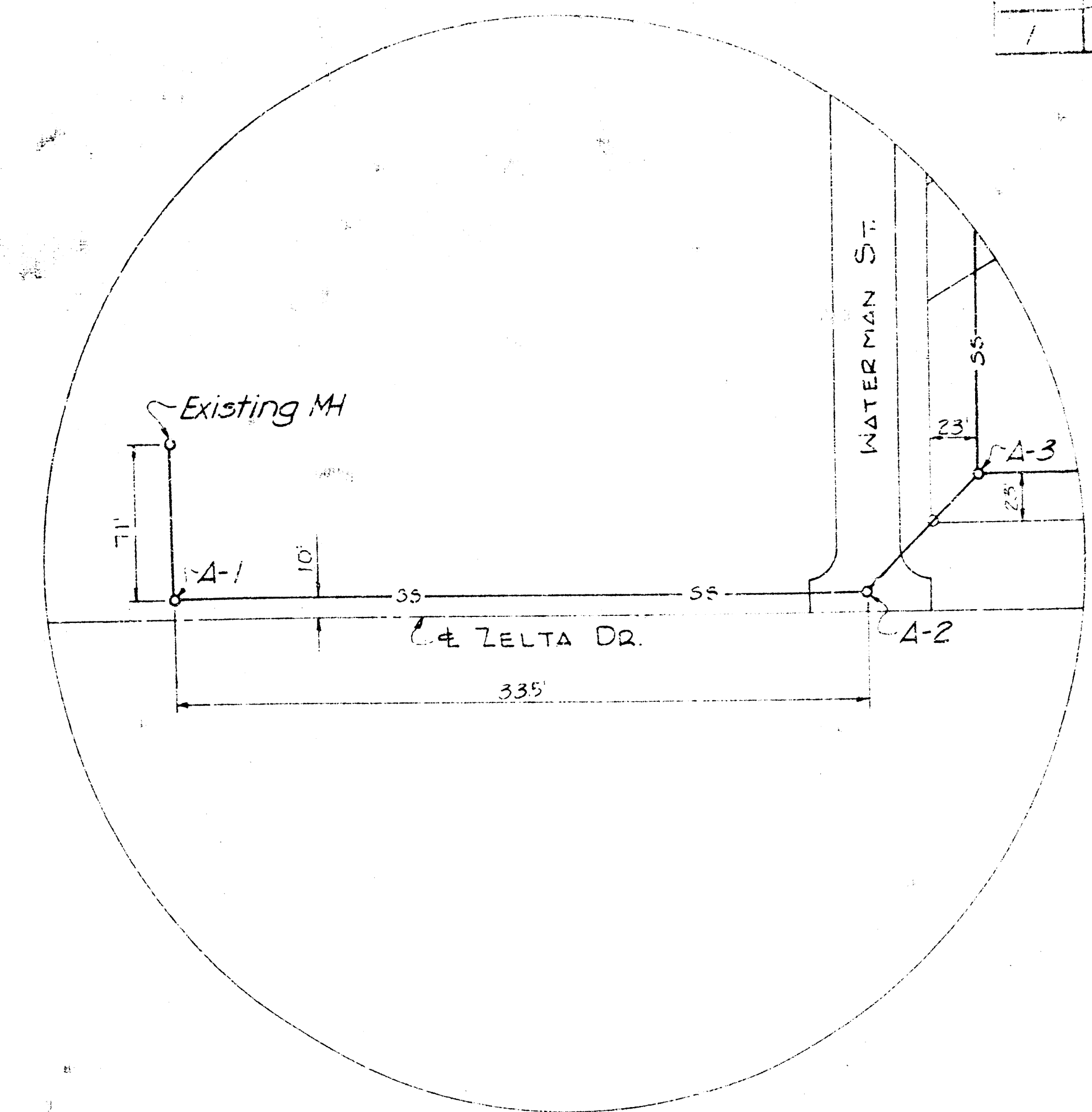
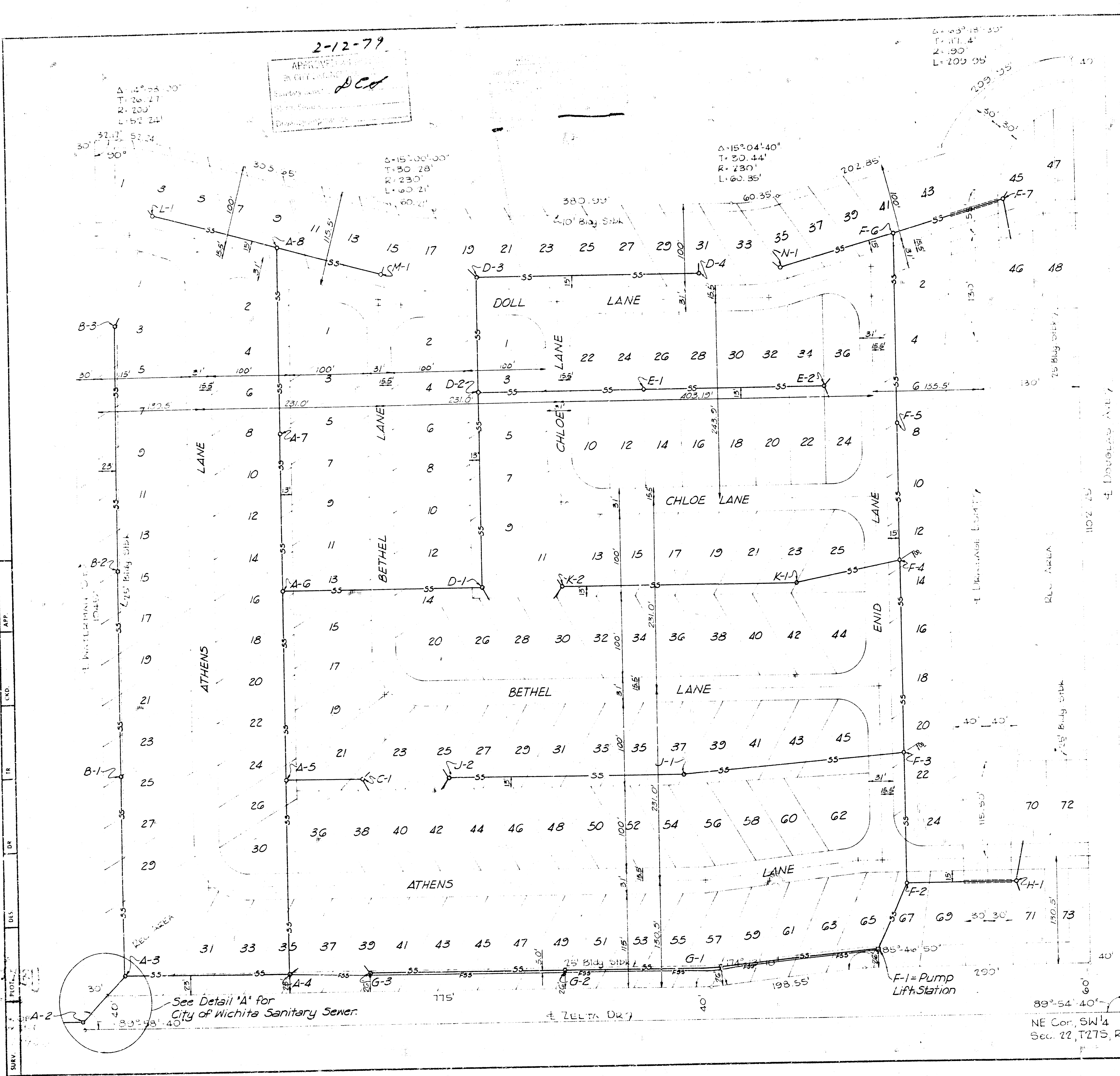




DETAIL "A"

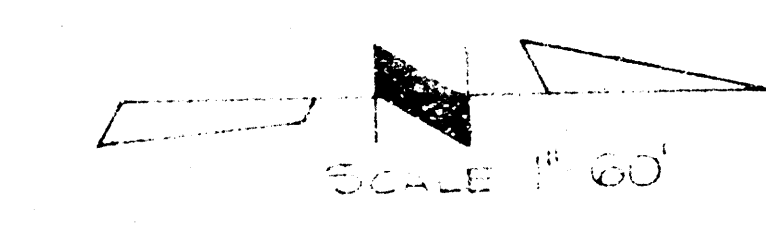
LIFESTYLE MOBILE HOME PARK
SANITARY SEWER PLAN
ENVIRONMENTAL ENTERPRISES INC.
WICHITA, KANSAS

PROJECT NO. 468-76-245-80683-000-000-008

DELAMATER, FREUND & ASSOCIATES, P.A.
ENGINEERS & ARCHITECTS, WICHITA, KANSAS
DECEMBER, 1978



- INDEX OF SHEETS
1. Title Sheet
 - 2-10. Plan-Profile Sheets
 11. Pump Lift Station
 12. Sewer Appurtenances
 13. Auxiliary Details
 14. Electrical Details

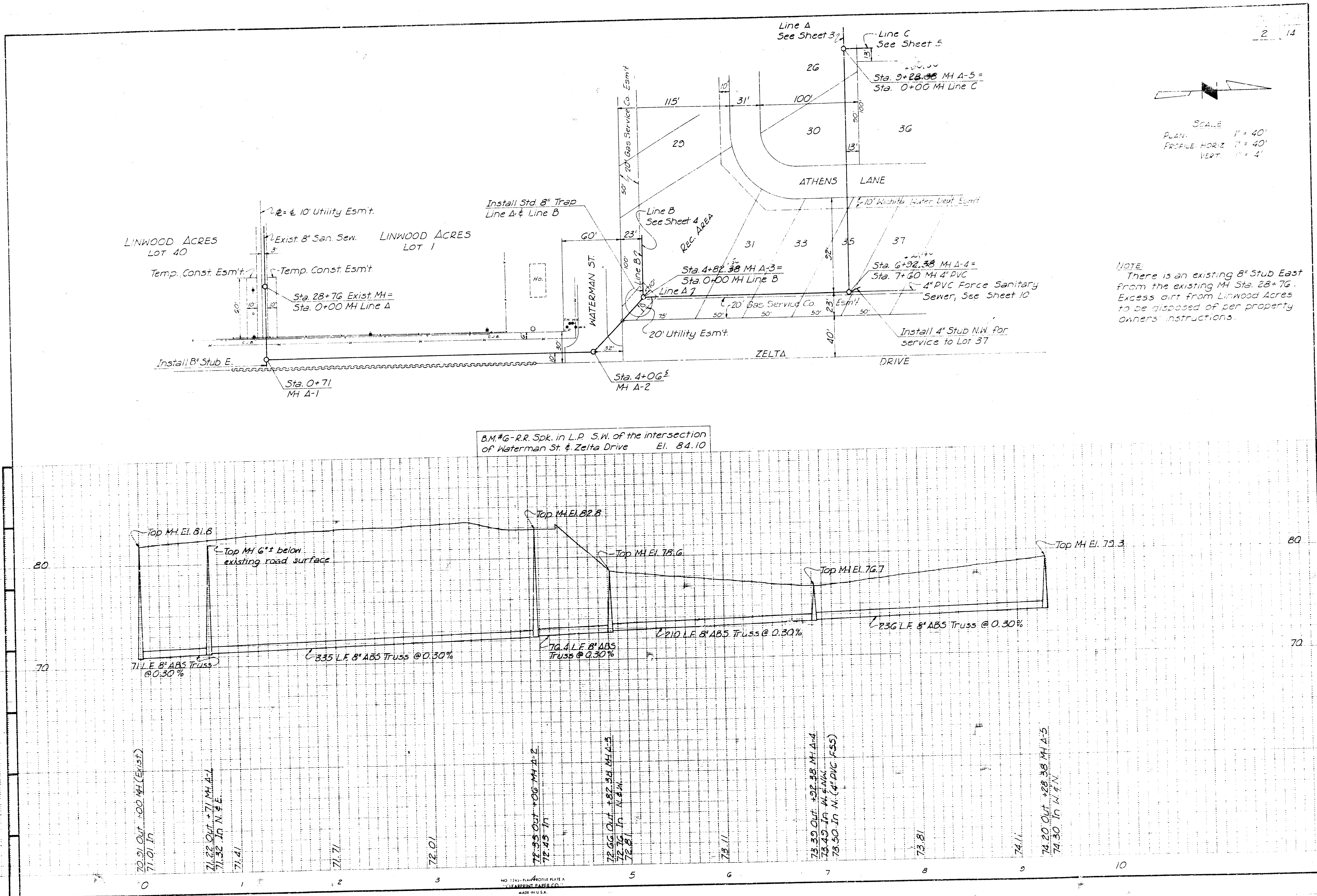


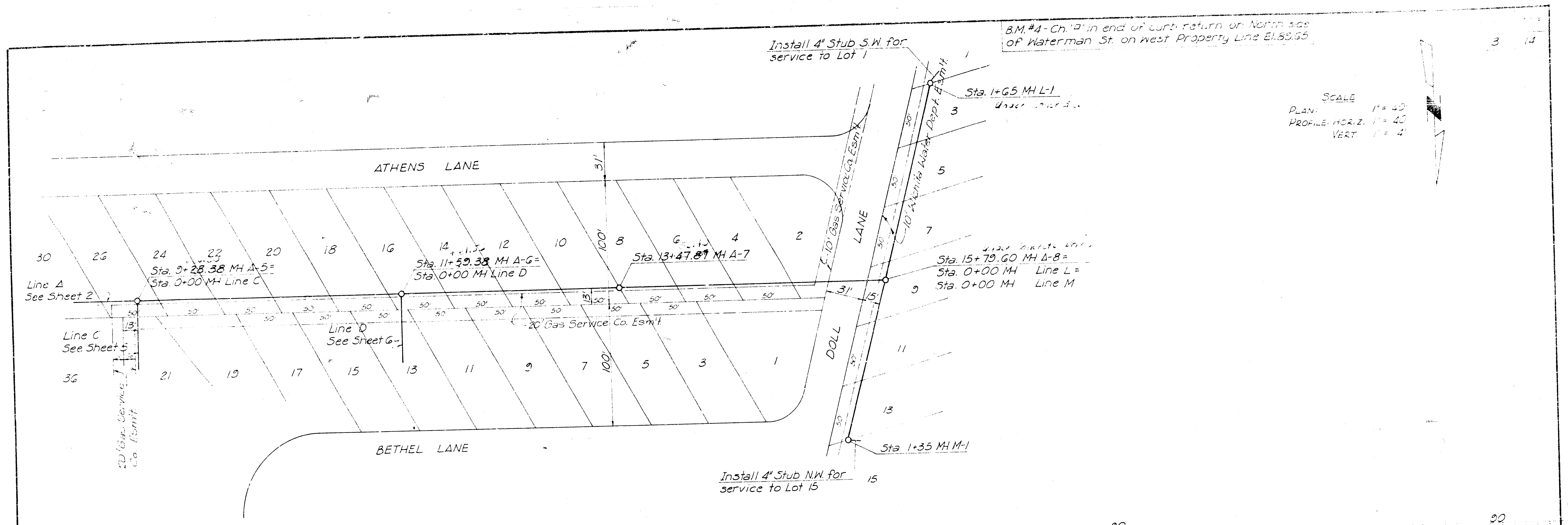
NE Cor, SW $\frac{1}{4}$
Sec. 22, T27S, R2E-

