct NFSR 507.1 @ MP 1.52, Begin seeding
2+27				1		Install Road Closure Device -- Type Slash/Log Barricade (Use On-Site Material)
5+76						Landmark: EOP, NFSR 507.1J Intersection with 507.1K (507.1J continues to the right, switches back and crosses over 507.1K ahead), Continue seeding onto 507.1K
TOTALS				1	576	

DESCRIPTION OF WORK

NFSR 507.1K						TYPE: Post-Haul Closures
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I -- See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed	General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications
Item Number	N/A	N/A	N/A	N/A	N/A	
Unit of Measure	LF	Each	LF	Each	LF	
Station						Description of Work
0+00						BOP: NFSR 507.1K Landmark: Jnct NFSR 507.J at 5+76 stake of 507.1J Begin seeding
1+48						Landmark: second intersection with 507.1J, it loops around to the right and crosses over 507.1K, no stake
14+42						Landmark: End of road End seeding EOP: NFSR 507.1K
TOTALS					1442	



DESCRIPTION OF WORK

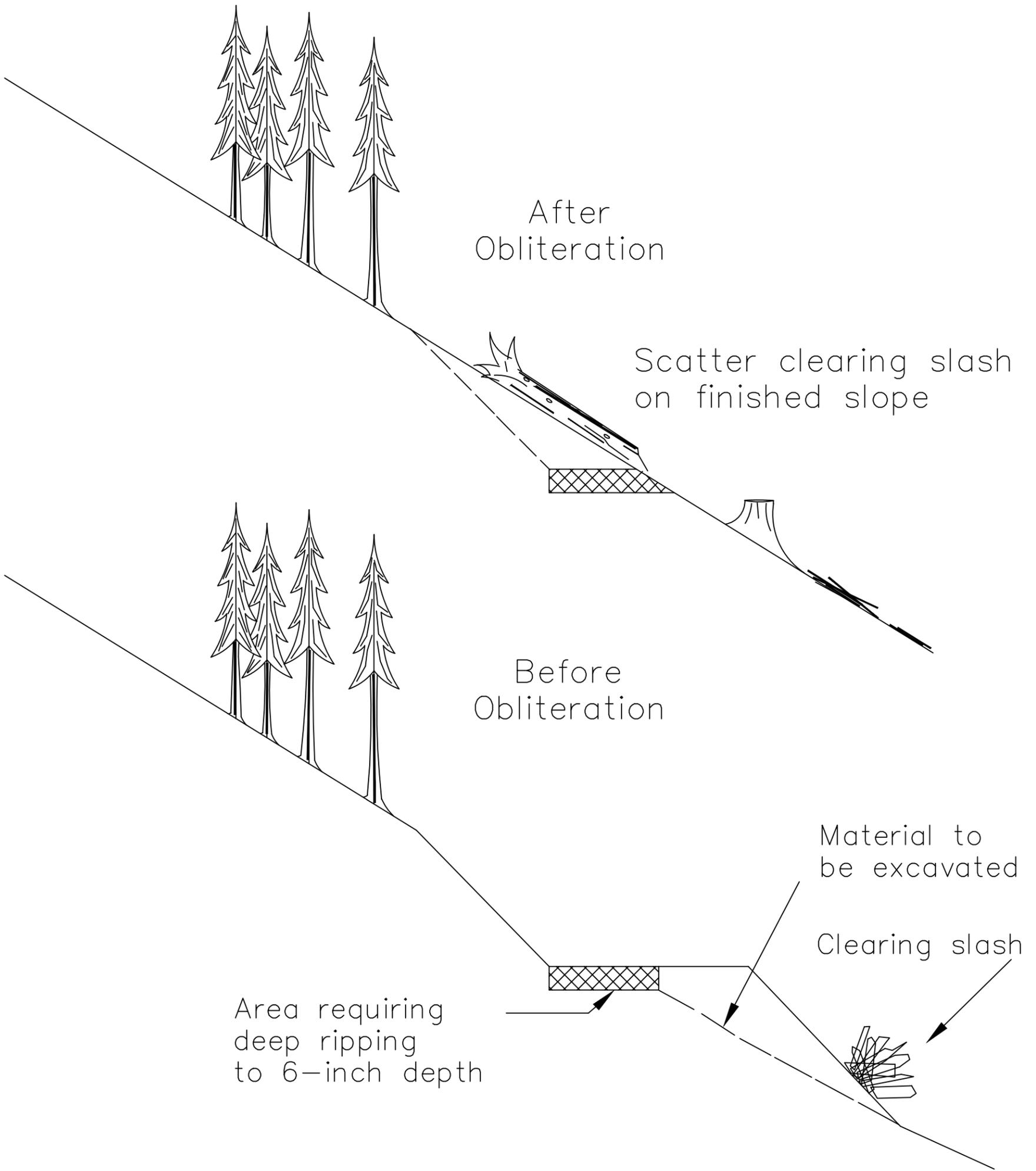
NFSR 507.1M						TYPE: Post-Haul Closures
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I -- See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed	General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications
Item Number	N/A	N/A	N/A	N/A	N/A	
Unit of Measure	LF	Each	LF	Each	LF	
Station						Description of Work
0+00						BOP: NFSR507.1M Landmark: NFSR 507.1 @ ~ MP 2.58
0+72				1		Install Road Closure Device -- Type Slash/Log Barricade (Use On-Site Material)
14+56					↓	Landmark: End of Road EOP: NFSR 507.1M
TOTALS				1	1456	

