

NOTES:

1. Structural section design to be based on "R" value and "T.I."
2. Centerline of improvements to coincide with centerline of R/W.
3. 10' wide Snow Storage Easement required above 3500' elevation. To be provided outside of Ditch Area.
4. FMA = Fuel Modification Area
5. See Section L-XVII 3.4, L.U.D.C. for maximum grade standards.

DIKE OPTION NOTES:

1. Use only with paved shoulder
2. Add to "B" the width necessary for storm flows

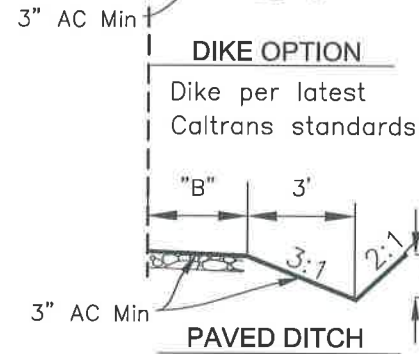
PAVED DITCH NOTE:

Required where profile grade exceeds 5%

MINIMUM ROAD REQUIREMENTS

CLASS	1		2	
ELEVATION	LOWER THAN 3500'		HIGHER THAN 3500'	
ADT	<400	401-2000	<400	401-2000
SURFACE**	3" A.C.	3" A.C.	3" A.C.	3" A.C.
AGG.BASE	6"	8"	8"	8"
"A"	10'	10'	10'	10'
"B"	2'	4'	2'	4'
DESIGN SPEED	20 MPH	25 MPH	20 MPH	25 MPH
Std Max GRADE	10% *	10% *	8% *	8% *

* SEE NOTE 5

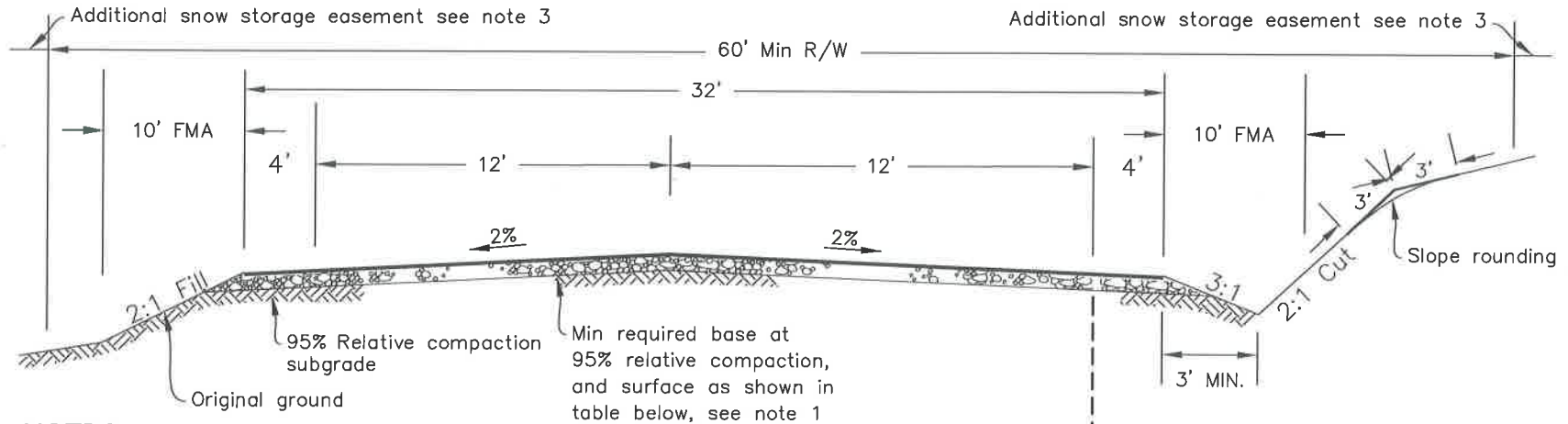


**COUNTY OF NEVADA
DEPARTMENT OF PUBLIC WORKS**

**LOCAL RURAL ROAD SYSTEM
LOCAL CLASS 1 & 2 ROAD**

Approved by: *Patrick G. Perkins*
Principal Civil Engineer Date 12-17-19

STANDARD DRAWING
A-1



NOTES:

1. Structural section design to be based on "R" value and "T.I."
2. Centerline of improvements to coincide with centerline of R/W.
3. 10' wide Snow Storage Easement required above 3500' elevation. To be provided outside of the Ditch Area.
4. FMA = Fuel Modification Area
5. See Section L-XII 3.4, L.U.D.C., for maximum grade standards.

