

STANISLAUS NATIONAL FOREST
 SUPPLEMENTAL SPECIFICATIONS FOR
 ROAD MAINTENANCE T-SPECIFICATIONS
 For Timber Sale Contracts

IN ADDITION TO THE STANDARD T- SPECIFICATIONS, THE FOLLOWING
 SUPPLEMENTAL SPECIFICATIONS SHALL APPLY TO ALL ROADS UNLESS SHOWN
 OTHERWISE ON DRAWINGS

SPECIFICATION T-807 ROADWAY VEGETATION.

Delete REQUIREMENTS 3.1 and add the following:

REQUIREMENTS

3.1 Remove vegetation within the clearing limits designated in the Clearing Limits Table. The dimensions in the table are defined below and in the Clearing Limits Figure. In the Clearing Limits Table, the Entry of “D” indicates that the purchaser shall make a maintenance deposit and is not responsible for performing clearing.

Clearing limits distances are measured from the edge of roadbed, or if a ditch is present, from the ditch center line.

X: Clearing limit distance along tangents, on outside curves and on inside of curves where sight distance along road center line is at least 123 feet.

Y: Clearing limit distance along inside curves where sight distance is less than 123 feet.

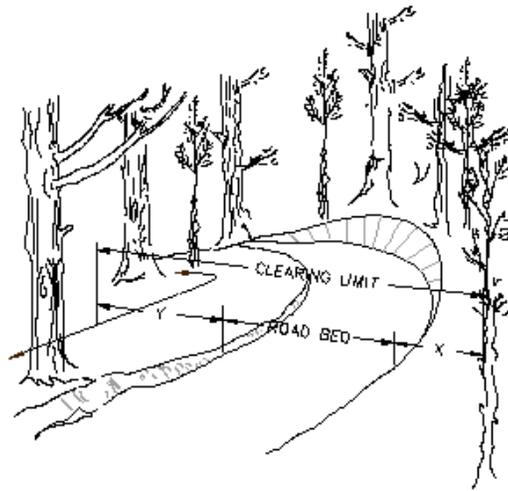
Within the clearing limits:

Remove brush and trees smaller than 8 inches DBH. Remove limbs to a height of 10 feet of trees within the clearing limits. Cut limbs flush with the trunk on all sides. Remove trees from which over 60% of limbs must be removed. Remove limbs to a height of 16 feet above the roadbed. Downed timber meeting utilization standards shall be cut in appropriate lengths and decked along the Roadside in locations where the Traveled Way or sight distances will not be impaired.

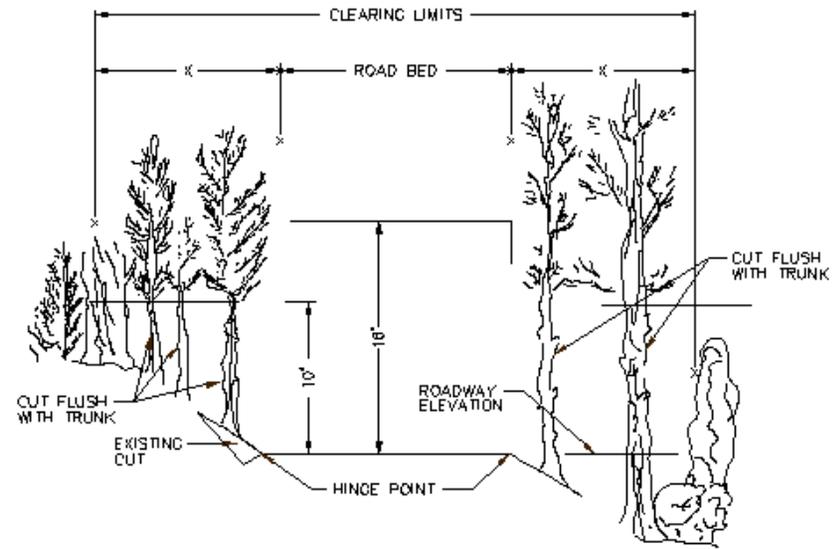
Clearing Limits Table

Road	Termini		Miles	Clearing Limit Dimensions	
	From	To		X, feet	Y, feet
2N07	3N07	2N28	2.8	0	4
2N07C	2N07	EOP	0.28	0	4