249-D-207

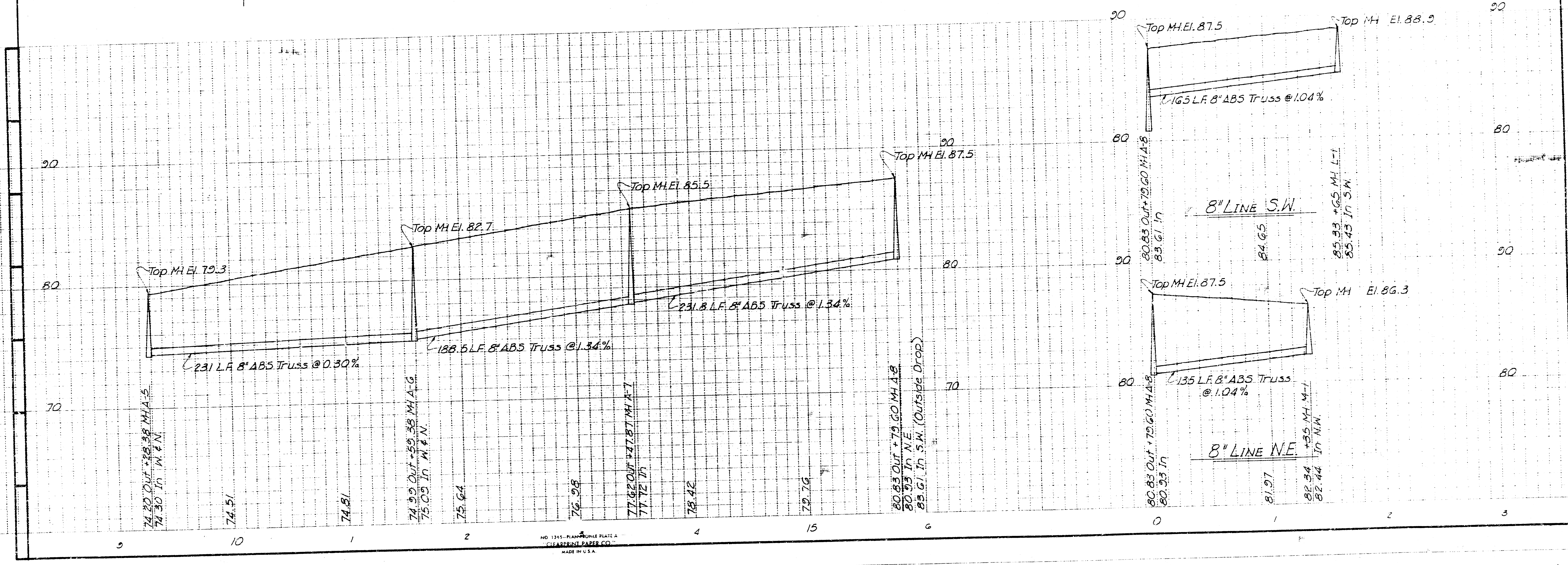
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AVAILABLE COPY





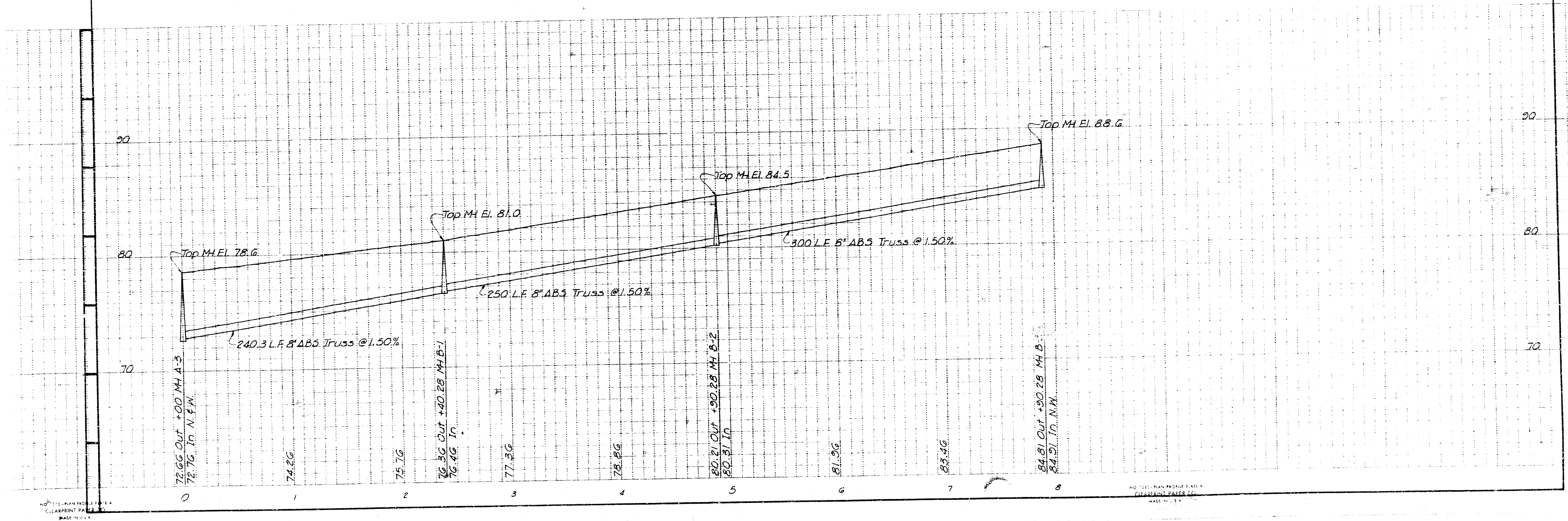
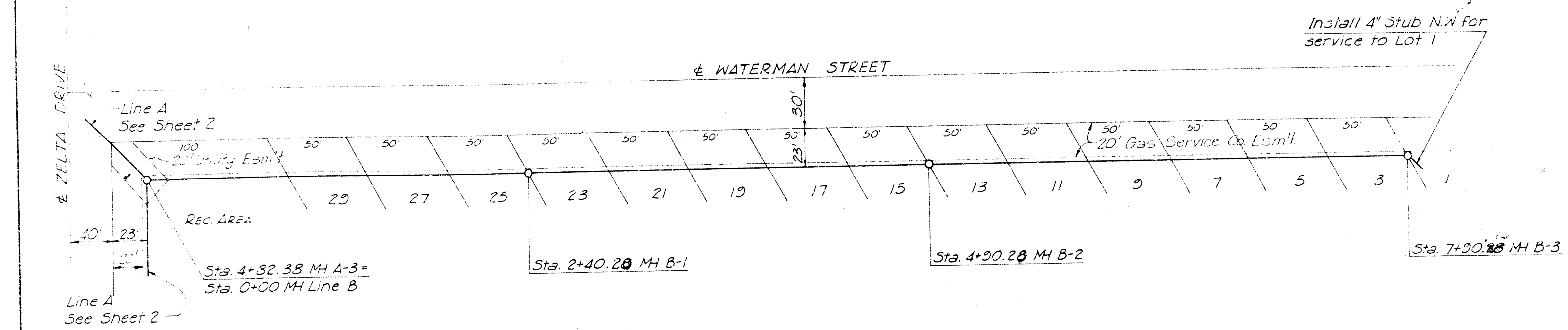
SCALE
 PLAN: 1" = 40'
 PROFILE: HORIZ. 1" = 40'
 VERT. 1" = 4'



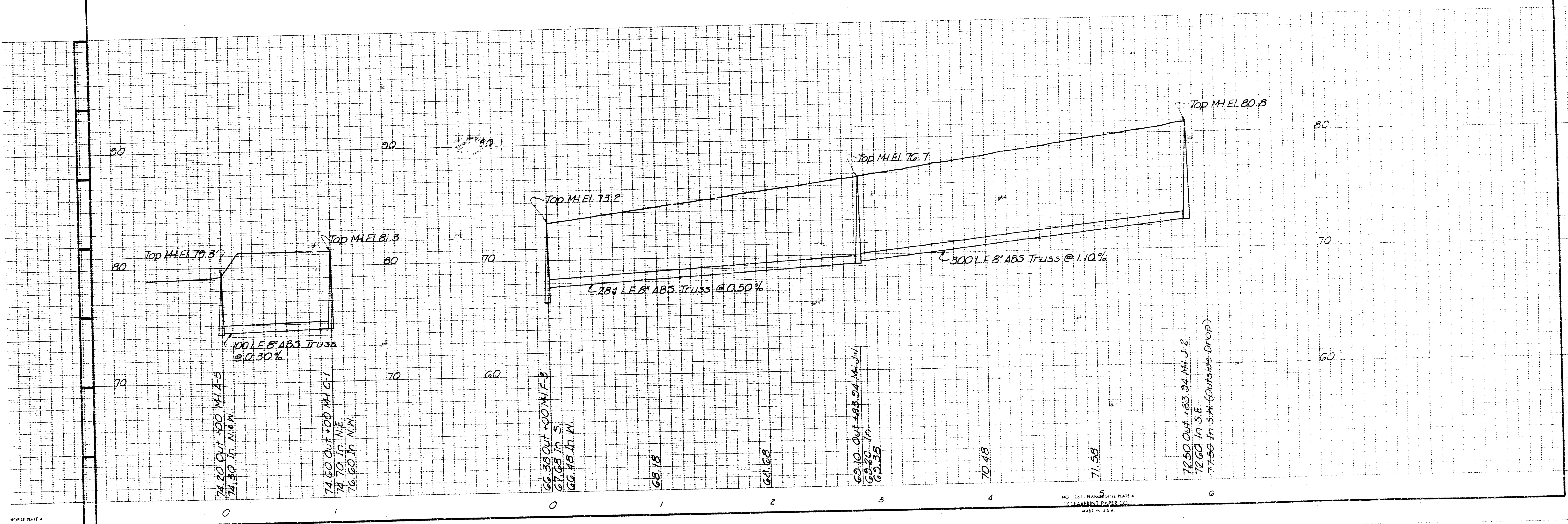
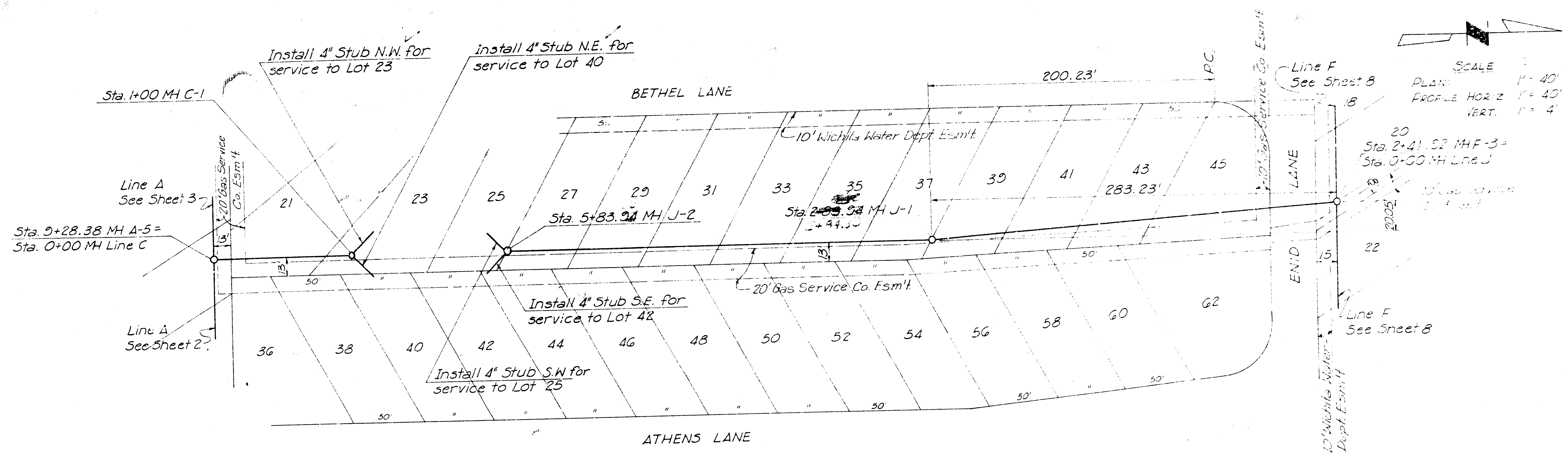
249-D
 PIP 60" 2 3/14

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SCALE
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 PROFILE: HORIZ. 1" = 40'
 VERT. 1" = 4'

