

Sanitary Sewer Extension

To Serve

MAPLE VALLEY ADDITION

LATERAL 7, MAIN 1

COWSKIN INTERCEPTOR SEWER

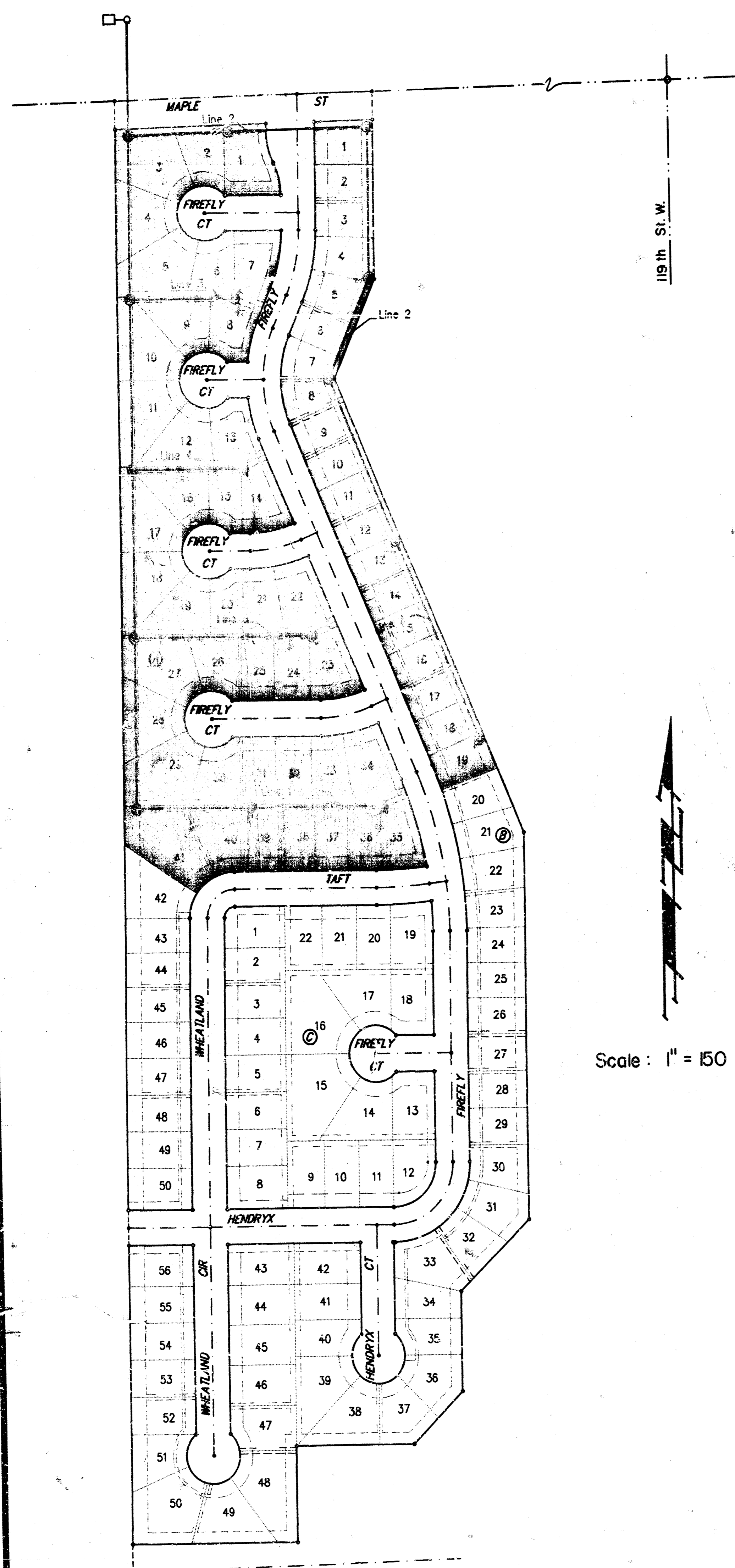
Project No.

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.

