

Sanitary Sewer Extension

To Serve

MAPLE VALLEY ADDITION

LATERAL 7, MAIN 1

COWSKIN INTERCEPTOR SEWER

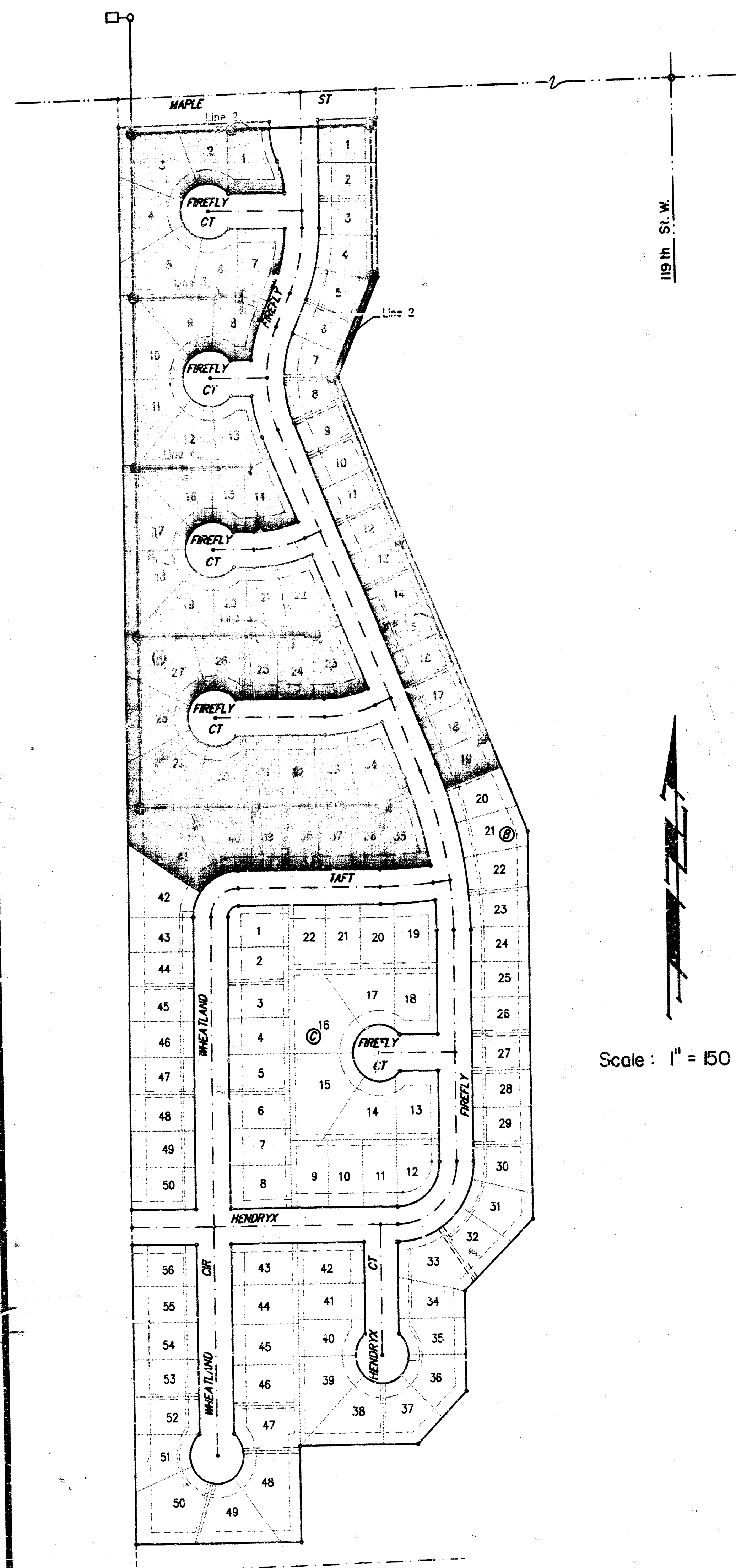
Project No.

468-76-245-82102-000-000-001

CITY OF WICHITA, KANSAS

Michael E. Lindebak, City Engineer

INDEX NO. 740761

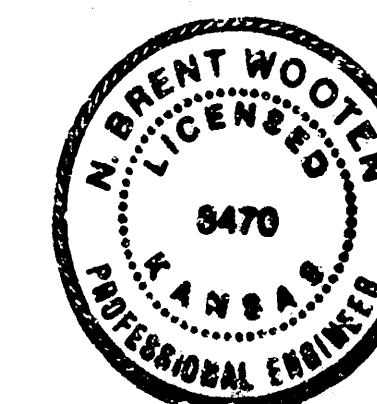


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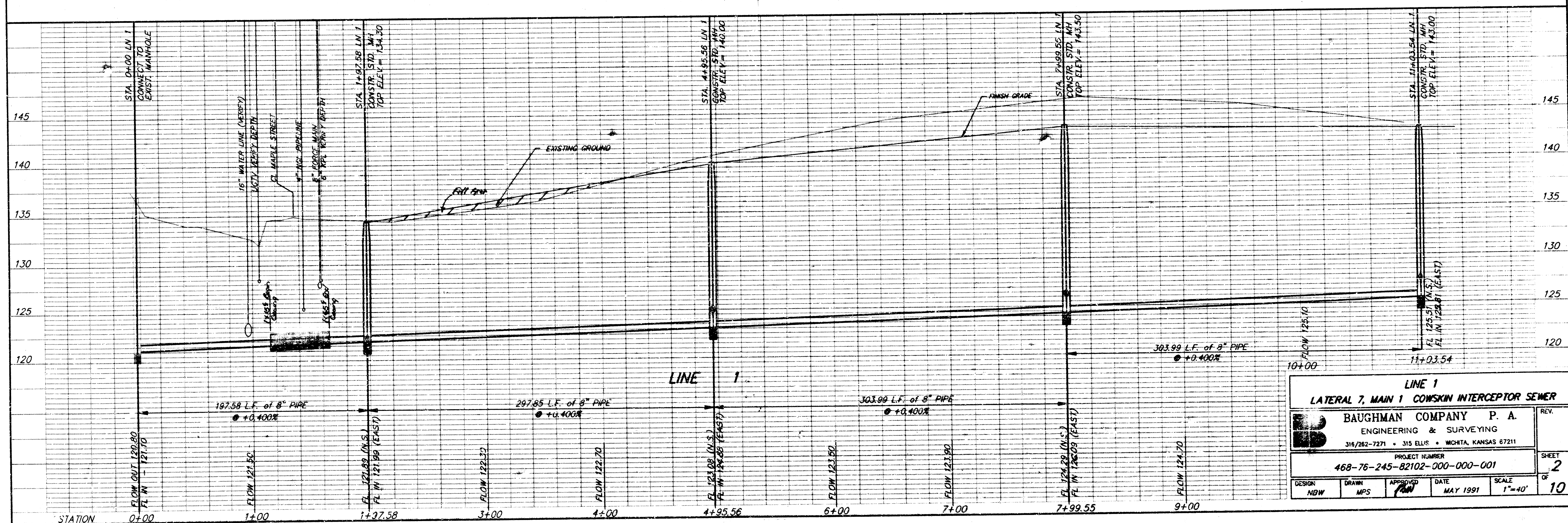
GENERAL NOTES

1. The Contractor shall notify pipeline companies at least 10 days in advance of work being performed across and/or adjacent to pipelines.
2. Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by others prior to construction, unless the plans specifically call for their adjustment by the Contractor. Existing lines and their locations, as shown on the plans, represent the best information obtainable for design. Location information has been obtained from the various utility companies and is either from company record drawings or company-provided field locations. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
3. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
4. Any tree or hedge row trimming required to accommodate the sanitary sewer construction shall be considered as incidental to the project.
5. The contractor shall co-ordinate the construction of the sanitary sewer project with that of the water line project for this addition.
6. At least one lane of traffic shall be carried through Maple St. at all times during construction of this project.



BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

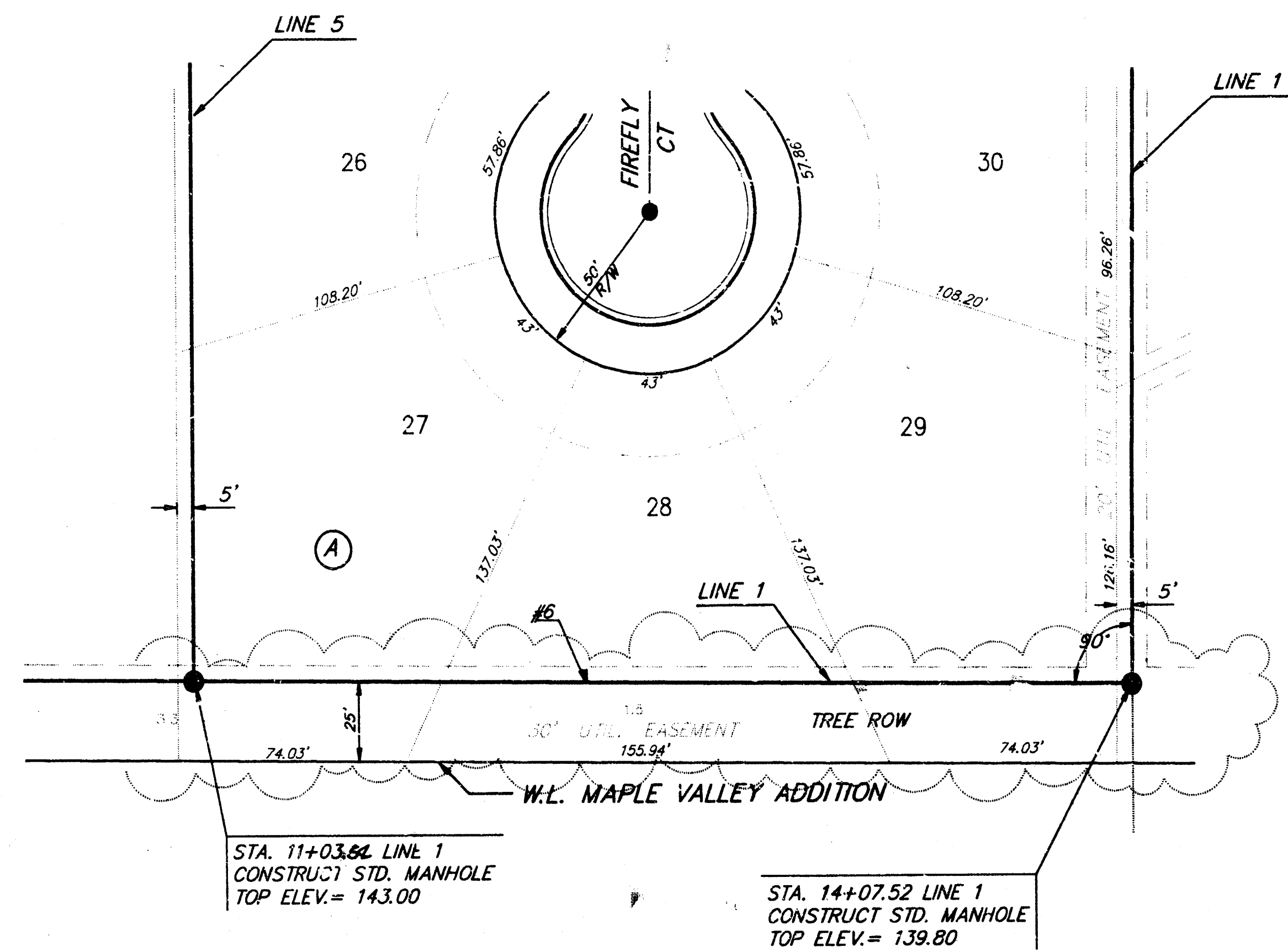
BENCH MARK:
R.R. Spike in Highline Pole 22.5'
E $\pm$ 29.2' N of CL of Maple & Firefly.
Elev. = 132.49



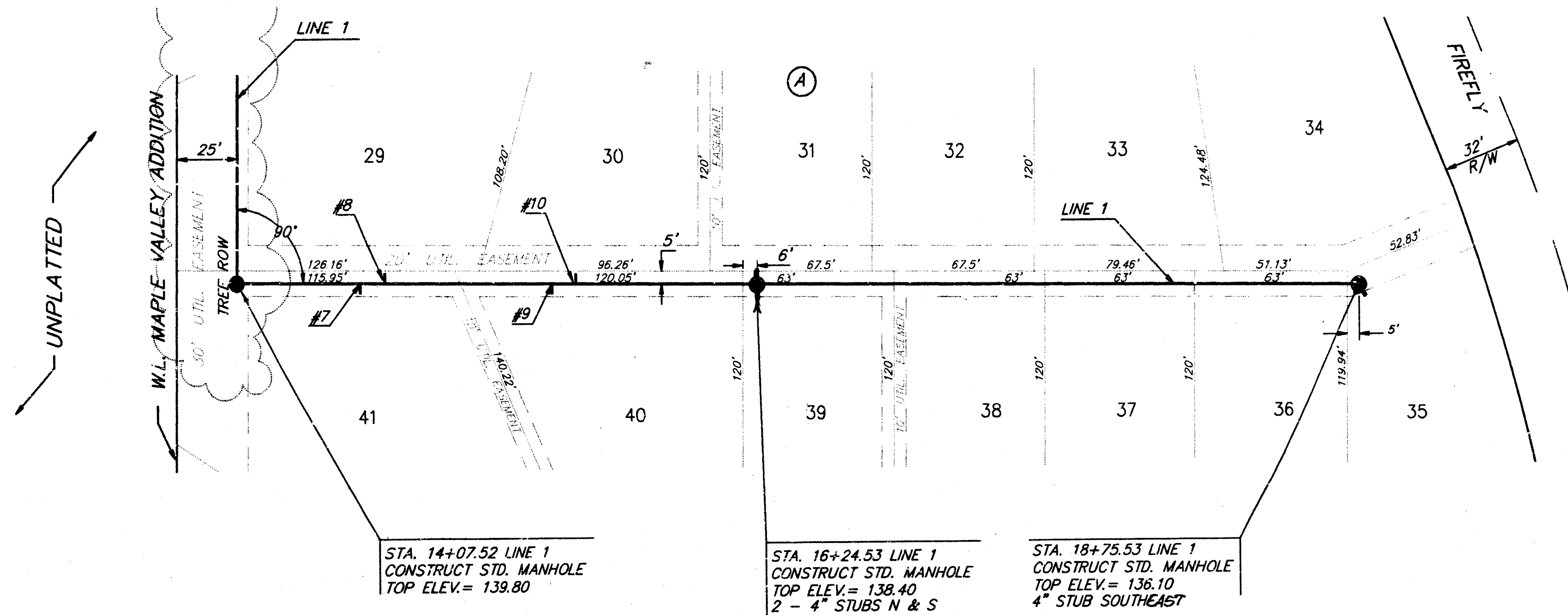
BENCH MARK:
Disc on S.E. Cor. of the Headwall of an
RCBC 145.5' W. & 85.5' N of the 1/4 Section
Elev. = 135.57

