EXTENSION OF
REINFORCED CONCRETE MANHOLE
ON EXISTING SANITARY SEWER

For A.T. & S.F.R.R. Industry Track Crossing
In Santa Fe Midland Industrial District
Wichita, Kansas

City of Wichita Private Project No. 468-76-80906-000-000-008

4-15-80
APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers DCM
Storm Sewers
Driveway Approaches

NOTE TO CONTRACTOR
This project will be constructed under the supervision of the CITY ENGINEER'S and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR is still responsible to the CITY of Wichita for all work of [redacted] inspection.

Moehring & Associates
Consulting Engineers

DON C. MOEHRING II
LICENSED
3463
KANSAS
PROFESSIONAL ENGINEER

APRIL 1980

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PROJECT DESCRIPTION – Construct Reinforced Concrete Offset M.H. As An Extension To Existing M.H. Structure. Remove Brick M.H. Stack From Existing Structure, And Provide Two (2) R.C.P. M.H. Stacks On New Structure. Provide 3'x3' Maintenance Access Opening In Common Wall Between Structures. All Exposed Interior Concrete Surfaces To Be Plastic Lined Per City Of Wichita Requirements.
SEE DETAIL SHEETS 3 & 4

N
W E
S
1"=50'

MIDLAND DISTRICT
BLK 1
℄ MADISON
℄ R.I. of Tulsa & Madison Streets = STA. 10+00 - Survey Base Line
Exist. M.H. - 8.5' Lt. @ Sta. 6+49.2
Exist. M.H. - 9.0' Lt. @ Sta. 10+00.5
Exist. M.H. - 9.5' Lt. @ Sta. 12+70
69.67' Sewer Easement
Lot 3
10' ℄ Fruposed Industry Track
Reserve "B" 20'
1-35W R/W
– EXISTING STRUCTURE –
Reinforced Conc. Box, Offset Type, 6'x11' out to out
Exist. M.H. - 5.2' Lt. (℄ 36" Pipe West, 9.3' Lt.)
@ Sta. 14+36.7
N 18°02'45" E
℄ TULSA ST.
36" SS Flow 36" SS 36" SS 36"
SURVEY BASE LINE
Existing Fence
EXISTING 36" V.C.P. SANITARY SEWER MAIN
High Bank
Waters Edge
SANTA FE
Lot 1
INDUSTRIAL
Lot 2
BLK 2
Storm Water Pond
Track ℄ Curve Data –
Δ = 18°02'45"
R = 603.80'
T = 95.88
1-35W R/W
10'
20'
Reserve "B"

1"=50' Horiz.
1"=5' Vert.

Project Bench Mark –
M^a in Mueller, top of Fire Hydrant near N.W. cor. Lot 2 Block 2.
Elev. = 92.34 City Datum.

W. Rim M.H. Elev. = 89.43
W. Rim M.H. Elev. = 89.36
W. Rim M.H. Elev. = 92.16
W. Rim M.H. Elev. = 92.52
Surface Profile
Match Rim Elev's
1-35W R/W Fence
Remove Brick Stack
Proposed Structure
Exist. 6'x11' Rec. Conc. Box W/ Int. Offset Elev. With 3'x3' Brick M.H. Stack
Hwn. Conc. Encasement (Existing)
Flow
Project Limits
Flow (Existing) 36" V.C.P. SANITARY SEWER MAIN @ 0.05% GRADIENT
F.L. = 78.78
F.L. = 78.65
F.L. = 78.50
F.L. = 78.42
95 90 85 80 75
6 7 8 9 10 11 12 13 14 15

NOTE:
Storm Water Pond Surface Elev. = 76.6 On 1-8-80

VICINITY PLAN AND PROFILE
For 36" Sanitary Sewer Crossing
PROPOSED INDUSTRY TRACK EXTENSION
Santa Fe Midland Industrial District
Wichita, Kansas
MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

