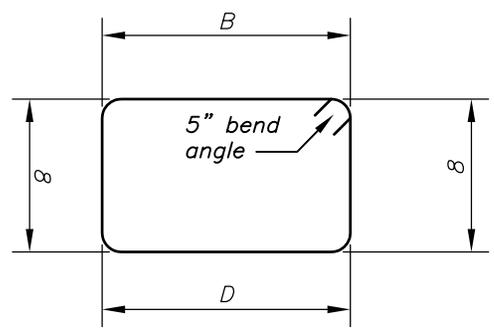


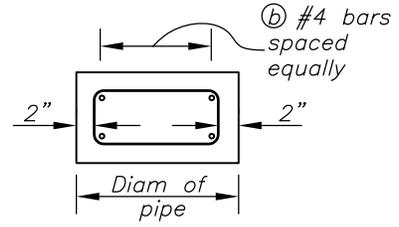
29L240

5/8" steel rod shall be bent to fit corrugated metal pipe and placed over the three 1/4"x2" steel plates and tightened. After the 5/8" rod has been installed and tightened, the exposed portion of rod, nuts, washers and angle shall be coated immediately with asphalt cement.



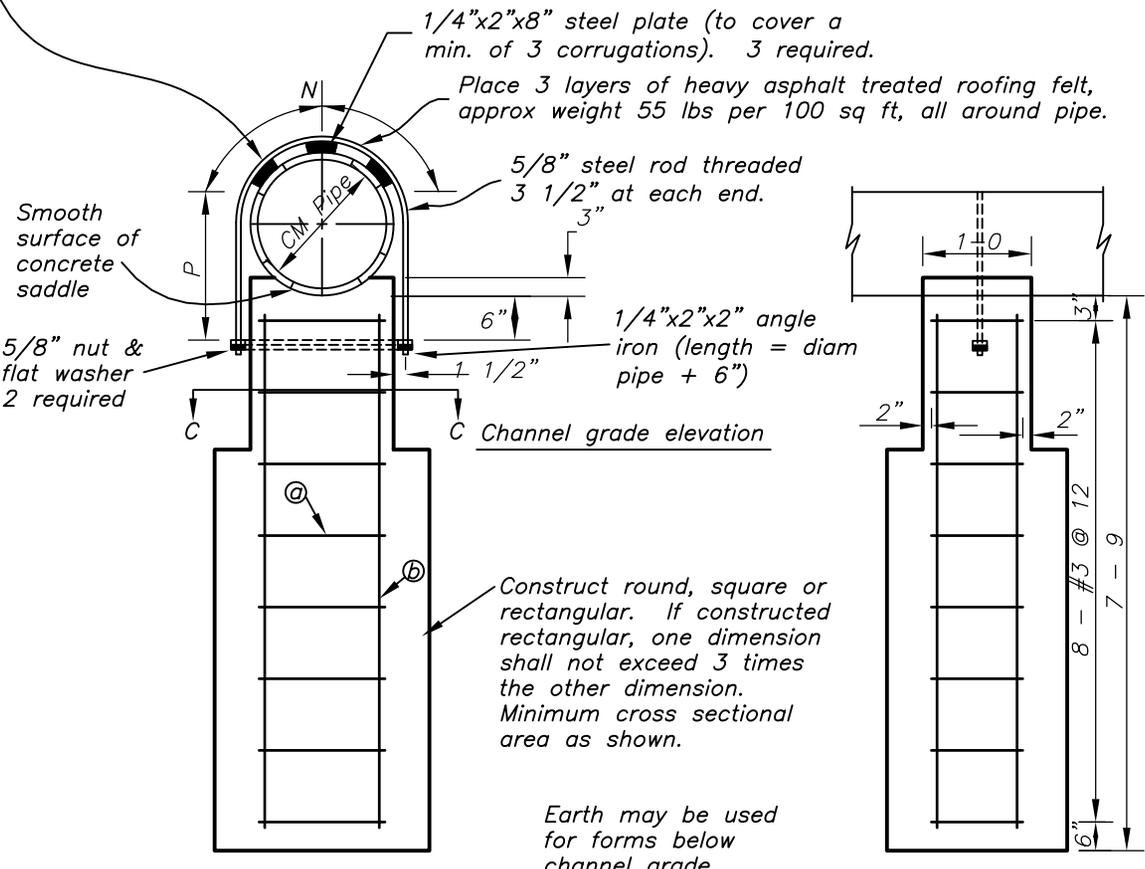
TYPE-T1

Straight  
TYPE-1  
BAR TYPE DETAILS

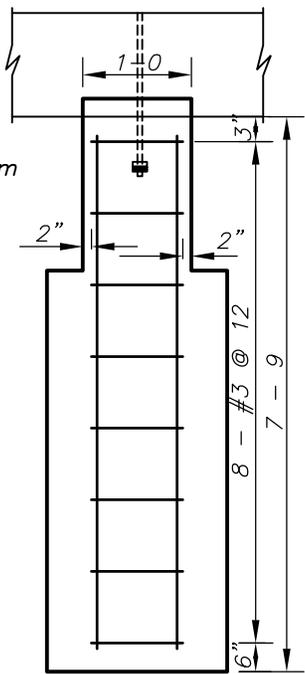


SECTION C-C

NOTES:  
Concrete and steel shall conform to Missouri Construction Specification 750.



OUTLET SUPPORT



SECTION ON CENTERLINE

Construct round, square or rectangular. If constructed rectangular, one dimension shall not exceed 3 times the other dimension. Minimum cross sectional area as shown.

Earth may be used for forms below channel grade.

STEEL SCHEDULE														
		18 INCH DIAM PIPE				24 INCH DIAM PIPE				30 INCH DIAM PIPE				
MARK	TYPE	SIZE	QUAN	L'NGH	B or D	TOTAL	QUAN	L'NGH	B or D	TOTAL	QUAN	L'NGH	B or D	TOTAL
a	T1	#3	8	4-6	1-2	36-0	8	5-6	1-8	44-0	8	6-6	2-2	52-0
b	1	#4	4	7-6		30-0	6	7-6		45-0	6	7-6		45-0

DIMENSIONS					QUANTITIES				CONCRETE			
CM PIPE DIAM	PIPE GAGE	STEEL ROD		OUTLET SUPPORT MIN CROSS SECTIONAL AREA	STEEL				TOTAL POUNDS	CU YDS	PIPE DIAM	
		N	P		#3 BARS FEET POUNDS	#4 BARS FEET POUNDS	TOTAL POUNDS					
18	16	2-9	1-5	5-7	4.5 Square Feet	36.0	13.5	30.0	20.0	33.5	1.1	18
24	14	3-6	1-8	6-10	4.5 Square Feet	44.0	16.5	45.0	30.1	46.6	1.1	24
30	12	4-4	1-11	8-2	6.2 Square Feet	52.0	19.6	45.0	30.1	49.7	1.5	30

Revised 02/97 (Not to Scale)

Date \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_

DETAILS FOR  
CONCRETE PIPE OUTLET SUPPORT



DRAFT  
NOT FOR CONSTRUCTION

File Name \_\_\_\_\_  
 Drawing Name  
 29-L-240  
 Sheet \_\_\_\_\_ of \_\_\_\_\_