

**PLANS FOR
SEWERAGE IMPROVEMENTS**

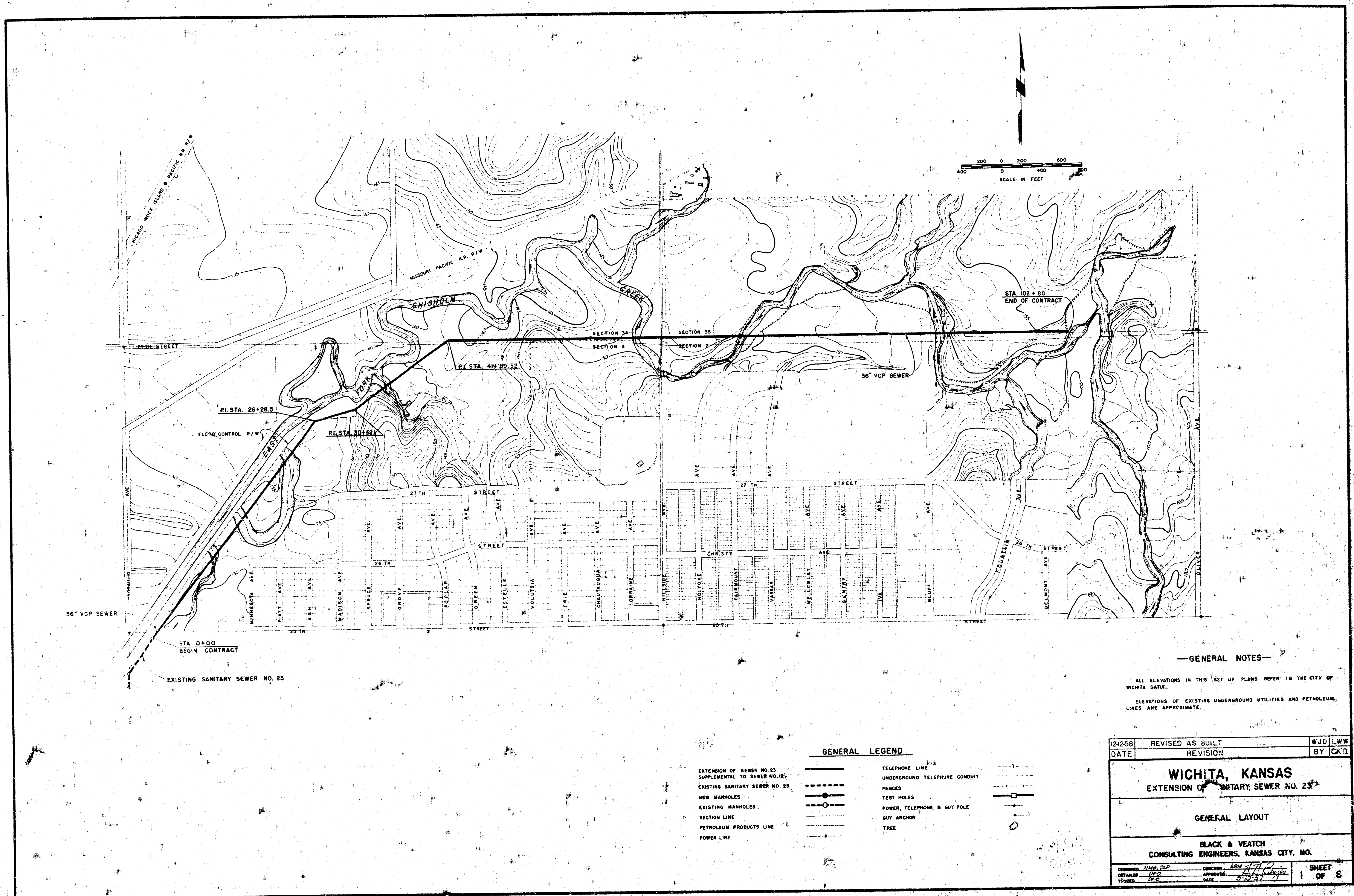
WICHITA, KANSAS

EXTENSION OF SANITARY SEWER NO. 23

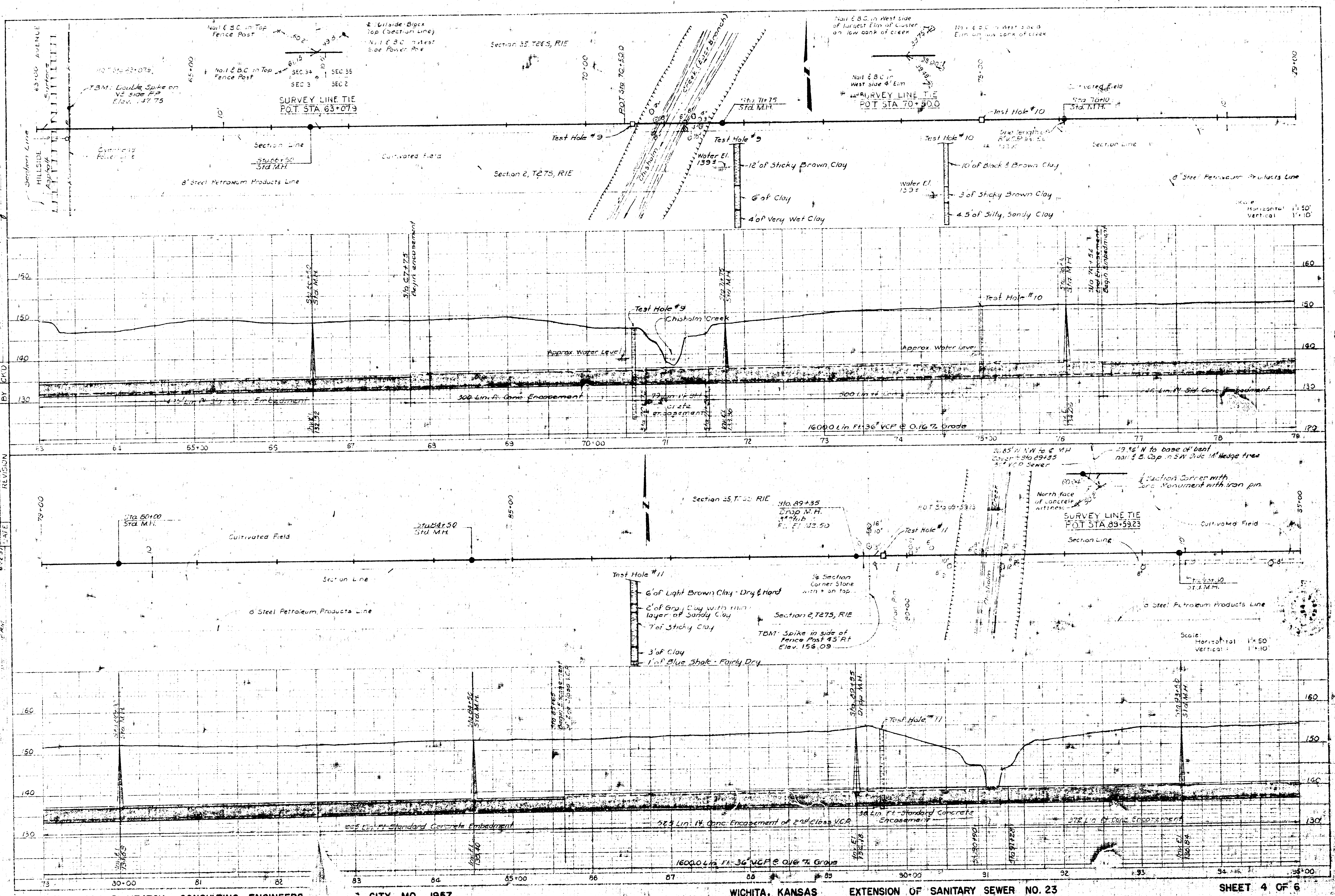
(SUPPLEMENTAL TO SANITARY SEWER NO. 12)

