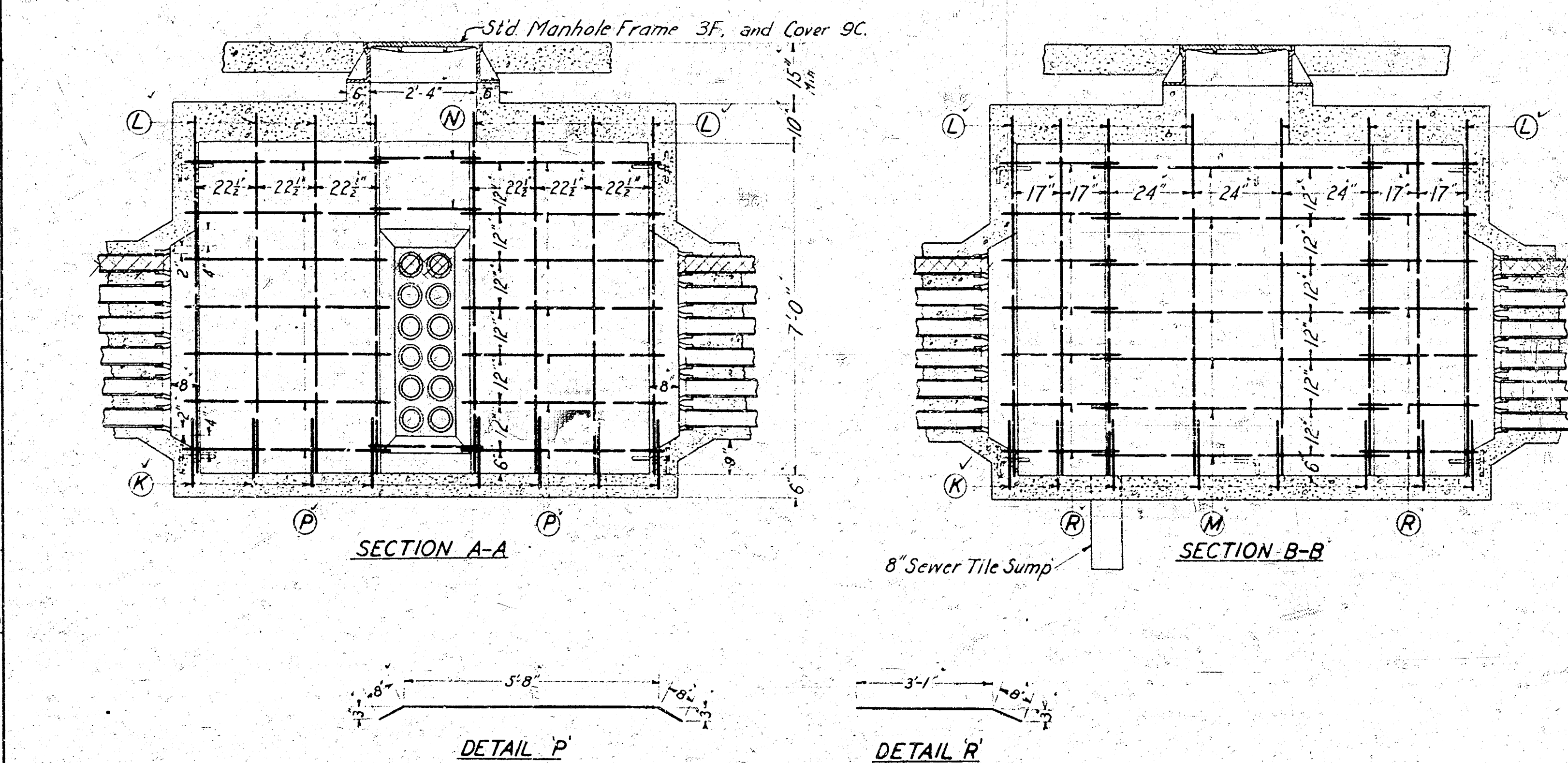




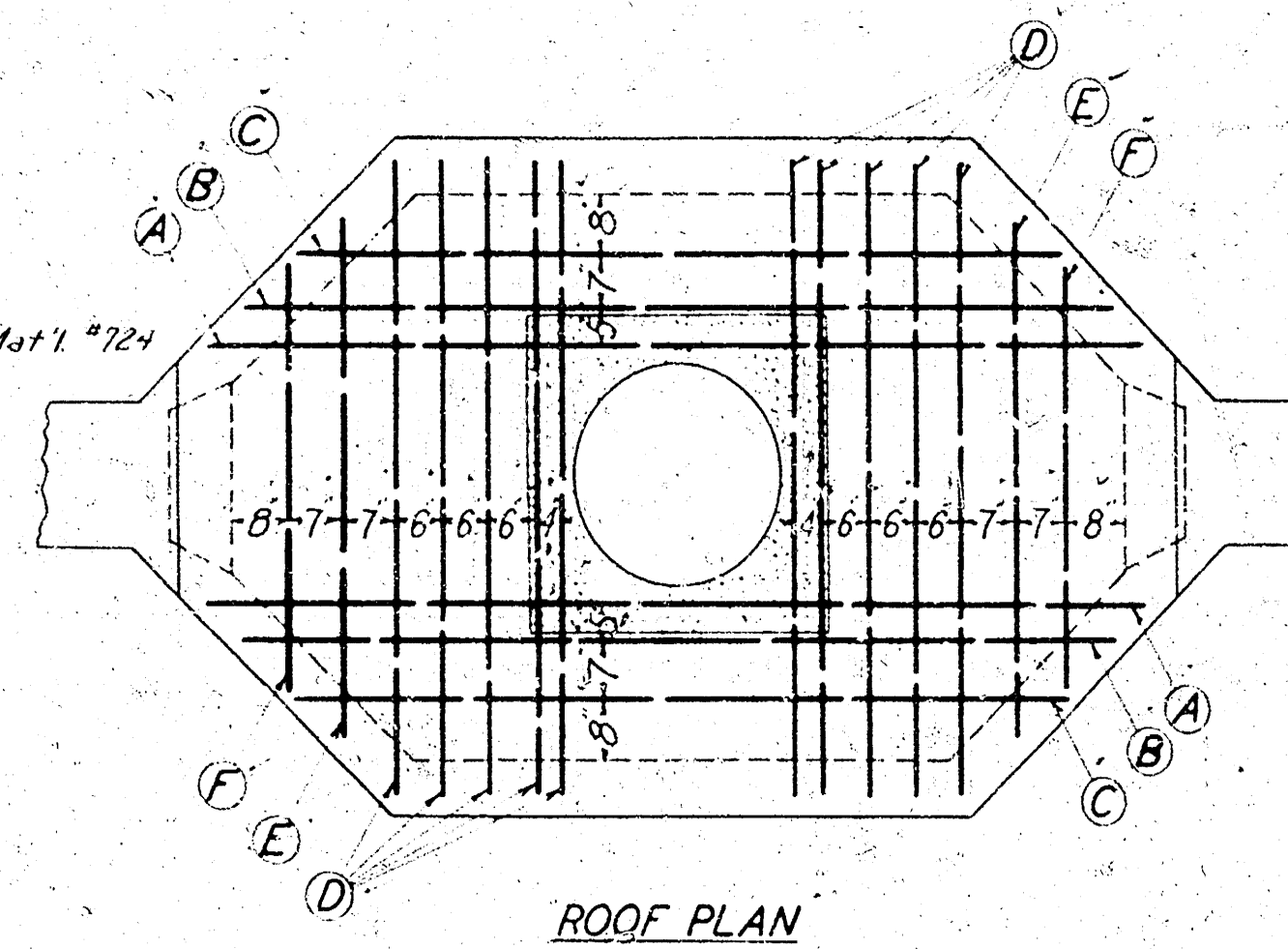
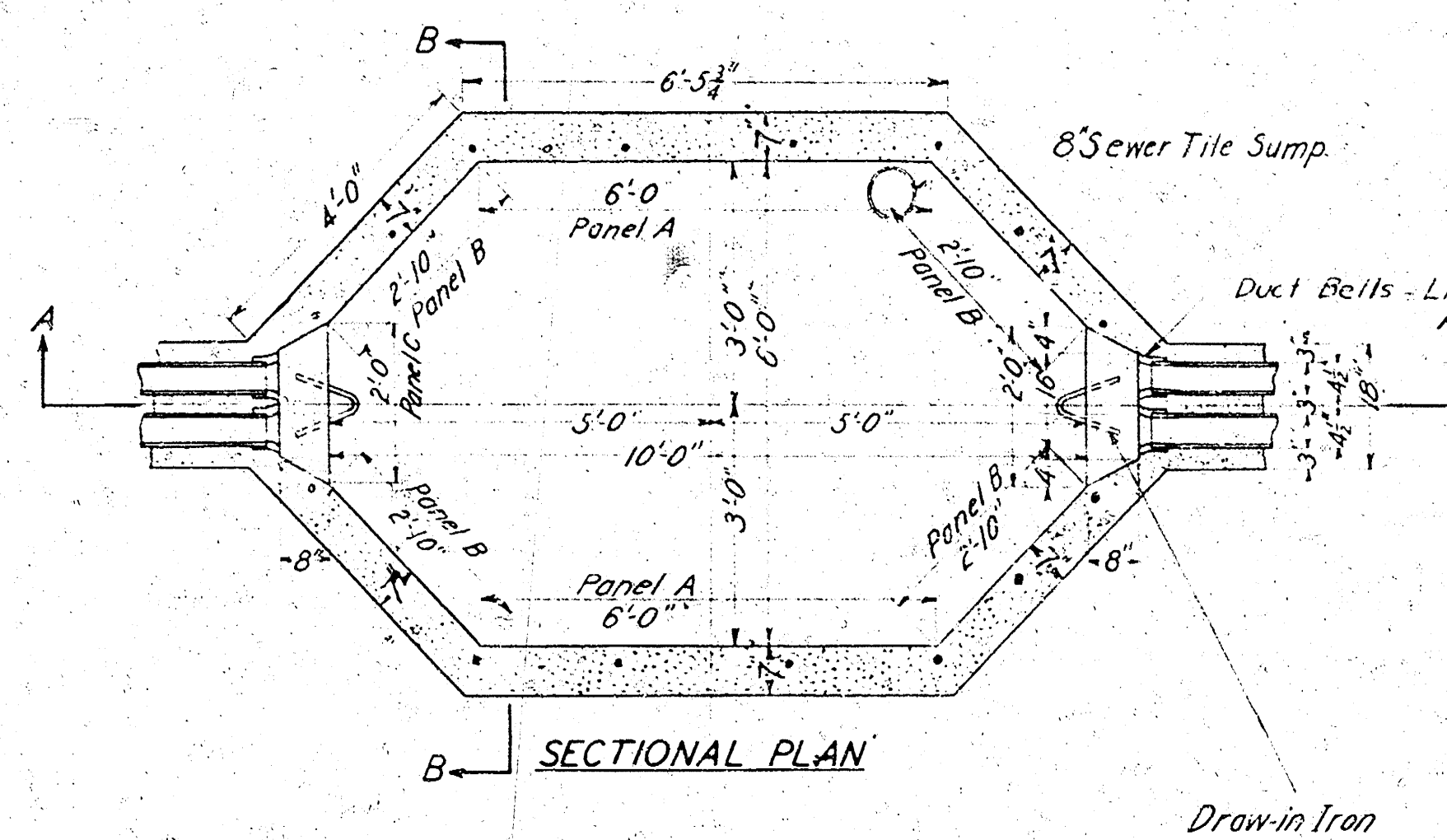
<u>STEEL SCHEDULE</u>					
Mark	Reqd	Size	Length	Position	Remarks
A	2	1/2"	10'-6"	Roof	Straight
B	2	"	9'-9"	"	"
C	4	"	8'-9"	"	"
D	3	"	7'-9"	"	"
E	3	"	6'-9"	"	"
F	3	"	5'-6"	"	"
G	3	"	4'-6"	"	"
H	2	"	8'-3"	"	"
J	2	"	7'-3"	"	"
K	16	1/8"	1'-6"	Dowels	"
L	16	"	7'-6"	Panel A,B-D (horz)	"
M	7	"	6'-9"	Panel C (horz)	"
N	9	"	2'-9"	Panel C (horz)	"
P	14	"	7'-0"	Panel D (horz)	See Detail 1
R	14	"	3'-9"	Panel E (horz)	See Detail 1

