Sweet Trunk Trail #274

Custer Gallatin National Forest

Big Timber Ranger District

Digitally signed by MATTHEW JEDRA
Date: 2026.04.21 12:20:17 -06'00'

FOREST SUPERVISOR _____ DATE _____

ZACHARY FISHER

Digitally signed by ZACHARY FISHER
Date: 2026.04.21 09:03:08 -06'00'

DISTRICT RANGER _____ DATE _____

Digitally signed by JEFFERSON FRADY
Date: 2026.04.21 12:32:30 -06'00'

FOREST ENGINEER _____ DATE _____

Sweet Trunk Trail 274

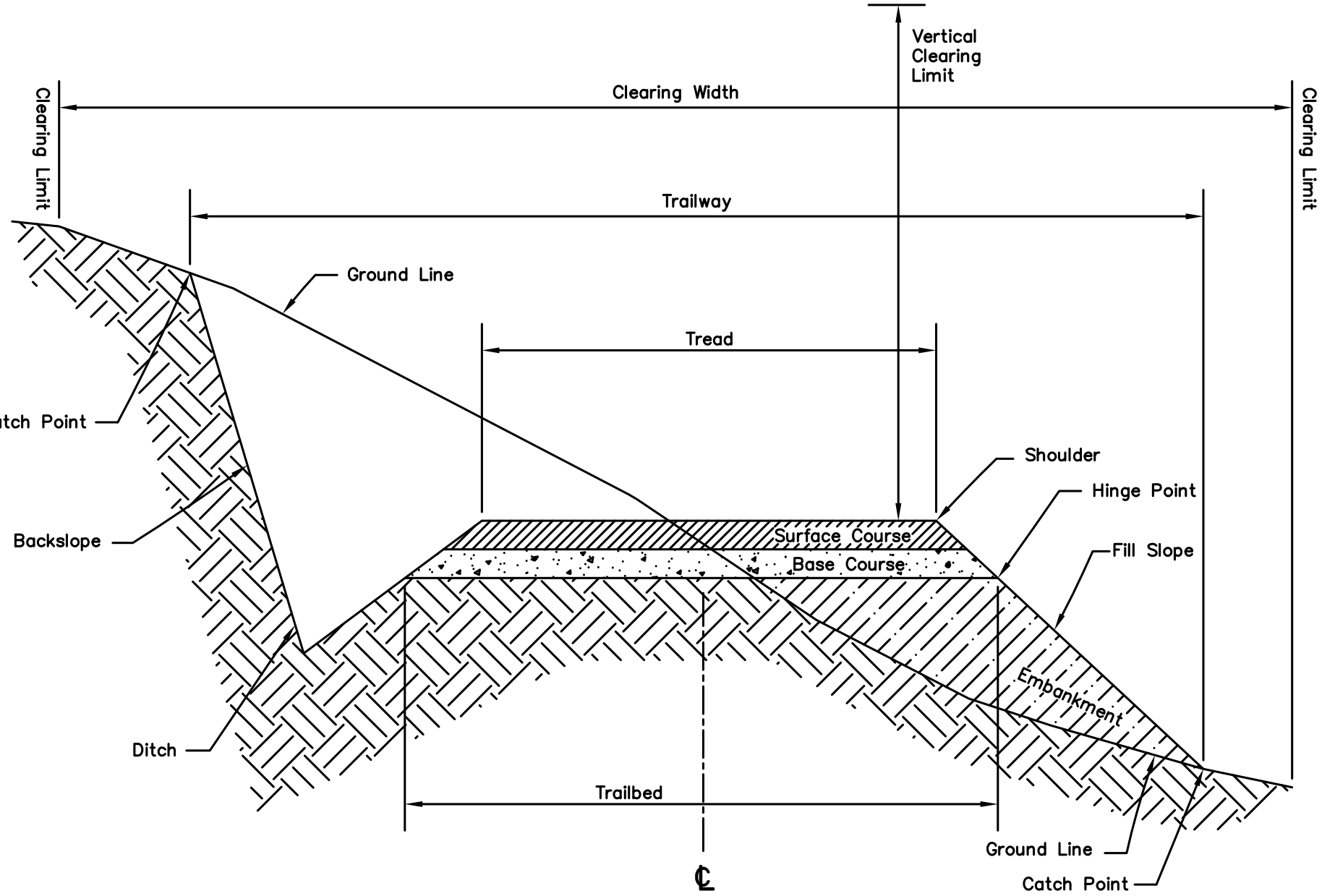
Big Timber Ranger District
Custer Gallatin National Forest

Standard Drawings
2026

No.	Drawing Description
900-1	ILLUSTRATION OF TERMS
911-1	CLEARING LIMITS
912-1	TYPICAL TRAIL CROSS SECTIONS
912-2	TRAILBED AND SLOPE FINISH
912-5	DRAIN DIP
912-	NOT USED
913-2	TURNPIKE TYPE II
914-1	SWITCHBACK - TYPE I
917-10	NATURAL FORD
921-2	CULVERT WITHOUT HEADWALLS
935-1	ROCK RETAINING WALL
952-1	SIGNS & POSTS
954-1	TRAIL OBLITERATION
	WIRE GATE
	GATE BRACE

ILLUSTRATION OF TRAIL STRUCTURE TERMS

NOT TO SCALE



SECTION

6/09

900-1 gnf

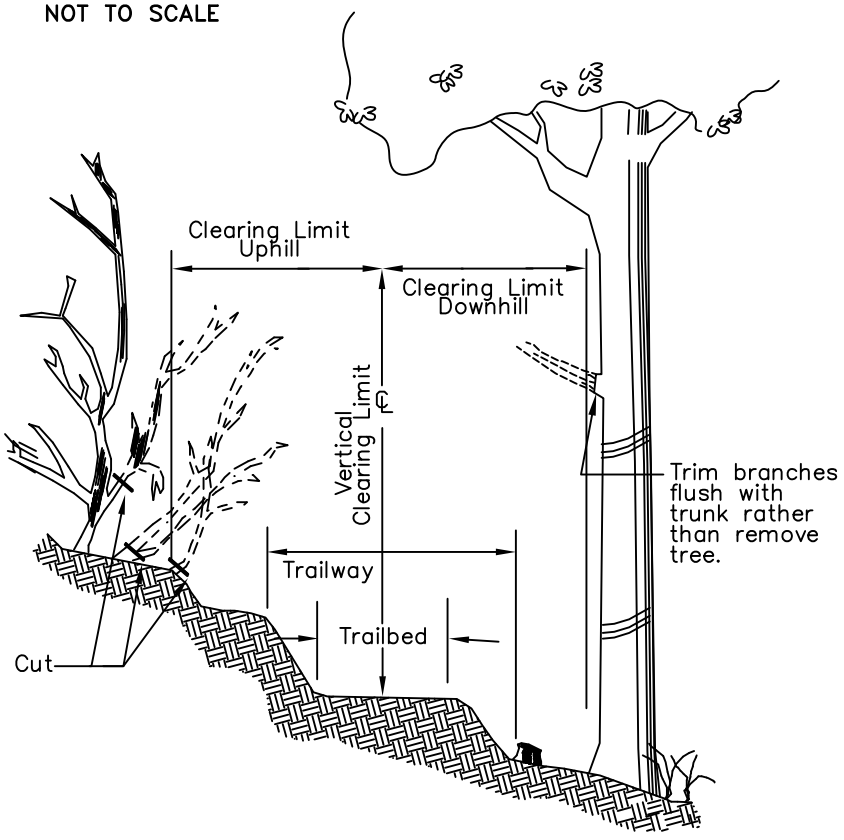
CLEARING LIMITS

NOT TO SCALE

Clearing Limits (feet)

Location	Uphill	Downhill	Height
ALL	4'	4'	12'

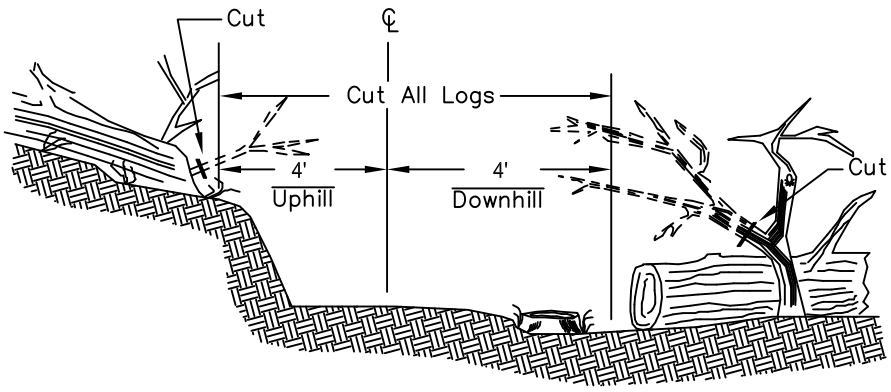
Do not remove trees over 12 inches in diameter if they are over 6 feet from the centerline (both sides).



