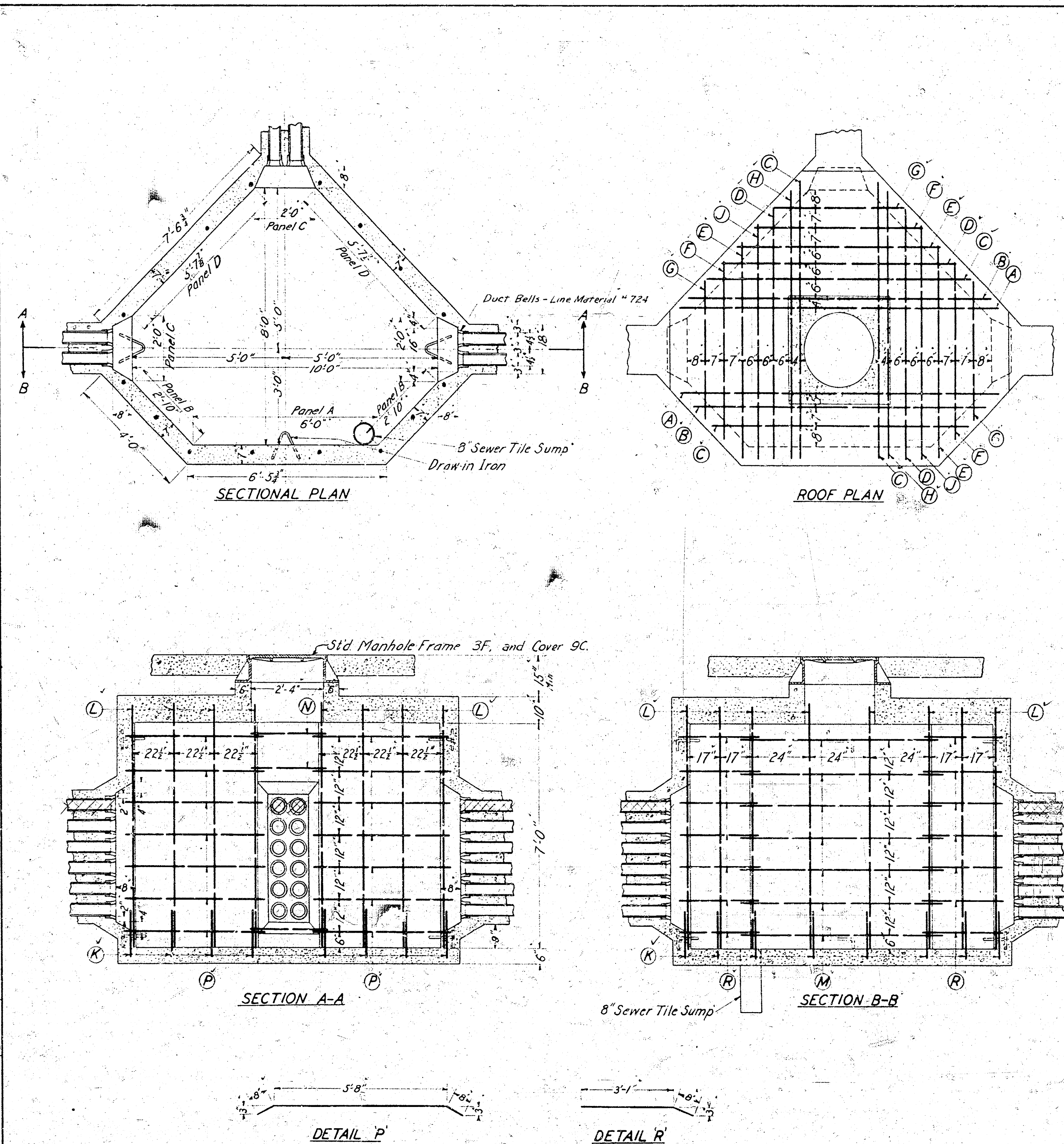


8-15-31	General Revision	8-15-31	EX
2-5-32	Added Duct Bells	2-5-32	EX
4-23-32	Revised for IM Construction	4-23-32	EX
	Revision		EX
	Date		EX
DRAWN BY	12/24/42	12/24/42	12/24/42
TRACED BY	12/24/42	12/24/42	12/24/42
CHECKED BY	12/24/42	12/24/42	12/24/42

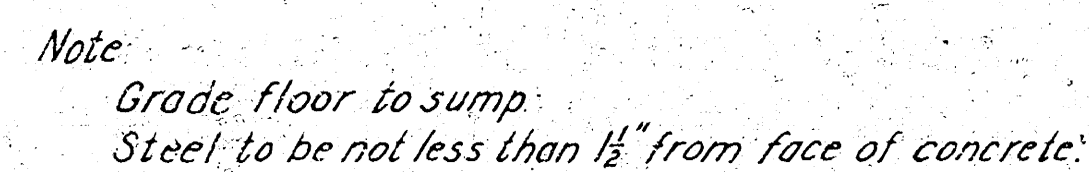


Mark	Reqd	Size	Length	Position	Remarks
A	2	1/4"	10'-6"	Roof	Straight
B	2	"	9'-9"	"	"
C	4	"	8'-9"	"	"
D	3	"	7'-9"	"	"
E	3	"	6'-9"	"	"
F	3	"	5'-6"	"	"
G	3	"	4'-6"	"	"
H	2	"	8'-3"	"	"
J	2	"	7'-3"	"	"
K	16	1/8"	1'-6"	Dowels	"
L	16	"	7'-6"	Panel A-B-D (horz)	"
M	7	"	6'-9"	Panel A (horz)	"
N	9	"	2'-9"	Panel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

ESTIMATE		
Excavation	Cu Yd	29.5
Backfill	"	3.5
Surplus	"	26.0
Concrete (3000) 1' 2" 4" mix	"	8.2
Draw in Irons - Line Material	2850 10K 2	6
512 M.H. Frame and Cover	3F & 9C	
Sewer Tile (6")		1

