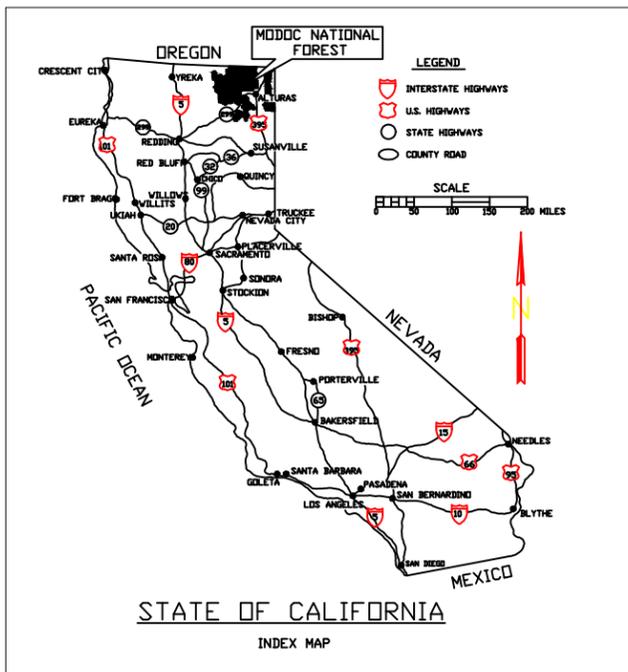


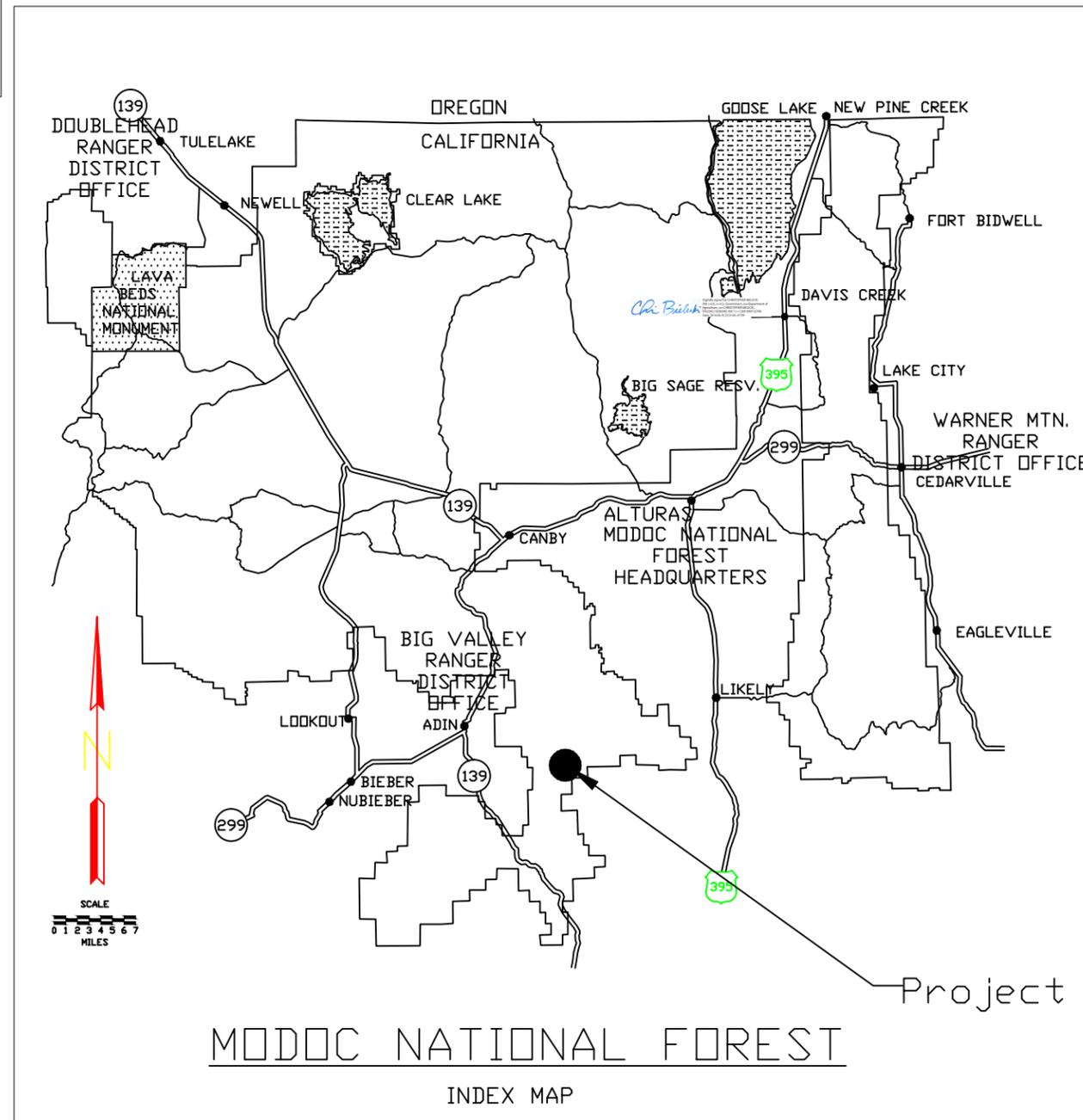
# USDA-Forest Service Region 5 Modoc National Forest RECONSTRUCTION PLANS FOR: ASH TIMBER SALE