MINIMUM ROAD REQUIREMENTS		
ELEVATION	LOWER THAN 3500'	HIGHER THAN 3500'
SURFACE	3" A.C.	3" A.C.
BASE	8" A.B.	8" A.B.
DESIGN SPEED	35 M.P.H.	35 M.P.H.
Std Max GRADE	10% *	8% *

* SEE NOTE 5

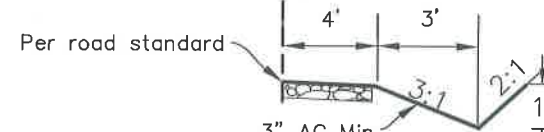


DIKE OPTION

Dike per latest Caltrans standards

DIKE OPTION NOTE:

Use only with paved shoulder



PAVED DITCH

PAVED DITCH NOTE:

Required where profile grade exceeds 5%



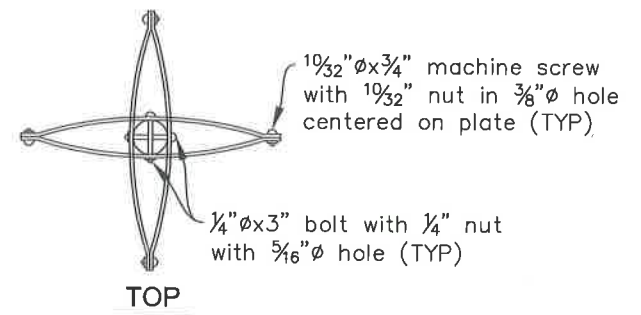
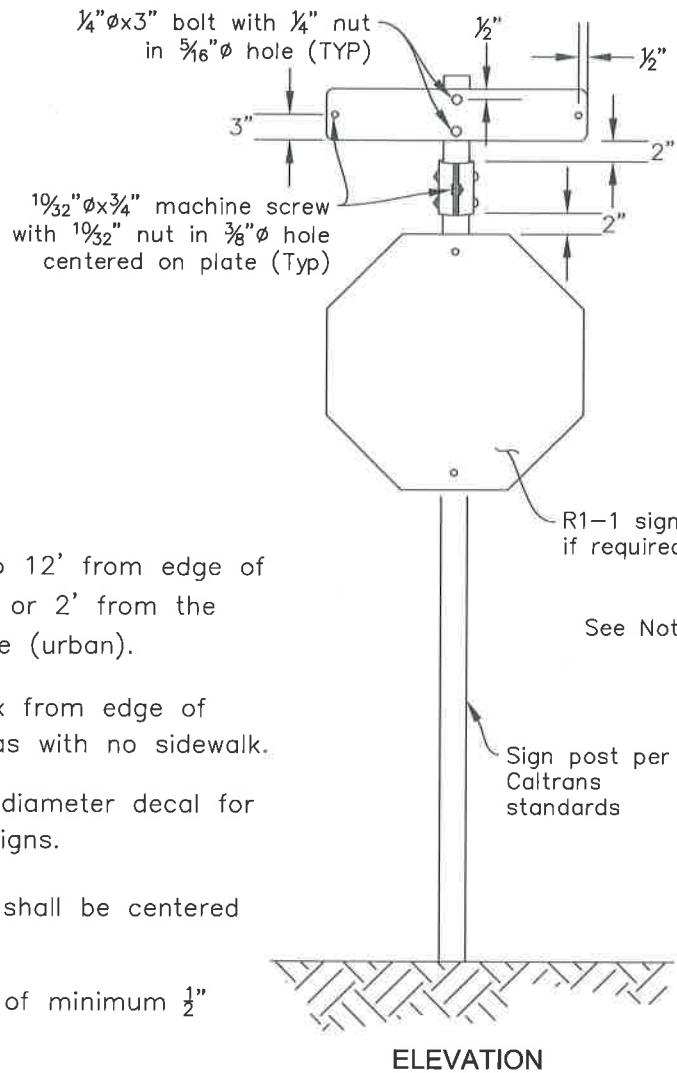
COUNTY OF NEVADA
DEPARTMENT OF PUBLIC WORKS

