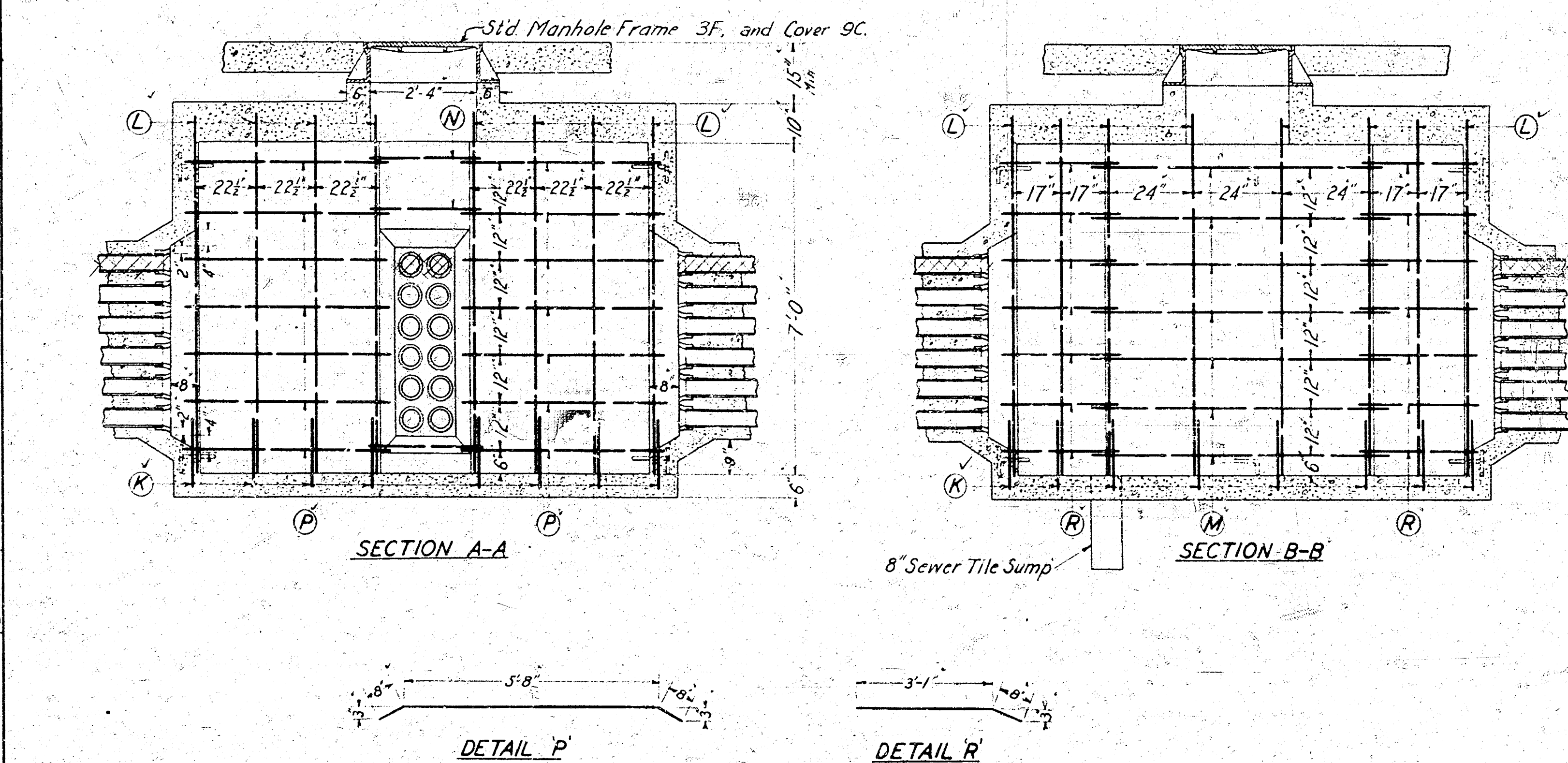




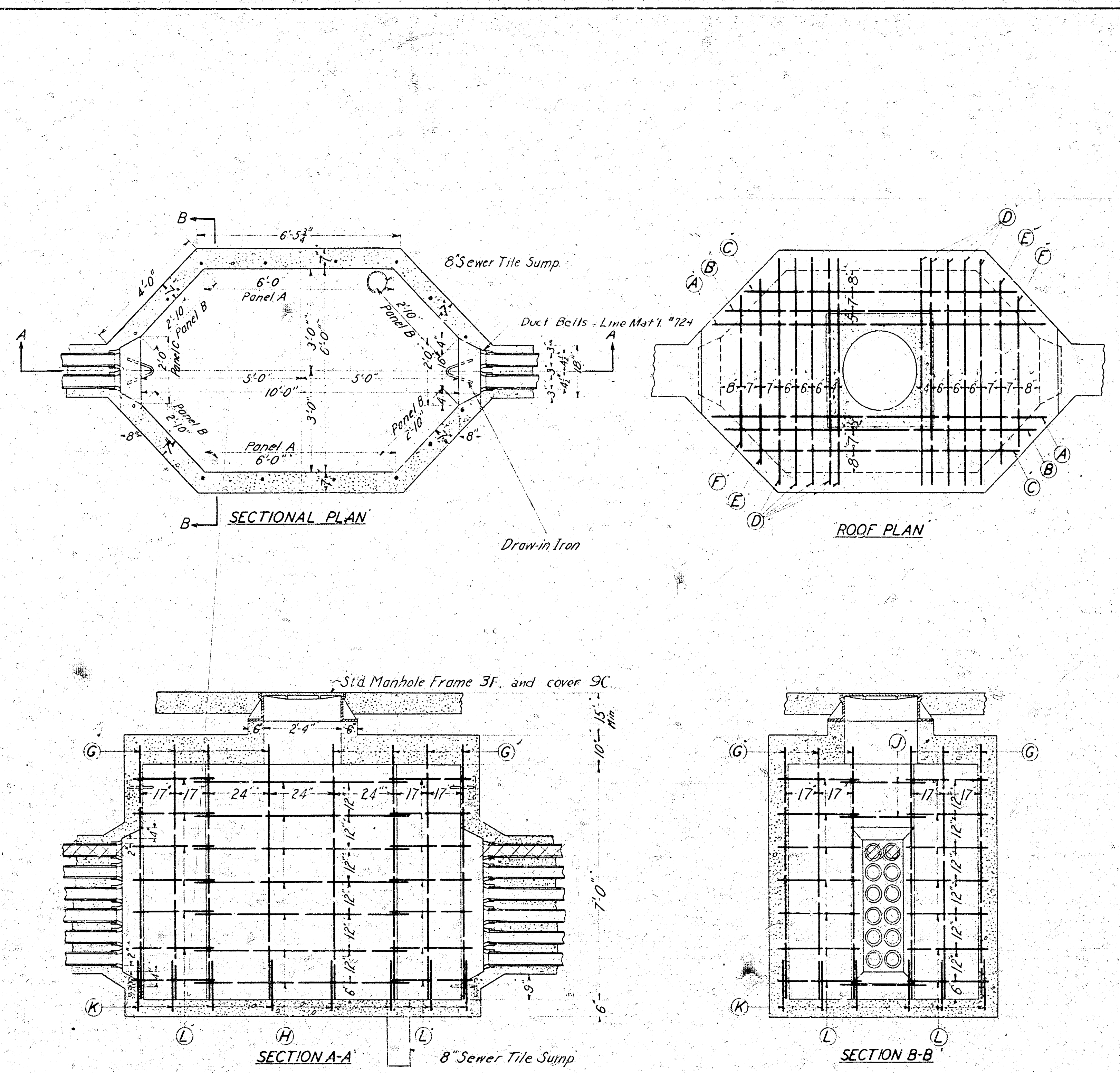
| <u>STEEL SCHEDULE</u> |      |      |        |                    |              |
|-----------------------|------|------|--------|--------------------|--------------|
| Mark                  | Reqd | Size | Length | Position           | Remarks      |
| A                     | 2    | 1/2" | 10'-6" | 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 I |
| R                     | 14   | "    | 3'-9"  | Panel E (horz)     | See Detail I |