Stump Height Requirements* (")

Stump Position	Side Slope	Uphill	Downhill
Stumps between the trailway and clearing limits.	Side slope less than or=to 10%	FLUSH	FLUSH
	Side slope over 10%	FLUSH	FLUSH
Stumps outside the clearing limits	Side slope less than or=to 10%	FLUSH	FLUSH
	Side slope over 10%	FLUSH	FLUSH

*All heights measured on uphill side of stumps.



TYPICAL TRAIL CROSS SECTIONS

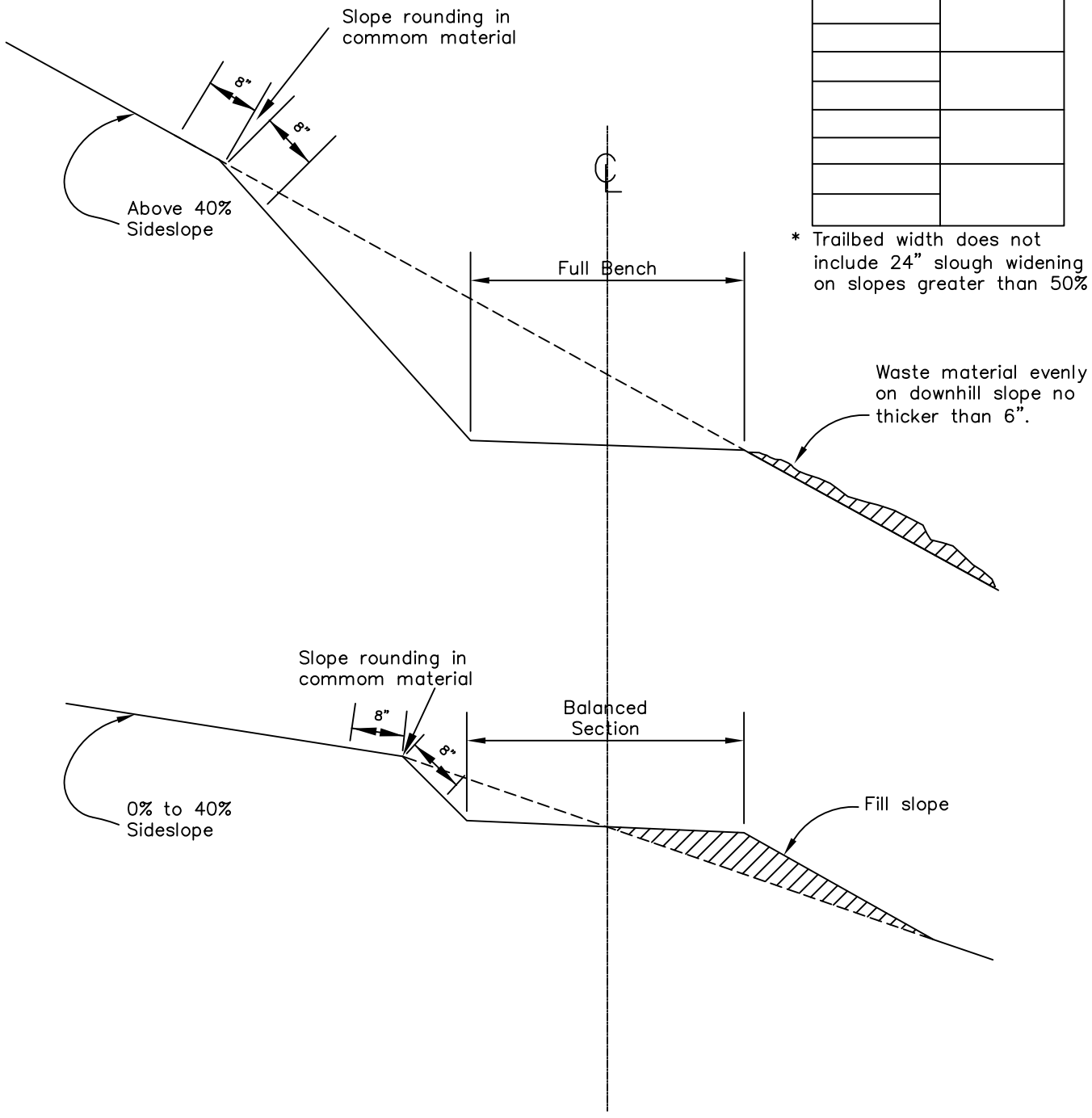
NOT TO SCALE

Full bench on any sideslope over 40 %. Outslope Trailbed.

Trailbed Width*

Location	Trailbed Width
ALL	36"

* Trailbed width does not include 24" slough widening on slopes greater than 50%



TRAILBED AND SLOPE FINISH

NOT TO SCALE

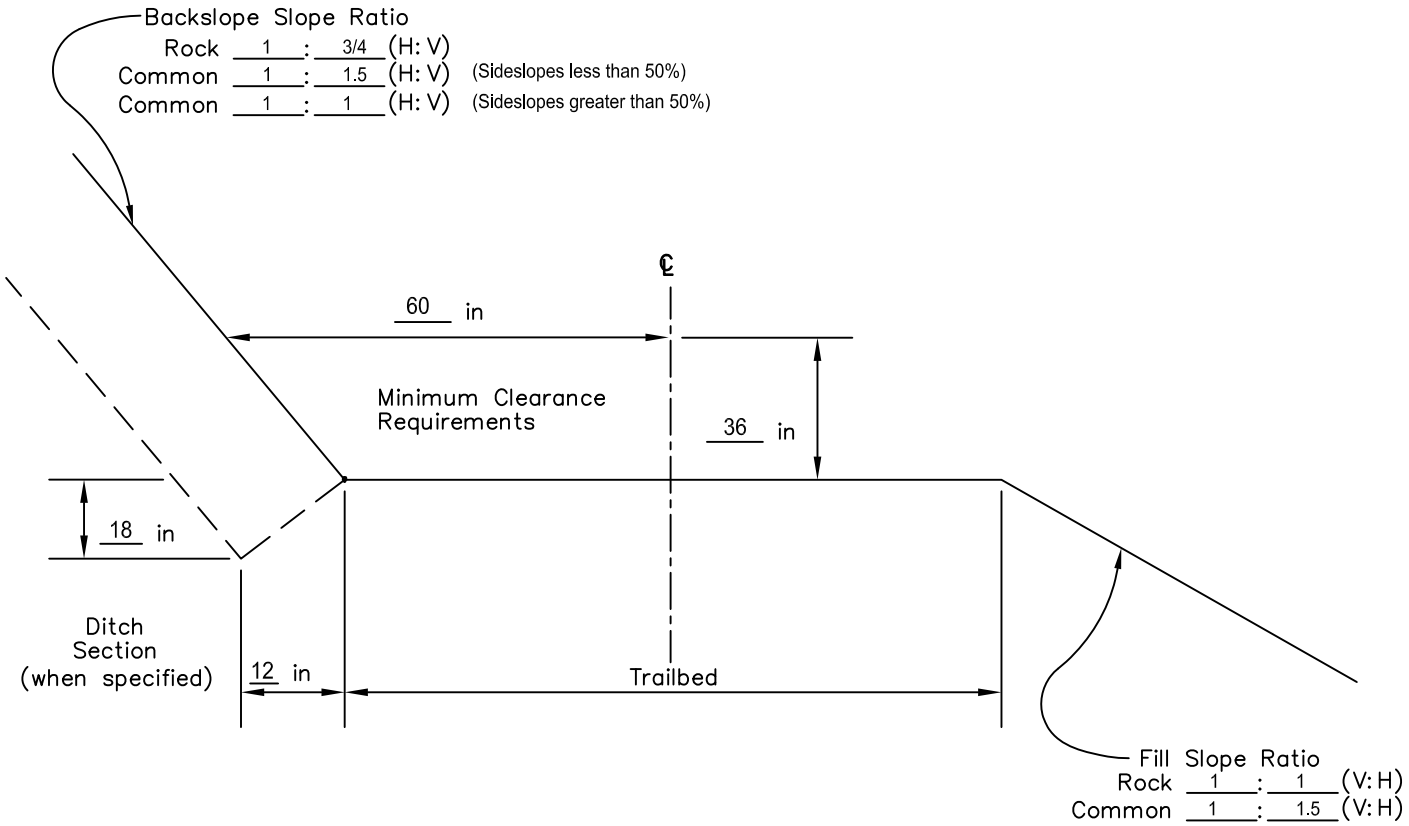
Slope Finish

Remove roots over 1 in in diameter that protrude from the backslope.