Road List			
Road No.	M.P.	Type of work	Units
39N79	0.00 - 1.45	Road Reconstruction	US Customary
38N03	2.80	Road Reconstruction	US Customary

## INDEX TO SHEETS

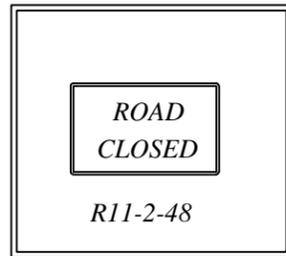
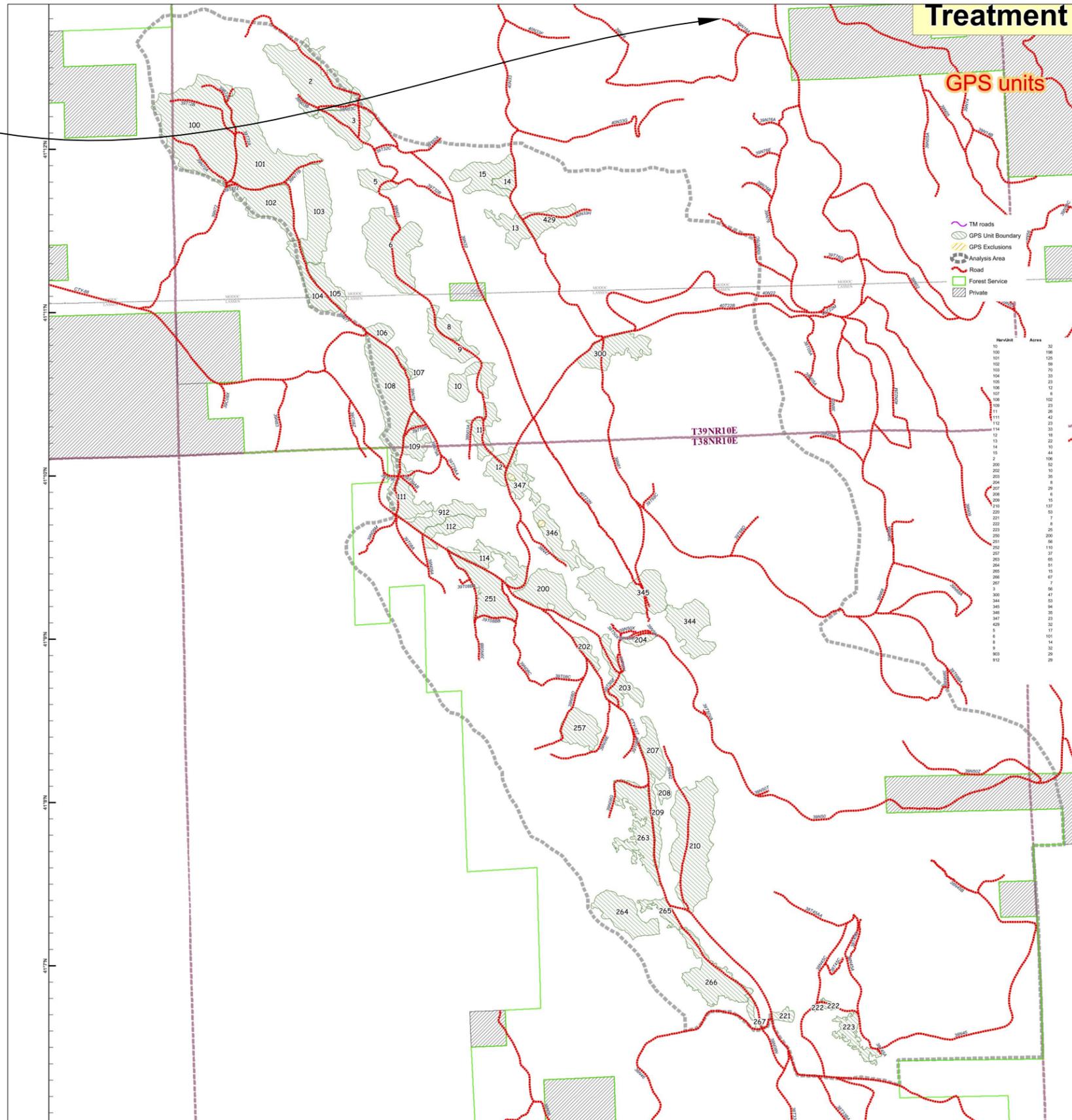
SHEET NO.	SHEET TITLE
1 Of 5	Title Sheet
2 Of 5	Vicinity Map & Traffic Control Plan
3 Of 5	Estimate of Quantities
4 Of 5	Road Reconstruction Typical
5 Of 5	Linear Grading Clearing Details