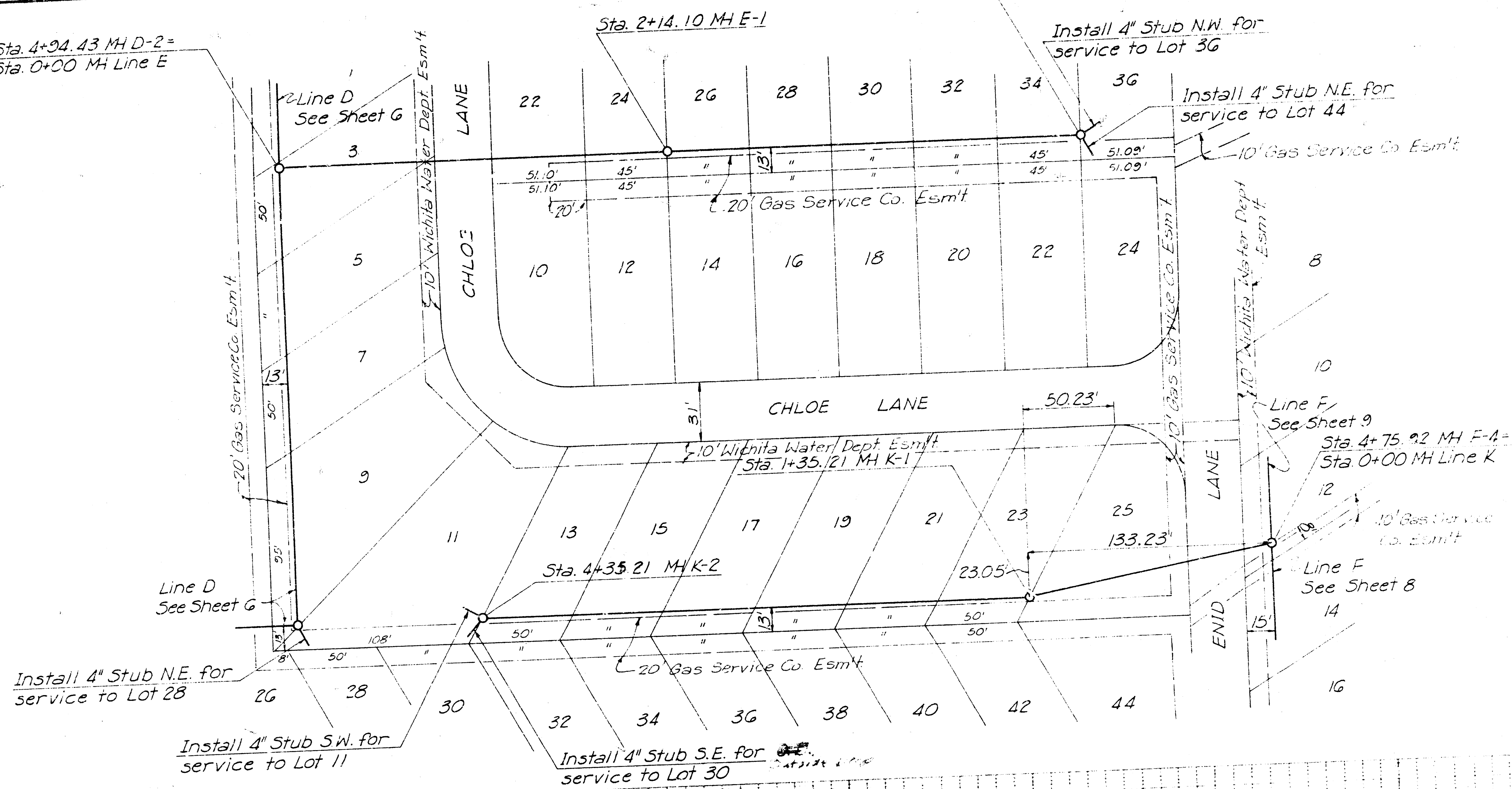


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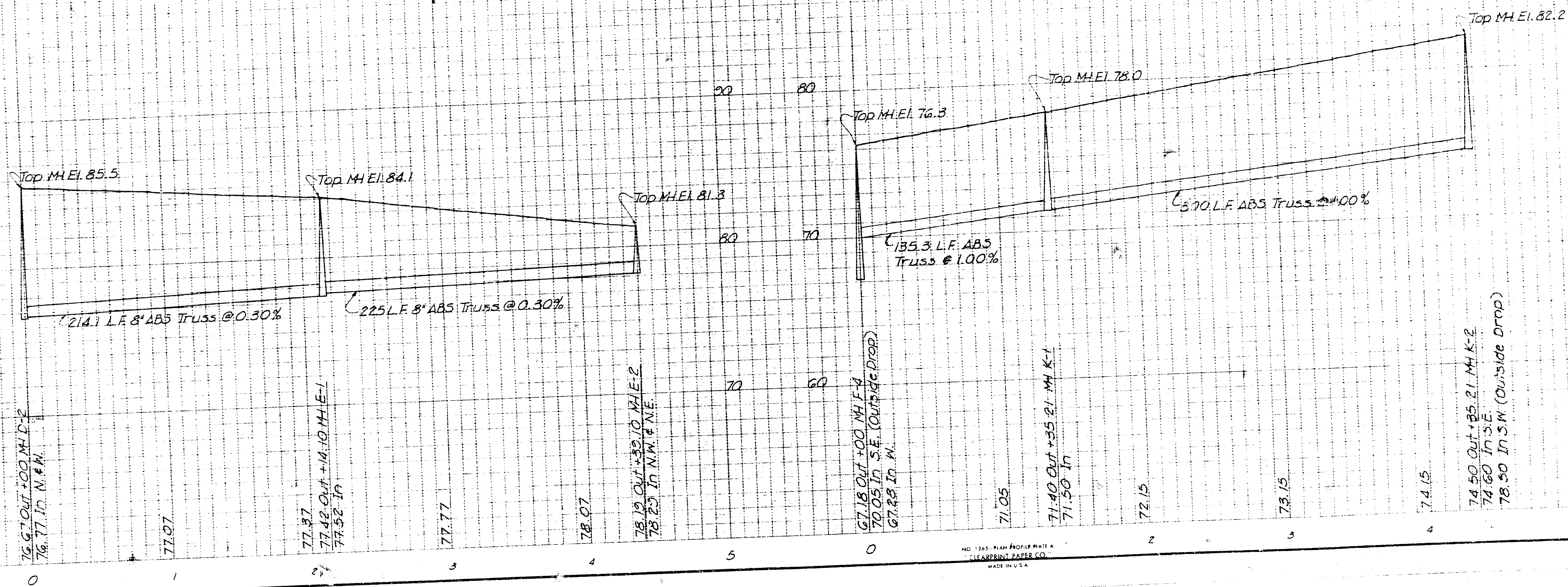


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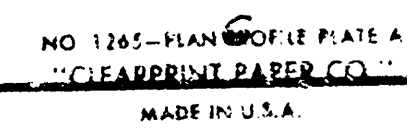
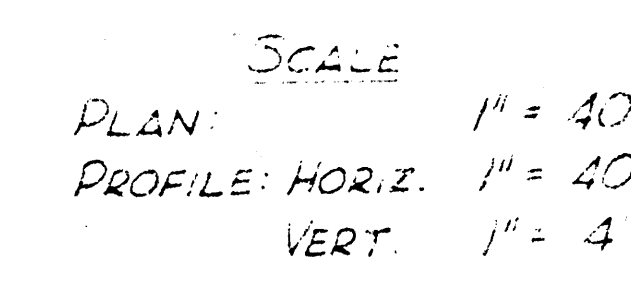
Sta. 4+34.43 MH D-2 =
Sta. 0+00 MH Line E

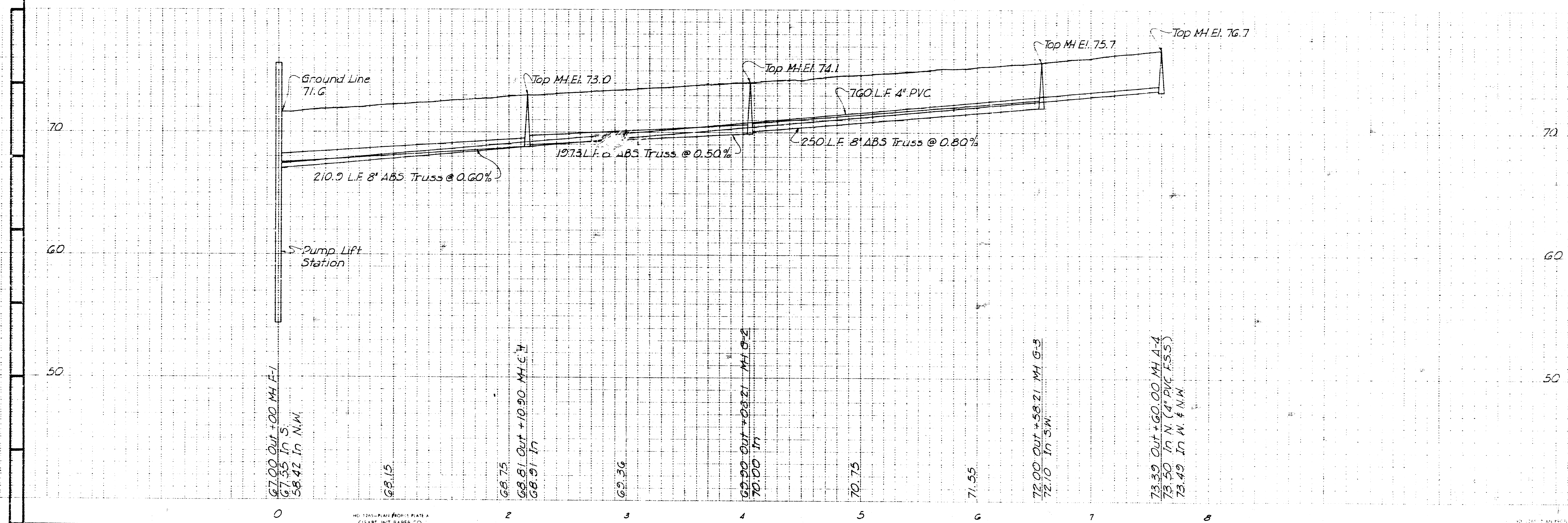
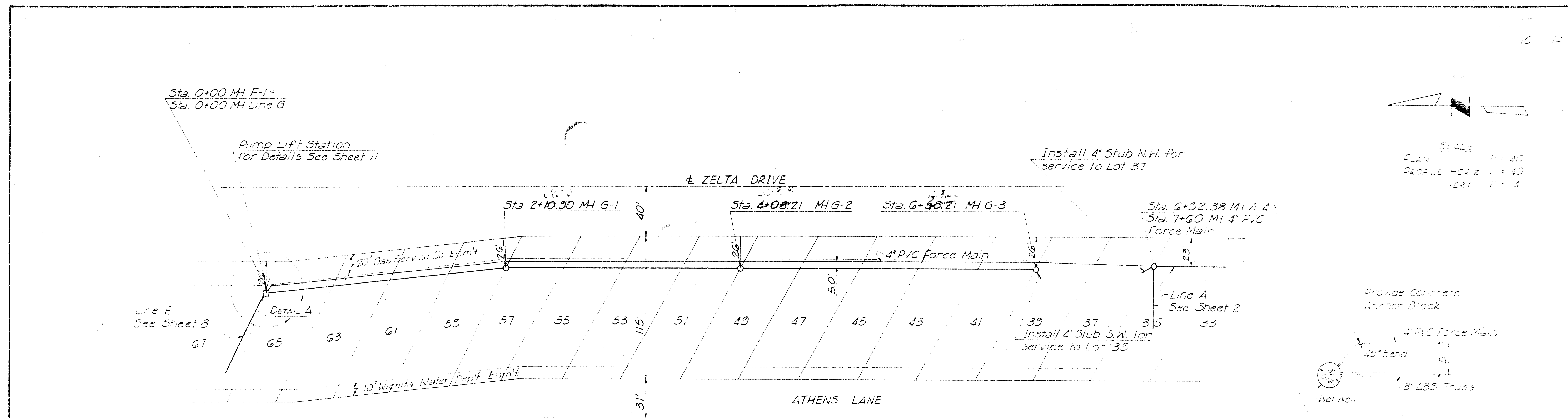


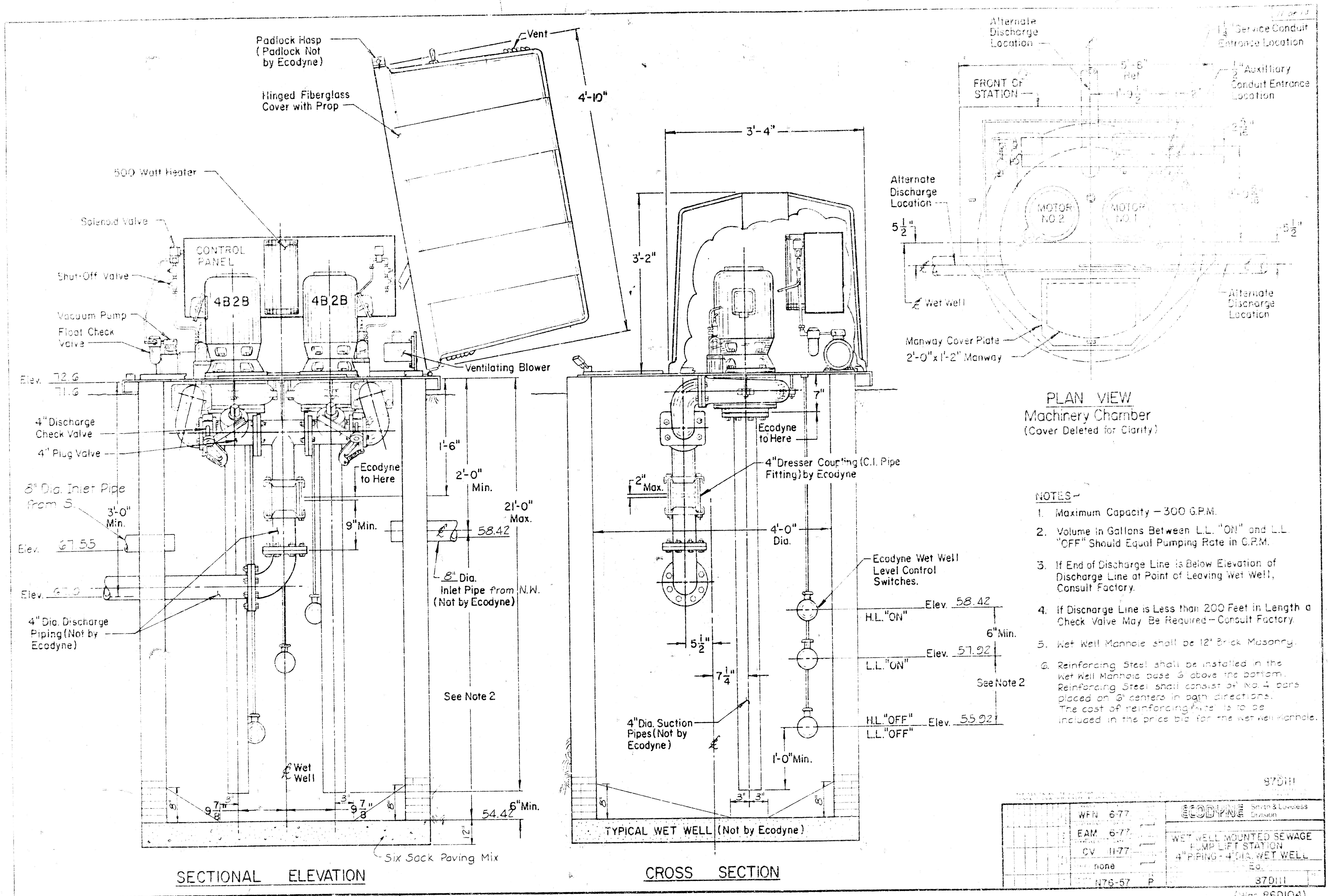
SCALE
PLAN: 1" = 40'
PROFILE: HORIZ. 1" = 40'
VERT. 1" = 4'



