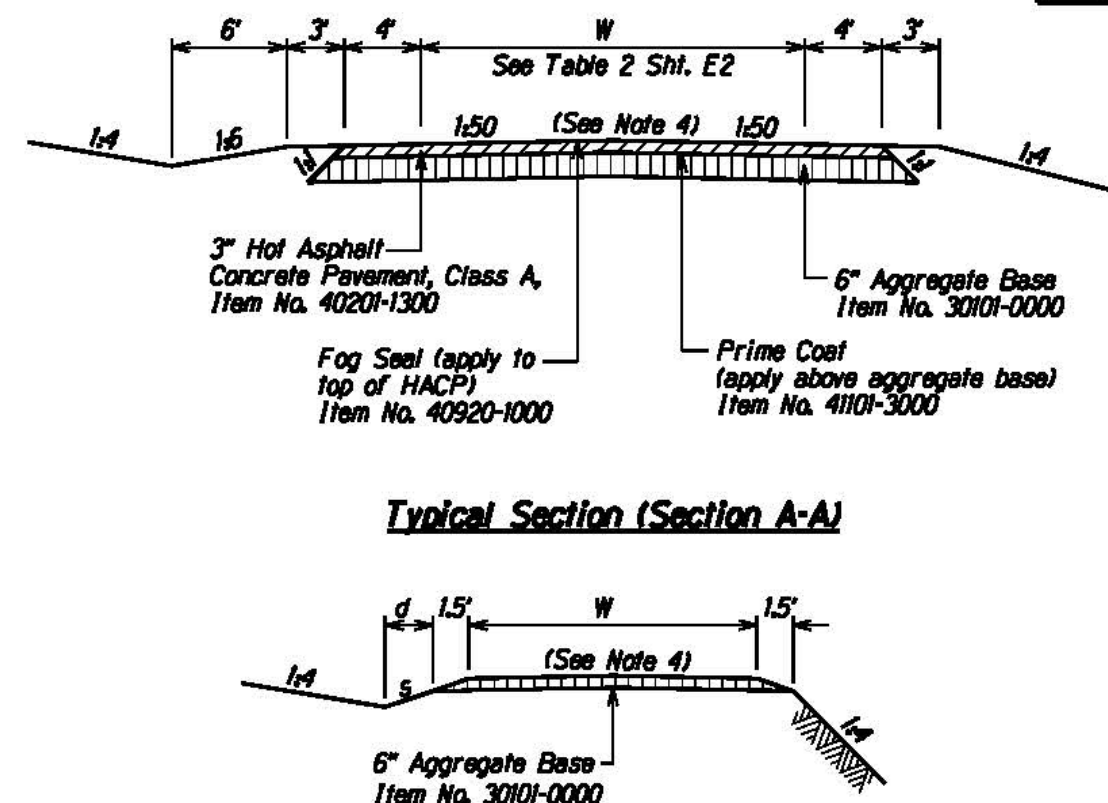
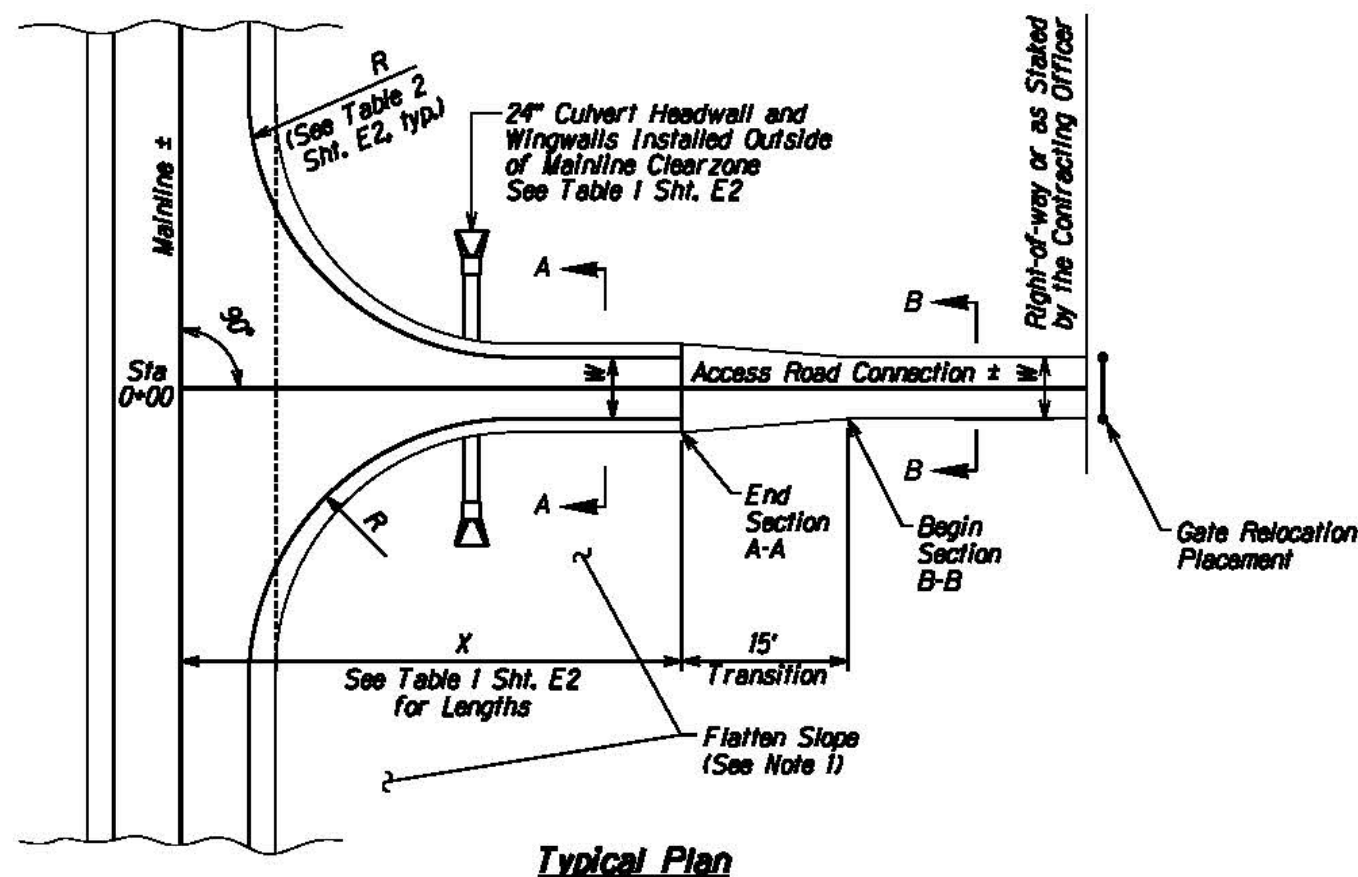


STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI SR 200(3)	E1	E27

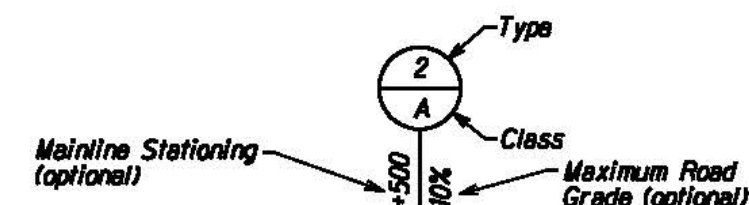
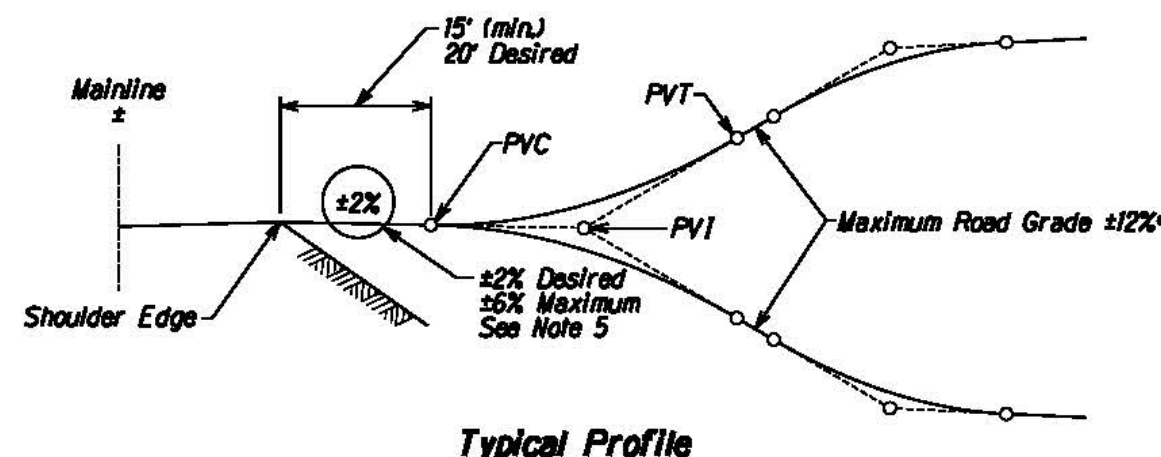


$d = 2'$ for Type 1 Approach $s = 1:3$ for Type 1 Approach
 $d = 3'$ for Type 2 Approach $s = 1:4$ for Type 2 Approach