Trailbed Finish

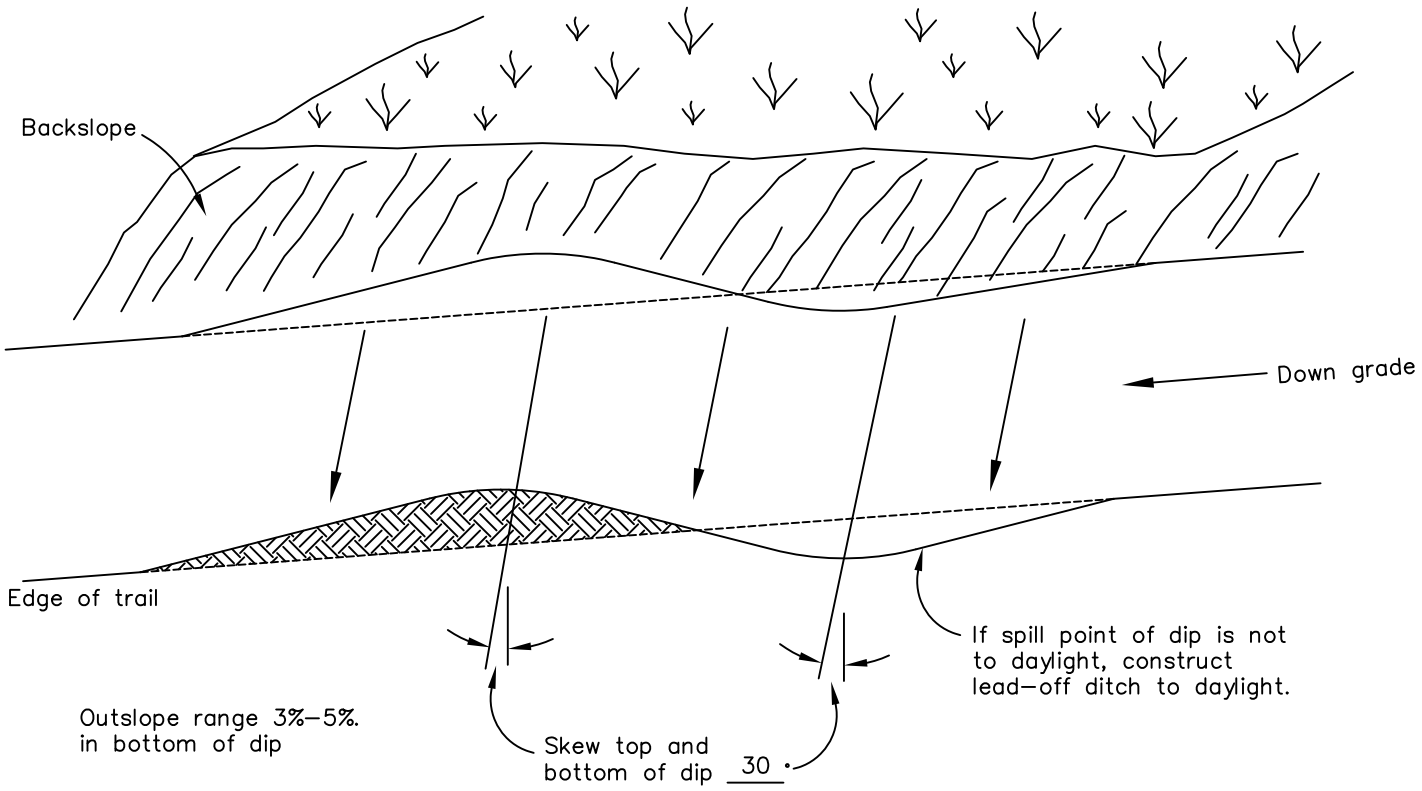
Remove loose rock on the trailbed surface over 2" in the smallest dimension.

Remove or reduce embedded rock that protrudes more than 1" above the trailbed.

