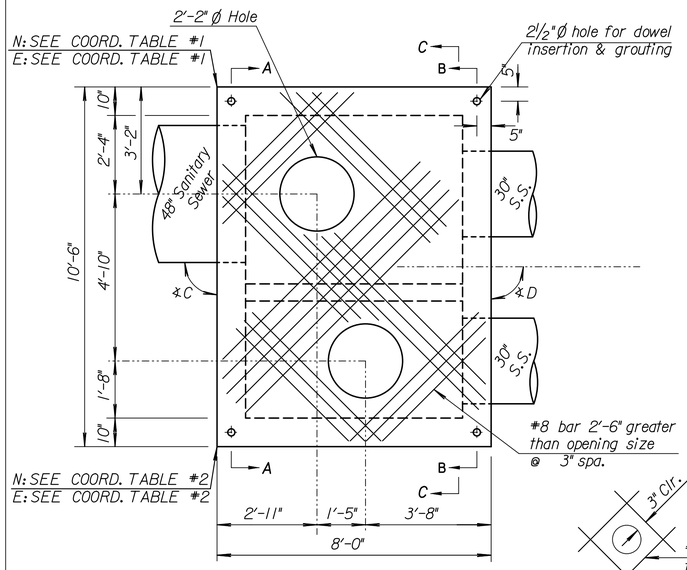
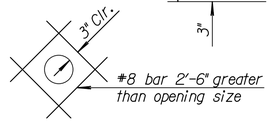
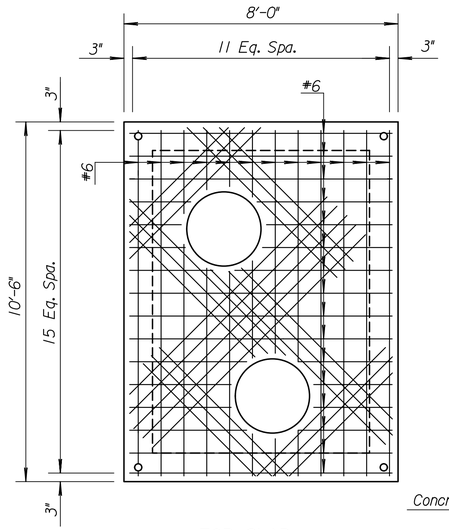


PLAN

Drill and grout 1'-0" #6 bar 6" into walls at referenced locations. Final grout 2½"Ø holes with an approved mixture.



