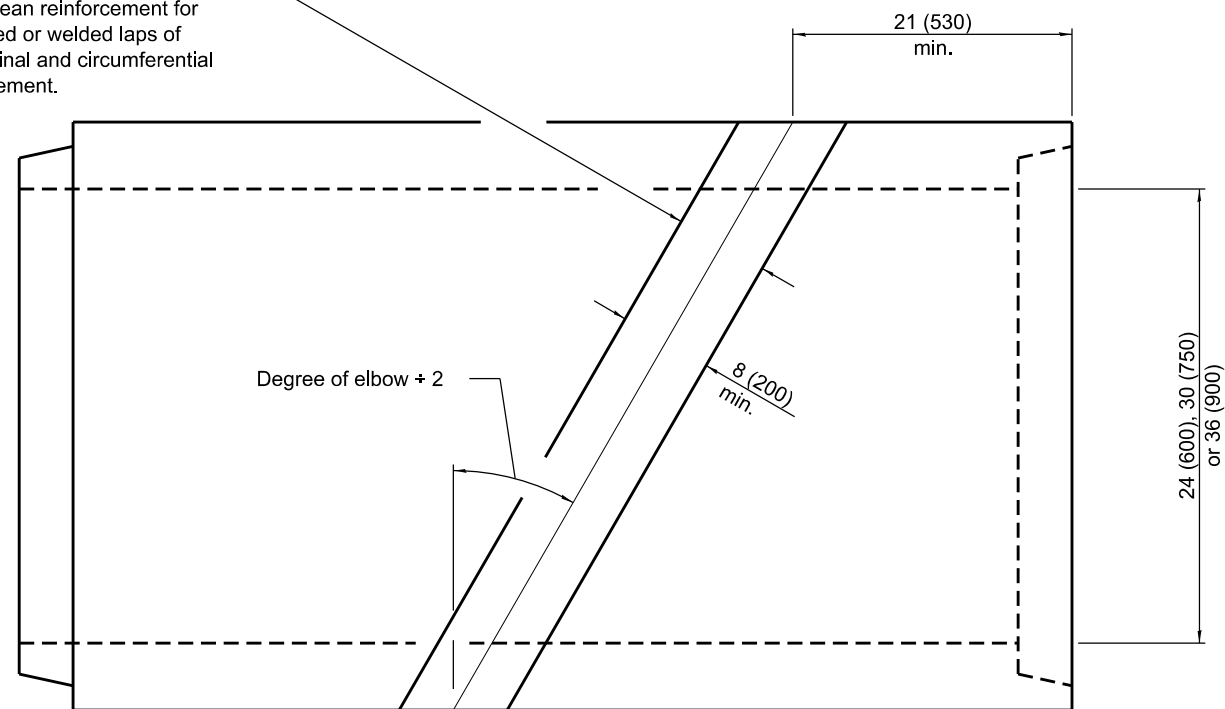
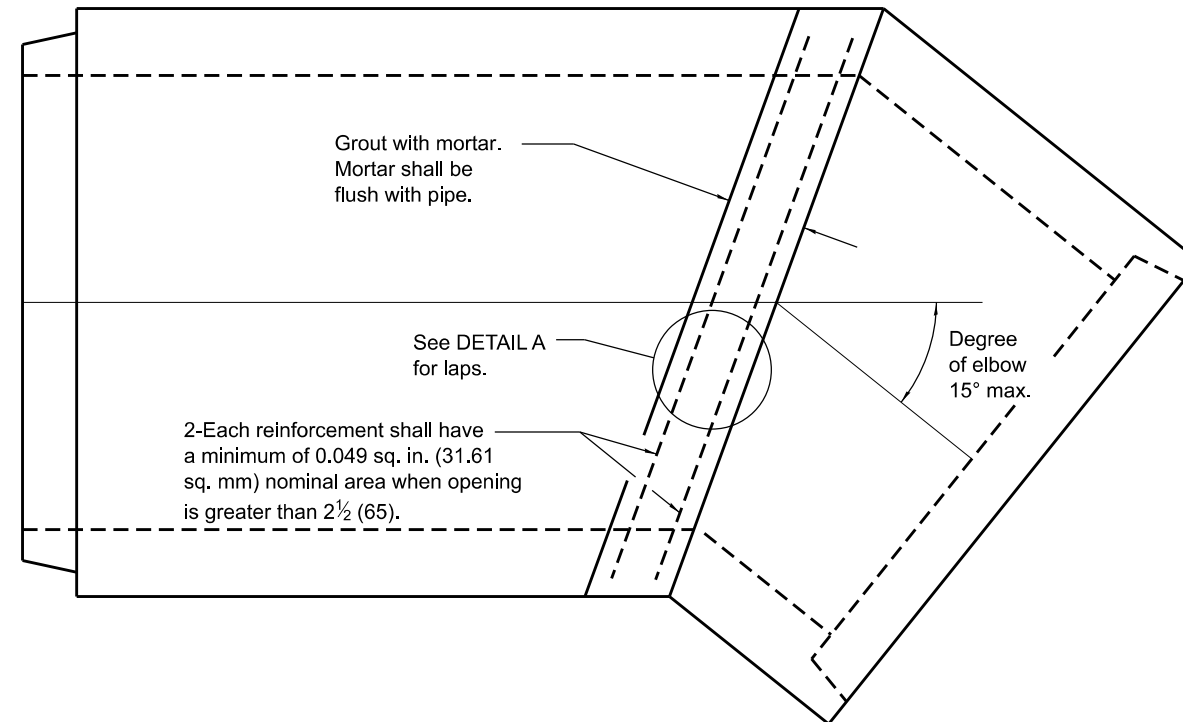