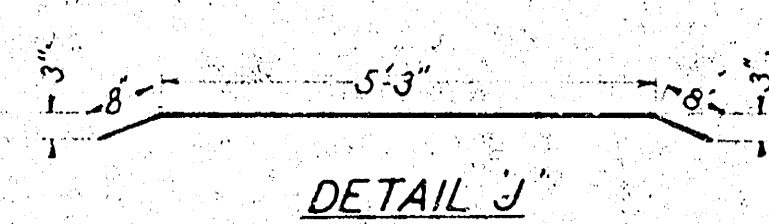
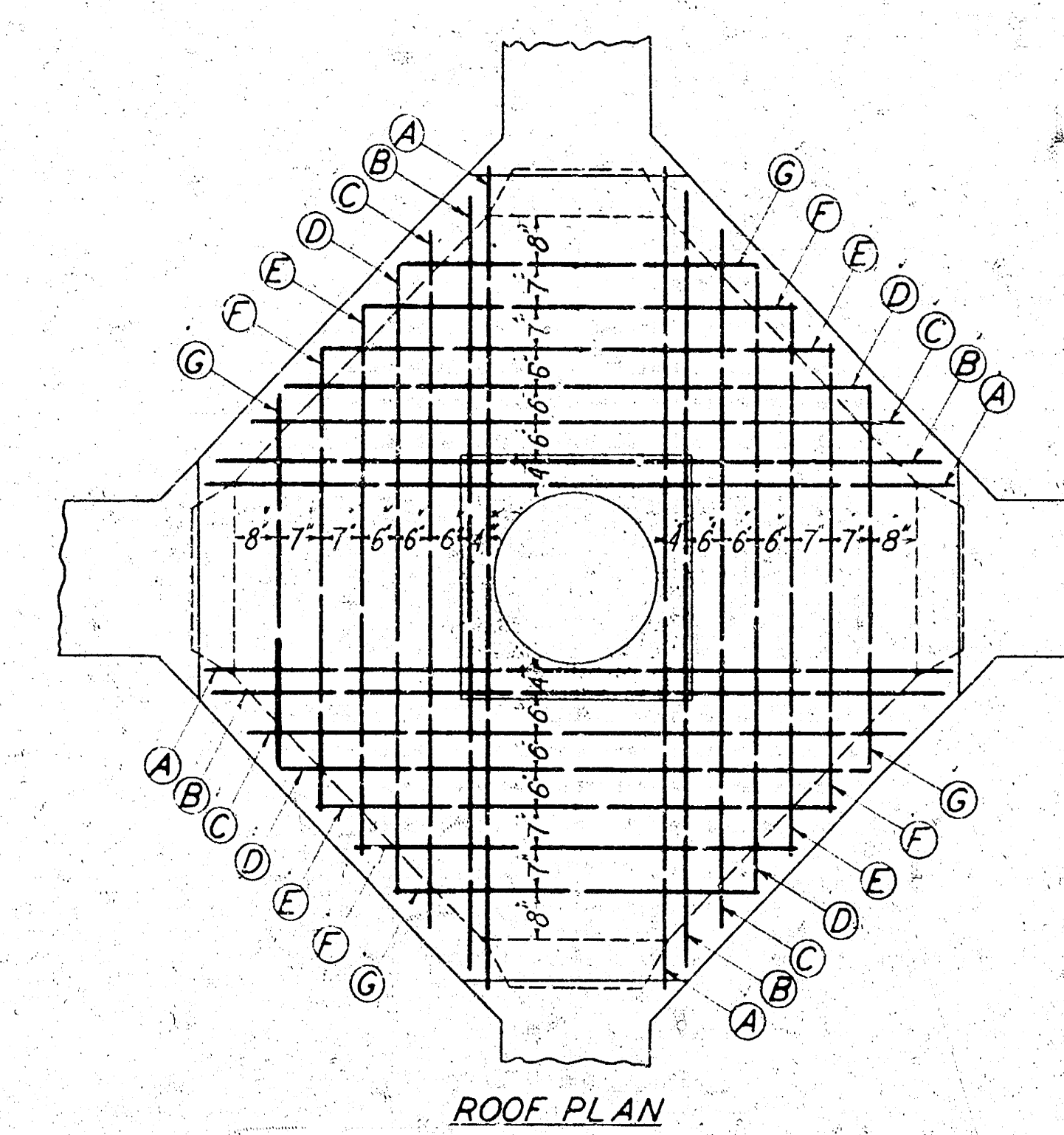
WICHITA UNDERGROUND SYSTEM
THREE WAY MANHOLE
KORDUCT DUCT BANK—2 WIDE
APRIL 21, 1930
APPROVED *[Signature]* ENGINEER
KANSAS GAS AND ELECTRIC COMPANY
WICHITA-KANSAS
KD-1744

DRAWN BY	228	4-26-30
TRACED BY	128	4-26-30
CHECKED BY	114	



<u>ESTIMATE</u>		
Excavation	Cu Yd	26 "
Backfill	" "	3 "
Surplus	" "	23 "
Concrete (3000") 1'2'4 max	" "	7.7 "
Drain in Trans-Line Matl	2850 LTR	4 "
Manhole Frame and Cover	3F & 9C	
Duct Bells		Field
Sewer Tile (6")		1 "

WICHITA UNDERGROUND SYSTEM
TWO WAY MANHOLE
KORDUCT DUCT BANK- 2 WIDE
APRIL 26, 1930 SCALE $\frac{1}{2}" = 1'-0"$
APPROVED *G. T. H.* ENGINEER
KANSAS GAS AND ELECTRIC COMPANY
WICHITA-KANSAS
KD-1745