PLAN SURVEYED PLOTTED CHECKED NOTE BOOK ALIGNMENT CHECKED M.M.'s NOTED NO. STRUCTURE NOTATIONS NEED DATE

PROFILE SURVEYED PLOTTED CHECKED NOTE BOOK M.M.'s NOTED NO. STRUCTURE NOTATIONS NEED DATE

PLATE I - PLAN - PROFILE - F.A.S.
CLEARPRINT PAPER CO., S.F. CAL.
NO. 1000H-1

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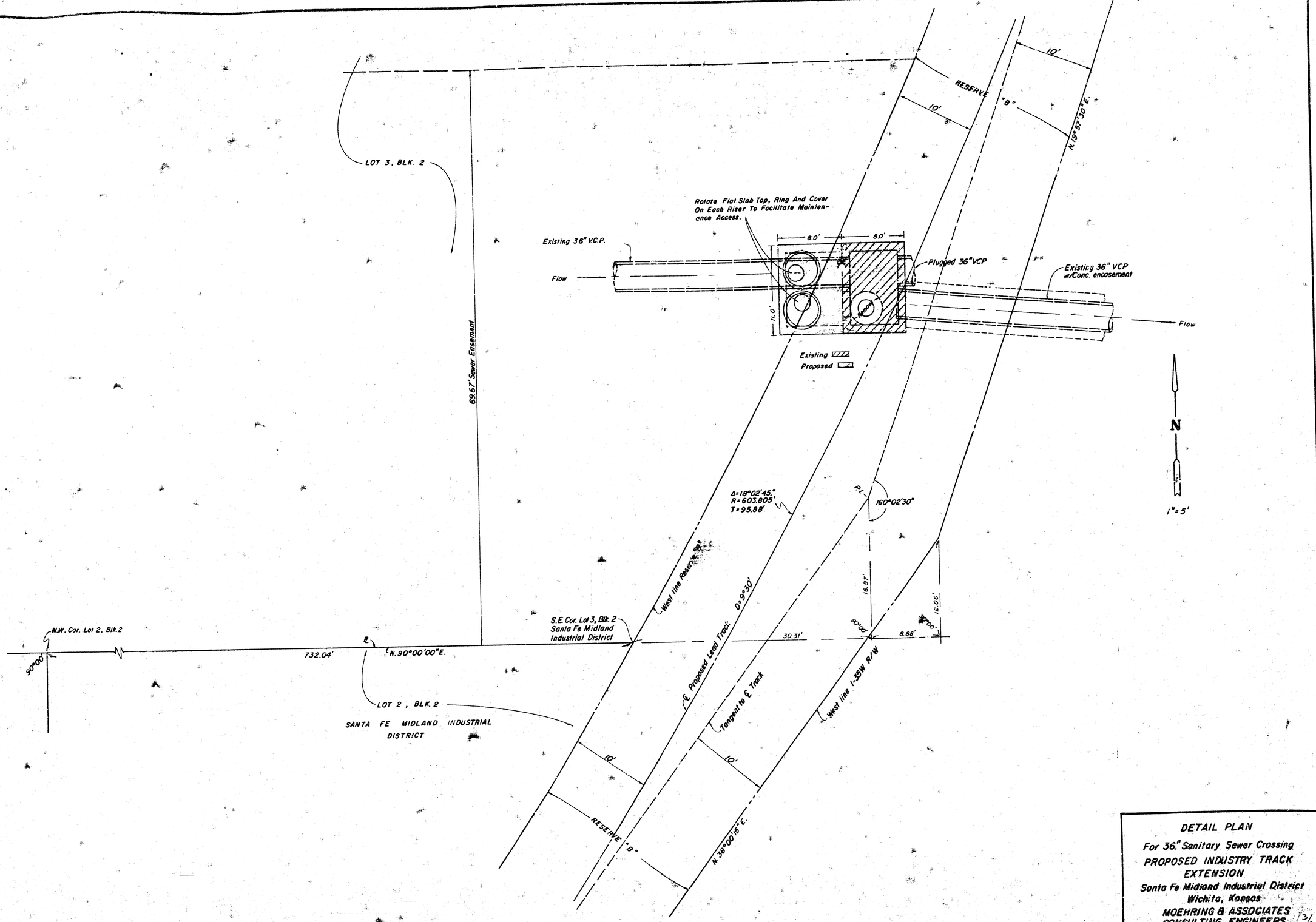