<u>ESTIMATE</u>		
Excavation	Cu Yd	28.5
Backfill	" "	3.5
Surplus	" "	26.0
Concrete (3000") 1'2'4" mix	" "	8.2
Draw-In Irons - Line Material	2850 IIR2	6
5/8" M.H. Frame and Cover	3F49C	
Sewer Tile (8')		1

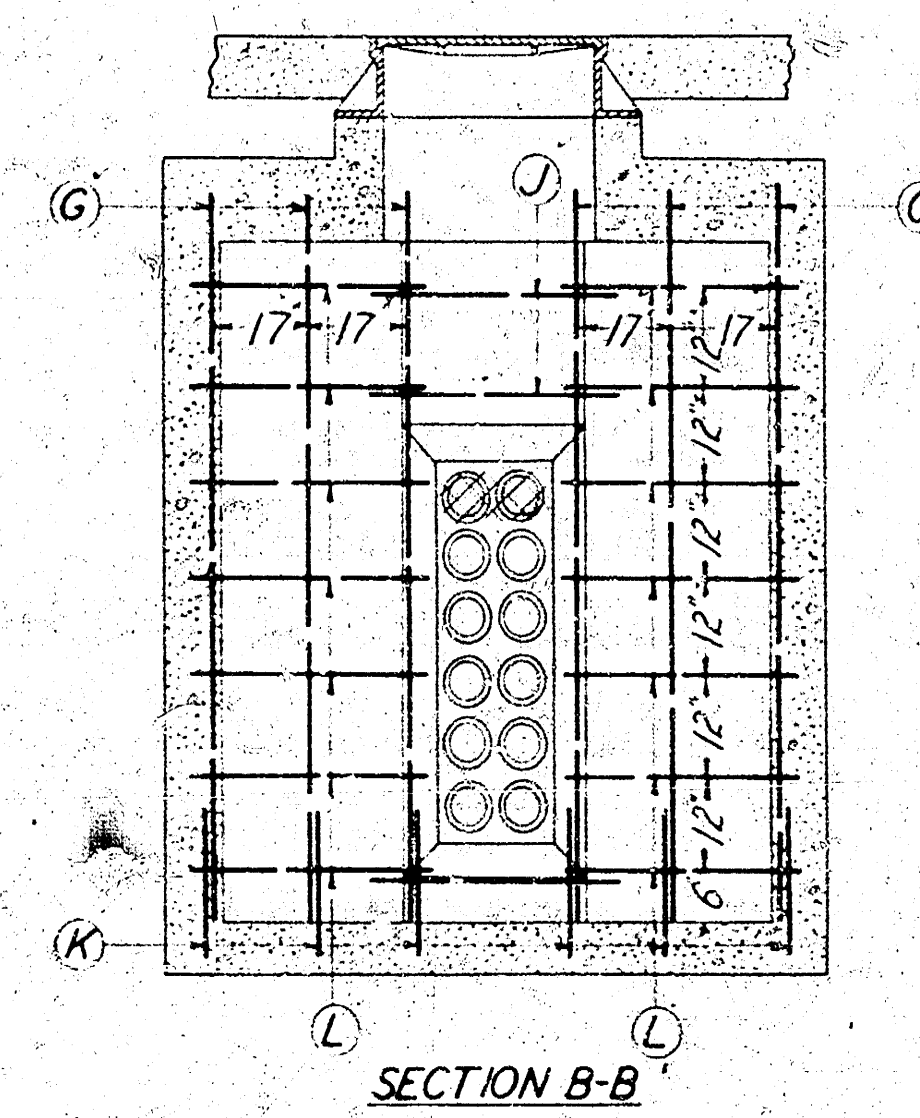
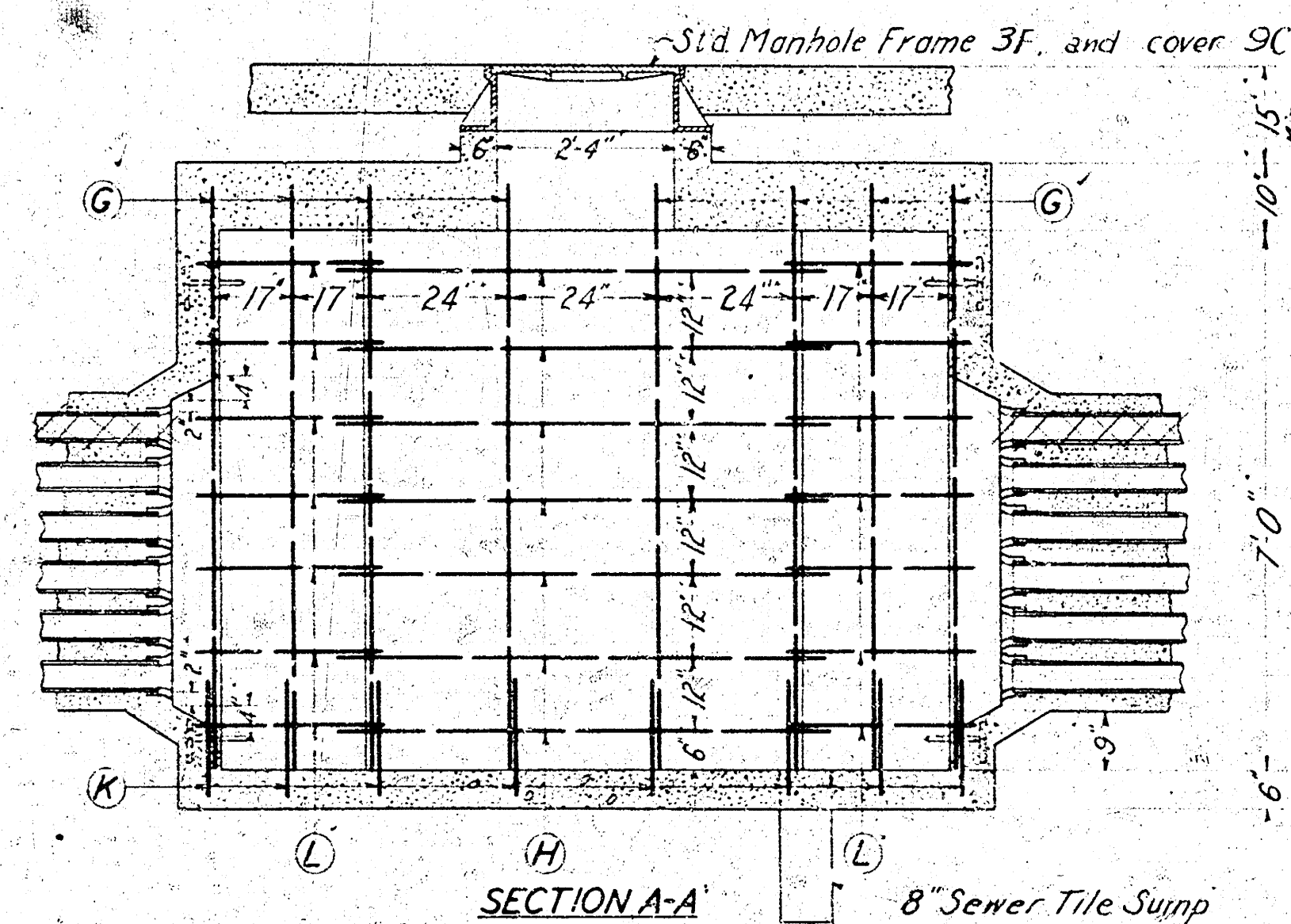
WICHITA UNDERGROUND SYSTEM
THREE WAY MANHOLE
KORDUCT DUCT BANK—2 WIDE
APRIL 21, 1930 SCALE $\frac{1}{2}" = 1'-0"$
APPROVED *E. T. H.* ENGINEER
KANSAS GAS AND ELECTRIC COMPANY
WICHITA-KANSAS
KD-1744