**BLACK & VEATCH
CONSULTING ENGINEERS
KANSAS CITY, MISSOURI**

1957



PLAN
APPROVED BY
BY CHD
REVISION
DATE
BLACK & VEATCH, CONSULTING ENGINEERS

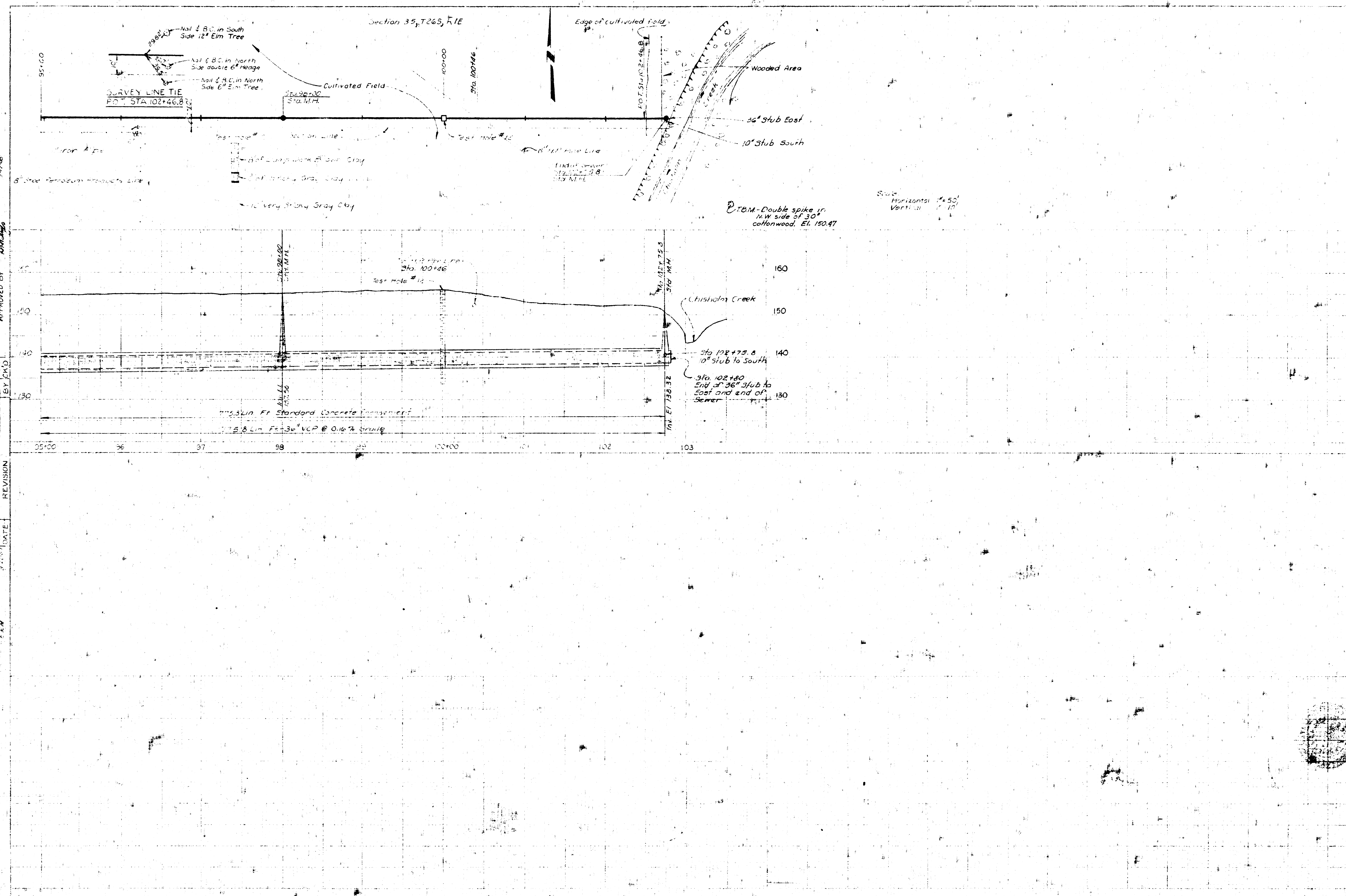


BLACK & VEATCH, CONSULTING ENGINEERS.

