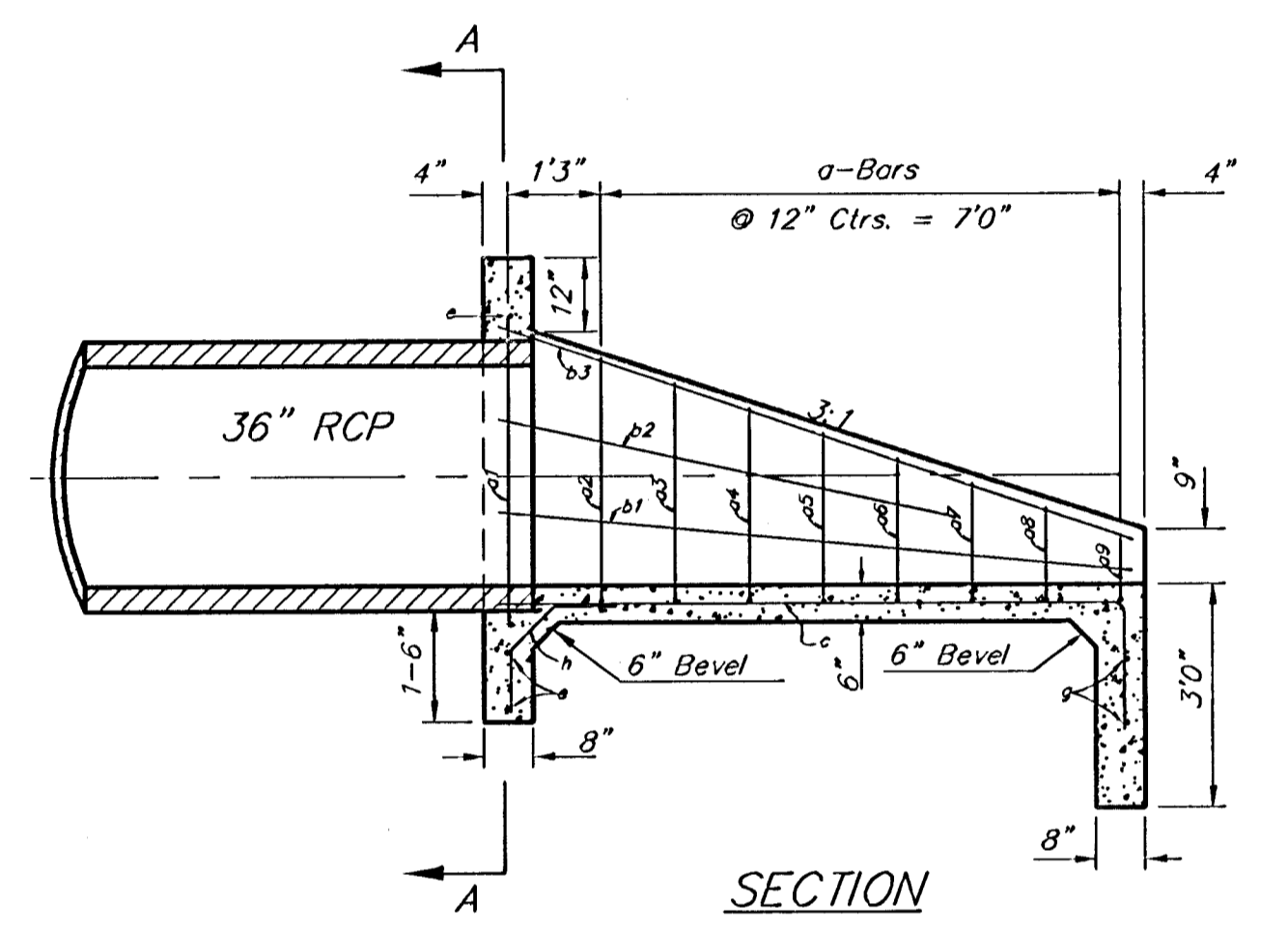
