STREAM DIVERSION CHANNEL

Notes:

1. Overland Park WORKSHOP CODE (OPWMC) and Overland Park Design and Construction Standards Manual (OPDSCM) are incorporated except as otherwise noted.

2. This channel cross-channel grading must be operational before work in the stream. Construction will be performed in the city.

3. Minimum width of channel shall be 6 feet or equal to channel width of existing streambed, whichever is less.

4. Maximum clearance of side slopes shall be 2H:1V. Depth and grade may vary depending on site conditions, but 1:3 may be sufficient to control lateral 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 levees shall be secured on the upstream and downstream side with non-erodible materials such as riprap. These materials 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 them.

7. Stream diversion levees shall be constructed at the top of slope along with a sediment control SWP.

8. Non-erodible materials such as riprap, armored sheet piling, or sheet piling shall be used to form barriers to divert the stream away from the 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 streambed and banks is completed.