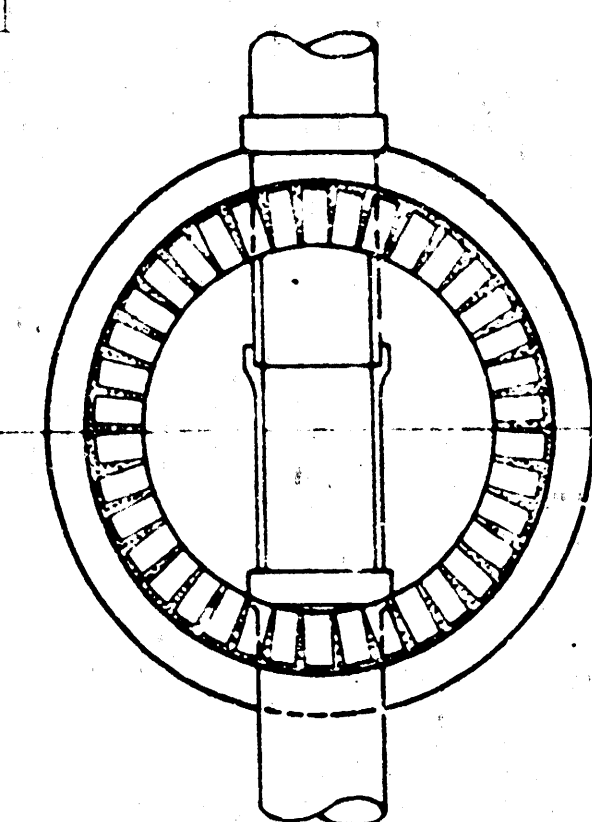
CITY, MO. 1957

WICHITA, KANSAS EXTENSION OF SANITARY SEWER NO. 23

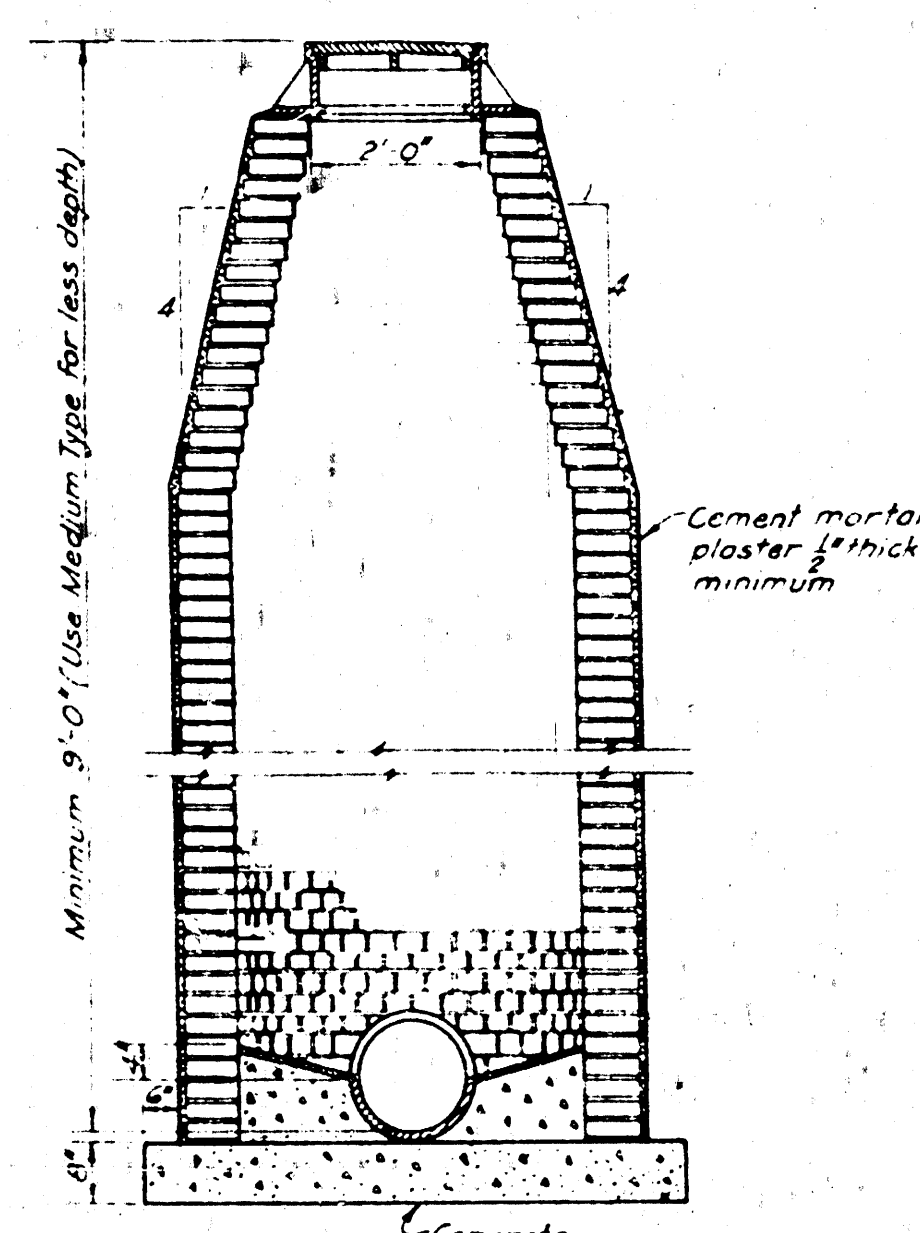
SHEET 4 OF 6



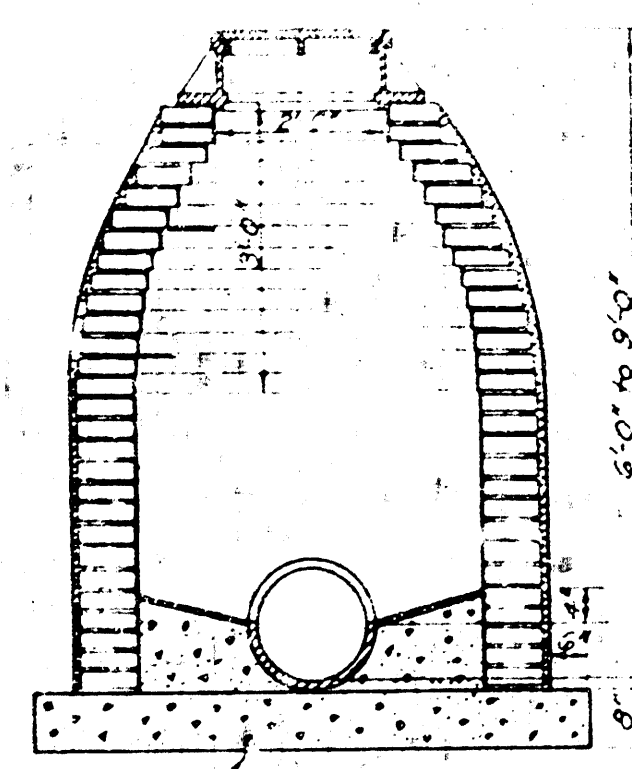
DATE	REVISION	BY	CHK'D
5-10-57	Initial Construction Details	W.V.	W.V.
5-10-57	Revised Details	W.V.	W.V.