DESIGNED BY:  
 Yiqiang Gu, E.I.T. Roads Engineer 02/19/2015  
 Alvin Sarmiento Roads Engineer 04/19/2016

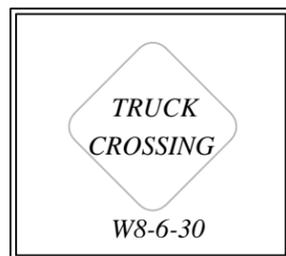
NAME	TITLE	DATE
APPROVED FOR TECHNICAL ADEQUACY		
<small>Digitally signed by CHRISTOPHER BIELECKI            DN: c=US, o=U.S. Government, ou=Department of Agriculture, cn=CHRISTOPHER BIELECKI,            0.9.2342.19200300.100.1.1=12001000132768            Date: 2016.04.19 23:31:00 -0700</small>		
NAME	TITLE	DATE

Pit Location NFSR 39N16A



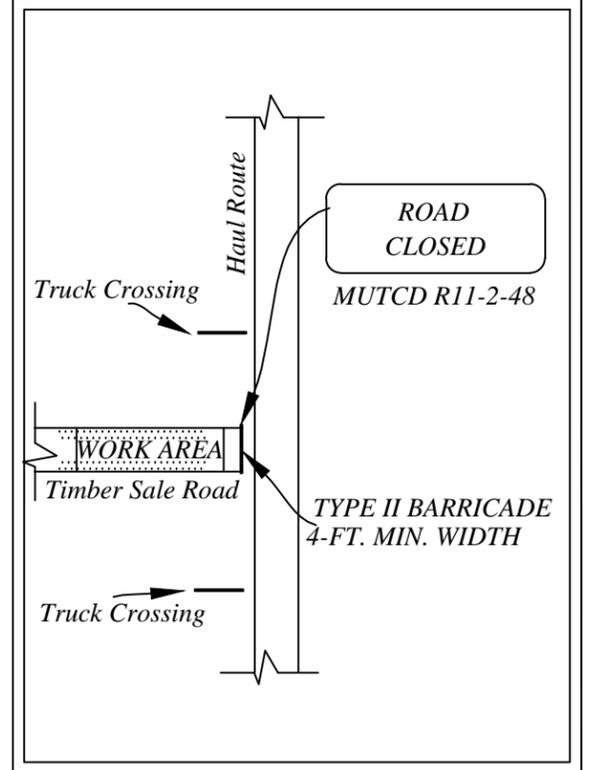
**NOTE:**  
Signs, locations, and  
installation details per  
MUTCD (2009 Edition)

