

LATERAL 23 , MAIN 22 , WAR. IND. SEWER PENSTEMON SECOND PHASE I

PROJECT NO.
468-76-245-81293-000-000-001

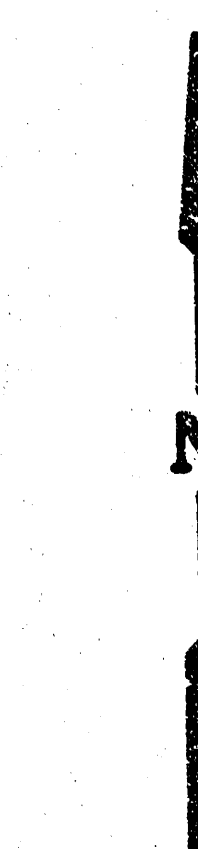
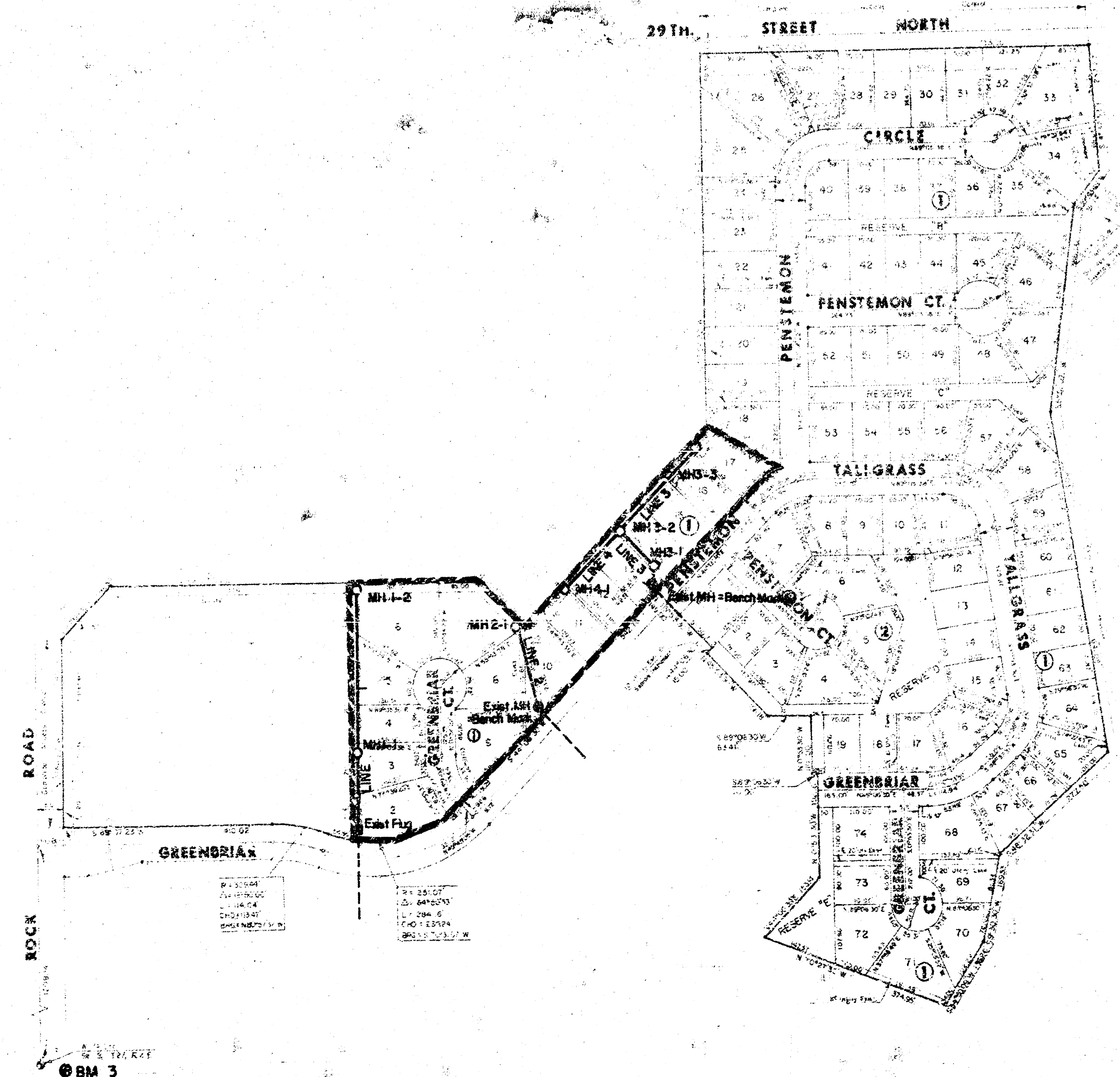
CITY OF WICHITA, KANSAS
MIKE LINDEBAK , CITY ENGINEER
MAY, 1983

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

BENCHMARKS

- BM ① = Top Of Manhole Elev. = 220.85
BM ② = Top Of Manhole Elev. = 219.69
BM ③ = Railroad Spike in Power Pole
200'± S. Of Greenbriar Street
Elev. = 222.44



Scale: 1" = 200'