DETAIL PLAN

For 36" Sanitary Sewer Crossing

PROPOSED INDUSTRY TRACK EXTENSION

Santa Fe Midland Industrial District

Wichita, Kansas

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

3/4

SHEET 3

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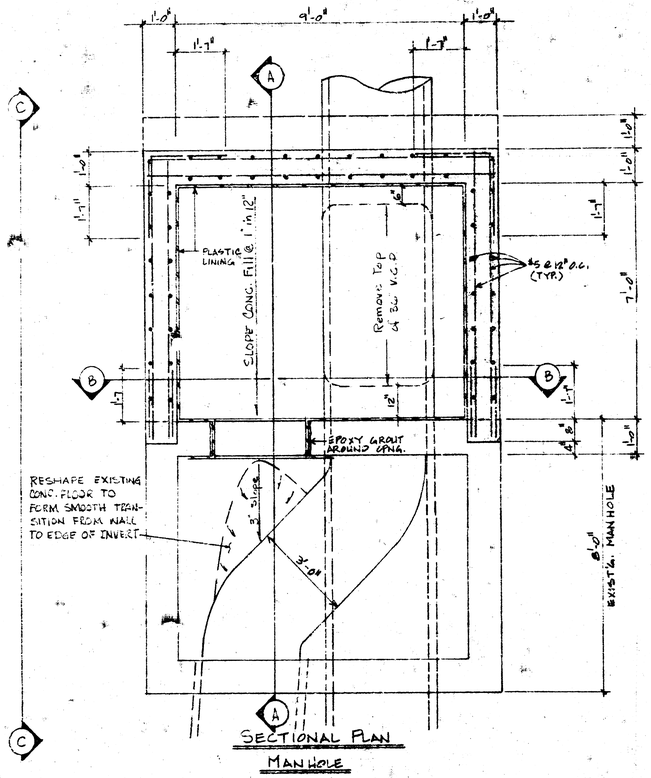
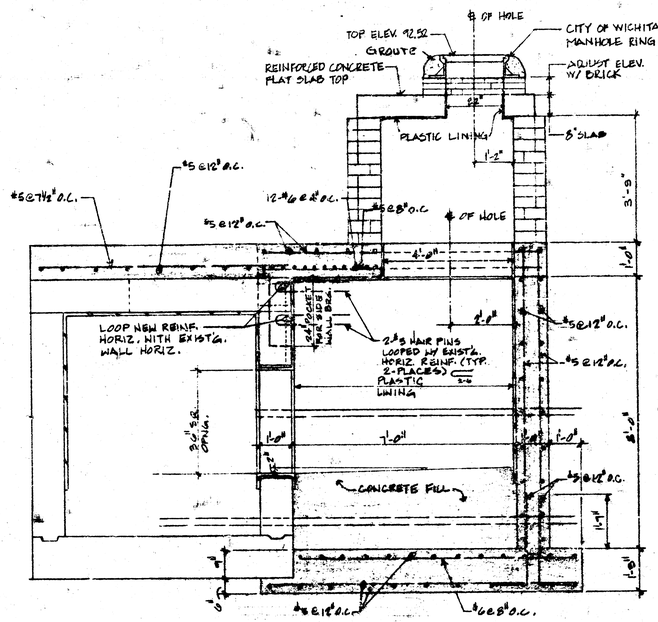
NOTE