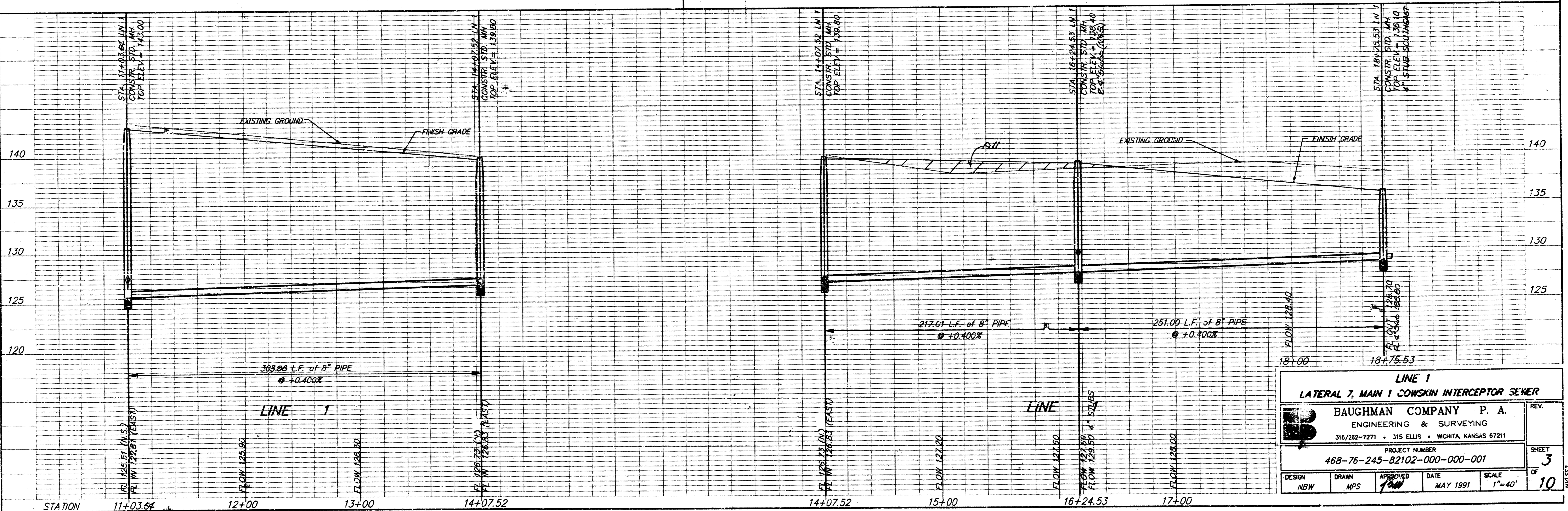
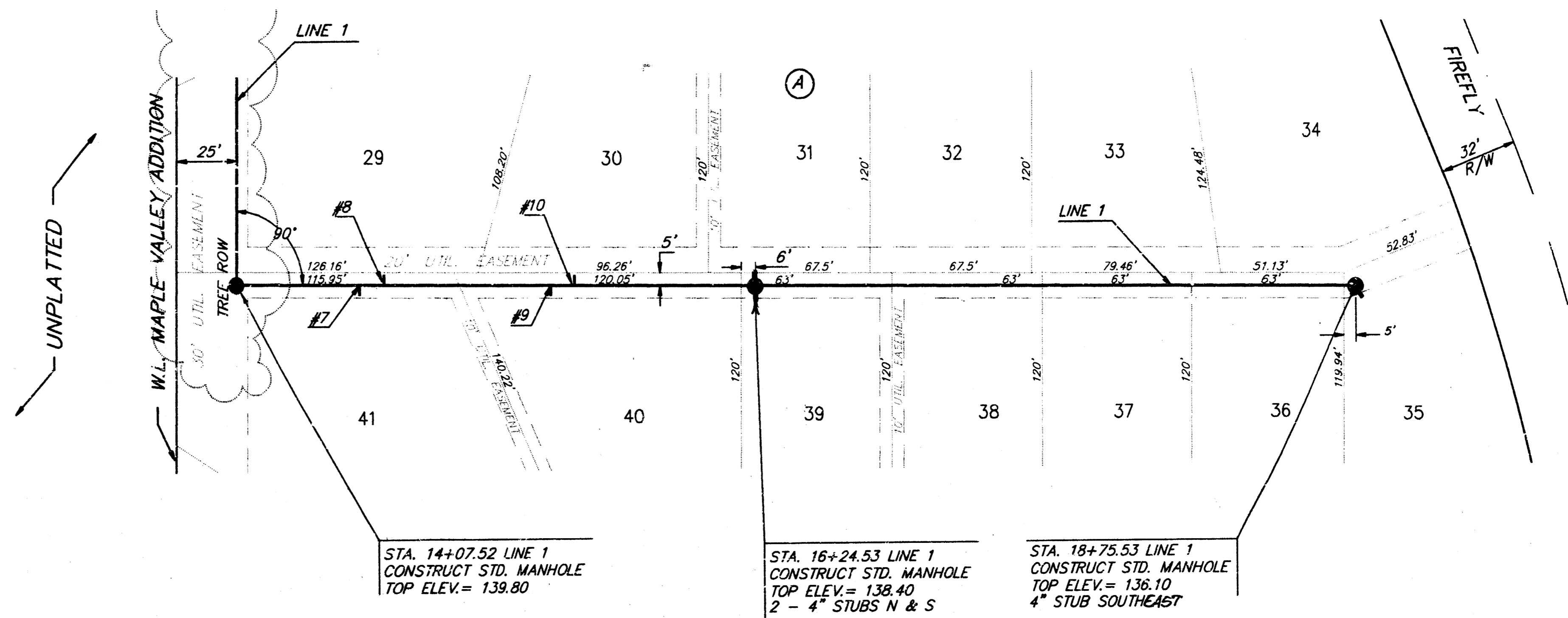