| <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 |

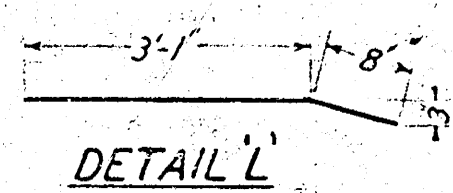
|            |         |         |
|------------|---------|---------|
| DRAWN BY   | 284     | 12-2-50 |
| TRACED BY  | 284     | 12-2-50 |
| CHECKED BY | 12-1-51 |         |



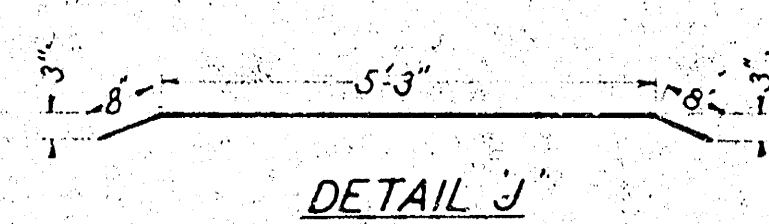
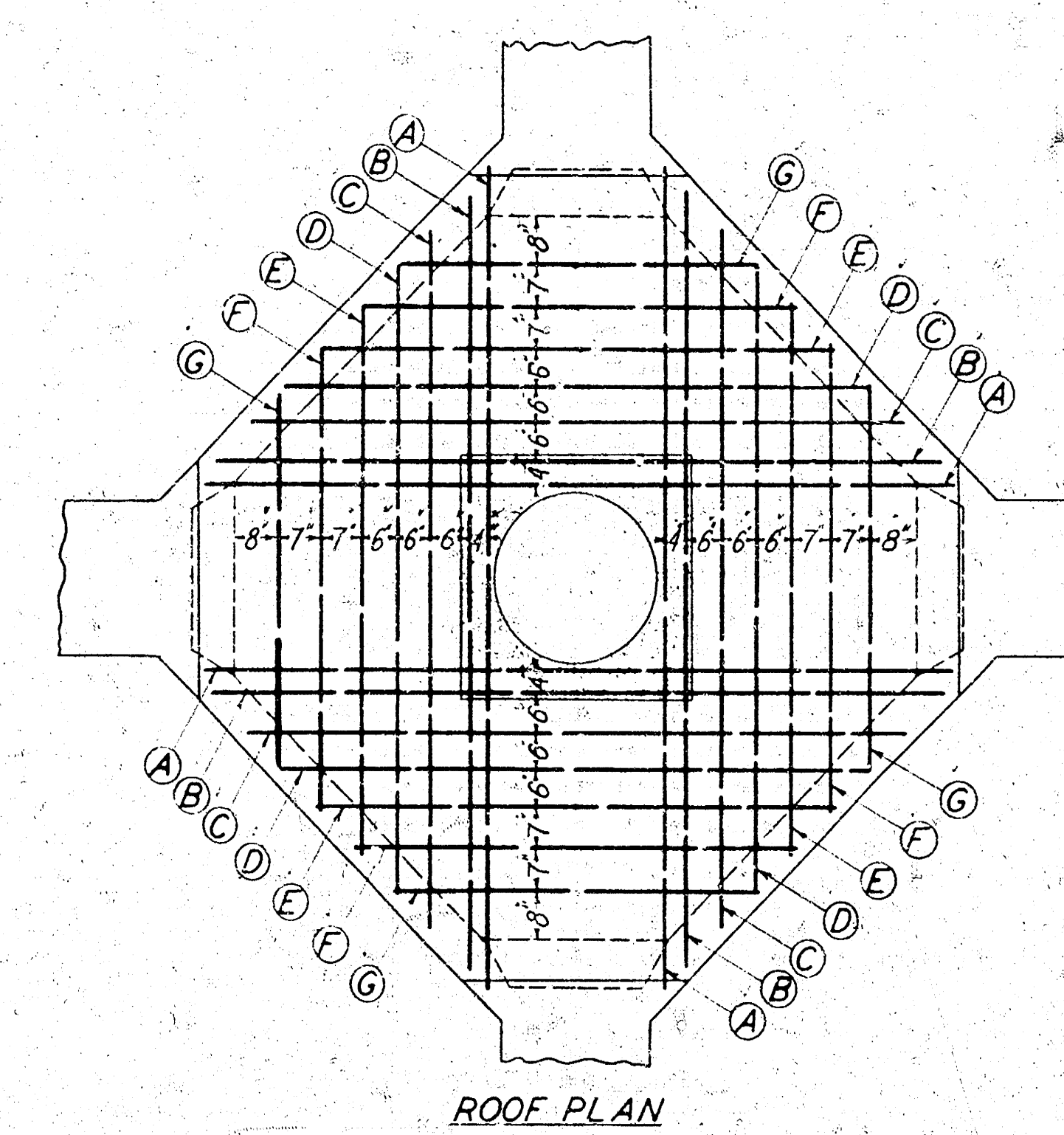
| Mark | Rein. Size | Length | Position        | Remarks      |
|------|------------|--------|-----------------|--------------|
| A    | 2          | 10'-6" | Roof            | Straight     |
| B    | 2          | 9'-9"  | "               | "            |
| C    | 2          | 8'-9"  | "               | "            |
| 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 NR 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, 1930 SCALE 1/2" = 1'-0"  
APPROVED *[Signature]* ENGINEER  
KANSAS GAS AND ELECTRIC COMPANY  
WICHITA-KANSAS  
KD-1745



