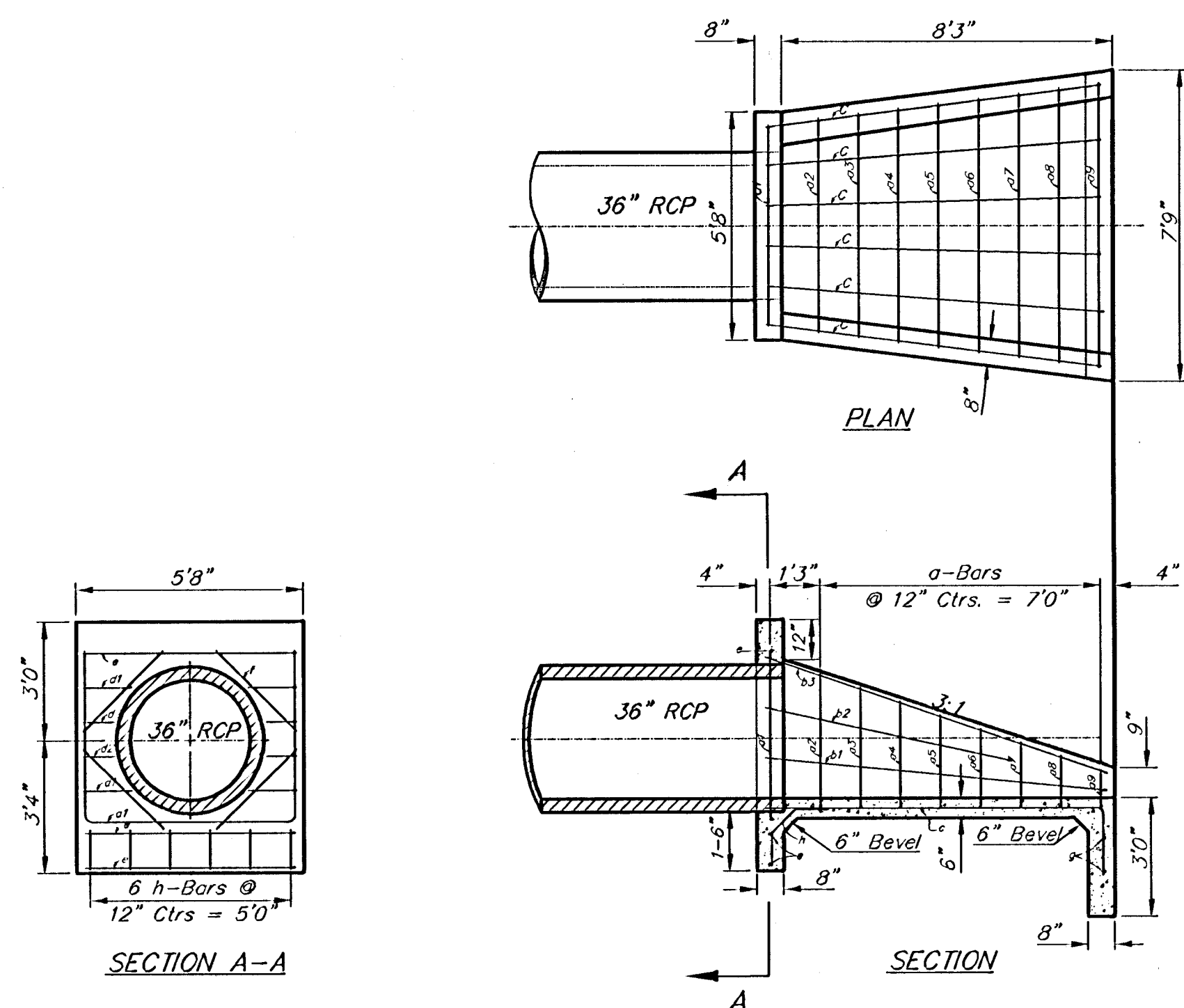




a-Bars	
a1 4'5"	
a2 3'4"	
a3 2'11"	
a4 2'7"	
a5 2'3"	
a6 1'11"	
a7 1'7"	
a8 1'2"	
a9 10"	

Bar	Shape	No.	Length	Weight
a1		1	14'0"	9.35
a2		1	11'10"	7.90
a3		1	11'3"	7.52
a4		1	10'10"	7.24
a5		1	10'5"	6.96
a6		1	10'0"	6.68
a7		1	9'7"	6.40
a8		1	9'0"	6.01
a9		1	8'7"	5.73
b1		2	8'5"	11.24
b2		2	4'7"	6.12
b3		2	9'0"	12.02
c		6	10'4"	41.42
d1		4	1'6"	4.01
d2		4	10"	2.23
e		3	5'4"	10.69
f		4	3'0"	8.02
g		2	7'0"	9.35
h		6	2'6"	10.02
Total Rebar			178.91 Lbs.	
Concrete			3.20 C.Y.	

