

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	305
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

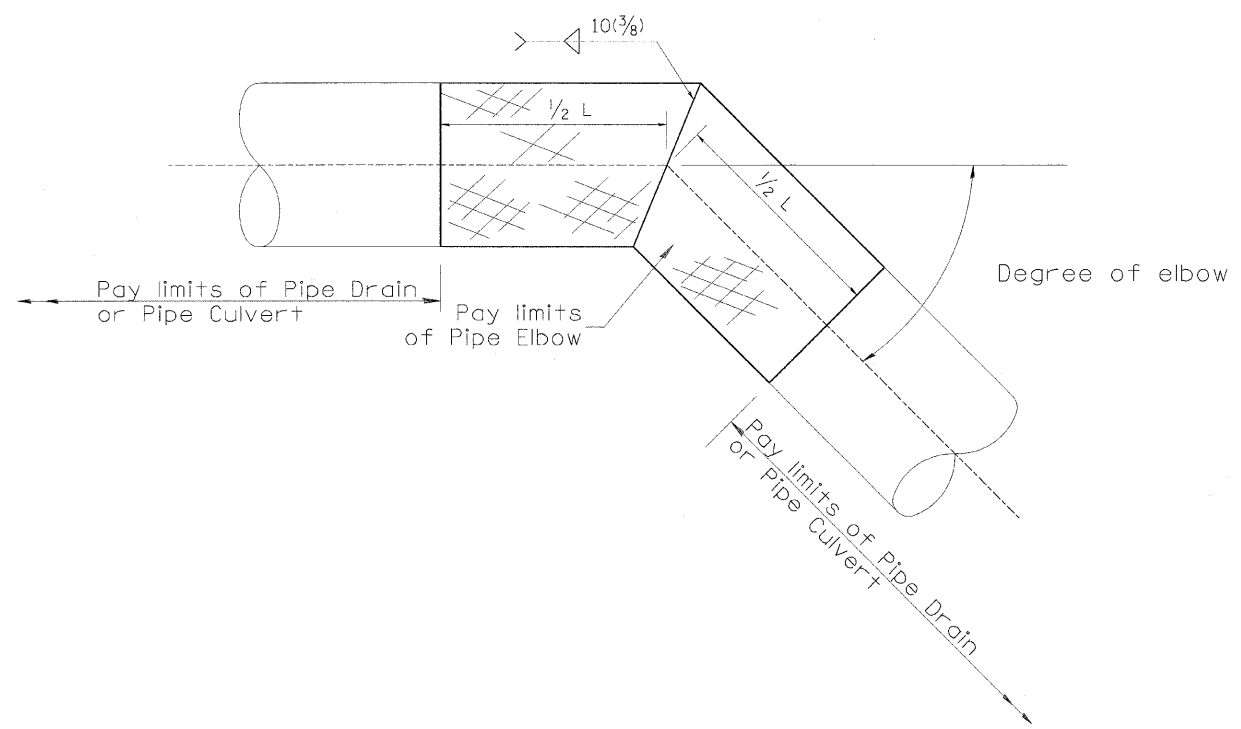
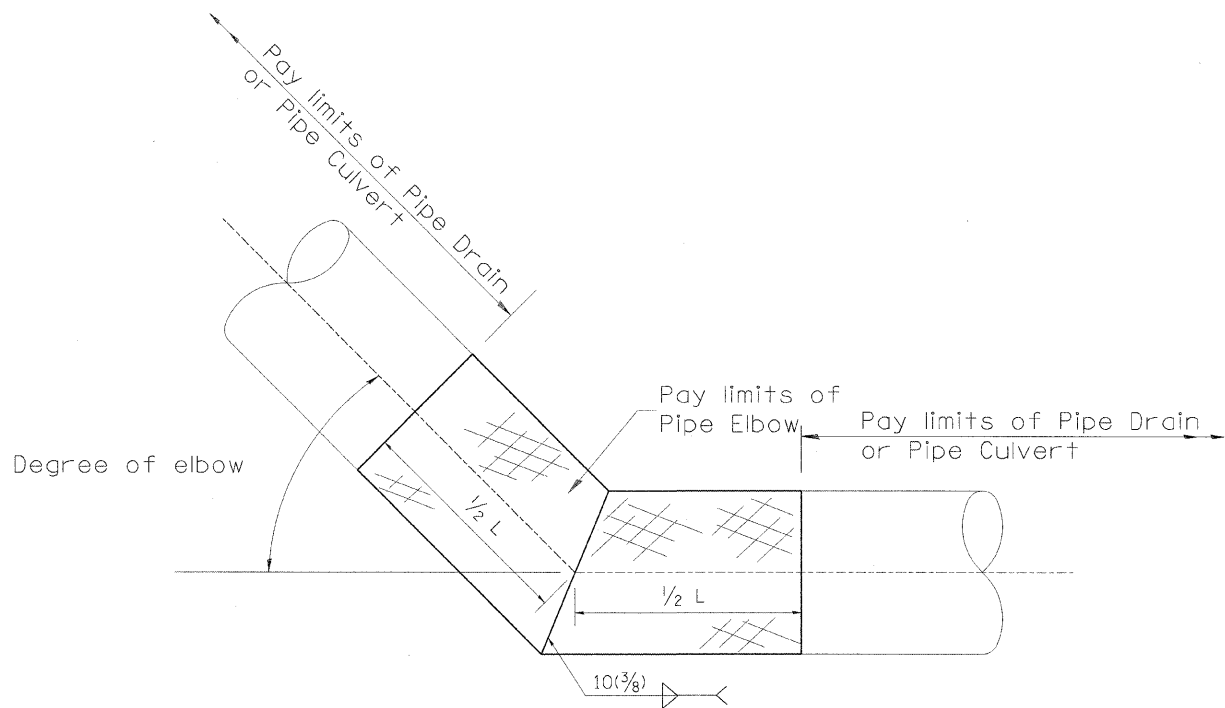


TABLE A		
ELBOW DESIGN CONTROLS		
PIPE DIAMETER	L = Pay limits of Pipe Elbow and minimum length of pipe required for fabrication	
	DEGREE OF ELBOW $\leq 45^\circ$	DEGREE OF ELBOW $\geq 46^\circ$
300(12)	600(24)	1.22M(4')
375(15)	600(24)	1.22M(4')
450(18)	600(24)	1.22M(4')
525(21)	600(24)	1.22M(4')
600(24)	1.22M(4')	1.22M(4')
750(30)	1.22M(4')	1.83M(6')
900(36)	1.22M(4')	1.83M(6')

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

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



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PIPE ELBOW DRAINAGE DETAILS

SCALE: VERT. N/A
HORIZ. N/A
DATE
DRAWN BY IDOT
CHECKED BY

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

MODEL NAME = Pipe Elbow
PLOT DATE = 12/23/2009
PLOT SCALE = 1:1000
USER NAME = JohnR007344
LAYOUT KET B/24/06
DRAWN IDOT 1/01/07
REVIEWED MTM 10/1/07