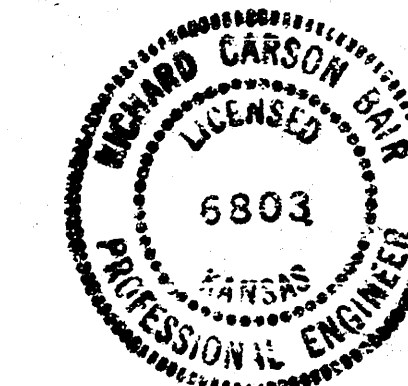
LEGEND

- Benefit District Boundry
- Proposed Sanitary Sewer
- Existing Sanitary Sewer

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LINE 1 & LINE 2
3	LINE 3 & LINE 4
4	MANHOLE DETAILS
5	FINAL PLAT

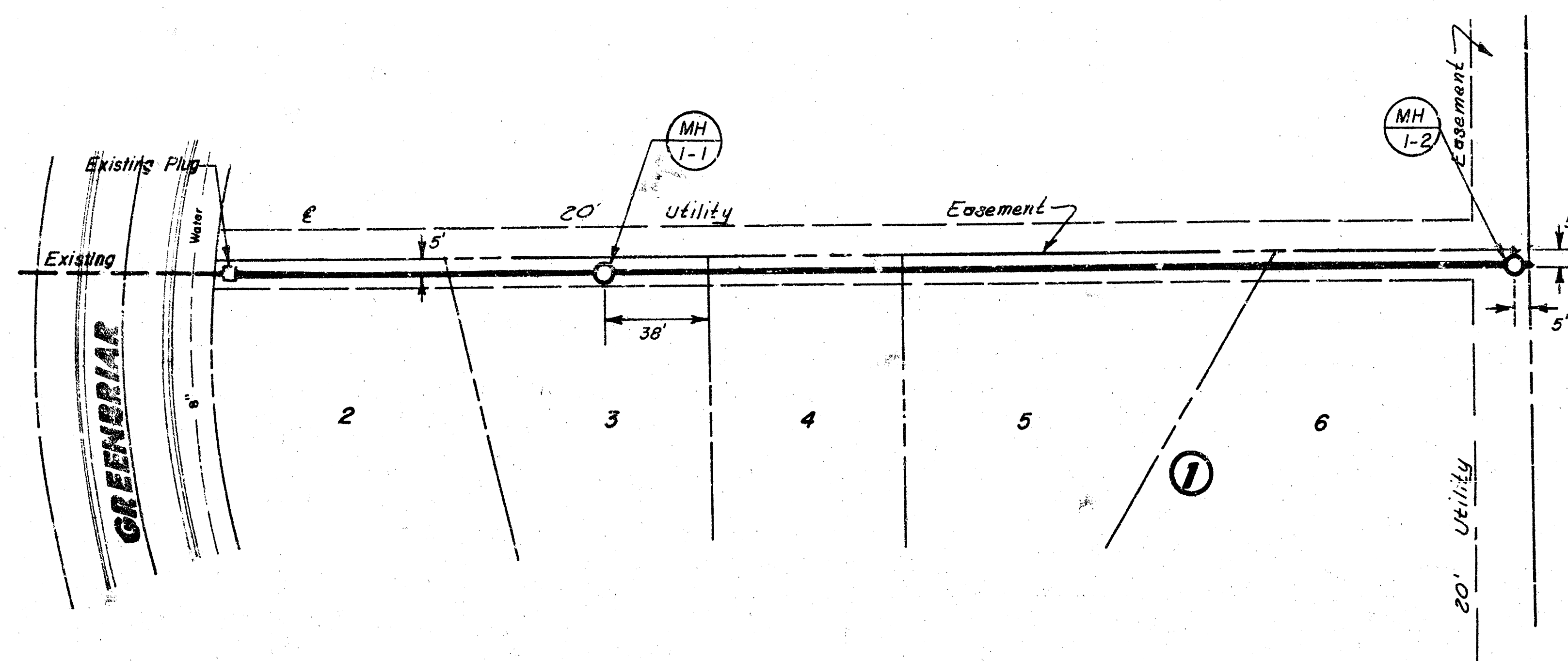
*As Built
S.L.L.
10-83*



	SANITARY SEWER EXTENSION PENSTEMON SECOND PHASE I	Design R.C.B. Drawn by D.L.M. Checked by K.H.B. Date JULY, 1983 250 ms.
	MID-KANSAS ENGINEERING CONSULTANTS PA 240 NORTH ROCK ROAD SUITE 100 WICHITA, KANSAS 67206	Sheet 1 of 5
	682-6561	

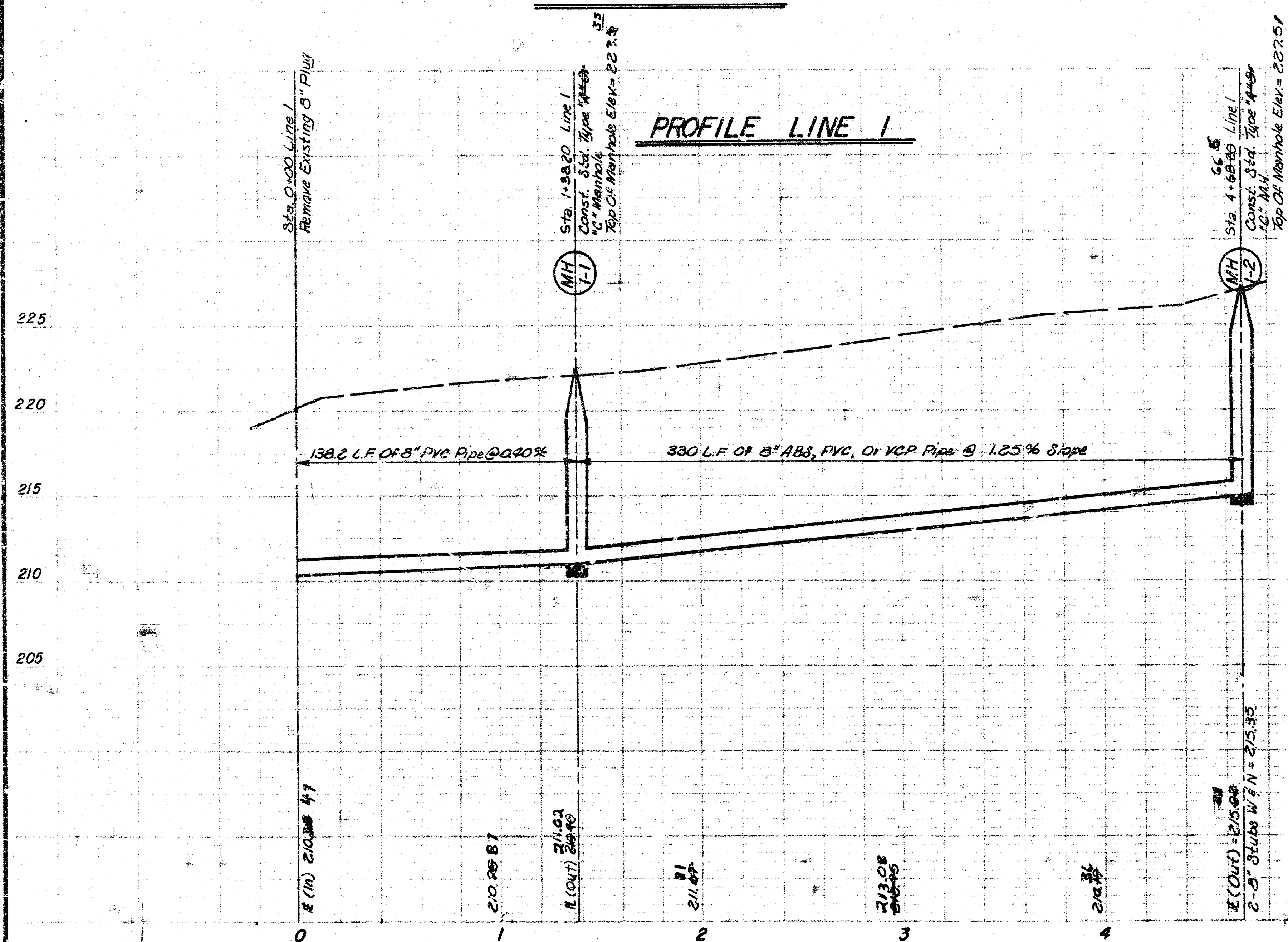
PENSTEMON SECOND PHASE I
 LATERAL 23, MAIN 22, W. I. S.
 458-76-245- 81253 -000-000-001

N
 Scale:
 1" = 40' Horiz.
 1" = 5' Vert.