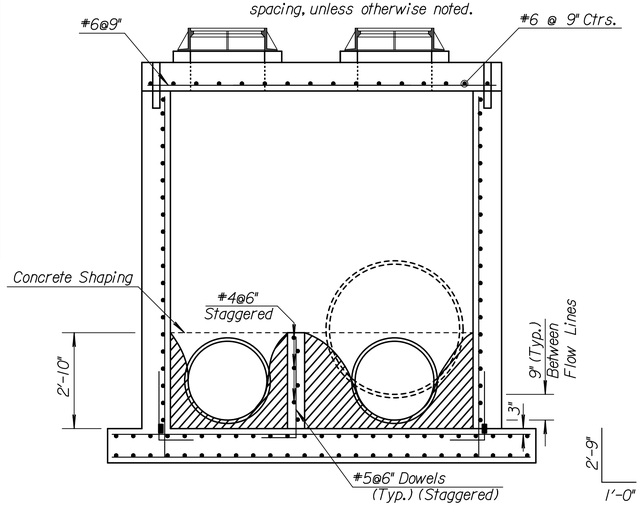
ADDITIONAL REINFORCING AT WALL CIRCULAR OPENINGS

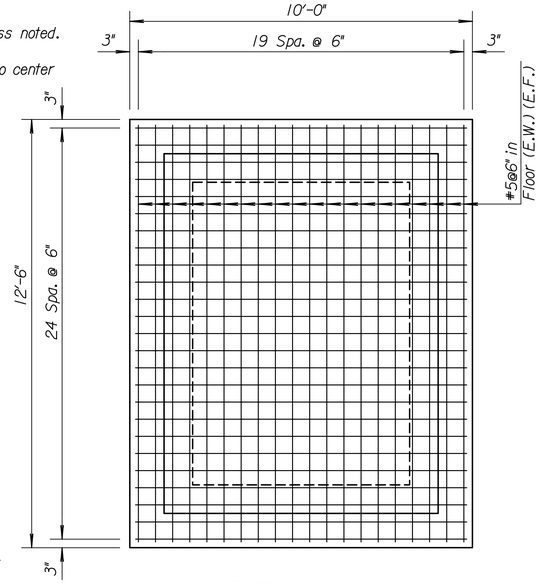


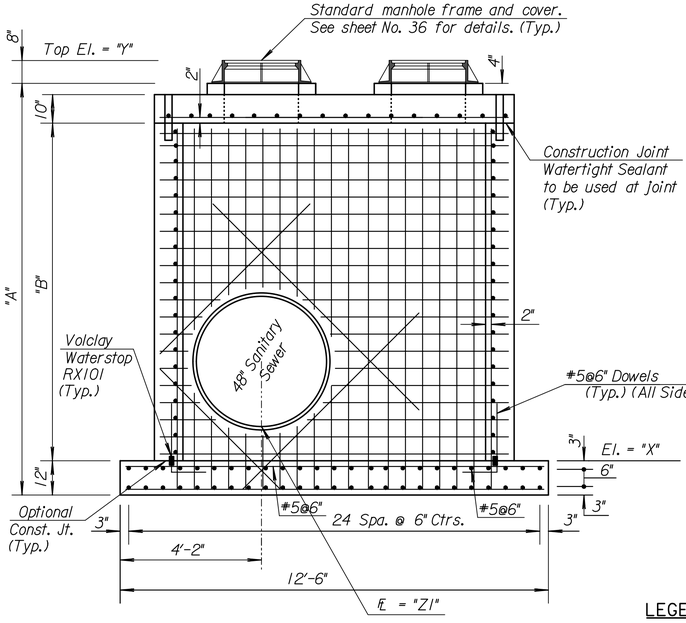
TOP SLAB

GENERAL NOTES

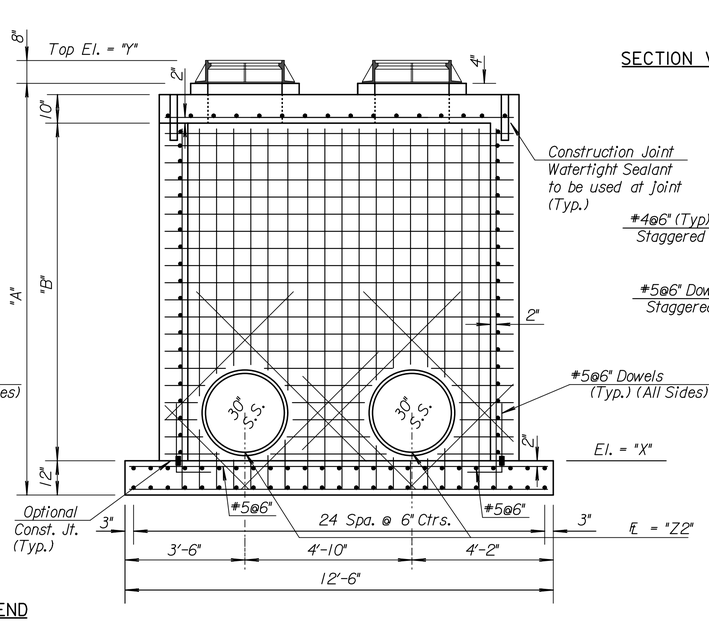
1. Use 4000 p.s.i. compressive strength concrete throughout. All exposed edges shall be finished with an edging tool. All Reinforcing shall conform to ASTM A615, Grade 60.
2. In general, pipes will enter and leave manhole at various positions. Where possible bend bars around pipes.
3. Manhole opening shall be placed to afford easy access to equipment. Top reinforcing bars shall be adjusted accordingly.
4. All castings shall be cast iron.
5. Design Loading is AASHTO H 20-44.
6. All reinforcing to have 2" edge and end clearance unless noted.
7. A-LOK seals to be placed around all pipes.
8. All reinforced steel shall be #5 bars with a 6" center to center spacing, unless otherwise noted.