LOCAL RURAL ROAD SYSTEM
MINOR COLLECTOR AND
LOCAL CLASS 3 ROAD

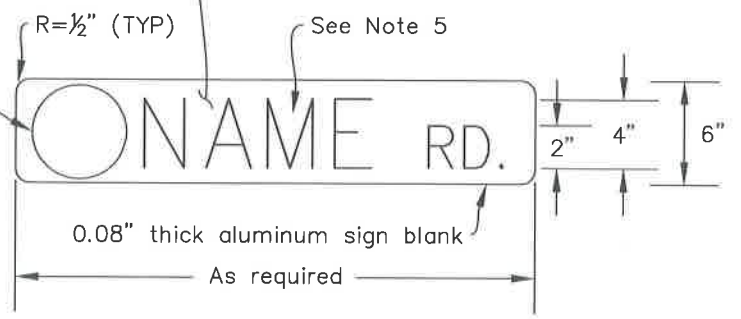
Approved by: *Patrick Perkins*
Principal Civil Engineer Date 12-17-19

STANDARD
DRAWING

A-2



Mechanically applied dry adhesive reflective sheeting (3M Scotchlite Engineer Grade or equal) FHWA Series B 2000 white lettering on green background



SIGN PLATE DETAIL

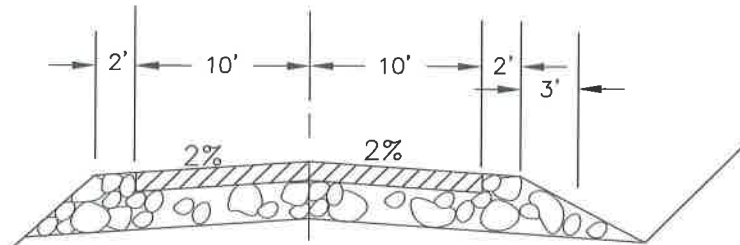
NOTES:

1. Posts shall be 6' to 12' from edge of traveled way (rural) or 2' from the face of curb or dike (urban).
2. 12' min to 30" max from edge of traveled way in areas with no sidewalk.
3. County provided 5" diameter decal for county maintained signs.
4. Lettering and decal shall be centered on sign.
5. Lettering to consist of minimum 1/2" stroke.

ELEVATION



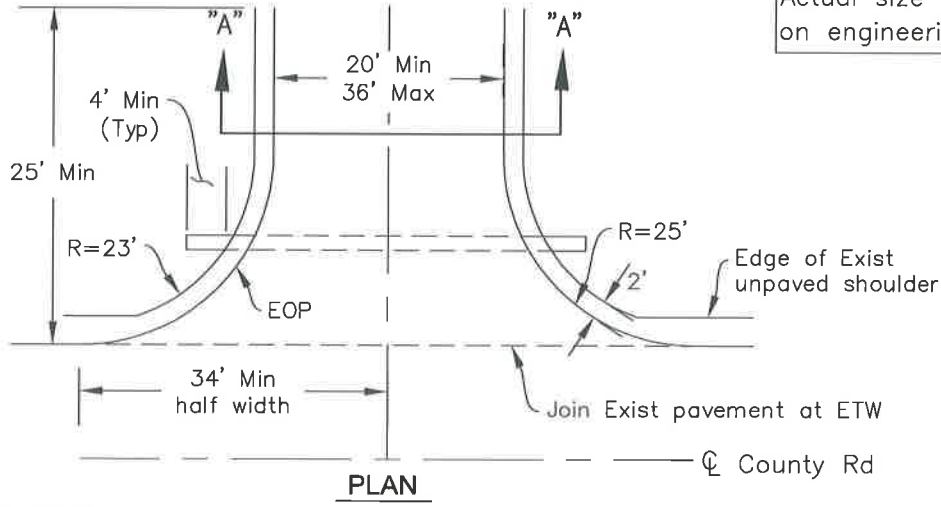
COUNTY OF NEVADA DEPARTMENT OF PUBLIC WORKS	
LOCAL RURAL ROAD SYSTEM	
STANDARD STREET AND STOP SIGN	
Approved by: <i>Pat G. Perkins</i>	12-17-19
Principal Civil Engineer	Date
STANDARD DRAWING A-5	



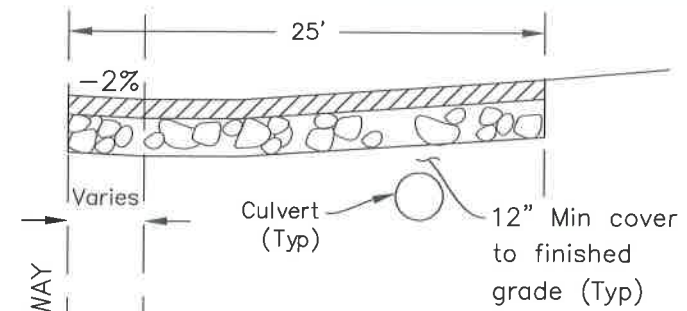
SECTION "A" - "A"