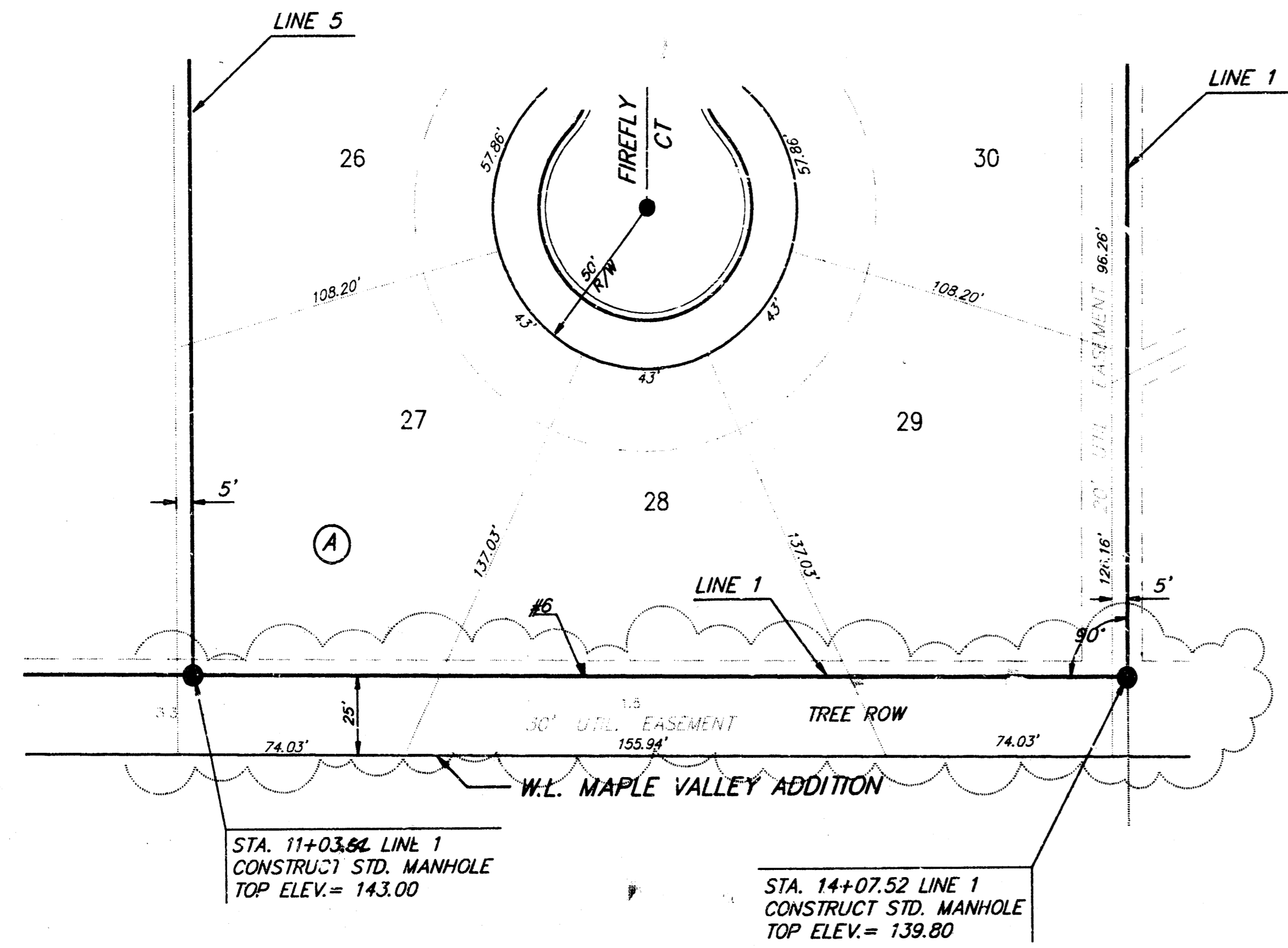
Booked 3-11-92 JRB