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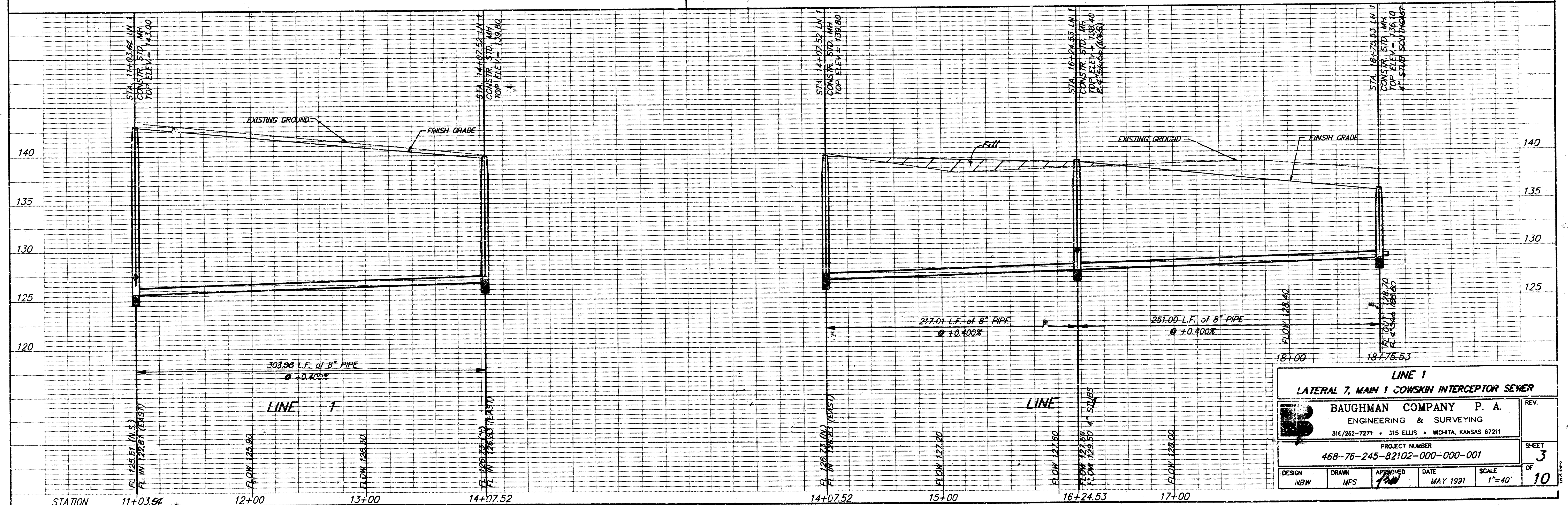
Scale
Profile 1"=5'
Plan 1"=40'



UNPLATTED

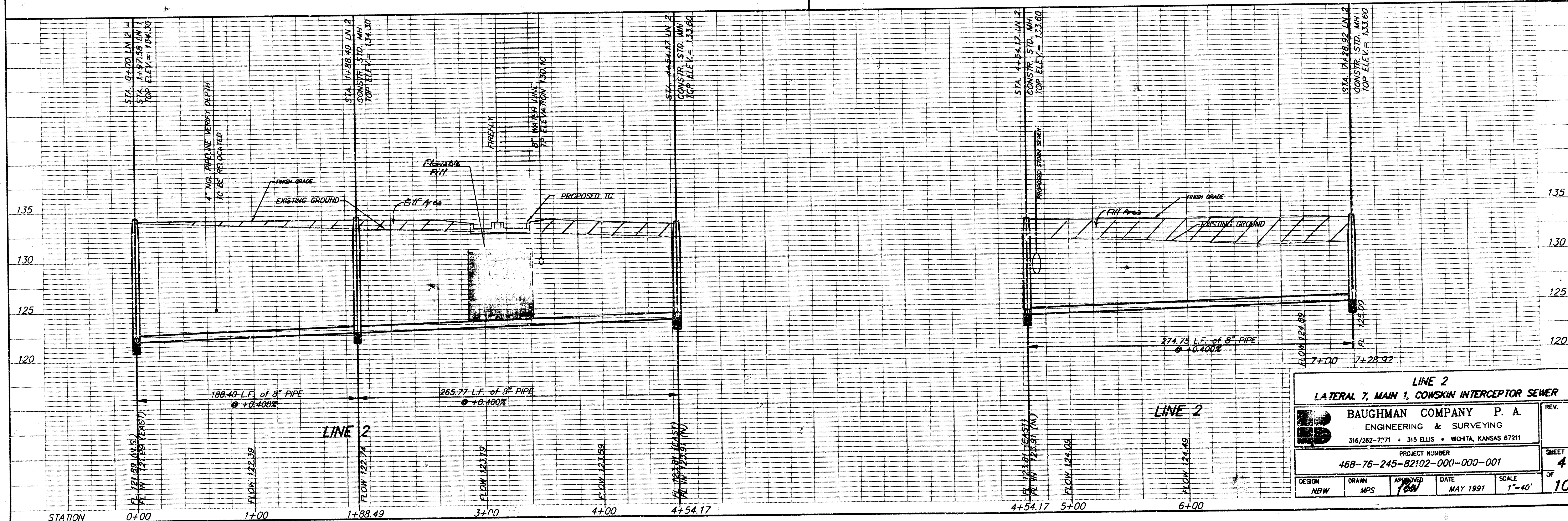
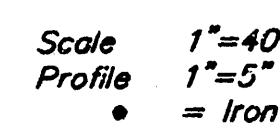


Scale
Profile 1"=5'
Plan 1"=40'

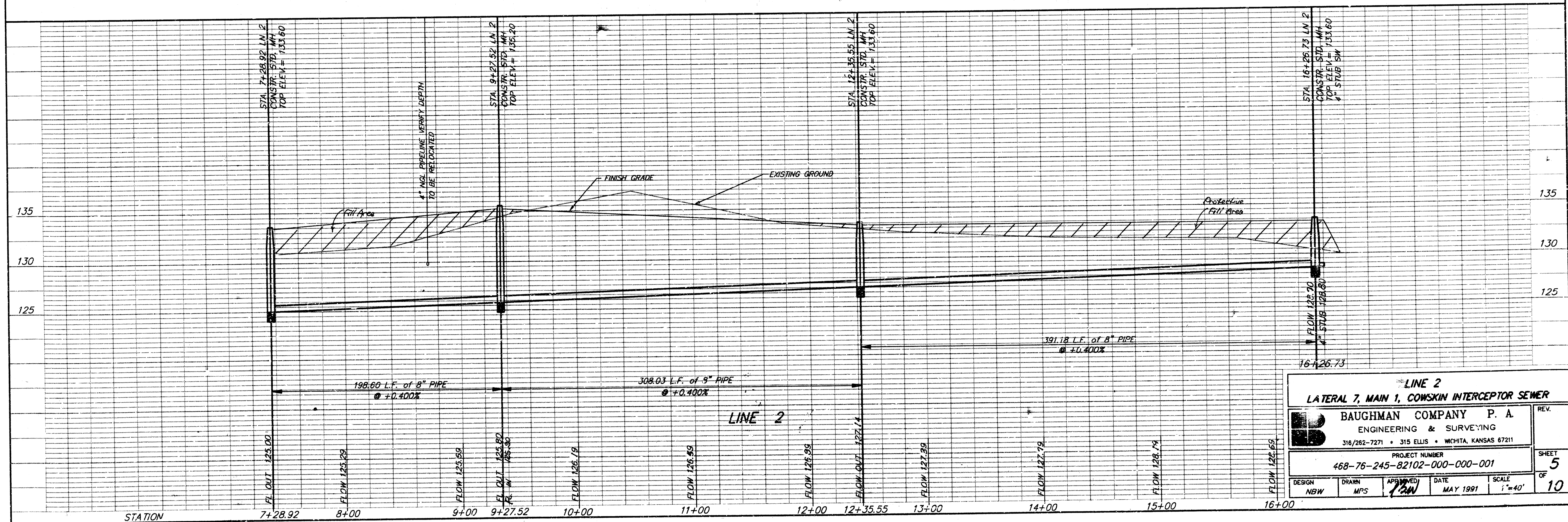


LINE 1 LATERAL 7, MAIN 1 COWSKIN INTERCEPTOR SEWER				
BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211				
PROJECT NUMBER 468-76-245-82102-000-000-001				
DESIGN NBW	DRAWN MPS	APPROVED JAW	DATE MAY 1991	SCALE 1"=40'
SHEET 3				OF 10

BENCH MARK:
R.R. Spike in Highline Pole 22.5'
E & 29.2' N of CL of Maple & Firefly.
Elev. = 132.45