Road	Termini		Miles	Clearing Limit Dimensions	
	From	To		X, feet	Y, feet
2N28	2N07	EOP	2.0	0	4
3N01	NFTuo	4N09	9.79	D	D
3N03Y	3N01	EOP	1.36	0	4
3N07	3N01	3N86	2.95	D	D
3N07	3N86	2N07	1.94	4	12
3N09	3N01	EOP	1.4	4	12
3N21Y	3N96	EOP	1.9	0	4
3N28Y	3N96	EOP	1.16	0	4
3N28YA	3N28Y	EOP	0.47	0	4
3N39Y	3N01	EOP	0.5	0	4
3N47Y	4N09	EOP	0.45	0	4
3N53Y	3N96	EOP	0.42	0	4
3N60	3N01	EOP	.05	D	D
3N76Y	3N09	EOP	0.44	0	4
3N96	3N01	U13	4.59	D	D
3N96	3N53Y	EOP	0.66	0	4
4N09	3N01	3N47Y	2.3	D	D
4N09B	4N09	EOP	0.3	0	4
4N33	3N01	EOP	1.11	0	4



CLEARING LIMITS ON CURVE



CLEARING LIMITS ON TANGENT

Clearing Limits Figure

SPECIFICATION T-809 WATERBARS

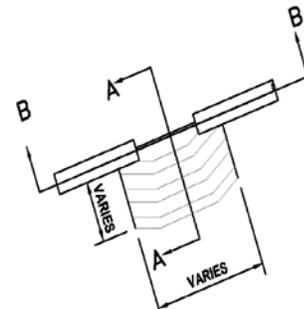
Add the following:

3.4 The Forest Service will designate locations for construction of Drivable Waterbars and Lead Off Ditches as needed to minimize erosion of road surface. The approximate number of sites has been determined prior to contract award for some of the roads as shown in the Waterbar Sites Table. Further waterbar construction may be added after contract award for the roads where the number of waterbars is shown as undetermined.

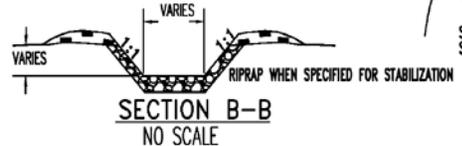
3.5 Construct Drivable Waterbars according to the method, shape and dimensions of the Maintenance and Reconstruction of Driveable WaterbarsLead Off Ditches figure.

Waterbar Sites Table

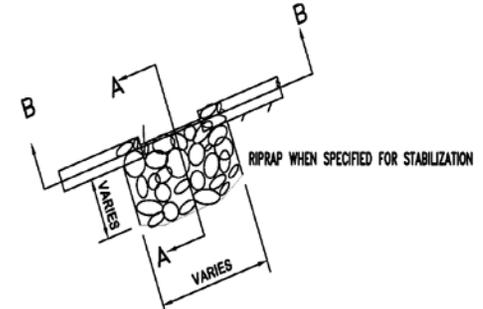
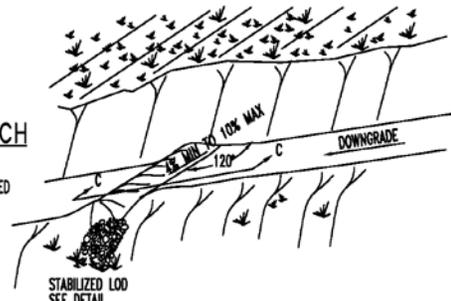
Road	Number of Waterbars to Construct
2N07	3
2N07C	None
2N28	None
3N01	None
3N03Y	Undetermined
3N07	None
3N09	None
3N21Y	4
3N28Y	Undetermined
3N28YA	Undetermined
3N39Y	Undetermined
3N47Y	None
3N53Y	Undetermined
3N60	Undetermined
3N76Y	None
3N96	5
4N09	None
4N09B	None
4N33	Undetermined



TYPICAL LEAD OFF DITCH
NO SCALE
1. LEAD OFF DITCH BOTTOM SHALL BE SLOPED TO PROVIDE PROPER DRAINAGE.

