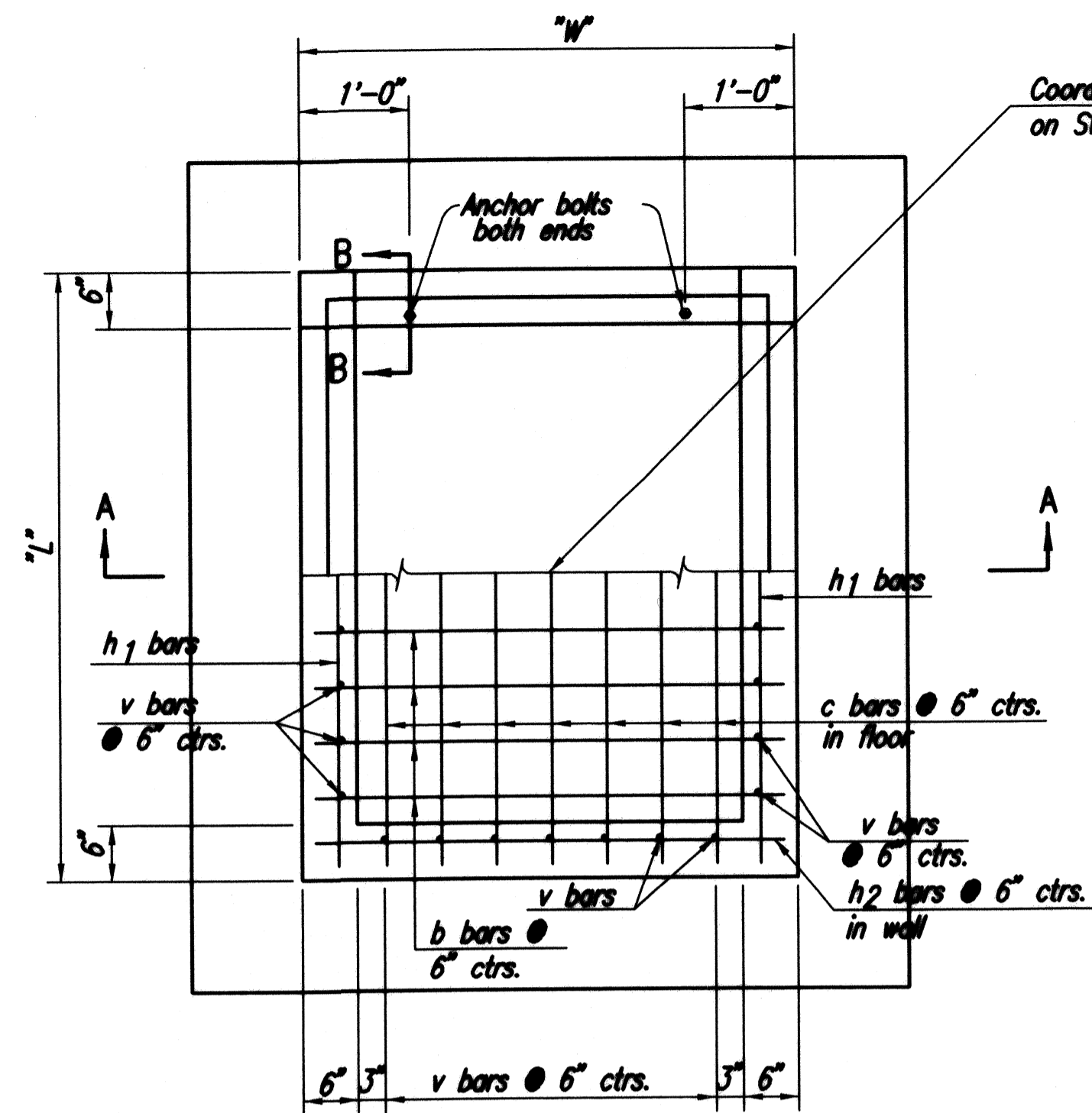


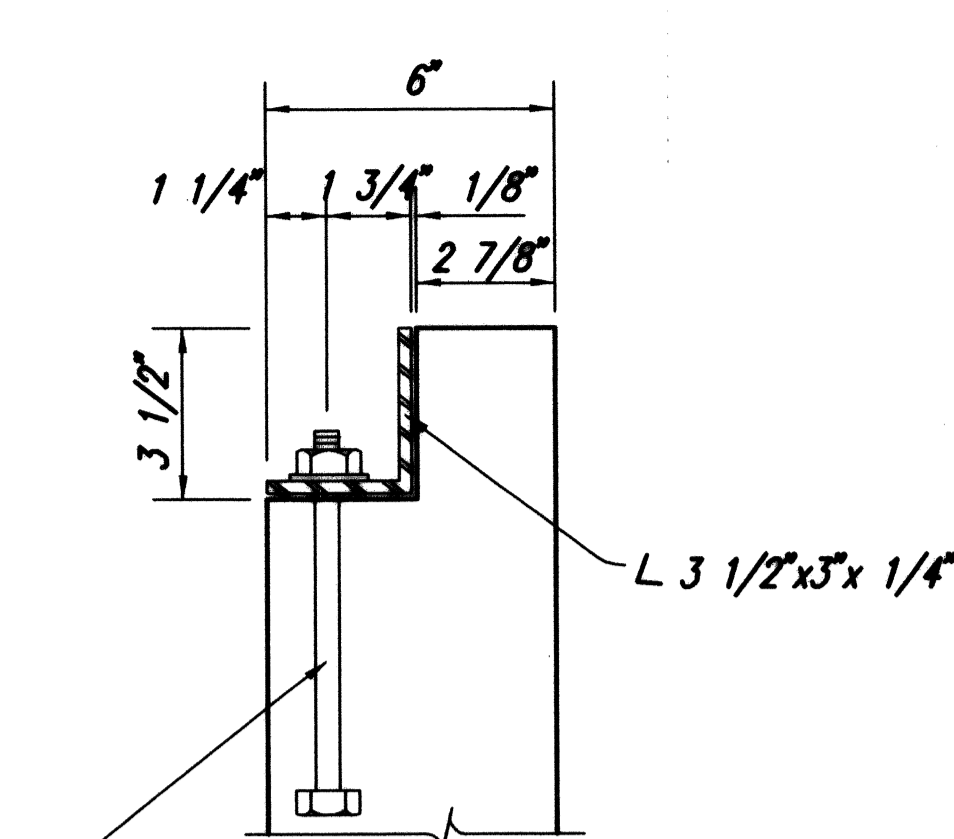
SECTION A-A



PLAN/SECTION

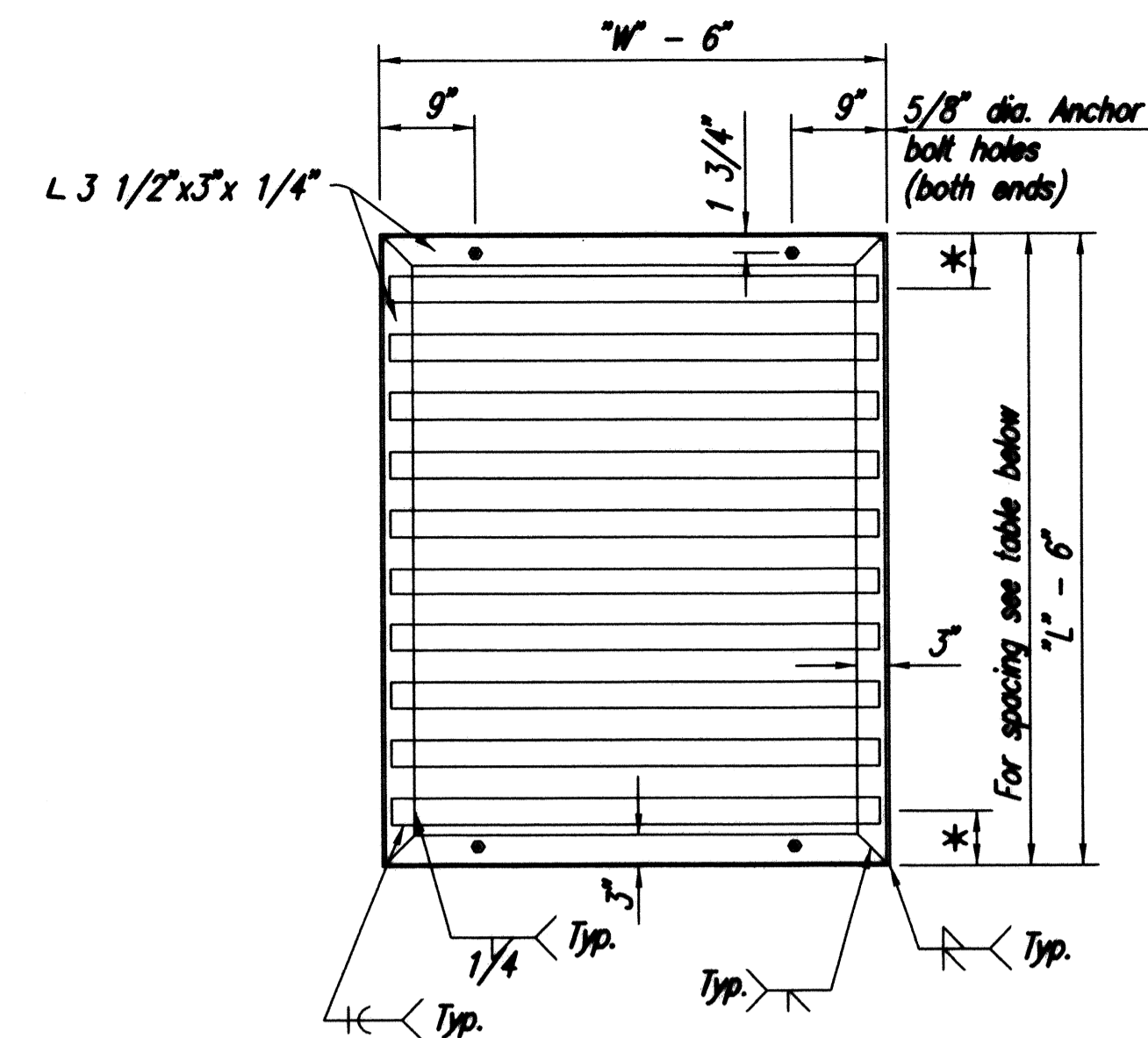
AREA INLET

See SWS Line Outfall Sheet for Inlet orientation.



1/2" dia. x 8" anchor bolt with washer and nut (4 required)(Galvanized as per A.S.T.M. A153)

SECTION B-B
Note: Anchor bolts are subsidiary to the bid item "Inlet Type C".



GRATE UNIT DETAILS

BILL OF MATERIALS			
"L"	"W"	"H"	(101)
4'-0"	4'-0"	8'-9"	
Bar	No.	Size	Length
v	24	#4	8'-2"
c	24	#4	5'-9"
b	24	#4	5'-9"
h1	32	#4	3'-9"
h2	32	#4	3'-9"
Class "A" Conc. 3.04 Cu.Yd.			
Reinf. steel 476 Lbs.			
Struct. steel 129 Lbs.			

Quantities are for information only.

PIPE DIMENSIONS AND SPACING (SCHEDULE 40)				
Location	L x W	No. of Pipes	Dia. x Length x Spacing	*
(101)	4'-0" x 4'-0"	3	2 1/2" x 3'-4 1/4" pipes @ 12" ctrs.	9"

GENERAL NOTES

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 inlet.

All dimensions relative to Reinforcing Steel are to centerline of bar unless otherwise noted. All Reinforcing Steel shall conform to A.S.T.M. Designation A615 Grade 60 and shall be Epoxy Coated.

All exposed edges shall be finished with an edging tool.

