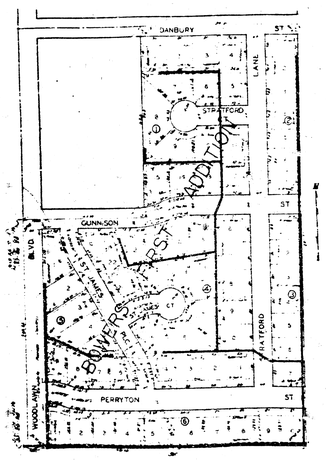
PLANS

# SANITARY SEWER SYSTEM

PROJECT NO. DBKW 706057



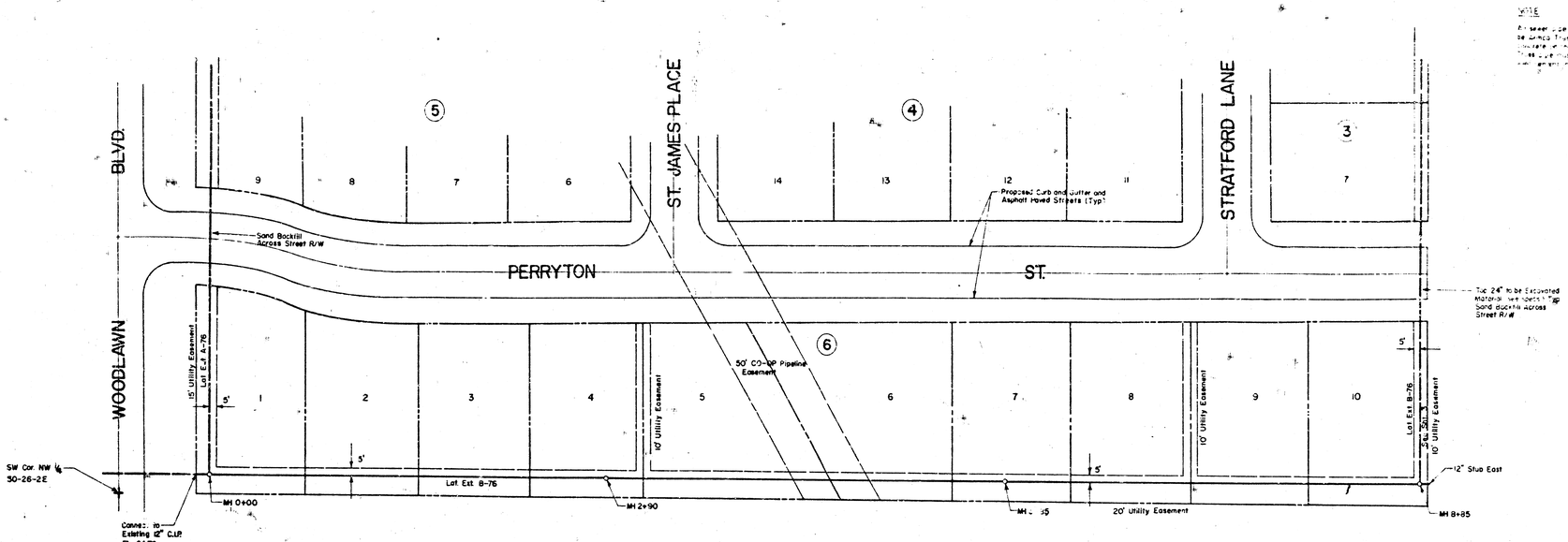

11-7-

NOTE TO CI

REISS & CONNELLY ENGINEERS
2360 WEST 21ST
WICHITA, KANSAS
(316) 522-1533

| REVISION | DRAWN BY | CHECKED BY | DESIGNED BY | PROJECT |
|---|---|---|---|---|
| | R.E.M. 10-28-75 | | W.H.L. | G. STOWER Bowers 1st Add. Bel Air Imp. Dist. |

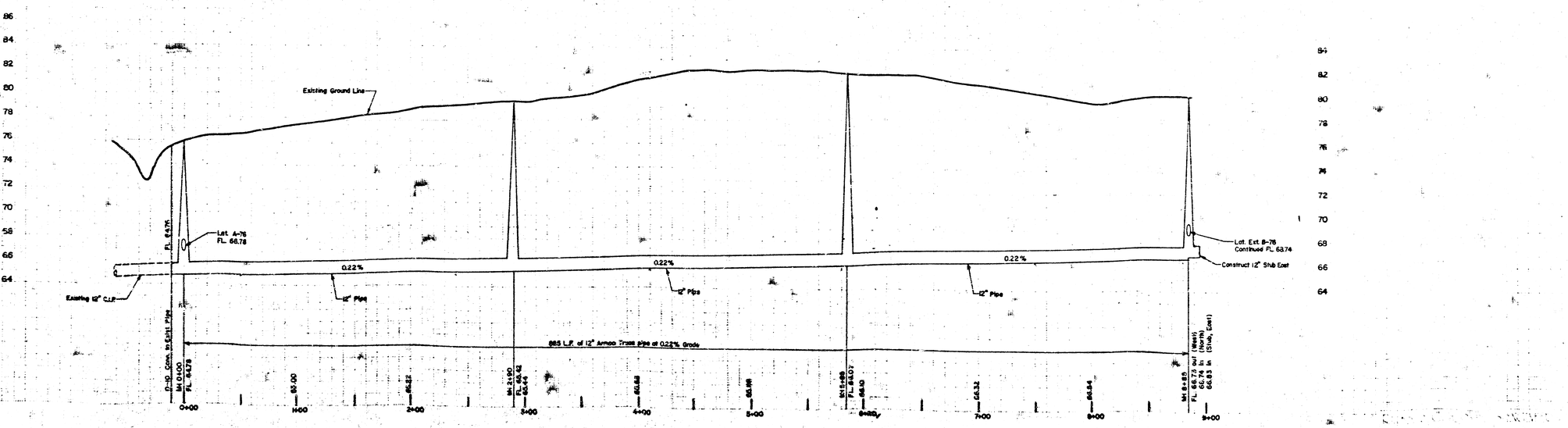
PROJECT NO. SEW-2616
DATE 10-75 SHEET 1 OF 8