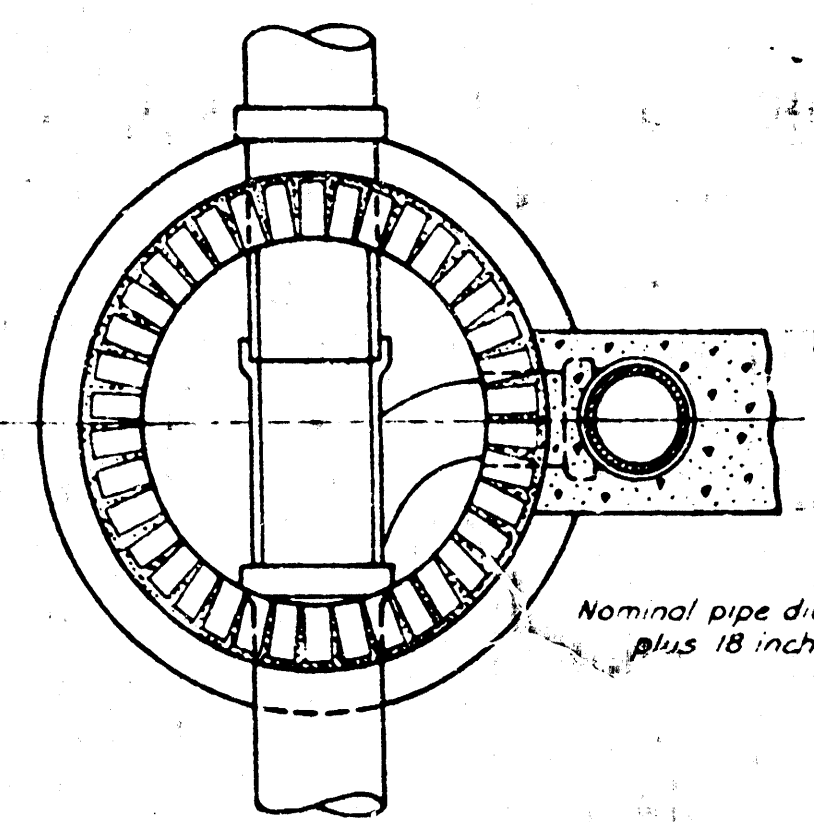
PLAN
STANDARD BRICK MANHOLE
STRAIGHT INVERT



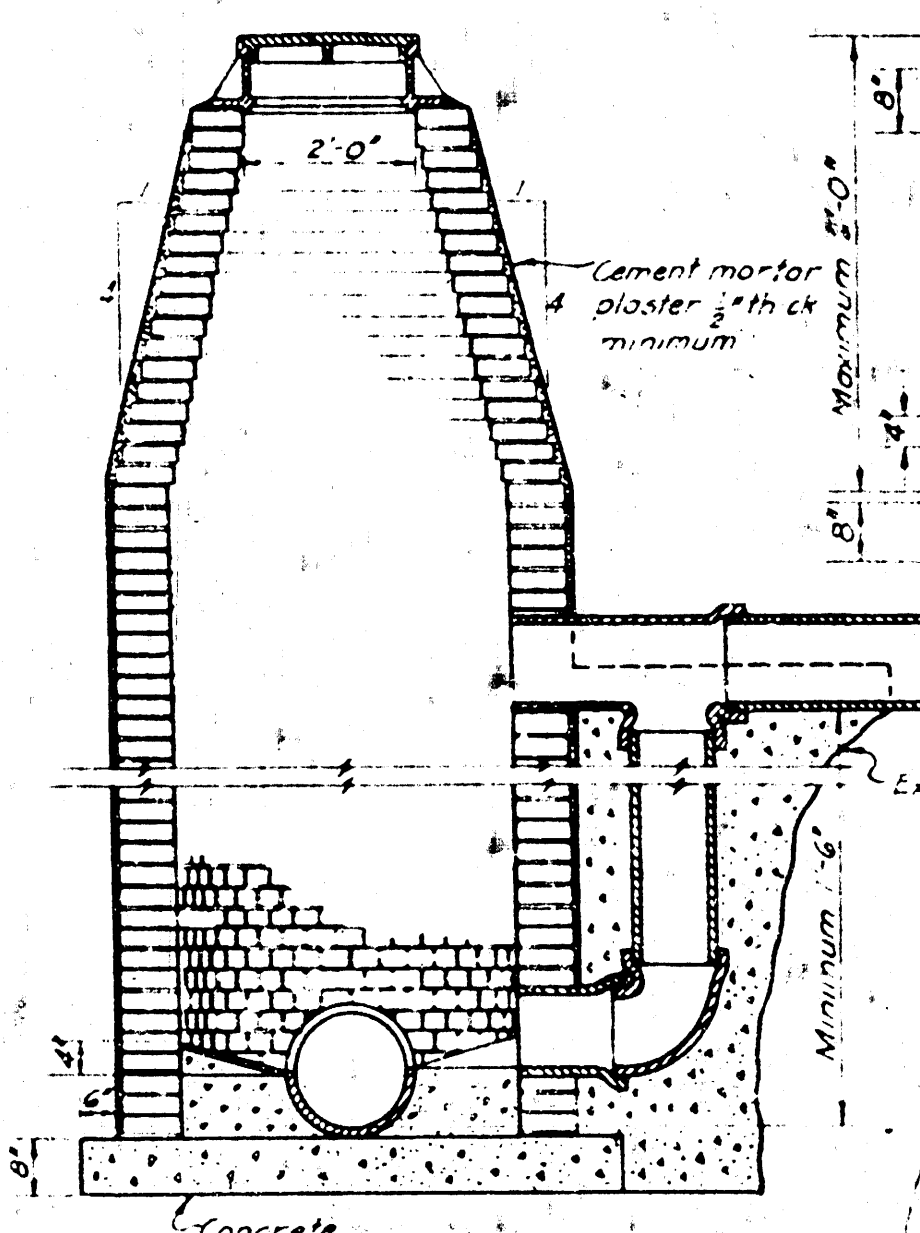
SECTION
STANDARD BRICK MANHOLE



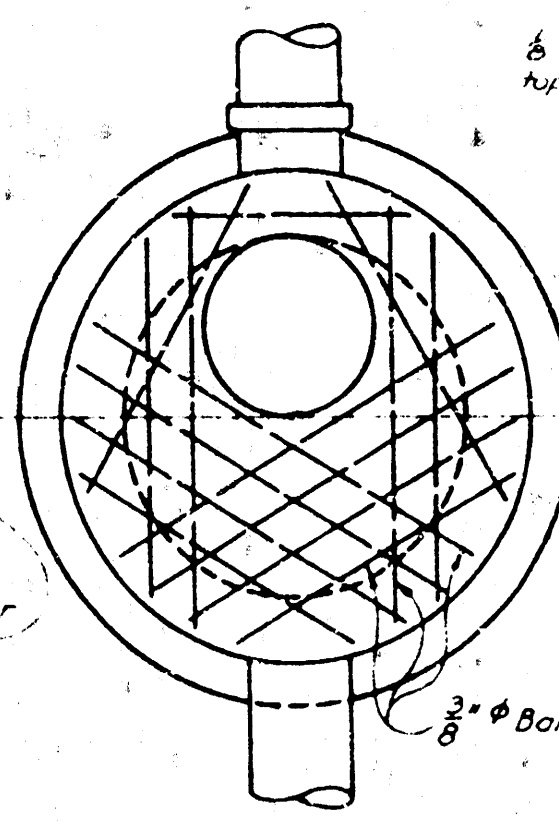
SECTION
STANDARD BRICK MANHOLE
FOR MEDIUM DEPTH



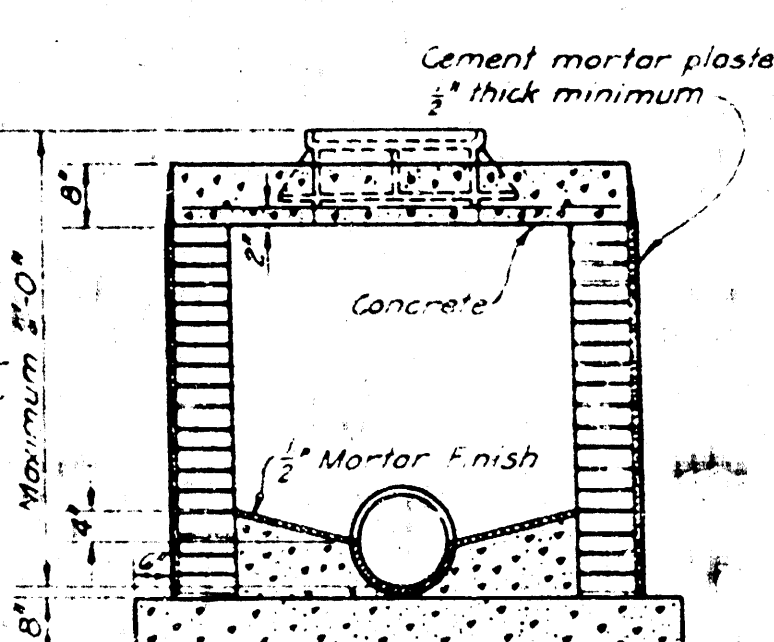
PLAN