All external pipe to inlet joints shall be coated with an asphaltic tar to waterproof the joint interface.

Where possible bend bars around pipes.

Floor of inlet shall be shaped as shown. Concrete used for shaping shall be unreinforced concrete pavement mix. No addition in concrete quantities shall be made for shaping floor of inlet.

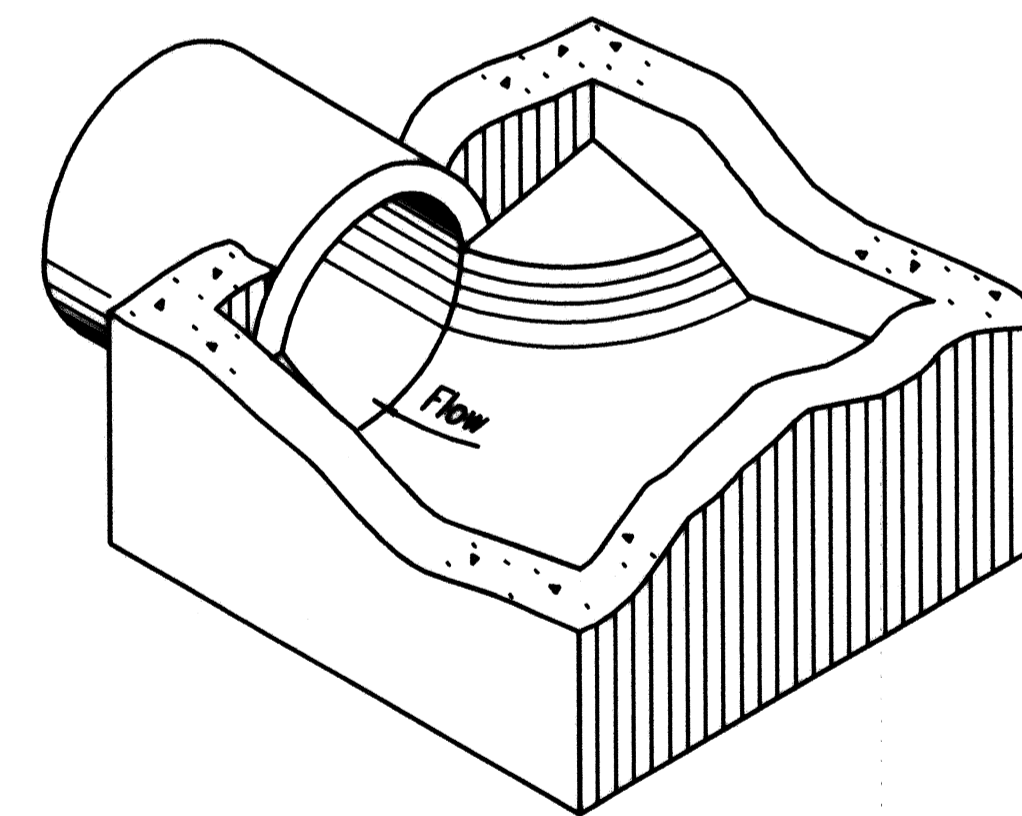
No deductions in concrete quantities shall be made for pipe openings.

All bars are #4 @ 6" spacing and shall have a minimum clearance of 1 1/2" unless otherwise noted on the plans.

The top of the inlet shall be set level.

The grate 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.

Note: Inlet modified from KDOT Std. No. 648



Floor of inlet or manhole shall be shaped as shown to increase hydraulic efficiency.

ISOMETRIC VIEW

Architectural Development Services, L.L.C.
P.O. Box 49406
Wichita, Kansas 67201
Phone: 316 968-4343
Fax: 316 968-8064

WICHITA, KANSAS PROFESSIONAL ENGINEERS
1999

Ethanol Products Corporate Headquarters
38th and Webb Road
Wichita, Kansas

prints issued
3-9-07
For Construction

project no.
06122

drawn by: AW check: SWS

TYPE C
INLET
DETAILS

C2.7

of