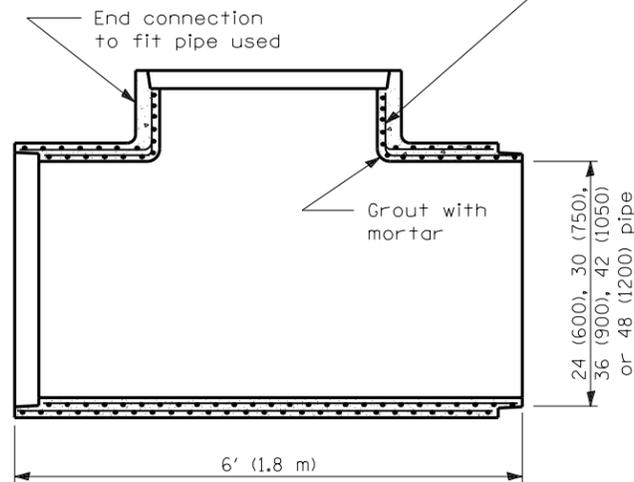
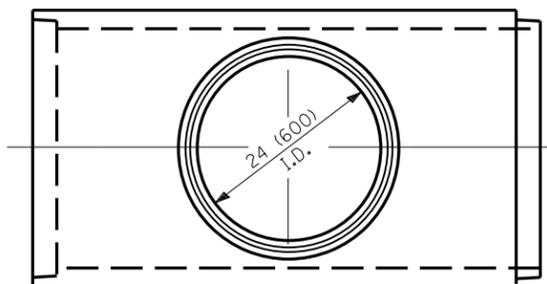


Inner cage circumferential reinforcement = 0.01 sq. in./ft. (212 mm²/m) (min.) longitudinal reinforcement is same as for 36 (900) riser.



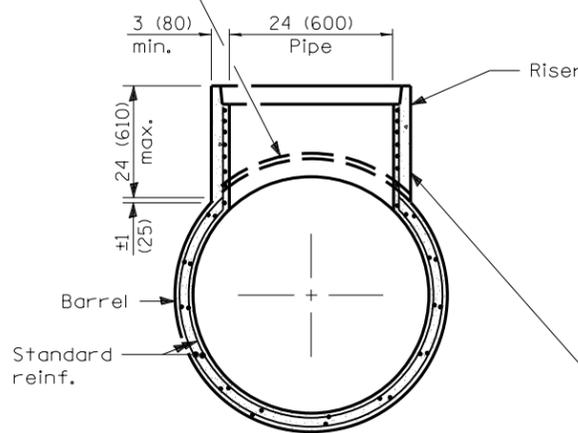
LONGITUDINAL SECTION

For wire W12 thru W2 (10.008 thru 7.188), length of weld shall be $\frac{3}{4}$ (20) min.
For wire W5.5 thru W2.5 (6.655 thru 4.496), length of weld shall be $\frac{3}{8}$ (10) min.
Other wire gauges shall be tied per detail.

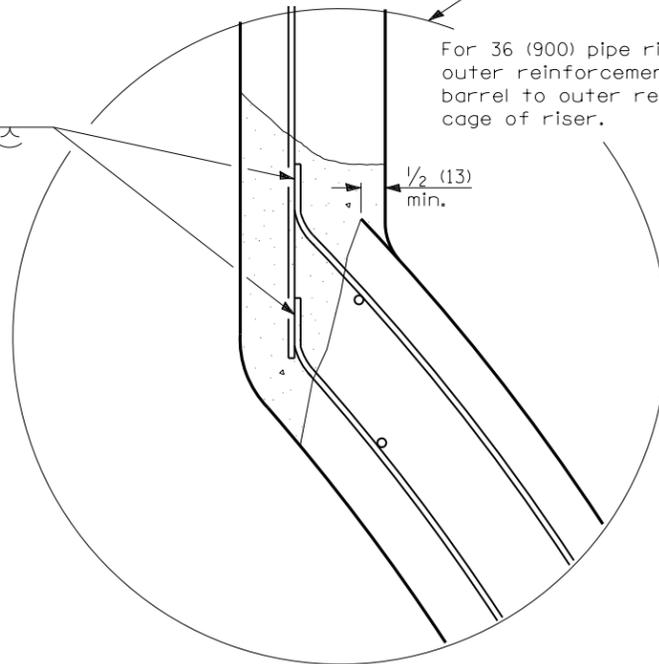


**PLAN
TEE WITH 24 (600) RISER**

Remove concrete in existing pipe along this line. Clean reinforcement for either tied or welded laps of longitudinal and circumferential reinforcement per detail.