DROP MANHOLE



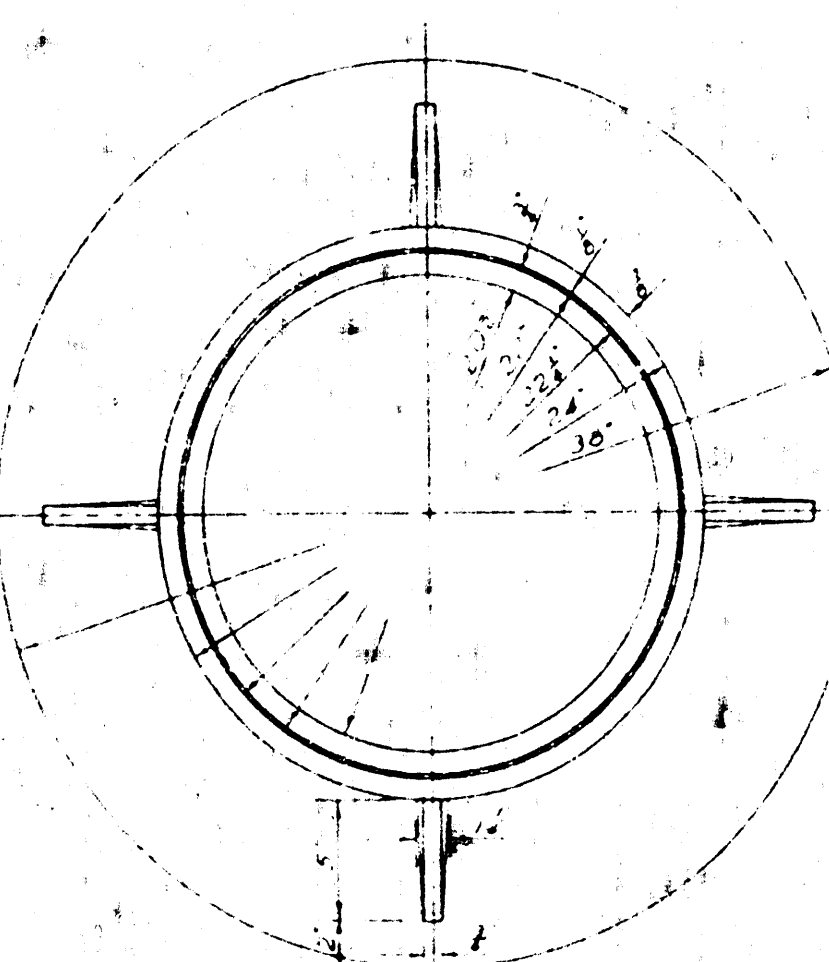
SECTION
DROP MANHOLE



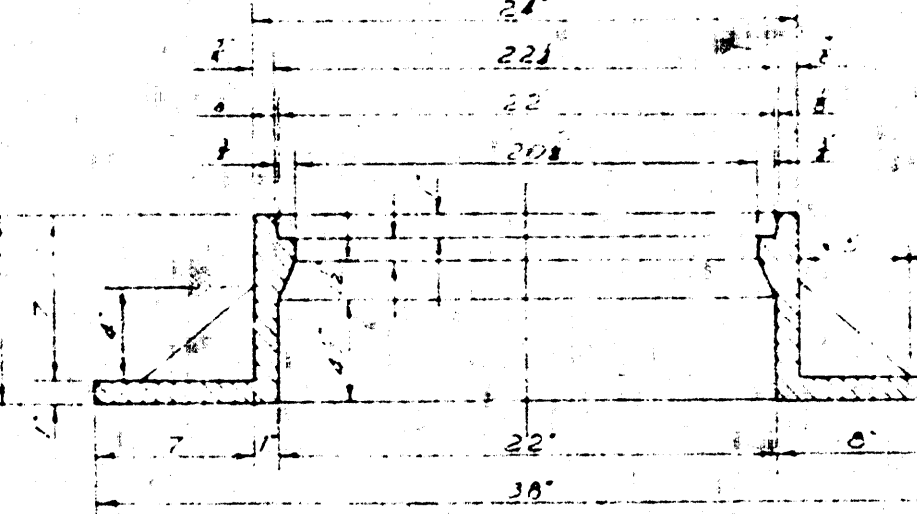
PLAN
STANDARD SHALLOW MANHOLE



SECTION
STANDARD SHALLOW MANHOLE

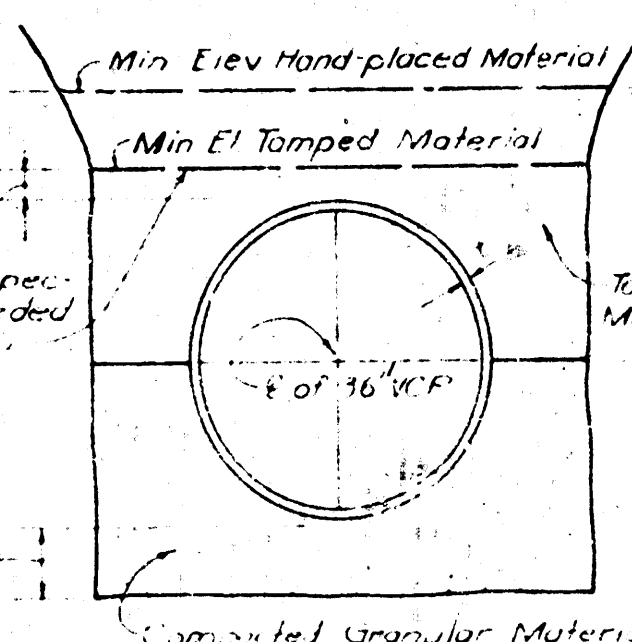


PLAN
MANHOLE RING

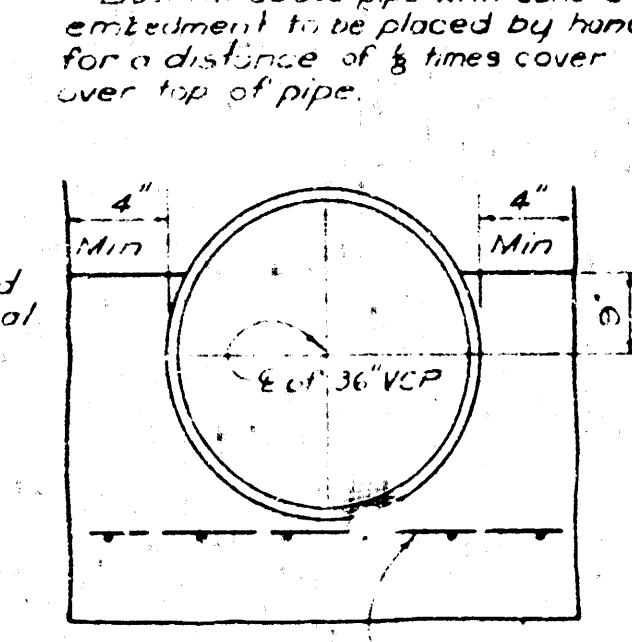


SECTION