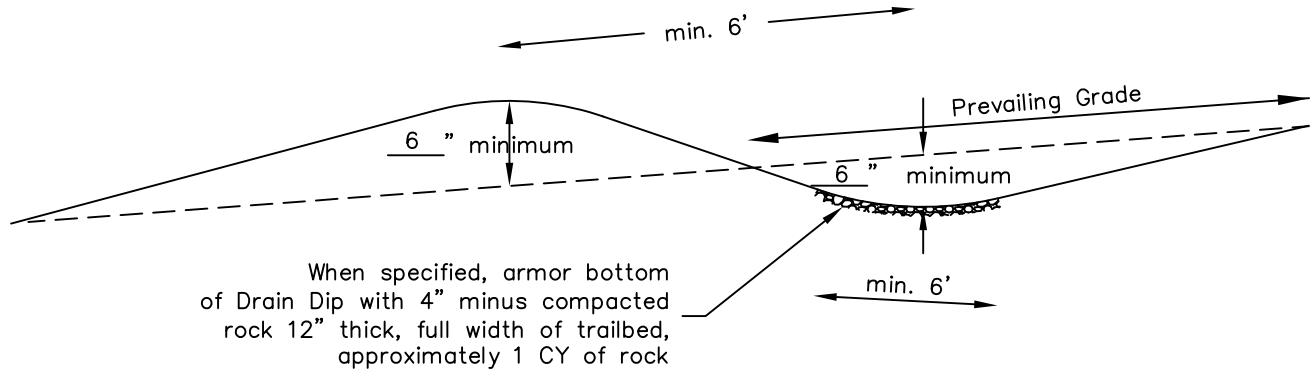


DRAIN DIP

NOT TO SCALE



PLAN VIEW



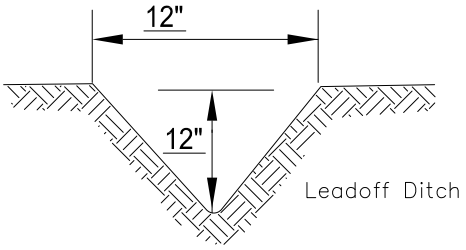
PROFILE

6/09 | 912–5 gnf

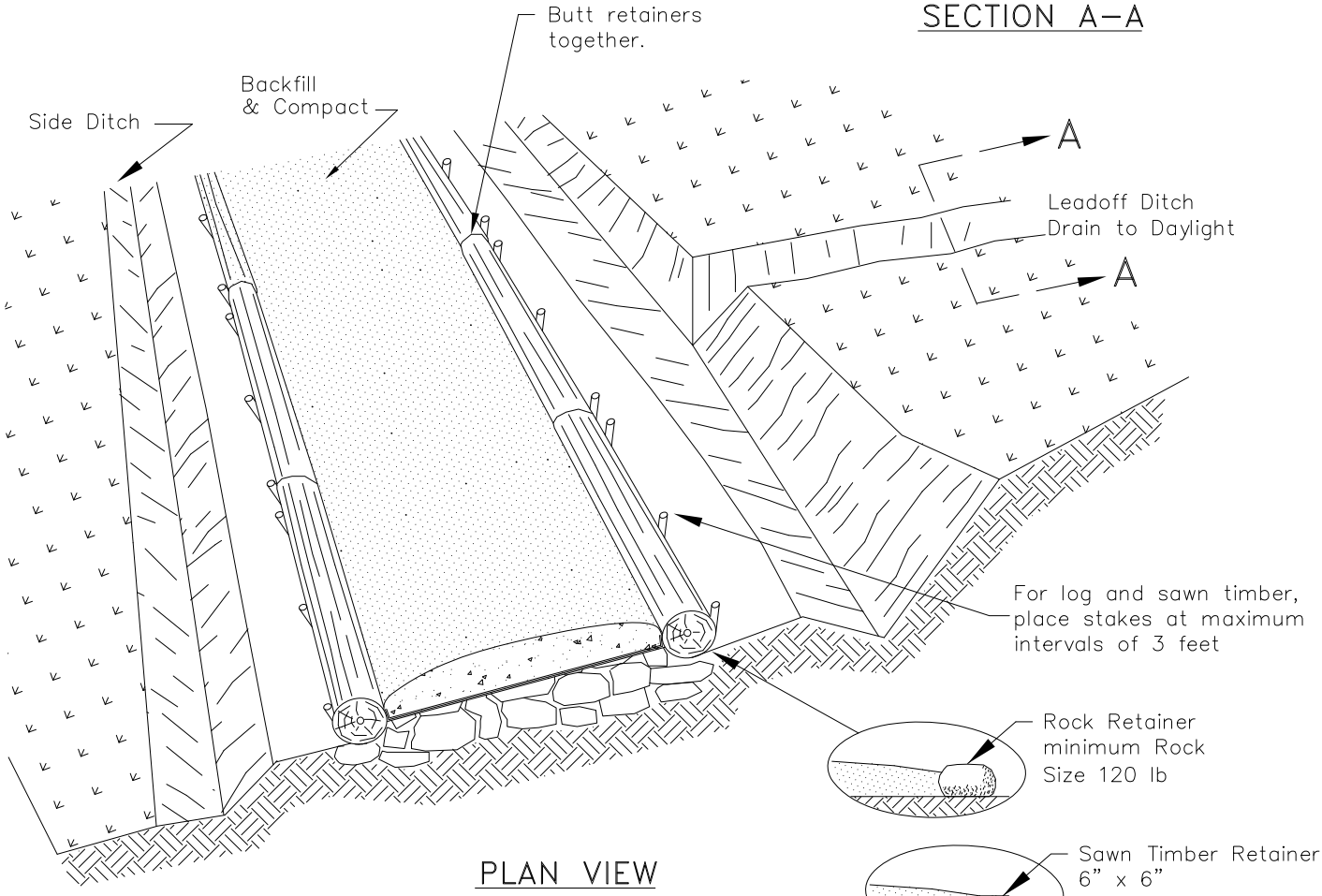
TURNPIKE –TYPE II

NOT TO SCALE

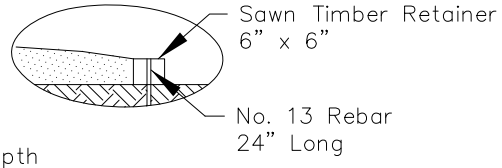
Backfill Material	Min. Size	Max. Size	% Max. Size
Rock	2"	6"	30%