DATE	BY	REVISION
8-17-51	General Revision	
2-5-51	Added Duct Bells	
4-26-50	Revised for IWM Construction	
	BY	CHKD
		Approved

DATE	BY	REVISION
1-2-50		
1-2-50		
1-11-51		

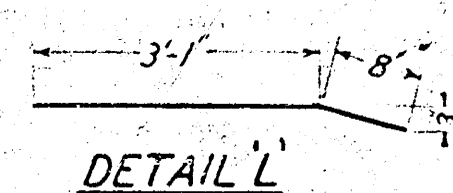


Mark	Rein. Size	Length	Position	Remarks
A	2	10'-6"	Roof	Straight
B	2	9'-9"	"	"
C	2	8'-9"	"	"
D	10	6'-9"	"	"
E	2	5'-6"	"	"
F	2	4'-6"	"	"
G	16	7'-6"	Panel A-B (Ved)	"
H	14	6'-9"	Panel A (Horz)	"
J	6	2'-9"	Panel C (Horz)	"
K	16	1'-6"	Dowels	"
L	28	3'-9"	Panel B (Horz)	See Detail 'L'

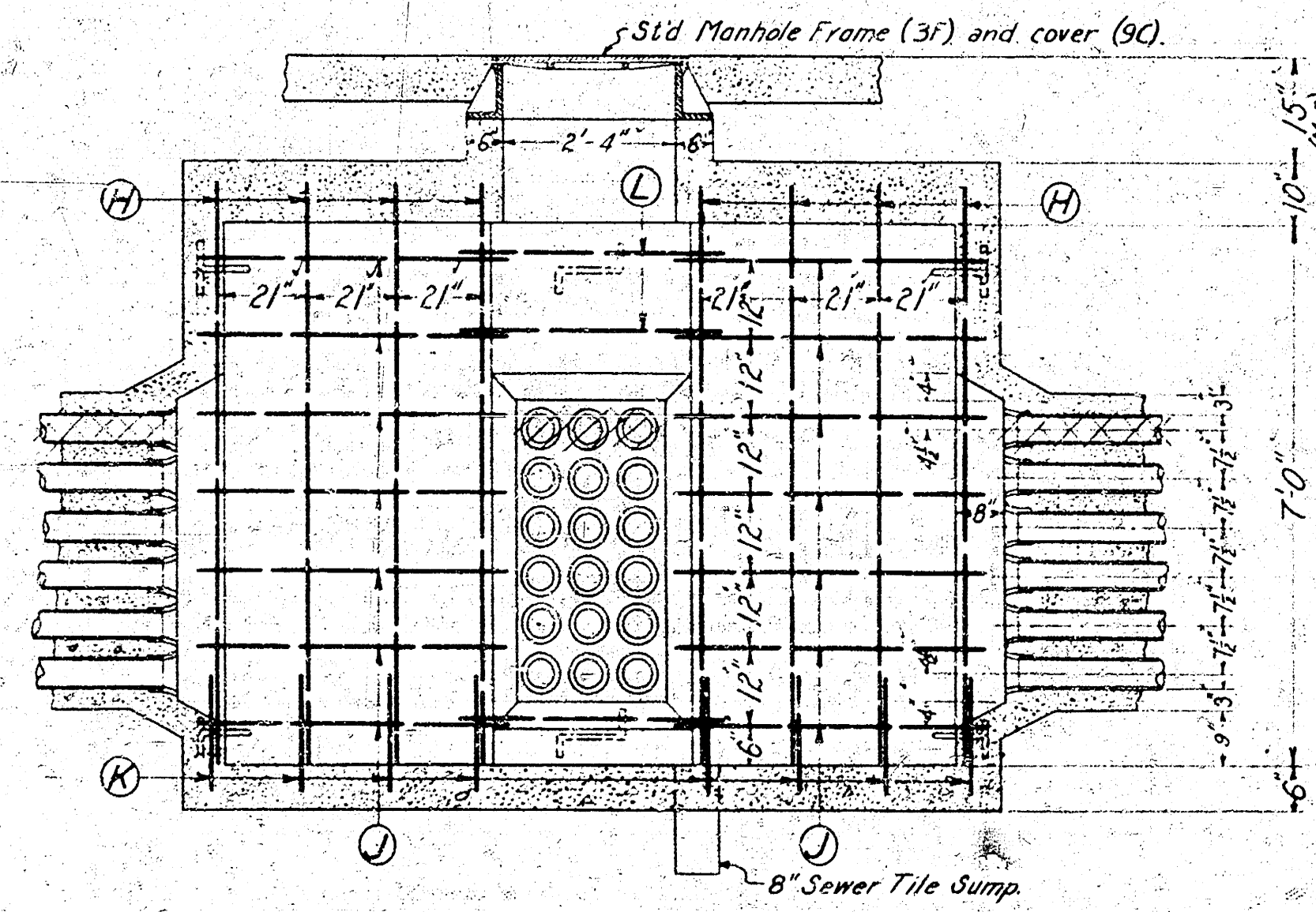
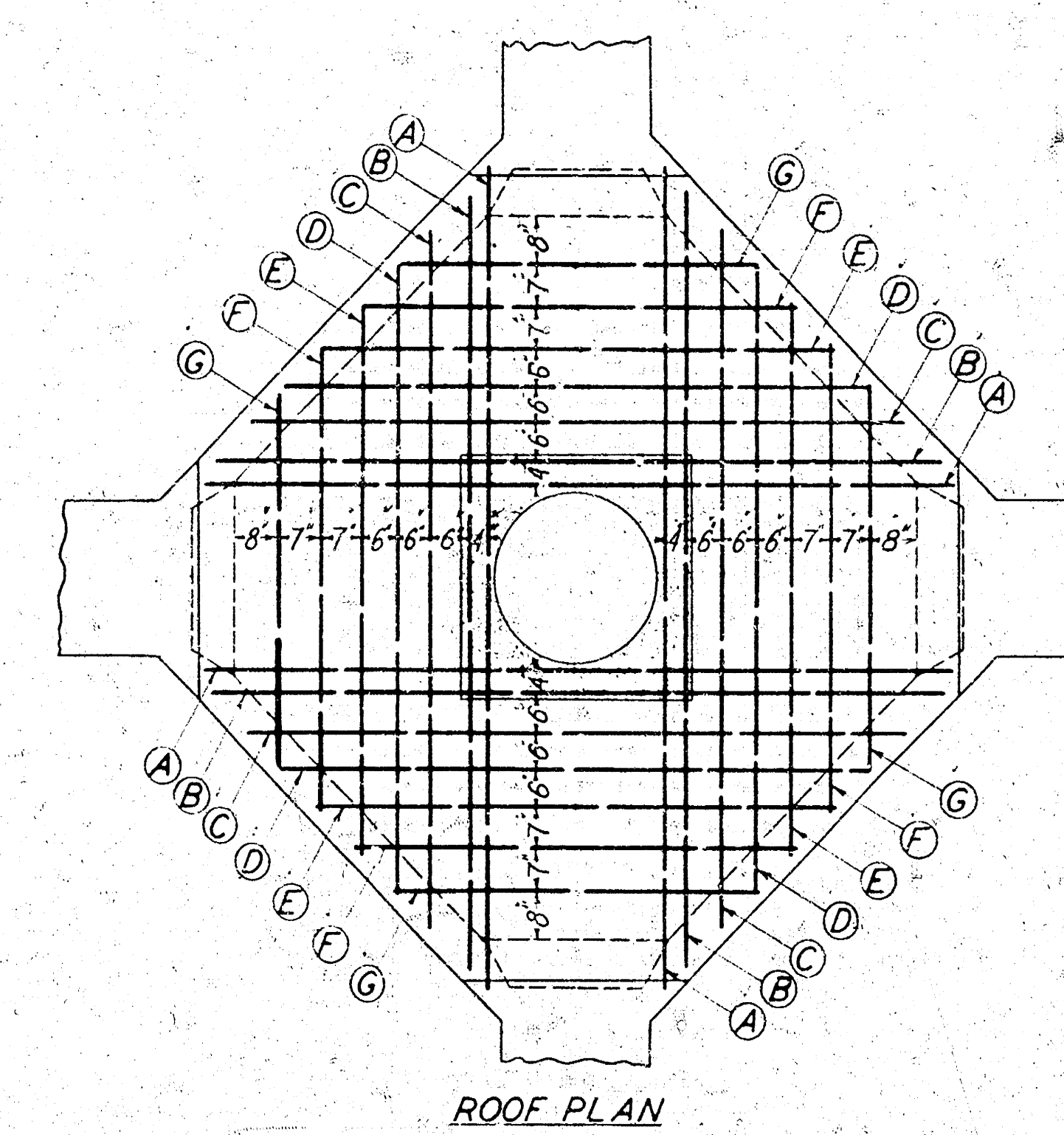


ESTIMATE		
Excavation	Cu Yd.	26"
Backfill	"	3
Surplus	"	23
Concrete (3000')	1'-2'-4" max	7.7
Draw-in Irons - Line Met 1	2850 IIR 2	4
Manhole Frame and Cover	SF & 9C	
Duct Bells	Field	
Sewer Tile (6')		1

Note:
Grade floor to sump.
Steel to be not less than 1/8" from face of concrete.