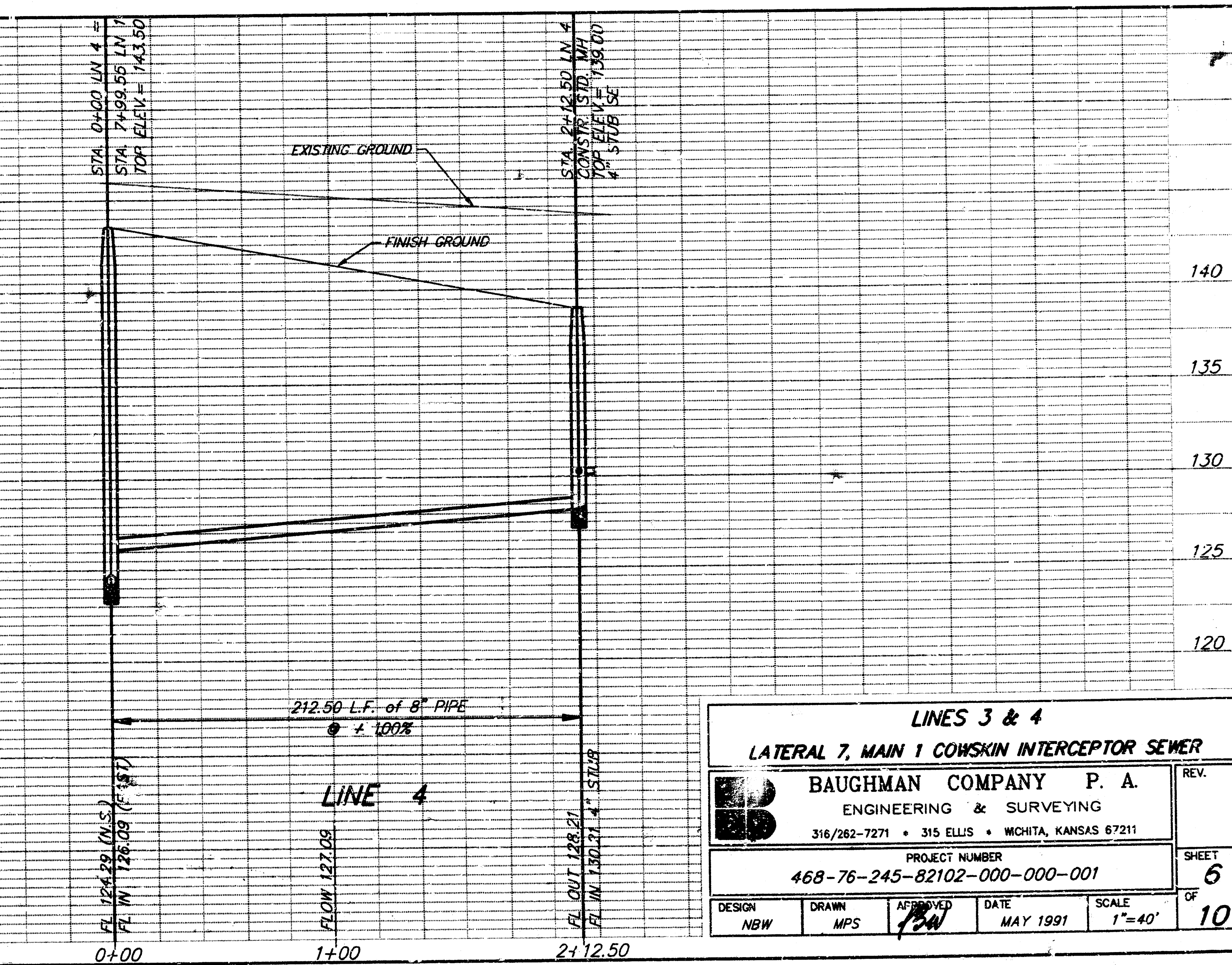
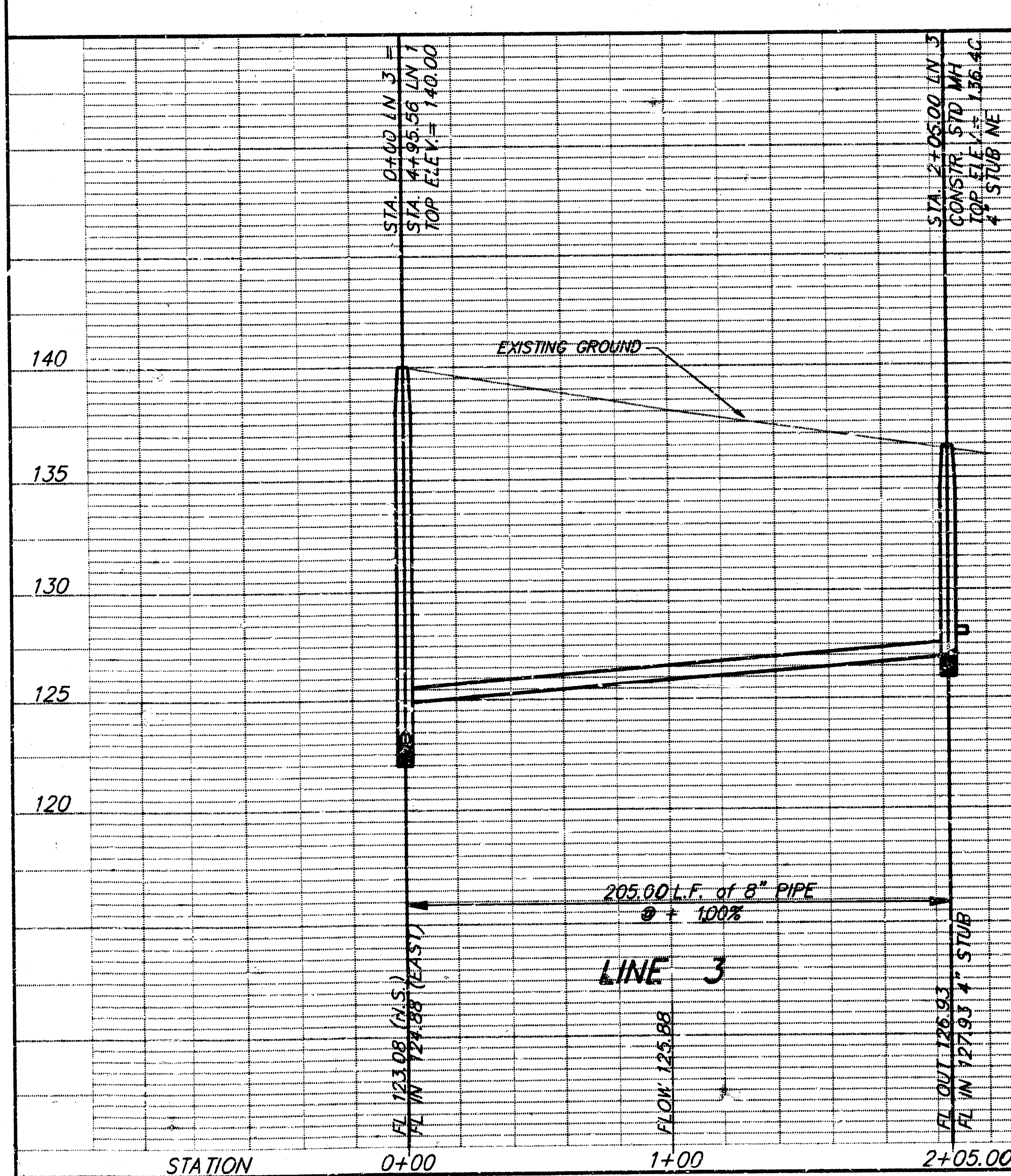
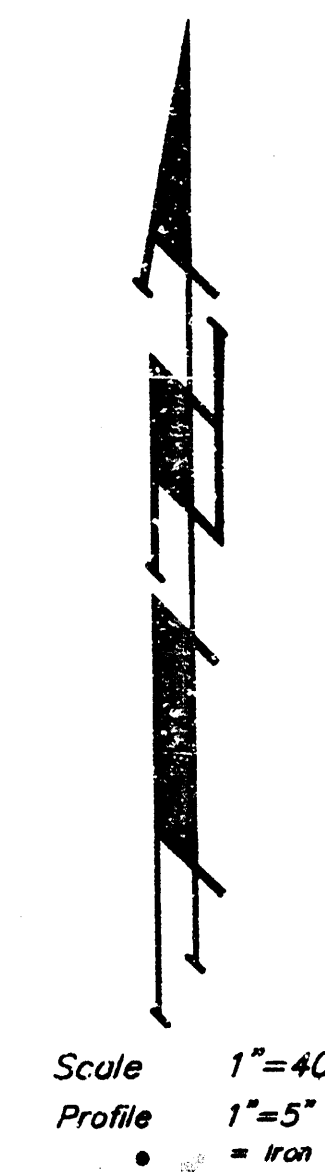