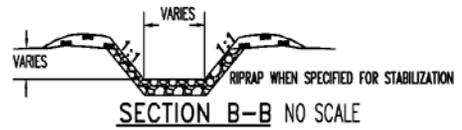


DRIVEABLE WATERBAR FOR HIGH CLEARANCE VEHICLES



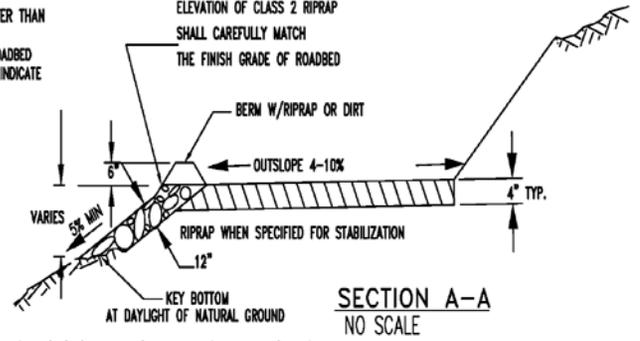
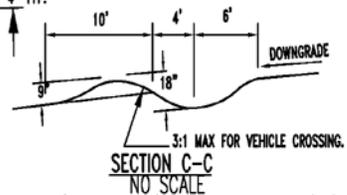
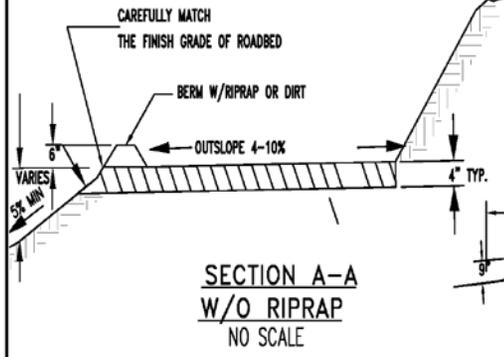
TYPICAL LEAD OFF DITCH
NO SCALE

1. LEAD OFF DITCH BOTTOM SHALL BE SLOPED TO PROVIDE PROPER DRAINAGE.
2. WHEN RIPRAP IS SPECIFIED AT OUTLET, IT SHALL BE SHAPED TO ASSURE WATER GOES ONTO RIPRAP, NOT AROUND. INSTRUMENT SHALL BE USED TO DETERMINE LOW POINT
3. WHEN RIPRAP IS SPECIFIED- TOP ELEVATION SHALL BE AT TOP OF FINISHED OUTLET GRADE, NOT SUBGRADE



NOTES - DRIVEABLE WATERBAR:

1. FOR USE ON GRADES STEEPER THAN 10%.
2. WATER NOT TO BE DISCHARGED ON FILLS GREATER THAN 3 FEET IN HEIGHT.
3. EXCAVATED MATERIAL TO BE SPREAD OUT ON ROADBED
4. WHEN STAKING FOR LOCATION, THE STAKE WILL INDICATE OUTFALL



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U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
R-5
PACIFIC SOUTHWEST REGION

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Approved:

Revisions			
NO.	DESCRIPTION	DATE	BY

Forest
STANISLAUS
Project Name
TIMBER SALE ROADS (CASA)

Sheet Title
MAINTENANCE &
RECONSTRUCTION OF DRIVEABLE
WATERBARS AND LEAD OFF DITCHES
Scale
NOT TO SCALE

Sheet
15
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