F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	860	266C
STA. 2200+00.00	TO STA. 2362+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8				62694

of

Structural Notes:

Placing of Concrete - Concrete shall be placed in accordance with the method outlined in the Specifications.

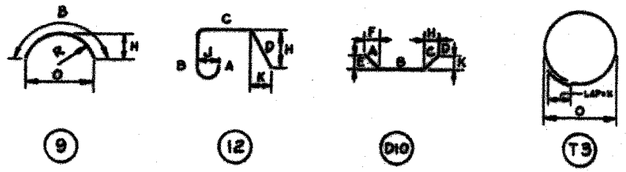
Construction Joints - Joints not indicated on the Drawings shall be so made and located as not to impair the strength of the Structure and shall be approved by the Commissioner. Joints shall be constructed in accordance with the method outlined in the Specifications.

Concrete Protection for Reinforcement - All reinforcing steel shall have clear concrete covering as follows (unless otherwise noted):
3" at exterior surfaces where concrete is deposited against the ground;
2½" at surfaces where concrete is formed but subsequently will be in contact with sewage; 2" at all other surfaces.

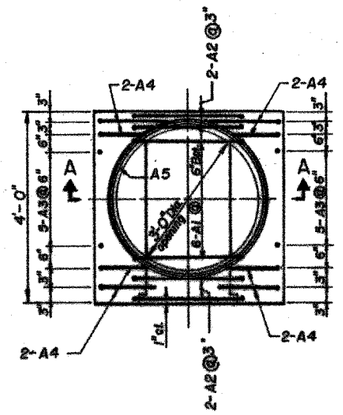
Reinforcing Steel - All reinforcing bars shall be accurately placed and securely supported by bar supports, spacers or high chairs.
All laps in reinforcing steel shall be based upon the 1989ACI Building Code.
Unless otherwise noted, hooks and bends on bars shall conform to recommended details as given in the "Manual of Standard Practice", CRSI - 1990.

The following abbreviations are used to indicate the location of reinforcing bars: T. denotes Top; N.F. denotes Near Face; Bot. " Bottom; F.F. " Far Face; I.F. " Inside Face; E.F. " Each Face; O.F. " Outside Face; E.W. " Each Way.

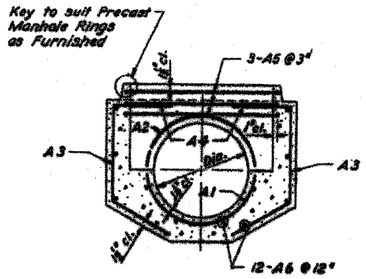
Placing Bar Supports - All reinforcing bars shall be supported, anchored and tied and shall conform to "Recommended Practice for placing Reinforcing Bars" 1986, Prepared by the Concrete Reinforcing Steel Institute.



Note:
All Dimensions Are Out to Out of Bar.
Bending Radii "R" to Outside of Bar.
Numbers in Circles Denote Bar Type.



PLAN

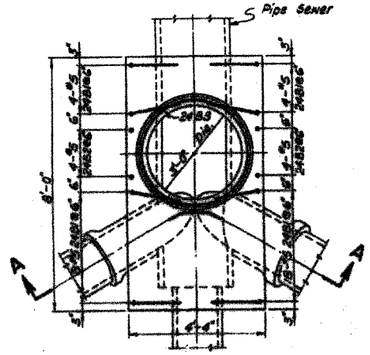


SECTION A-A

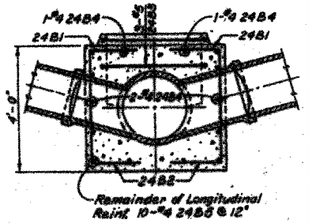
SCHEDULE OF REINFORCEMENT - PART OF ITEMS 5

STRUCTURE	REINFORCEMENT BAR: MARK	SIZE NO.	TYPE	LENGTH	NO. MARK	WEIGHT EACH	WEIGHT TOTAL	BENDING DIMENSIONS: A	B	C	D	E	F	G	H	J	K	O	R
21" DIA. & SMALLER																			

TYPE "A" MANHOLE PRECAST BASE
FOR SEWERS 21" DIA. & SMALLER



PLAN



SECTION A-A

SCHEDULE OF REINFORCEMENT - ~~ITEM 10~~

STRUCTURE	REINFORCEMENT BAR: MARK	SIZE NO.	TYPE	LENGTH	NO. MARK	WEIGHT EACH	WEIGHT TOTAL	BENDING DIMENSIONS: A	B	C	D	E	F	H	K	O	R
24" DIA. & SMALLER	24B1	5	17	6'-7"	20	6.87	138		18"	3'-7"	18"						
	24B2	6	17	5'-0"	8	6.22	49		18"	2'-6"							
	24B3	5	T3	12'-7"	3	13.12	39								20"	3'-6"	
	24B4	5	Str.	3'-9"	4	3.91	16										
	24B5	4	Str.	7'-9"	10	5.18	52										
						TOTAL	314										

TYPE "B" MANHOLE BASE
FOR SEWERS 24" DIA. & SMALLER

DATE	DESCRIPTION

CITY OF CHICAGO
DEPARTMENT OF WATER MANAGEMENT
BUREAU OF ENGINEERING SERVICES

REINFORCEMENT FOR TYPE "A" AND TYPE "B" MANHOLE BASES

CONTRACT SHEET NO.

SCALE: AS SHOWN

DRAWN BY Reproduction
DESIGNED BY
CHECKED BY

Forms Sheet 1 2-88 0557

NOTE: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL REFERENCES TO PAY ITEMS OR PAY LIMITS SHOULD BE IGNORED. SEE SPECIAL PROVISIONS FOR PAY ITEMS.

TY·LIN INTERNATIONAL

REVISIONS NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)

CITY OF CHICAGO
DEPARTMENT OF WATER MANAGEMENT
SEWER RELOCATION DETAIL
(SHEET 3 OF 9)

SCALE: NONE DRAWN BY: MB
DATE: MARCH 18, 2005 CHECKED BY: MPG

4/13/2005 10:20:40 AM