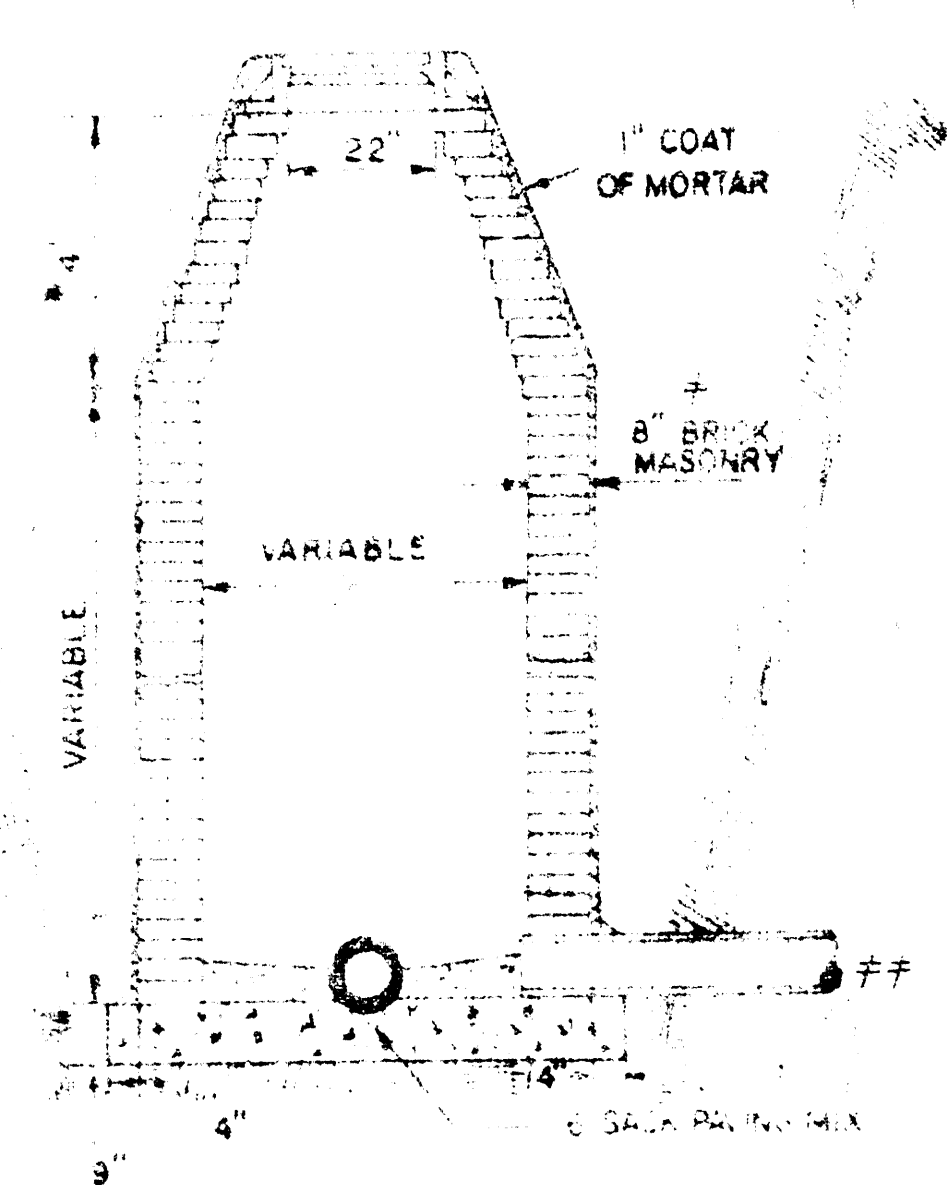
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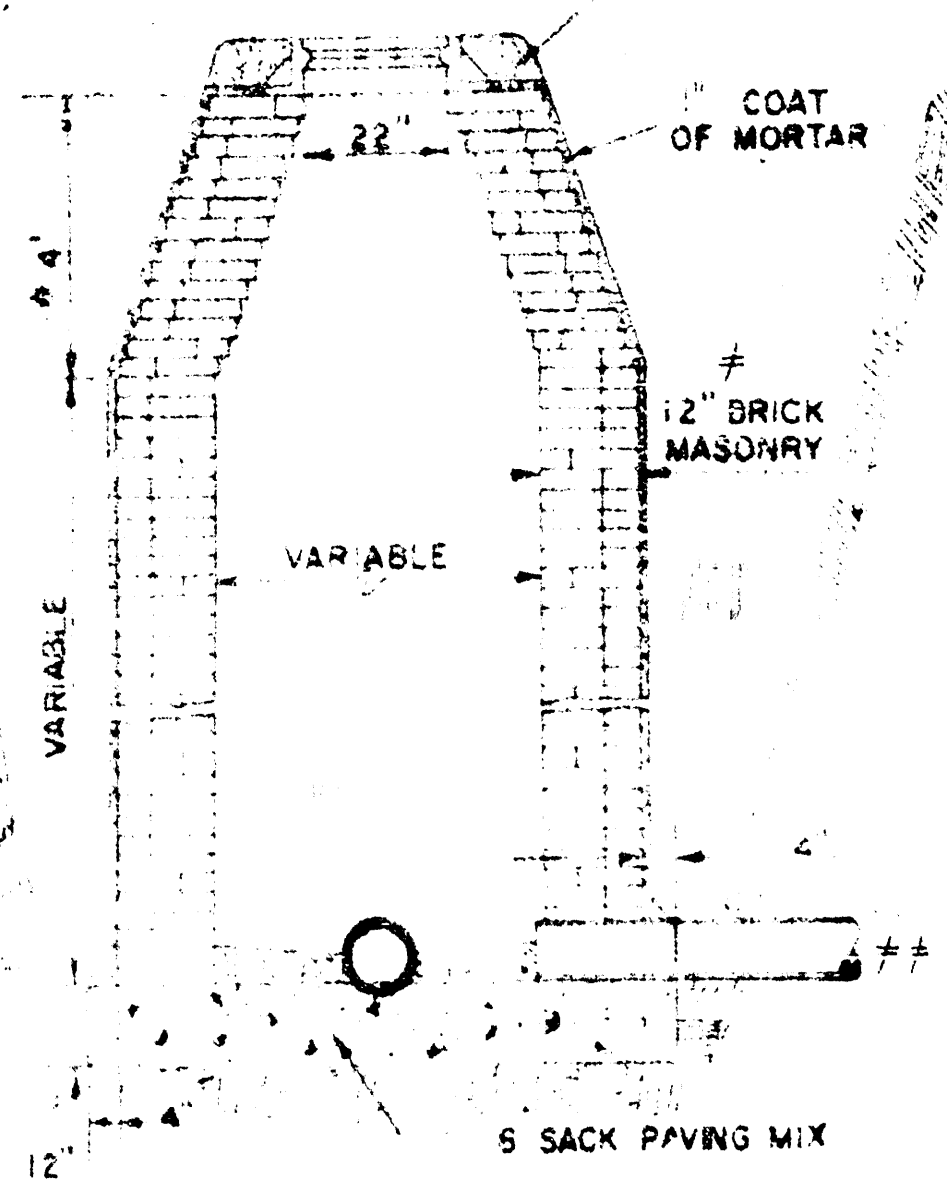




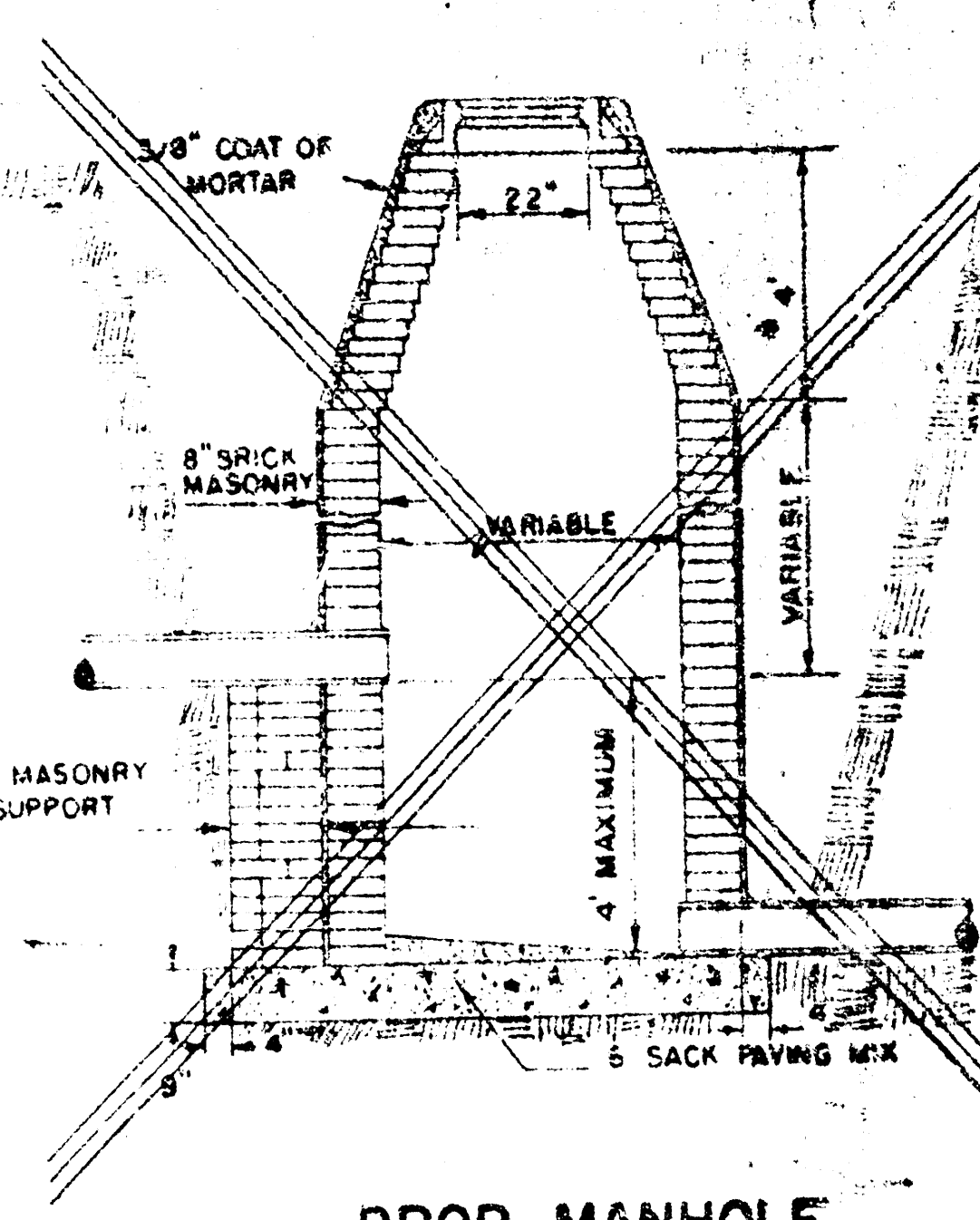
GROUT TO BE PLACED AROUND MANHOLE RING ONLY WHEN MANHOLE IS CONSTRUCTED IN UNPAVED AREAS. (TYPICAL ALL MANHOLES)



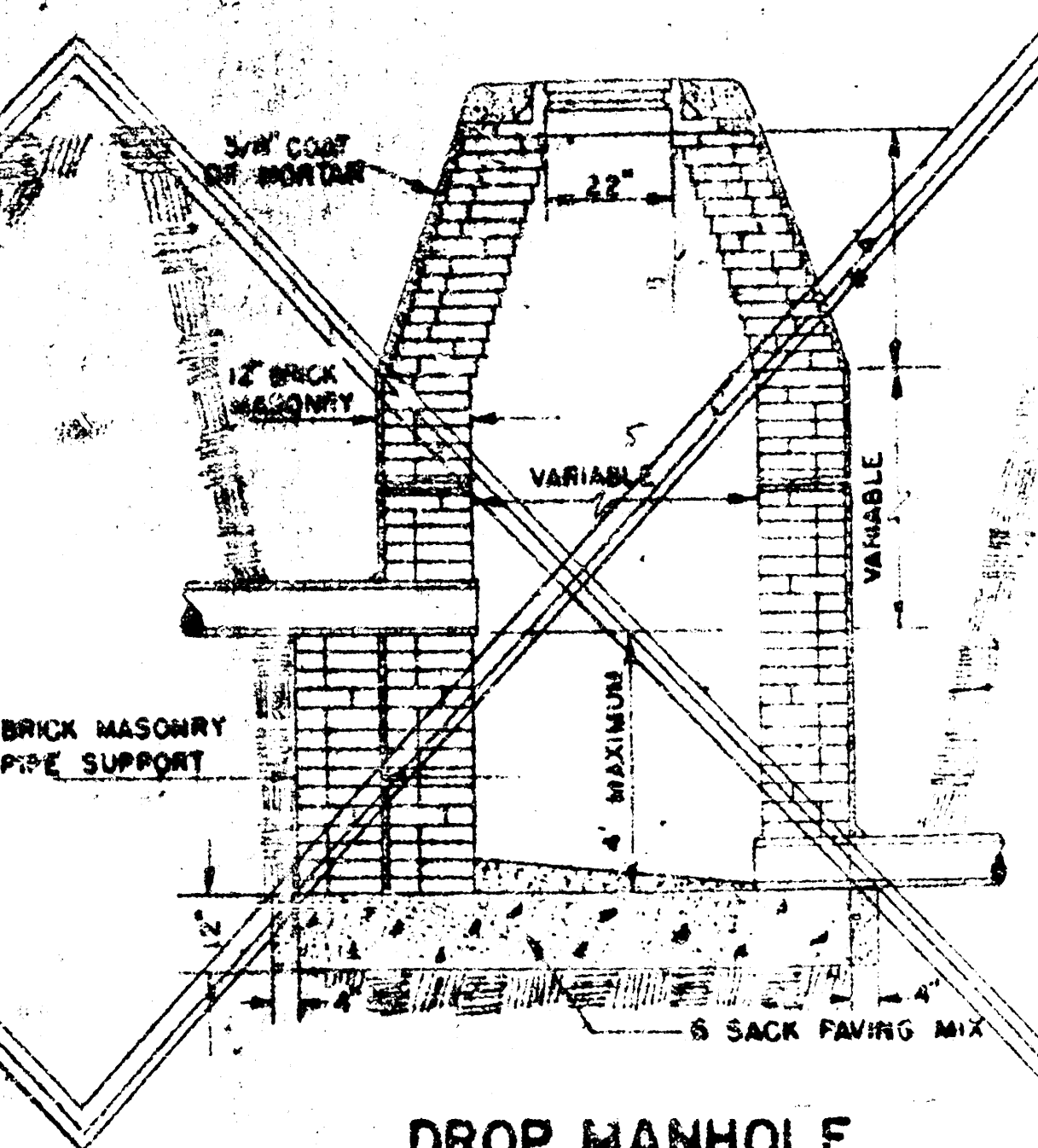
STANDARD MANHOLE TYPE "A"