Remove concrete along these lines. Clean reinforcement for either tied or welded laps of longitudinal and circumferential reinforcement.

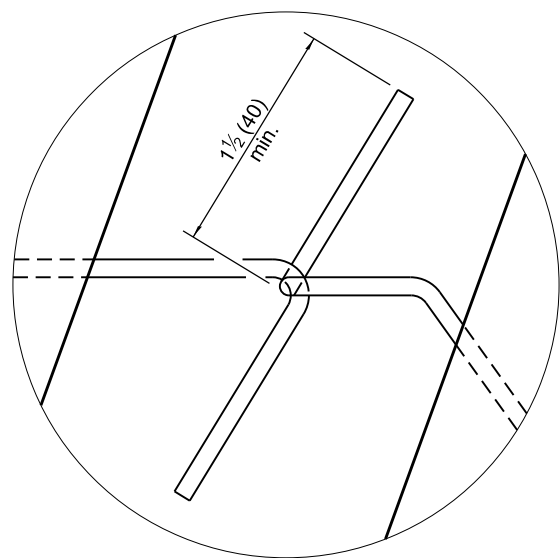


PLAN
(Reinforced concrete pipe)

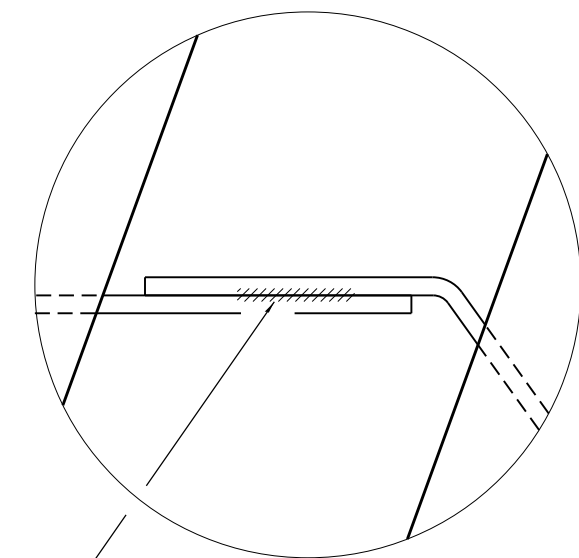
$1\frac{1}{2}$ (40) min., $2\frac{1}{2}$ (65) max. (Tied lap)
 $1\frac{1}{2}$ (40) min., 6 (150) max. (Welded lap)



PLAN
(Reinforced concrete pipe elbow)



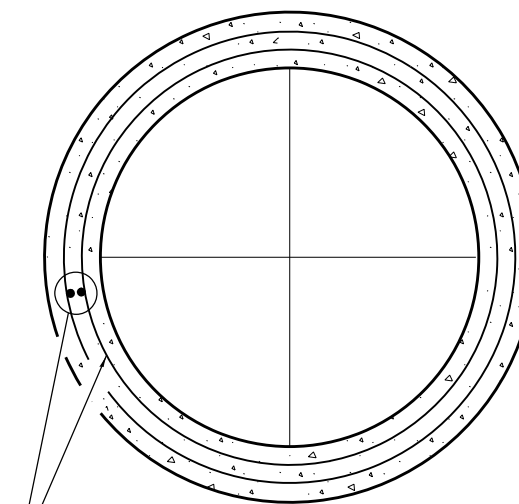
TIED LAP



For wire dia. W14 - W6 (10.72 - 7.01), length of weld shall be $\frac{3}{4}$ (20) min.
For wire dia. W5.5 - W2.9 (6.73 - 4.88), length of weld shall be $\frac{3}{8}$ (10) min.
Other wire dia. shall be tied per detail.

WELDED LAP

DETAIL A



TRANSVERSE SECTION

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

| DATE | REVISIONS |
|--------|--------------------------------|
| 1-1-11 | Corr. weld sym. on WELDED LAP |
| | det. Added pipe dia. to title. |
| | Set elbow to 15° max. |
| 1-1-10 | Corrected pipe diameter |
| | dimension lines. |

**REINFORCED CONCRETE PIPE
ELBOW 24", 30", OR 36"
(600 mm, 750 mm, OR 900 mm)**

STANDARD 542601-03

Illinois Department of Transportation

APPROVED January 1, 2011
Michael Brand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2011
Scott Schick
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97