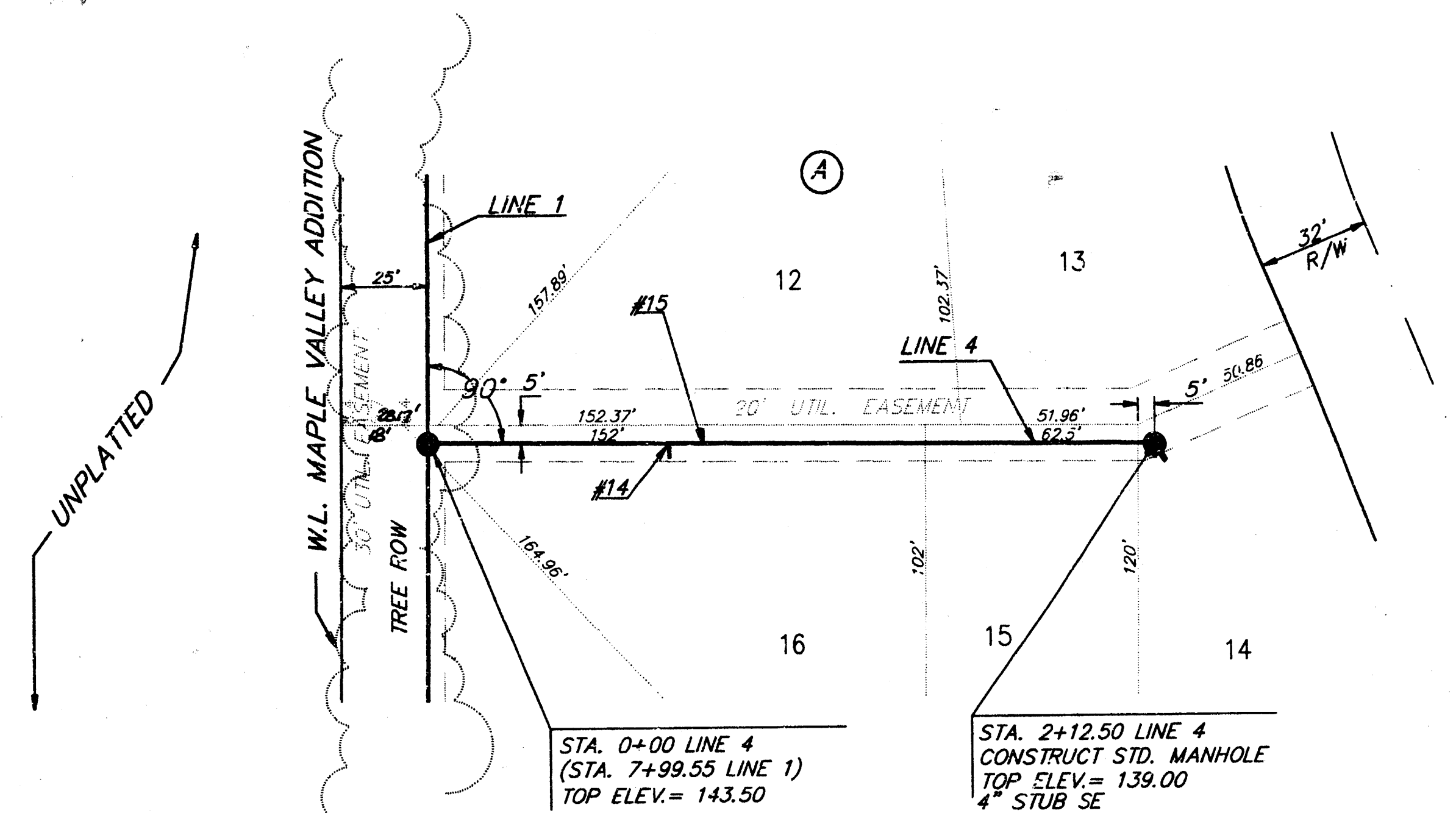
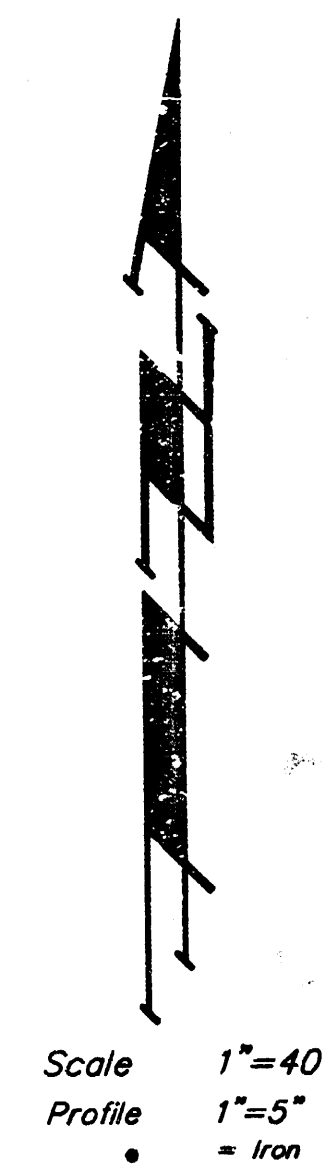
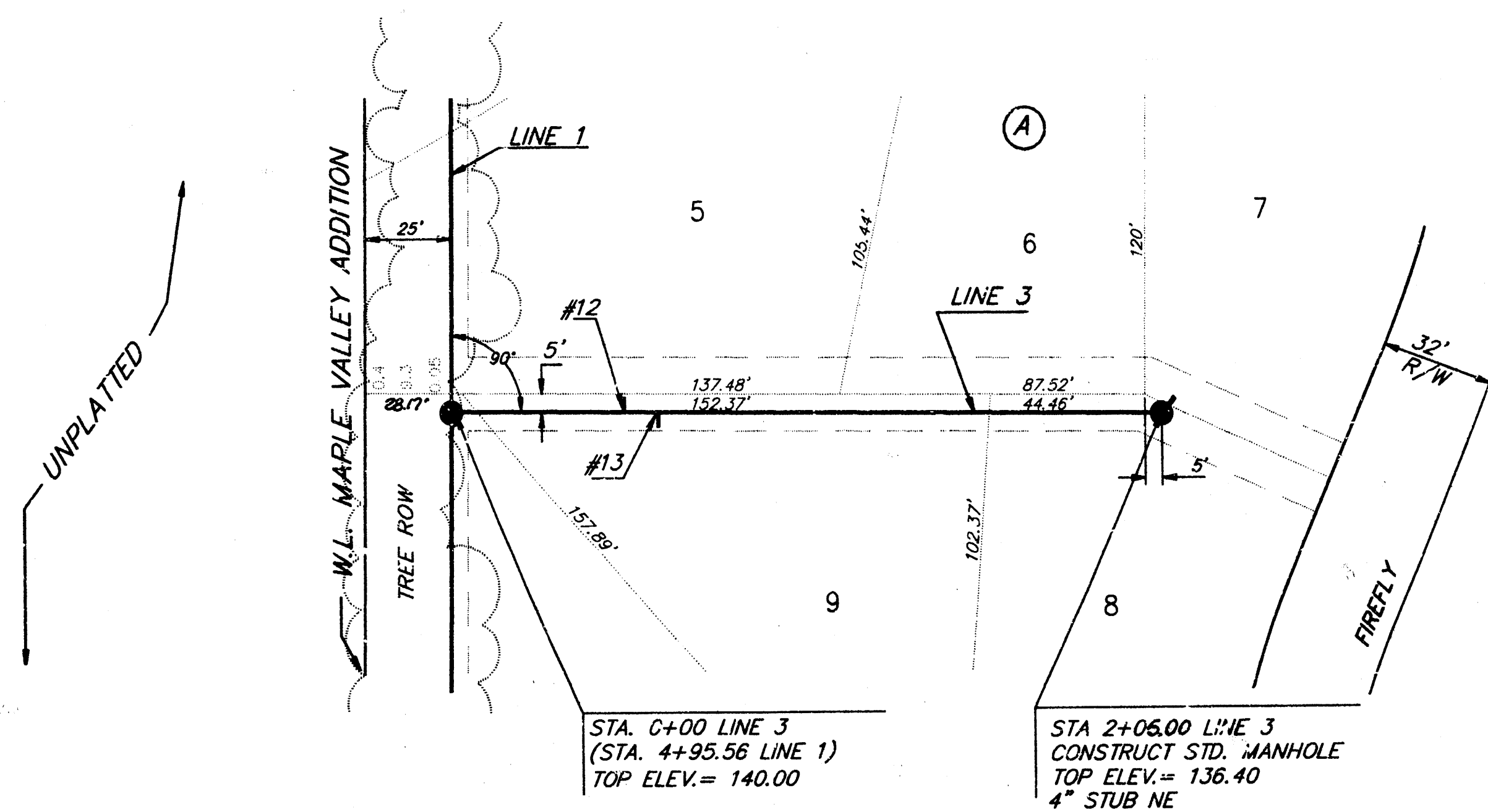