WICHITA UNDERGROUND SYSTEM
TWO WAY MANHOLE
KORDUCT - DUCT BANK - 2 WIDE
APRIL 26, 1939 SCALE 1/2" = 1'-0"
APPROVED *[Signature]* ENGINEER
KANSAS GAS AND ELECTRIC COMPANY
WICHITA-KANSAS
KD-1745



ESTIMATE		
Excavation	Cu Yd	34.3'
Backfill	"	4.4'
Surplus	"	29.9'
Concrete (3000') 1:2:4	"	10.5'
Draw-in Irons - Line Mat'l	2850 IIR 2	6'
Std MH Frame and Cover	3F # 9C	

STEEL SCHEDULE					
Mark	Reqd	Size	Length	Position	Remarks
A	4	$\frac{3}{4}$ "	10'-9"	Roof	Straight
B	4	"	10'-3"	"	"
C	4	"	9'-3"	"	"
D	4	"	8'-3"	"	"
E	4	"	7'-3"	"	"
F	4	"	6'-0"	"	"
G	4	"	5'-0"	"	"
H	16	$\frac{1}{2}$ "	7'-6"	Panel D (vert)	"
J	28	"	6'-7"	Panel D (horz)	See Detail "J"
K	16	"	1'-6"	Dowels	Straight
L	12	"	3'-6"	Panel C (horz)	"

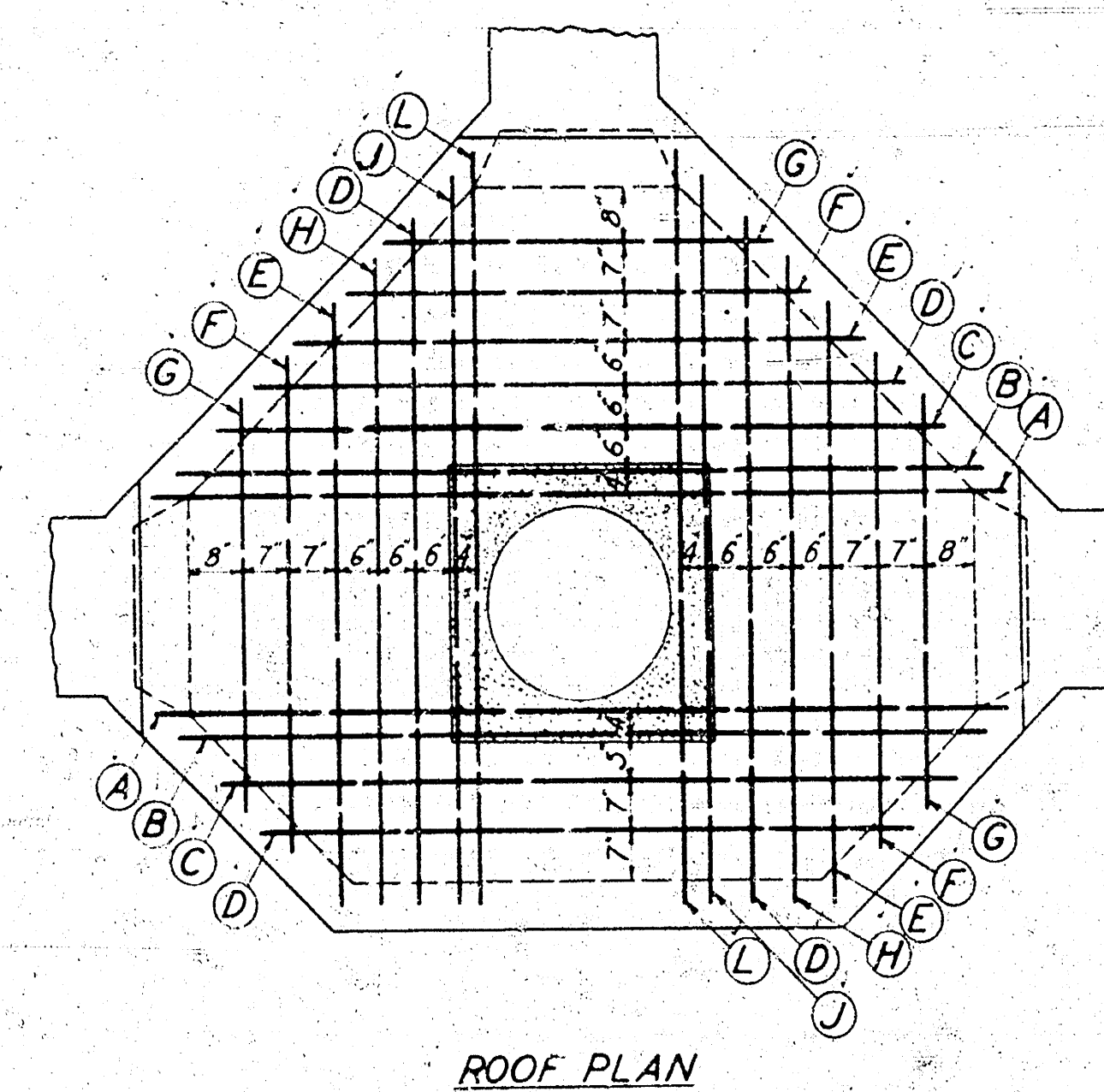
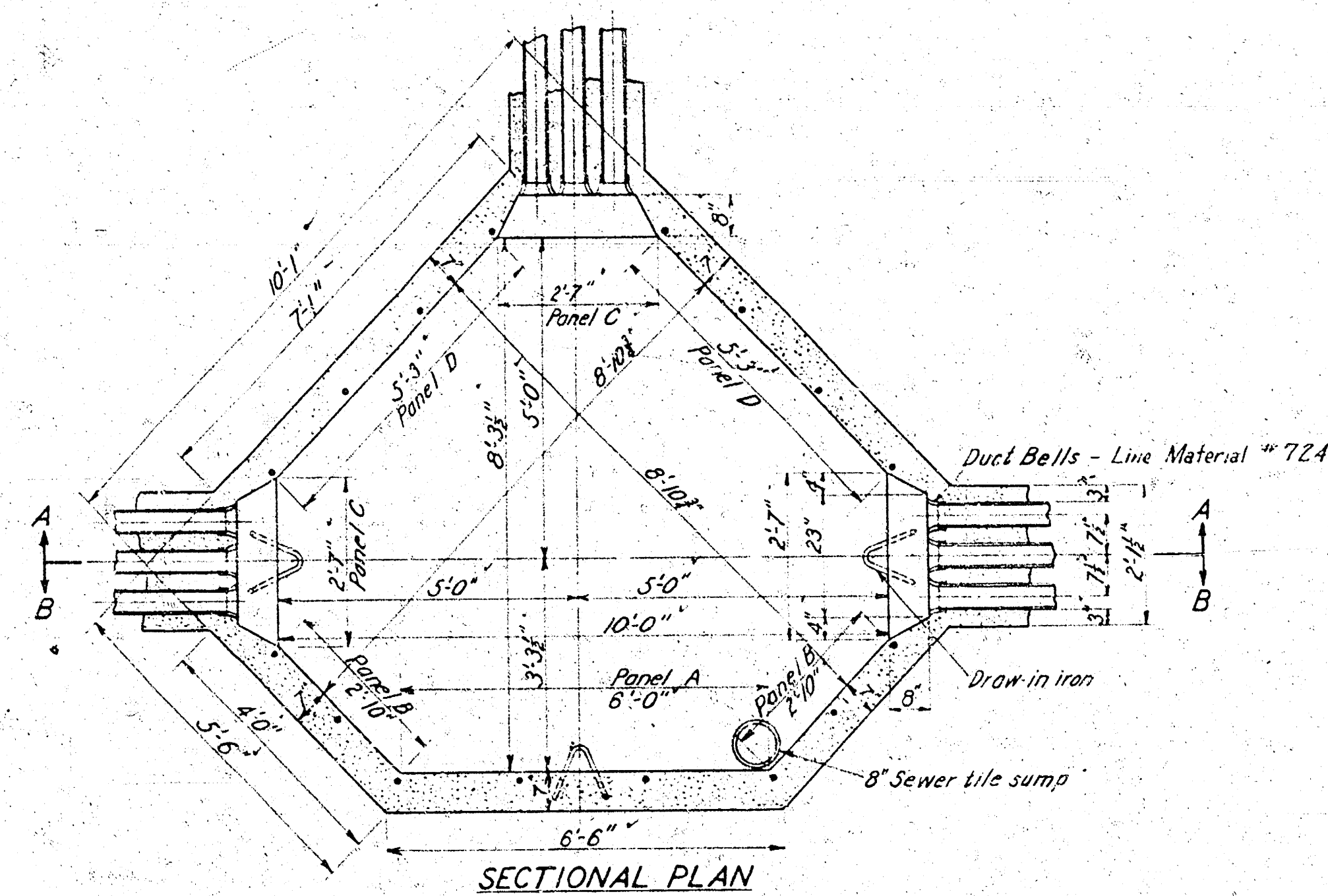
WICHITA UNDERGROUND SYSTEM
FOUR WAY MANHOLE
KORDUCT DUCT-BANK-3 WIDE
FEBRUARY 3, 1931 SCALE 1/2"=1'-0"
APPROVED *C. J. [Signature]* ENGINEER
KANSAS GAS AND ELECTRIC COMPANY
WICHITA, KANSAS