ROAD CLOSED SIGN  
R11-2-48



**NOTE:**  
Signs, locations, and  
installation details per  
MUTCD (2009 Edition)

TRUCK CROSSING SIGN  
W8-6-30



TRAFFIC CONTROL PLAN FOR ROAD CLOSURE

- 1) Notify CO 10 days before road closure under Supplemental Specification 156.05. Operations at all other times will accommodate traffic.
- 2) Traffic control devices shall be maintained for duration of closure.
- 3) All signs shall conform with MUTCD Sections 2A-11, through 2A-16, 6B-1, and 6B-2 of the 2009 Edition.
- 4) Post and maintain R11-2-48 sign on all roads requiring spec road reconstruction. If the road can be accessed from more than one direction, closure signs must be placed on each end of the construction segment.
- 5) Post and maintain W8-6-30 500' on either side of the NFSR 38N03 & 40N22 junction, and 39N79 & CTY-527 junction for the duration of the construction.
- 6) This traffic control plan is for illustration purposes only, contractor shall conform to current edition of MUTCD for sign placement.



**ESTIMATE of QUANTITIES**

*Refer to the Standard Specifications For Construction of Roads and Bridges on Federal Highway Projects / FP - 03 US Customary Units and the FS Supplemental Specifications*

<i>Project Name: Ash Timber Sale</i>			39N79	38N03	
		<i>MP-BOP</i>	0.00	2.80	
		<i>MP-EOP</i>	1.45	2.80	
<b>ITEM NO.</b>	<b>DESCRIPTION</b>	<b>PAY UNIT</b>	<b>QUANTITIES</b>	<b>QUANTITIES</b>	<b>REMARKS</b>
15101	Mobilization	Lump Sum	1	1	Includes all work needed to access sites. Cleaning of all equipment is required prior to entering National Forest Land.
20401	Roadway Excavation, Compaction Method B, Finishing Method A	Cubic Yard	50		All material necessary to construct road. Compaction as specified in subsection 204.11.
21201	Linear Grading	Mile	1.45		Grading includes 16 foot clearing (12 foot travel way and 2 foot shoulders on both sides) with a dozer.
32222	Pit Run Maximum size 3", Compaction Method B	Cubic Yard	50	50	Source, NFSR 39N16A (see sheet 2 of 4 for location). Compaction as specified in subsection 322.05 [refers to 204.11].

**Construction Notes:**

**39N79 MP 0.00 - 0.10**

Minimum widening of 10 ft at existing junction with CTY-527. Removed material shall be used to level and create a smooth transition from NFSR 39N79 onto County Road 91. Pit run from MP 0.00 - 0.10. Grading and shaping will be covered under Item No. 21201 - Linear Grading.

**38N03 M.P. 2.80**

Pipe shall have minimum cover of 2' with a minimum traveled way width of 14'. Additional material was included in the quantity for 25' tapers to transition the repair back to existing grade.

Temporary traffic control is an indirect cost to other pay items.

The government pit is located at the end of road 39N16A. The pit can be reached by taking a left onto road 40N22 at the Junction of 40N22 and 38N03, continue on 40N22 for 6 miles, take a left onto 39N16 and continue for 0.23 miles. Road 39N16A is on the right.



