DIMENSIONAL ACCURACY

DIMENSION	ENGLISH ACCURACY	METRIC ACCURACY
All Stationing	0.01 ft.	0.001 m
Topography		
Stationing	1.0 ft.	0.1 m
Offset	1.0 ft.	0.1 m
Angle	0 degrees 01 minutes	0 degrees 01 minutes
Bearings & Angles	0 degrees 00 minutes 1 second	0 degrees 00 minutes 1 second
Right of way		
Stationing	0.1 ft. (1.0 ft. or 5.0 ft. preferable)	0.01 m (0.1 m or 1 m preferable)
Width	1.0 ft. (5.0 ft. preferable)	0.1 m (1 m preferable)
Area	0.01 acre or 1.0 ft^2	0.001 hectare or 0.1 m^2
Referenced Points		
Stationing	0.01 ft.	0.001 m
Ties	0.1 ft.	0.05 m
Bench Marks		
Stationing	1.0 ft.	0.1 m
Offset	1.0 ft.	0.1 m
Elevation	0.01 ft.	0.005 m
Profile Grade		
P.I. station	0.01 ft.	0.001 m
P.I. elevation	0.01 ft.	0.005 m
Rate of grade	0.001% (Where practical)	0.001% (where practical)
Length of vertical curve	10 ft. increments	5.0 m increments
Stopping sight distance	5.0 ft.	1.0 m
"K" factors	Nearest whole number	Nearest whole number
Flow line elevation	0.1 ft.	0.01 m
Items to be constructed		
Stationing	0.1 ft. (1.0 ft. preferable)	0.01 m (0.1 m preferable)
Culvert Lengths	1.0 ft. (or next even foot for metal pipe culverts)	0.1 m (or next multiple of 300 mm for metal pipe culverts)

Fig. 8-1