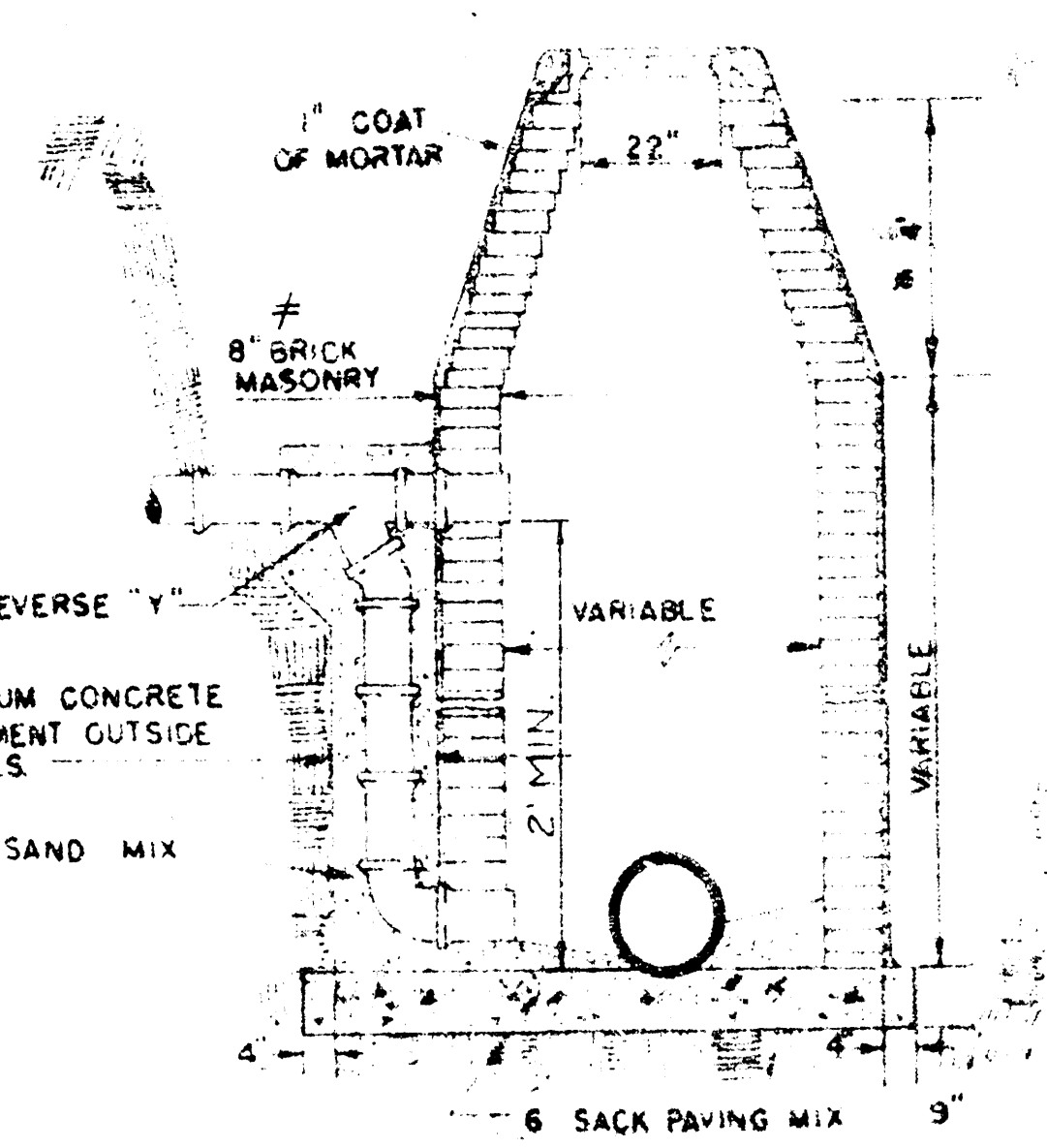
STANDARD MANHOLE TYPE "B"



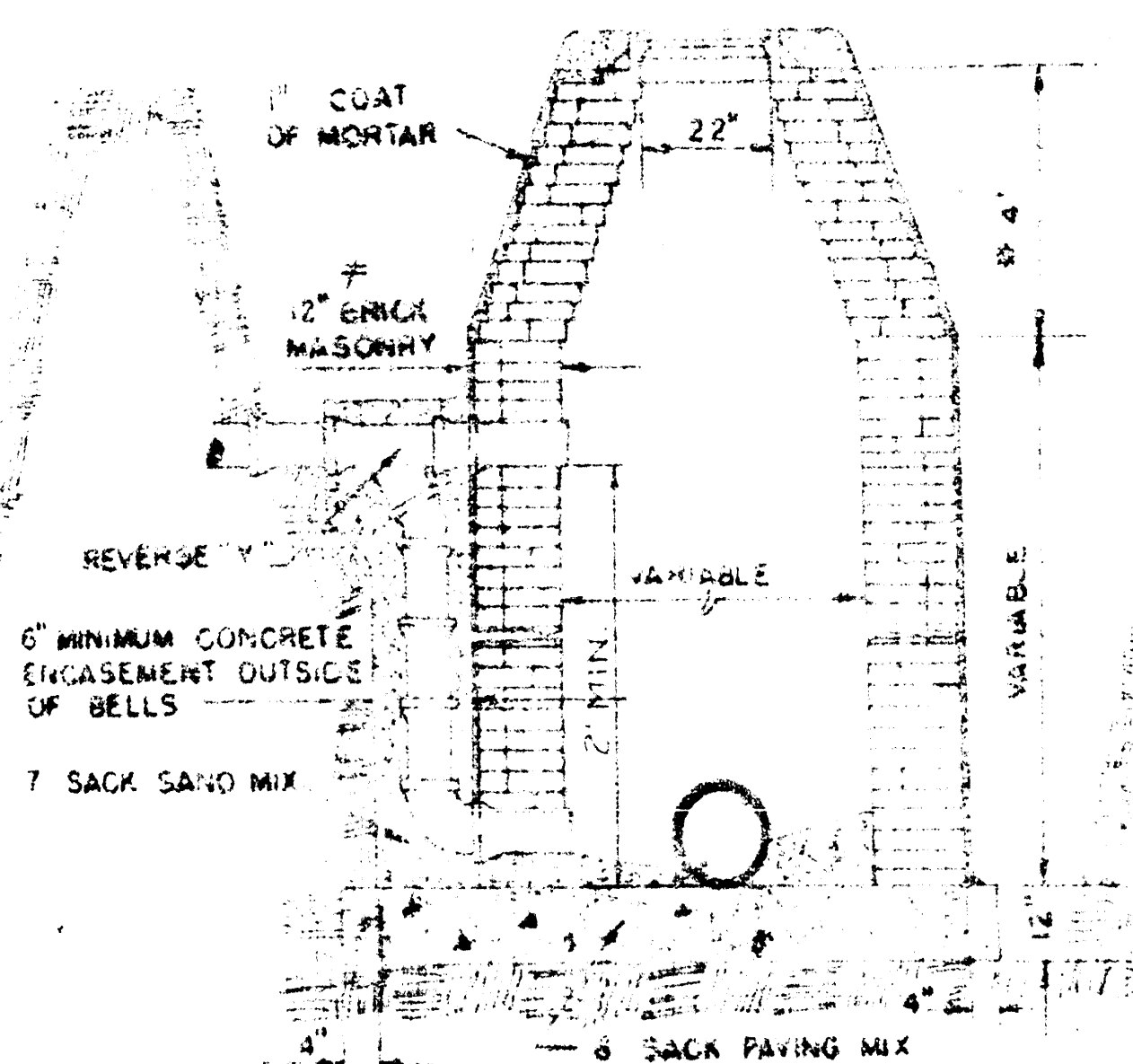
DROP MANHOLE TYPE "A"



DROP MANHOLE TYPE "B"



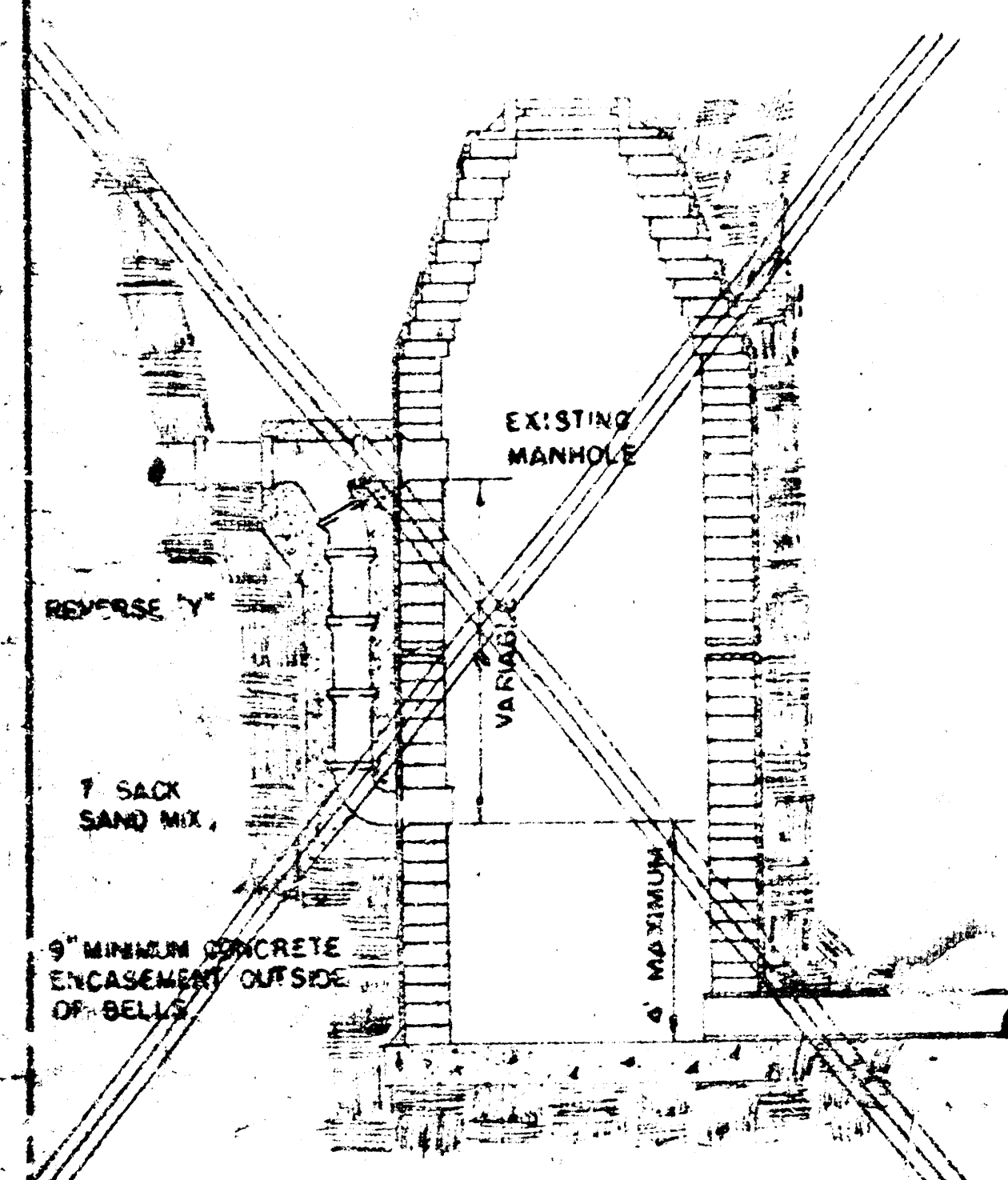
OUTSIDE DROP MANHOLE TYPE "A"



OUTSIDE DROP MANHOLE TYPE "B"

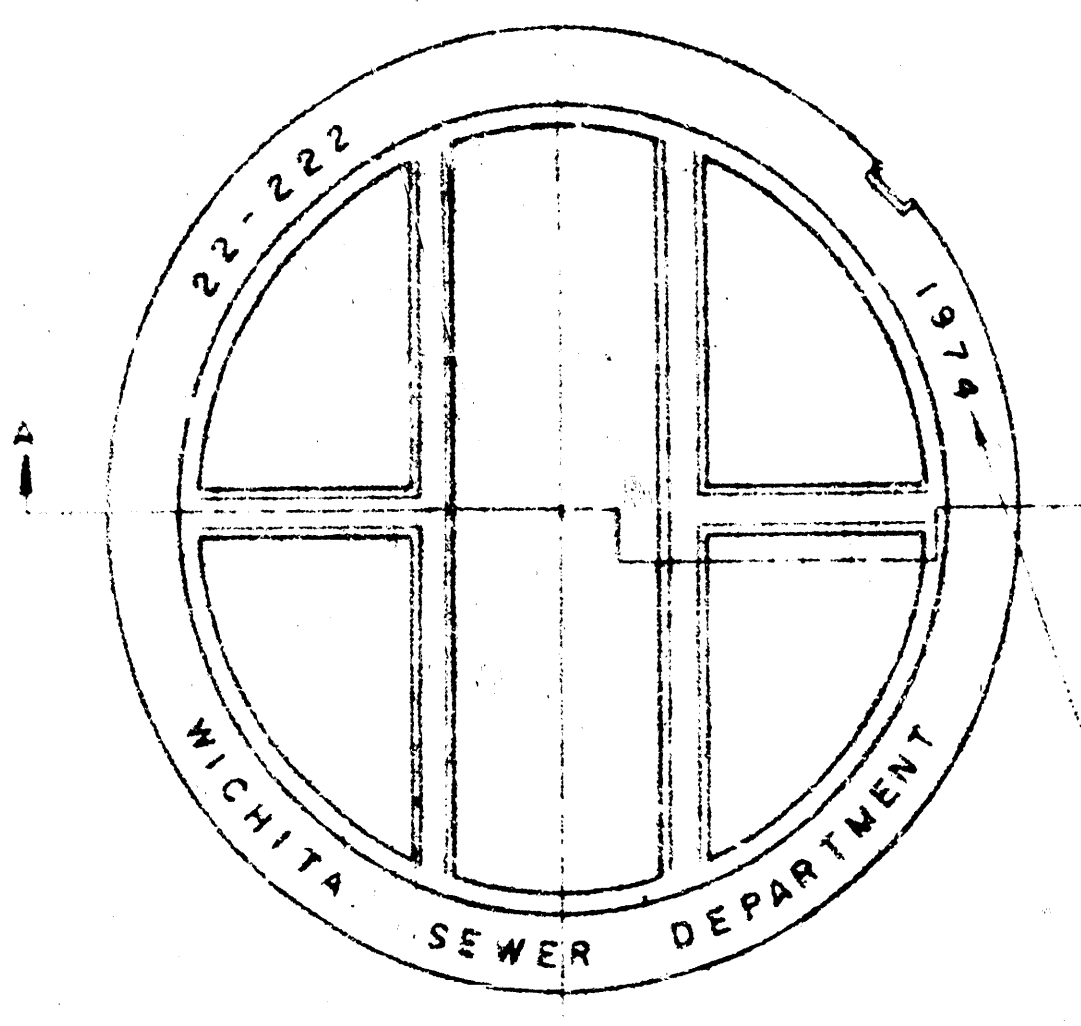
* DRAW = 6' ON 5' DIA. M.H.

NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.

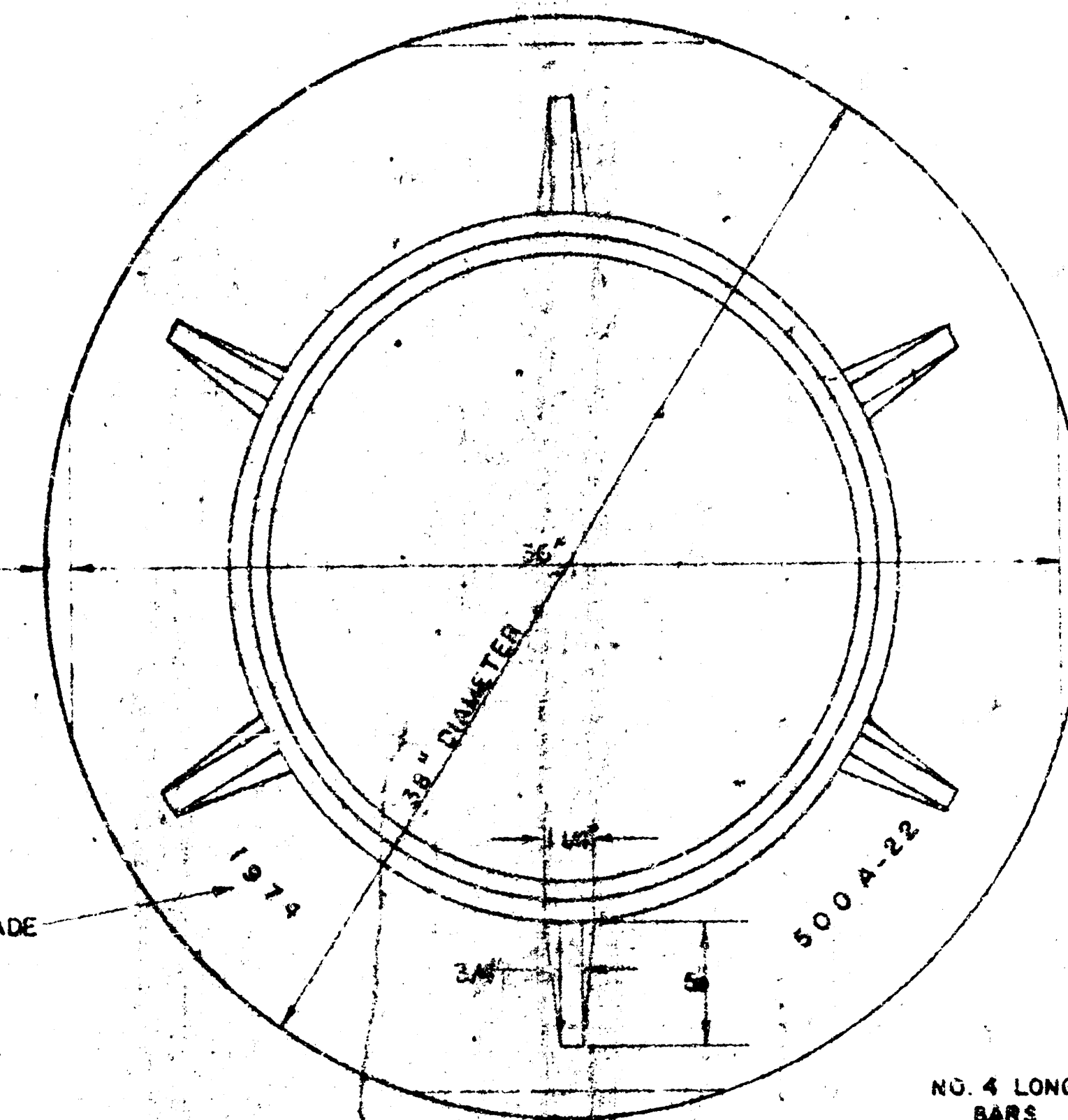


DETAIL OF DROP STACK

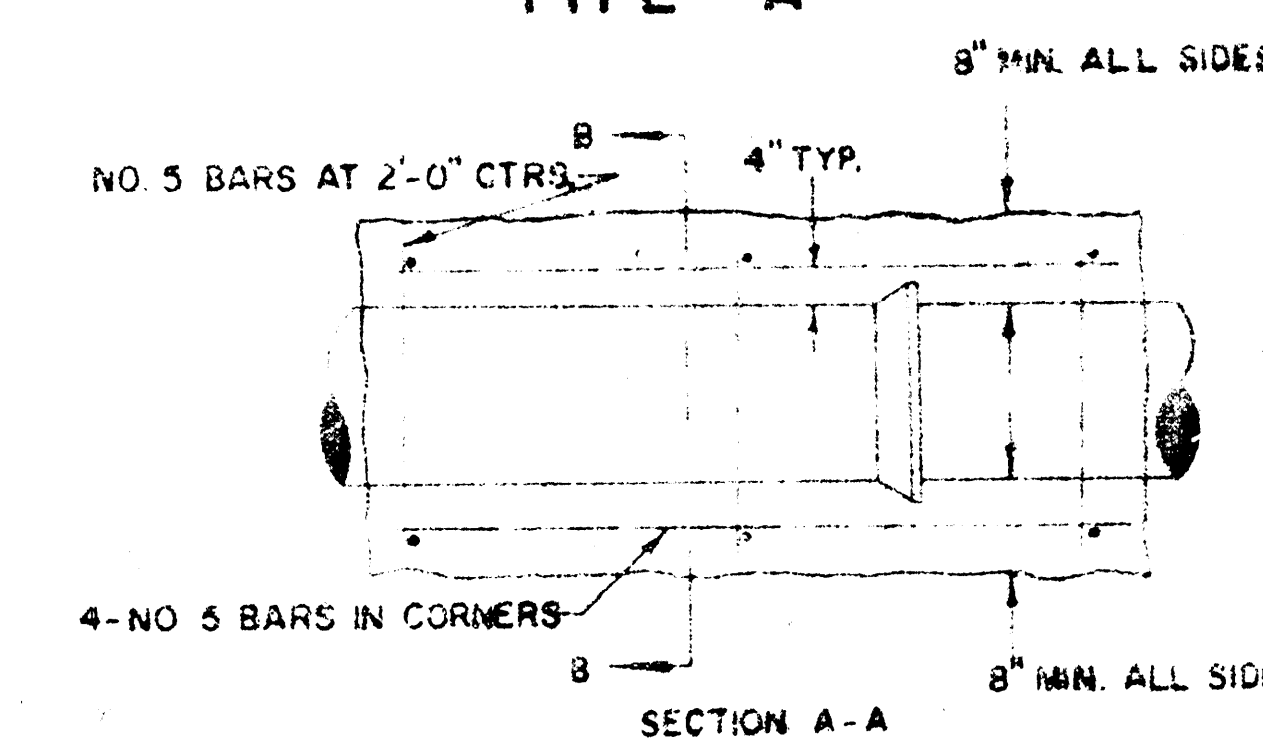
FOR EXISTING MANHOLES IN GROUND WATER



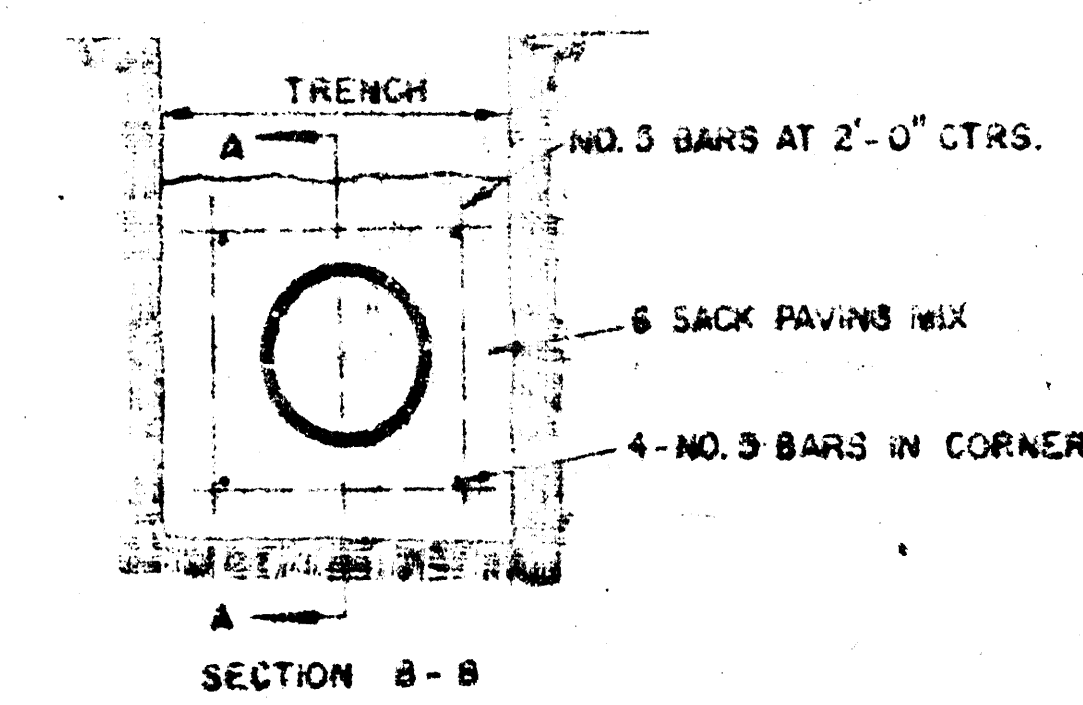
MANHOLE COVER
WEIGHT 110 LBS.



MANHOLE RING
WEIGHT 325 LBS. RING NO. 500A
WEIGHT 800 LBS. RING NO. 500AS



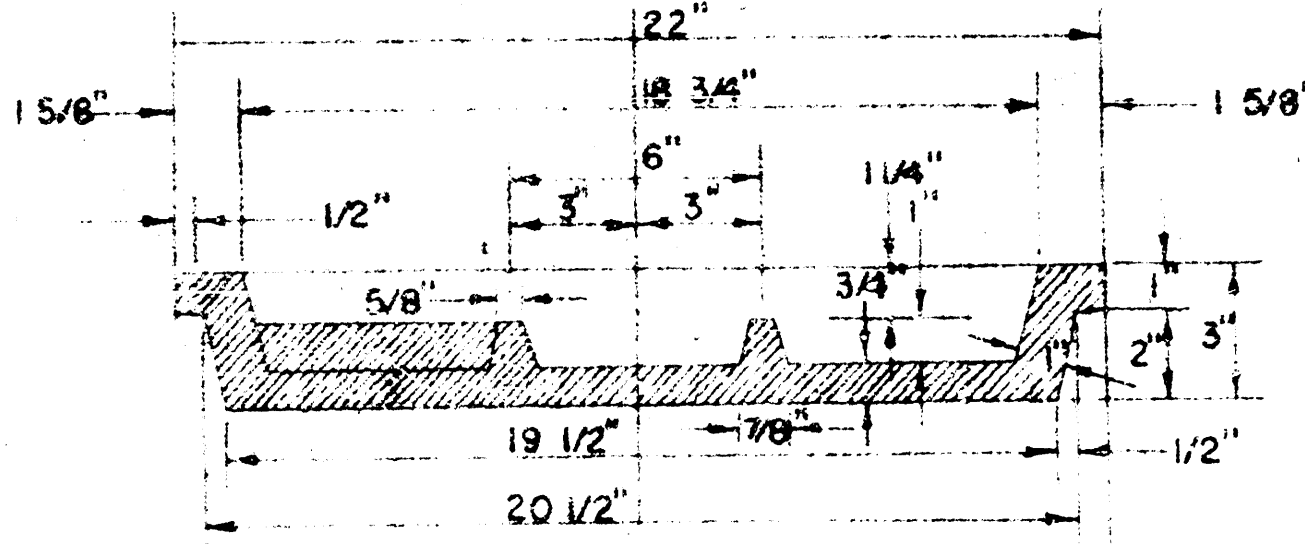
REINFORCED CONCRETE ENCASMENT



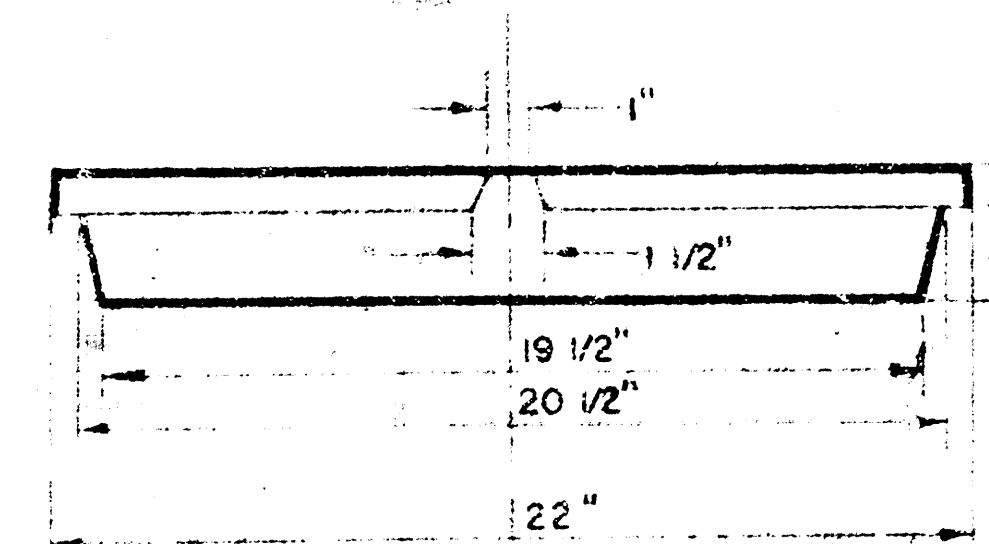
NOTE: CONCRETE ENCASMENT AND CONCRETE CRADLE SHALL BEGIN AND END AT A JOINT WHEN CLAY PIPE IS USED.
* The minimum manhole wall thickness for brick manholes shall be: at a depth of 0'-16' = 8", at a depth of 16' or greater = 12"
** All sewers constructed of rigid or semi-rigid pipe extending from all manholes shall be encased with concrete for a distance of three feet from the outside wall of the manhole. This support may be deleted if a flexible, watertight gasket is used to connect the sewer to the manhole. No support is required for sewers constructed of flexible pipe.