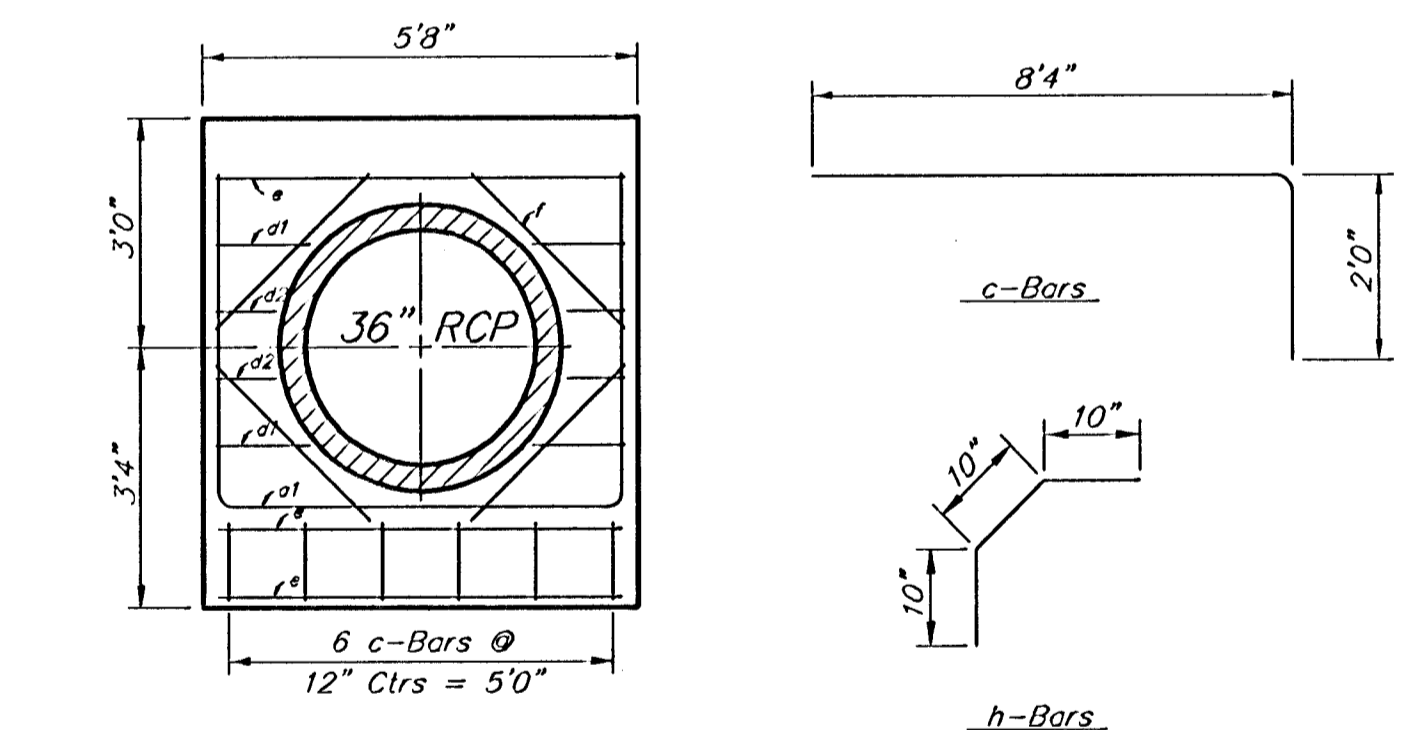


