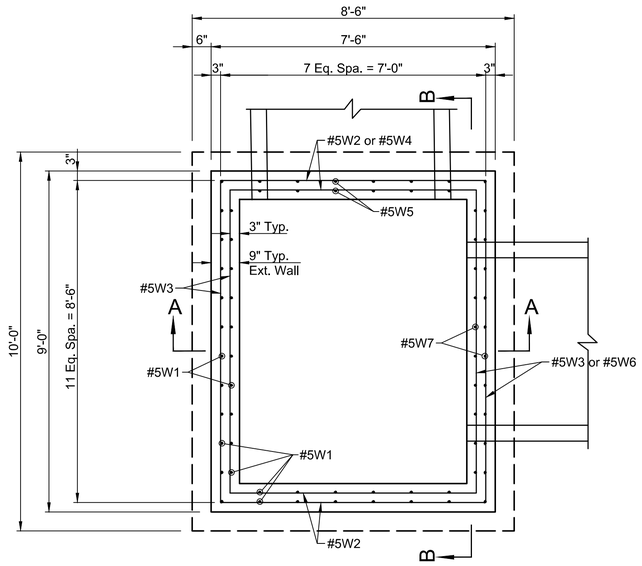
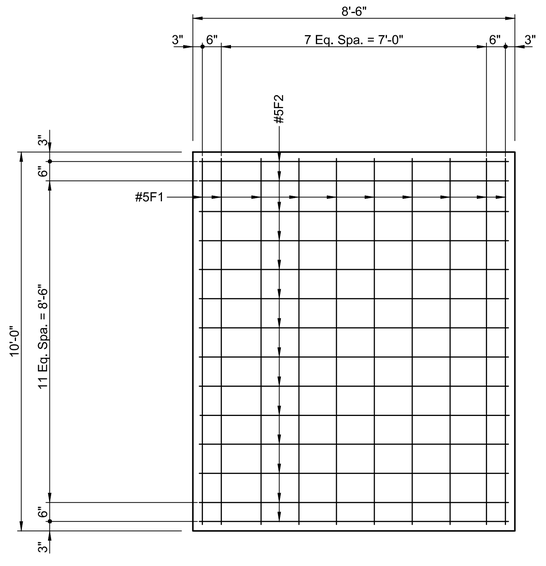
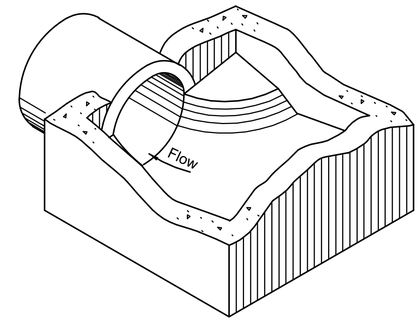


PLAN

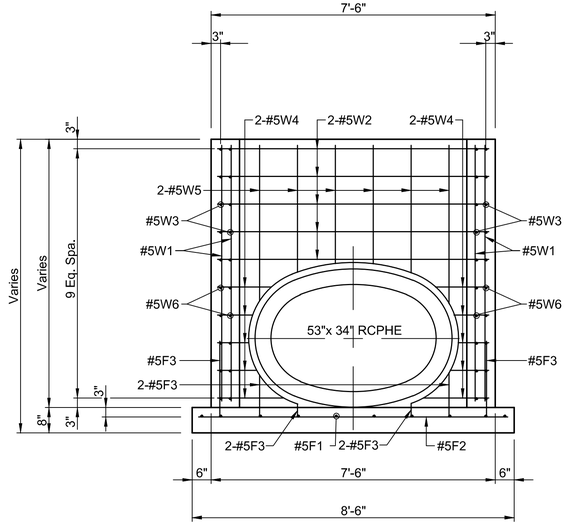


FLOOR

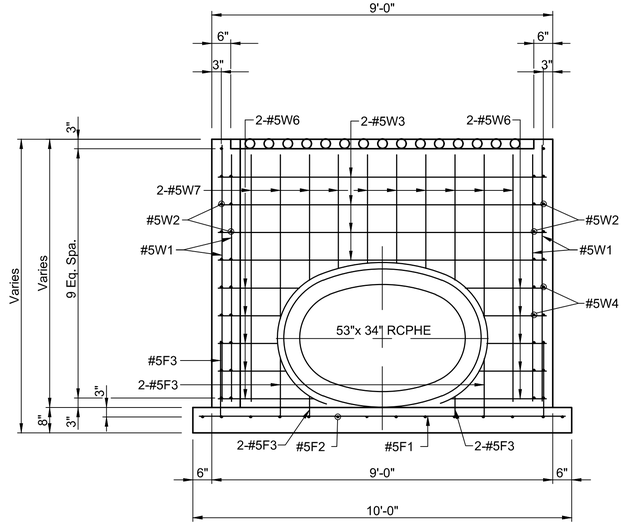


Floor of inlet or manhole shall be shaped as shown to increase hydraulic efficiency.

ISOMETRIC VIEW



SECTION A-A



SECTION B-B

GENERAL NOTES

1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 P.S.I.
2. 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. CLEARANCE SHALL BE 2" UNLESS OTHERWISE NOTED.
3. GRATE FRAME TO BE INSTALLED ON THIN MORTAR CUSHION AROUND TOP CONCRETE BLOCKOUT. CONCRETE USED FOR INLET CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
4. INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.
6. INLET FRAME AND GRATE TO BE DEETER #2434, EJIW #5391 Z3 OR APPROVED EQUAL FOR SPECIAL AREA INLET.
5. CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.
6. CUT REINFORCING BARS TO PROVIDE 2" CLEAR AROUND CONCRETE PIPES IN THE WALLS, AS REQUIRED.

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

KRISTY SKAGGS LICENSED 29955 01/09/2024 KANSAS PROFESSIONAL ENGINEER

PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

CYPRESS GLEN ADDITION-PHASE 1

PAUL GUNZELMAN CITY ENGINEER
CITY OF WICHITA PROJECT NO.
472-2023-085915

Issue:		

JOB NO.	210975-004
DATE	OCTOBER 2023
PM	RJS
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	TPA

SPECIAL AREA INLET DETAILS

CP507
36 OF 66

SAVED 1/9/2024 4:00:05 PM BY BILL.SEXSON
PLOTTED 1/9/2024 4:27:43 PM BY BILL SEXSON
U:\WICHITA-CIVIL\2021\210975001\PEC\DRAWINGS\36-210975-004-CP507 SPECIAL AREA INLET DETAILS.DWG