SECTION VIEW A-A

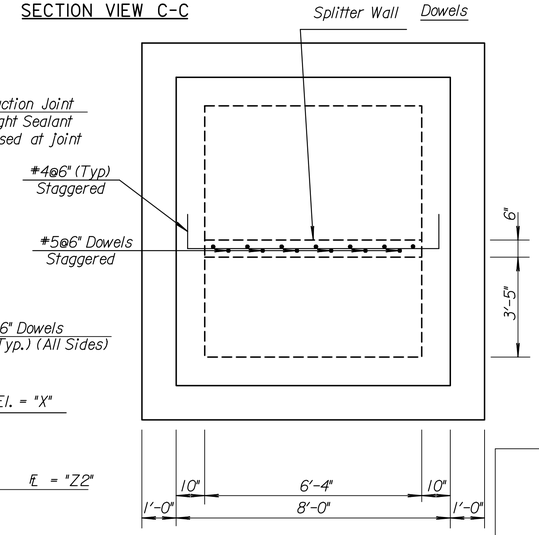


SECTION VIEW B-B

LEGEND

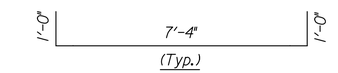
S.S.- Sanitary Sewer
E.F.- Each Face
E.W.- Each Way
I.F.- Inside Face

SECTION VIEW C-C



SPLITTER WALL DETAILS

(Note: This detail is for clarity of the splitter wall only)



(Typ.)

BOTTOM SLAB

DIMENSION TABLE		A	B	∡C	∡D
STRUCTURE NO.	2	14'-9½"	12'-7½"	83°27'58"	90°0'0"
STRUCTURE NO.	4	14'-10⅝"	12'-8⅝"	90°0'0"	93°0'22"
STRUCTURE NO.	6	15'-4¾"	13'-2¾"	90°0'0"	91°45'16"

ELEVATION TABLE		X	Y	Z1	Z2
STRUCTURE NO.	2	1269.34	1283.80	1269.59	1269.04
STRUCTURE NO.	4	1271.15	1285.70	1271.40	1270.85
STRUCTURE NO.	6	1271.94	1287.00	1272.19	1271.64

COORDINATE TABLE #1		NORTHING	EASTING
STRUCTURE NO.	2	1673420.6582	1656690.9983
STRUCTURE NO.	4	1675899.1790	1656674.4239
STRUCTURE NO.	6	1676582.7988	1656663.8227

COORDINATE TABLE #2		NORTHING	EASTING
STRUCTURE NO.	2	1673419.3634	1656680.5784
STRUCTURE NO.	4	1675899.0162	1656663.9252
STRUCTURE NO.	6	1676582.6360	1656653.3240

No.	Revision	By	Date

RELOCATION OF SANITARY SEWER NO. 23
PHASE 2: KELLOGG/GROVE TO PAWNEE/I-135

2- PIPE SIPHON STRUCTURE DETAILS NO'S 2, 4, 6

JAMES L. ARMOUR, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-84375

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

Designed by	RJM	Job No.	35-07600-001	Sht. 42 of 75
Drawn by	RJM	Date	AUGUST 2008	

Plotted By: wll Date: 3/2/2010 10:32:01 AM
FILE: i:\2007\07600-001\07600-001-CS-SSD0246.dgn