NOTE

All manholes to be standard type A or C (4' dia.) unless otherwise noted on plans.

## LAT. EXT. B-76

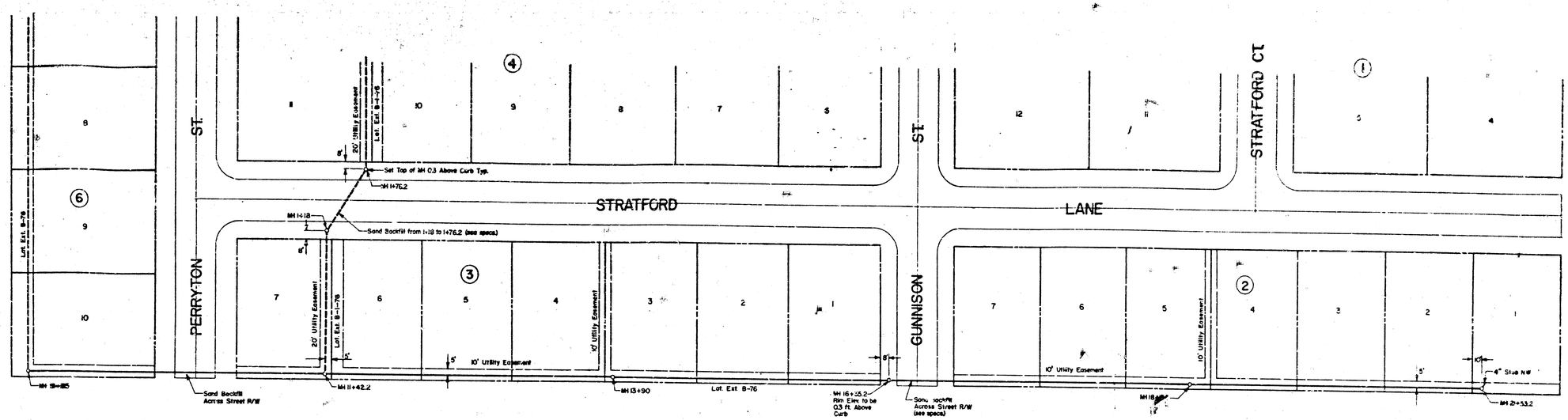


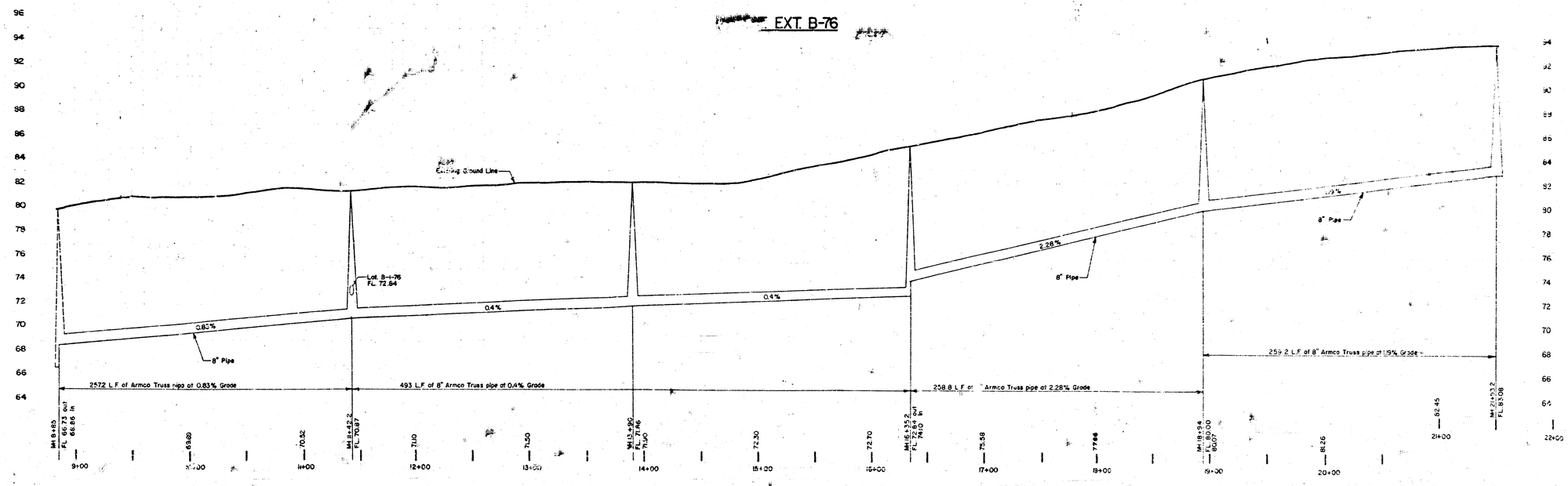

| | | | | | | |
|---|---|---|---|---|---|---|
| 10-20-76 | | | | | | |
| 11-4-76 | 10-25-76 | R.E. ok | 10-5-76 | DRAWN BY | CHECKED BY | **Sanitary Sewer Extension** |
| 11-8-76 | 11-1-76 | | | K. Hill | | |