DESCRIPTION OF WORK

NFSR 507.1N						TYPE: Post-Haul Closures
	Road Closure; Type - Recontour & Seed	Drainage Excavation: Type - Water Bar (Type I -- See Typical in Plans)	Drainage Excavation: Type - Ditch	Furnish & Install Road Closure Device; Type - Slash/Log Barricade	Road Closure- Seed	General Notes: 1) Use in conjunction with Provision C5.41# 2) Ref. Provision CT6.601 for Seed Mix & Specifications
Item Number	N/A	N/A	N/A	N/A	N/A	
Unit of Measure	LF	Each	LF	Each	LF	
Station						Description of Work
0+00					↓	BOP: NFSR 507.1N Landmark: Jnct NFSR 507.1 on Left Station 89+18 of 507.1 Begin seeding
20+20					↓	Landmark: End of Road End seeding EOP: NFSR 507.1N
TOTALS					2020	

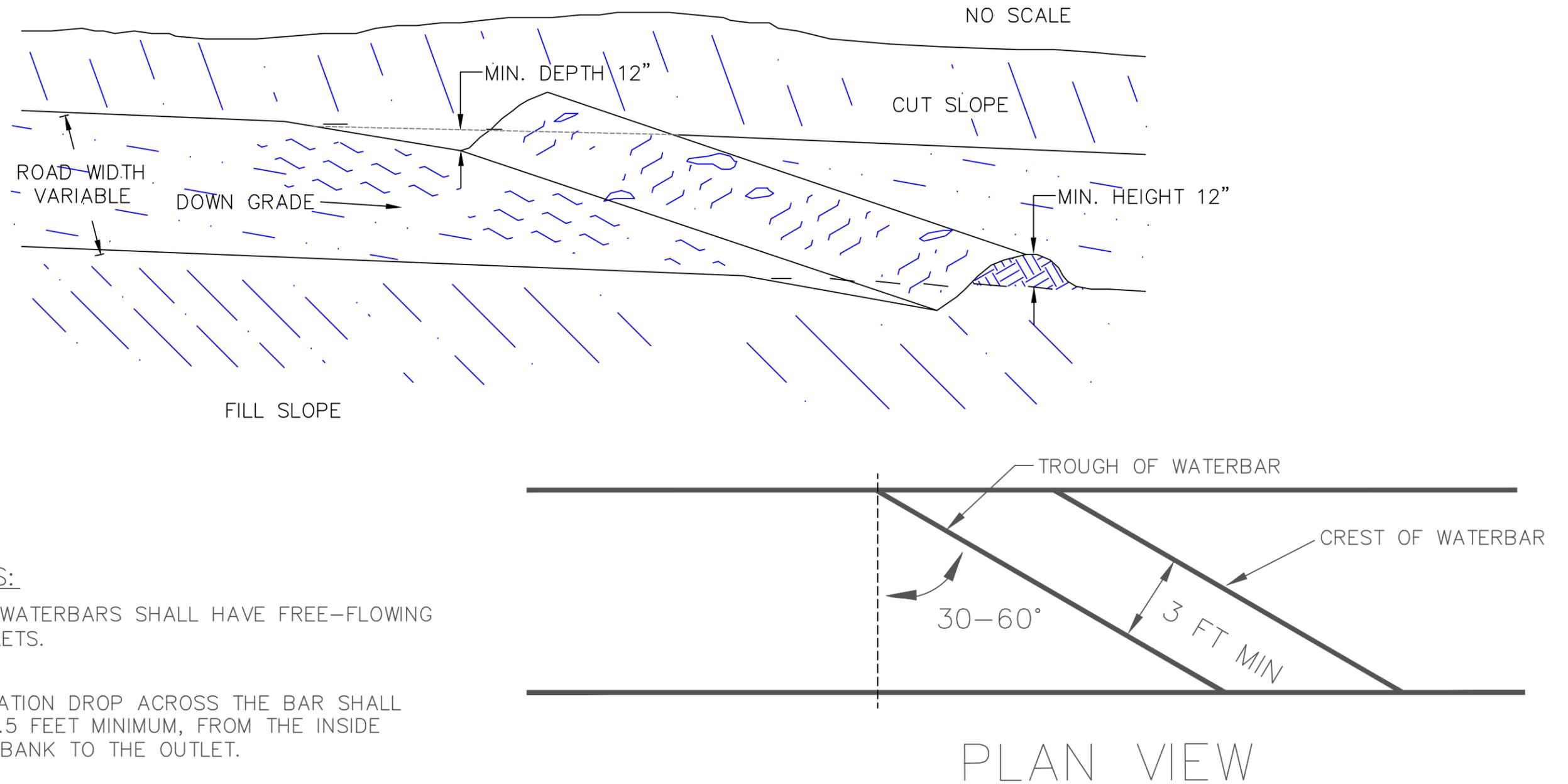


TYPICAL SIDESLOPE



TYPE I WATER BAR DETAIL

For Use on Closed Roads



NOTES:

1. ALL WATERBARS SHALL HAVE FREE-FLOWING OUTLETS.
2. ELEVATION DROP ACROSS THE BAR SHALL BE 0.5 FEET MINIMUM, FROM THE INSIDE CUT BANK TO THE OUTLET.

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Medicine Bow-Routt NFs
and Thunder Basin Grassland