MANHOLE RING

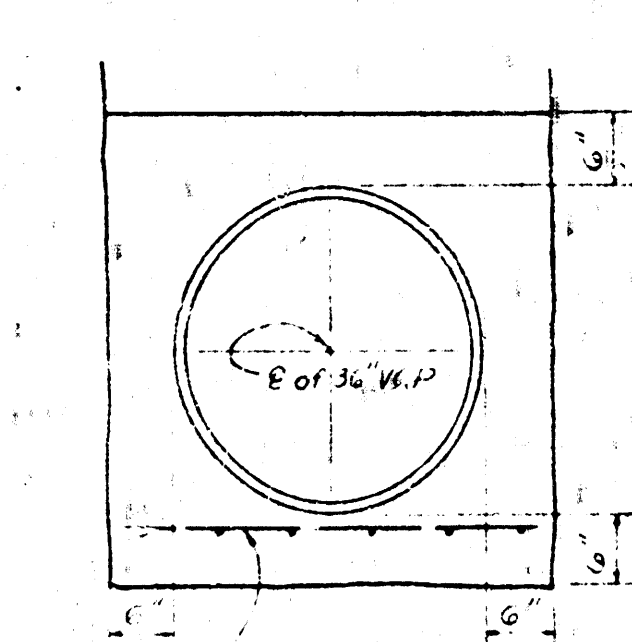
STANDARD MANHOLE RING AND COVER DETAILS



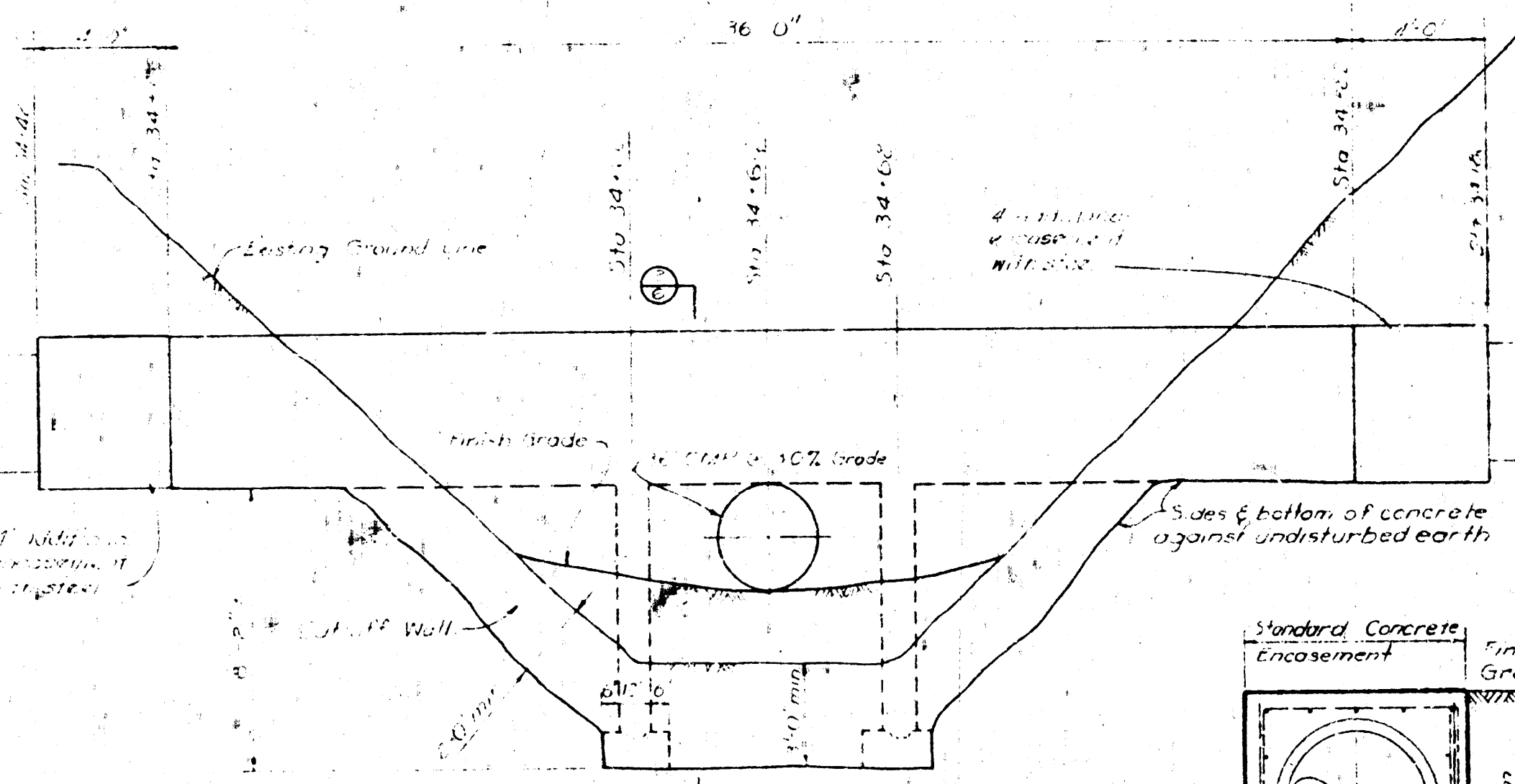
STANDARD EMBEDMENT



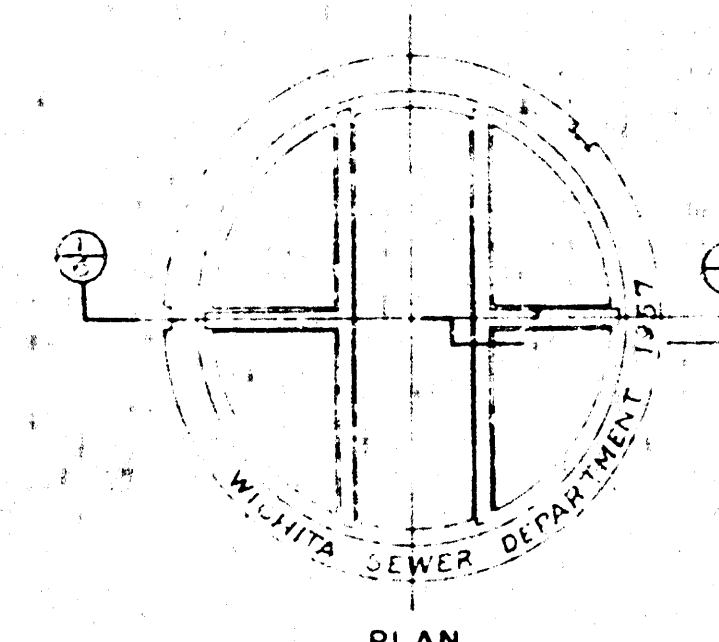
STANDARD CONCRETE EMBEDMENT



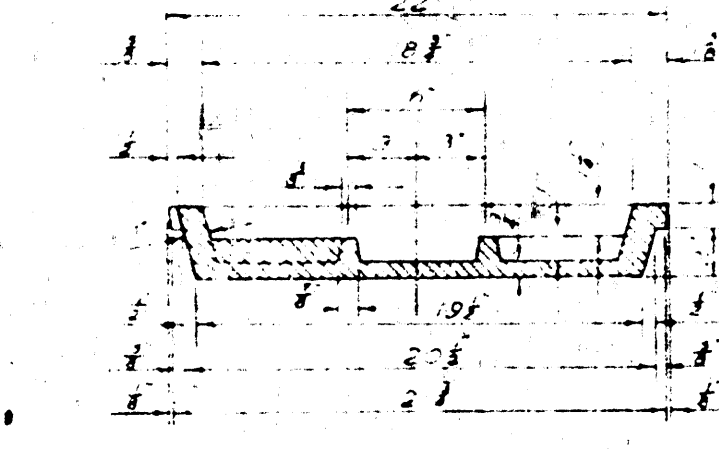
STANDARD CONCRETE ENCASUREMENT