**Bel Air Imp. Dist. Bowers 1st Add.**

SEW-28/8

Sheet 2 of 8

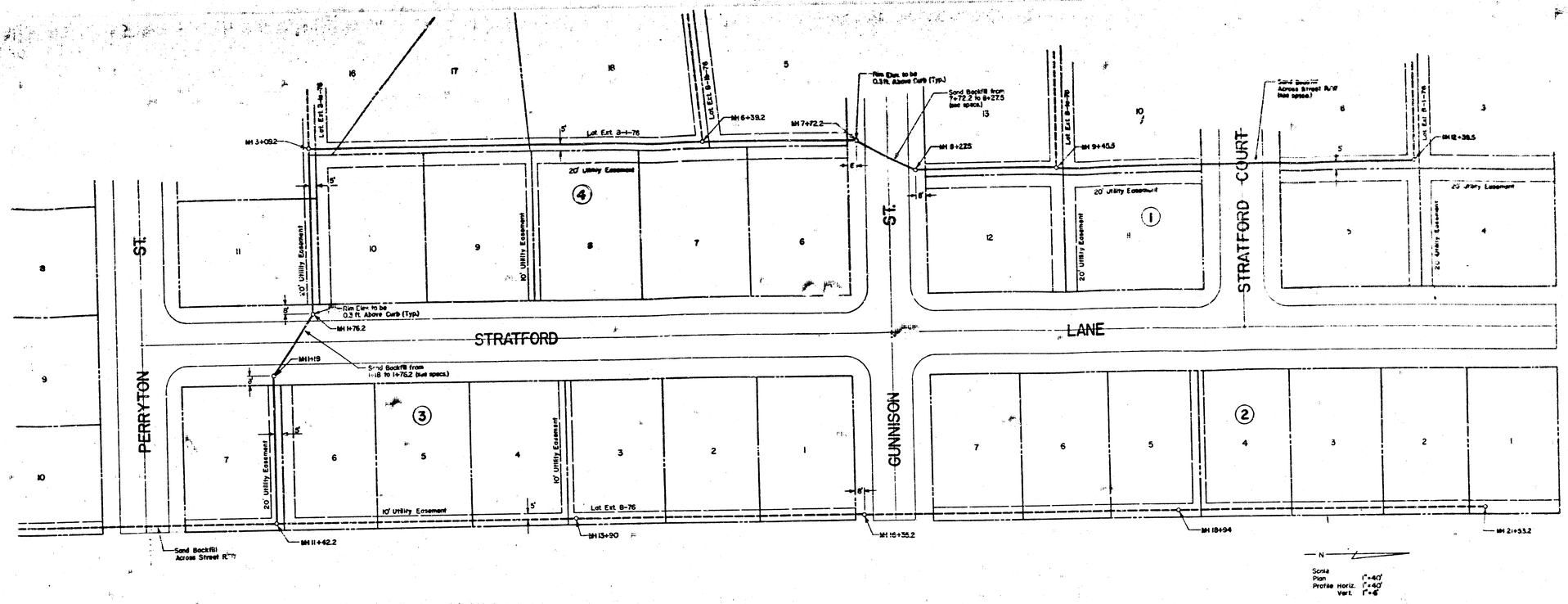


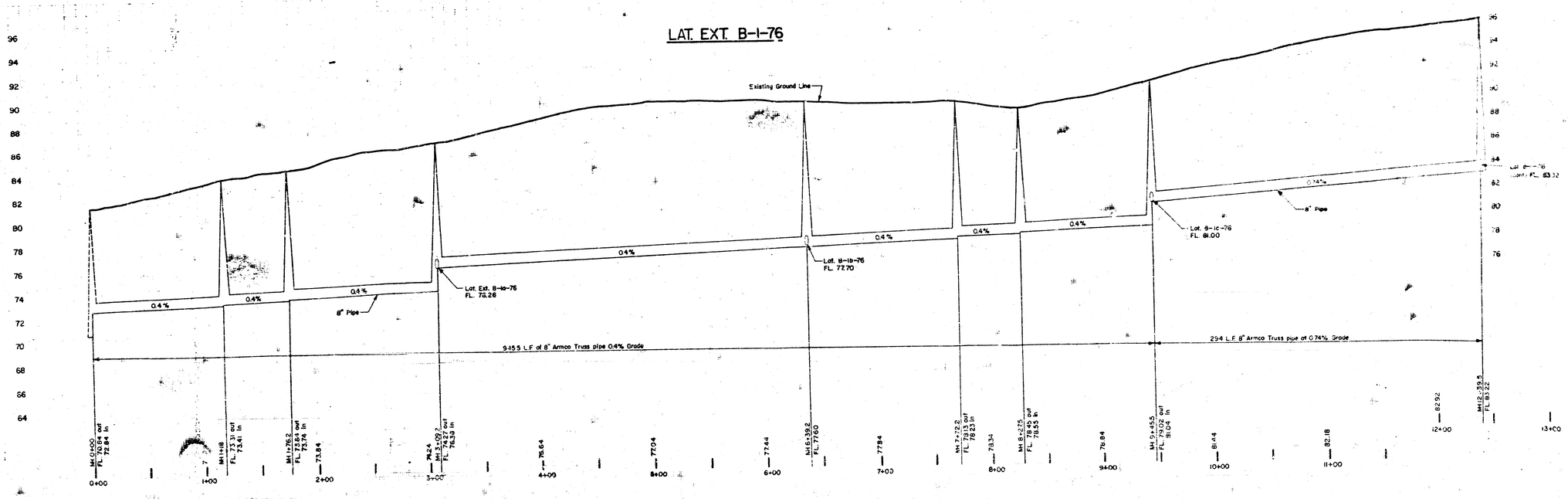




10-21-76
10-26-76 R E M 10-4-76
11-1-76

**Sanitary Sewer Extension** **Bel Air Imp. Dist. Bowers 1st Add.