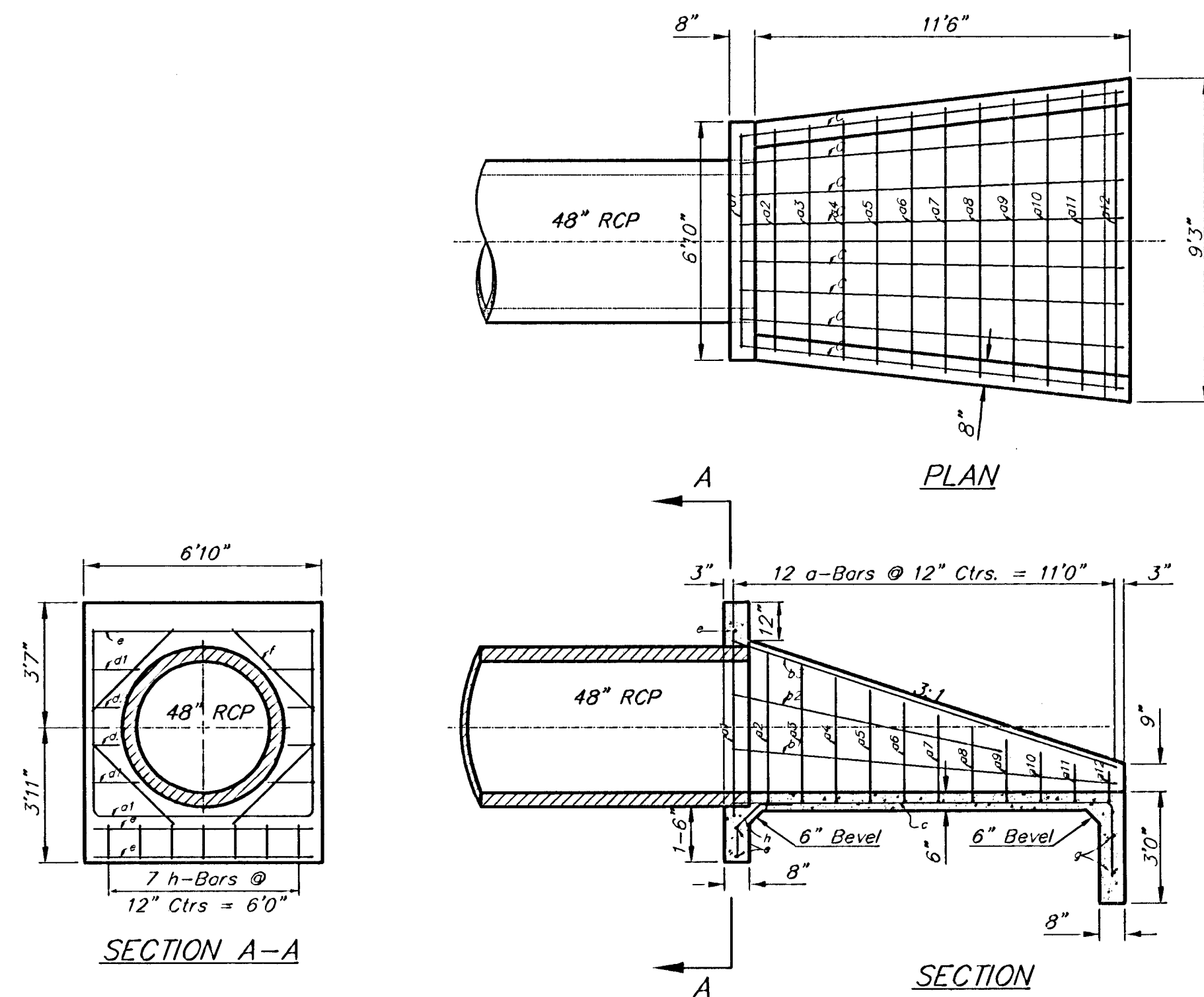
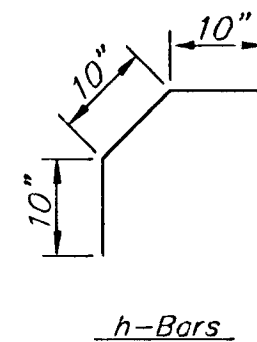




a-Bars	a1 5'0"	a2 4'0"	a3 3'8"	a4 3'4"	a5 3'0"	a6 2'8"	a7 2'4"	a8 2'0"	a9 1'8"	a10 1'4"	a11 1'0"	a12 0'8"
a1 5'7"												
a2 5'10"												
a3 6'1"												
a4 6'4"												
a5 6'6"												
a6 6'9"												
a7 7'0"												
a8 7'3"												
a9 7'6"												
a10 7'9"												
a11 8'0"												
a12 8'3"												



c-Bars	c1 10'6"	c2 2'0"
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REBAR SCHEDULE				
Bar	Shape	No.	Length	Weight
a1		1	15'7"	10.41
a2		1	13'10"	9.24
a3		1	13'5"	8.96
a4		1	13'0"	8.68
a5		1	12'6"	8.35
a6		1	12'1"	8.07
a7		1	11'8"	7.79
a8		1	11'3"	7.52
a9		1	10'9"	7.18
a10		1	10'5"	6.96
a11		1	10'0"	6.68
a12		1	9'7"	6.40
b1		2	10'8"	14.24
b2		2	7'9"	10.35
b3		2	11'2"	14.91
c		8	12'6"	66.80
d1		4	1'3"	3.34
d2		4	9"	2.00
e		3	6'2"	12.36
f		4	3'5"	9.14
g		2	8'9"	11.69
h		7	2'6"	11.69
Total Rebar			252.76 Lbs.	
Concrete			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

- 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 FOR 48" RCP

		HEADWALL DETAIL	
		Baughman Company, P.A. 315 Ellis St. Woburn, MA 01801 P: 781-938-7111 F: 781-938-7111 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE	
PROJECT NUMBER 1701 PPS (607861)	DESIGN BLP/DMV	DRAWN JAK	
REVISIONS	APPROVED	DATE 09/06	
SCALE Note:		SHEET 8 OF 10	
Comotara-Michaels-Wise\Hdwall2		05-12-E431	