TRANSVERSE SECTION



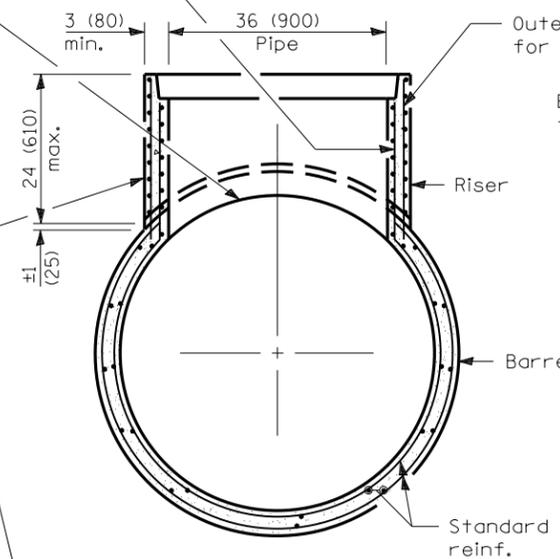
WELDED LAP

For 36 (900) pipe riser, weld outer reinforcement cage of barrel to outer reinforcement cage of riser.

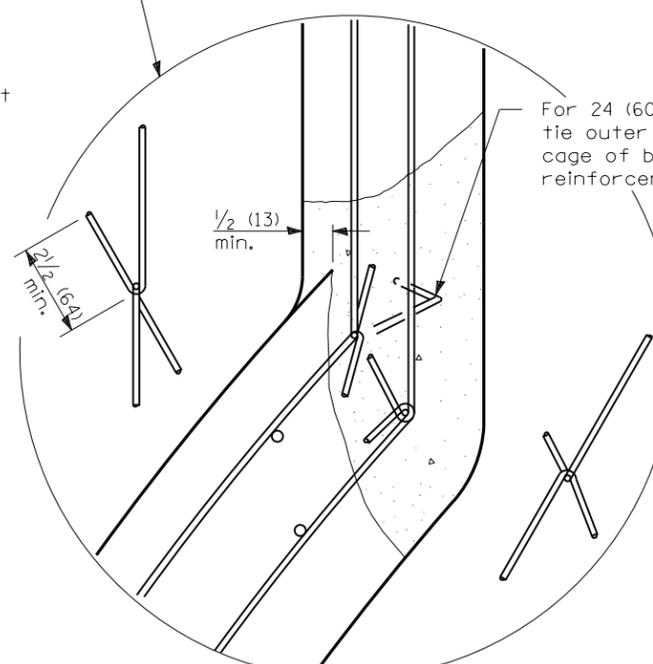
$\frac{1}{8}$ (3)

$\frac{1}{2}$ (13) min.

Inner cage-circumference reinf. = 0.17 sq. in./ft. (360 mm²/m) (min.) longitudinal reinf. = 0.049 sq. in./ft. (104 mm²/m) (min.) spaced at 6 (150) cts. max. or equivalent to W2.5 (4.496) spaced at 6 (150) cts.



TRANSVERSE SECTION



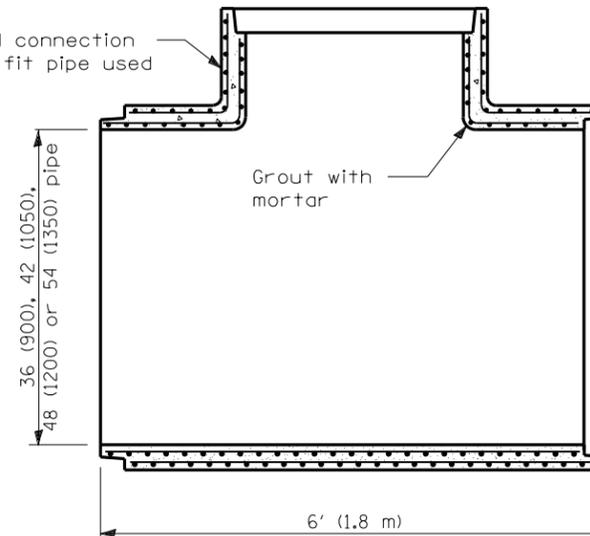
TIED LAP

For 24 (600) pipe riser, tie outer reinforcement cage of barrel to inner reinforcement cage of riser.

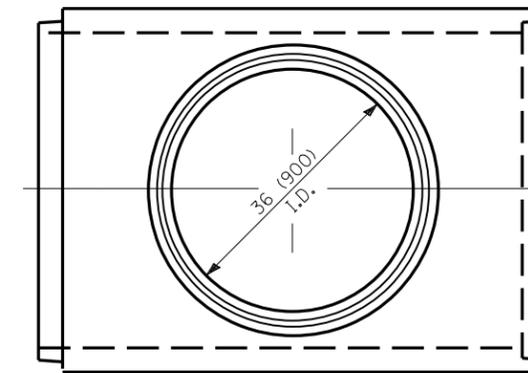
$\frac{1}{2}$ (13) min.

$2\frac{1}{2}$ (64) min.

End connection to fit pipe used



LONGITUDINAL SECTION



**PLAN
TEE WITH 36 (900) RISER**

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2011
Michael Beard
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2011
Santosh
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-11	Corrected weld symbol on Welded Lap detail.
1-1-09	Switched units to English (metric).

**REINFORCED CONCRETE
PIPE TEE**

STANDARD 542606-02