Unit / Region :  
USDA - Forest Service - R5

National Forest :  
Modoc

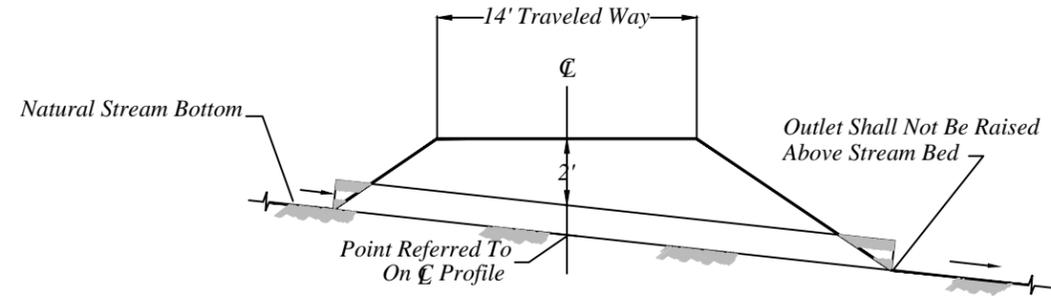
District :  
Big Valley

Project Name :  
Ash Timber Sale Road Reconstruction  
NFSR 39N79 & 38N03

Sheet Name :  
Estimate of Quantities

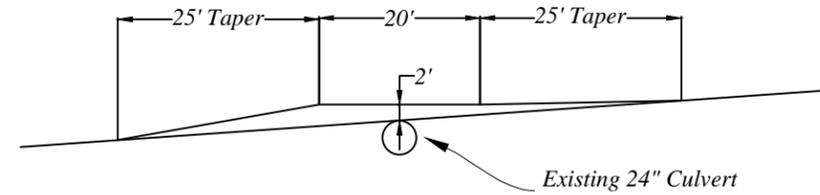
Sheet Number :  
3 Of 5

NFSR 38N03 M.P.2.80



**TYPICAL CULVERT CONSTRUCTION DETAIL**

Note:  
Compaction as specified in subsection 322.05

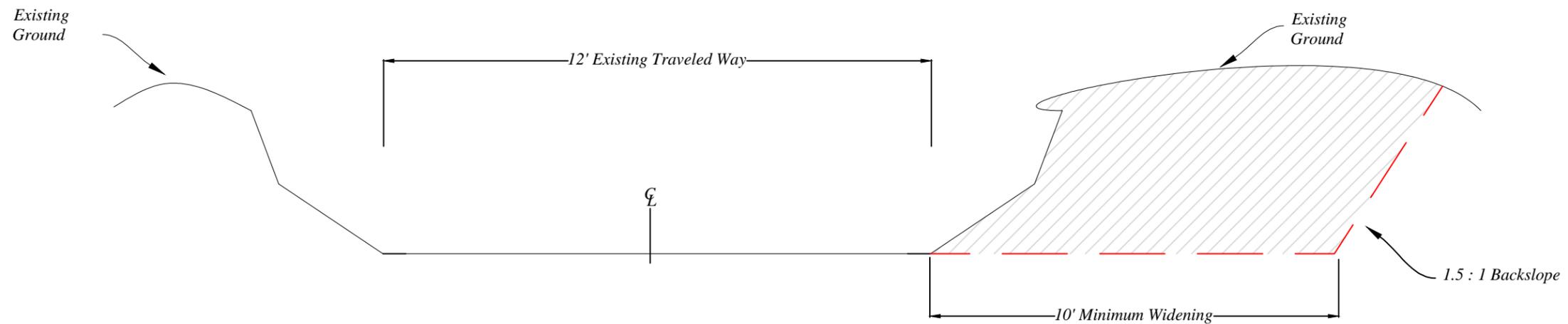


**ELEVATION VIEW**

Note:  
Pipe shall have minimum cover of 2' with a minimum traveled way width of 14'. Additional material was included in the quantity for 25' tapers to transition the repair back to existing grade.

The government pit is located at the end of road 39N16A. The pit can be reached by taking a left onto road 40N22 at the Junction of 40N22 and 38N03, continue on 40N22 for 6 miles, take a left onto 39N16 and continue for 0.23 miles. Road 39N16A is on the right.

NFSR 39N79 STA.0+00 - 0+60



**TYPICAL ROADWAY DETAILS**

Note:  
10' minimum widening to accommodate logging vehicles. Excavated backslope shall not be steeper than 1 1/2H:1V. Excavated material shall be placed and compacted on NFSR 39N79 between Sta.0+00 - 0+60 to create a smooth transition from NFS road onto County road.