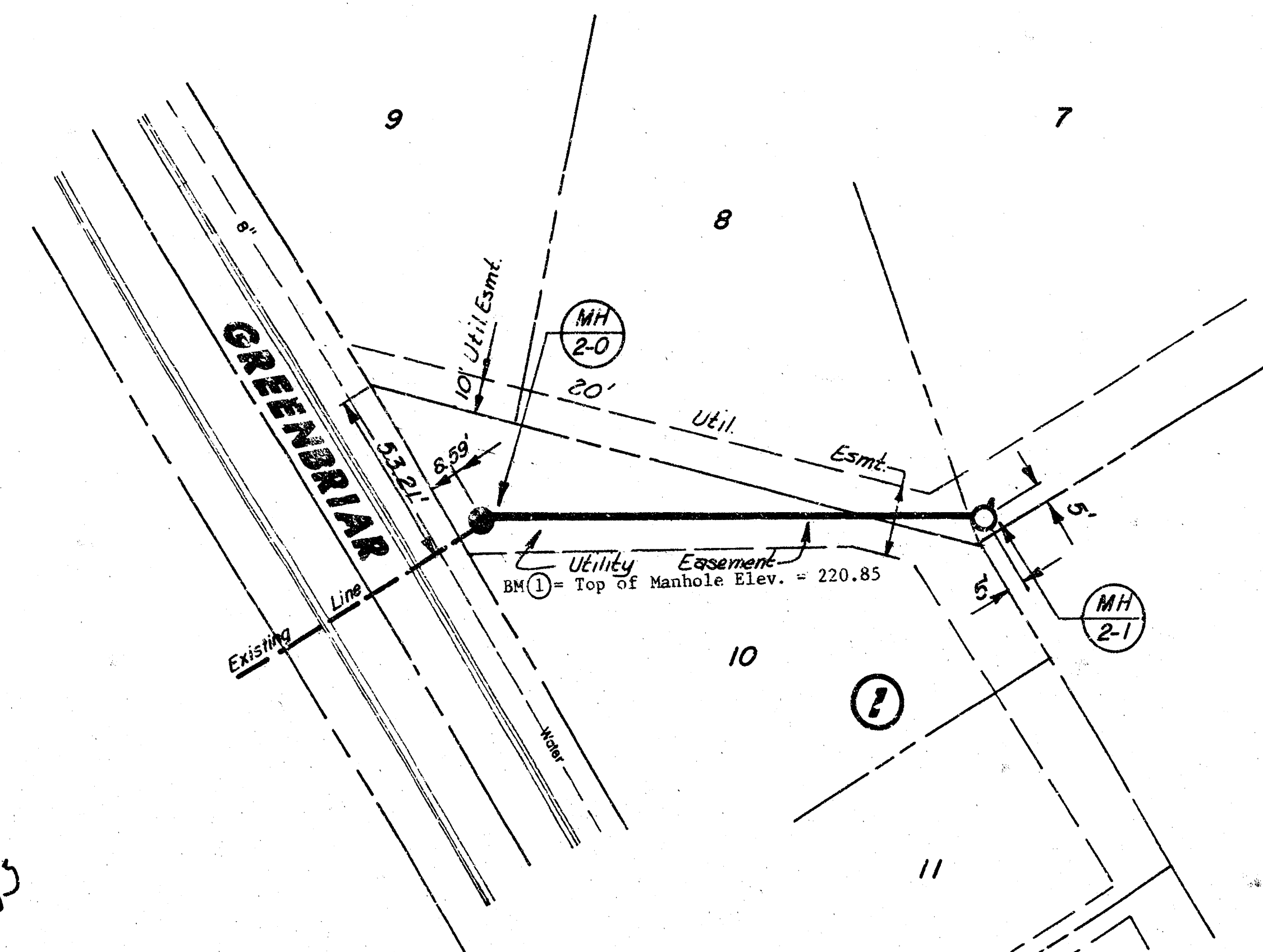
PLAN LINE 1

PROFILE LINE 1



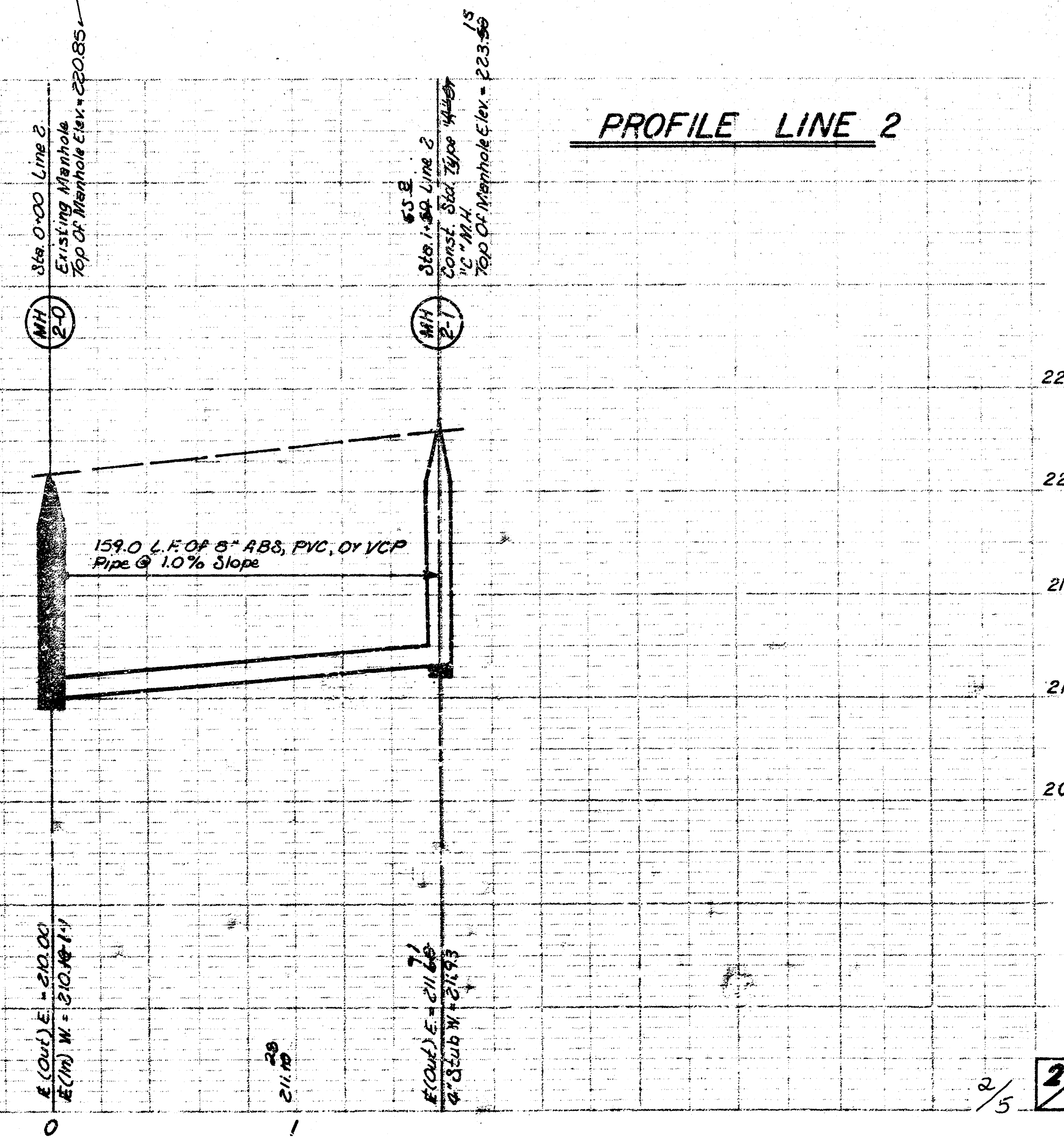
As Boring
 J.L.
 10/85

N
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 1" = 5' Vert.