**

Var. SEW-2876
10-26-76 3 8



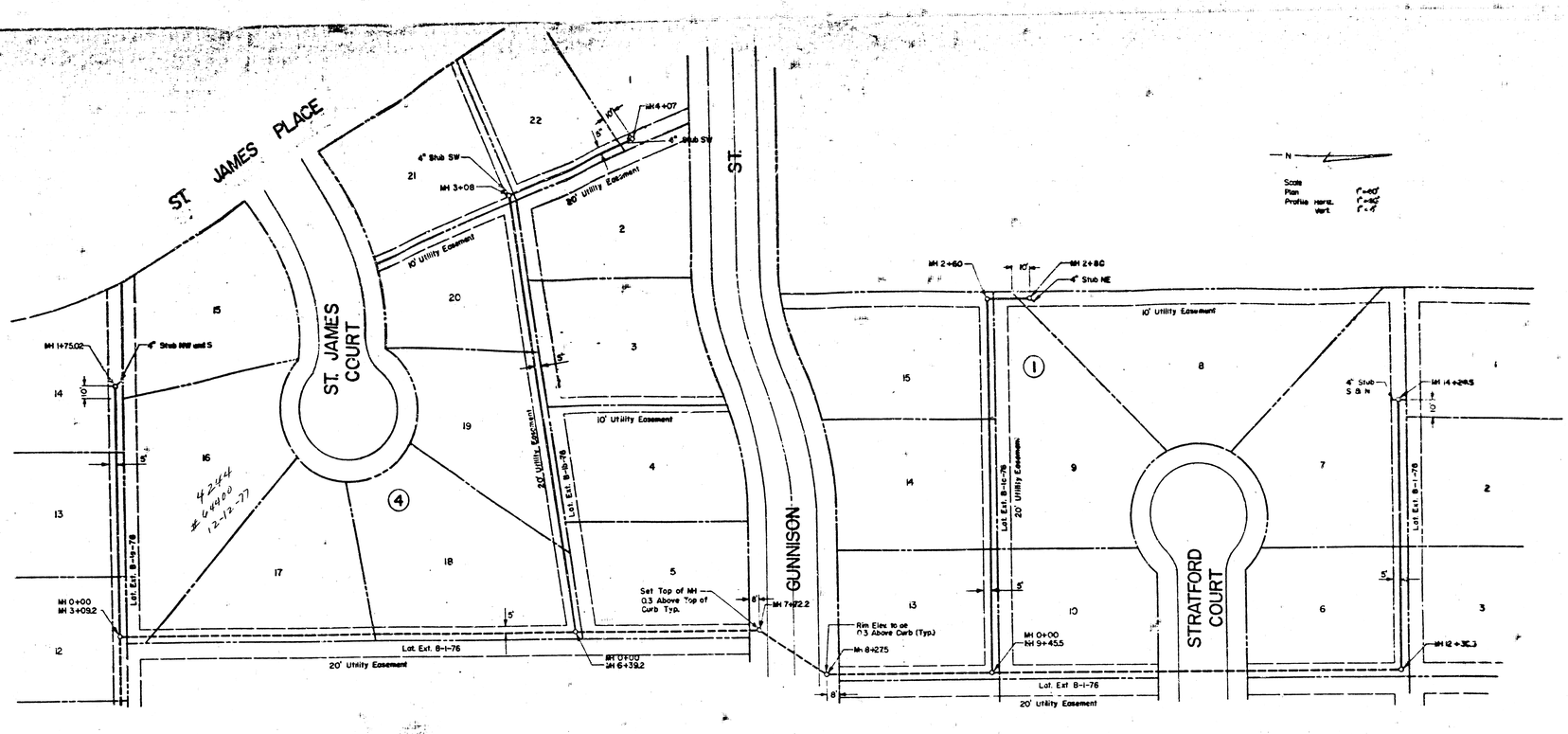




11-9-76 10-28-76 11-2-76 11-4-76 R.E.M. 9-22-76 K. Hill

# Sanitary Sewer Extension

Bel Air Imp. Dist. Bowers 1st Add.

