

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
STORMWATER TREATMENT, PERMANENT CHECK DAM, STONE

ENV:CP

1 of 2

APPR:DMG:DBP:12-07-22

a. Description. This work consists of furnishing and constructing a permanent stormwater treatment check dam with plain riprap in the roadside ditch bottom at the locations shown on the plans. Conduct all work in accordance with the standard specifications and as specified herein.

b. Materials. Furnish materials in accordance with subsection 916.01.C of the Standard Specifications for Construction, except ensure that plain riprap and coarse aggregate 3x1 is natural stone or quarried limestone. Blend plain riprap and coarse aggregate 3x1 to create a homogeneous mixture. The use of recycled crushed concrete is prohibited.

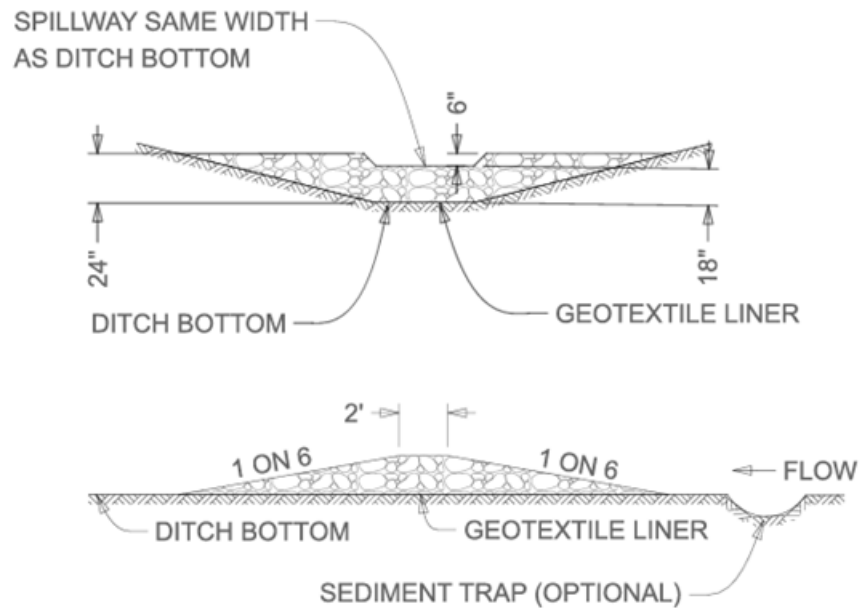
Furnish a General Certification as described in the *MQAP Manual* for the riprap for acceptance.

c. Construction. Prepare the base as shown on the plans and in accordance with the standard specifications prior to placing the stone. Clear the area of debris 2 inches or larger. Construct permanent stormwater treatment check dam to the line and grade shown on the plans. Dimension the stormwater treatment check dam as shown in Figure 1 depending on whether it is located in the clear zone and/or isolated from the road by a protective barrier. Construct optional sediment traps in accordance with the *Soil Erosion and Sedimentation Control Manual*.

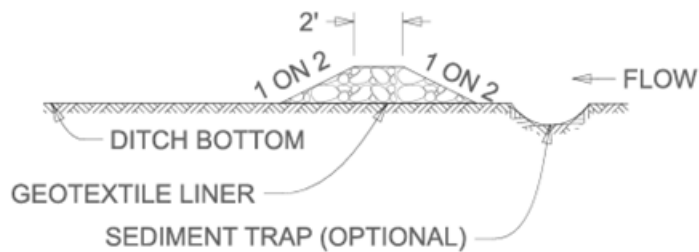
d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
Stormwater Treatment, Check Dam, Stone	Each

Sediment traps, if required, will be paid for separately in accordance with section 208 of the Standard Specifications for Construction.



SIDE VIEW SHOWING PERMANENT CHECK DAM WHEN IN CLEAR ZONE AND NOT ISOLATED BY GUARDRAIL OR BARRIER WALL



SIDE VIEW SHOWING PERMANENT CHECK DAM OUTSIDE OF CLEAR ZONE OR ISOLATED BY GUARDRAIL OR BARRIER WALL

Figure 1: Stormwater check dam dimensions