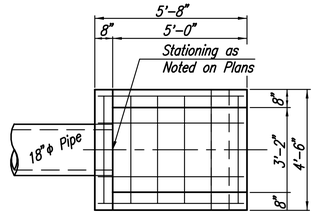
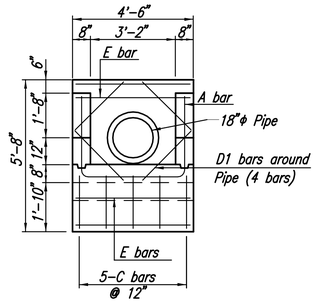
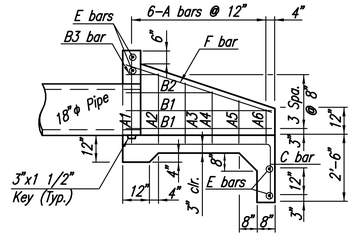


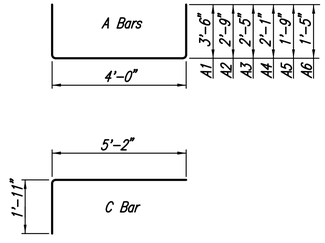
PLAN



FRONT



SECTION



BENDING DIAGRAMS

RE-BAR SCHEDULE				
Mark	Shape	No.	Length	Weight
A1	⊔	1	11'-0"	7.35
A2	⊔	1	9'-6"	6.35
A3	⊔	1	8'-10"	5.90
A4	⊔	1	8'-2"	5.46
A5	⊔	1	7'-6"	5.01
A6	⊔	1	6'-10"	4.56
B1	—	4	5'-5"	14.47
B2	—	2	3'-6"	4.68
B3	—	2	1'-5"	1.89
C	⊓	5	7'-1"	23.66
D1	—	4	2'-6"	6.68
E	—	4	4'-4"	11.58
F	—	2	5'-9"	7.68
18" Total Rebars			106	Lbs.
Concrete			1.66	C.Y.

All Concrete Reinforcement to be #4 bars.

18" HEADWALL

CONCRETE HEADWALL NOTES

Concrete: Bevel all exposed edges with a 3/4" triangular molding or finish with an approved edging tool. Concrete shall be as per City of Wichita Standard Specifications for concrete paving mix except that it shall have a minimum 28 day compressive strength of 4,000 p.s.i. All pipes shall be flush cut prior to being cast into the headwall.

Reinforcing Steel: All dimensions relative to reinforcing steel are to centerline of bar unless otherwise noted. All clearances shall be 2" unless otherwise noted. All reinforcing steel shall conform to A.S.T.M. designation A615 Grade 60 and shall be epoxy coated.

Payment: A deduction in concrete quantities has been made for the pipe opening. Headwalls shall be paid for at the unit price bid per each by size in place including concrete, reinforcing steel, excavation and all other miscellaneous materials, labor, tools, equipment, and incidentals necessary to complete the work. Quantities shown are for information only.

No.	Revision	By	Date

FONTANA 4TH ADDITION-PHASE 2
STORM WATER DRAIN NO. 283

18" HEADWALL DETAILS

JAMES L. ARMOUR, P.E.- CITY ENGINEER
CITY OF WICHITA PROJ. NO. 468-84122

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by BMM	Job No. 35-08389-004	Sheet 14 of 28
Drawn by BJS	Date September 2009	

Saved 09-30-2010 2:42:05 PM by BJS
Plot Scale 1:1 11-09-2010 2:45:58 PM by BILL J. SEXSON
Q:\2008\08389\004\08389-004-C-18 IN. HEADWALL DETAILS