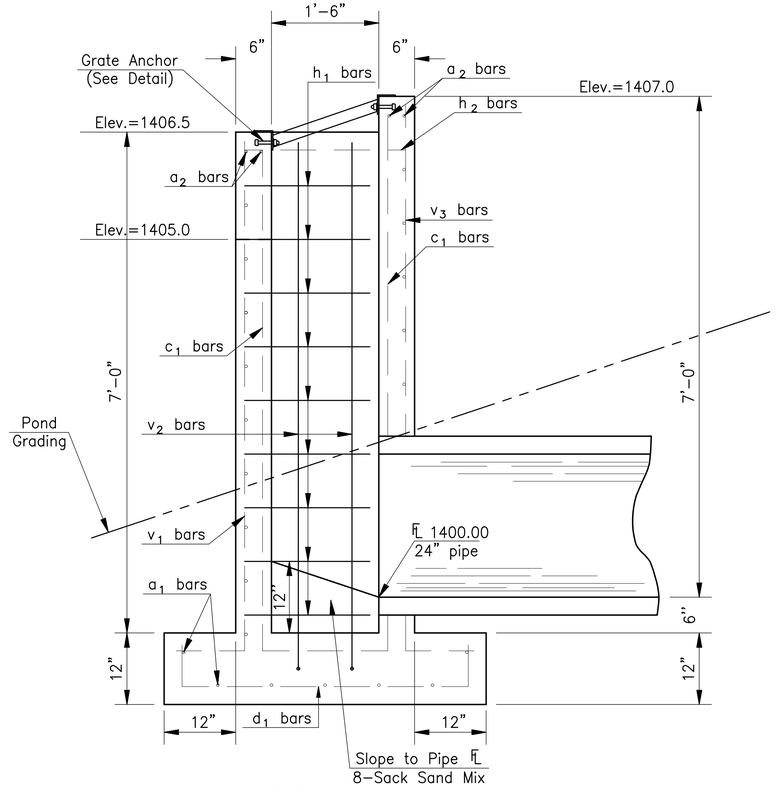
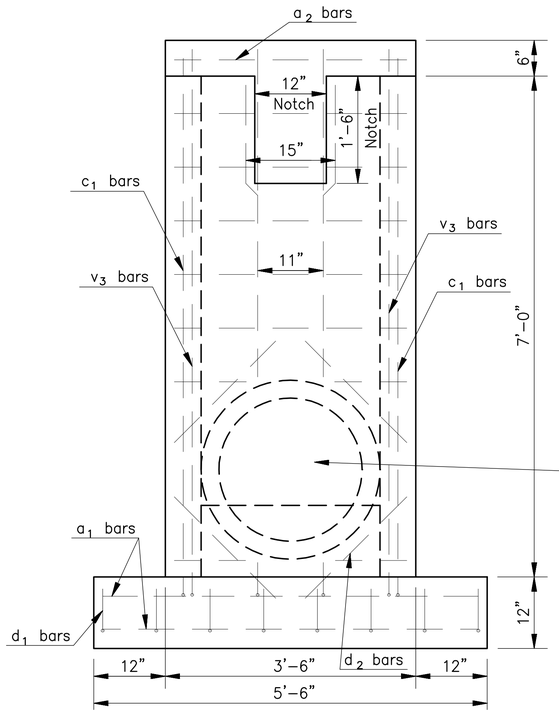


SECTION A–A



FRONT

GENERAL NOTES

Concrete used for shaping shall be structural concrete mix. Concrete shall have a 28–day strength of 4,000 p.s.i.

Bevel all exposed edges with a 3/4" triangular moulding.

The pipe shown on this sheet may or may not indicate that the pipe installed will be reinforced concrete, steel, or aluminum.

Payment shall be per each for "Pond Riser". This price shall be full compensation for all labor and materials necessary to complete the work.

Floor of inlet shall be shaped as shown.

All reinforcing steel shall be size #4 bars.

All reinforcing steel shall have 1 1/2" minimum cover.

All slipes of reinforcing steel shall have a minimum overlap of 16 inches.

Steel for grates shall be fabricated from standard or commercial grade structural steel and black steel pipe. The unit shall be hot dipped, galvanized after fabrication, in accordance with ASTM A123 except the weight of coating shall average not less than 2.0 ounces per square foot of actual surface and no individual test shall show less than 1.8 ounces of coating per square foot of actual surface area.

All welds required in the construction of grate shall be 1/4" continuous butt–welds.