PLAN



SECTION



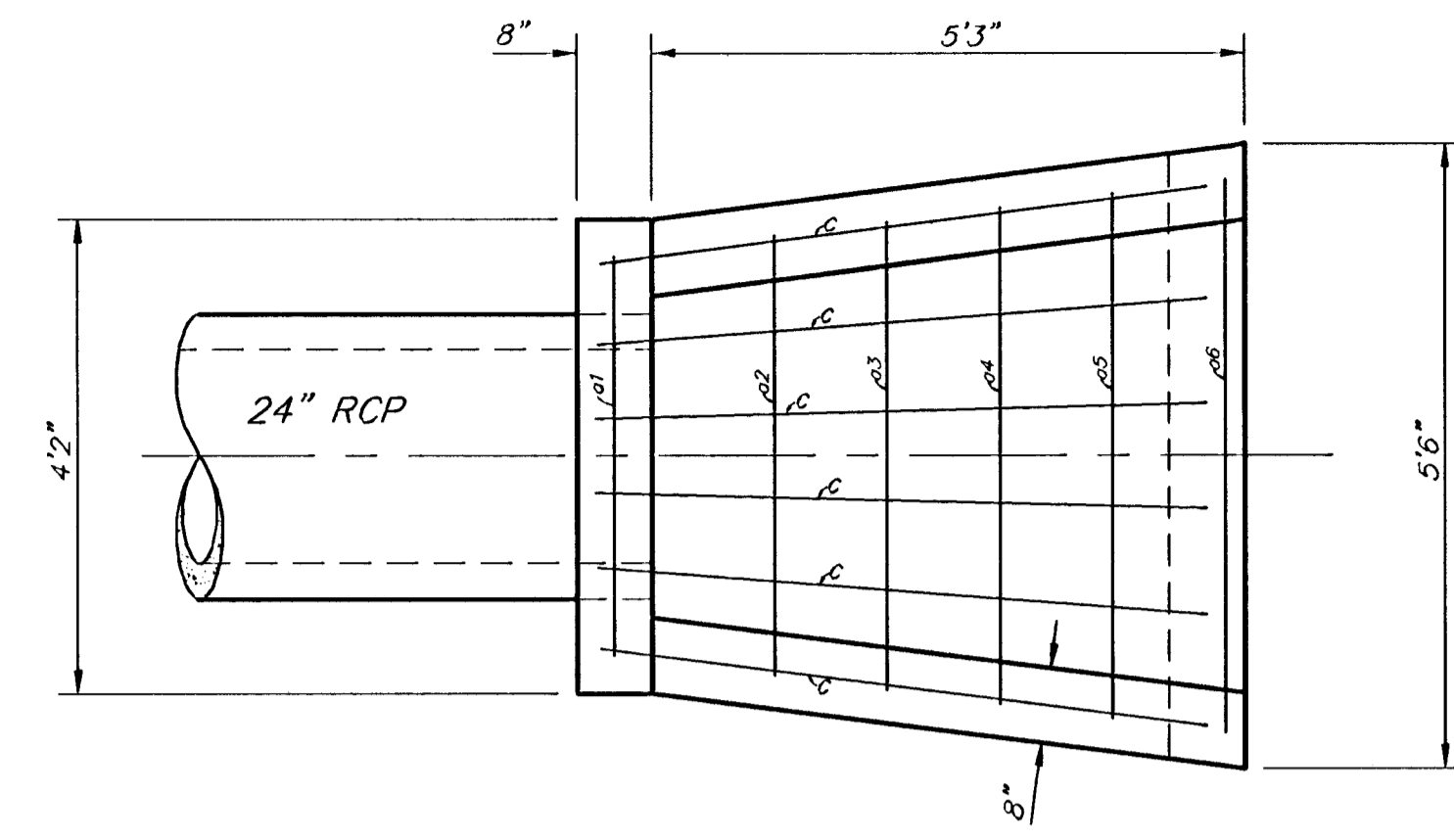
SECTION A-A

REBAR SCHEDULE

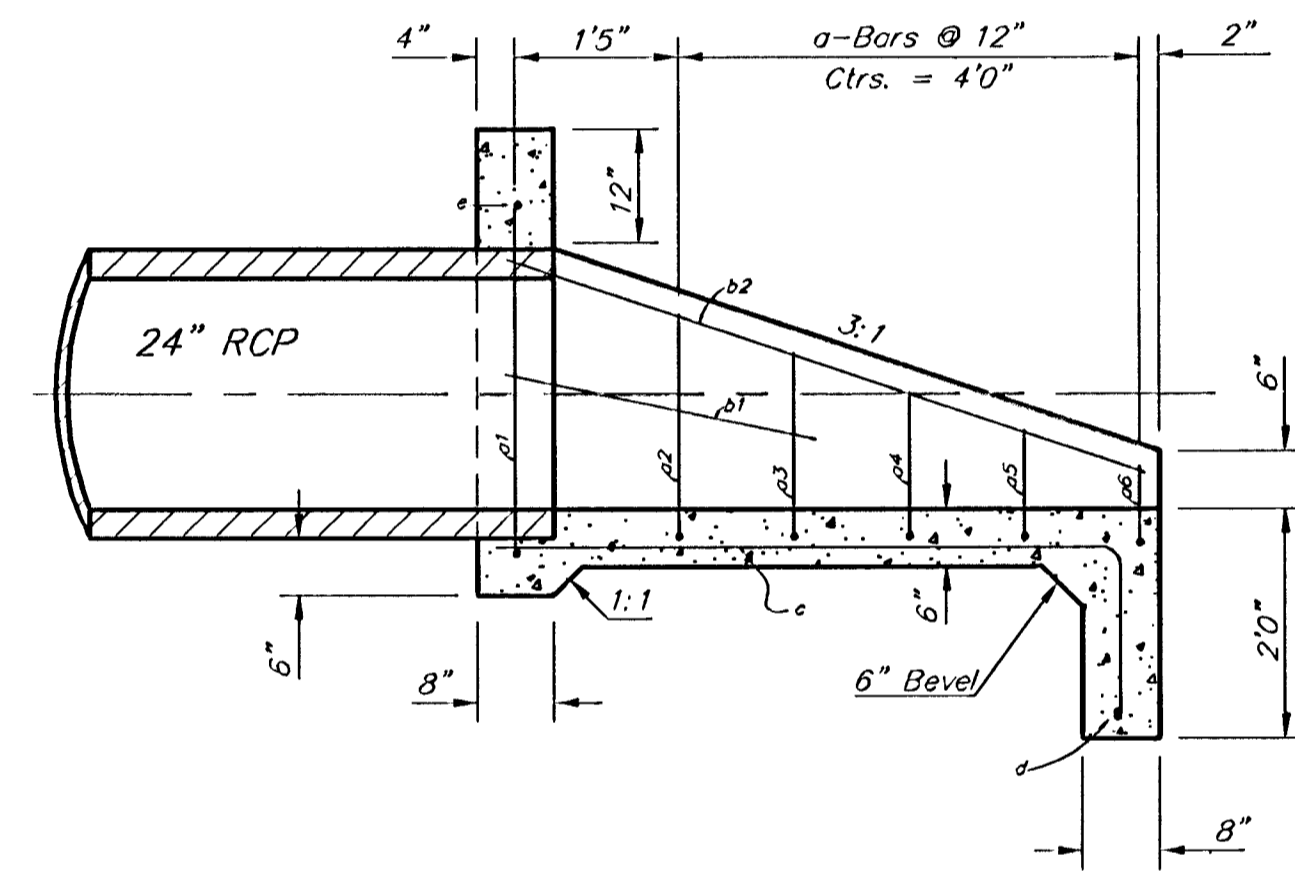
Bar	Shape	No.	Length	Weight
a1		1	14'0"	9.35
a2		1	11'10"	7.90
a3		1	11'3"	7.52
a4		1	10'10"	7.24
a5		1	10'5"	6.96
a6		1	10'0"	6.68
a7		1	9'7"	6.40
a8		1	9'0"	6.01
a9		1	8'7"	5.73
b1		2	8'5"	11.24
b2		2	4'7"	6.12
b3		2	9'0"	12.02
c		6	10'4"	41.42
d1		4	1'6"	4.01
d2		4	10"	2.23
e		3	5'4"	10.69
f		4	3'0"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

HEADWALL FOR 36" RCP

\* Field Bend or Cut Reinforcing as Required for Clearance.