GENERAL NOTES

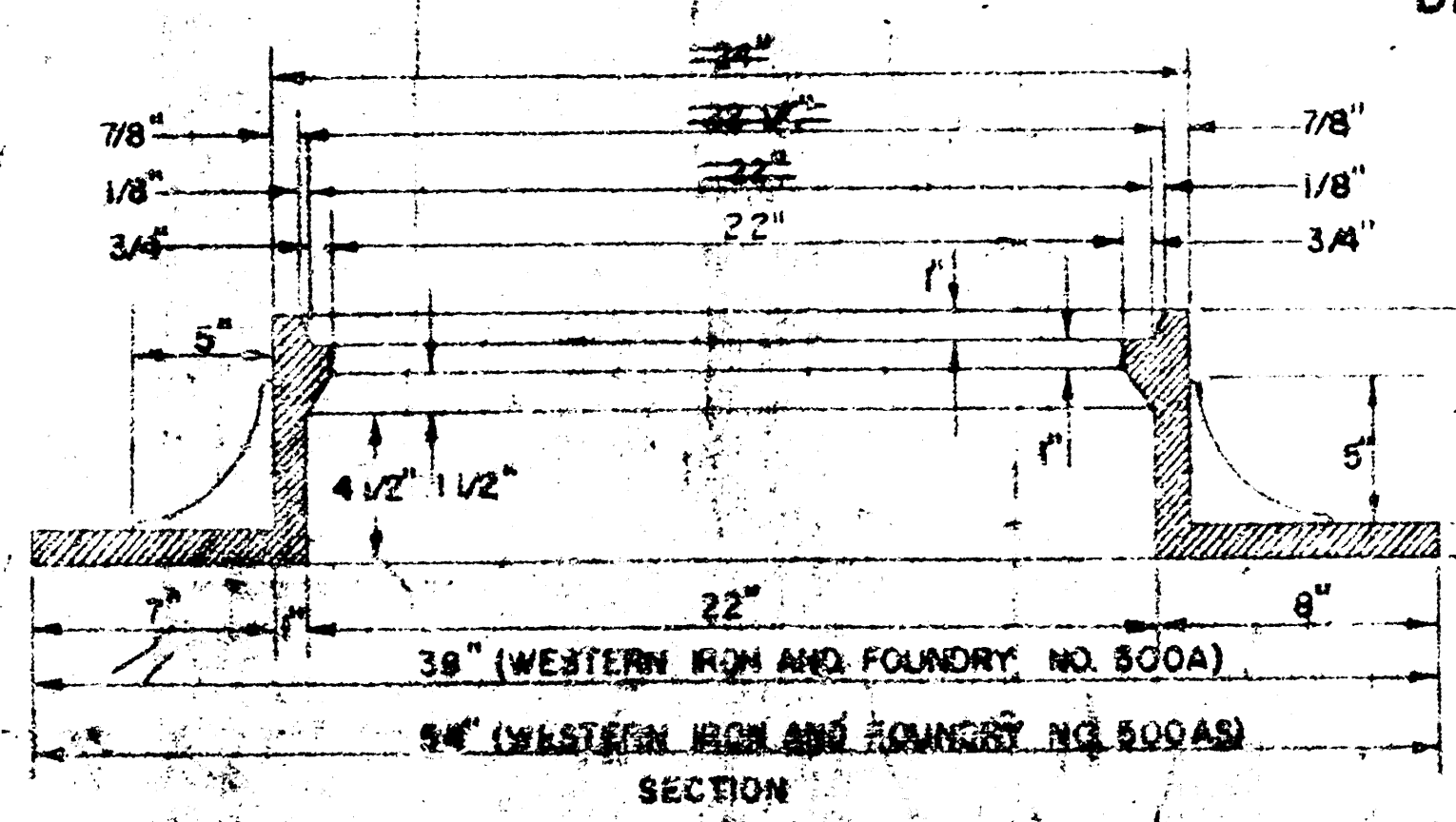
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD
- STANDARD MANHOLES TYPE "A" OR TYPE "B" AND STANDARD DROP MANHOLES TYPE "A" OR TYPE "B" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS SHALL 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
- PIPES INSTALLED WITHIN THE MANHOLE EXCAVATION SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. COST OF CRADLE WITHIN MANHOLE EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE. CRADLE SHALL EXTEND TO FIRST JOINT OUTSIDE OF MANHOLE WHEN CLAY PIPE IS USED.
- CAST-IN-PLACE MANHOLES, AS REFERENCED IN THE SPECIFICATIONS, MAY BE CONSTRUCTED AS AN ALTERNATE TO BRICK MANHOLES PROVIDING THE WALL AND BASE ARE POURED MONOLITHICALLY.



MANHOLE COVER

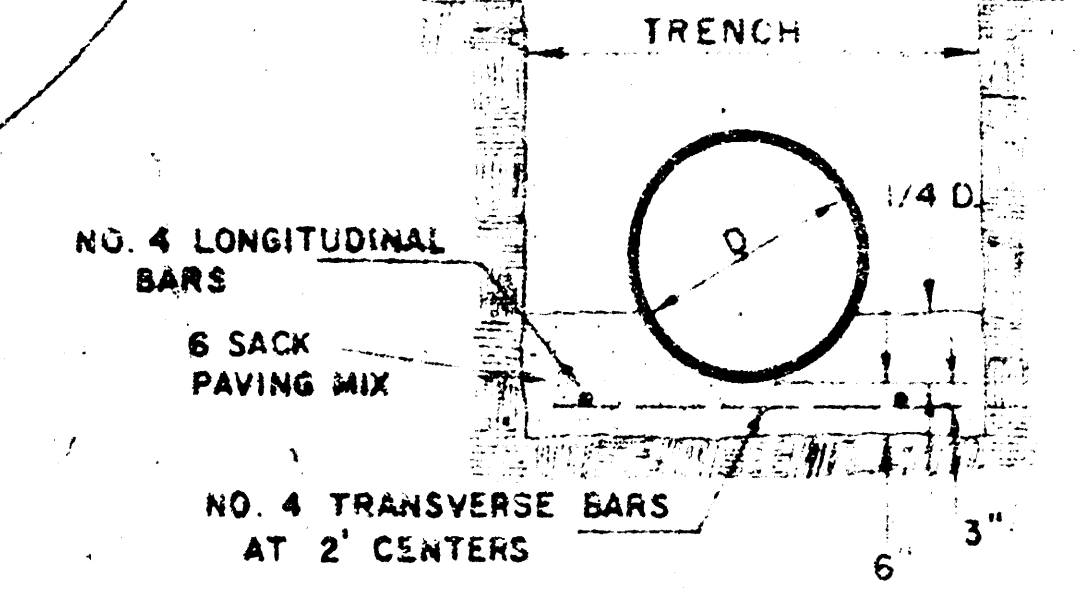


MANHOLE COVER

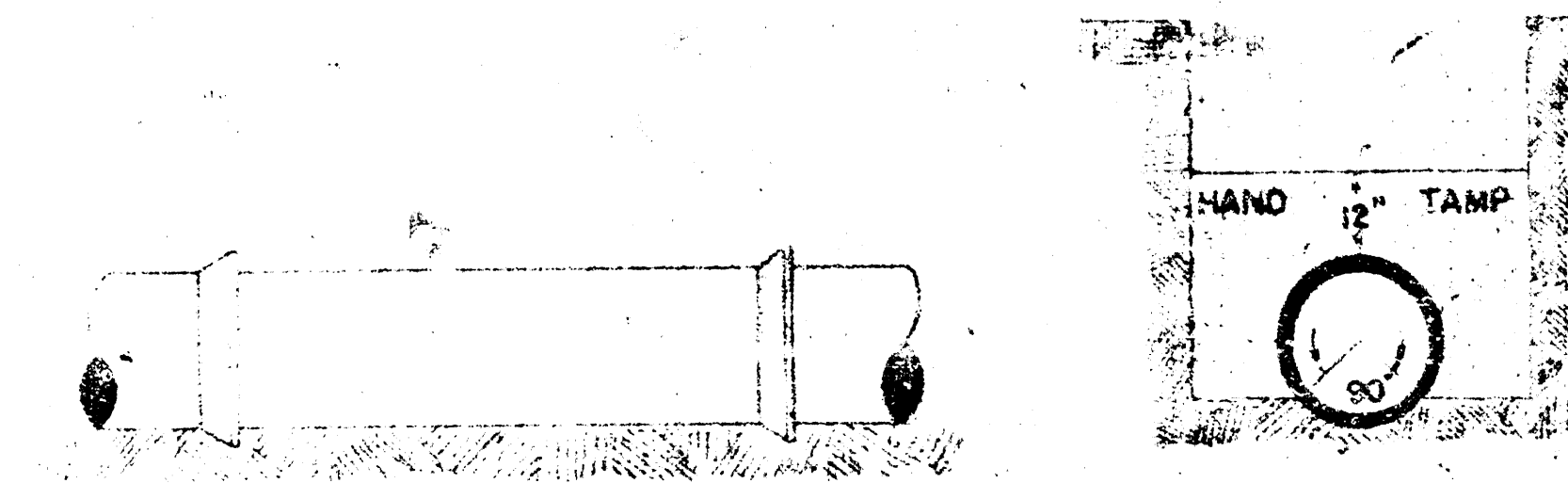


MANHOLE RING

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



DETAIL OF CONCRETE CRADLE



ORDINARY BEDDING METHOD *

STORM SEWER PIPE
* IMPROVED BEDDING FOR ABS PIPE
SHALL CONFORM TO ASTM D2321-74.

REVISED 4-13-77
DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1974

249-D-208



*This drawing for information only.
Individual service connections for
mobile homes will be by separate
contract.*

TABLE OF MANHOLES		
MANHOLE IDENTIFICATION	TYPE	DESCRIPTION
A-1	A	STANDARD
A-2	A	STANDARD
A-3	A	STANDARD
A-4	A	STANDARD
A-5	A	STANDARD
A-6	A	STANDARD
A-7	A	STANDARD
A-8	A	OUTSIDE - CP
A-9	A	STANDARD
A-10	A	STANDARD
B-1	A	STANDARD
B-2	A	STANDARD
B-3	A	STANDARD
B-4	A	STANDARD
B-5	A	OUTSIDE - PROP
B-6	A	STANDARD
B-7	A	STANDARD
B-8	A	STANDARD
B-9	A	STANDARD
C-1	PROP LIFT STATION	RESERVOIR
C-2		STANDARD
F-1	A	OUTSIDE - PROP
F-2	A	STANDARD
F-3	A	STANDARD
F-4	A	OUTSIDE - PROP
F-5	A	STANDARD
F-6	A	OUTSIDE - PROP
F-7	A	OUTSIDE - PROP
G-1	A	STANDARD
G-2	A	STANDARD
G-3	A	STANDARD
H-1	A	OUTSIDE - PROP
H-2	A	STANDARD
H-3	A	OUTSIDE - PROP
H-4	A	STANDARD
H-5	A	OUTSIDE - PROP
I-1	A	STANDARD
I-2	A	STANDARD
J-1	A	STANDARD
J-2	A	STANDARD

This project shall be constructed in accordance with the latest specifications for Sanitary and Storm Sewers of the City of Atlanta, Georgia, and as otherwise indicated or ordered on the plan, and will conform in all respects to the final standards of Design for sewer collection, treatment facilities, effluent, and storm water, as set forth in the latest editions of the National Sanitation Standards, and the "Manual Standards" for sewerage, as published by the National Sanitation Standards Board.

All sanitary sewer construction under this contract shall be water-tight and shall be tested for Airtightness, Watertightness, and Defect on and at the expense of the Contractor prior to acceptance. Any defects shall be corrected at the expense of the Contractor prior to acceptance and a retested after repairs are made by the Contractor. All testing shall conform with the Minnesota Rules and Regulations, Chapter 61, Sections 81.02 and 81.03.

All potable water supplies shall be protected in accordance with the Minimum Standard of Protection Chapter 11, Section 11.1.1.1 and 11.4.

Excavation, rock backfill and on flushing will not be paid for separately, the cost of

All 10 FPS Stubs as shown shall be 1" long unless otherwise indicated. They shall not be attached to the stubs, but shall be used as a guide for the location of the stubs.

Excess dirt to be wasted on site as directed by the engineer.

SUMMARY OF QUANTITIES		
ITEM	QUANTITY	UNIT
4" PVC	760	LF
4" ABS Solid Wall Pipe	100	LF
8" ABS Truss Pipe	7,121.4	LF
Reinf. Conc. Encasement	140	LF
Type A Standard Manhole	26	Each
Type A Outside Drop Manhole	9	Each
Wet Well Mounted Sewage Pump Lift Station	Lump Sum	L.S.