| Mark | Reqd | Size   | Length | Position       | Remarks      |
|------|------|--------|--------|----------------|--------------|
| "    | 4    | 2 1/2" | 10' 3" | Roof           | Straight     |
| E    | 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   | 2 1/2" | 7' 6"  | Panel D (vert) | "            |
| J    | 28   | 6"     | 7' 6"  | Panel D (horz) | See Detail J |
| A    | 16   | "      | 1' 6"  | Dowels         | Straight     |
| L    | 12   | "      | 3' 6"  | Panel C (horz) | "            |

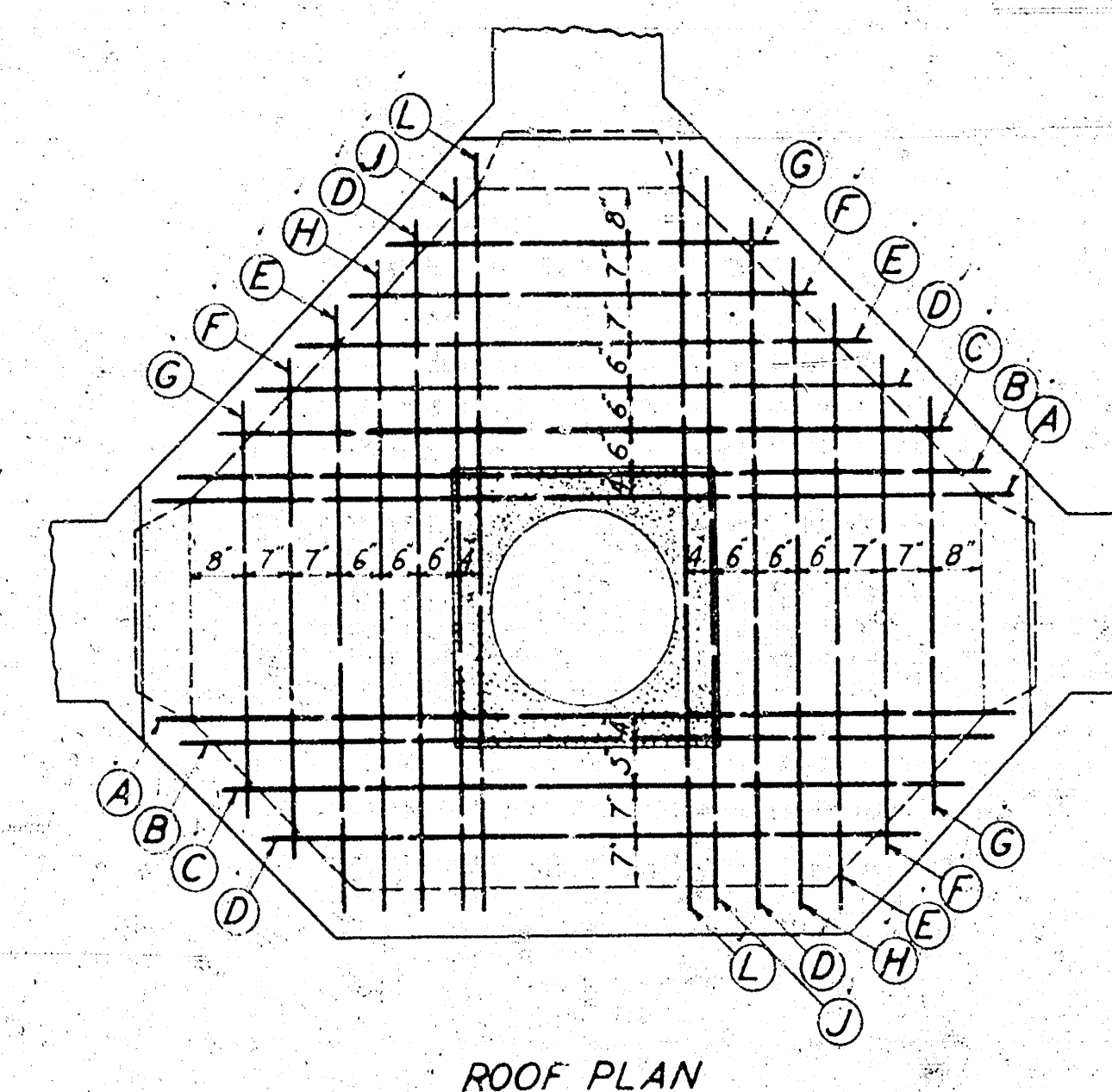
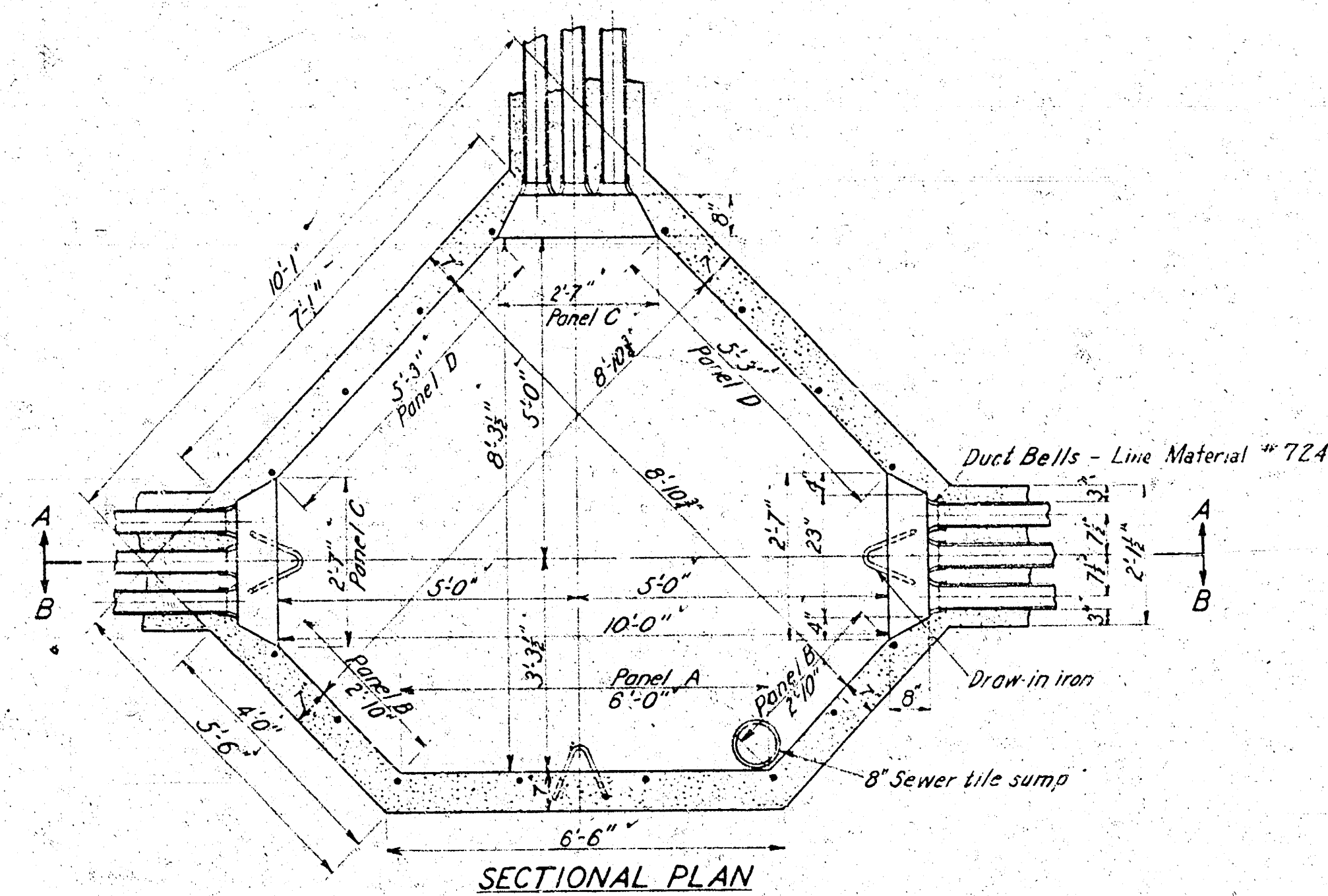
WICHITA UNDERGROUND SYSTEM  
FOUR WAY MANHOLE  
KORDUCT DUCT-BANK-3 WIDE  
FEBRUARY 3, 1931 SCALE 1/2"=1'-0"  
APPROVED: C. J. [Signature] ENGINEER  
KANSAS GAS AND ELECTRIC COMPANY  
WICHITA, KANSAS