CULVERT DATA	
Length	Min ϕ
Up to 30'	12"
30'-80'	18"
80'-100'	24"
Above 3000'	18" Min

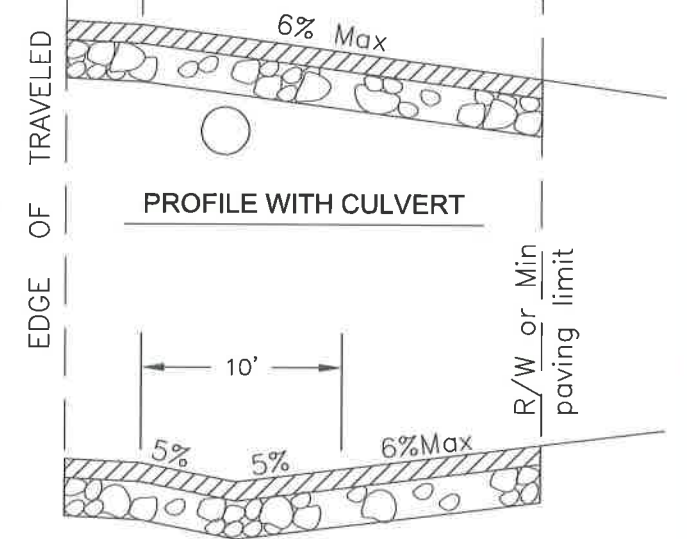
All pipe shall be new HDPE.
Actual size will be dependent on engineering analysis.



PLAN



PROFILE WITH CULVERT



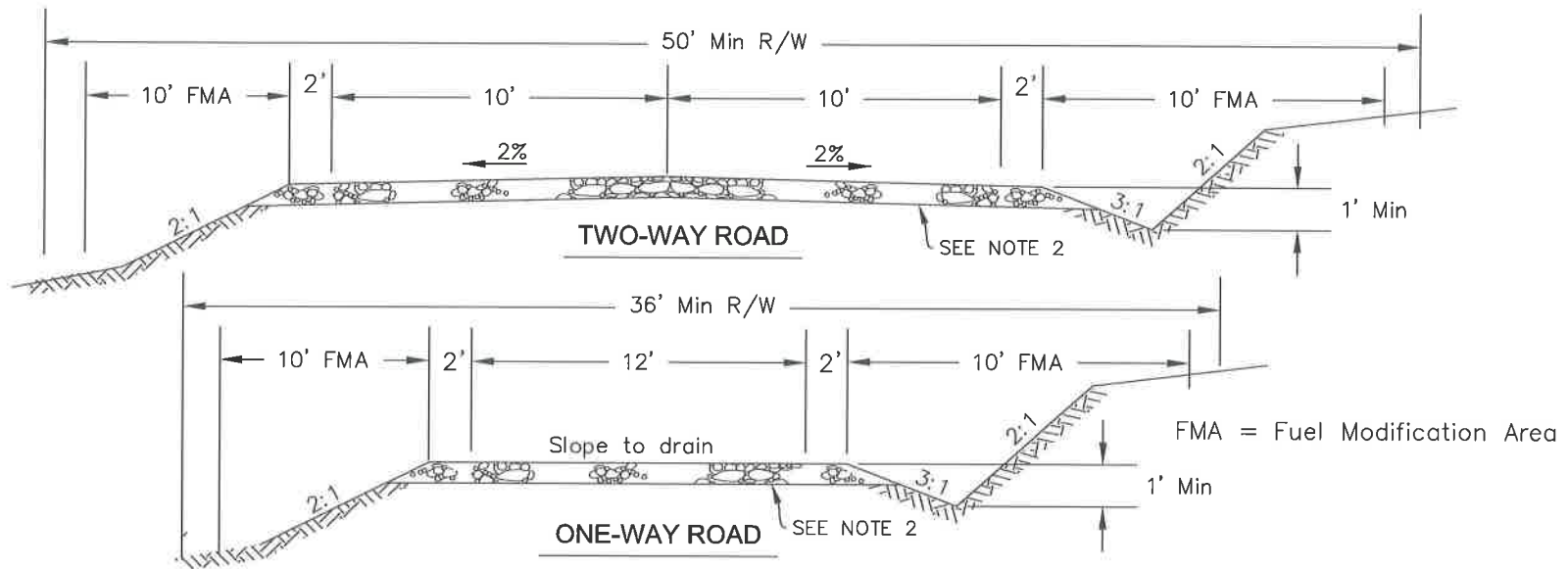
PROFILE WITH VALLEY GUTTER

NOTES:

1. Subgrade to be compacted to 95% relative compaction. Place 6" compacted Class 2 Aggregate Base with 3" Min Asphalt Concrete to match existing where county road is paved.
2. Portland Cement Concrete may be used only if approved by the Department of Public Works.
3. The Department of Public Works must approve use of culvert or valley gutter.
4. Special design required in areas with existing curb and gutter.
5. Adequate sight distance shall be provided per County standards.



COUNTY OF NEVADA DEPARTMENT OF PUBLIC WORKS	
ENCROACHMENTS	
PRIVATE ROAD APPROACH	
Approved by: <i>Patrick Perkins</i> Principal Civil Engineer	12-17-19 Date
STANDARD DRAWING B-1	



NOTES:

1. Changes in SRA Fire Safe Regulations shall supercede this standard and be approved by the Engineer.
2. The surface shall be capable of supporting a 75,000 lb. vehicle with a minimum of 6" AB compacted to 95%, placed on a subgrade compacted to 95%. Road grade shall not exceed 16%.
3. Roadway turnouts shall be provided along the route at locations specified in Nevada County Land Use and Development Code Chapter XVII.
4. Slope easements or R/W shall be provided to contain all cuts and/or fills satisfactory to the Engineer.
5. All Secondary "Emergency Egress Only" routes shall be identified as such by signs constructed to the standards as specified by the current California Manual on Uniform Traffic Control Devices.
6. All horizontal and vertical curves with inadequate sight distance shall be constructed to a two way road standard.



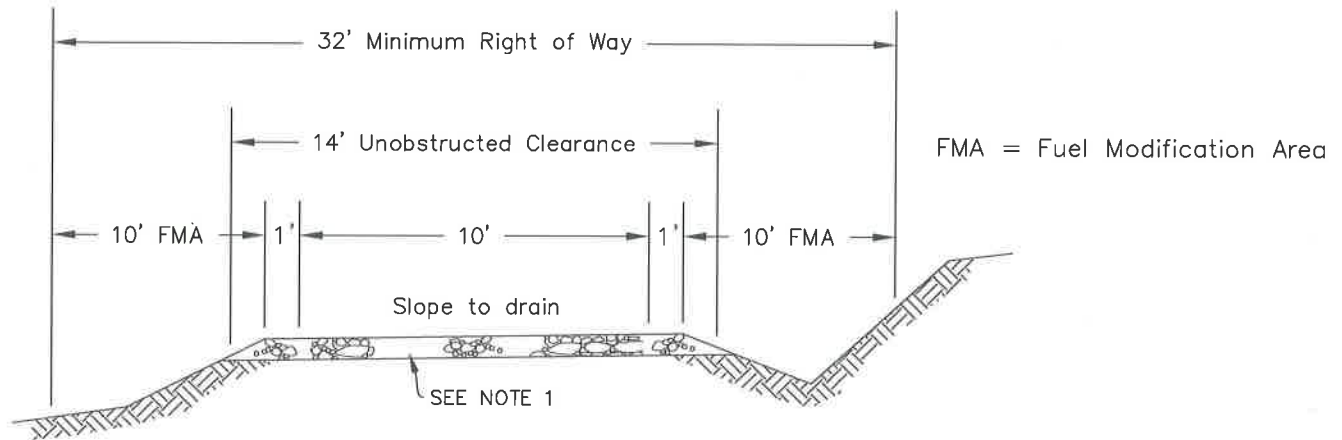
**COUNTY OF NEVADA
DEPARTMENT OF PUBLIC WORKS**

**LOCAL RURAL ROAD SYSTEM
FIRE STANDARD
ACCESS ROAD**

Approved by: *Patrick Perkins* 12-17-19
Principal Civil Engineer Date

STANDARD
DRAWING

C-1



NOTES:

1. Surface capable of supporting a 40,000 lb. vehicle with a minimum of 4" A.B., compacted to 95%, placed on a subgrade compacted to 90%.



COUNTY OF NEVADA DEPARTMENT OF PUBLIC WORKS	
LOCAL RURAL ROAD SYSTEM FIRE STANDARD DRIVEWAY	
Approved by: <i>Patrick Perkins</i>	12-17-19
Principal Civil Engineer	Date
STANDARD DRAWING C-2	