

TABLE A								
ELBOW DESIGN CONTROLS								
PIPE DIAMETER	L = Pay limits of Pipe Elbow and minimum length of pipe required for fabrication							
PIPE DIAMETER	DEGREE OF ELBOW < 45°	DEGREE OF ELBOW > 46°						
12(300)	24(600)	4′(1 . 22M)						
15(375)	24(600)	4′(1.22M)						
18(450)	24(600)	4′(1 . 22M)						
21(525)	24(600)	4′(1 . 22M)						
24(600)	4′(1 . 22M)	4′(1 . 22M)						
30(750)	4′(1.22M)	6′(1 . 83M)						
36(900)	4′(1 . 22M)	6′(1 . 83M)						

TABLE B										
ELBOW DESIGN CONTROLS										
EARTH SLOPE (V:H)	DEGREE OF ELBOW *									
1:6	9°									
1:4	14°									
1:3	18°									
1:2	26°									
1:11/2	33°									

* Approximate - based upon 0.5% inlet and outlet flowlines.

Degree of elbow Pay limits of Pipe Drain or Pipe Culvert
3/8(10) X

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

01-0	97 RENUM. J-11.05, NEW REVISION BOX, T.P.				F.A. RTE.	SECTION COUN	TY TOTAL SHEET
	REVISED TITLE BOX	STATE OF ILLINOIS	PIPE ELBOW				
10-16	06 REVISED TO 2007 SPEC. M.A.	DEPARTMENT OF TRANSPORTATION				CONTR	ACT NO.
			NOT TO SCALE	CADD STD. 601301-D4	FED. ROAD DIST.	NO. ILLINOIS FED. AID PROJEC	