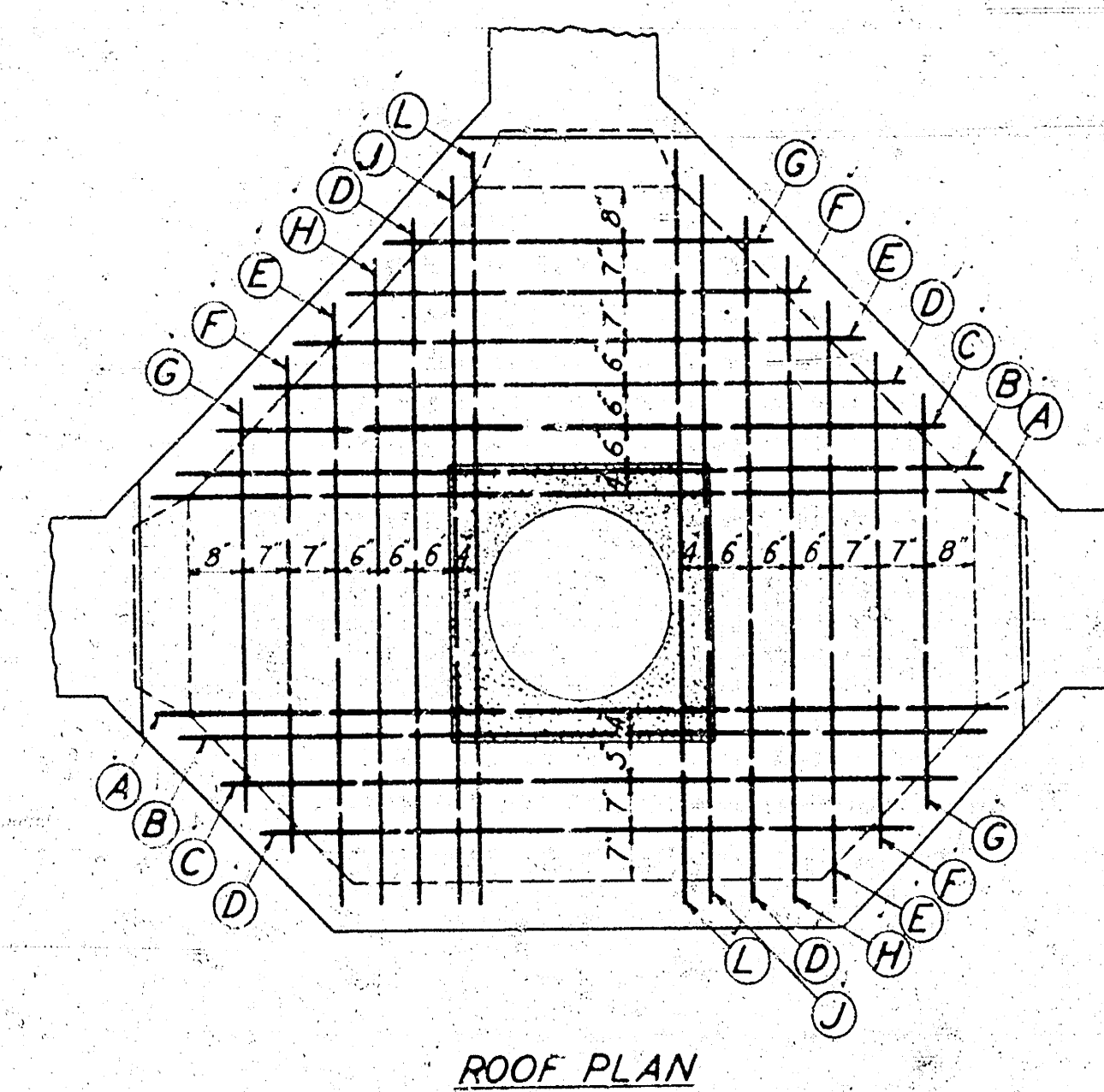
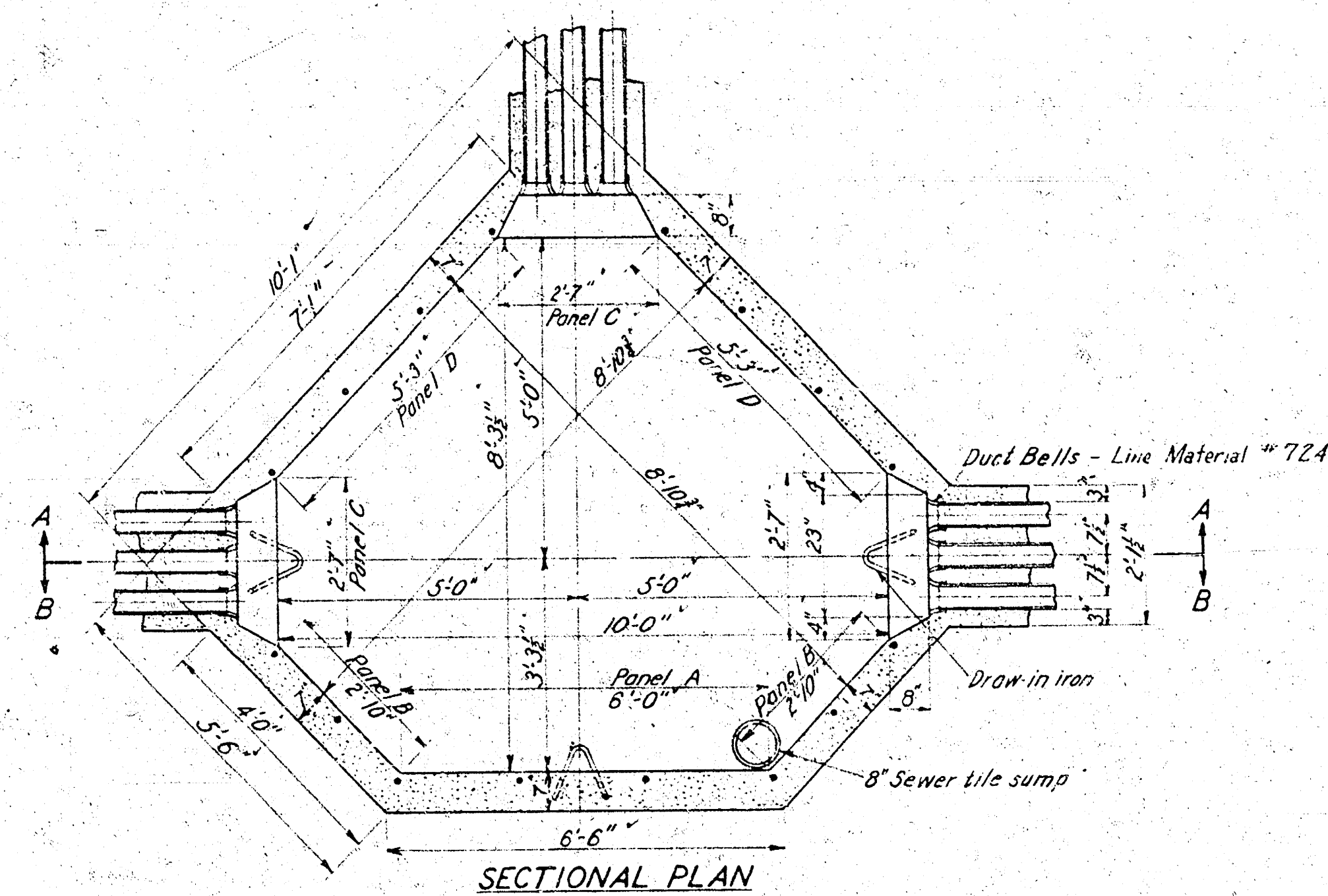