Unit / Region :  
USDA - Forest Service - R5

National Forest :  
Modoc

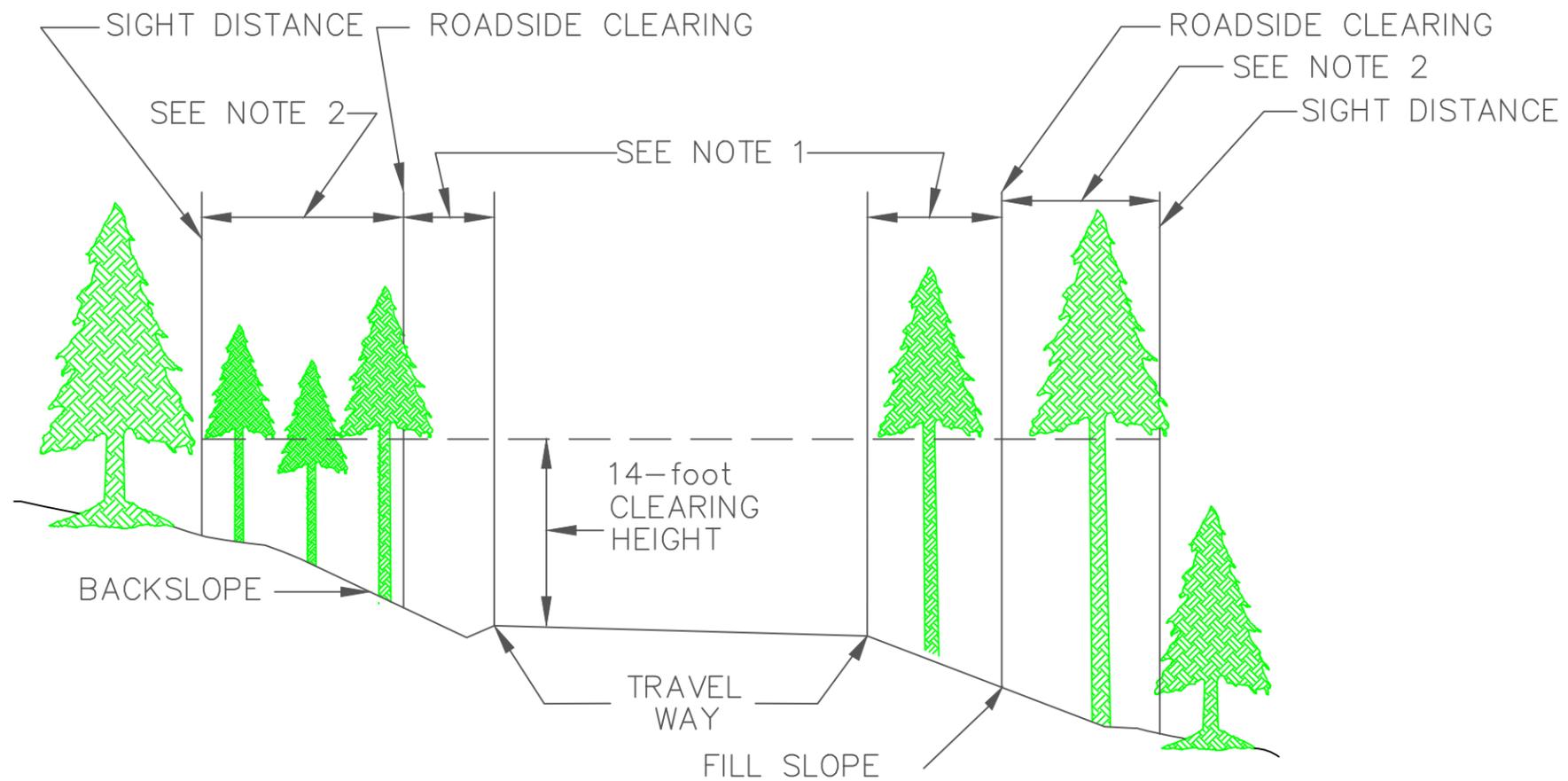
District :  
Big Valley

Project Name :  
Ash Timber Sale Road Reconstruction  
NFSR 39N79 & 38N03

Sheet Name :  
Road Reconstruction Typicals

Sheet Number :  
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# CLEARING DETAILS



**Construction Notes:**

**Note 1**

*During linear grading operations, all vegetation within the travel way (12 ft travel way) and 2 ft of the travel way (2 ft shoulders on both sides of travel way) shall be removed.*

**Note 2**

*Branches on remaining trees shall be trimmed from ground level to a clearing height limit of 14 feet above the roadbed or to a limit of 60% of the tree's height, whichever is less. Limbs of vegetation shall be cut so as to not protrude within the clearing limits.*



Unit / Region :

USDA - Forest Service - R5

National Forest :

Modoc

District :

Big Valley

Project Name :

Ash Timber Sale Road Reconstruction  
NFSR 39N79 & 38N03

Sheet Name :

Linear Grading Clearing Details

Sheet Number :

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