BENCH MARK:
Disc on S.E. Cor. of the Headwall of an
RCDC 143.5' W. & 85.5' N of the 1/4 Section
Elev. = 135.57

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

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

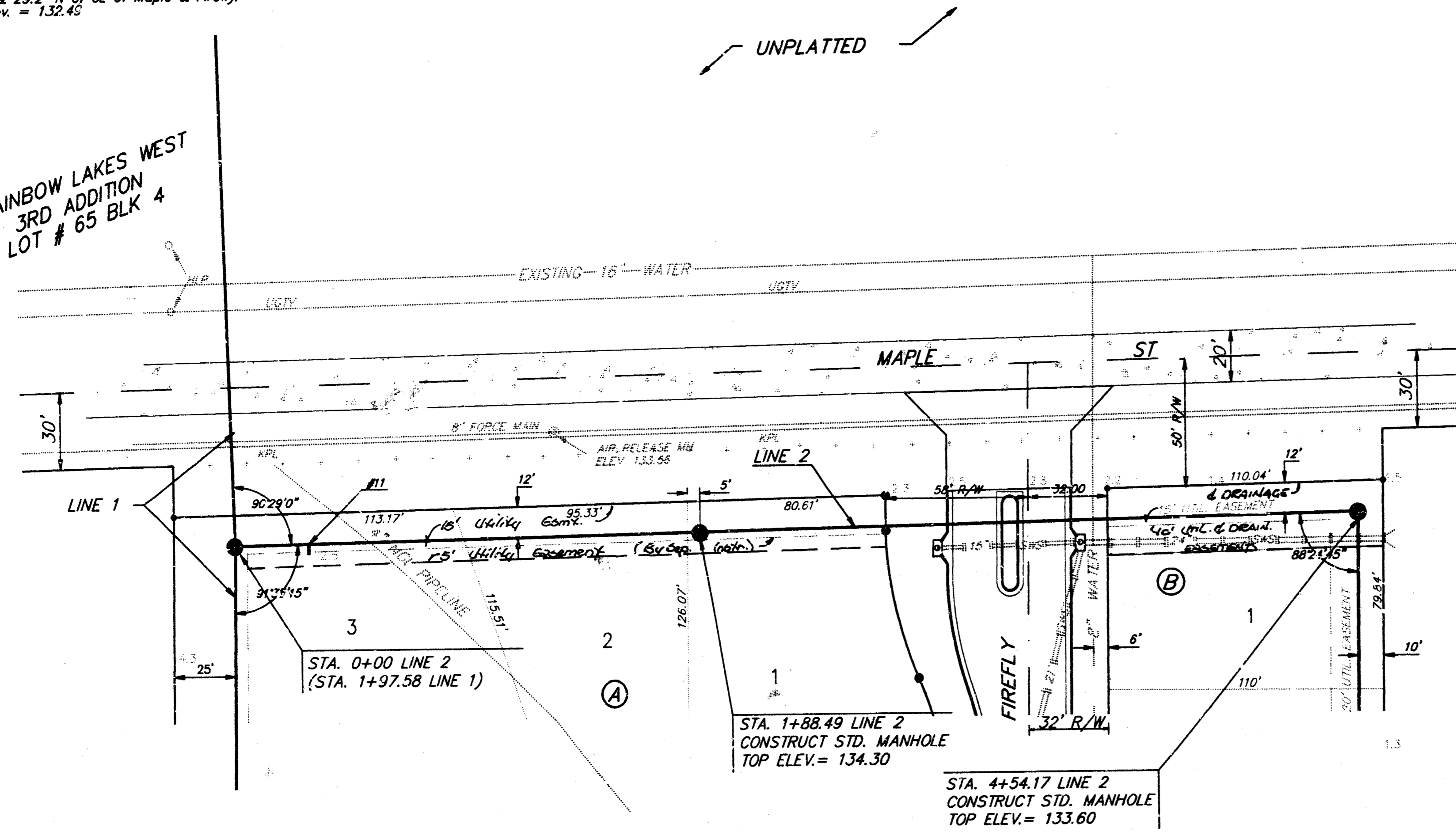


LINE 1			
LATERAL 7, MAIN 1 COWSKIN INTERCEPTOR SEWER			
BAUGHMAN COMPANY P. A.			
ENGINEERING & SURVEYING			
316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER			
