



**END SECTION PROTECTION**  
(When Approved for Temporary Condition)

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**Notes:**

1. Overland Park Municipal Code (OPMC) and Overland Park Design and Construction Standards Manual (OPDCSM) are incorporated, except as otherwise noted.
2. Rock all sides steeper than 3:1.
3. Stabilize all disturbed areas downstream of end section.
4. Alternative permanent stabilization may be used with approval by City Engineer.
5. Install riprap so that it is no higher than flowline of pipe.

- \* - See plans for apron length, apron width, riprap sizing and riprap depth.
- \*\* - Refer to End Section Toe Wall detail.

REVISIONS:		<p>ABOVE AND BEYOND. BY DESIGN.</p>
RELATED ORDINANCES:		DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS
OPMC Title 15		<b>END SECTION PROTECTION</b>
WEB SITE ADDRESS: <a href="http://www.opkansas.org/_bus/pre-construction_resources">http://www.opkansas.org/_bus/pre-construction_resources</a>		DATE: 01/10/2015
		SHEET: 45