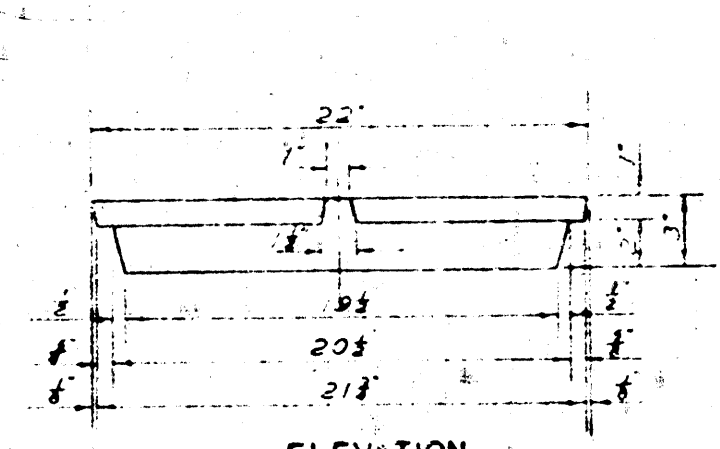
ELEVATION
CROSSING STRUCTURE — STA. 34+60±
SCALE: 1/4\"/>



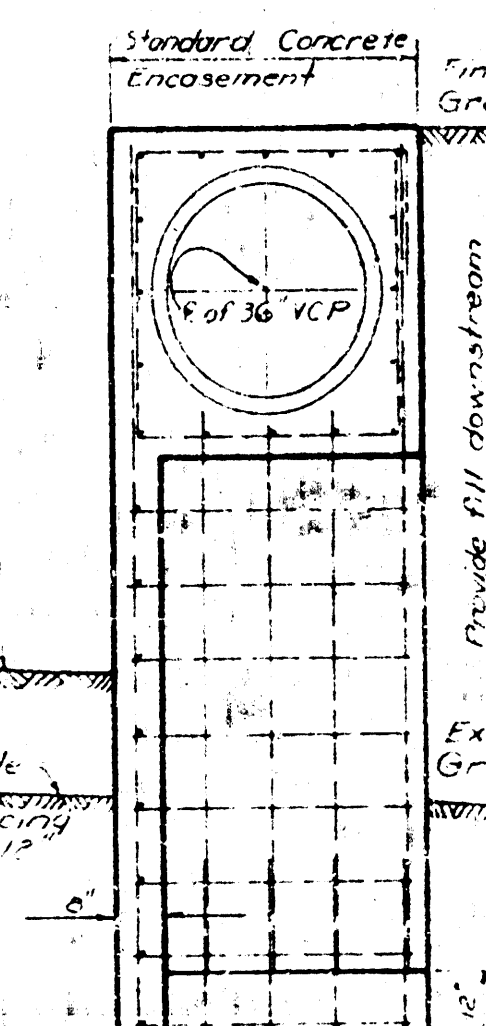
PLAN
MANHOLE COVER



SECTION 1
MANHOLE COVER



ELEVATION
MANHOLE COVER



SECTION 2

General Notes:
Any material excavated beneath pipe entering or leaving manholes, shall be replaced with concrete.
All manhole rings to be set in mortar.
Inside diameter of manholes to be 5'-0\"/>



WICHITA, KANSAS	
EXTENSION OF SANITARY SEWER NO. 23	
DETAILS OF STANDARD MANHOLES	
BLACK & VEATCH CONSULTING ENGINEERS, KANSAS CITY, MO.	
APPROVED DATE: 5-10-57	6 SHEET OF 6