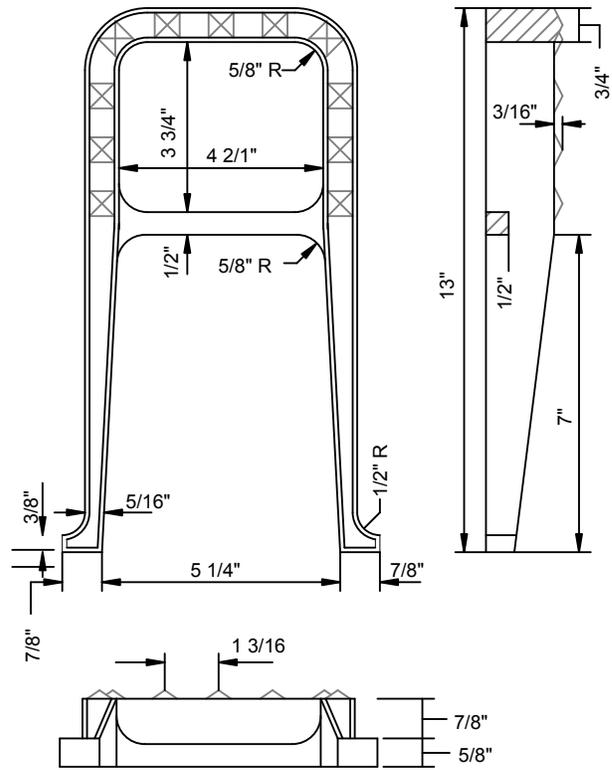
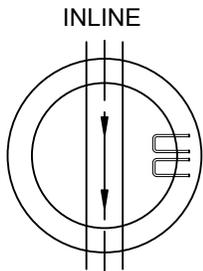


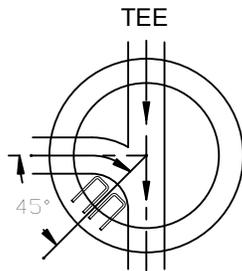
LARGE STEP



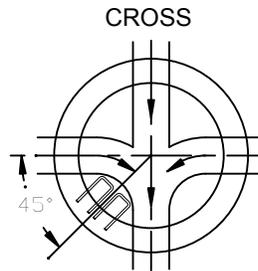
STANDARD STEP



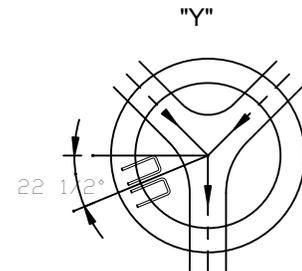
INLINE



TEE

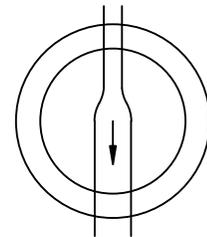
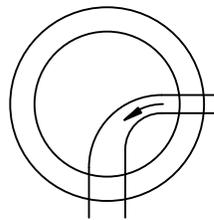
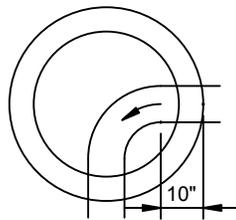
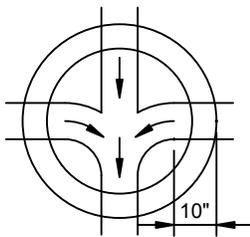


CROSS



"Y"

LOCATION OF MANHOLE STEPS



TYPICAL MANHOLE INVERT DETAIL

MANHOLE INVERT MINIMUM DROPS

1/10' MINIMUM DROP ACROSS MANHOLE FOR INLINE MANHOLE INVERTS.

2/10' MINIMUM DROP FROM INLET TO OUTLET IF 90° OR LESS APART.

MAINTAIN FLOW LINE THROUGH MANHOLES AS CLOSE AS POSSIBLE.

REVISION	BY	DATE

MANHOLE STEPS & INVERT DETAILS STANDARD DETAILS	
CITY OF OWASSO, OKLAHOMA PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	
DATE: 05/05	STANDARD NO. SAN-05