Var SE4-2876
10-26-76 4 8

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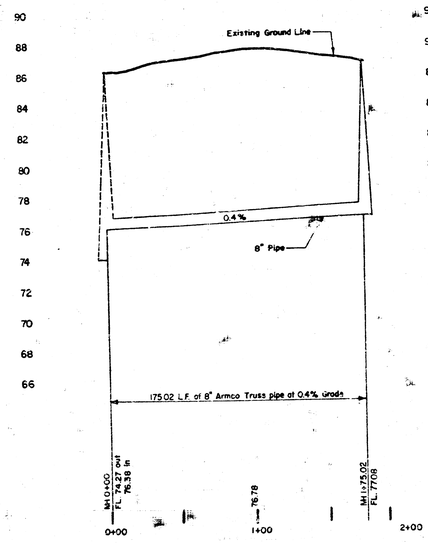


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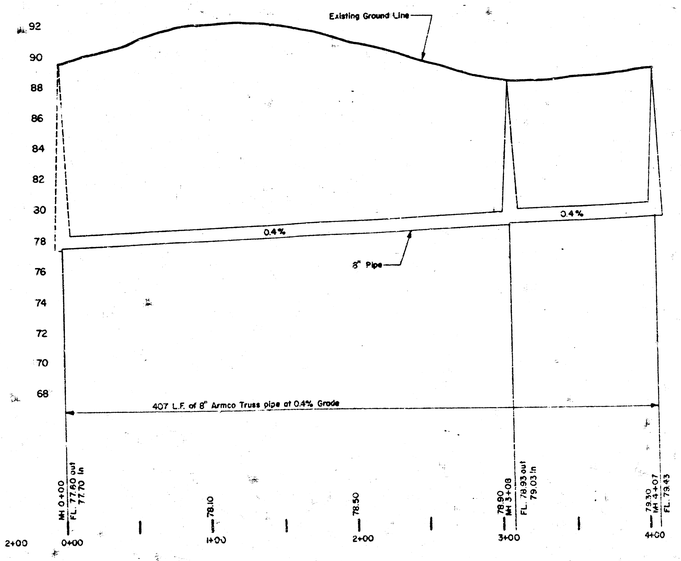


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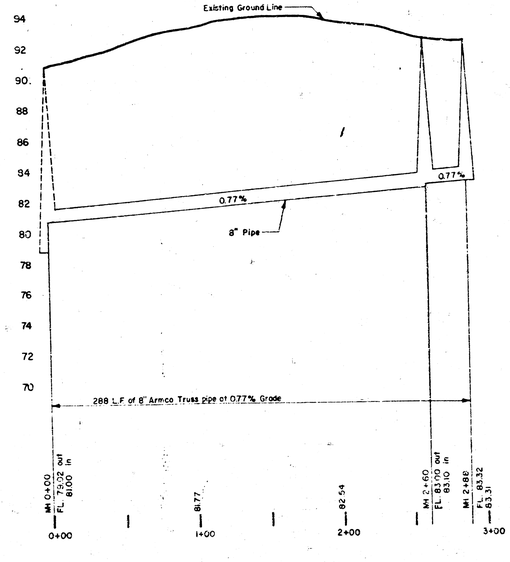