KD-1749

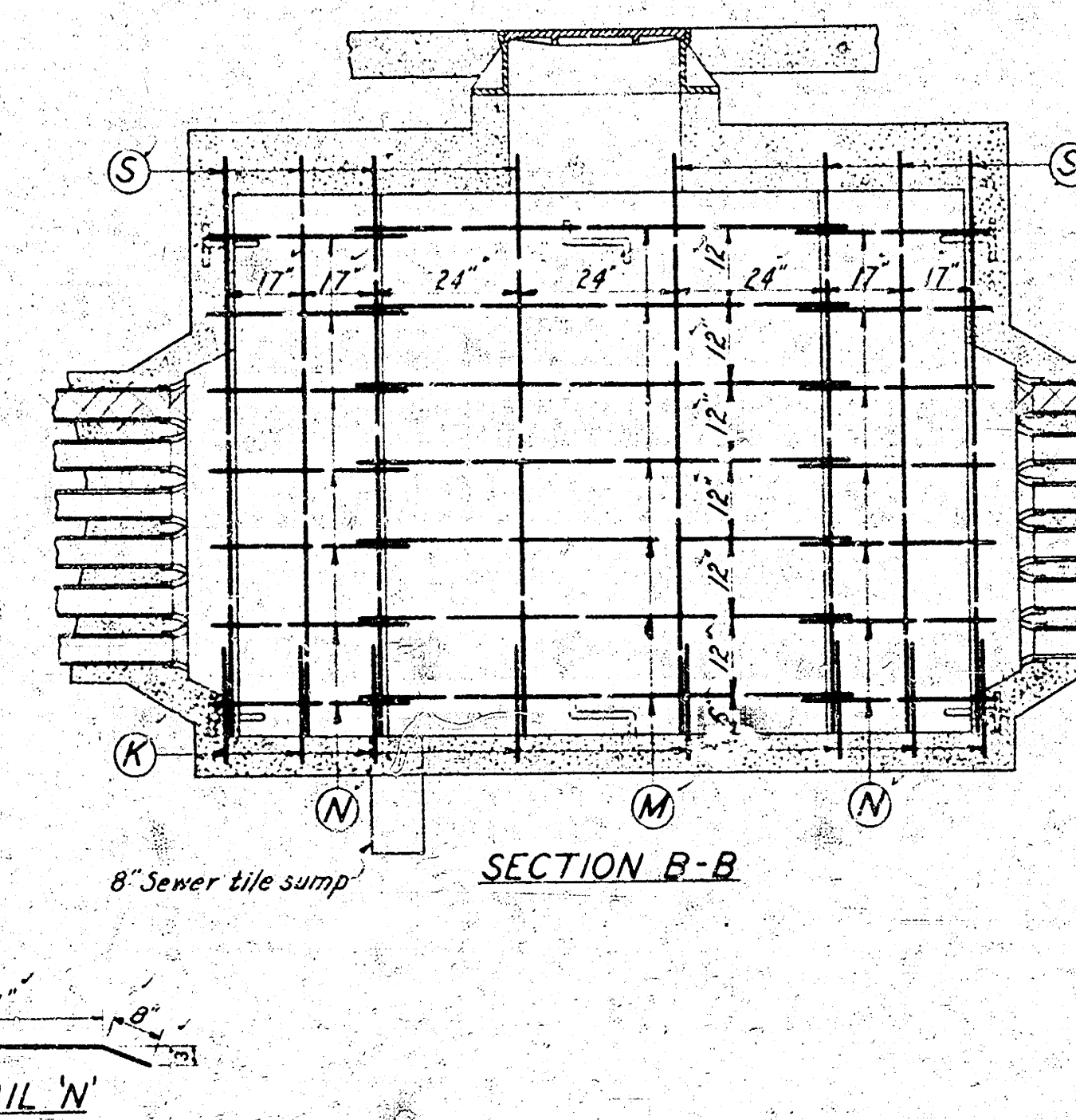
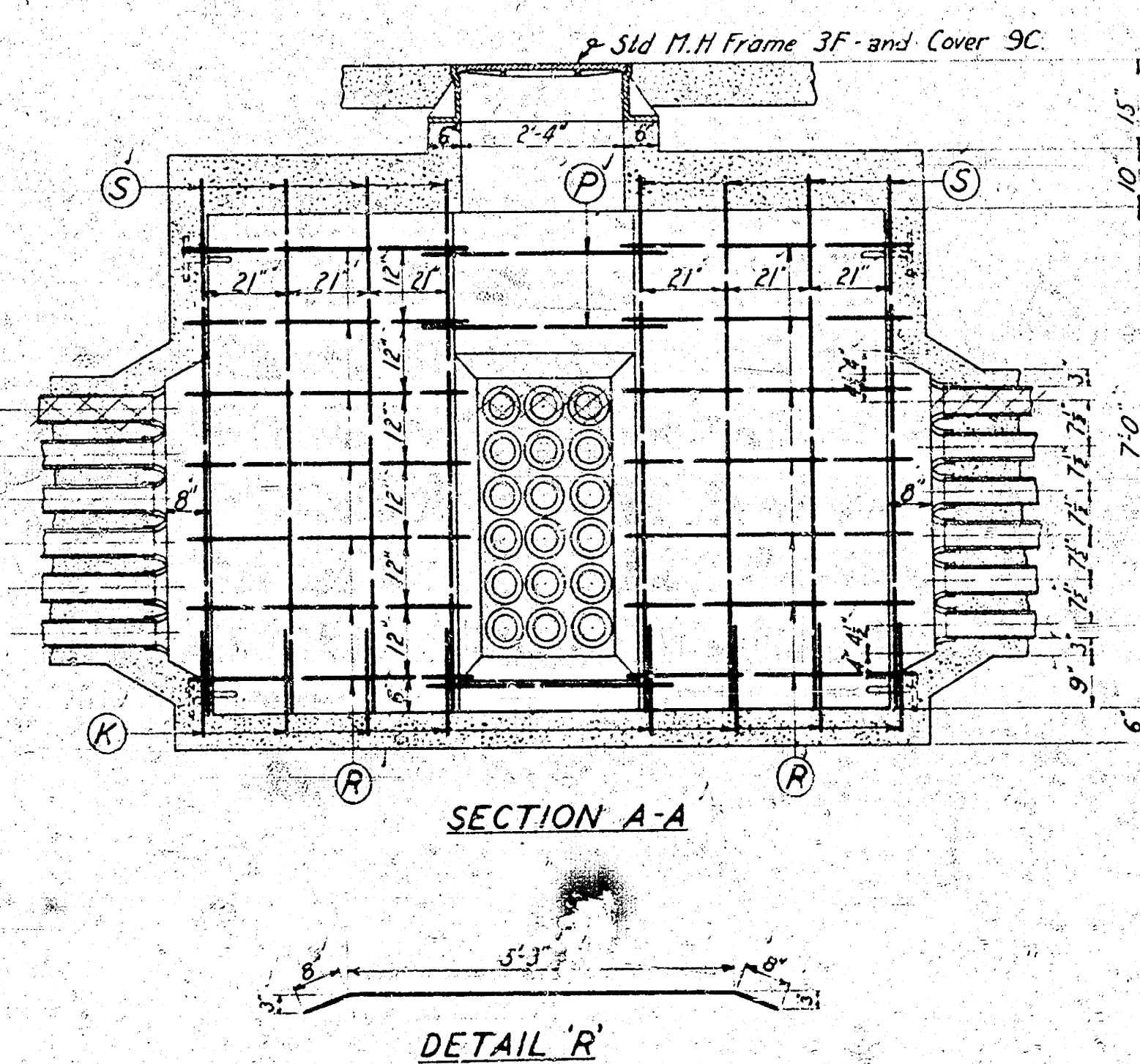
8-15-51	General Revision			
DATE	REVISION		BY	CHK'D. APP.

DRAWN BY	W.A.	FEB 3, 1931
TRACED BY	W.A.	FEB 3, 1931
CHECKED BY	W.A.	FEB 16, 1931

Note:
Grade floor to sump.
Steel to be not less than $1\frac{1}{2}$ " from face of concrete.



