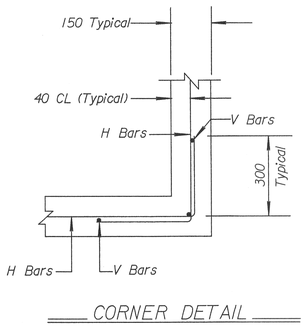
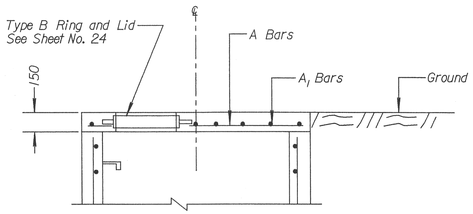
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	52 U-1785-01	2003	25	143

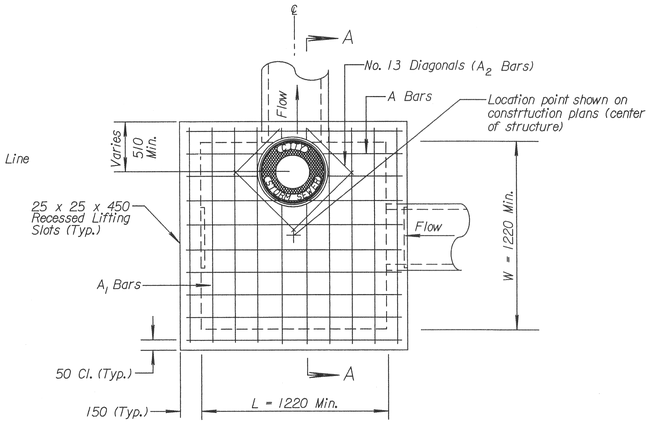
DATE	BY	
9-01	M Adams	REFERENCES NOTED
11-01	R Stegman	REFERENCES CHECKED



CORNER DETAIL



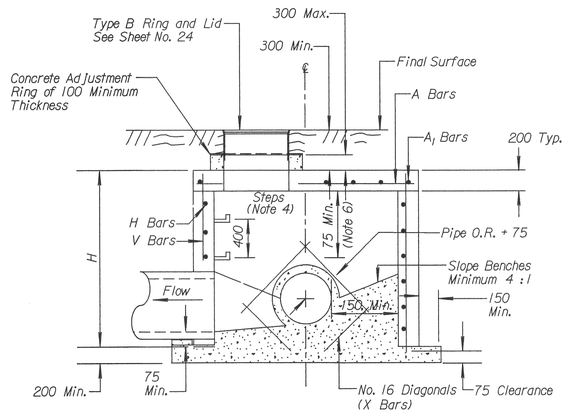
SLAB TOP ALTERNATE FOR
JUNCTION BOX (SHALLOW)



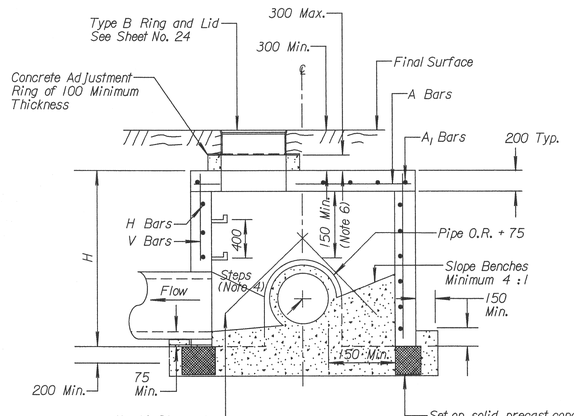
JUNCTION BOX

JUNCTION BOX NOTES

1. Use Grade 25 Concrete (AE) throughout.
2. The first dimension listed in the construction notes is the "L" dimension. The second dimension is the "W" dimension.
3. Floor of inlet shall be shaped with non-reinforced Grade 25 Concrete (AE) invert to provide smooth flow.
4. Cast iron steps to be Clay & Bailey 2102 or approved equal. Steel core, plastic coated steps may be used (M.A. Ind., Inc. No. PS1-PF, PS2-PF, or approved equal). Cast iron steps shall be spaced at 406 mm O.C. vertically. The distance from the last step to the top of concrete invert should be a maximum of 610 mm.
5. Bevel all exposed edges with 20 mm triangular molding.
6. All storm sewer structures shall be precast or poured in place. If precast structures are used, the tops shall be poured in place and the wall steel shall be left exposed to a height 50 mm below the finish top elevation, or as directed by the Engineer. Precast shop drawings are to be approved by the Engineer.
7. All concrete used in this work shall meet the applicable requirements of Standard Specifications for State Road and Bridge Construction, Kansas Department of Transportation, latest edition, and KDOT Special Provisions.
8. Reinforcing steel shall be new billet, minimum Grade 300 as per ASTM A615M, and shall be bent cold.
9. All dimensions relative to reinforcing steel are to centerline of bars. 40 mm clearance shall be provided throughout unless noted otherwise. Tolerance of +/- 3 mm shall be permitted.
10. All lap splices not shown shall be a minimum of 40 bar diameters in length.
11. All reinforcing steel shall be supported on fabricated steel bar supports @ 900 mm maximum spacing.
12. Do not scale these drawings for dimensions or clearances. Any questions regarding dimensions shall be brought to the attention of the Engineer prior to construction.
13. The minimum reinforcing shall be 1 H-Bar over a cast - in place pipe and 2 H-Bars over a precast boxout.
14. O.R. = one half outside pipe diameter (O.D.)



SECTION A-A
(Cast In Place)



SECTION A-A
(Precast)

REINFORCING

BARS	BAR SIZE	SPACING (mm)
H	16	300
V	16	300
A	13	150
A_1	13	150

NOTE: All dimensions in millimeters

KANSAS DEPARTMENT OF TRANSPORTATION

JUNCTION BOX DETAILS

Plotted : 4/6/2004
Drawn By : stegmen
File : p:\01541\01541 JUNCTION BOX Details.dgn
Section : $$$KDOTGRP$$$$