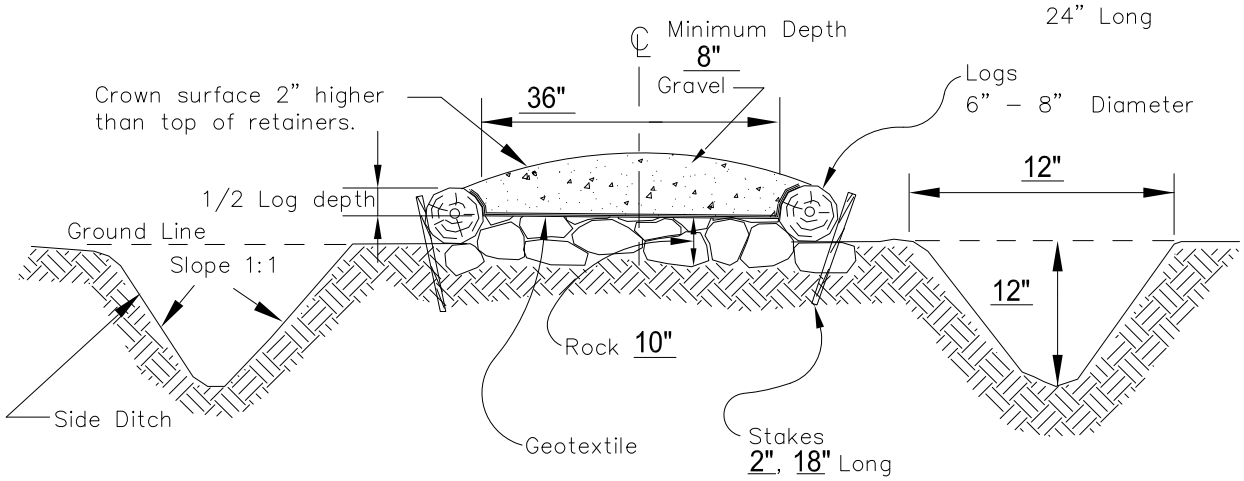


SECTION A–A



PLAN VIEW





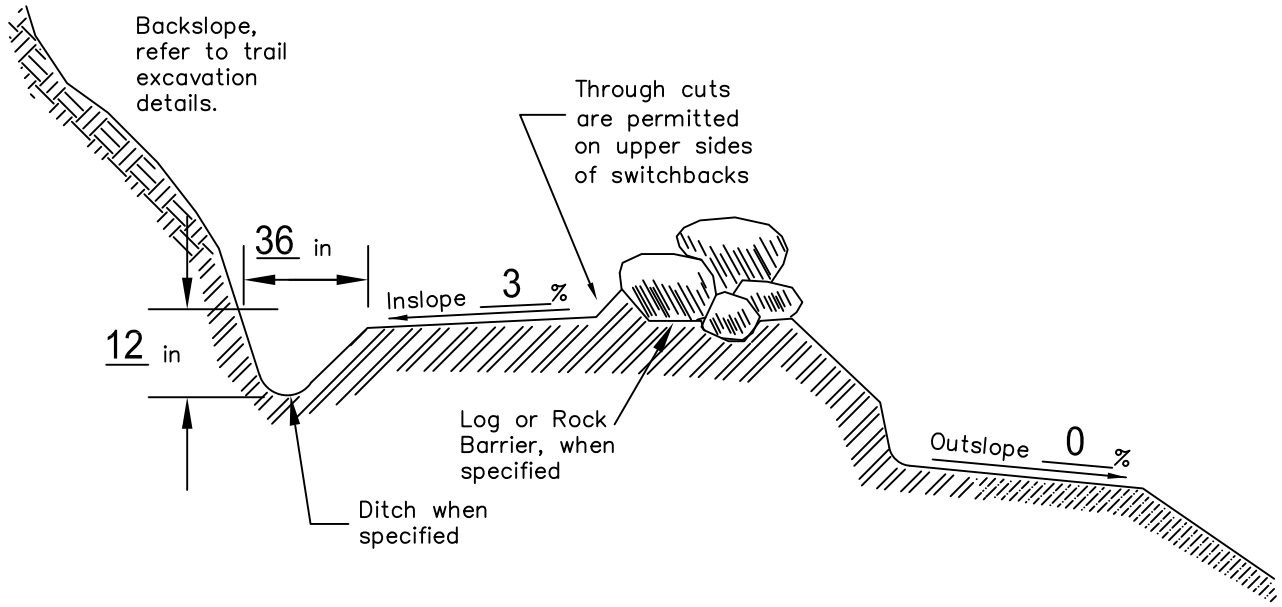
CROSS SECTION

2/17

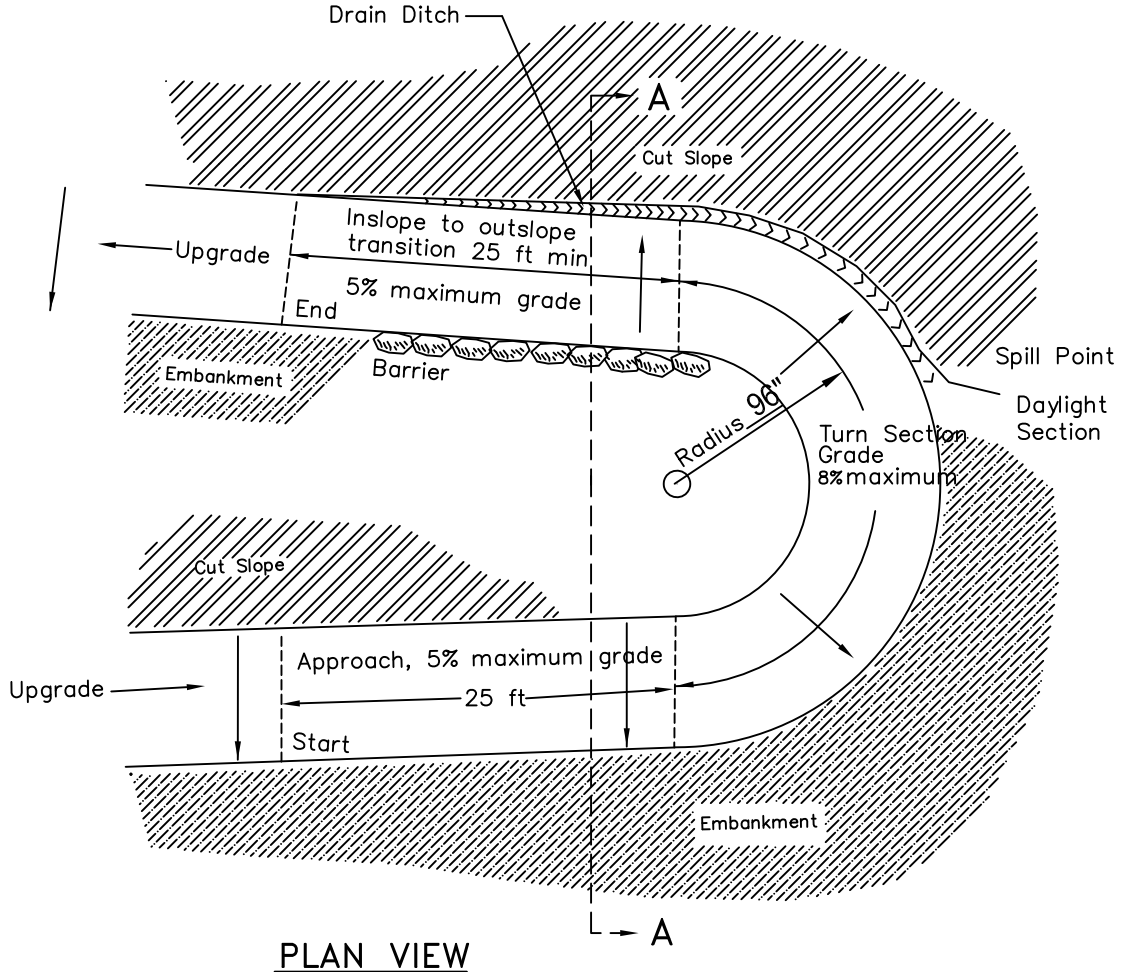
913–2 gnf

SWITCHBACK – TYPE I

NOT TO SCALE



SECTION A–A

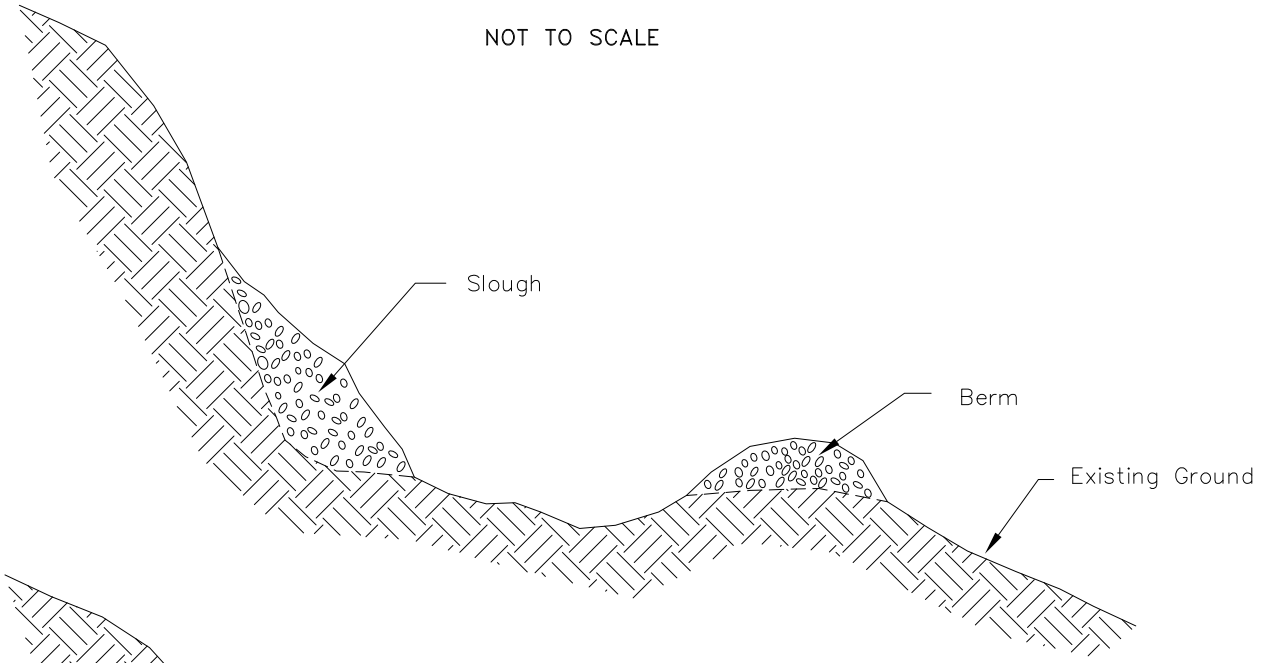


Radius point is staked at each individual site.

