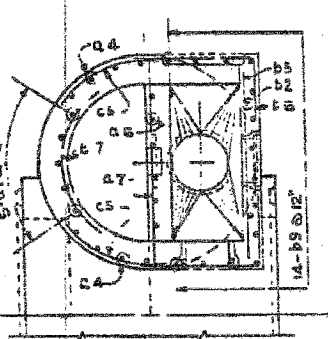
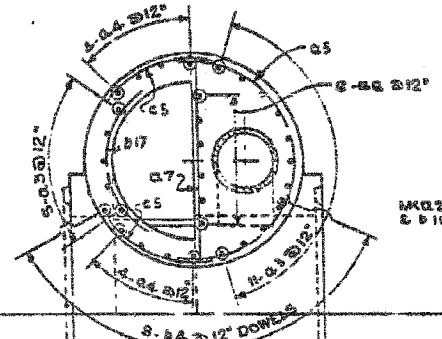


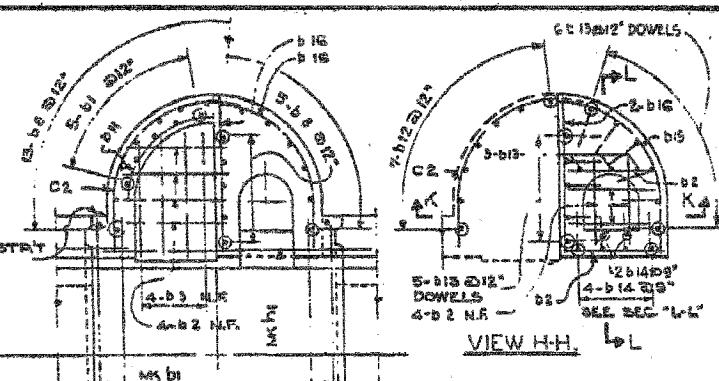
PLAN.



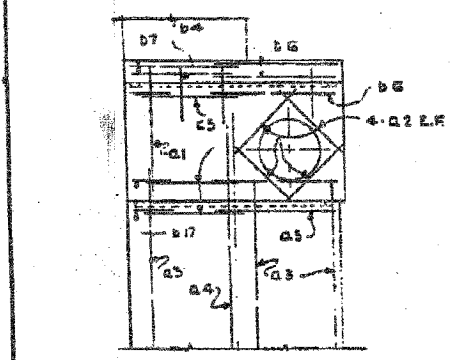
SECTIONAL PLAN A-A.



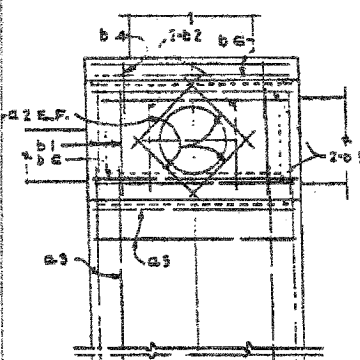
SECTIONAL PLAN B-B.



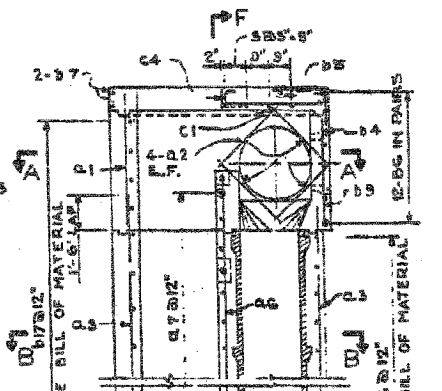
SECTIONAL PLAN C-C.



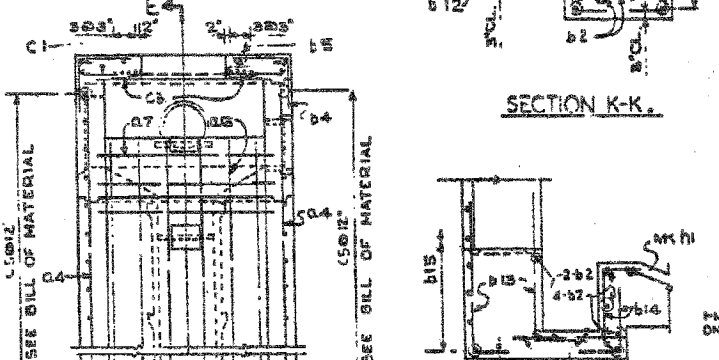
ELEVATION D-D.



SECTION G-G.



SECTION E-E.



SECTION F-F.