KD-1749

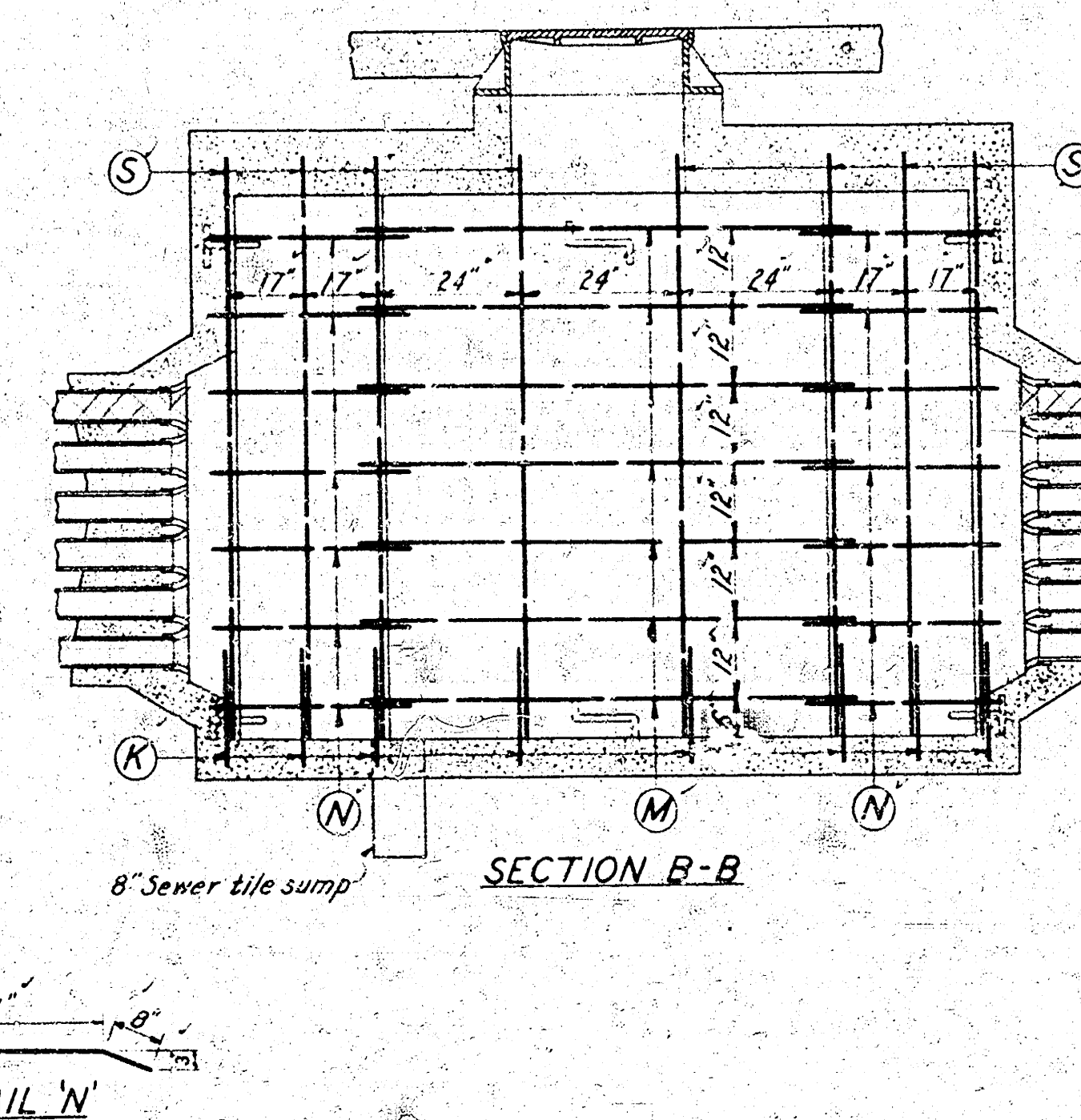
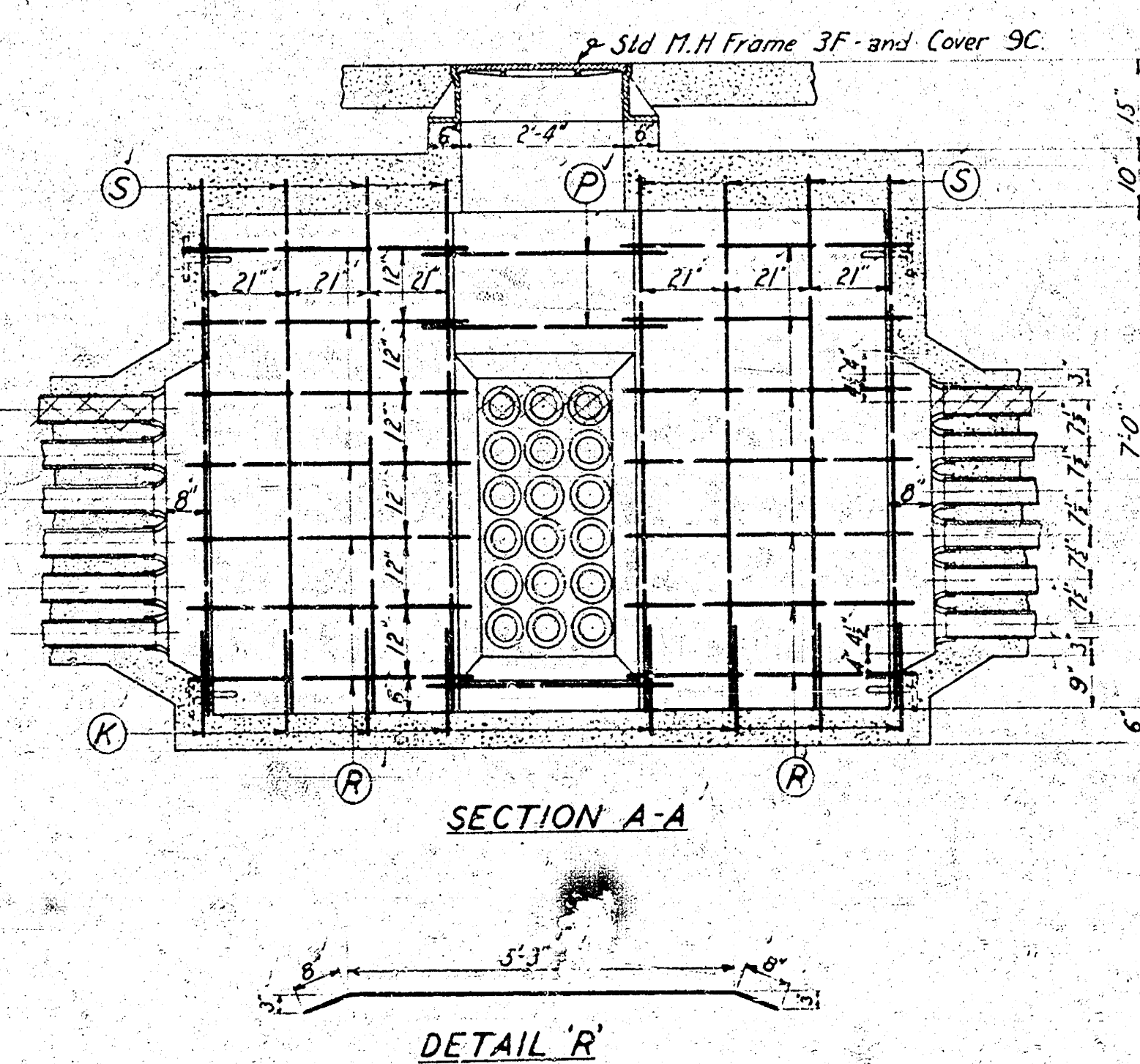
|         |                  |  |    |             |
|---------|------------------|--|----|-------------|
| 8-15-51 | General Revision |  |    |             |
| DATE    | REVISION         |  | BY | CHK'D. APP. |

|            |      |              |
|------------|------|--------------|
| 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" | 8'-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              | "            |