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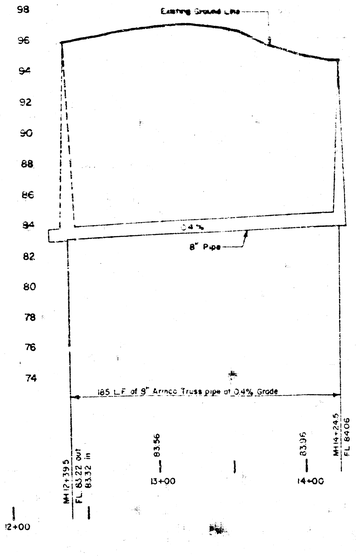
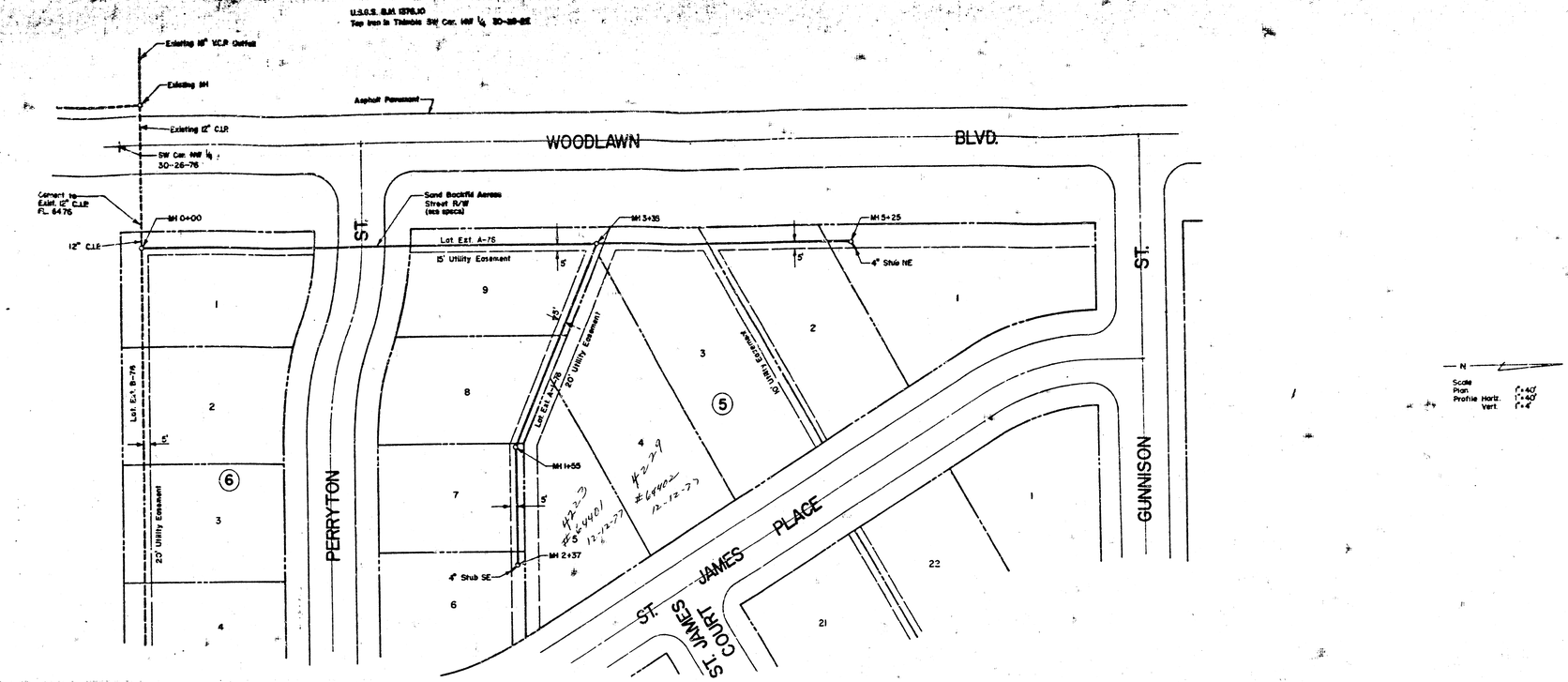



10-20-76
10-27-76 R.E.m. 9-20-74
11-2-76

K. Hill

# Sanitary Sewer Extension

Reivers 1st Add. — Del City Impr. Dist.

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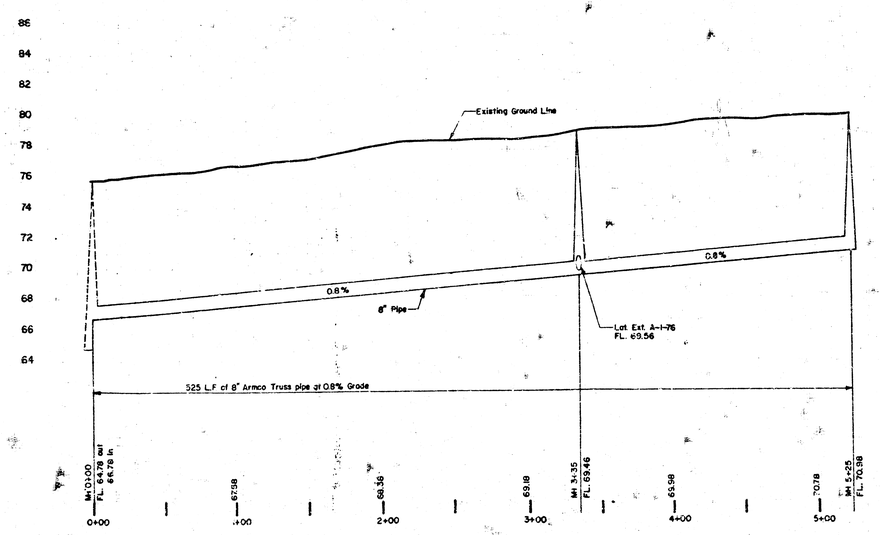


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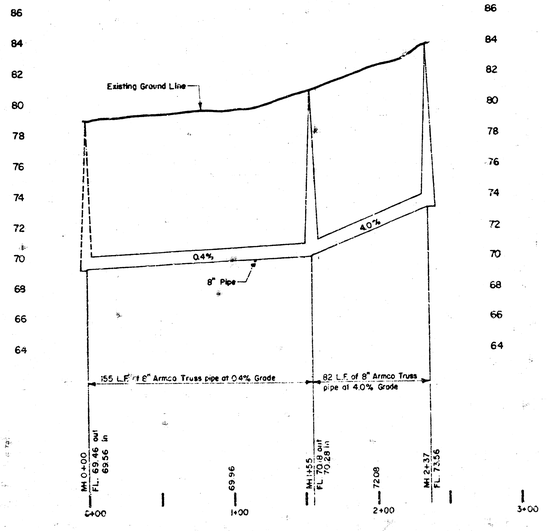