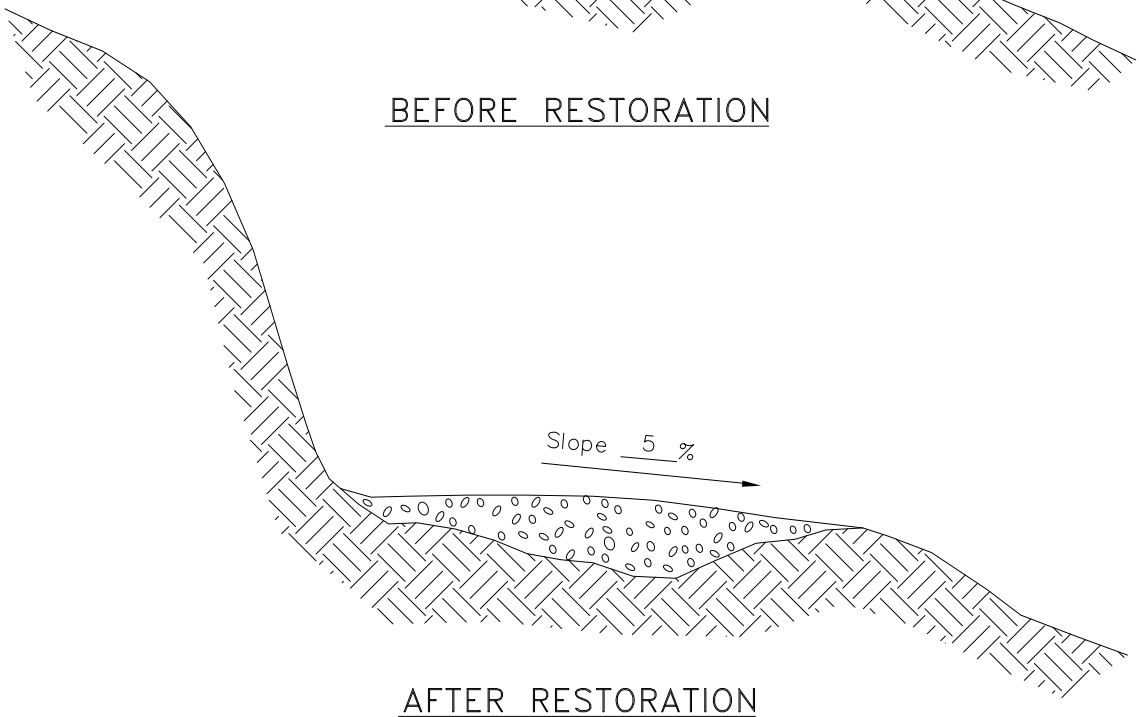
PLAN VIEW

EXISTING TRAIL RECONDITIONING

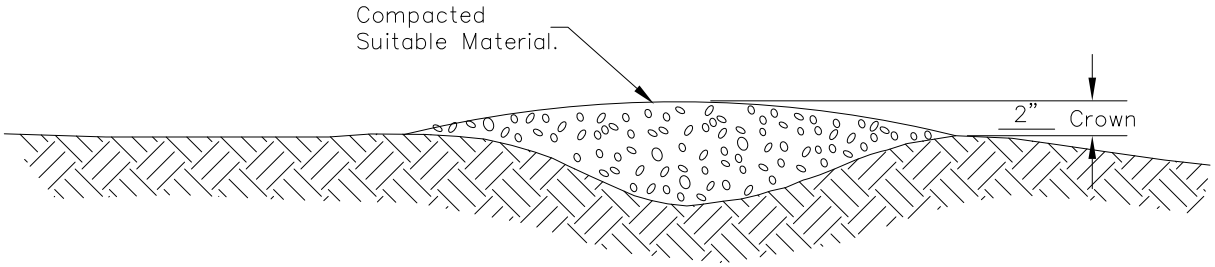
NOT TO SCALE



BEFORE RESTORATION



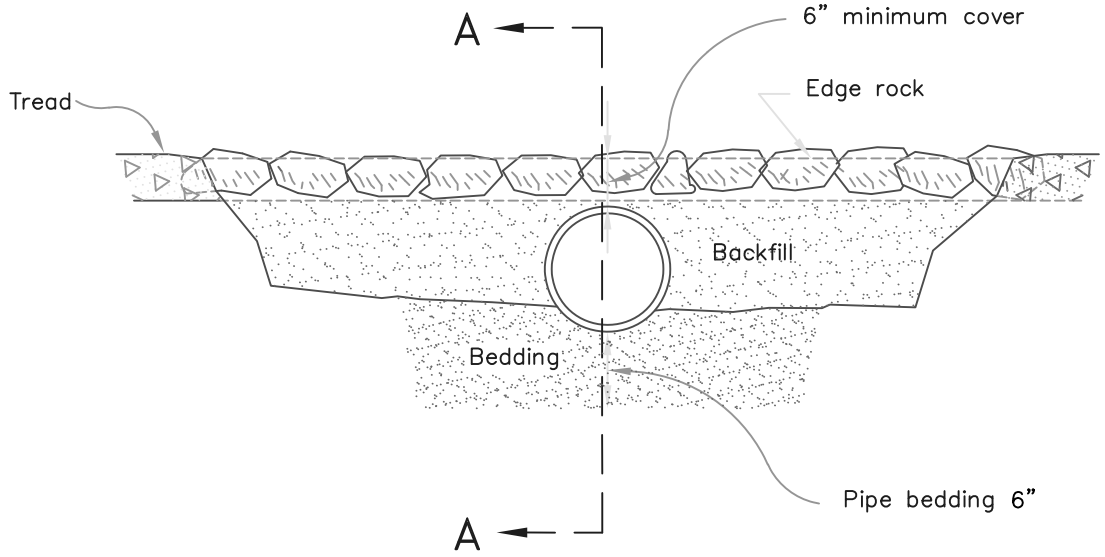
AFTER RESTORATION



FLAT SLOPES

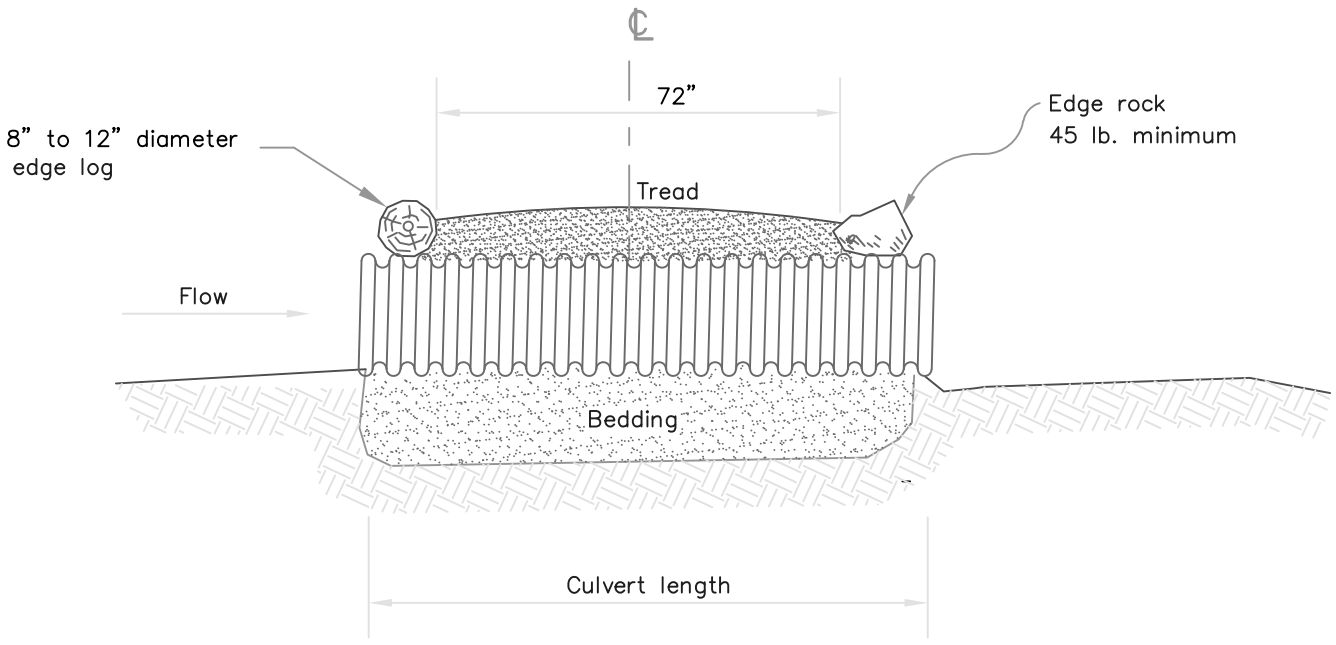
CULVERT WITHOUT HEADWALLS

NOT TO SCALE



END VIEW

Headwall rocks:
20 kg minimum
50% larger than
30 kg



SECTION A–A

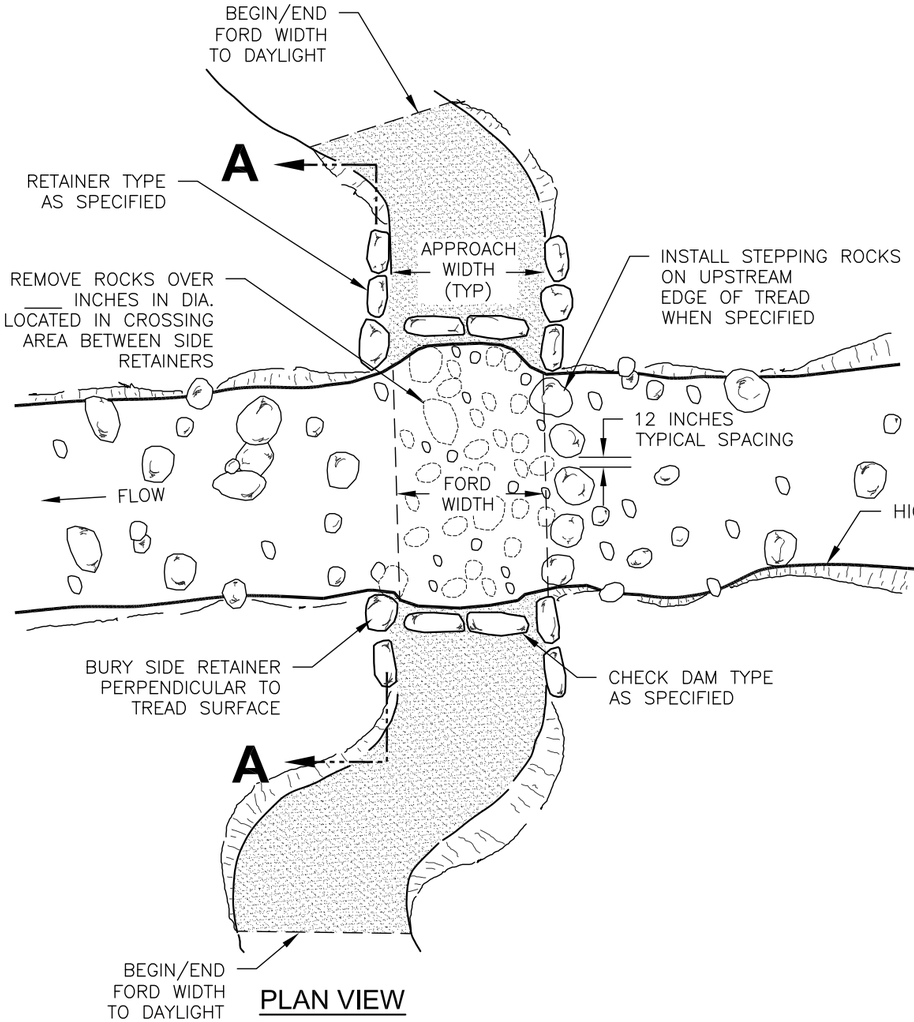
NATURAL FORD STRUCTURE

		APPROACHES				SIDE RETAINERS*		MINIMUM ROCK SIZE			
TYPICAL ID	FORD WIDTH	WIDTH	GRADE	SURFACE TYPE	SURFACE DEPTH	TYPE	SIZE	CHECK DAM**** TYPE	STEPPING ROCK (LBS)	RETAINER ROCK (LBS)	COMMENTS
NFD–1	36"			S 5		R					Match existing stream features for side,
											check, stepping and retainer rock.

