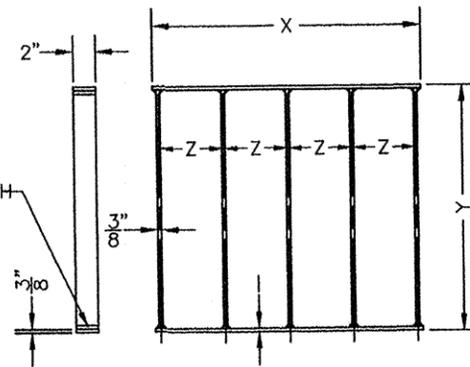
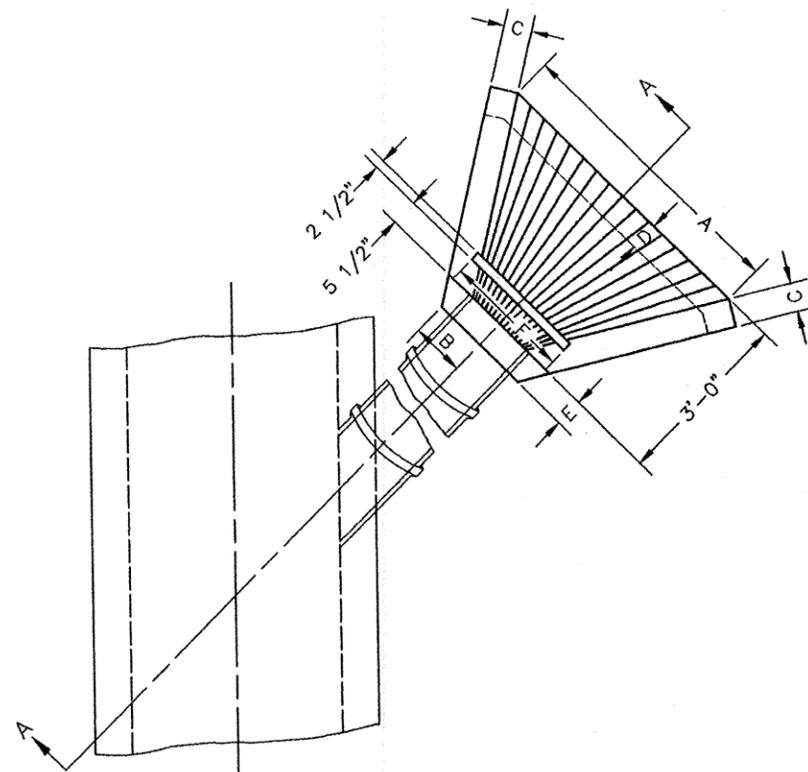