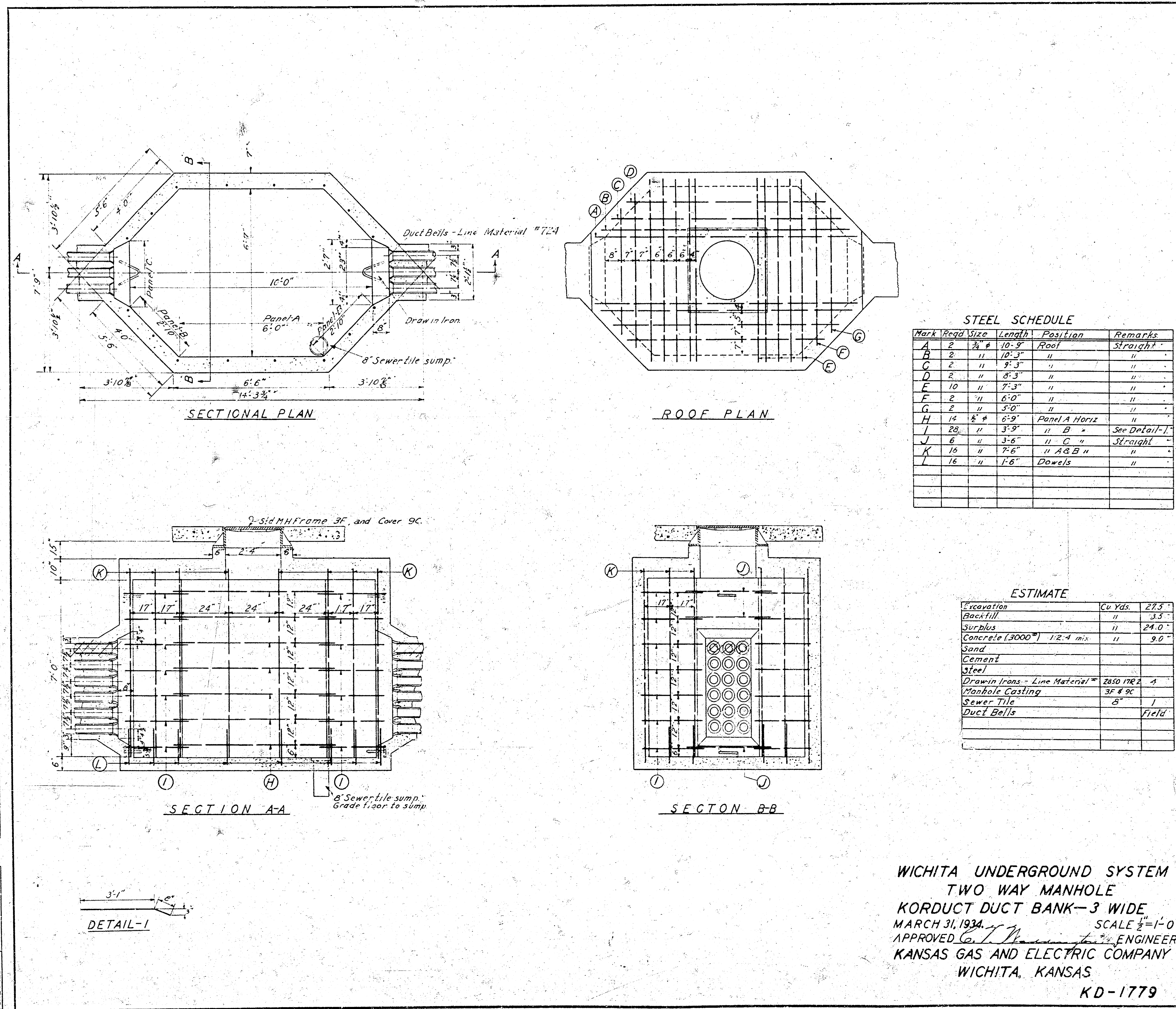
| ESTIMATE                      |                    |
|-------------------------------|--------------------|
| Excavation                    | Cu. Yd. 29.8       |
| Backfill                      | " 1.4              |
| Surplus                       | " 26.4             |
| Concrete (3000*)       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

| DATE    | REVISION | BY       | CHKD     |
|---------|----------|----------|----------|
| 10/1/31 | 1        | W. J. H. | W. J. H. |