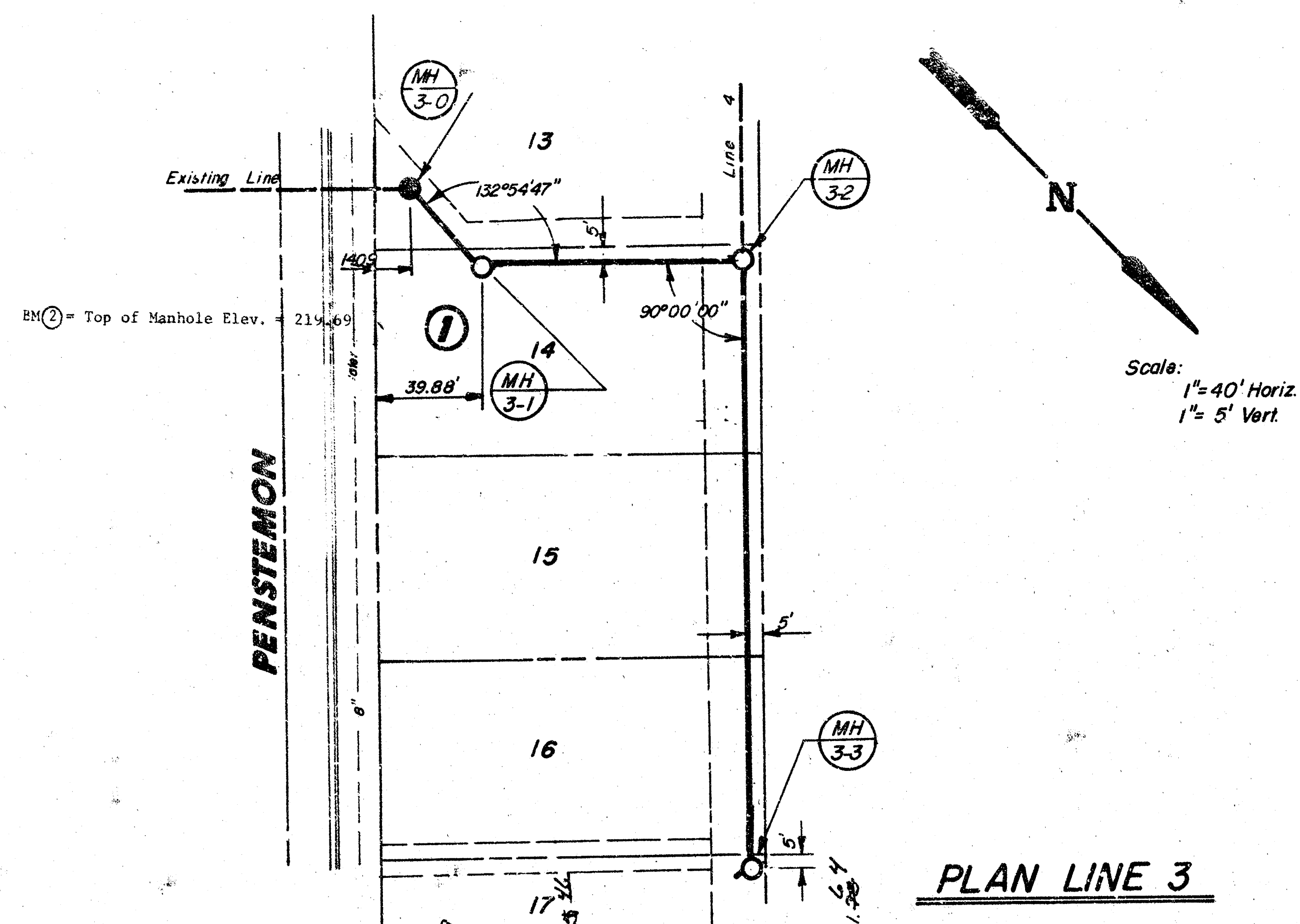


PLAN LINE 2

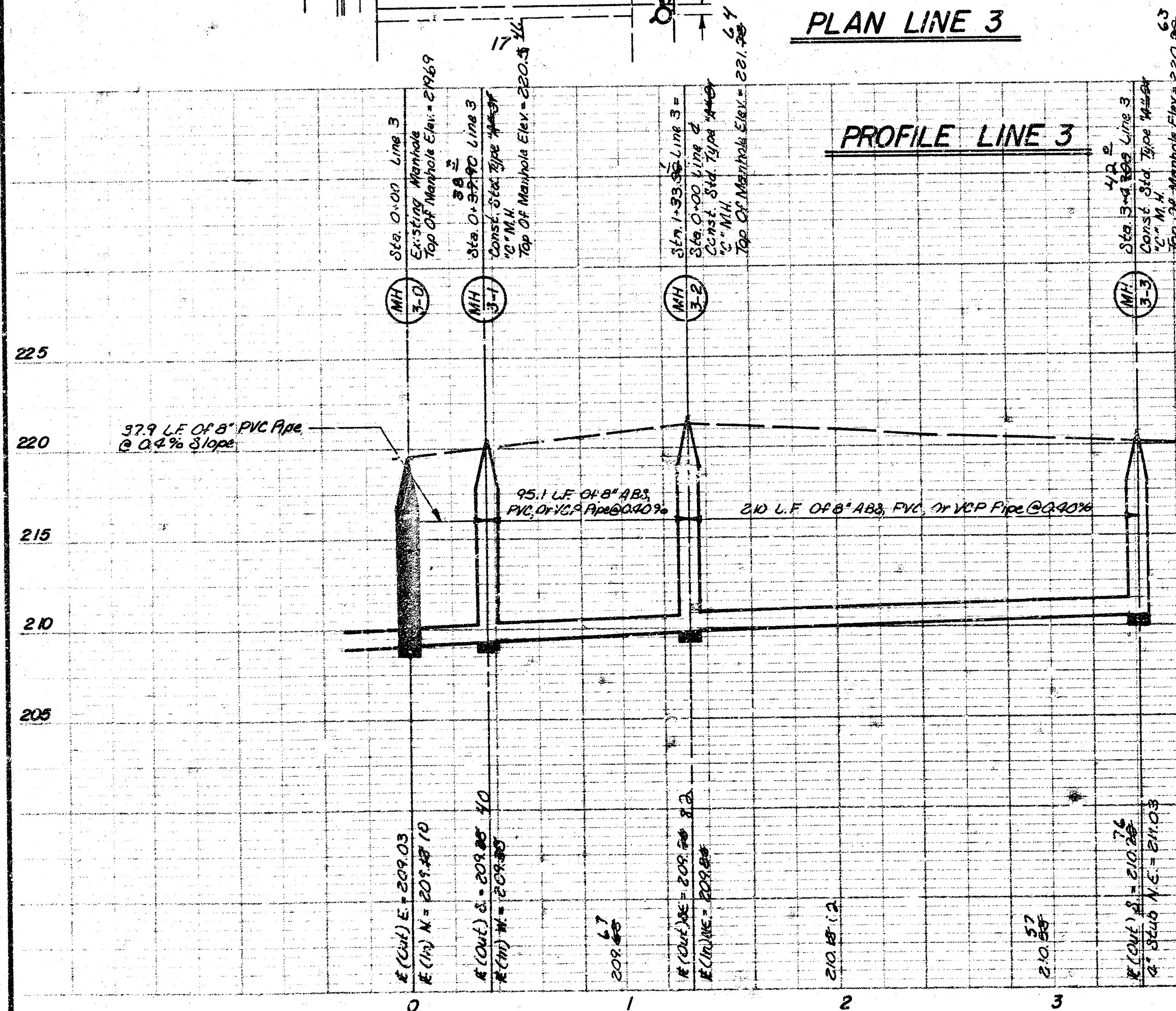
PROFILE LINE 2



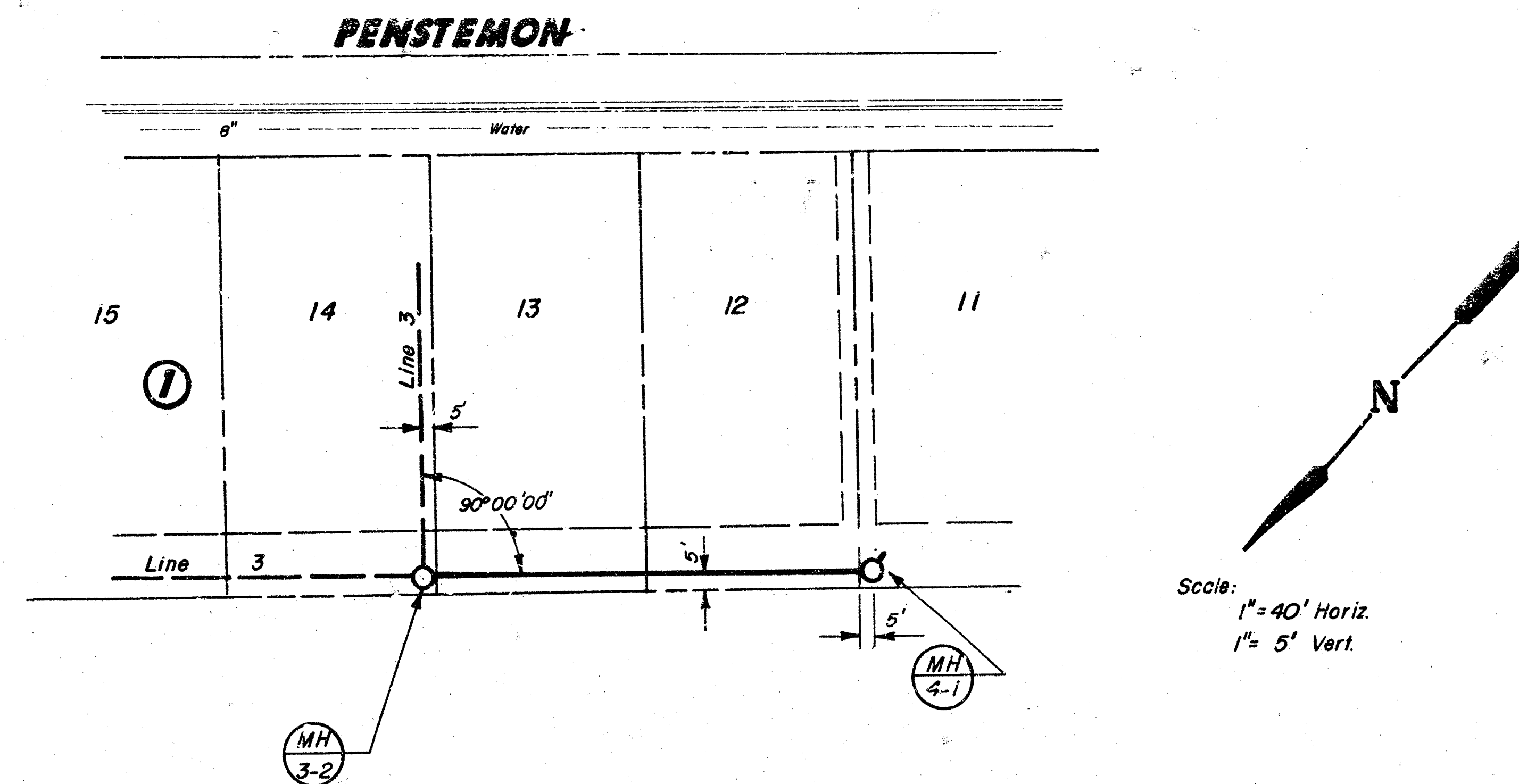
PENSTEMON SECOND PHASE I
LATERAL 23, MAIN 22, W. I. S.
468-76-245- 61293 -000-000-001