STEEL SCHEDULE					
Mark	Reqd	Size	Length	Position	Remarks
A	4	$\frac{3}{4}$ "	10'-9"	Roof	Straight
B	4	"	10'-3"	"	"
C	4	"	9'-3"	"	"
D	4	"	8'-3"	"	"
E	4	"	7'-3"	"	"
F	4	"	6'-0"	"	"
G	4	"	5'-0"	"	"
H	16	$\frac{1}{2}$ "	7'-6"	Panel D (vert)	
J	28	"	6'-7"	Panel D (horz)	See Detail "J"
K	16	"	1'-6"	Dowels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

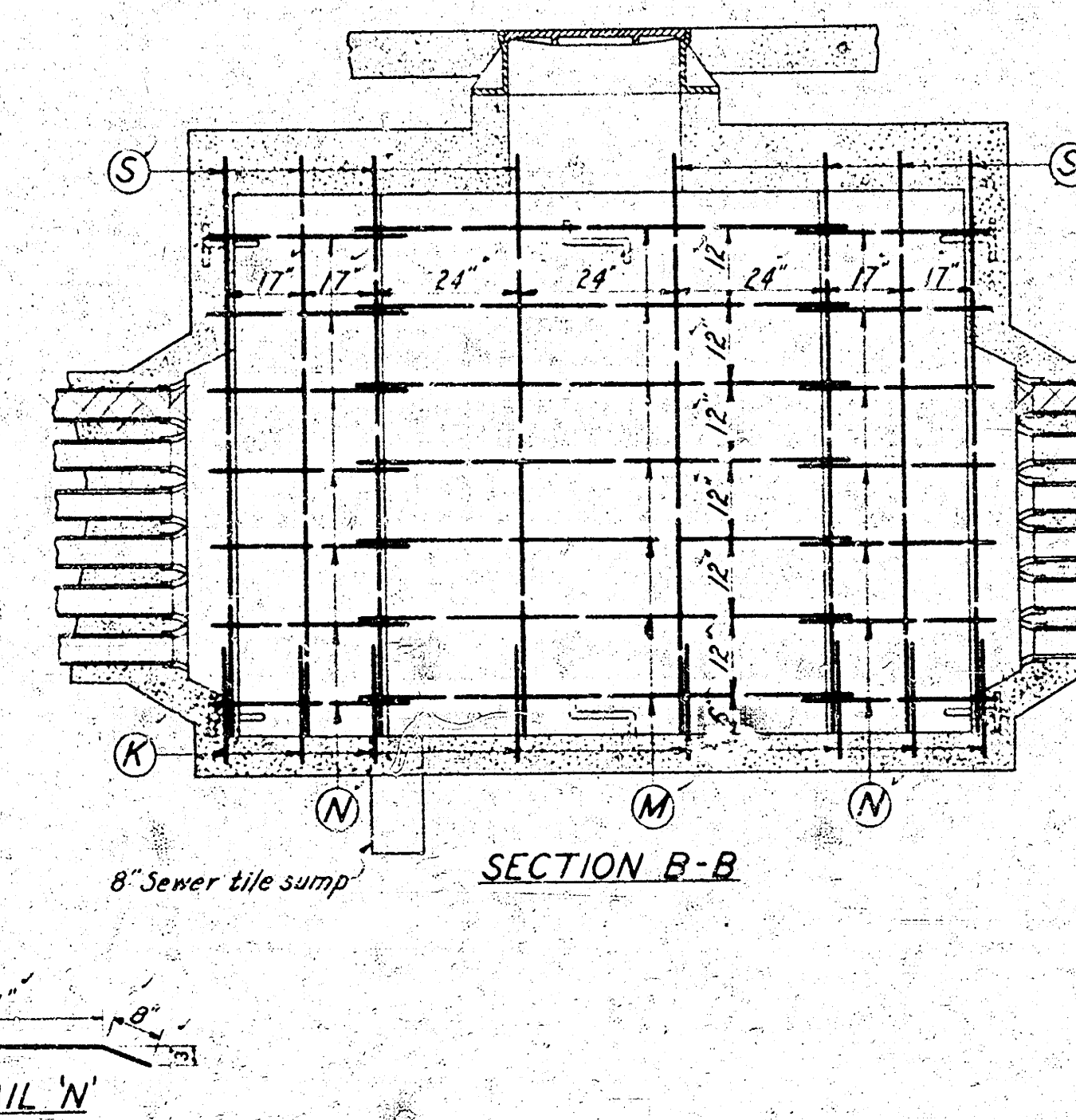
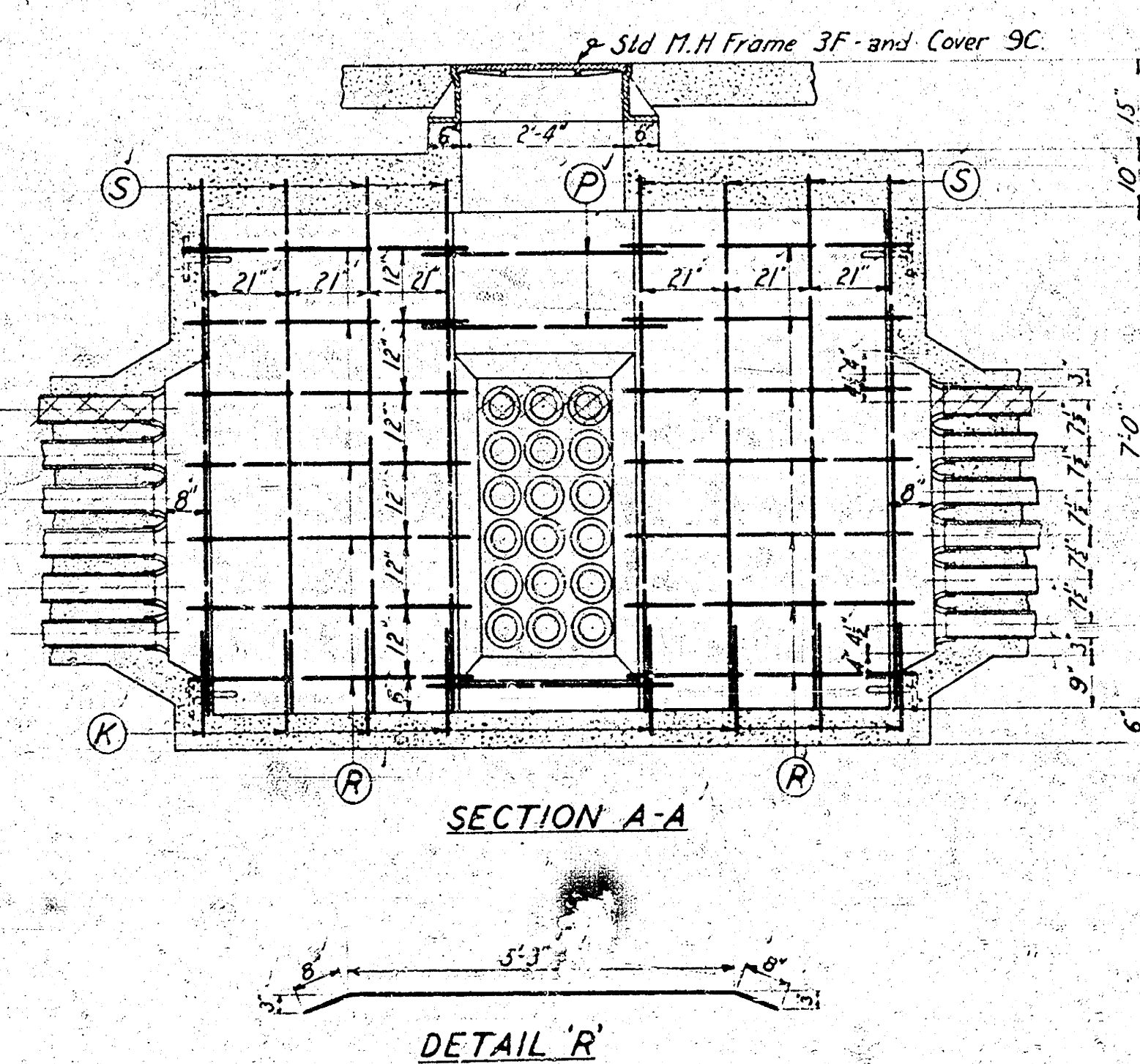
WICHITA UNDERGROUND SYSTEM
FOUR WAY MANHOLE
KORDUCT DUCT-BANK-3 WIDE
FEBRUARY 3, 1931 SCALE 1/2"=1'-0"
APPROVED *C. J. [Signature]* ENGINEER
KANSAS GAS AND ELECTRIC COMPANY
WICHITA, KANSAS

