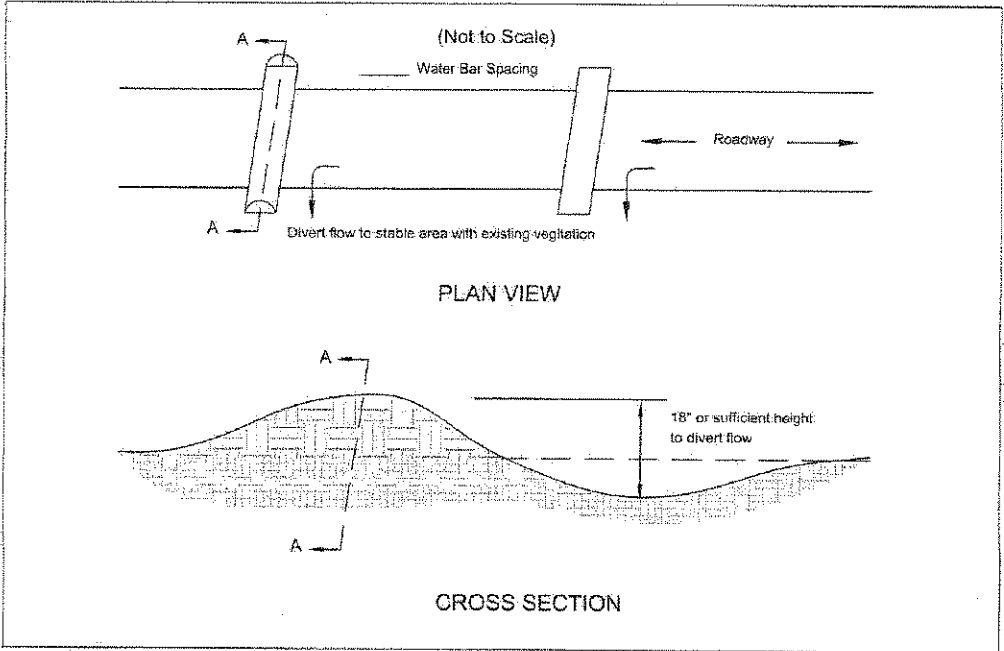


Specifications
for
Water Bar



1. The minimum water bar dimensions shall be:
Top width of berm/dike – 2 feet minimum.
Height/depth – 18 inches unless otherwise noted on plans.
Side Slopes – Sufficiently flat to accommodate the expected traffic.
2. The spacing between water bars shall be as noted:
3. The field location shall be adjusted as needed to provide a stabilized safe outlet.
4. The diverted runoff shall be directed onto an undisturbed vegetative area, to a settling trap or basin or trap if contributing area is stable.
5. Diversions/dikes shall be compacted by traversing with equipment during construction.
6. The water bars shall be angled slightly downslope across the centerline of the travel lane.

Table 5.6.1 Water Bar Spacing

Road Grade (%)	Distance (Ft.)
1	400
2	250
5	135
10	80
15	60
20	45

INFORMATION OBTAINED FROM THE 2006
EDITION OF THE STATE OF OHIO'S "RAINWATER
AND LAND DEVELOPMENT MANUAL".

Larry Lippich
CITY OF NORTH RIDGEVILLE, ENGINEER

REV No.	DATE	BY	DESCRIPTION
CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING			
WATER BAR			
SCALE: NOT TO SCALE			SWP-14
DATE: 10/01/08		DRWN BY: JAB/TEB	

Specifications
for
De-Watering

1. A de-watering plan shall be developed prior to the commencement of any pumping activities.
2. The de-watering plan shall include all pumps and related equipment necessary for the dewatering activities and designate areas for placement of practices. Outlets for practices shall be protected from scour either by riprap protection, fabric liner, or other acceptable method of outlet protection.
3. Water that is not discharged into a settling/treatment basin but directly into waters of the state shall be monitored hourly. Discharged water shall be within $\pm 5^{\circ}$ F of the receiving waters.
4. Settling basins shall not be greater than four (4) feet in depth. The basin shall be constructed for sediment storage as outlined in Chapter 6, SEDIMENT BASIN OR SEDIMENT TRAP. The inlet and outlet for the basin shall be located at the furthest points of the storage. A floating outlet shall be used to ensure that settled solids do not re-suspend during the discharge process. The settling basin shall be cleaned out when the storage has been reduced by 50% of its original capacity.
5. All necessary National, State and Local permits shall be secured prior to discharging into waters of the state.

INFORMATION OBTAINED FROM THE 2006
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Larry Lippich
CITY OF NORTH RIDGEVILLE, ENGINEER

REV No.	DATE	BY	DESCRIPTION
CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING			
DE-WATERING			
SCALE: NOT TO SCALE			SWP-15
DATE: 10/01/08		DRWN BY: JAB/TEB	