Mark	Reqd	Size	Length	Position	Remarks
A	2	3/4"	10'-9"	Roof	Straight
B	2	"	10'-3"	"	"
C	2	"	9'-3"	"	"
D	4	"	8'-3"	"	"
E	3	"	7'-3"	"	"
F	3	"	6'-0"	"	"
G	3	"	5'-0"	"	"
H	2	"	7'-9"	"	"
J	2	"	8'-9"	"	"
L	2	"	9'-0"	"	"
M	7	3/4"	6'-9"	Panel A (Hors)	"
N	14	"	3'-9"	Panel B (Hors)	See Detail N
P	9	"	3'-6"	Panel C (Hors)	Straight
R	14	"	6'-7"	Panel D (Hors)	See Detail R
S	16	"	7'-6"	Panel A B D (Vert)	Straight
K	16	"	7'-6"	Downs	"

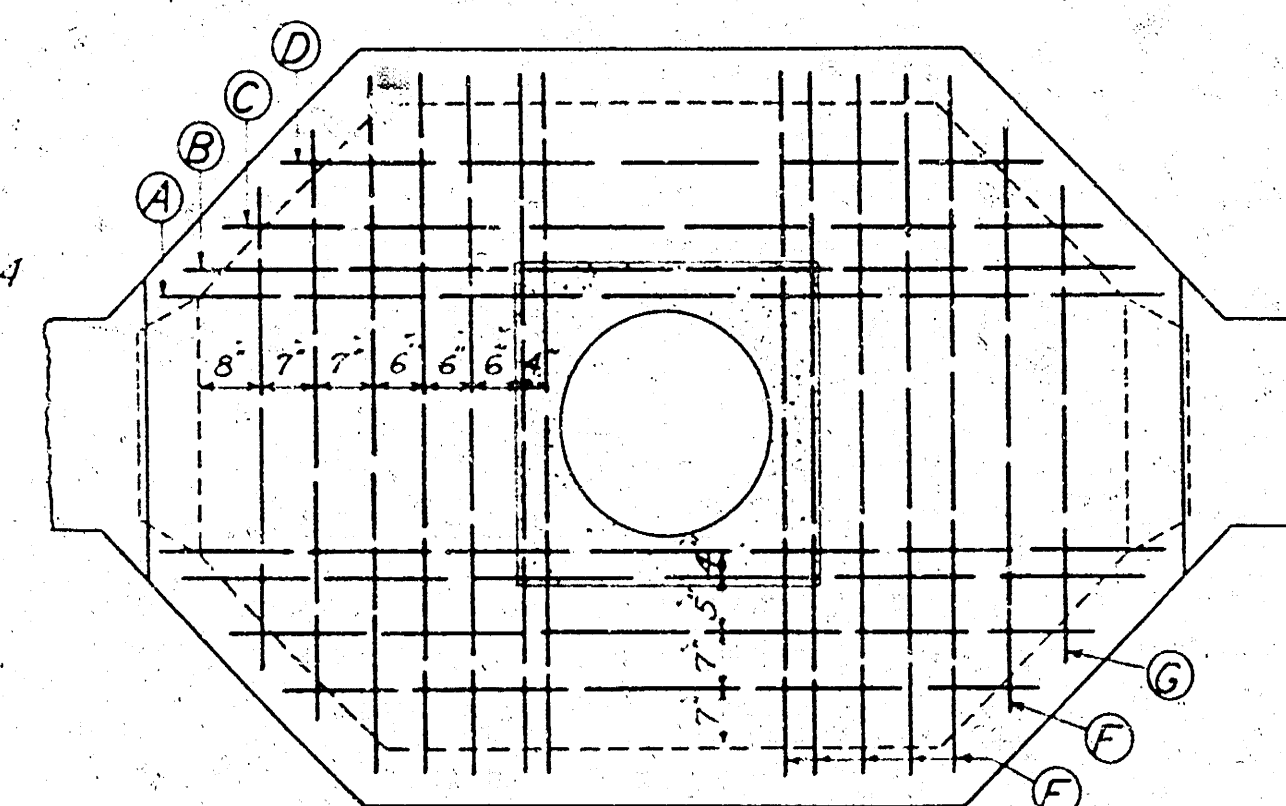


ESTIMATE		
Excavation	Cu. Yd.	29.8
Backfill	"	1.4
Surplus	"	26.4
Concrete (3000*)	1 1/2" x 6" mix	10.5
Draw in Irons - Line Material	2850 IIR 2	6
Frame and Cover	3F 4 9C	
Duct Bells	Field	
Sewer Tile (6")		1

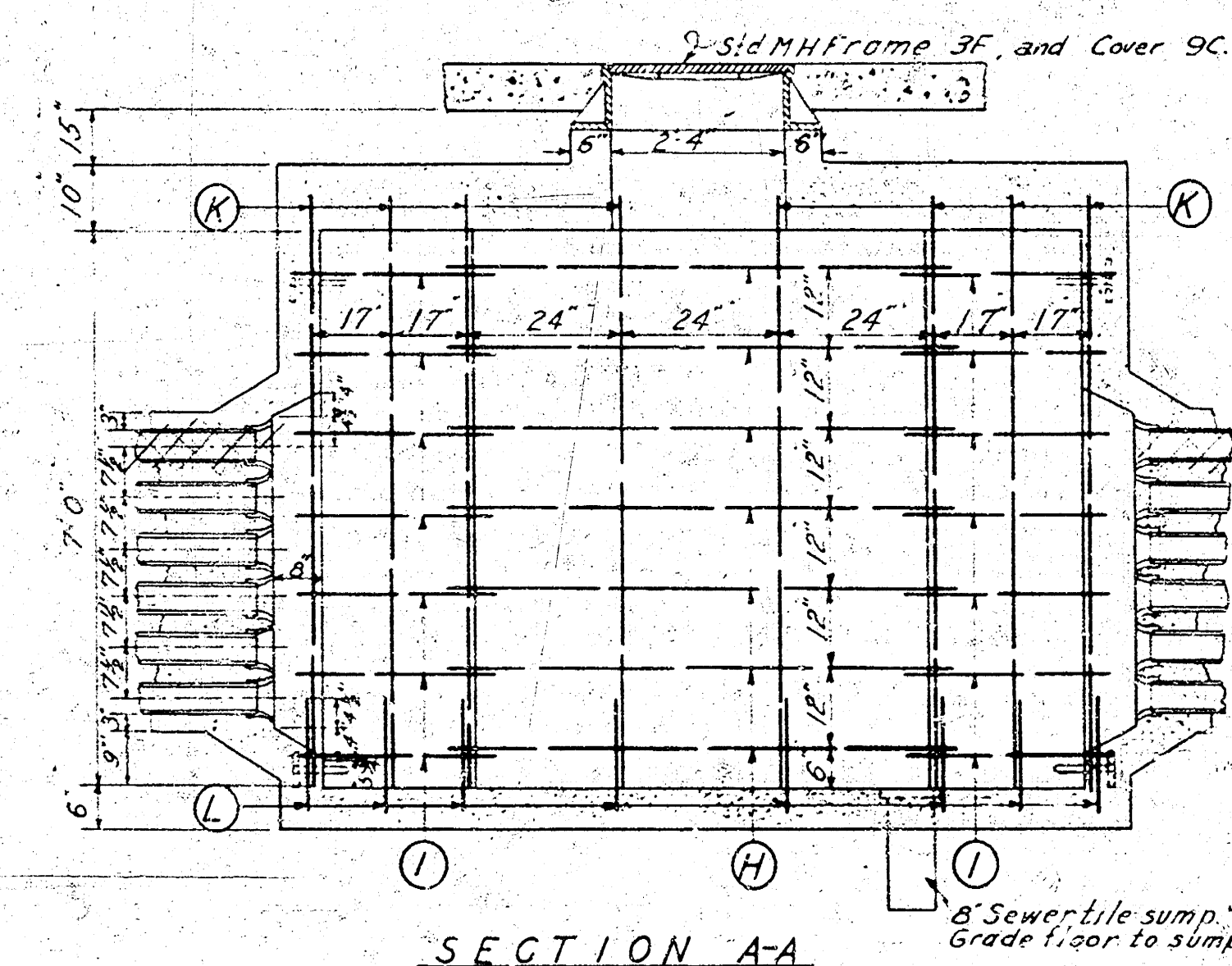
Note:
Grade floor to sump.
Steel to be not less than 1/8" from face of concrete.

WICHITA UNDERGROUND SYSTEM
THREE WAY MANHOLE
KORDUCT-DUCT BANK—3 WIDE
SEPT 2, 1931 SCALE 1/2"=1'-0"
APPROVED *[Signature]* ENGINEER
KANSAS GAS AND ELECTRIC COMPANY
WICHITA, KANSAS

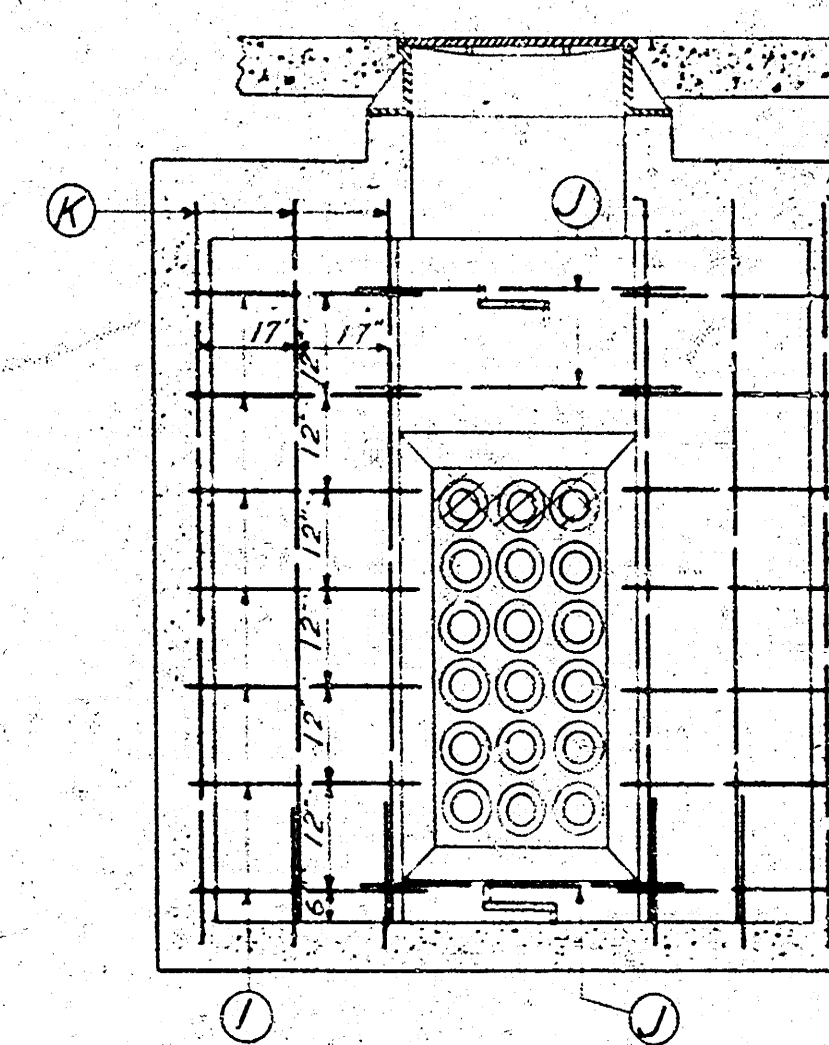
KD-1760



ROOF PLAN

[illegible]