KD-1749

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



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	"

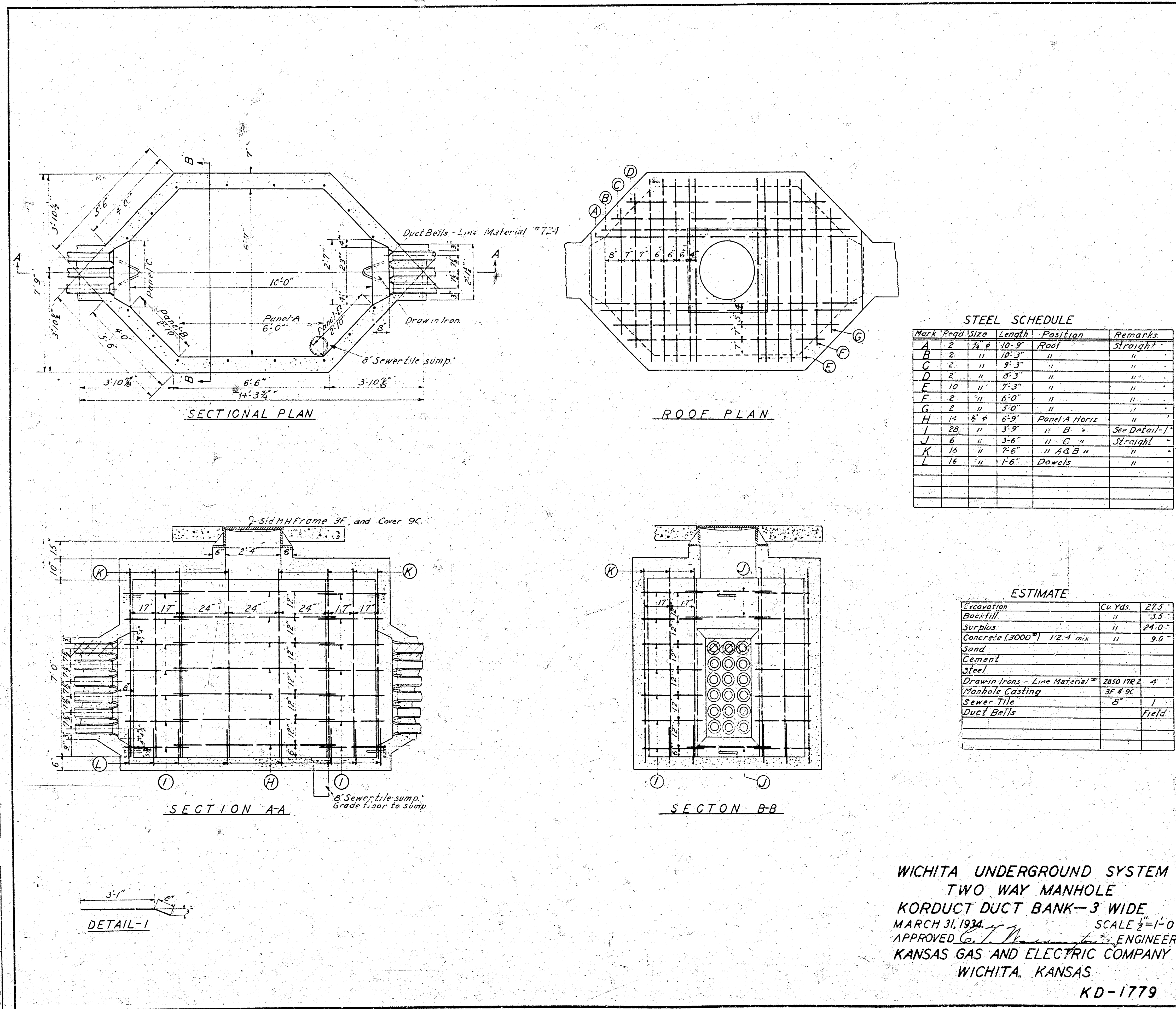


ESTIMATE		
Excavation	Cu. Yd.	29.8
Backfill	"	1.4
Surplus	"	26.4
Concrete (3000*)	1 1/2" x 6" mix	10.5
