



NOTE: A Floodplain Development Permit is required from the City prior to any construction within the Special Flood Hazard Areas identified on the FEMA Flood Insurance Rate Map. Stream Crossings shall also comply with the Floodplain Development Permit.

Stream Crossing Alternative No. 4 - Open Cut With 30" Min. Cover

**GRAVITY SEWER BELOW GRADE
STREAM CROSSING STANDARD-2
SANITARY SEWER PIPE STANDARDS**

THE CITY OF
PONCA CITY, OKLAHOMA

CITY ENGINEERING DEPT. * 516 E. GRAND * P. O. BOX 1450 * PONCA CITY, OK. * (580)767-0326, FAX-0325

Designed by	MIKE CHAPMAN	Checked by	JIM FAIRBANKS & DARWIN HANEY
Drawn by	SIMON CORNELL	Revised by	
Project No.		Date:	OCT 2008

NOT TO SCALE

SEWSTD 180