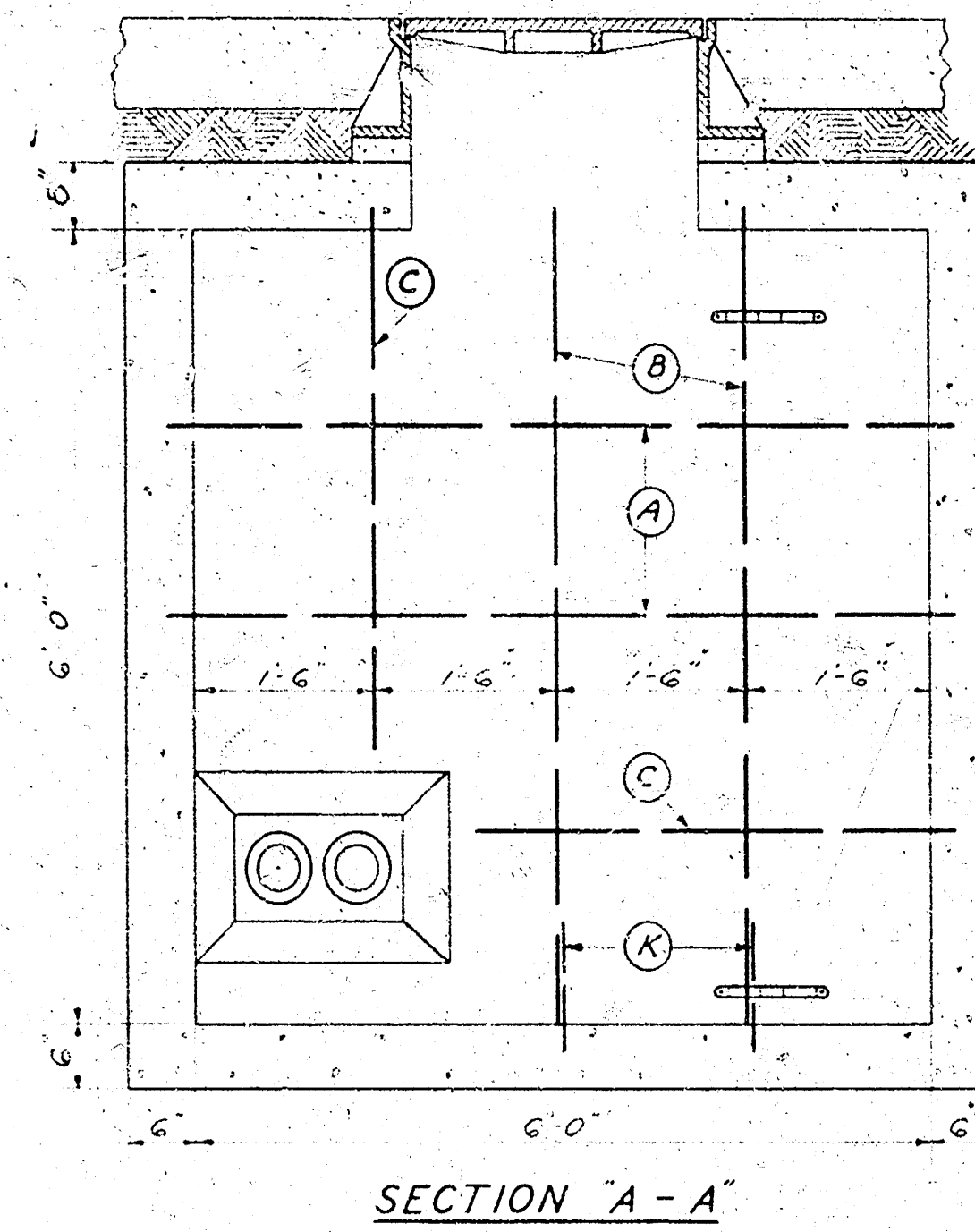
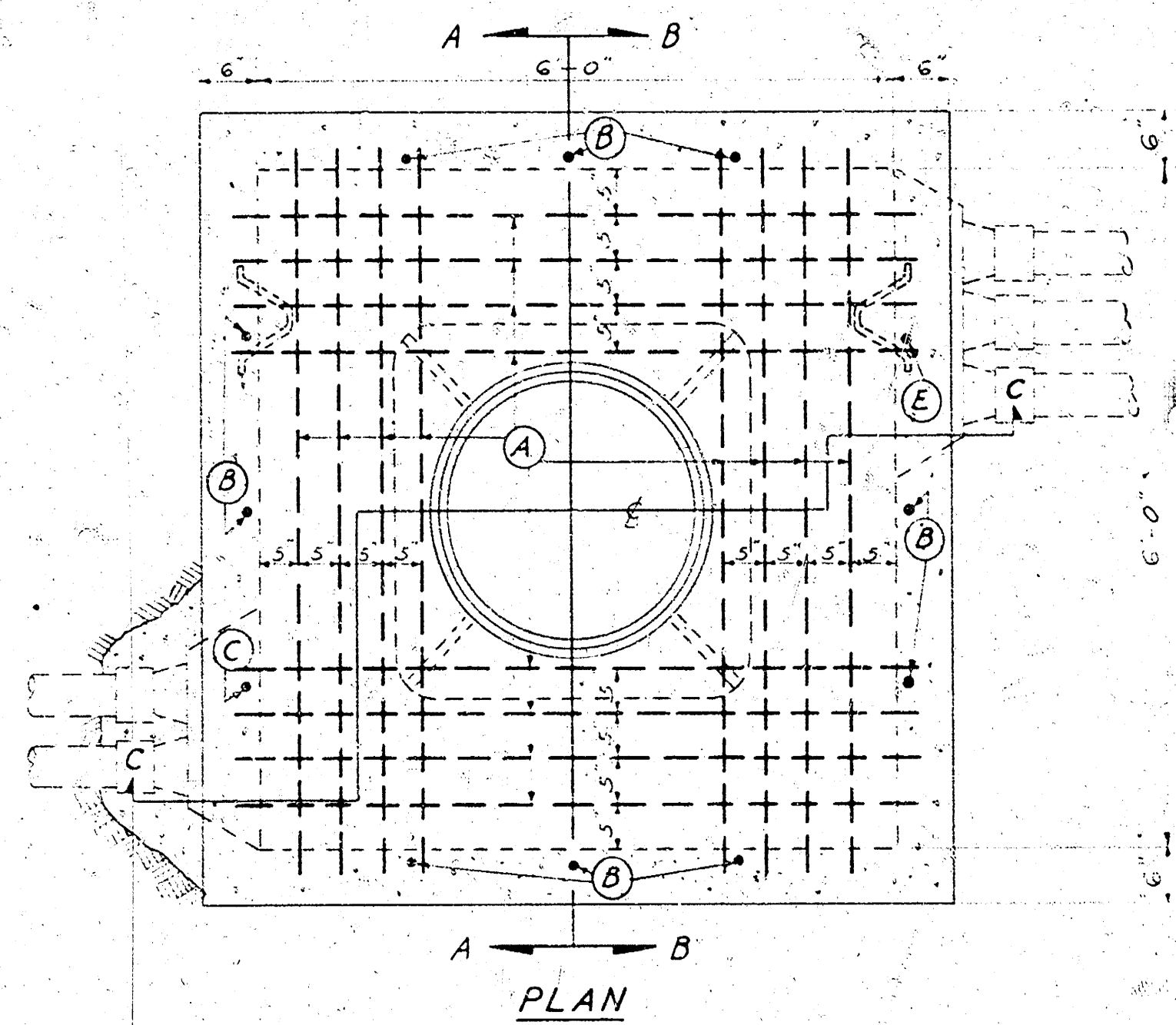
| DATE    | REVISION | BY       | CHKD     |
|---------|----------|----------|----------|
| 10/1/31 | 1        | W. J. H. | W. J. H. |