ENVIRONMENTAL ENTERPRISES INC.
CECIL MASTERS, PRES.; PAUL TREADWELL, SEC.-TREAS

LIFESTYLE MOBILE HOME PARK

AUXILIARY DETAILS



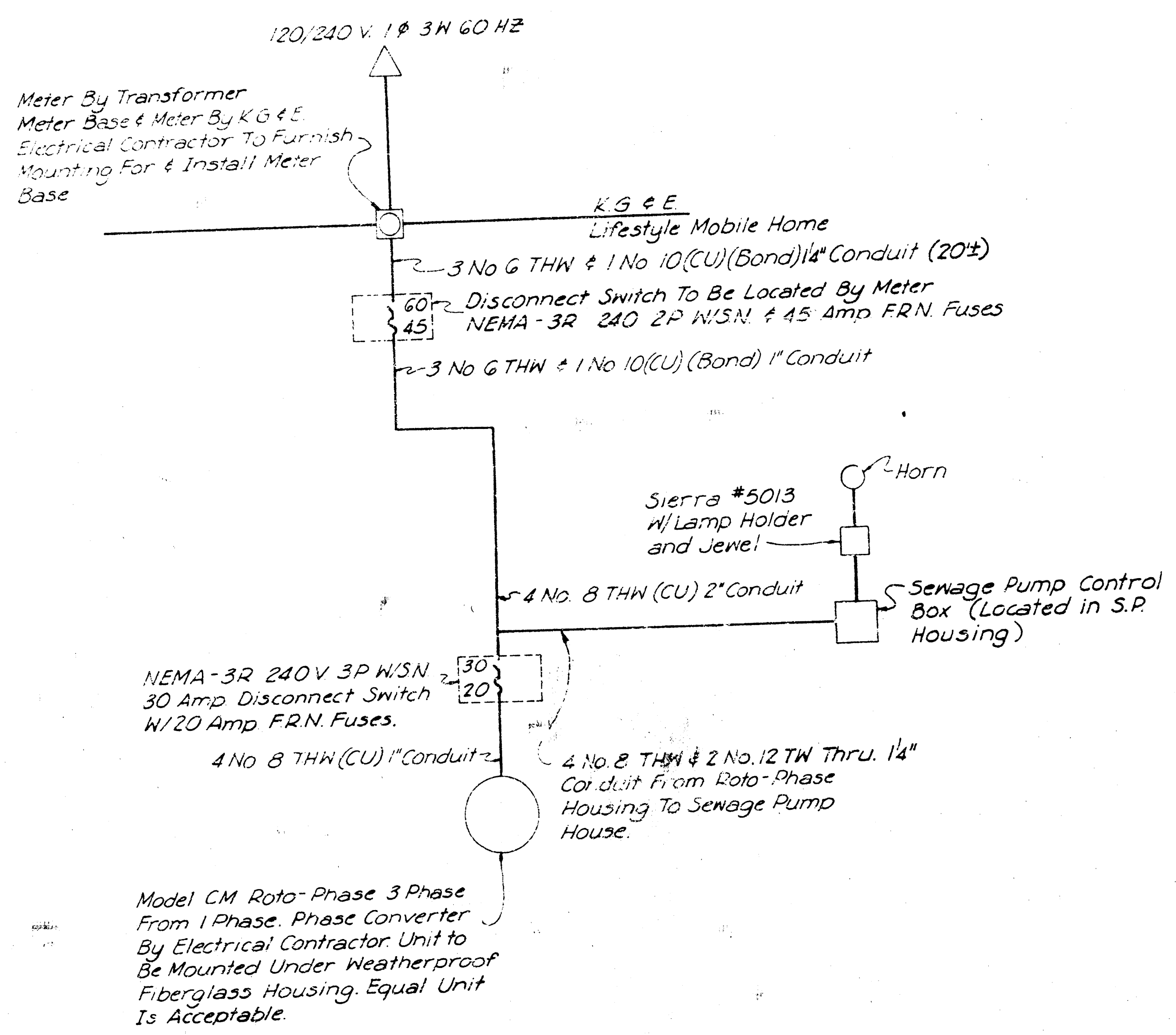
DELANE, R. FREUND & ASSOCIATES, P.A.
ENGINEERS & ARCHITECTS
WICHITA, KANSAS

SCALE

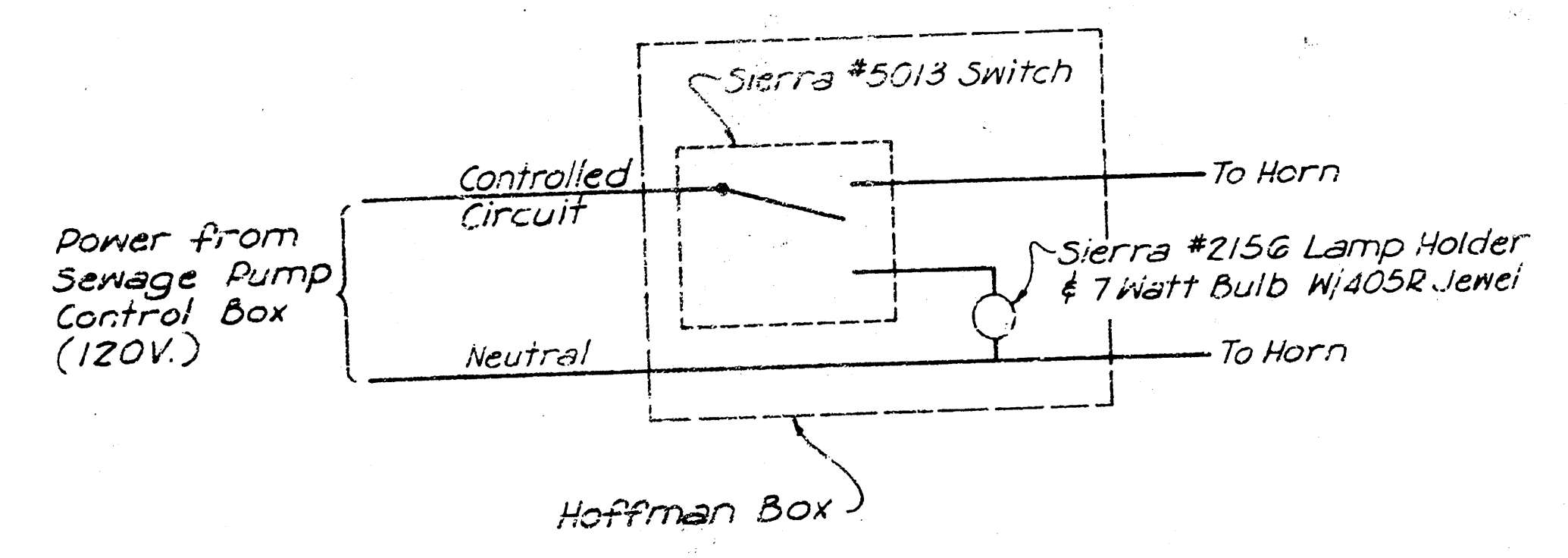
DATE *December 1978* DWG. NO. *249-D-209*

13/14

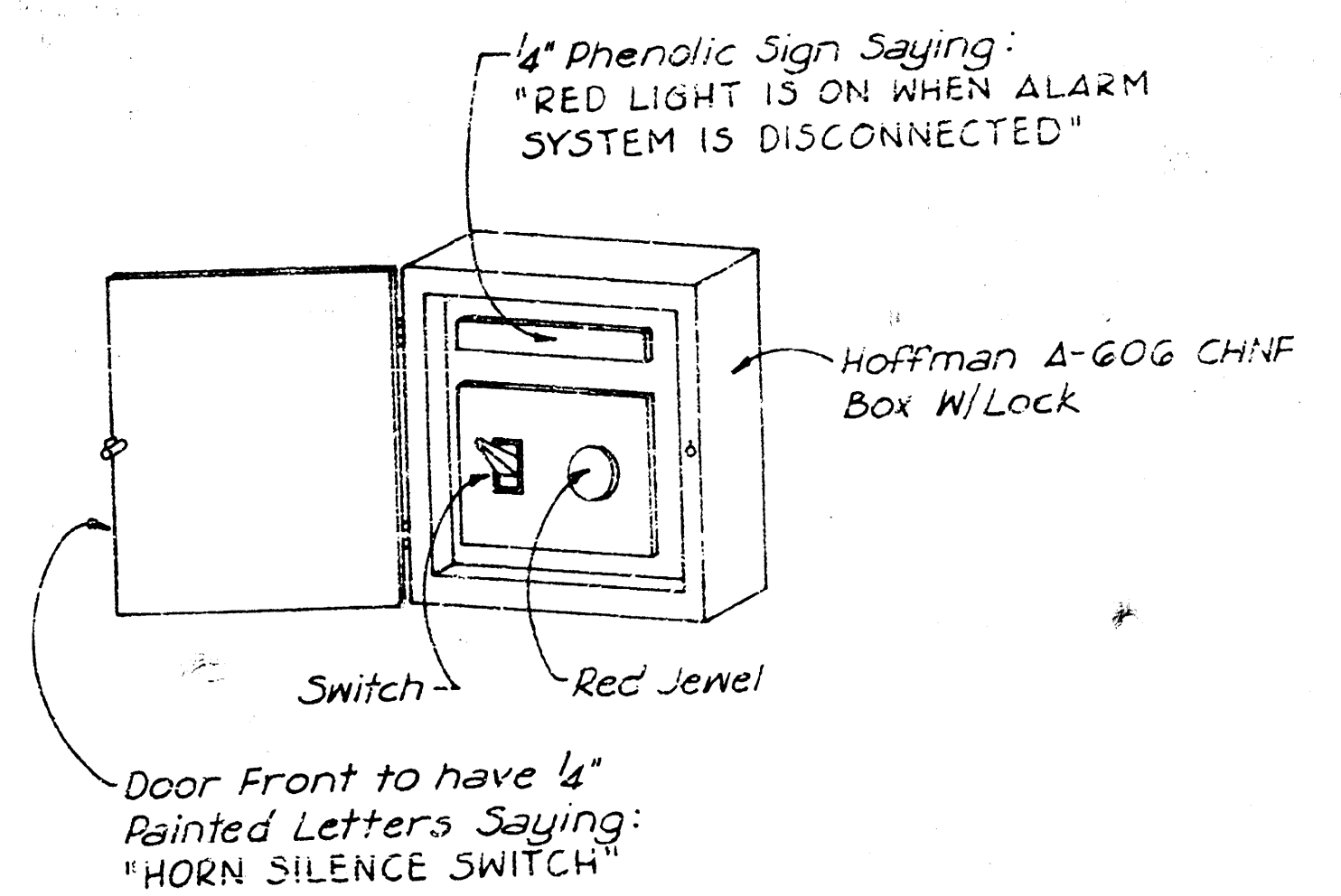
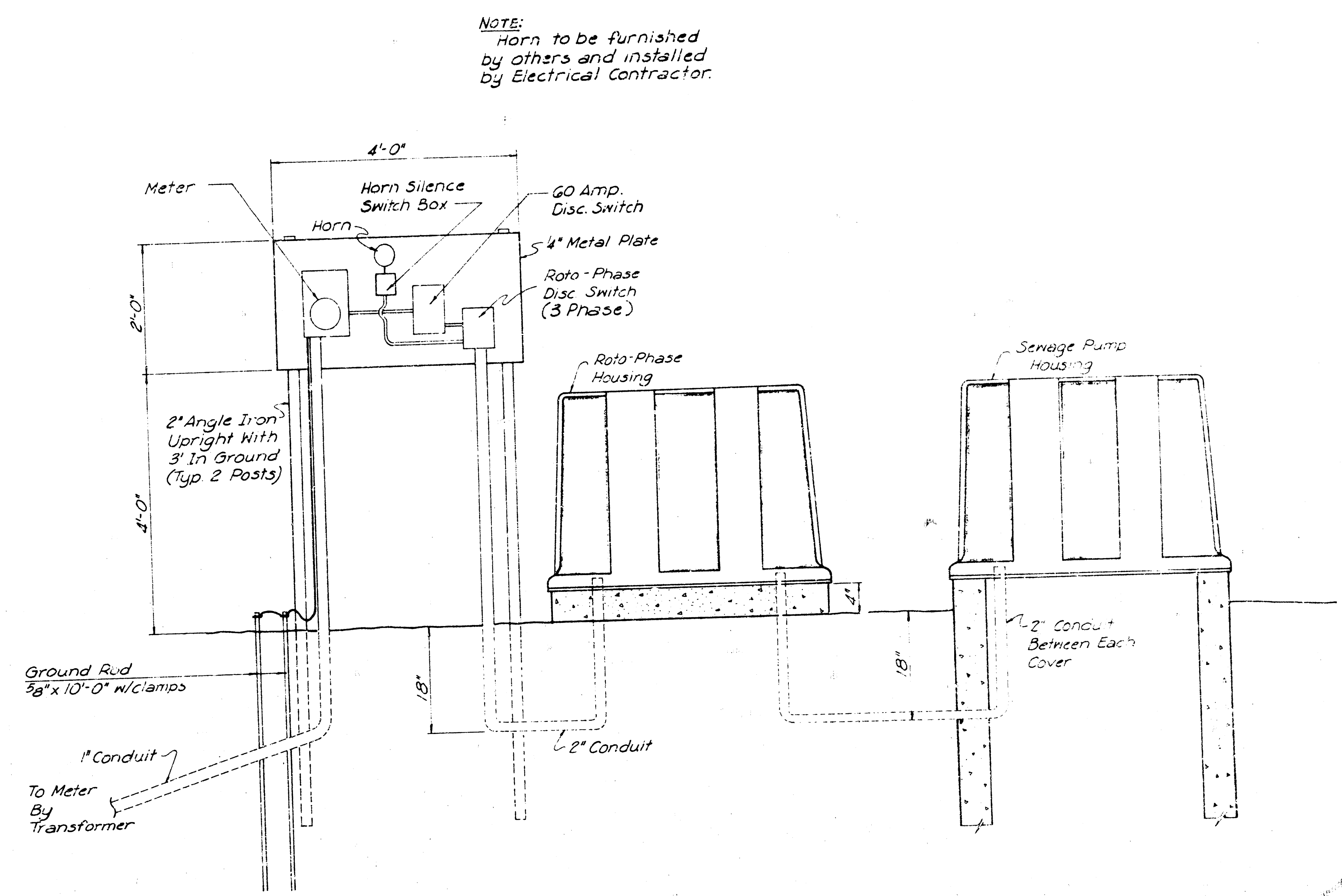
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ONE LINE DIAGRAM



HORN SILENCE SWITCH WIRING DIAGRAM



HORN SILENCE SWITCH BOX DETAIL

ENVIRONMENTAL ENTERPRISES INC. CECIL MASTERS, PRES.; PAUL TREADWELL, SEC.-TREAS.	
LIFESTYLE MOBILE HOME PARK	
ELECTRICAL DETAILS	
DZ	DELAMATER, FREUND & ASSOCIATES, P.A. ENGINEERS & ARCHITECTS WICHITA, KANSAS
SCALE	DATE December 1978 DWG. NO. 245-D-210