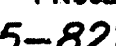
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Elev. = 132.49



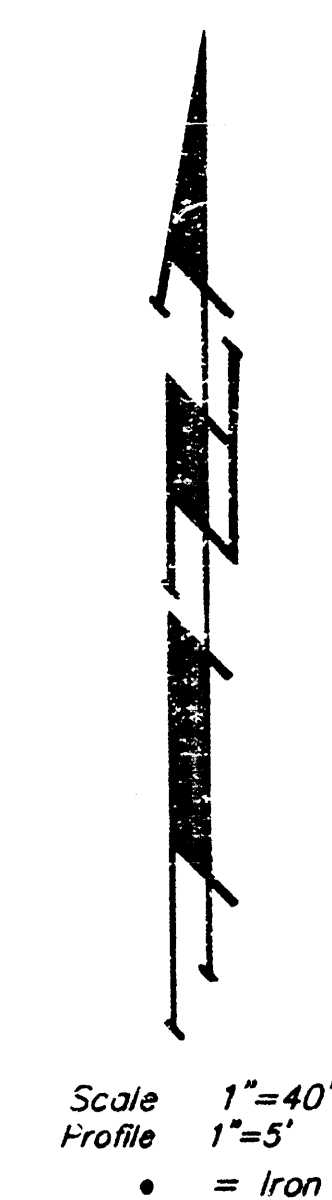
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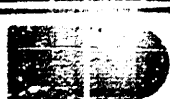
LINES 3 & 4				
LATERAL 7, MAIN 1 COWSKIN INTERCEPTOR SEWER				
		BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211		REV.
PROJECT NUMBER 468-76-245-82102-000-000-001				SHEET 6
DESIGN NBW	DRAWN MPS	APPROVED 	DATE MAY 1991	SCALE 1"=40' OF 10

BENCH MARK:
R.R. Spike in Hig'-line Pole 22.5'
E & 29.2' N of CL of Maple & Firefly.
Elev. = 132.49



TRAFFIC COUNTER FILE						
NUMBER	LINE NO.	STATION	LOT NO. BLOCK A	DIRECTION	L.F. 4" RISER	TOP ELEV.
1	1	3+20	4	Left	6.0	128.50
2	1	5+60	10	Left	9.0	132.50
3	1	6+70	11	Left	10.0	134.00
4	1	8+70	17	Left	10.5	135.00
5	1	9+80	18	Left	10.0	135.00
6	1	12+30	28	Left	7.5	133.60
7	1	14+60	41	Right	4.5	131.50
8	1	14+70	29	Left	4.5	131.50
9	1	15+40	40	Right	3.5	131.00
10	1	15+50	30	Left	3.5	131.00
11	2	0+30	3	Right	4.0	126.00
12	3	0+50	5	Left	5.5	131.00
13	3	0+60	9	Right	5.5	131.00
14	4	0+70	16	Right	7.0	134.00
15	4	0+80	12	Left	7.0	134.00
16	5	0+60	27	Right	6.0	134.00
17	5	0+80	19	Left	6.0	134.00

NOTE - The Riser Pipes and Reinforced Concrete Encasement shall be bid as a complete unit each.

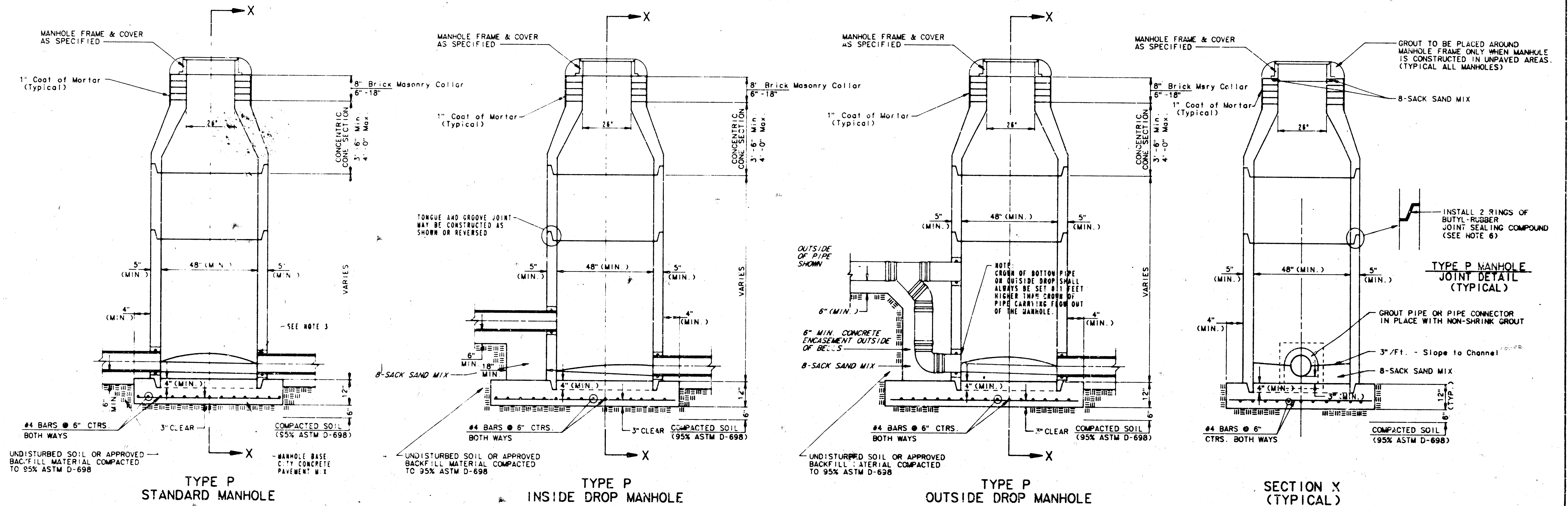
LINE 5 LATERAL 7, MAIN 1 COWSKIN INTERCEPTOR SEWER					REV.
 BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 314/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211					
PROJECT NUMBER					SHEET
463-76-245-82102-000-000-001					7
DESIGN	DRAWN	APPROVED	DATE	SCALE	OF
NBW	MPS	<i>[Signature]</i>	MAY 1991	1" = 40'	10