SECTION A-A

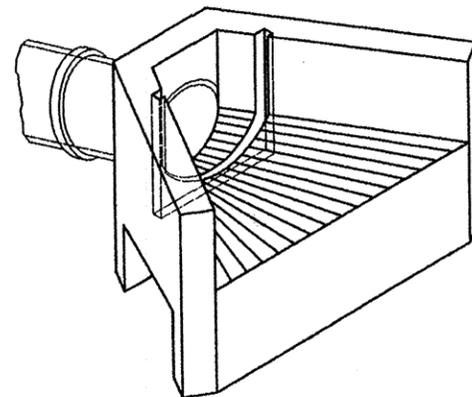


DETAIL OF GRATING

3/16" FILLET WELD EACH SIDE OF BAR AT EACH JOINT TOP AND BOTTOM



PLAN SECTION



DIMENSIONS OF INLETS

PIPE SIZE	A	B	C	D	E	F	G	H	J
12"	4'-0"	0'-11"	0'-9"	0'-9"	0'-9"	1'-11"	1'-3"	1'-6"	1'-6"
15"	4'-6"	1'-0 1/2"	0'-9"	0'-9"	0'-9"	2'-2 1/2"	1'-6"	1'-9"	1'-9"
18"	5'-0"	1'-2"	0'-9"	0'-9"	0'-9"	2'-6"	1'-9"	2'-0"	2'-0"
21"	5'-6"	1'-5"	0'-9"	0'-9"	0'-9"	2'-10 1/2"	2'-0"	2'-3"	2'-0"
24"	6'-0"	1'-6 1/2"	1'-1"	1'-1"	1'-1"	3'-1 1/2"	2'-3"	2'-3"	2'-0"
27"	6'-6"	1'-7 1/2"	1'-1"	1'-1"	1'-1"	3'-5 1/2"	2'-6"	2'-6"	2'-3"
30"	7'-0"	1'-9"	1'-1"	1'-1"	1'-1"	3'-9 1/2"	2'-9"	2'-6"	2'-3"
33"	7'-6"	1'-10 1/2"	1'-1"	1'-1"	1'-1"	4'-0 1/2"	3'-0"	2'-9"	2'-3"
36"	8'-0"	1'-11 1/2"	1'-1"	1'-1"	1'-1"	4'-4"	3'-3"	2'-9"	2'-3"

DIMENSIONS OF GRATINGS

PIPE SIZE	X	Y	Z	# BARS	WEIGHT
12"	1'-10 1/4"	1'-9"	5 3/8"	5	35#
15"	2'-1 3/4"	2'-0"	5"	6	35#
18"	2'-5 1/2"	2'-3"	5 3/4"	6	40#
21"	2'-9 3/8"	2'-6"	5 1/2"	7	50#
24"	3'-0 5/8"	2'-9"	5 1/8"	8	65#
27"	3'-5"	3'-0"	5 3/4"	8	80#
30"	3'-8 3/4"	3'-3"	5 1/2"	9	85#
33"	4'-0"	3'-6"	5 1/4"	10	100#
36"	4'-3 3/8"	3'-9"	5 5/8"	10	120#

NOTES:

1. INLET MAY BE BUILT OF BRICK MASONRY AT OPTION OF CONTRACTOR. EXPOSED JOINTS TO BE STRUCK AND BRICK TO MEET REQUIREMENTS OF GENERAL CONSTRUCTION AND MATERIAL SPECIFICATIONS, AS SET FORTH UNDER ITEM OF BRICK MASONRY.
2. WHEN INLET IS CONSTRUCTED OF BRICK MASONRY, A CLASS "F" CONCRETE PAD SHALL BE PROVIDED 6" THICK AND EXTENDING 6" BEYOND OUTSIDE EDGES OF INLET AS A FOUNDATION FOR THE MASONRY. EXCAVATION FOR THE CONCRETE PAD SHALL BE TO UNDISTURBED EARTH.
3. CONNECTION OF INLET TO SEWER TO BE MADE AT AN ANGLE OF 45° IF POSSIBLE.
4. ALL SLOTS FOR GRATINGS TO BE 2 1/2" WIDE AND 1 1/2" DEEP IN CENTER OF INVERT.
5. GRATING TO BE MADE OF 3/8"x2" WELDABLE MILD CARBON STEEL.
6. IRON GRATING TO BE HOT DIPPED GALVANIZED, AFTER FABRICATION.
7. UNLESS THE PROPOSALS PROVIDE A SEPARATE ITEM FOR THE PAYMENT OF THE GRATING CALLED FOR BY THIS DRAWING, PAYMENT SHALL BE INCLUDED IN THE COST OF THE CONCRETE USED IN THE WINGS.

DO NOT SCALE - USE DIMENSIONS ONLY

CITY OF AKRON BUREAU OF ENGINEERING	CONSTRUCTION STANDARD DWG. No. 1-4
<i>Michael L. Madonia</i> 3/14/02 MANAGER, DESIGN DIVISION	WING WALL INLETS
<i>Dana P. Weber</i> 3-15-02 MANAGER, CONSTRUCTION DIVISION	
<i>Daniel J. Felik</i> 3/15/02 CITY ENGINEER	
AUTOCAD DRAWING - STD_I-4.DWG February 28, 2002	
REVISIONS:	