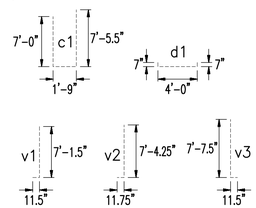
Field Bend and/or Cut Reinforcing Steel as Req'd for Clearance Around Pipes and Notches. No Deduction in Steel Quantities has been Made for Pipe Openings

FOR INFORMATION ONLY

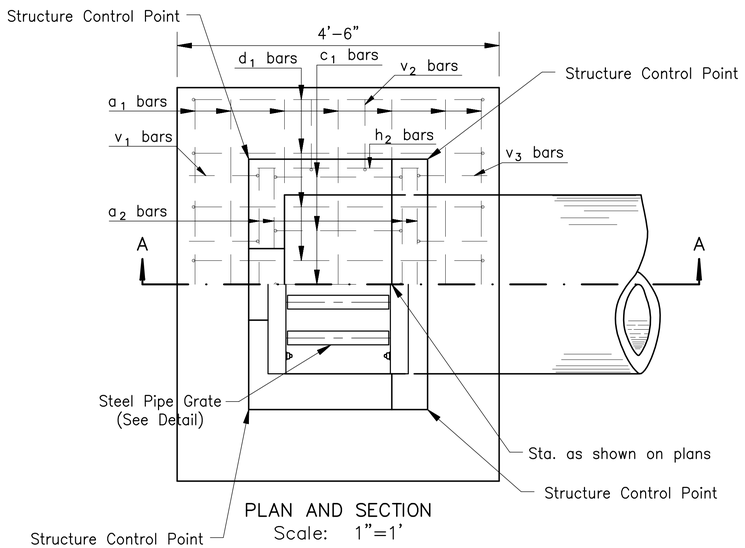
BILL OF MATERIALS

Bar	Number	Length
a1	7	5'–3"
a2	22	3'–3"
c1	6	16'–2.5"
d1	8	5'–2"
d2	4	2'–0"
h1	18	1'–9"
h2	2	2'–3"
v1	4	8'–1"
v2	4	8'–4"
v3	4	8'–7"
Concrete		2.2 C.Y.
Reinf. Steel		261 Lbs.
Struct. Steel		46 Lbs.

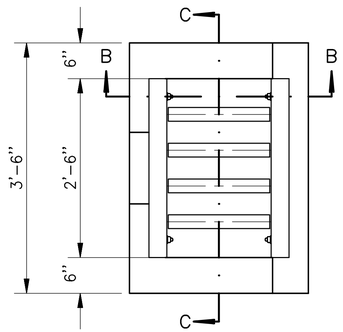
Space all bars 9" C–C except v1 and v3 bars which shall be spaced 11" C–C.



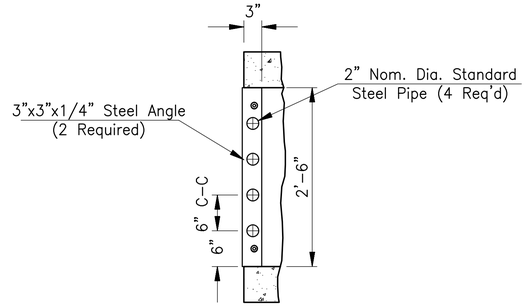
BENDING DIAGRAMS
no scale



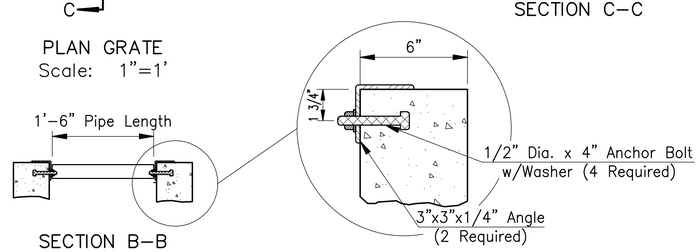
PLAN AND SECTION
Scale: 1"=1'



PLAN GRATE
Scale: 1"=1'



SECTION C–C



SECTION B–B

HIGH POINT WEST ADDITION
STREET AND STORM SEWER IMPROVEMENTS
POND CONTROL RISER DETAILS
CITY OF WICHITA, KANSAS
JAMES L. ARMOUR, P.E. – CITY ENGINEER
C.O.W. Proj No. 472–84705 OCA No. 766219

No. | Date | By | Approved | Revision

POE & ASSOCIATES, INC.
CONSULTING ENGINEERS
3940 E Central, Suite 200 ■ Wichita, KS 67208-4242
Phone 316/685-4114 ■ FAX 316/685-4444

FINAL

Designed By: J. Dickman
Drawn By: M. Tucker
Poe Job No.: 1916A
Date: January 2009

Sheet
27 of 41

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