Draw in Irons - Line Material	2850 IIR 2	6
Frame and Cover	3F 4 9C	
Duct Bells	Field	
Sewer Tile (6")		1

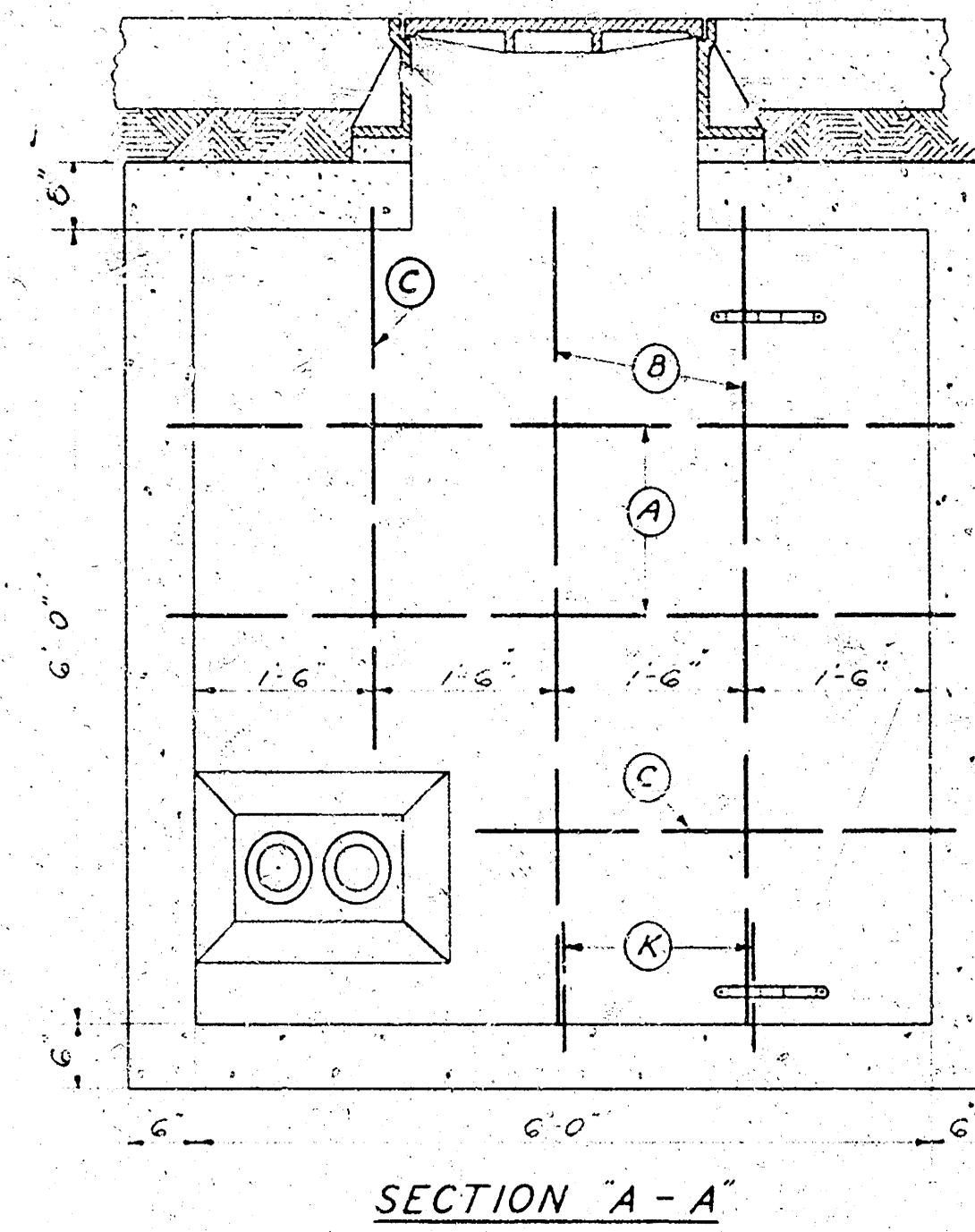
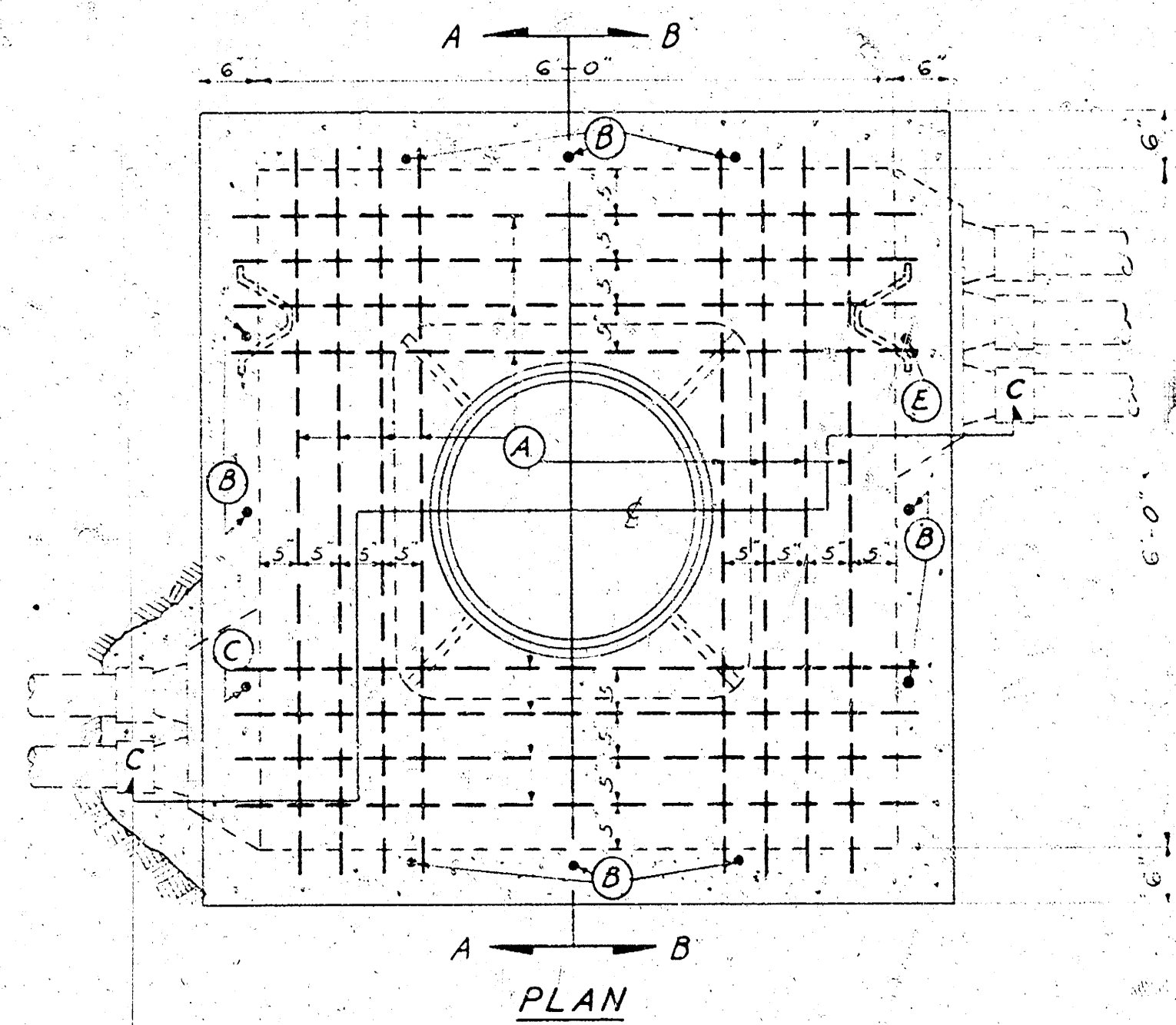
Note:
Grade floor to sump.
Steel to be not less than 1/8" from face of concrete.