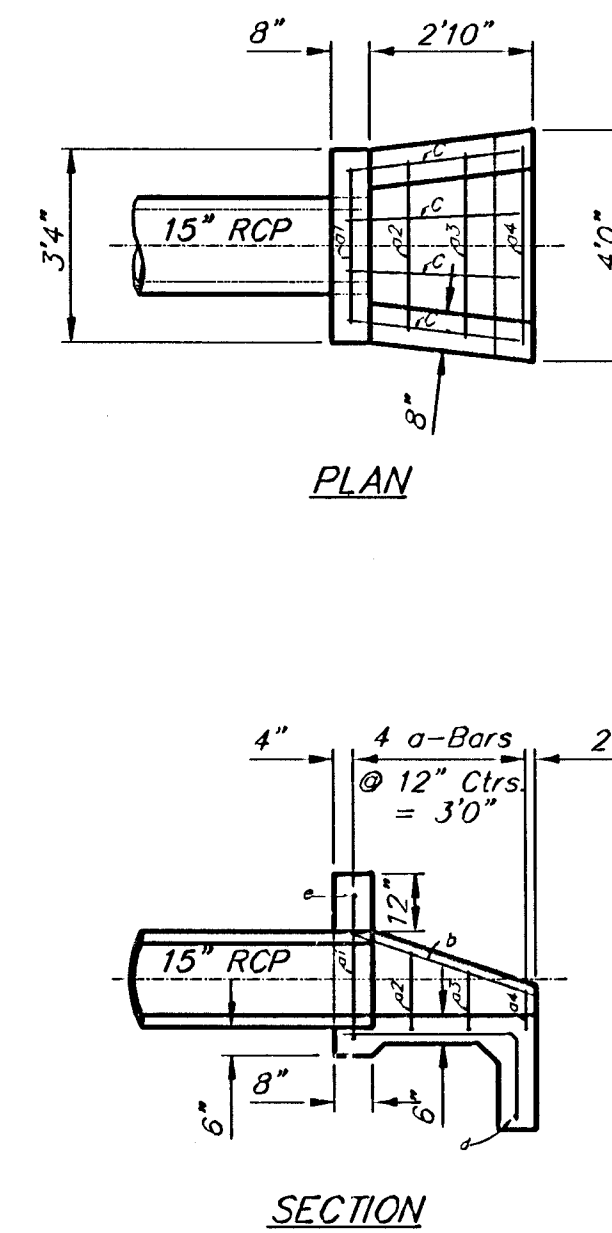
A Deduction in Concrete Quantities Has Been Made for Pipe Openings Through the Headwall.

* Field Bend or Cut Reinforcing as Required for Clearance.

All Concrete Reinforcement to be #4 Rebar.

All Rebar to Have Min. of 1 1/2" Conc. Cover.

HEADWALL FOR 36" RCP



a-Bars	
a1 2'8"	
a2 2'11"	
a3 3'2"	
a4 3'5"	

c-Bars	
c1 2'5"	
c2 1'4"	
c3 1'0"	
c4 8"	

Bar	Shape	No.	Length	Weight
a1		1	7'6"	5.01
a2		1	5'7"	3.73
a3		1	5'2"	3.45
a4		1	4'9"	3.17
b		2	4'0"	5.34
c		4	5'6"	14.70
d		1	3'5"	2.28
e		1	2'8"	1.78
Total Rebar			39.46 Lbs.	
Concrete			0.67 C.Y.	

A Deduction in Concrete Quantities Has Been Made for Pipe Openings Through the Headwall.

* Field Bend or Cut Reinforcing as Required for Clearance.

All Concrete Reinforcement to be #4 Rebar.

All Rebar to Have Min. of 1 1/2" Conc. Cover.

HEADWALL FOR 15" RCP

- GENERAL NOTES**
- ALL PIPES SHALL BE FLUSH CUT PRIOR TO BEING CAST INTO CONCRETE HEADWALL.
 - CONCRETE USED IN HEADWALL CONSTRUCTION SHALL BE SAME AS PER CITY STANDARD PAVING MIX EXCEPT THAT IT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
 - ALL EXPOSED EDGES SHALL BE BEVELED 1/2".
 - REINFORCING STEEL SHALL COMPLY TO A.S.T.M. DESIGNATION A615 GRADE 60. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED.
 - THE "REIN. CONC. HEADWALL" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH IN PLACE WHICH SHALL INCLUDE ALL LABOR, MATERIALS, EXCAVATION, CONCRETE, REINFORCING STEEL AND ALL OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK. MATERIAL QUANTITIES SHOWN ARE FOR INFORMATION ONLY.

		HEADWALL DETAIL	
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P3162627211 F3162626149 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE			
PROJECT NUMBER		DESIGN BLP/DMV	
REVISIONS		DATE 01/06	
SCALE Noted		SHEET 24 OF 44	
HEADWALL			