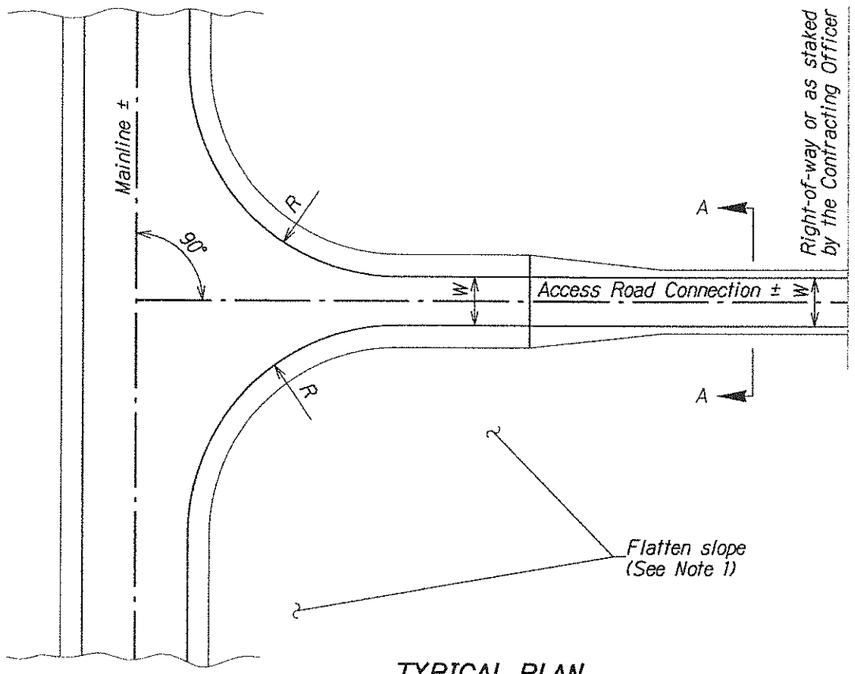
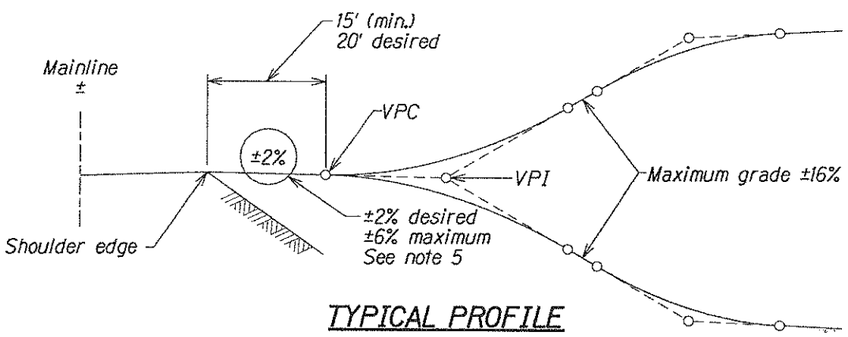
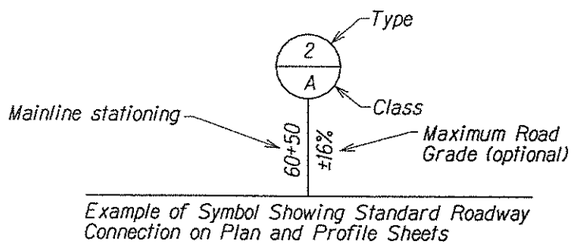
STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(4)	E1	E7



TYPICAL PLAN



TYPICAL PROFILE



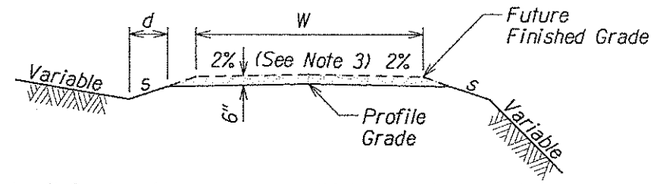
Example of Symbol Showing Standard Roadway Connection on Plan and Profile Sheets

TYPICAL SYMBOL

APPROACH ROAD CONNECTION SUMMARY

STATION±	TYPE	CLASS	TOTAL LENGTH (ft)	REMARKS
18+10 LT	1	A	75	Fire Access No. 1
27+40 LT	1	A	85	Fire Access No. 2
294+25 LT	1	A	65	Fire Access No. 7
309+73-312+07 RT	1	A	250	Pu'u Pohakuloa Access, Shts. E2 & E3
314+00 LT	1	A	560	Water Tank Access, Shts. E4 & E5
319+71 RT	2	D	320	PTA Entrance Access, Shts. E6 & E7
319+71 LT	2	D	98	Water Pump Access, Shts. E6 & E7

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



d = 2' for type 1 approach s = 3:1 for type 1 approach
d = 8' for type 2 approach s = 6:1 for type 2 approach

TYPICAL SECTION (SECTION A-A) FOR FIRE ACCESS ROADS

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 ±20°.
3. 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'
4. Construct road connections with landing areas having grades within ±2%. For highly superelevated roadways, the maximum rollover shall be 6%.
5. Vary radii to fit unusual field conditions. Do not reduce existing radii or widths.

BRUCE K. MEYERS
Licensed Professional Engineer
No. 8336-C
HAWAII, U.S.A.

The work was prepared by me or under my supervision and construction of this project will be under my observation.

Expiration Date of License 4/08

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

SPECIAL DETAIL 20403
APPROACH ROAD CONNECTIONS

Scale: N.T.S. Date: June 29, 2007

SHEET No. 1 OF 1

M:/Mproj/Lennie/204028/100%/sheets/shte001.dgn

E1