SEWER APPURTENANCES DETAILS

ADOPTED AS STANDARD DESIGN

BY

CITY OF WICHITA

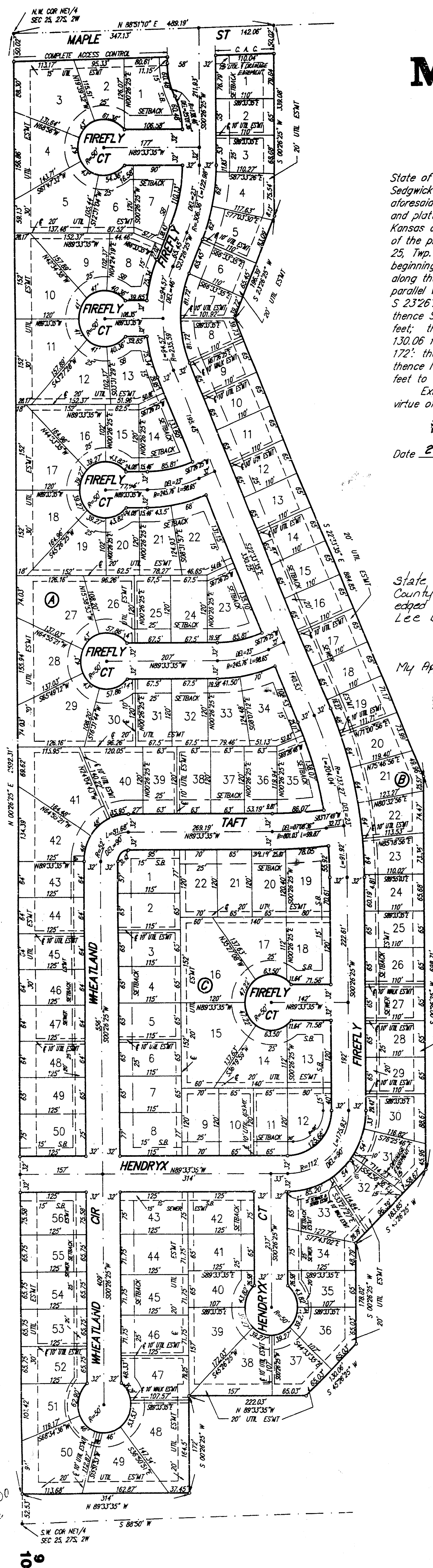


- GENERAL NOTES
- PRECAST MANHOLE NOTES
1. PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF A S. M. C478 AS MODIFIED BY THE SPECIFICATIONS.
 2. NON-SHRINK GROUT SHALL BE NON-METAL C TYPE.
 3. APPROVED FLEXIBLE WATERSTOP GASKETS SHALL BE INSTALLED TO JOIN THE SEWER TO THE MANHOLE WALL WHEN A B. S. COMPOSITE PIPE OR P. V. C. PIPE IS USED. FOR OTHER TYPES OF PIPE THE SEWER SHALL BE GROUTED IN PLACE WITH NON-SHRINK GROUT. THE SEWER PIPE SHALL BE SUPPORTED WITH CONCRETE ENCASEMENT A MINIMUM OF 3 FEET FROM THE MANHOLE WALL AND TO THE FIRST JOINT FOR P. V. C. SUCH THAT THE JOINT REMAINS FLEXIBLE.
 4. ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED WITH 2 COATS THINCOAT SERIES 86 MI-BUILD EPOXYLINE, DRY THICKNESS OF 8 MILS (MIN.).
 5. EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 BITUMINOUS COATING.
 6. JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROVED EQUAL.
 7. PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE.
 8. TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
 9. LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
 10. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 BAGS 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 PAYMENT 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. 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". COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.

11. REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED AT LEAST 3" 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.
12. 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 OPENING USING AN APPROVED NONSHRINK GROUT FOR THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CORRECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CORRECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK.
13. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF-CLEANING AND FREE OF AREAS WHERE SOLIDS 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 REVEAL 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.
14. 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 CRADLE WITHIN MANHOLE EXCAVATION OR ON CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

15. 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.
16. 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.
17. STANDARD MANHOLES AND STANDARD INSIDE DROP MANHOLES 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.
18. A BRICK MASONRY COLLAR SHALL BE INSTALLED BETWEEN THE CAST IRON FRAME AND THE CONCENTRIC CONE. THE COLLAR WILL HAVE 8" WALLS AND A VERTICAL HEIGHT OF 6" MINIMUM AND 18" MAXIMUM. A 1" COAT OF MORTAR WILL BE PLASTERED ON THE OUTSIDE OF THE COLLAR.

468-78-245-82102-000-000-001



MAPLE VALLEY ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

State of Kansas) SS We, Baughman Company, P.A., Surveyors in
Sedgwick County) and state do hereby certify that we have surveyed
and platted "MAPLE VALLEY ADDITION", Wichita, Sedgwick County,
Kansas and that the accompanying plat is a true and correct exhibit
of the property surveyed described as that part of the NE 1/4 of Sec.
23, Twp. 27-S, R. 15-W, 6th P.M., Sedgwick County, Kansas,
beginning at the corner of said NE 1/4; thence N 88°51'10" E,
along the north line of said NE 1/4, 489.19 feet; thence S 00°26'25" W,
parallel with the west line of said NE 1/4, 339.08 feet; thence
S 23°26'25" W, 196.39 feet; thence S 22°33'35" E, 884.85 feet;
thence S 00°26'25" W, 698.71 feet; thence S 45°26'25" W, 183.85
feet; thence S 00°26'25" W, 178.82 feet; thence S 45°26'25" W,
130.06 feet; thence N 89°33'35" W, 222.03 feet; thence S 00°26'25" W,
172.21 feet; thence N 89°33'35" W, 314 feet to the west line of said NE 1/4;
thence N 00°26'25" E, along the west line of said NE 1/4, 2592.31
feet to the place of beginning.
Existing public dedications and easements being vacated by
virtue of K.S.A. 12-512(b).

Baughman Company, P.A.

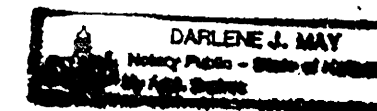
Date 22-Feb-91

Mark A. Soyoy Surveyor



State of Kansas) SS The foregoing instrument acknowledged
County of Sedgwick) before me, this 22nd day of May, 1991, by
Lee Banks

My App't. Exp. 8-28-93 Darlene J. May Notary Public



Know all men by these presents that we the under-
signed, have caused the land described in the surveyors certificate to be platted
into Lots, Blocks and Streets to be known as "MAPLE VALLEY ADDITION", Wichita,
Sedgwick County, Kansas. The utility easements are hereby granted as indicated
for the construction and maintenance of all public utilities. The drainage easements
are hereby granted for drainage purposes. The walk easements are hereby granted
for pedestrian access. No fence or other obstructions will be allowed in the walk
easements and the subsequent maintenance of the walks will be the responsibility
of the adjoining property owners. The streets are hereby dedicated to and for the
use of the public. All abutters rights of access to or from Maple St. over and
across the north line of Lots 1, 2 and 3, Block A and Lot 1, Block B, are hereby
granted to the City of Wichita, Kansas. No lowest floor to any building shall be
constructed below a minimum pad elevation of 1321 MSL/1331 City datum on Lots
1, 2, 3 and 7, Block A, Lots 1 through 36, Block B, and Lots 7 through 15 and
Lots 18 and 19, Block C.

Maple Valley Corporation

Richard E. Huffman Secretary

State of Kansas) SS The foregoing instrument acknowledged be-
fore me, this 22nd day of May, 1991, by
Richard E. Huffman, Secretary of Maple Valley Corporation, on behalf
of the corporation.