PLAN



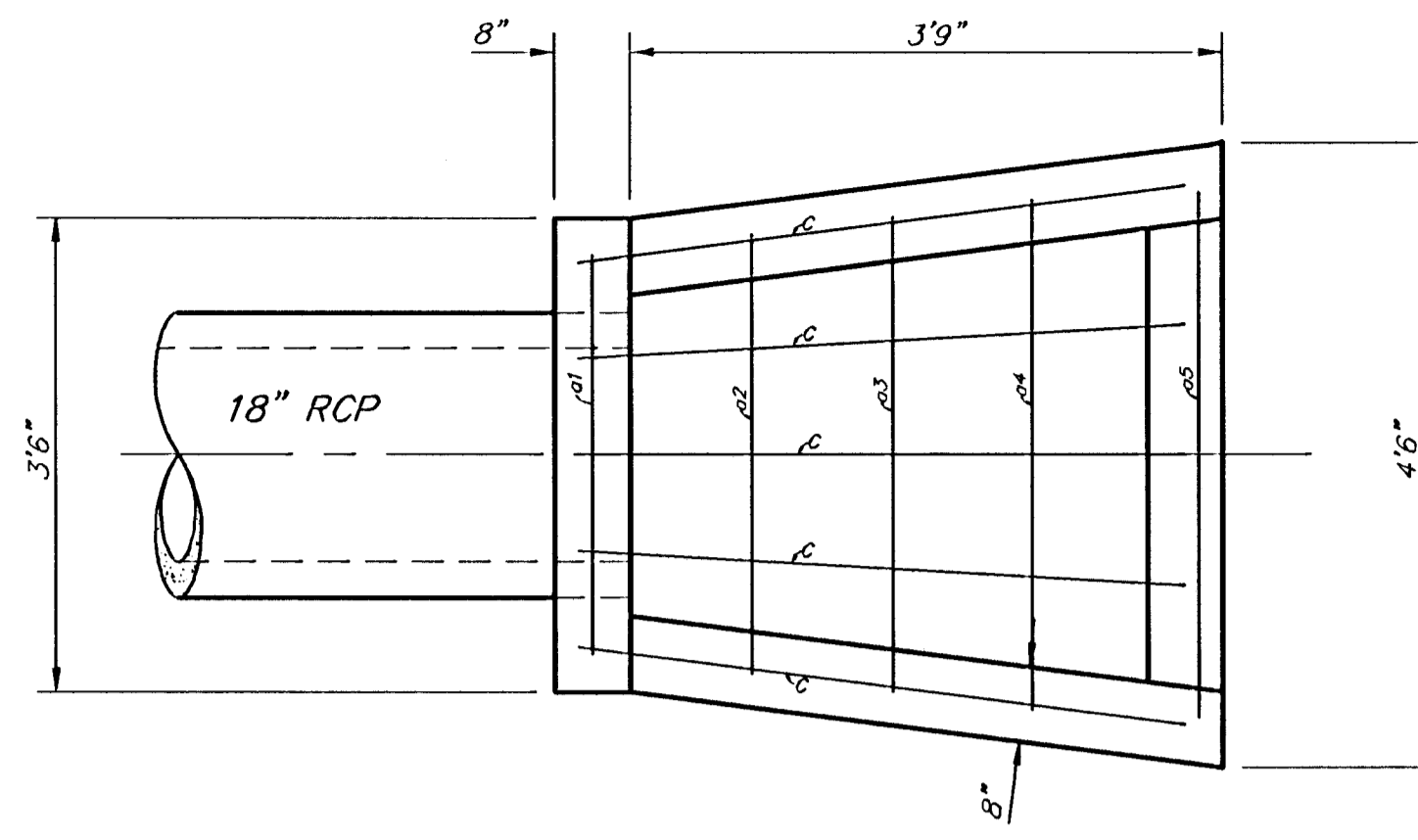
SECTION

REBAR SCHEDULE

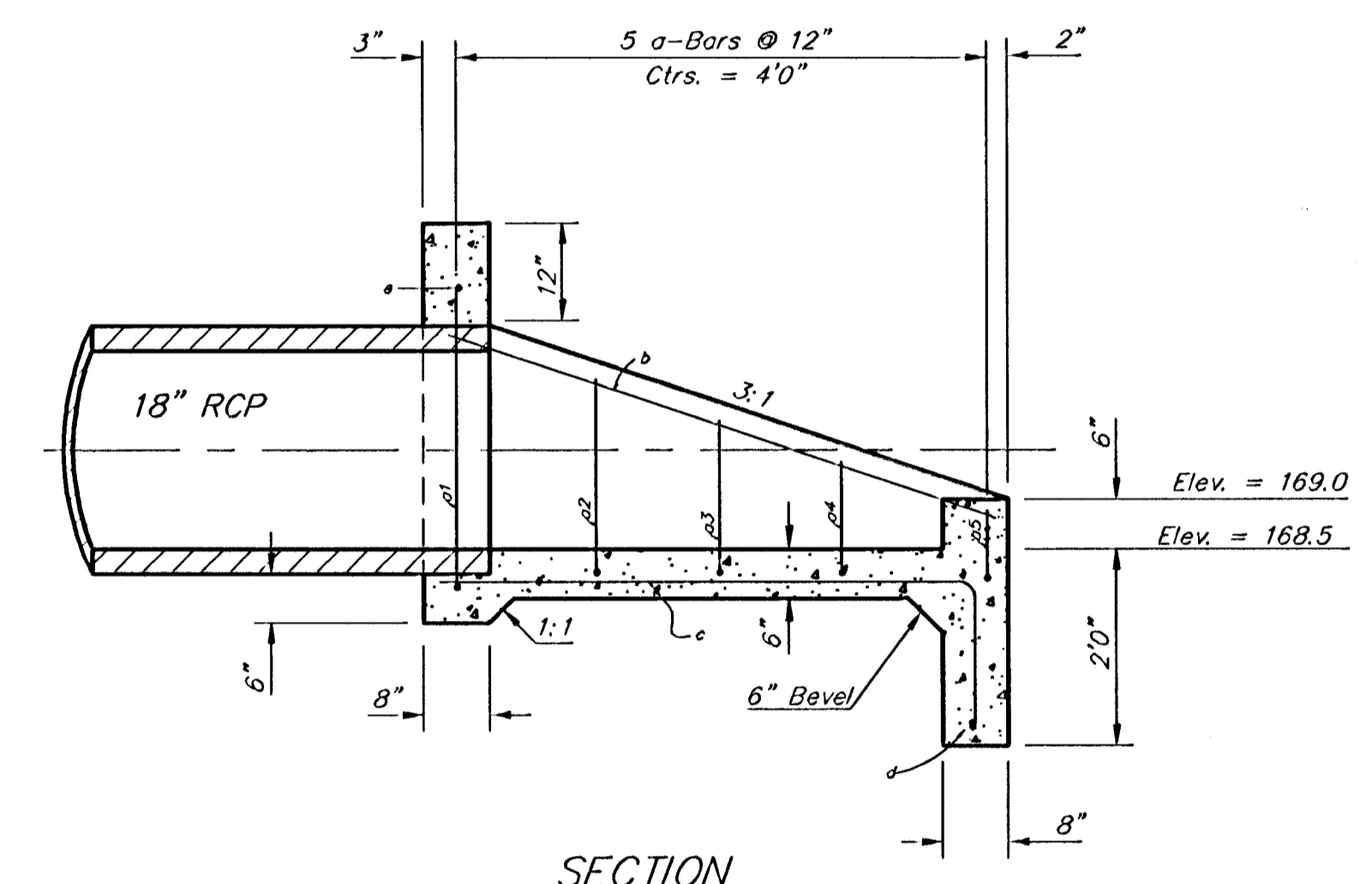
Bar	Shape	No.	Length	Weight
a1		1	9'5"	6.29
a2		1	7'7"	5.07
a3		1	7'2"	4.79
a4		1	6'9"	4.51
a5		1	6'4"	4.23
a6		1	6'1"	4.06
b1		2	2'9"	3.67
b2		2	5'10"	7.79
c		6	6'11"	27.72
d		1	5'0"	3.37
e		1	3'10"	2.56
Total Rebar			74.03 Lbs.	
Concrete			1.40 C.Y.	

\* Field Bend or Cut Reinforcing as Required for Clearance.

HEADWALL FOR 24" RCP



PLAN



SECTION

REBAR SCHEDULE

Bar	Shape	No.	Length	Weight
a1		1	7'2"	4.79
a2		1	6'1"	4.06
a3		1	5'8"	3.79
a4		1	5'3"	3.51
a5		1	5'0"	3.34
b		2	4'0"	5.34
c		5	5'6"	18.37
d		1	4'0"	2.67
e		1	3'2"	2.12
Total Rebar			47.99 Lbs.	
Concrete			0.91 C.Y.	

\* Field Bend or Cut Reinforcing as Required for Clearance.

SPECIAL HEADWALL FOR 18" 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 0615 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.
  - A deduction in concrete quantities has been made for pipe openings through the headwall.
  - All concrete reinforcement to be #4 Rebar.
  - All rebar to have min. of 1 1/2" conc. cover.

**Baughman** Engineering & Surveying

Copper Gate North Addition - Phase I  
**HEADWALL DETAIL**  
 STORM WATER DRAIN #241

PROJECT NUMBER: 468-83908  
 DESIGN: Staff  
 DRAWN: Staff  
 APPROVED: Staff  
 DATE: 9/14/05  
 SCALE: Noted  
 SHEET: 11 OF 17

Copper Gate North\Phase I\HdwDetail