MINIMUM CLEARANCES FOR REINFORCING STEEL FROM SURFACE OF CONCRETE:
ROOF - 1½"
WALLS - 2"
FOOTINGS - 3"

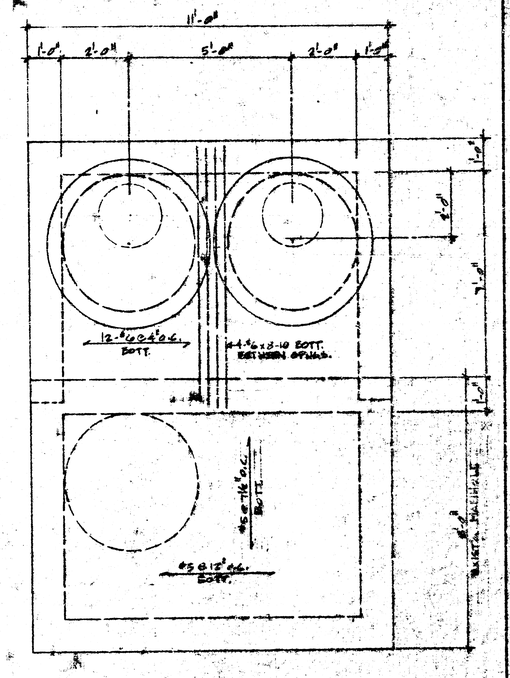
CONCRETE TO BE 3000# MIX.



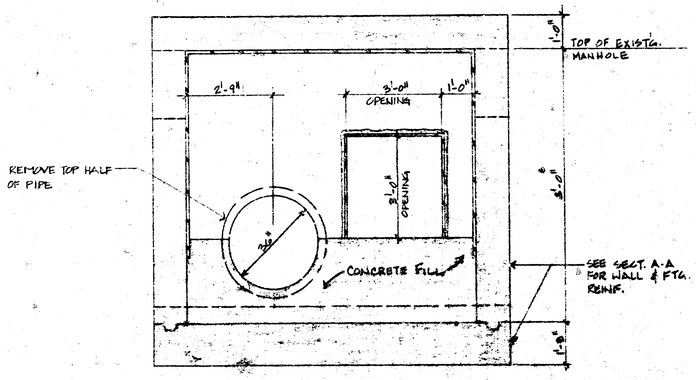
SECTIONAL PLAN
MANHOLE



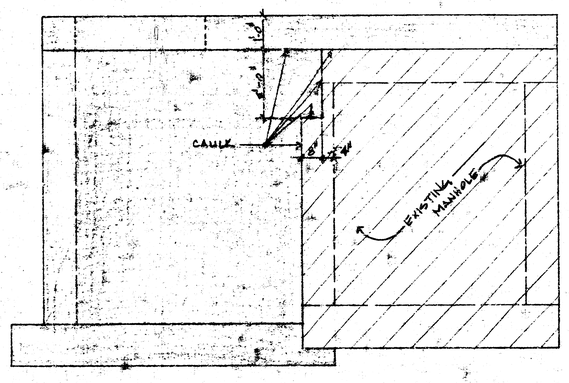
SECTION A-A
MANHOLE



PLAN
MANHOLE



SECTION B-B
MANHOLE



SECTION C-C WALL ELEVATION
MANHOLE

QUANTITIES

STRUCTURAL CONCRETE - 17.03 CU YDS. (NOT INCLUDING STACKS)
PLAIN CONCRETE FILL (BASE) - 4.11 CU YDS.

HARTWELL - JANTZ ENGINEERING
357 LULU
WICHITA, KANSAS 67211

RICHARD HARTWELL LICENSED 1809 KANSAS PROFESSIONAL ENGINEER

REINFORCED CONCRETE STRUCTURAL DETAILS
SCALE 1/4" = 1'-0" ASSEMBLY DET.
DATE 4-10-80 DRAWING NO.
BY: HARTWELL - JANTZ ENGINEERING
SHEET 4/4

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