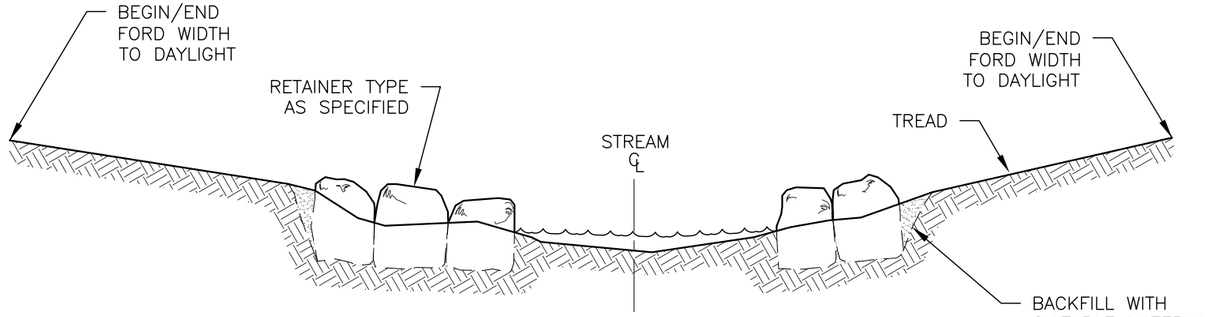
N/A WHEN NOT APPLICABLE
*FOR TYPICAL RETAINERS SEE SHEET STD_911–03
****FOR CHECK DAM SEE SHEET STD_928–01

SURFACE COURSE MATERIAL TYPE

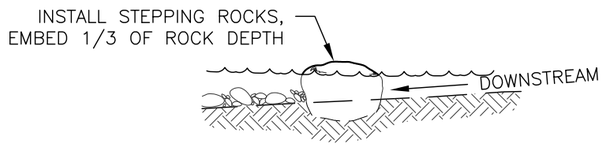
TYPE	MATERIAL	GRADATION	COMMENTS
S1	PITRUN		
S2	AGGREGATE		
S3	CLAY		
S4	WOODCHIPS		
S5	NATIVE		



PLAN VIEW



SECTION **A-A**



STEPPING ROCK DETAIL

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME **NATURAL FORD**

SECTION **917 - FORDS**

TYPICAL ID **NFD**

REVISION DATE **XX/XX/XX**

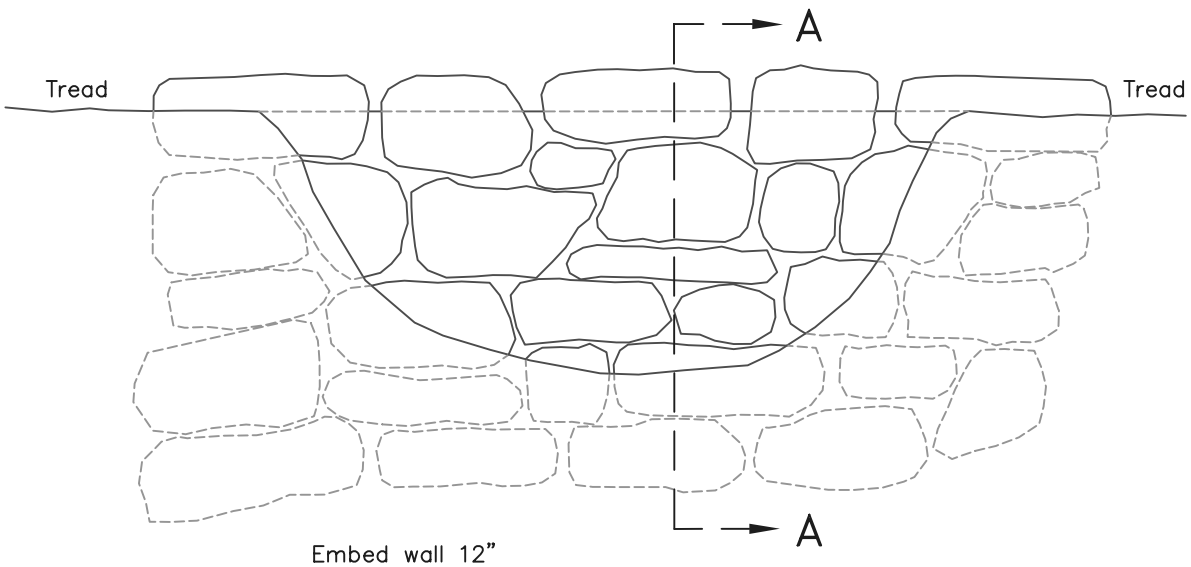
NO SCALE

DRAWING NO. **STD_917-10-01**

SHEET OF

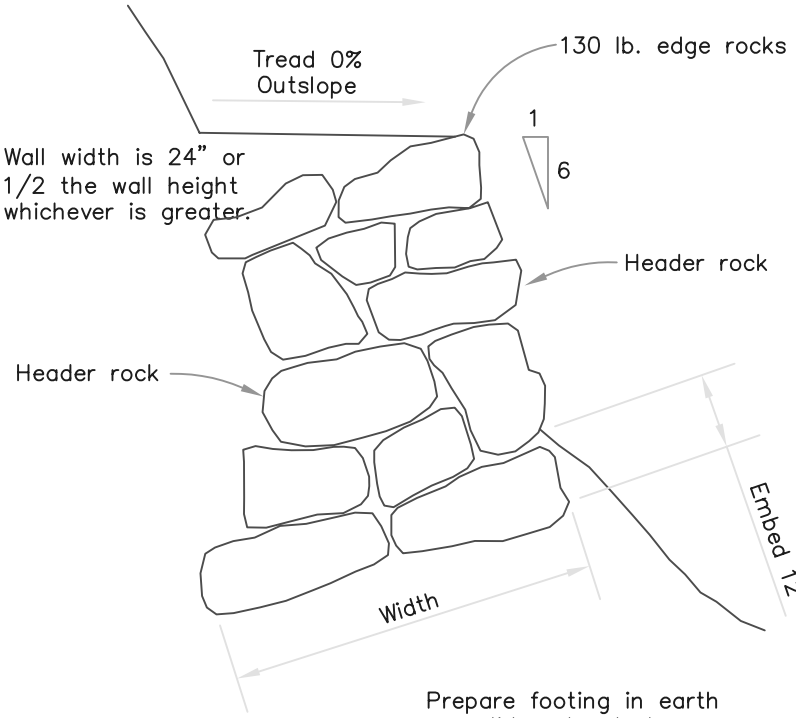
ROCK RETAINING WALL

NOT TO SCALE



Embed wall 12"
sides and bottom.

