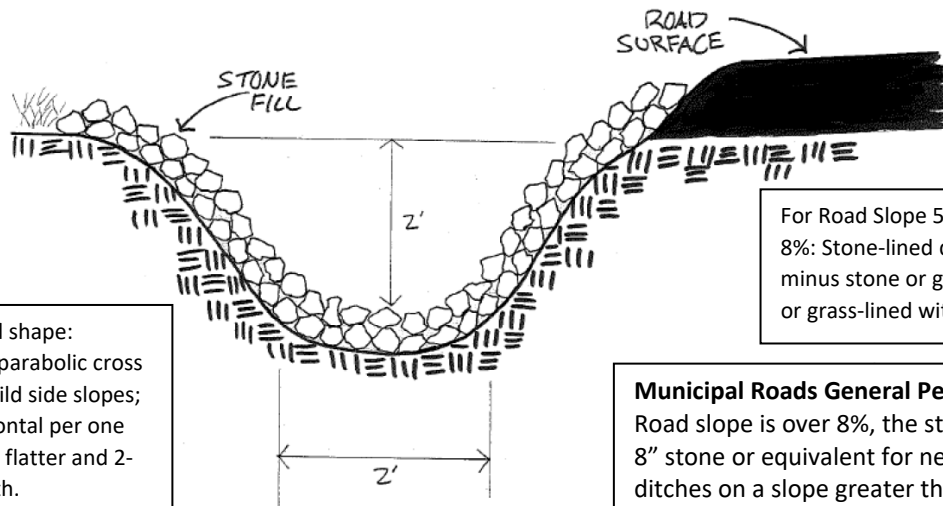


Reminder of Important MRGP Practices

Ditching:



Recommended shape: trapezoidal or parabolic cross section with mild side slopes; two foot horizontal per one foot vertical or flatter and 2-foot ditch depth.

For Road Slope 5% or greater but less than 8%: Stone-lined ditch: minimum 6"- 8" minus stone or grass-lined with check dams or grass-lined with at least 2 disconnects.

Figure 13: Stone lined ditch

Municipal Roads General Permit Recommendation: Road slope is over 8%, the stone-lined ditches shall use 6" – 8" stone or equivalent for new practice construction. For ditches on a slope greater than 10% it is recommended to use 12" minus stone or the equivalent, also referred to as Stone Fill, Type 1 for ditch lining. **(The longest dimension of the stone shall vary from 1 inch to 12 inches, and at least 50% of the volume of the stone in-place shall have a minimum dimension of 4 inches.)**

Remember to hydroseed/place seed & matting on steep ditch backslopes.



Stabilize Bare or Unvegetated Areas: The MRGP requires stabilization of bare or unvegetated areas following construction and soil disturbance on hydrologically connected road segments. All bare areas shall be revegetated with seed and mulch, hydroseeded, or stone lined within 5 days of disturbance of soils or, if precipitation is forecast, sooner.

Culvert Reminders:

If a new culvert is required, it must have a minimum 15" diameter for driveway culverts within the right-of-way, and 18" minimum diameter for drainage culverts. Drive and drainage culverts located on road slopes 5% or greater also require headers/headwalls and outlet stabilization (stone aprons or plunge pools).

Culverts on intermittent streams now require culvert sizing based on the Active Channel Width. See the Intermittent Stream Crossing Sizing Guidance, found in Appendix C of the MRGP Permit (link below).

(Drainage culverts conveying perennial waters are still subject to coverage under the DEC Stream Alteration General Permit. MRGP Standards do not apply to culverts conveying perennial waters and are not eligible for Grants in Aid funding).

For more details refer to the following documents:

Better Roads Manual: <https://vtrans.vermont.gov/highway/better-roads>

MRGP Permit: <https://dec.vermont.gov/sites/dec/files/wsm/stormwater/docs/MRGP%202023%20Final.pdf>