My App't. Exp. 2-3-95 Richard E. Huffman Notary Public

We, the undersigned, do hereby consent to
this plat of "MAPLE VALLEY ADDITION", Wichita, Sedgwick County,
Kansas.

State Bank of Colwich

Brad E. Yager Senior Vice-President
Brad E. Yager
Lee Banks Individual

State of Kansas) SS The foregoing instrument acknowledged be-
fore me, this 22nd day of May, 1991, by
Brad E. Yager, Senior Vice-President of State Bank of Colwich, on
behalf of the corporation.

My App't. Exp. 3-2-93 Frank A. Suettenroep Notary Public

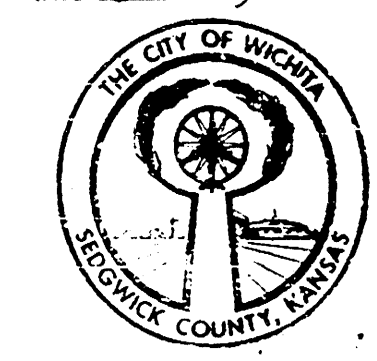


This plat of "MAPLE VALLEY ADDITION",
Wichita, Sedgwick County, Kansas has been submitted to and approv-
ed by the Wichita-Sedgwick County Metropolitan Area Planning Com-
mission, Wichita, Kansas.

Dated this 22nd day of January, 1991
Wichita-Sedgwick County Metropolitan Area Planning Commission.

George D. Sherman Chairman
Marvin S. Kroat Secretary

This plat approved and all dedications shown
hereon accepted by the City Council of the City of Wichita, Kansas,
this 22nd day of April, 1991.



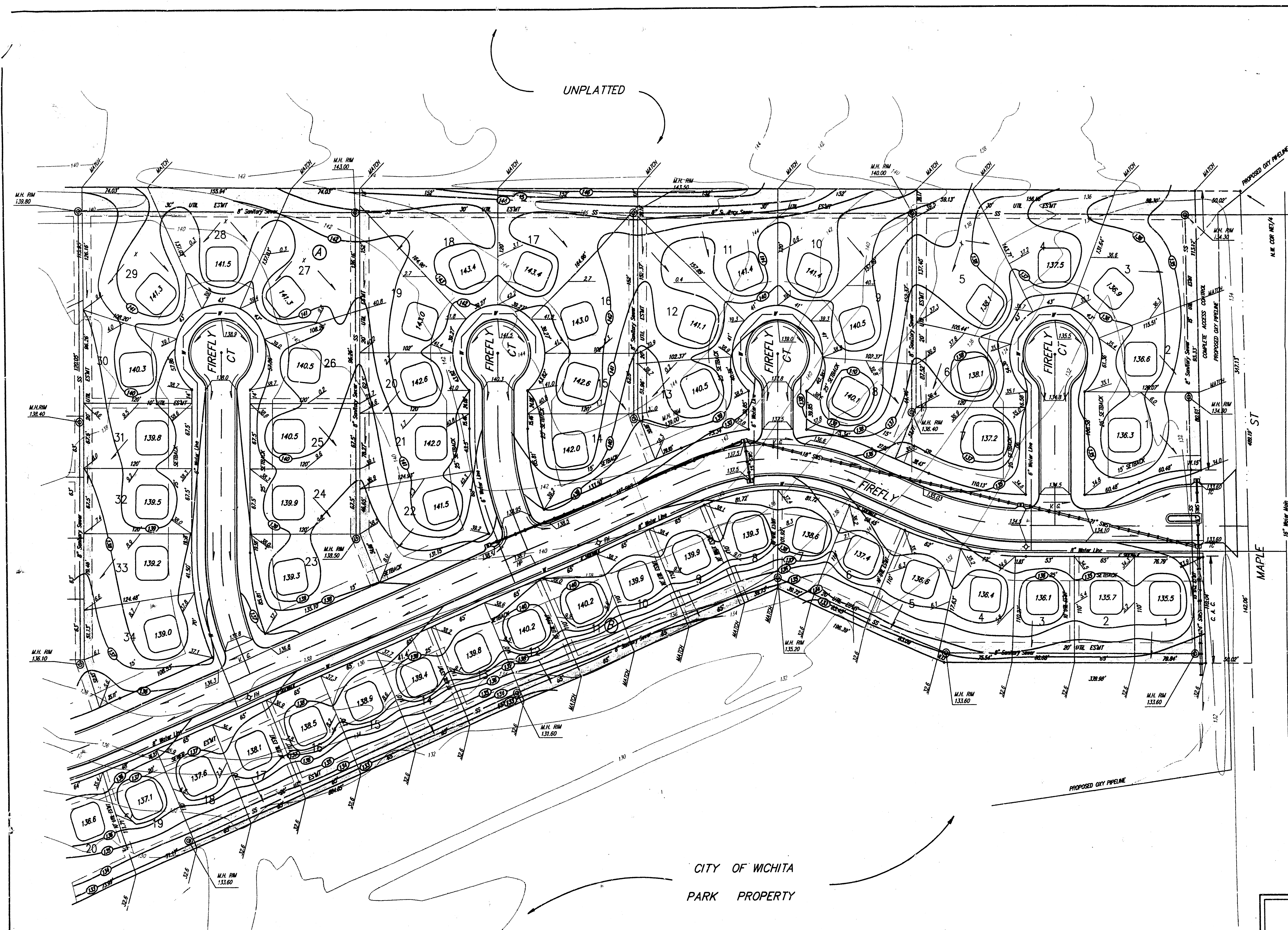
Bob Knight Mayor
Pat Burnett Deputy City Clerk

Entered on transfer record this 28th day
of May, 1991.

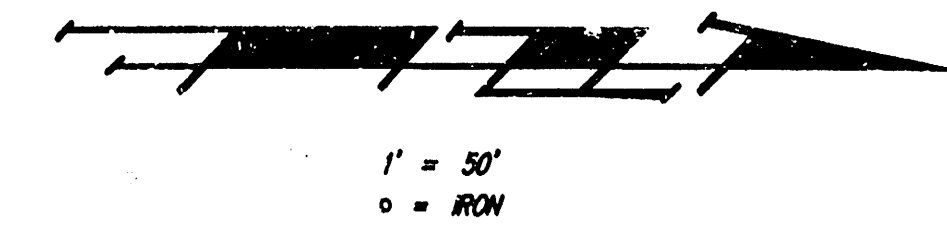
Dan Wright County Clerk

State of Kansas) SS This is to certify that this plat has been
Sedgwick County) filed for record in the office of the Register of Deeds, this 28th day
of May, 1991, at 10:00 o'clock A.M. and is duly re-
corded.

Pat Kettler Register of Deeds
Ed Hess Deputy



UNPLATTED



Min Bldg Pod Elev
(Lowest Opening)
Lots 1, 2, 3 & 7, Bk. A
Lots 1 thru 36, Bk. B
Lots 7 thru 15, & Lots 18 & 19, Bk. C
Elev 1321 MSL
Elev 133.6 City Datum

BENCH MARK:
City Standard Disc, 1/2 mile S. of Maple
on 19th St. W. 39' E. of 1/4 Cor. & 3'
S. of Fe. Cor.
Elev = 1330.36 City Datum
Elev = 1317.76 MSL

BENCH MARK:
Flood Control Disc on S. and RCBC
E. Side of Forrestview @ Maple
Elev = 135.57 City Datum
Elev = 1322.97 MSL

NOTE:
Minimum Garage Floor Elevations
Are Shown On The Plan. Contractor
To Set Finish Floor Elevations.

Existing Contours Are Shown At Two
Foot Intervals.
Proposed Contours Are Shown At One
Foot Intervals.

- INDICATES EASEMENT
AREA TO BE GRADED

CITY OF WICHITA
PARK PROPERTY

MAPLE VALLEY ADDITION GRADING PLAN			
 BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
EASEMENT GRADING PLAN			
DESIGN PJM	DRAWN MPS	UTL CHECKD DATE MAY 17, 1991	SCALE 1"=50'
			SHEET 10 OF 12