FRONT VIEW



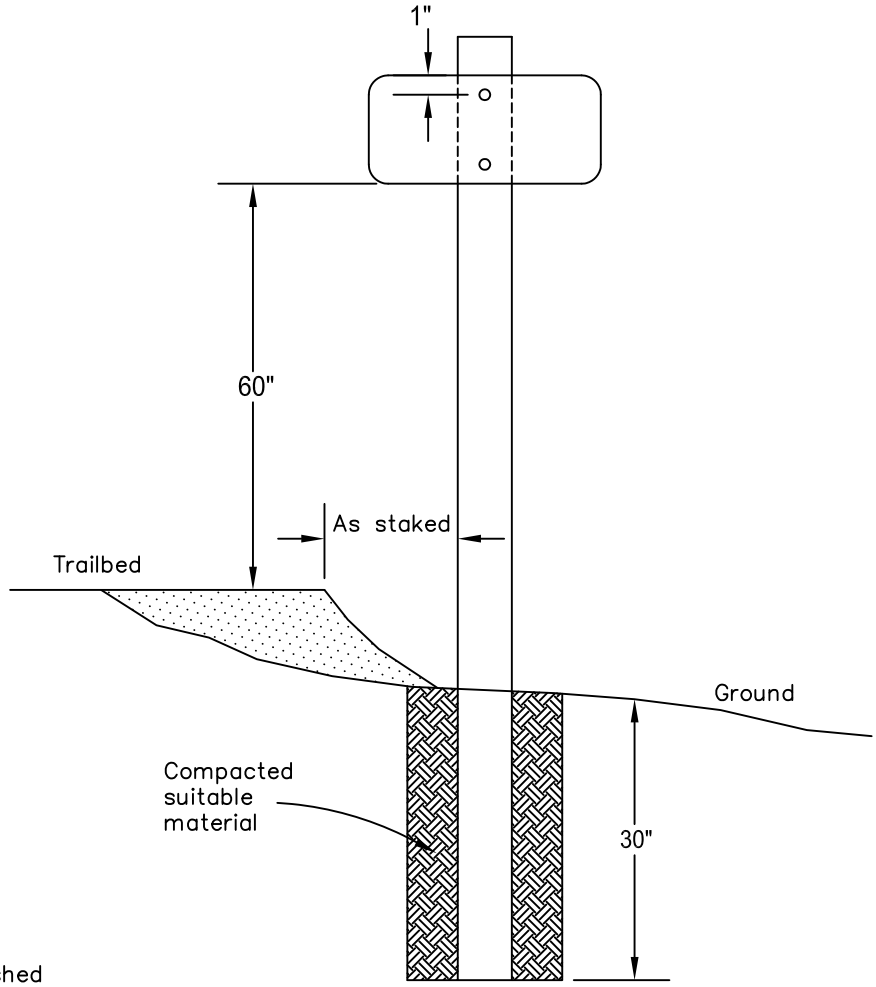
Prepare footing in earth
or solid rock. Inslope
foundation 20% to 30%.

LOCATION	HEIGHT (ft.)
As Specified	

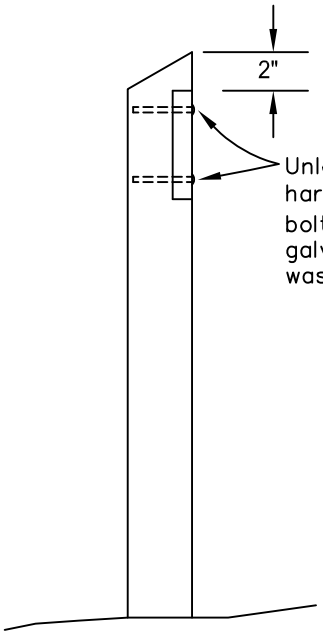
SECTION A–A

SIGN AND POST INSTALLATION

NOT TO SCALE



Install in location
As staked



Unless Gov't Furnished hardware, use Lag bolts, $\frac{1}{4}$" X 3" galvanized with washer.

Preservation type CCA or approved alternative

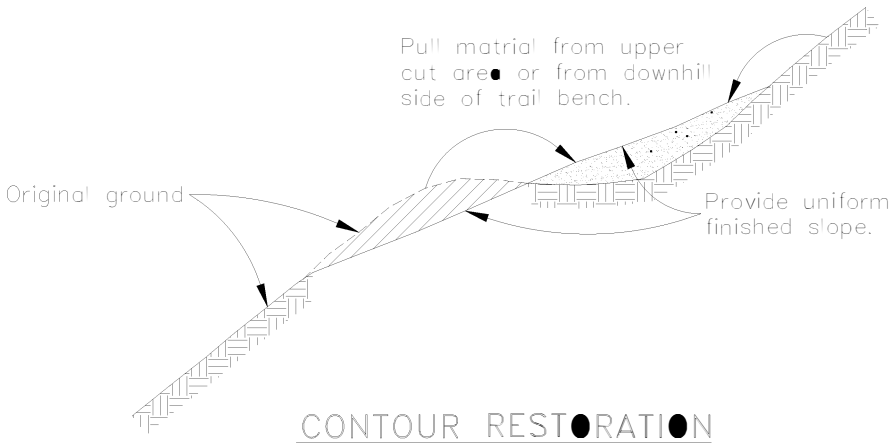
Minimum net retention 0.6 pcf or refusal

POSTS			SIGN
LOCATION	MATERIAL	SIZE	
As Shown	Round Wood	5-6" dia	Gov't furnished

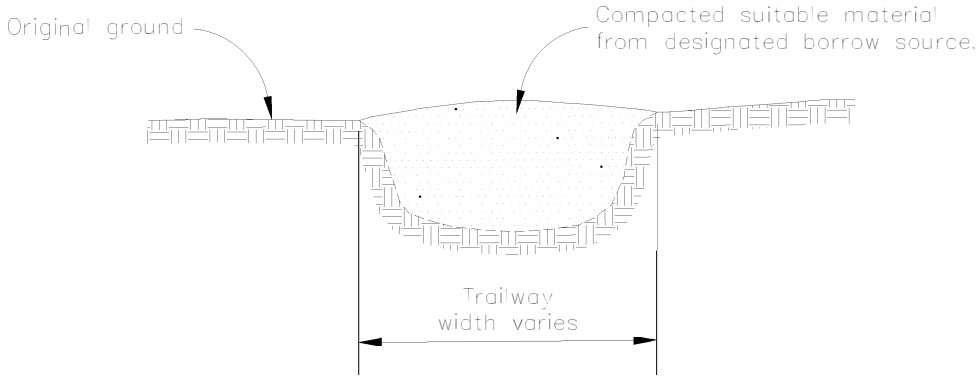
6/09 952–1 gnf

TRAIL OBLITERATION

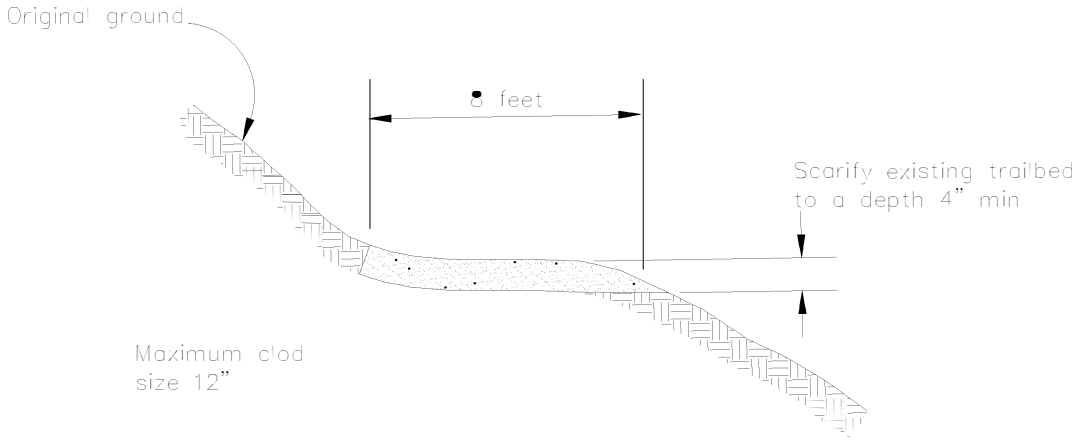
NOT TO SCALE



CONTOUR RESTORATION



TRENCH BACKFILL



SCARIFICATION