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

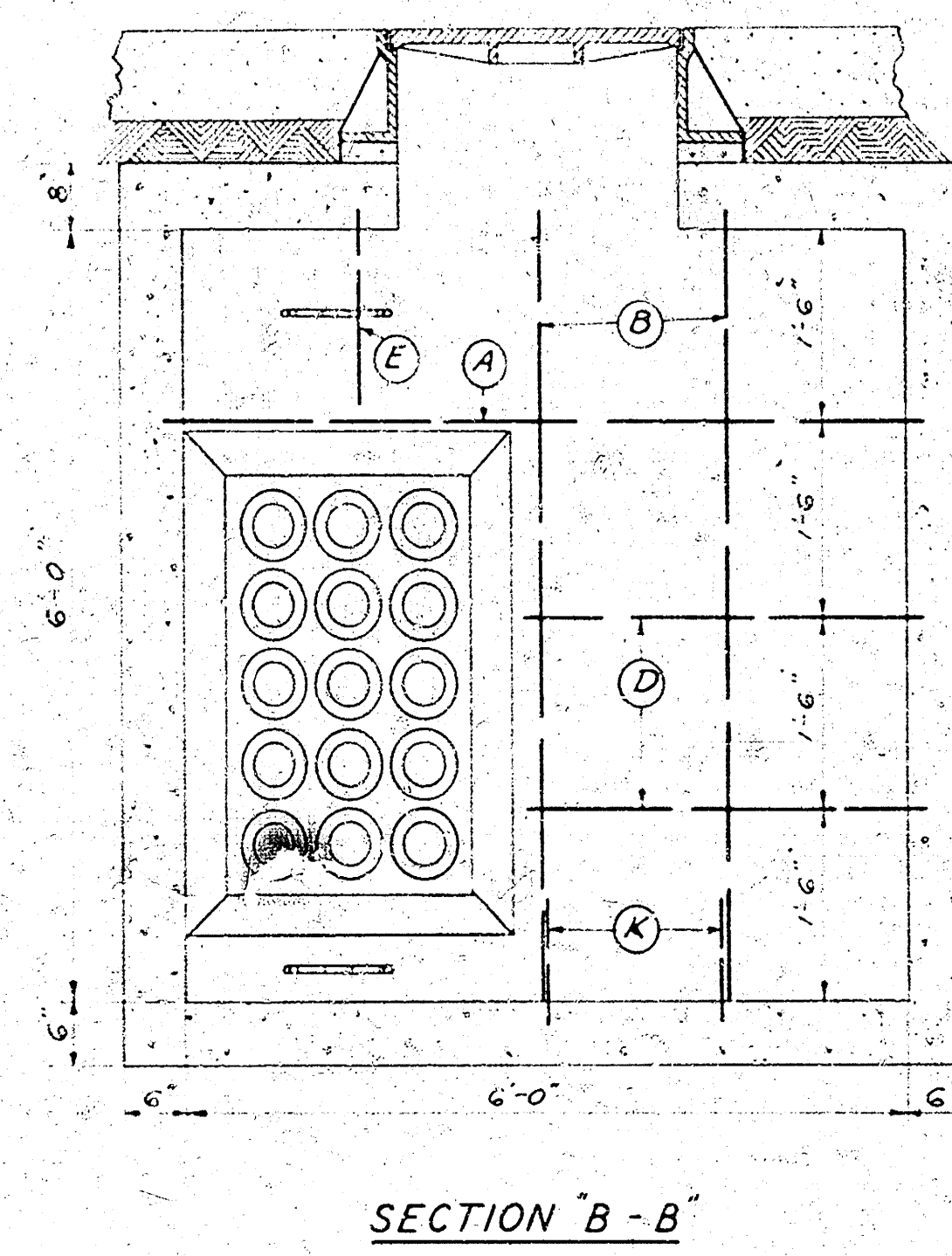
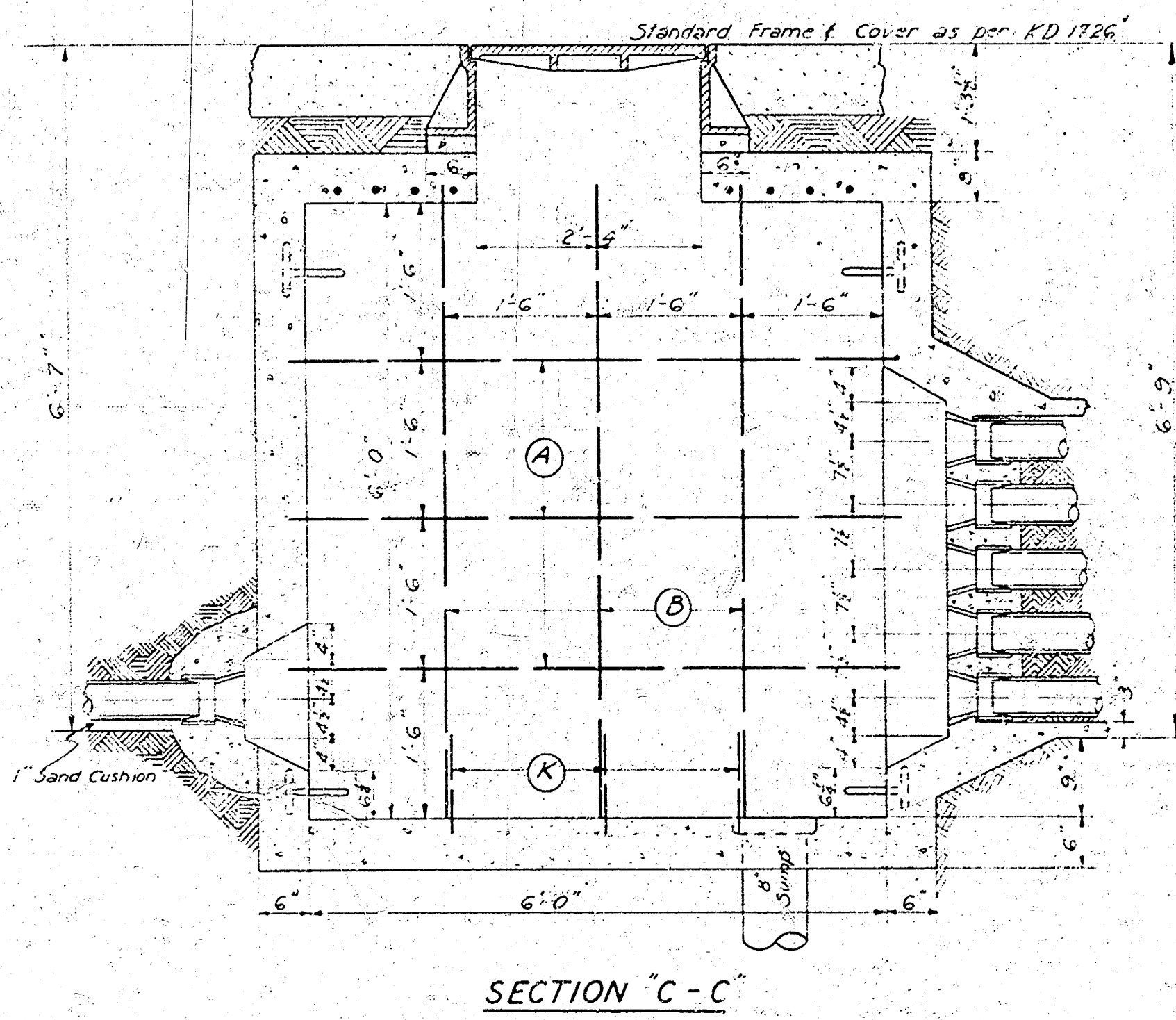


WICHITA UNDERGROUND SYSTEM
 TWO WAY MANHOLE
 KORDUCT DUCT BANK-3 WIDE
 MARCH 31, 1934 SCALE 1/2"=1'-0"
 APPROVED *C. T. McManister* ENGINEER
 KANSAS GAS AND ELECTRIC COMPANY
 WICHITA, KANSAS
 KD-1779



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.
7-27-35				
7-27-35				
7-27-35				
7-27-35				

APPROVED
DATE 7-31-35 ENGINEER