



Notes:

1. Overland Park Municipal Code (OPMC) and Overland Park Design and Construction Standards Manual (OPDCSM) are incorporated, except as otherwise noted.
2. The diversion channel crossing must be operational before work is done in the stream. Construction will be performed in the dry.
3. Minimum width of bottom shall be 6 feet or equal to bottom width of existing streambed, whichever is less.
4. Maximum steepness of side slopes shall be 2H:1V. Depth and grade may be variable, dependent on site conditions, but shall be sufficient to ensure continuous flow of water in diversion.
5. Channel must be lined with riprap or turf reinforcement mat depending on the expected velocity and shear stress in the channel.
6. Stream diversion liners shall be secured at the upstream and downstream sides with non-erodible weights such as riprap. These weights shall allow normal flow of the stream. Soil shall not be mixed with stream diversion weights. Weights may also be needed along the diversion's length to secure liner.
7. Stream diversion liners shall be entrenched at the top of slopes along with a sediment control BMP.
8. Non-erodible materials such as riprap, Jersey barriers, sand bags, plywood, or sheet piling shall be used as flow barriers to divert the stream away from its original channel and prevent or reduce water backup into the construction area.
9. Stream should be re-diverted only after backfilling and re-stabilization of original streambed and banks is completed.

STREAM DIVERSION CHANNEL

Year 2019 Edition

REVISIONS:	
RELATED ORDINANCES:	
OPMC Title 15	
WEB SITE ADDRESS: http://www.opkansas.org/_bus/pre-construction_resources	DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS STREAM DIVERSION CHANNEL
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