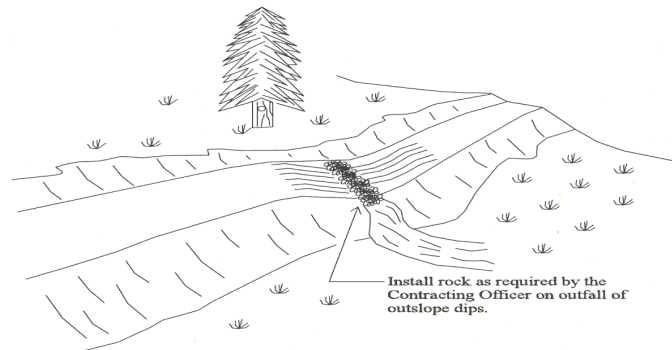
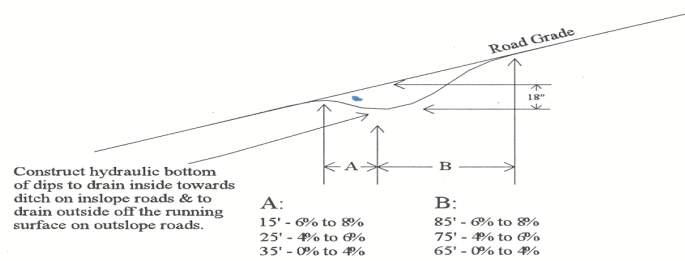


## Water Dip Specifications

(For Roads with Grades Less Than or Equal to 8 Percent)



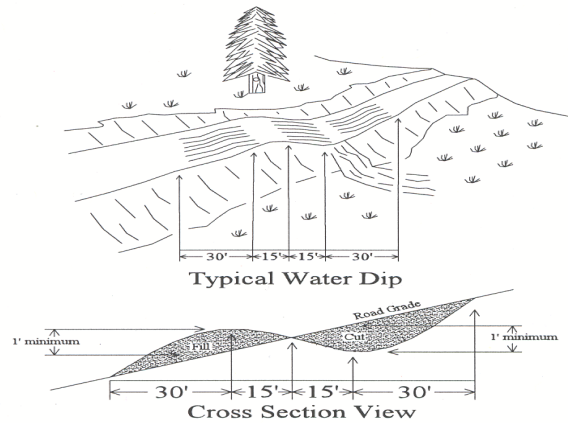
Typical Water Dip



Cross Section View

### Water Dip Specifications

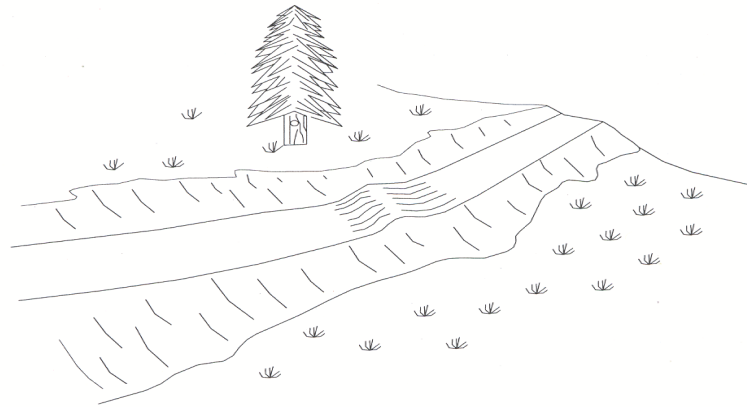
(For Roads with Grades Greater Than 8 Percent)



WATER DIP SPECIFICATIONS						
ROAD GRADE IN %	SOIL TYPE			ROAD GRADE IN %	SOIL TYPE	
	GRANITIC OR SANDY	SHALE OR GRAVEL			GRANITIC OR SANDY	SHALE OR GRAVEL
1	1000	1000		9	300	900
2	900	1000		10	300	800
3	600	1000		11	300	700
4	400	1000		12	300	700
5	400	1000		13	300	600
6	300	1000		14	300	600
7	300	1000		15	300	500
8	300	900				

\*Distances given are maximum. Exact locations will be flagged by the Authorized Officer prior to construction. All dips will be constructed into the roadbed a minimum of one foot, 90 feet long, at a 30 degree angle to the center line, and readily crossed by passenger type vehicles.

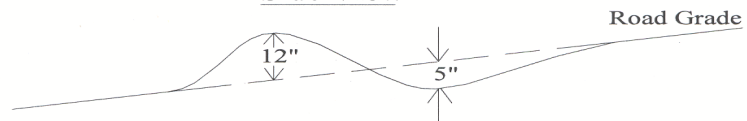
## Water Bar Specifications



End View



Side View



Water bar will be located by Authorized Officer