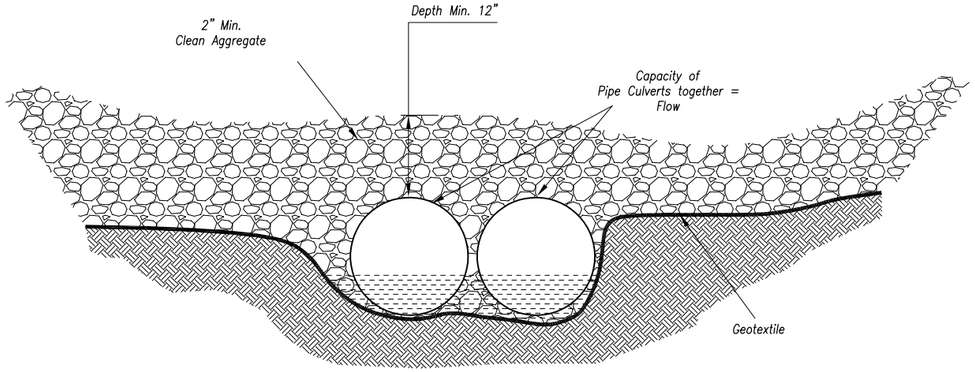
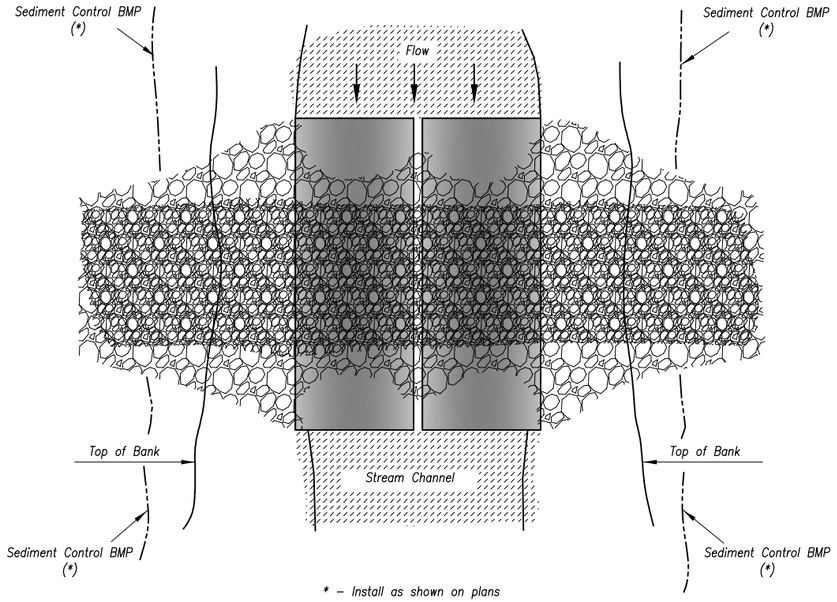


ELEVATION



* – Install as shown on plans

PLAN VIEW

Notes:

1. Overland Park Municipal Code (OPMC) and Overland Park Design and Construction Standards Manual (OPDCSM) are incorporated, except as otherwise noted.
2. Clearing and excavation of the stream bed and banks shall be kept to a minimum.
3. Place one pipe, buried 6" into the stream bottom, at the lowest point of the channel to allow the passage of aquatic organisms. Additional pipes shall be placed along the remainder of the stream channel bottom such that ordinary high water (OHW) flows designated in the Contract Documents shall flow through the pipes without overtopping the crossing. (See Specification for more information).
4. Geotextile shall be placed on the streambed and streambanks prior to placement of the pipe culvert and aggregate. The geotextile shall cover the streambed and extend a minimum of 6 inches and a maximum of 1 foot beyond the end of culvert and bedding material. Filter cloth reduces settlement and improves crossing stability.
5. The culvert shall extend a minimum of 1 foot beyond the upstream and downstream toe of the aggregate placed around the culvert. In no case shall the culvert exceed 40 feet in length.
6. The culvert shall be covered with a minimum of 1 foot of aggregate. If multiple culverts are used, they shall be separated by at least 12" of compacted aggregate fill.
7. As soon as crossing no longer needed, all structures including culverts, bedding and geotextile materials shall be removed. Removal of the structure and clean–up of the area shall be accomplished without construction equipment working in the channel.
8. Upon removal of the structure, the stream and banks shall immediately be shaped to its original cross–section and properly stabilized. Take care to minimize the amount of sediment lost into the stream.

Maintenance:

Repair stream bank erosion by stabilizing with erosion control BMPs such as erosion control blankets.
For in–stream degradation, armor the culvert outlet(s) with riprap to dissipate energy.
If sediment or debris is accumulating upstream of the crossing, remove as needed to maintain the functionality of the crossing.
If a temporary crossing is requiring excessive maintenance, replacement with a larger culvert or alternate design may be necessary.

Year 2019 Edition

REVISIONS:

RELATED ORDINANCES:
OPMC Title 15

OVERLAND PARK
KANSAS
ABOVE AND BEYOND. BY DESIGN.

DEPARTMENT OF PUBLIC WORKS
STANDARD DETAILS

TEMPORARY STREAM CROSSING

DATE: 01/15/15 SHEET: 42

DRAWING NAME: K:\Details_Specs\Detail_Drawings\details_english\revision_19\temporary stream crossing.dwg
WEB SITE ADDRESS: http://www.opkansas.org/Doing–Business/Construction–Details