Typical Section (Section B-B)
 See Table 2 Sht. E2 for Variable Definition

General Notes

1. Cut and fill slope ratios and degree of slope finish for road connections shall be compatible with mainline roadway construction. Flatten cut and fill slope ratios at road connections to the maximum extent practical.
2. Under special conditions, the road connection angle shown may be varied $\pm 20^\circ$.
3. If necessary, place 24" culverts at the end of the road connection radius to provide a flatter foreslope and increased mainline recovery area.
4. Apply the normal mainline crown section to road connections with widths greater than 16'. Slope road 2% in direction of the natural terrain for road widths less than 16'.
5. Construct road connections with landing areas having grades within $\pm 2\%$. For highly superelevated roadways, the maximum rollover shall be 6%.
6. Vary radii to fit unusual field conditions. Do not reduce existing radii or widths.



Example of Symbol Showing Standard Roadway Connection on Plan and Profile

Typical Symbol



* Where it is necessary for approach roads to have grades $> 12\%$, implement additional erosion control measures or extend HACP pavement.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**SPECIAL 2003
APPROACH
ROAD CONNECTIONS**

Scale: N.T.S.

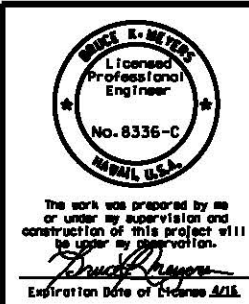
Date: August 21, 2015

SHEET No. 1 OF 2

Table 1					
Access Road Connection Summary					
Station	Type	Class	X (ft)	Culv. Size	Remarks
1545+50 Lt	1	A	45	-	Double Hill Trail Access Road
1575+00 Lt	1	A	45	-	State Forest Reserve Access Road No. 1
1575+00 Rt	1	A	35	-	State Forest Reserve Access Road No. 2
1593+10.45 Rt	1	A	35	24"	Hawaii Conference Foundation Access Road Right
1613+00 Lt	1	A	45	-	Hawaii Conference Foundation Access Road Left
1653+00 Lt	1	A	45	-	Pu'a Foundation Access Road Left
1653+00 Rt	1	A	35	-	Pu'a Foundation Access Road Right
1684+50 Lt	1	D	70	24"	Arlie & Company Access Road Left
1686+25 Rt	1	D	60	24"	Arlie & Company Access Road Right
1703+50 Rt	1	A	40	24"	State Forest Reserve Access Road No. 3
1707+15 Rt	1	A	40	24"	HELCO Access Road
1734+50 Lt	1	A	45	-	Young Access Road No. 1
1737+35 Rt	1	A	35	-	Young Access Road No. 2
1757+10.45 Lt	1	A	45	24"	Young Access Road No. 3
1757+10.45 Rt	1	A	35	-	Young Access Road No. 4
1775+00 Lt	1	A	45	-	Young Access Road No. 5
1775+00 Rt	1	A	35	-	Young Access Road No. 6
1784+00 Rt	1	A	35	-	Ponahawai Partners Access Road
1786+00 Rt	1	A	35	24"	Water Supply Access Road
1787+00 Lt	1	A	45	-	Pulima Access Road
1787+90 Rt	1	A	35	24"	State Access Road
1791+00 Lt	1	A	45	-	Alderson Access Road Left
1791+00 Rt	1	A	35	24"	Alderson Access Road Right
1796+50 Lt	1	A	45	-	Bang San Ho Temple Access Road Left
1796+50 Rt	1	A	35	24"	Bang San Ho Temple Access Road Right
1809+00 Lt	1	A	45	24"	Takayama Access Road Left
1809+00 Rt	1	A	35	24"	Takayama Access Road Right
1818+50 Rt	1	A	35	-	Lee Access Road Right
1819+00 Lt	1	A	35	24"	Country Club Access Road
1835+50 Rt	1	A	35	-	Arruda Access Road
1840+50 Rt	1	A	40	-	Towill Access Road
1814+00 to 1818+50 Rt	1	A	0	-	HELCO Truck Access Road (along ROW)

Table 2				
Type	Class	Width W (ft)	Radius R (ft)	Sample Application
1	A	12	16.50	Field Access
1	B	14	26	Minimum 1-Way Use
1	C	16	26	Farm Equipment
1	D	16	40	Logging Truck Use
2	A	18	26	Minimum 2-Way Use
2	B	20	26	ADT > 10
2	C	22	40	ADT > 25
2	D	24	40	ADT > 100
2	E	28	50	ADT > 200

Per FHWA direction
access road paved 24'
wide



U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
SPECIAL 2003 APPROACH ROAD CONNECTIONS	
Scale: N.T.S.	Date: August 21, 2015
SHEET No. 2 OF 2	