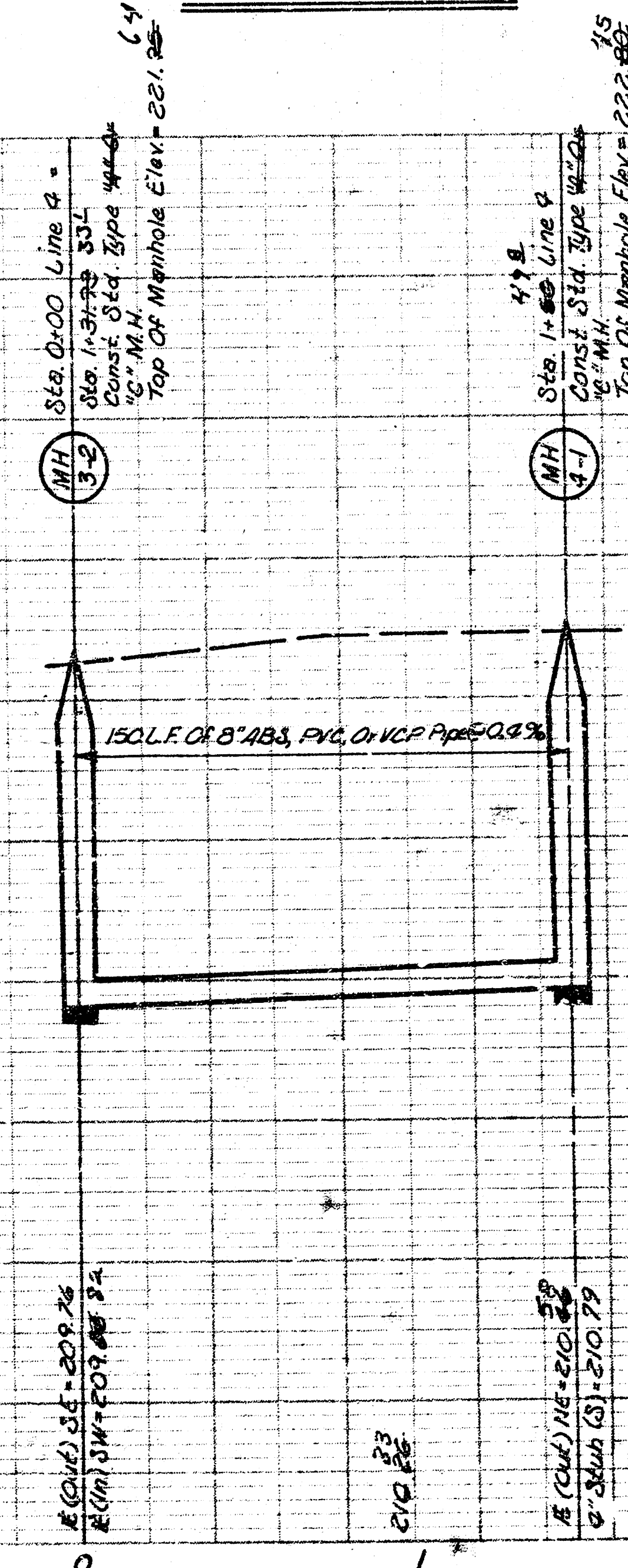
PLAN LINE 3



PROFILE LINE 3



PLAN LINE 4



PROFILE LINE 4

As Built
J.L.L.
10-83

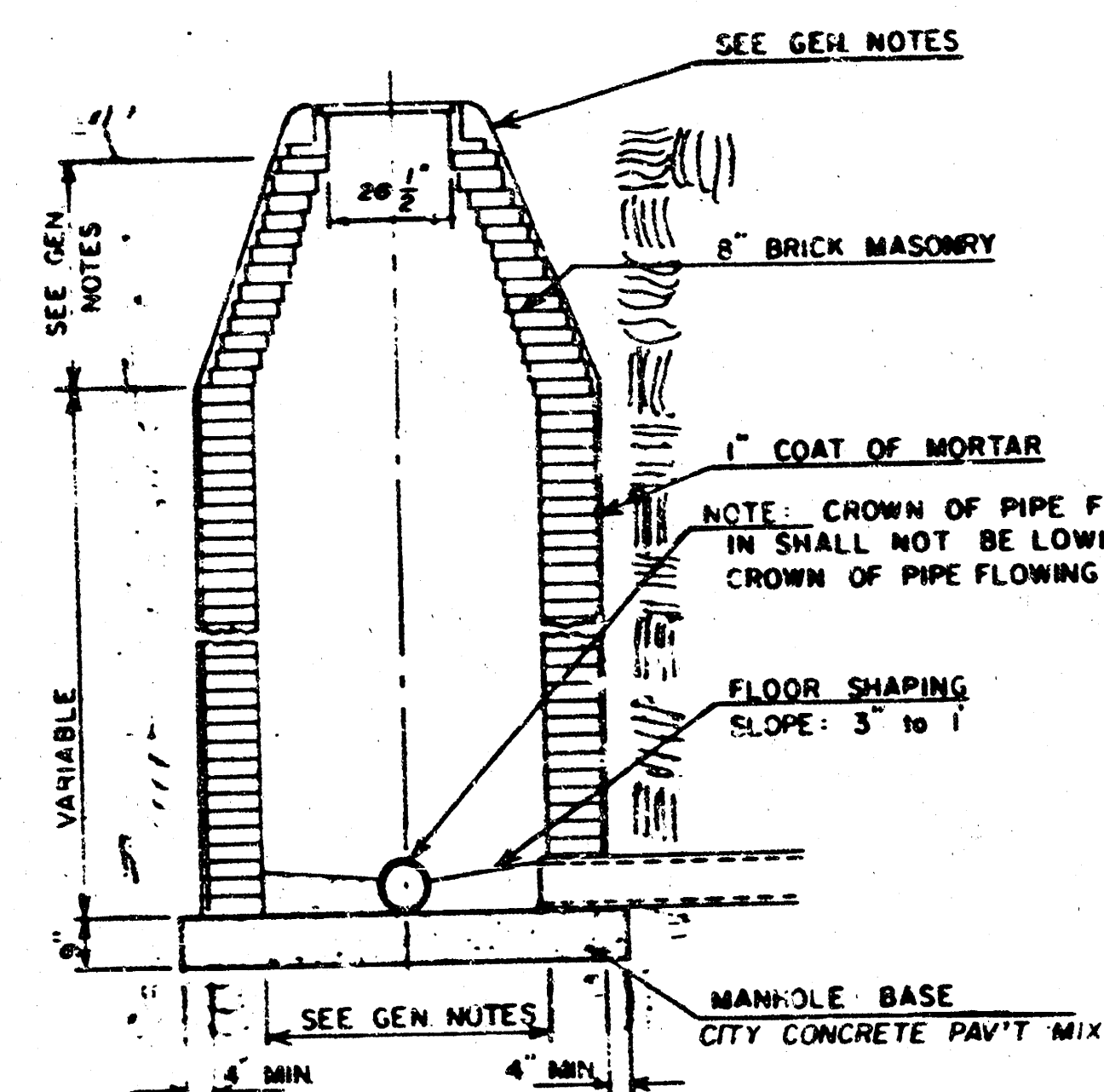
SEWER APPURTENANCES DETAILS

ADOPTED AS STANDARD DESIGN
BY

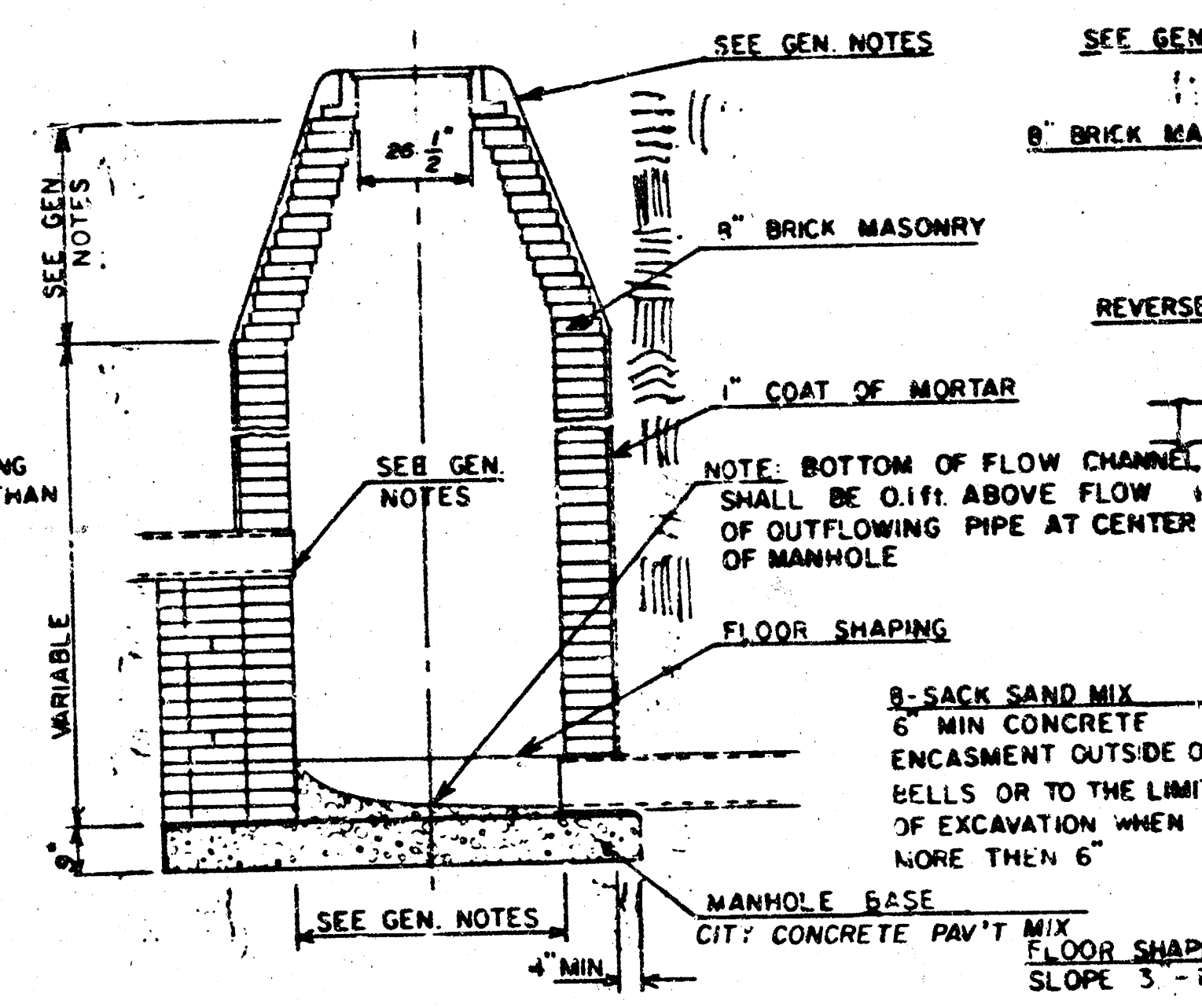
CITY of WICHITA, KANSAS

REVISED SEPTEMBER 1980
REVISED DECEMBER 1981

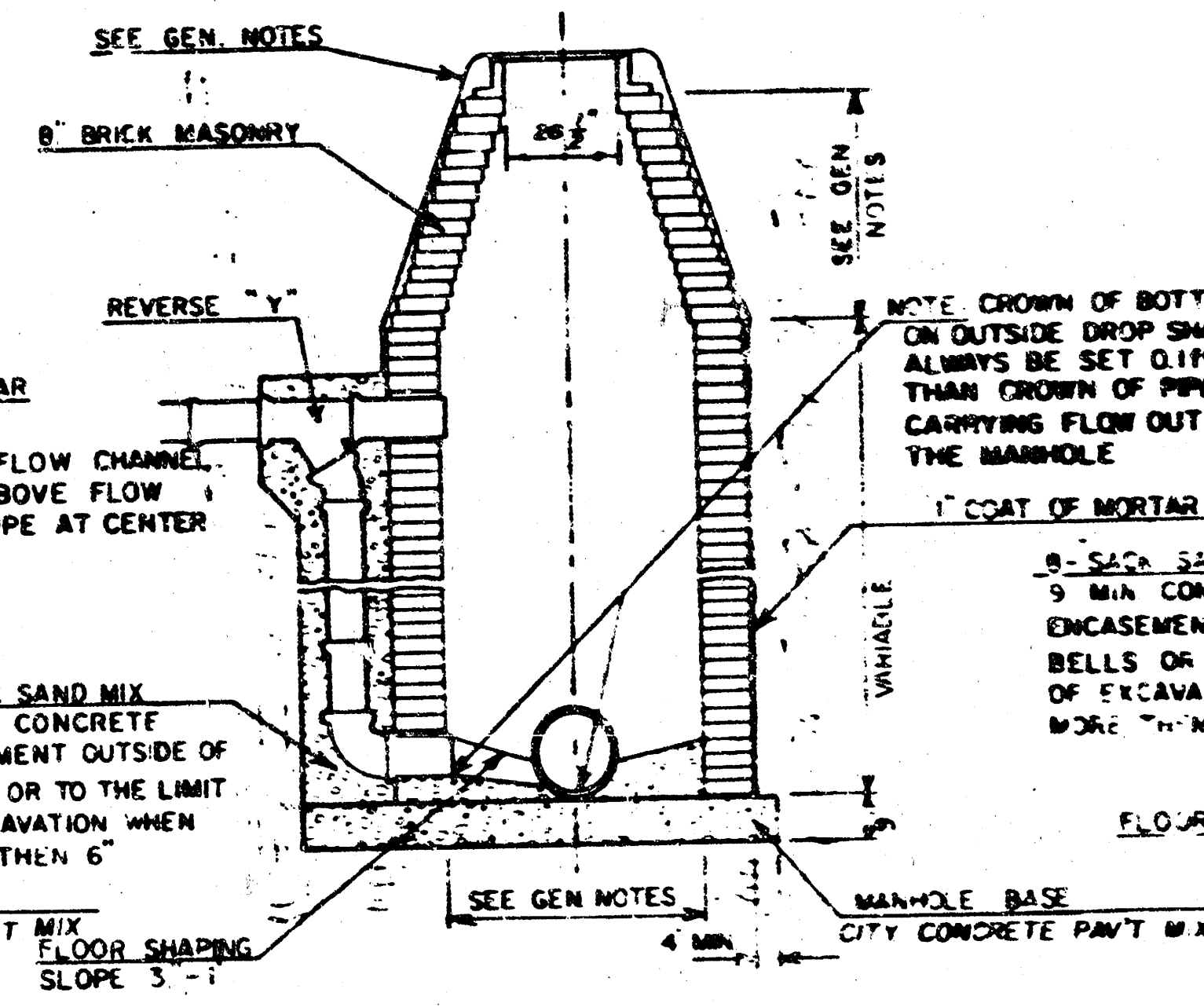
TYPE "A" MANHOLE



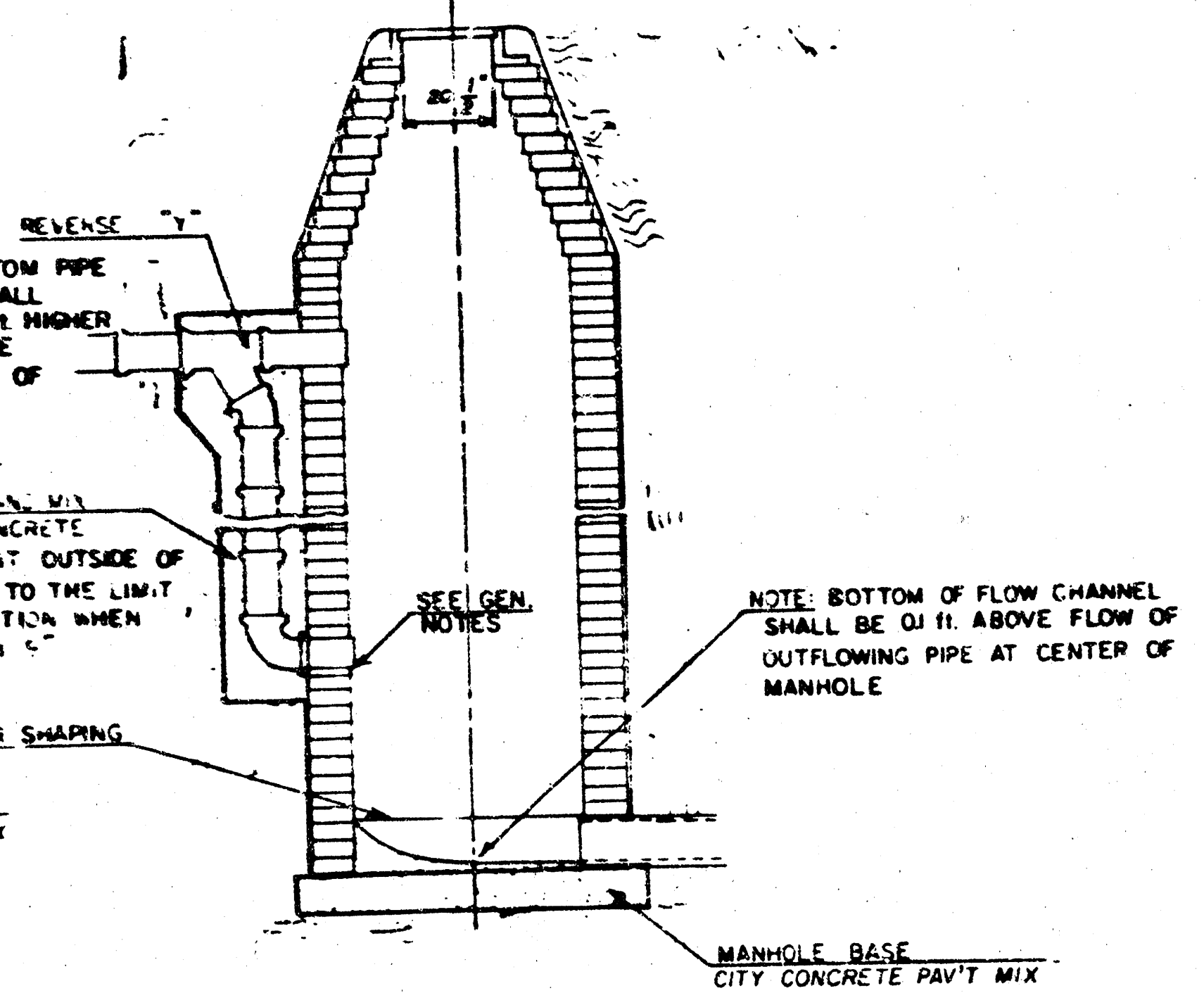
TYPE "A" INSIDE DROP MANHOLE



TYPE "A" OUTSIDE DROP MANHOLE



DETAIL OF OUTSIDE DROP
CONSTRUCTED ON EXISTING MANHOLE



GENERAL NOTES

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. TYPE "A" MANHOLES CAN BE USED ON SEWERS UP TO 16' IN DEPTH WHEN THE MANHOLE IS NOT LOCATED WITHIN PUBLIC STREET PAVEMENT. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE SMALLER THAN 24" SHALL HAVE AN INSIDE DIAMETER OF 4'. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE 24" OR LARGER SHALL HAVE AN INSIDE DIAMETER OF 5'. THE HEIGHT OF THE CORBELS ON 4' DIAMETER MANHOLES SHALL BE 4'. MANHOLES HAVING A DIAMETER OF 5' SHALL HAVE CORBELS 6' IN HEIGHT. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.
- REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO. 4 BARS PLACED 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED 6" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
- OPENINGS SHALL BE CUT INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS CUT INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH P.V.C. AND A.B.S. COMPOSITE PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE EXISTING MANHOLE WALL. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THE VERTICAL DROP FROM THE LOWER PIPE ON SUCH OUTSIDE DROP CONNECTIONS SHALL NOT EXCEED 4' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES SIZED LARGER THAN 12". EXCEPT THE CROWN OF THE LOWER PIPE SHALL NEVER BE SET BELOW THE CROWN OF ANY LARGER OUTFLOWING PIPE. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDIFICATION COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.
- PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE MANHOLE. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF THE CRADLE WITHIN MANHOLE EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
- MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
- THE VERTICAL DROP IN INSIDE DROP MANHOLES SHALL NOT EXCEED 4' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES LARGER THAN 12". THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- STANDARD MANHOLES TYPE "A" AND STANDARD INSIDE DROP MANHOLES TYPE "A" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES TYPE "A" SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.

Manhole Number	North Coordinate	East Coordinate
Plug	10,974.0775	3,949.9728
1-1	11,112.1862	3,945.8189
1-2	11,442.1444	3,940.6003
2-0	11,214.7061	4,304.5527
2-1	11,368.3100	4,263.5017
3-0	11,443.9870	4,519.1462
3-1	11,481.8393	4,519.9360
3-2	11,548.0363	4,451.6459
3-3	11,698.8216	4,597.8095
4-1	11,440.3325	4,347.2433

FINAL PLAT OF PENSTEMON SECOND ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY KANSAS

I, Kenneth H. Bengtson, a Civil Engineer in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "Penstemon Second Addition", an addition to Wichita, Sedgwick County, Kansas, into lots, blocks, streets and reserves, the same being accurately set forth in the accompanying plat and described as follows:

A tract of land in the northwest quarter of Section 5, Township 27 south, Range 2 east of the 6th P.M.; a part of which has been platted as Reserve "A" Penstemon, and a portion of Central Christian Second Addition; described as beginning at the intersection of the north line of Greenbriar and the east line of Rock Road; thence northerly along the east line of Rock Road bearing N 0° 54' 22" W, 345.00 feet; thence S 45° 53' 30" E, 141.39 feet; thence N 89° 07' 23" E, 725.00 feet; thence S 45° 53' 30" E, 118.49 feet; thence N 44° 06' 30" E, 514.98 feet; thence N 0° 54' 22" W, 694.52 feet; thence N 89° 07' 23" E, 753.00 feet; thence S 45° 53' 30" E, 237.27 feet; thence S 89° 07' 23" E, 63.15 feet; thence S 0° 51' 37" W, 386.00 feet; thence S 10° 03' 30" E, 641.08 feet; thence S 45° 53' 30" E, 277.50 feet; thence S 89° 07' 23" E, 169.53 feet; thence S 45° 53' 30" E, 136.24 feet; thence N 70° 27' 35" W, 374.95 feet; thence N 44° 06' 30" E, 153.14 feet; thence N 0° 53' 30" W, 192.16 feet; thence S 89° 06' 30" W, 10.00 feet; thence N 0° 53' 30" W, 110.00 feet; thence S 89° 06' 30" W, 83.41 feet; thence N 45° 53' 30" W, 166.18 feet; thence S 44° 06' 30" E, 15.00 feet; thence N 45° 53' 30" W, 149.00 feet; thence S 44° 06' 30" W, 542.76 feet to a point on a curve to the right having a central angle of 64° 51' 53", a radius of 251.07 feet, a long chord of 269.24 feet bearing S 76° 31' 57" W, thence along said curve 284.16 feet to a point on a curve to the left having a central angle of 19° 50' 00", a radius of 329.44 feet, a long chord of 113.47 feet bearing N 80° 57' 37" W, thence along said curve 114.04 feet; thence S 89° 07' 23" W, 410.02 feet to the Point of Beginning.

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 23rd day of June, 1983.

Kenneth H. Bengtson
Kenneth H. Bengtson, Professional Engineer
Mid-Kansas Engineering Consultants, P.A.
240 North Rock Road, Suite 130
Wichita, Kansas 67206

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Engineer's Certificate, have caused the same to be surveyed and platted into lots, blocks, streets and reserves, the same to be known as "Penstemon Second Addition", an addition to Wichita, Sedgwick County, Kansas. The streets are hereby dedicated to and for the use of the public. Easements are hereby granted as indicated for the construction and maintenance of all public utilities and drainage. Reserves are platted for construction and maintenance of utilities, drainage, cart paths, recreation, buffer zones and open space and shall be owned and maintained by the Homeowners Association. Reserve "A" is also platted for an emergency access easement. The building setbacks shall be in accordance with the Tallgrass Community Unit Plan (D.P. - 96) on file in the City of Wichita, Sedgwick County Metropolitan Area Planning Department Office.

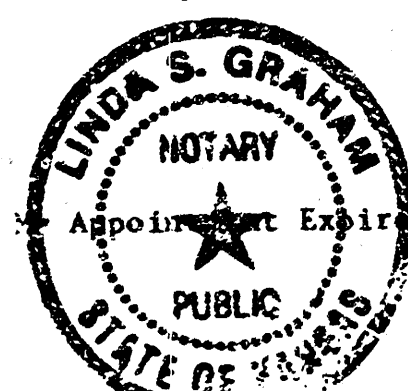
Tallgrass Company

By: William F. Bunker
WILLIAM F. BUNKER

STATE OF KANSAS

COUNTY OF SEDGWICK

Be it remembered that on this 1st day of July, 1983, before me, a Notary Public in and for said State and County, came Tallgrass Company by William F. Bunker to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.



Linda S. Graham
Notary Public Linda S. Graham

This plat approved and all dedications shown hereon, if any, accepted by the Board of County Commissioners of Sedgwick County, Kansas, this 6th day of July, 1983.

Jack Sprague, Chairman

Donald E. Gregg, Commissioner

Tom Scott, Commissioner

Attest: Dorothy K. White, County Clerk

Entered on transfer record this 6th day of JULY, 1983.

Dorothy K. White, County Clerk

STATE OF KANSAS
COUNTY OF SEDGWICK

This is to certify that this instrument was filed for record in the Register of Deeds Office at 3:00 P.M. on the 11th day of JULY, 1983.

Bette F. McGart, Register of Deeds

Pat Kettler, Deputy

#640692

This plat of "Penstemon 2nd Addition" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 2nd day of June, 1983.

Wichita-Sedgwick County Metropolitan Area Planning Commission

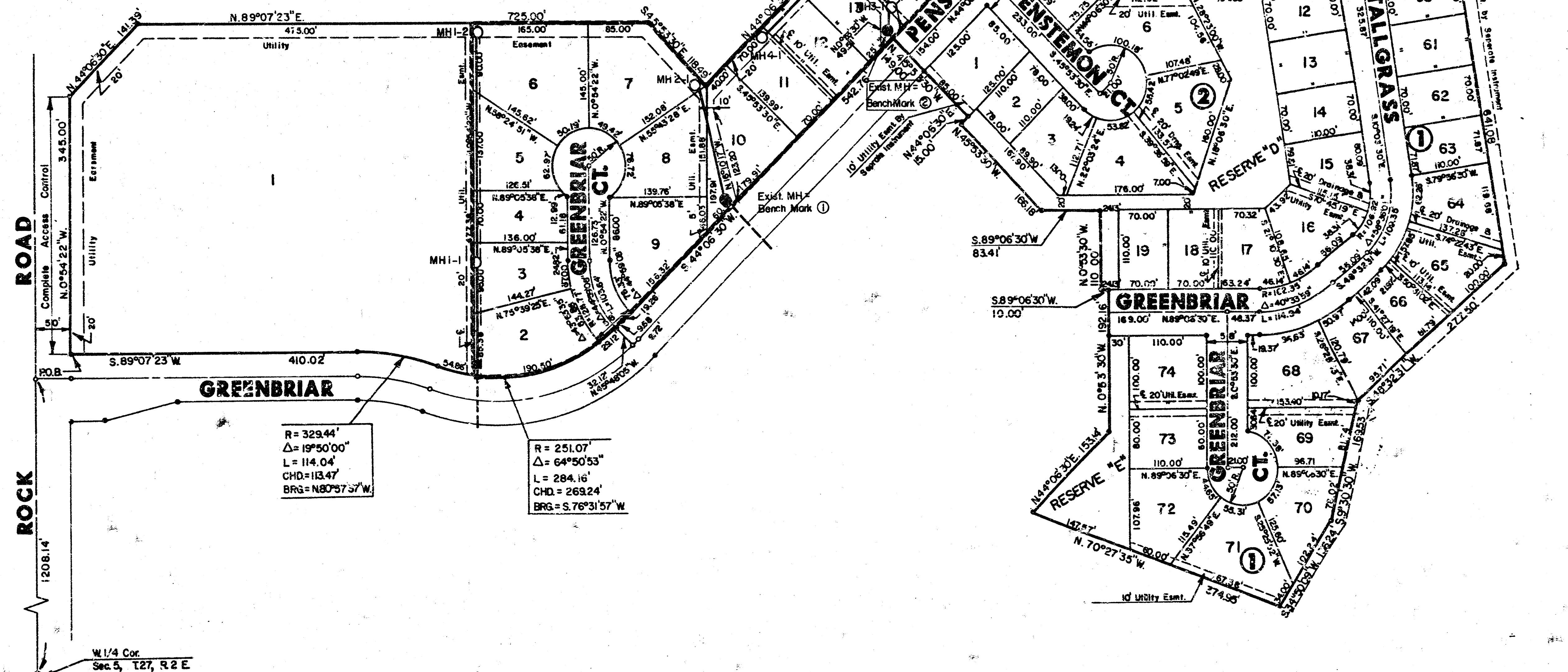
David Bayouh, Chairman

Robert A. Lakin, Secretary

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas this 2nd day of June, 1983.

Margaret Wright, Mayor

Donald C. Giesick, City Clerk



Revised Plat P-594 Pg 1537