SECTION A-A



SECTION B-B

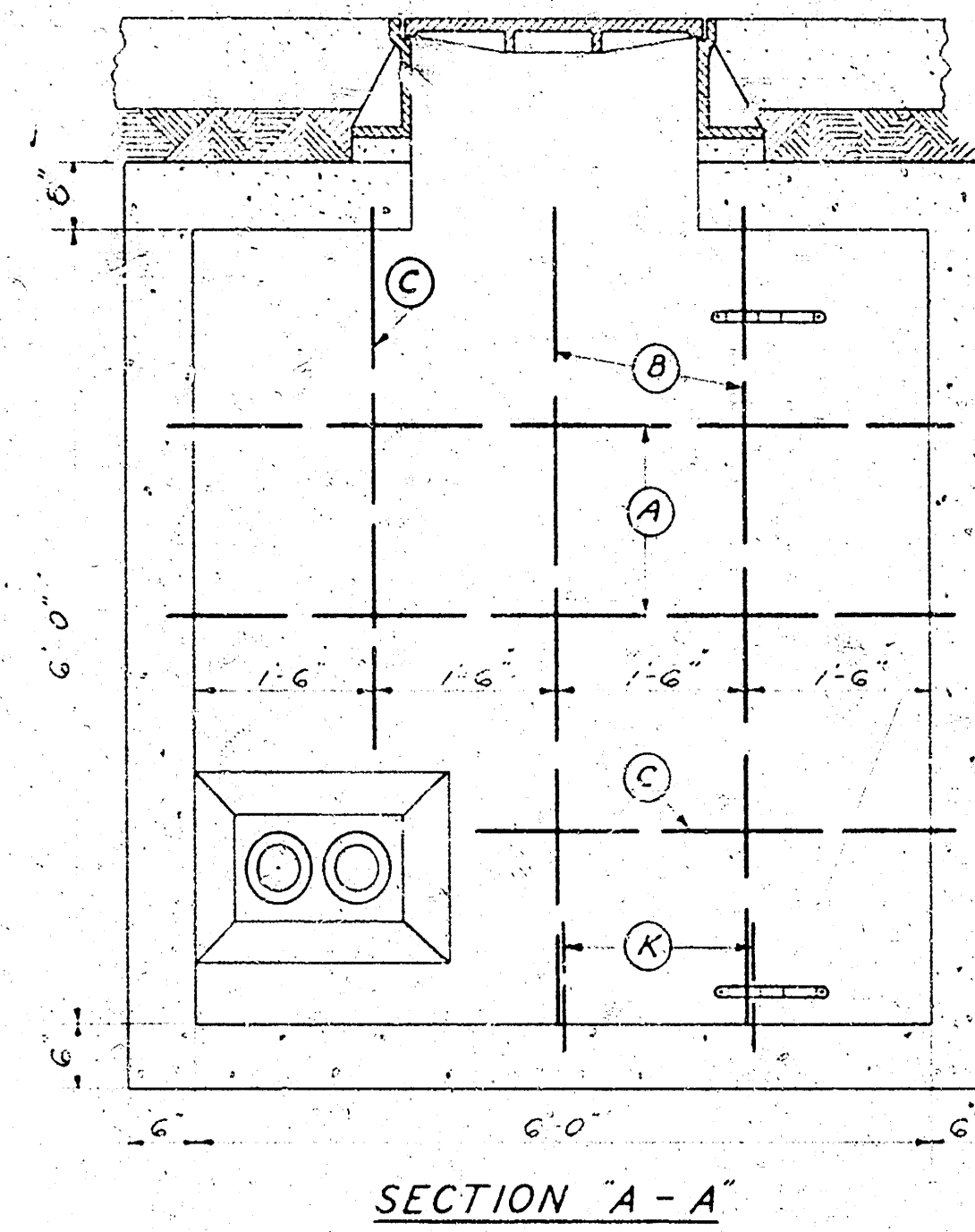
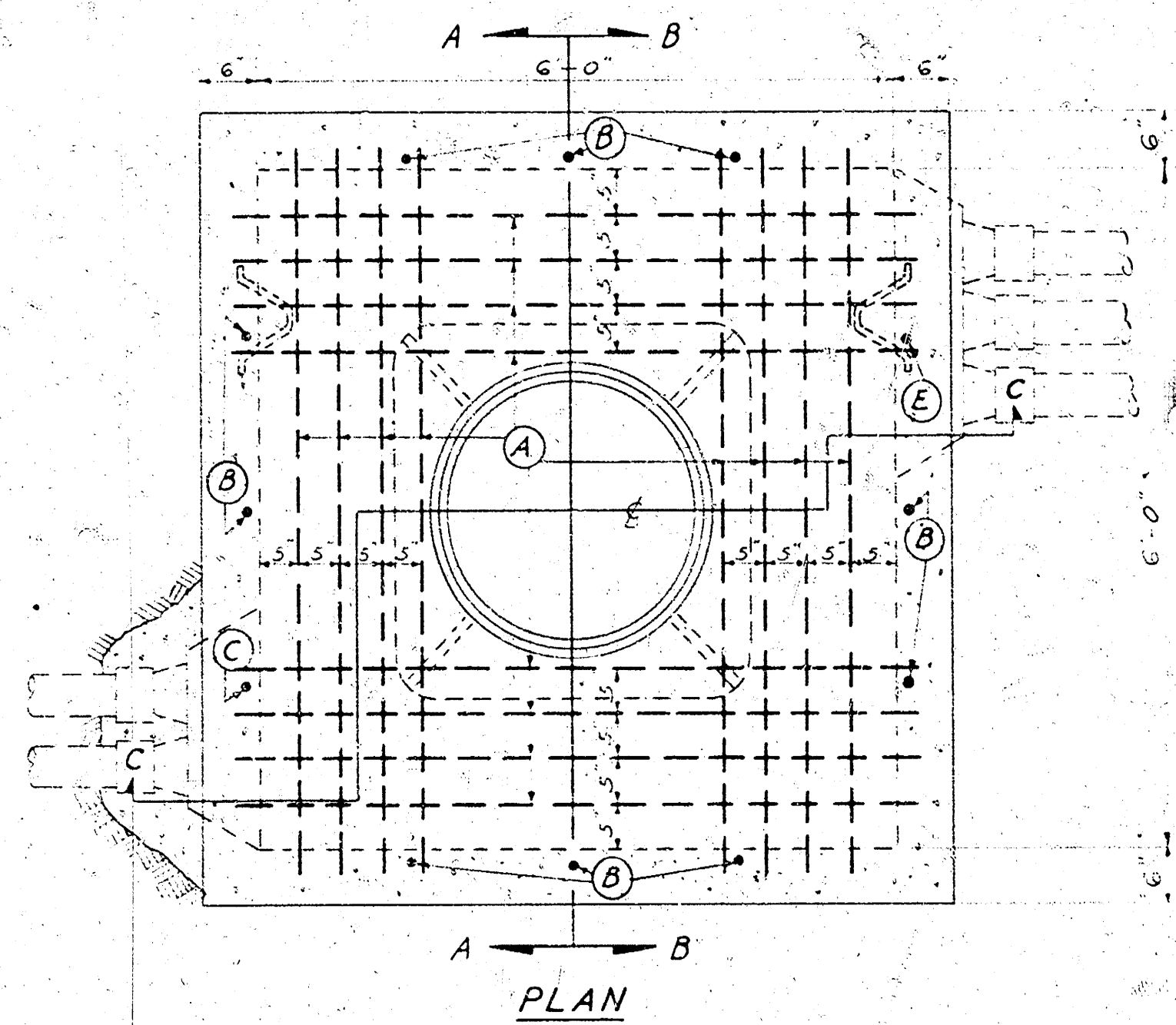
ESTIMATE			
Excavation		Cu Yds.	27.
Backfill		"	3.
Surplus		"	24.
Concrete (3000*)	1/2:4 mix	"	9.
Sand			
Cement			
Steel			
Drawn Irons - Line Material*		2850 lbs.	1
Manhole Casting		3F & 9C	
Sewer Tile		8"	1
Duct Bells			Field