Project Name

Bootleg Salvage Timber Sale

Sheet Title

TYPE I WATER BAR DETAIL

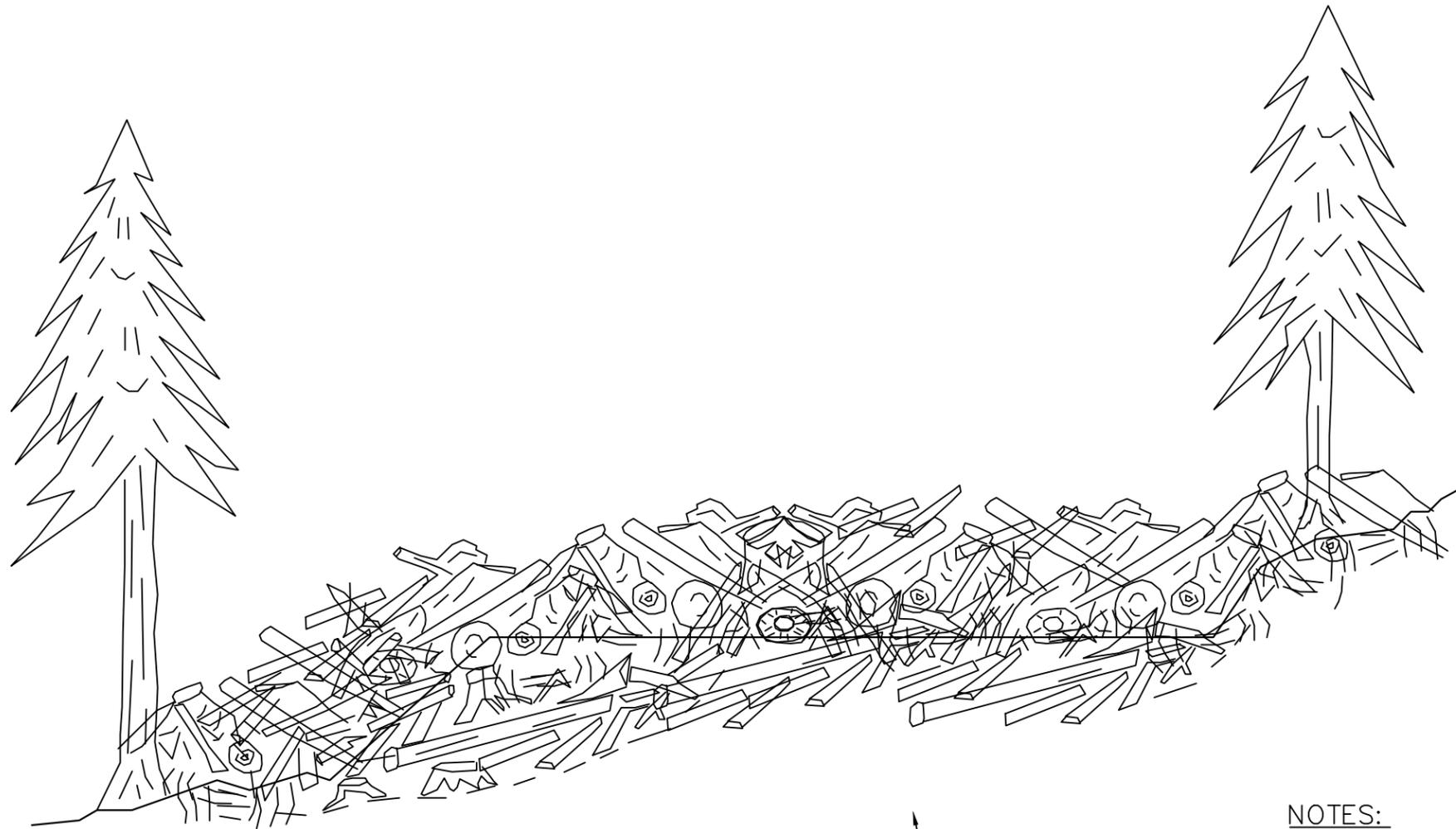
Scale

NONE

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Road No.



NOTES:

1. SPREAD SLASH AND LOGS TO COMPLETELY BLOCK ROAD TO VEHICULAR TRAFFIC.
2. ANCHOR TO NATURAL PINCH POINTS (INCLUDING LIVE TREES).
3. SLASH SHALL BE DISTRIBUTED TO AVOID CONCENTRATIONS OR MATTING.
4. BARRICADE SHOULD BE AT LEAST 3' TALL AND 15' LONG, IN ADDITION TO SPANNING THE TRAVELLED WAY AND SHOULDERS.

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**Medicine Bow-Routt NFs
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SLASH/LOG BARRICADE DETAIL

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Road No.