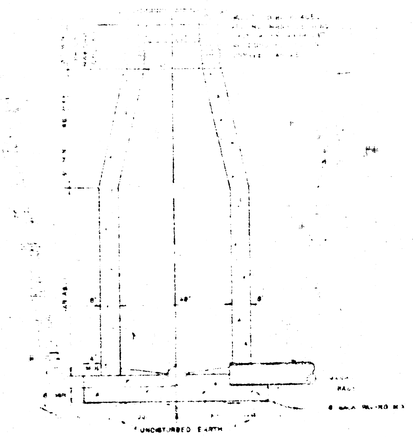

10-21-76
11-5-76 10-26-76 R.E.M. 9-21-76
11-9-76 11-2-76

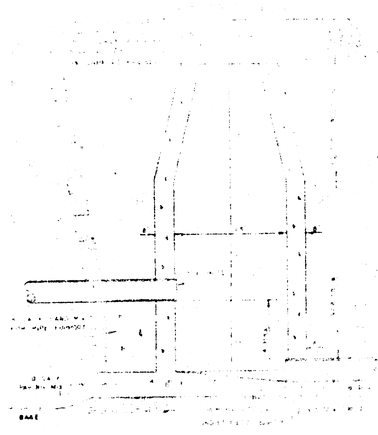
K. Hill

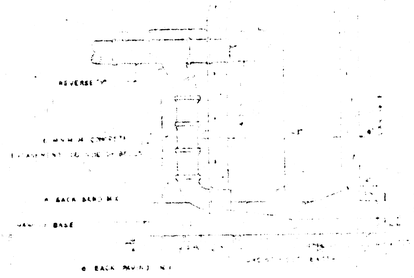
# Sanitary Sewer Extension

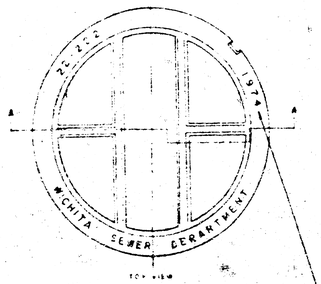
# Bowers 1st Add. Bel Air Imp. Dist.

SSM-2876
10-21-76 C-8

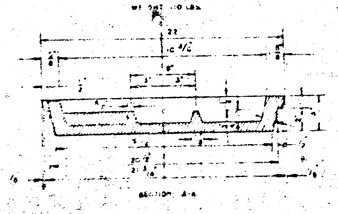




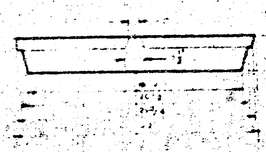





MANHOLE COVER

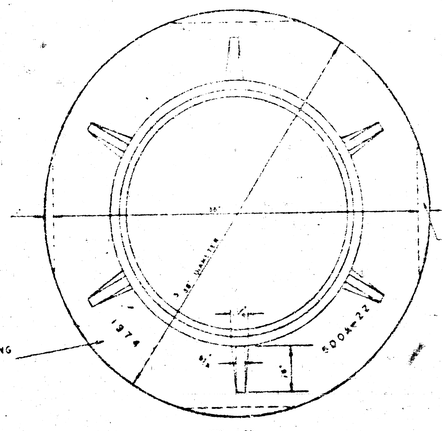


MANHOLE COVER

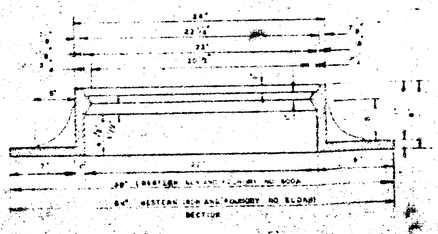


MANHOLE COVER

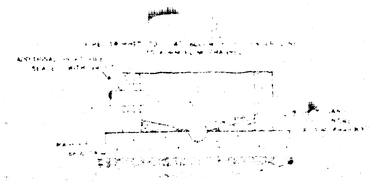
YEAR CASTING IS MADE




MANHOLE RING



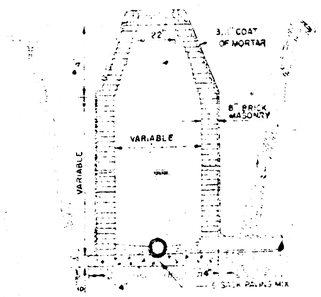
MANHOLE RING



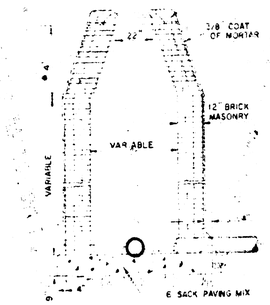
SECTIONAL ELEVATION—INVERT

NOTE OPENING FOR INLET PIPE CUT IN MANHOLE WALL AND PIPE GROUTED IN PLACE WITH NON-SHRINKING GROUT. EXTERIOR OF COMPLETED CONNECTION TO BE SEALED WITH APPROVED COATING.

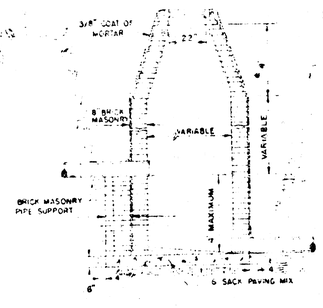
DETAILS OF
# SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1974



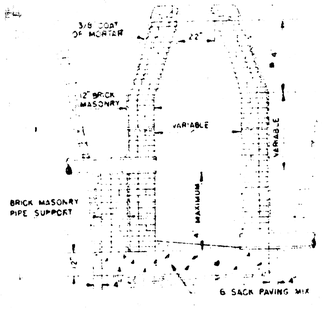

STANDARD MANHOLE
TYPE "A"