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

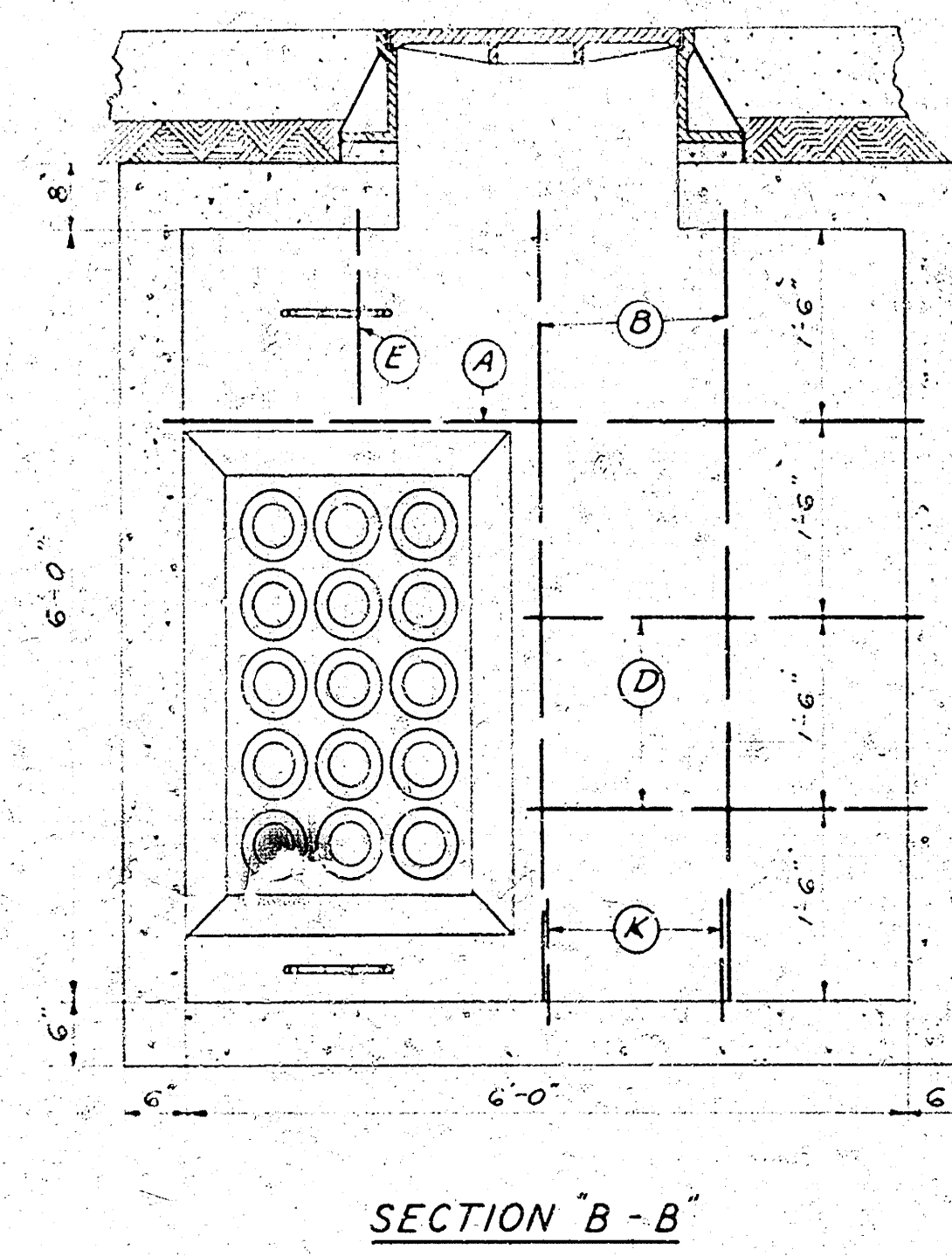
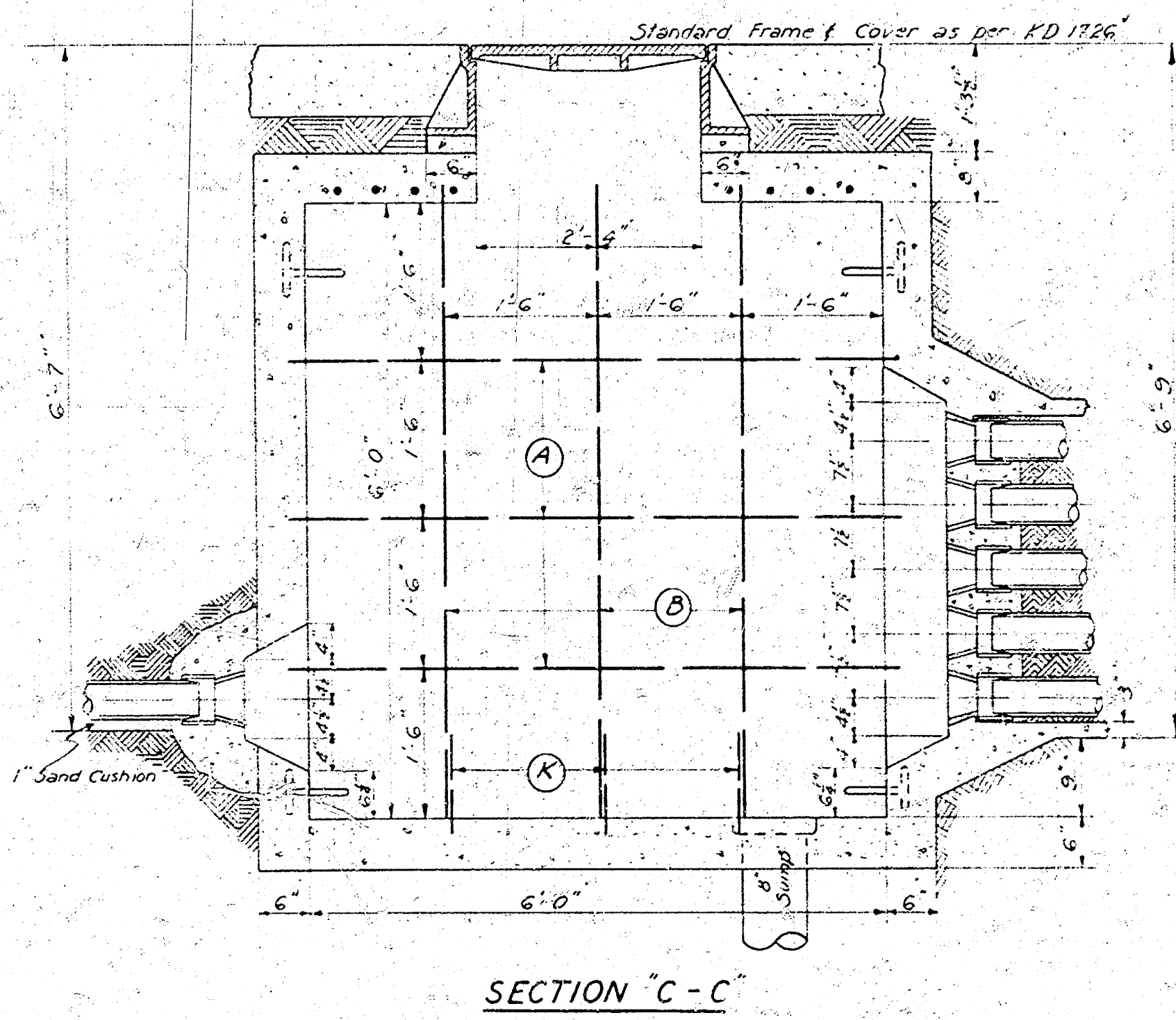


WICHITA UNDERGROUND SYSTEM  
TWO WAY MANHOLE  
KORDUCT DUCT BANK-3 WIDE  
MARCH 31, 1934 SCALE 1/2"=1'-0"  
APPROVED *C. T. McManister* ENGINEER  
KANSAS GAS AND ELECTRIC COMPANY  
WICHITA, KANSAS  
KD-1779



| 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                   | 3.2 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 |          |    |       |       |

APPROVED  
DATE 7-31-35 ENGINEER