WICHITA UNDERGROUND SYSTEM
TWO WAY MANHOLE
KORDUCT DUCT BANK—3 WIDE
MARCH 31, 1934 SCALE $\frac{1}{2}"=1'-0"$
APPROVED *C. T. Newman* ENGINEER
KANSAS GAS AND ELECTRIC COMPANY
WICHITA, KANSAS

KD-1779

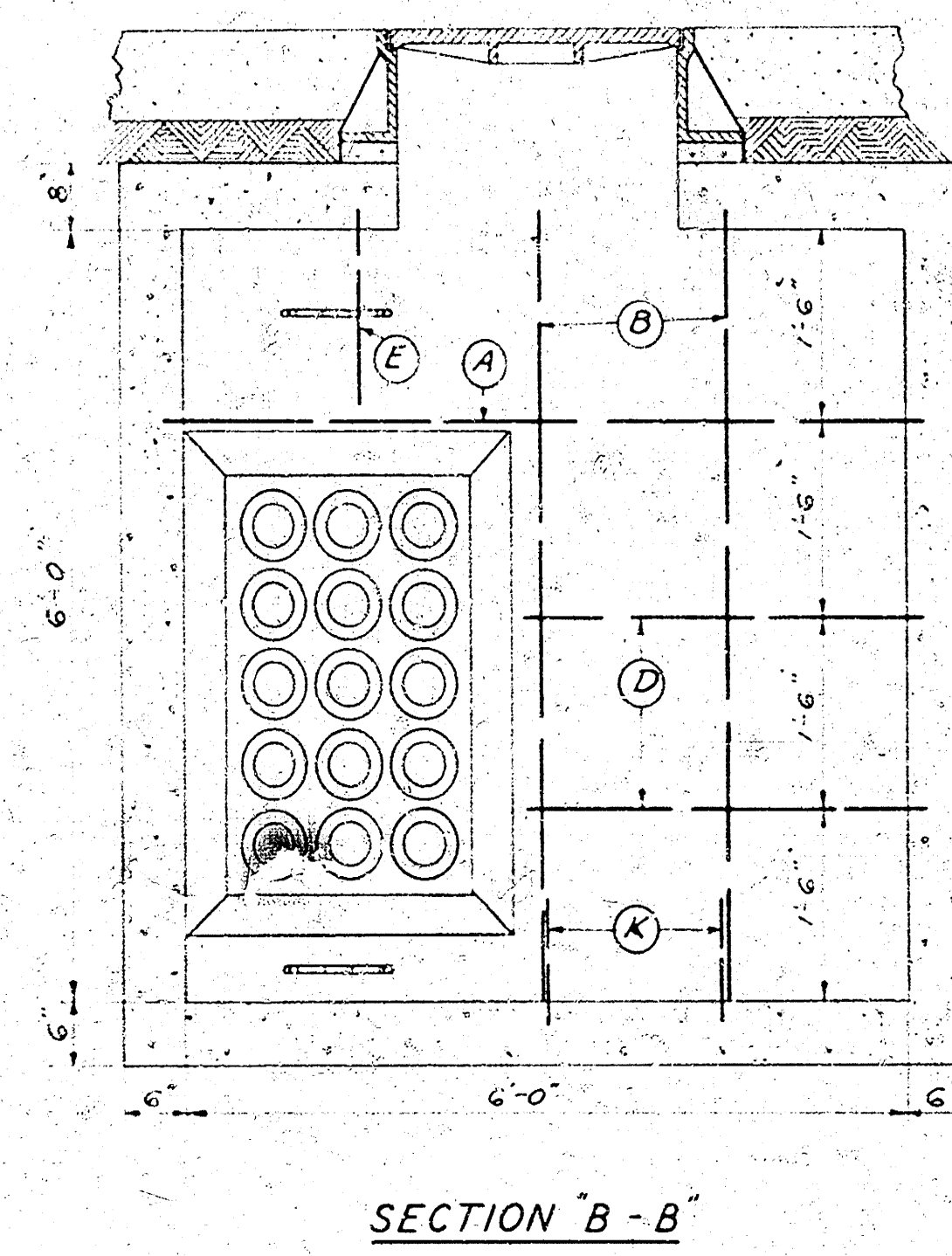
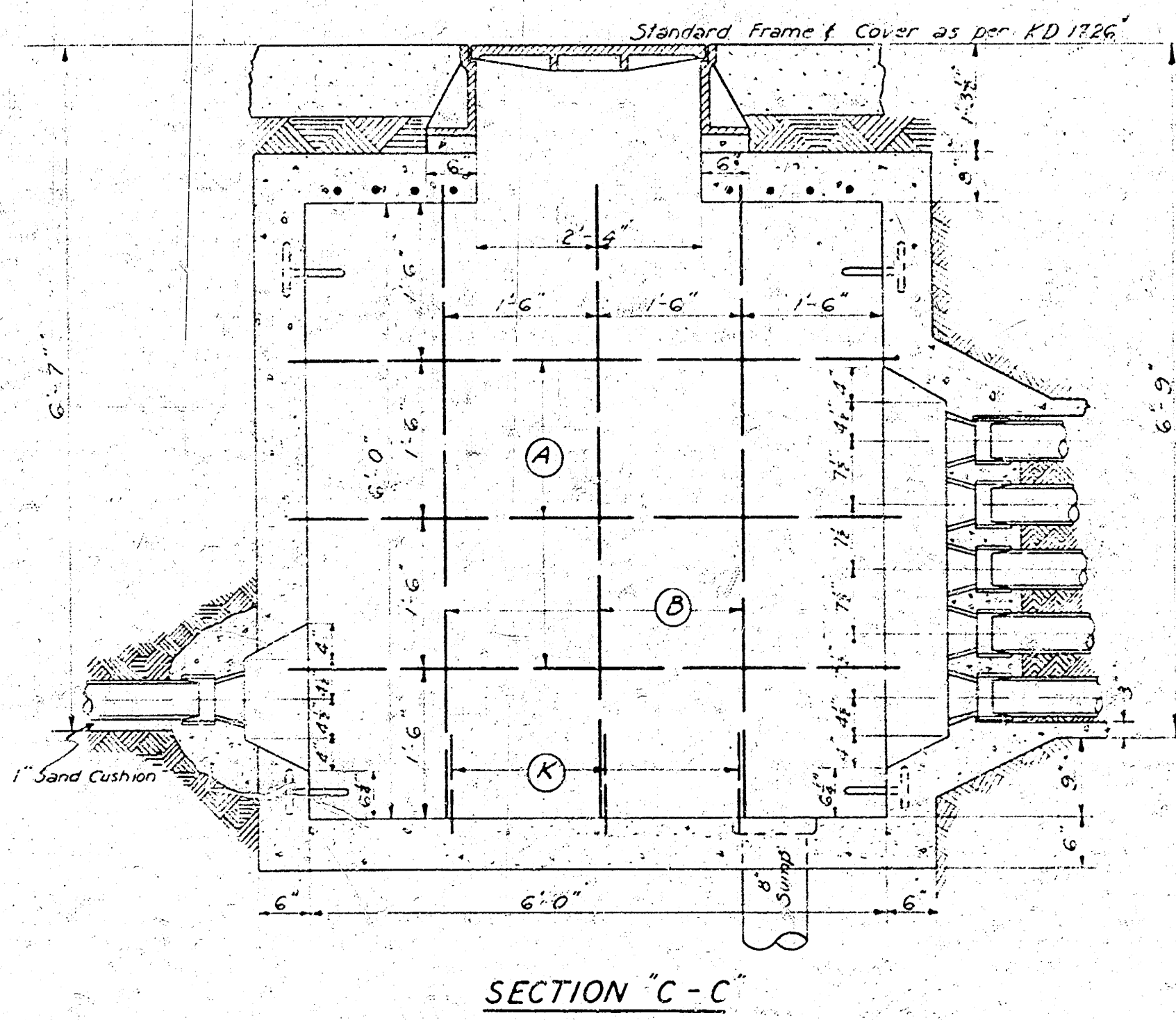
8/15/91	General Revision	DM (ALC)	SA
9/1/91	REVISION	BY CLK'S	ADD

DRAWN BY	N. G. S. March 10 '99
TRACED BY	 91 '99



ESTIMATE	
Excavation	15 cu yds
Surplus	14 cu yds
Concrete Floor	1 cu yds
Concrete Walls	2.9 cu yds
Concrete Roof	0.9 cu yds
Concrete Collar	6.05 cu yds
Concrete Total	4.85 cu yds
Cement	79 sacks
Sand	5.2 cu yds
Steel	162 lbs
Sewer Tile - 8"	1 ea
Frame & Cover	1 ea
Pulling Iron	4 ea
Conduit Bell Porcelain	17 ea

CONCRETE - 1 Part Cement : 4 Parts Sand



STEEL			
MARK	REQ'D	SIZE	LENGTH
A	25	$\frac{3}{8}$ "	6'-6"
B	10	$\frac{3}{8}$ "	6'-3"
C	2	$\frac{3}{8}$ "	4'-0"
D	2	$\frac{3}{8}$ "	3'-9"
E	1	$\frac{3}{8}$ "	1'-6"
K	10	$\frac{3}{8}$ "	1'-0"

WICHITA UNDERGROUND SYSTEM
SERVICE HOLE 829
2ND. ST. & ST. FRANCIS ST.
JULY 30 1935
KANSAS GAS AND ELECTRIC COMPANY
WICHITA, KANSAS

KD-1787

DATE	REVISION	BY	CHK'D	APP'D
7-27-35				
7-27-35				
7-27-35				
7-27-35				

APPROVED
DATE 7-31-35 ENGINEER