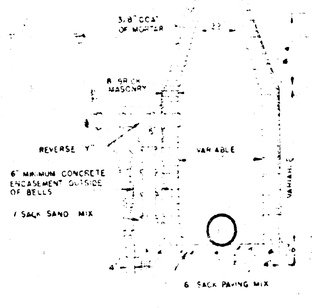

STANDARD MANHOLE
TYPE "B"



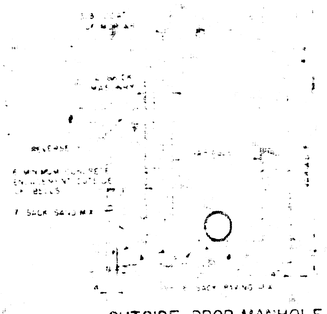

DROP MANHOLE
TYPE "A"




DROP MANHOLE
TYPE "B"

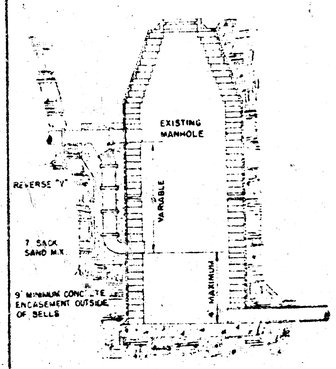



OUTSIDE DROP MANHOLE
TYPE "A"



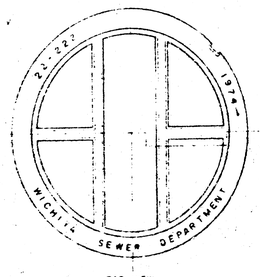

OUTSIDE DROP MANHOLE
TYPE "B"

* DRAW = 6' ON 5' DIA. M.H.




DETAIL OF DROP STACK

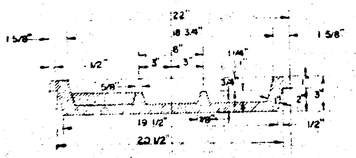
FOR EXISTING MANHOLES IN GROUND WATER




TOP VIEW

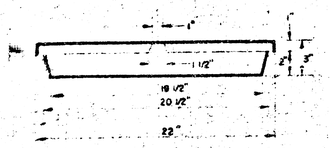
MANHOLE COVER

WEIGHT 110 LBS.




SECTION A-A

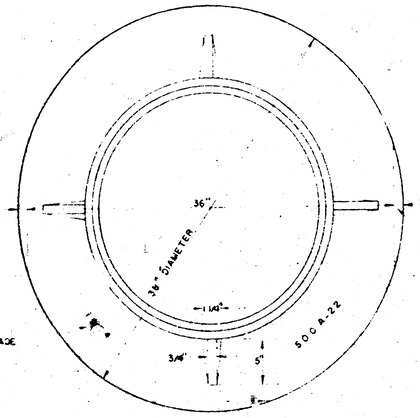
MANHOLE COVER




SIDE VIEW

MANHOLE COVER

YEAR CASTING IS MADE

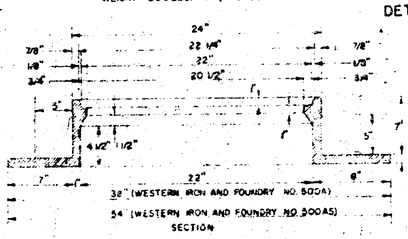



TOP VIEW

MANHOLE RING

WEIGHT 325 LBS. RING NO. 500A

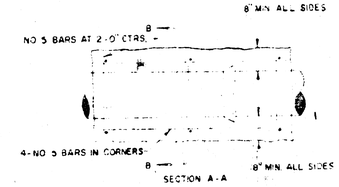
WEIGHT 800 LBS. RING NO. 500AS

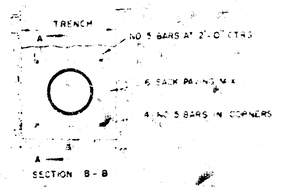



SECTION

MANHOLE RING

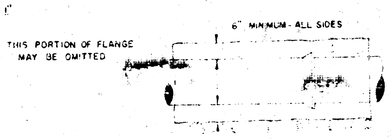
OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.



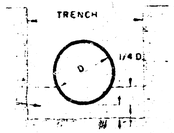

REINFORCED CONCRETE ENCASEMENT

FOR STRENGTH




CONCRETE ENCASEMENT

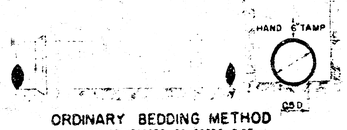
FOR COVER




DETAIL OF CONCRETE CRADLE

ORDINARY BEDDING METOD

FOR CLAY PIPE




ORDINARY BEDDING METHOD

FOR REINFORCED CONCRETE PIPE

## GENERAL NOTES

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE 'A' OR TYPE 'B' AND STANDARD DROP MANHOLES TYPE 'A' OR TYPE 'B' SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE. MANHOLES WITH PIPE SIZES LARGER THAN 24" SHALL BE 5' DIAMETER.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY, USING 8 SACK SAND MIX CONCRETE.

DETAILS OF

# SEWER APPURTENANCES

ADOPTED AS STANDARD DESIGN

BY

ENGINEERING DIVISION

CITY OF WICHITA, KANSAS

R. W. LINN CITY ENGINEER

1974