BAR	A	B
B4	2'-0"	2'-0"
B6	4'-9"	4'-9"
B10	4'-3"	3'-0"
B18	2'-0"	7'-8"
B14	1'-5"	7'-3"

BAR	A	B	C
B7	2'-0"	1'-7"	3'-0"
C5	4'-3"	8'-0"	3'-0"
D11	4'-3"	10'-4"	3'-0"

BAR	A	B	C
C1	7'-6"	1'-4"	3'-9"
C3	5'-7"	3'-3"	5'-6"
C4	3'-5"		

BENDING DIMENSIONS ARE OUT TO OUT OF BARS

**NOTES:**  
 MINIMUM STEEL CLEARANCE SHALL BE 2" EXCEPT AS NOTED  
 MINIMUM LAP OF REINFORCEMENT SHALL BE 33 DIAMETERS  
 BEND IF POSSIBLE OR BURN OFF REINFORCING BARS  
 IN FIELD TO CLEAR OBSTACLES

**REINFORCING:**  
 TYPE S-24 N SHOWN  
 TYPE S-24 S OPPOSITE SITE

NO.	DESCRIPTION	QUANTITY	TOTAL WEIGHT	PRICE
1	REINFORCING	60	52	
2	COOK	60	52	

BILL OF MATERIAL		BAR NO.		SIZE		LENGTH		SHAPE		WEIGHT	
B4	2'-0"	2'-0"	2	4	18	118					
B6	4'-9"	4'-9"	2	18	178						
B10	4'-3"	3'-0"	2	18	90						
B18	2'-0"	7'-8"	2	18	106						
B14	1'-5"	7'-3"	2	18	115						
B7	2'-0"	1'-7"	3	18	135						
C5	4'-3"	8'-0"	3	18	189						
D11	4'-3"	10'-4"	3	18	220						
C1	7'-6"	1'-4"	3	18	252						
C3	5'-7"	3'-3"	3	18	189						
C4	3'-5"		3	18	135						
TOTAL REINFORCING		185		1750							
TOTAL VOL CLASS 2 CONCRETE		44.9									

ADDITIONAL BARS FOR MANHOLE AT STATION		BAR NO.		SIZE		LENGTH		SHAPE		WEIGHT	
B3	16	4	23'-2"	18	248						
B2	8	4	24'-0"	18	135						
B5	2	4	12'-0"	18	90						
B7	2	4	7'-4"	18	106						
D7	26	6	6'-6"	18	176						
C5	28	6	4'-8"	18	175						
TOTAL WEIGHT REINFORCING		185		1750							
TOTAL VOL CLASS 2 CONCRETE		46.3									

ADDITIONAL BARS FOR MANHOLE AT STA 38+13		BAR NO.		SIZE		LENGTH		SHAPE		WEIGHT	
B3	16	4	23'-2"	18	248						
B2	8	4	24'-0"	18	135						
B5	2	4	12'-0"	18	90						
B7	2	4	7'-4"	18	106						
D7	26	6	6'-6"	18	176						
C5	28	6	4'-8"	18	175						
TOTAL WEIGHT REINFORCING		185		1750							
TOTAL VOL CLASS 2 CONCRETE		46.3									

ADDITIONAL BARS FOR MANHOLE AT STA 38+13		BAR NO.		SIZE		LENGTH		SHAPE		WEIGHT	
B3	16	4	23'-2"	18	248						
B2	8	4	24'-0"	18	135						
B5	2	4	12'-0"	18	90						
B7	2	4	7'-4"	18	106						
D7	26	6	6'-6"	18	176						
C5	28	6	4'-8"	18	175						
TOTAL WEIGHT REINFORCING		185		1750							
TOTAL VOL CLASS 2 CONCRETE		46.3									

ILLINOIS DIVISION OF HIGHWAYS  
 SOUTH EXPRESSWAY  
**REINFORCING SPECIAL MANHOLE TYPE "B" 24 MAIN DRAIN**

BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com

FOR INFORMATION ONLY

REVISIONS	NAME	DATE

SHEET JC-11 OF JC-22  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)  
 31ST STREET TO 71ST STREET  
 SB EXPRESS LANE RECONSTRUCTION  
 JUNCTION CHAMBERS  
 EXISTING DROP MANHOLE PLANS  
 SCALE: NTS  
 DATE: 07/07/05  
 DRAWN BY: BDC  
 CHECKED BY: BLU

1565000040/IN/STRUCT/FILES/9405/JC22/JC22.PLT  
 07/24/2005 12:03:51 PM