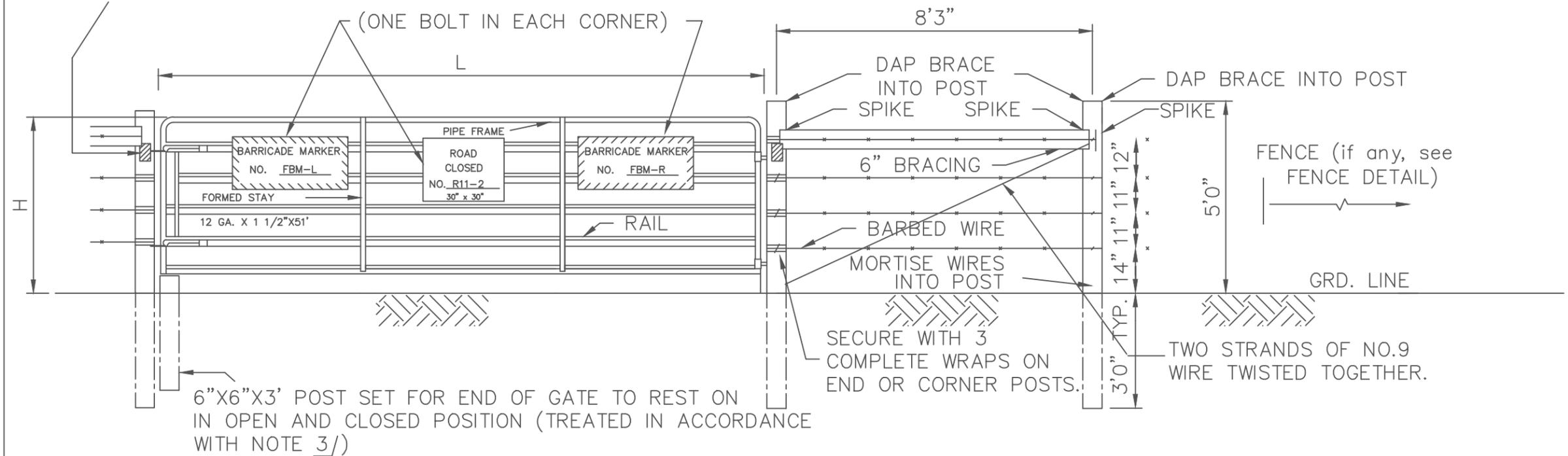
CLOSURE GATE DETAILS

STANDARD BRACE PANEL

(Install at both ends of gate)

TYPE 2 OBJECT MARKER (6"x12")
EACH SIDE OF POST IN EACH END
OF GATE (4 required).

SIGNS ON GATE TO BE CENTERED
AND BOLTED TO FAILS USING 3/8"x4" BOLTS.
BARRICADE MARKERS ON BOTH SIDES OF GATE



NOTES: 1/ GATE FRAME IS MADE OF 1 1/4" HIGH STRENGTH TUBING,
1.66" O.D. (MIN. YIELD STRENGTH 50,000 P.S.I.).

2/ UNLESS OTHERWISE DESIGNATED ON THE PLANS OR
IN THE SCHEDULE OF ITEMS, THE IRON GATE WITH
A 16' OPENING WILL BE USED.

3/ ALL POSTS IN BRACE PANELS SHALL BE ROUGH
SAWN 6"x6"x8', PONDEROSA PINE, DOUGLAS FIR OR
WESTERN LARCH, NO. 2 OR STANDARD GRADE. POSTS
SHALL BE PRESSURE TREATED WITH PENTACHLOROPHENAL
(0.4 lbs/cu.ft. RETENTION.)

4/ ALL METAL PARTS SHALL BE PAINTED LIGHT GREEN

5/ INSTALL A 6"x6"x8' TIE BACK POST (EQUIVALENT TO
THOSE USED IN BRACE PANEL) TO SECURE GATE IN
OPEN POSITION. POST MUST BE SET TO RECEIVE LATCH
PINS IN ORDER THAT GATE MAY BE LOCKED OPEN.
INSTALL TYPE 2 OBJECT MARKER (6"x 12").
ON SIDE OF TIE BACK POST, AWAY FROM GATE.

6/ BARBED WIRE TO BE 12 1/2 GAGE, 2 POINT WITH
BARBS 4"-5" APART.

7/ ALL SIGNS (5 ea) AND OBJECT MARKERS (6 ea) REQUIRED ARE
INCIDENTAL TO GATE CONSTRUCTION.

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GATE DETAIL

Scale
NONE

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Road No.