468-76-245-82102-000-000-001			
DESIGN	DRAWN	APPROVED	DATE
NBW	MPS	<i>[Signature]</i>	MAY 1991
SCALE			SHEET
1"=40'			3
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

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

BENCH MARK:
R.R. Spike in Highline Pole 22.5'
E & 28.2' N of CL of Maple & Firefly.
Elev. = 132.45

RAINBOW LAKES WEST
3RD ADDITION
LOT # 65 BLK 4

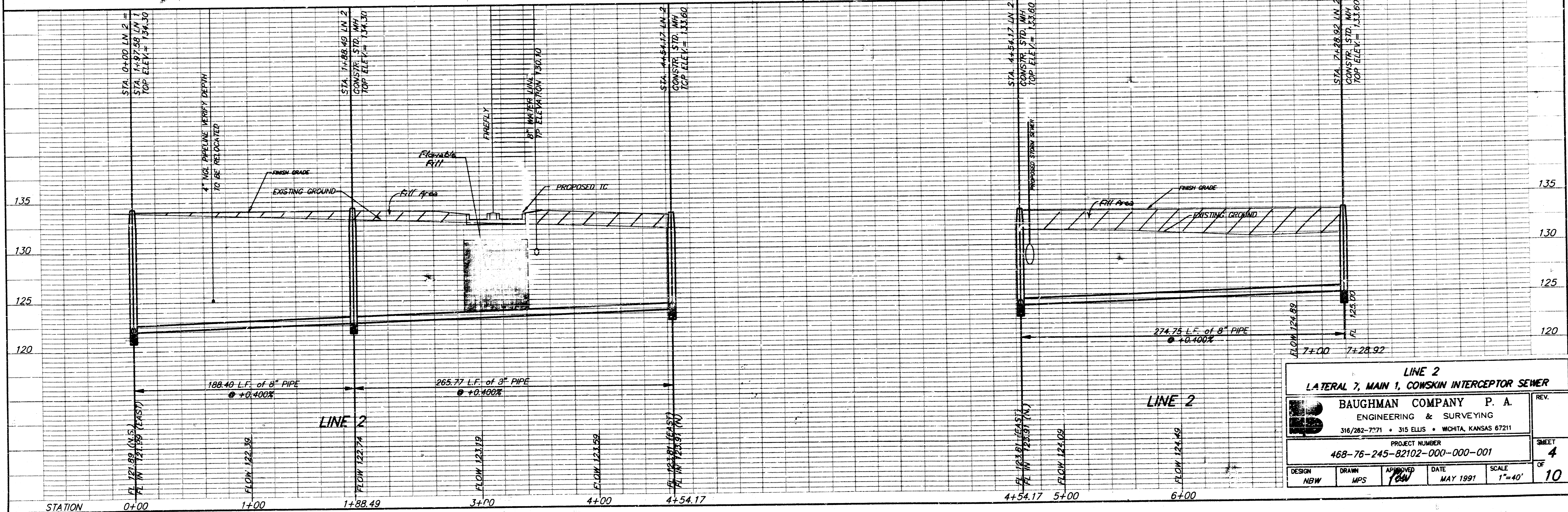
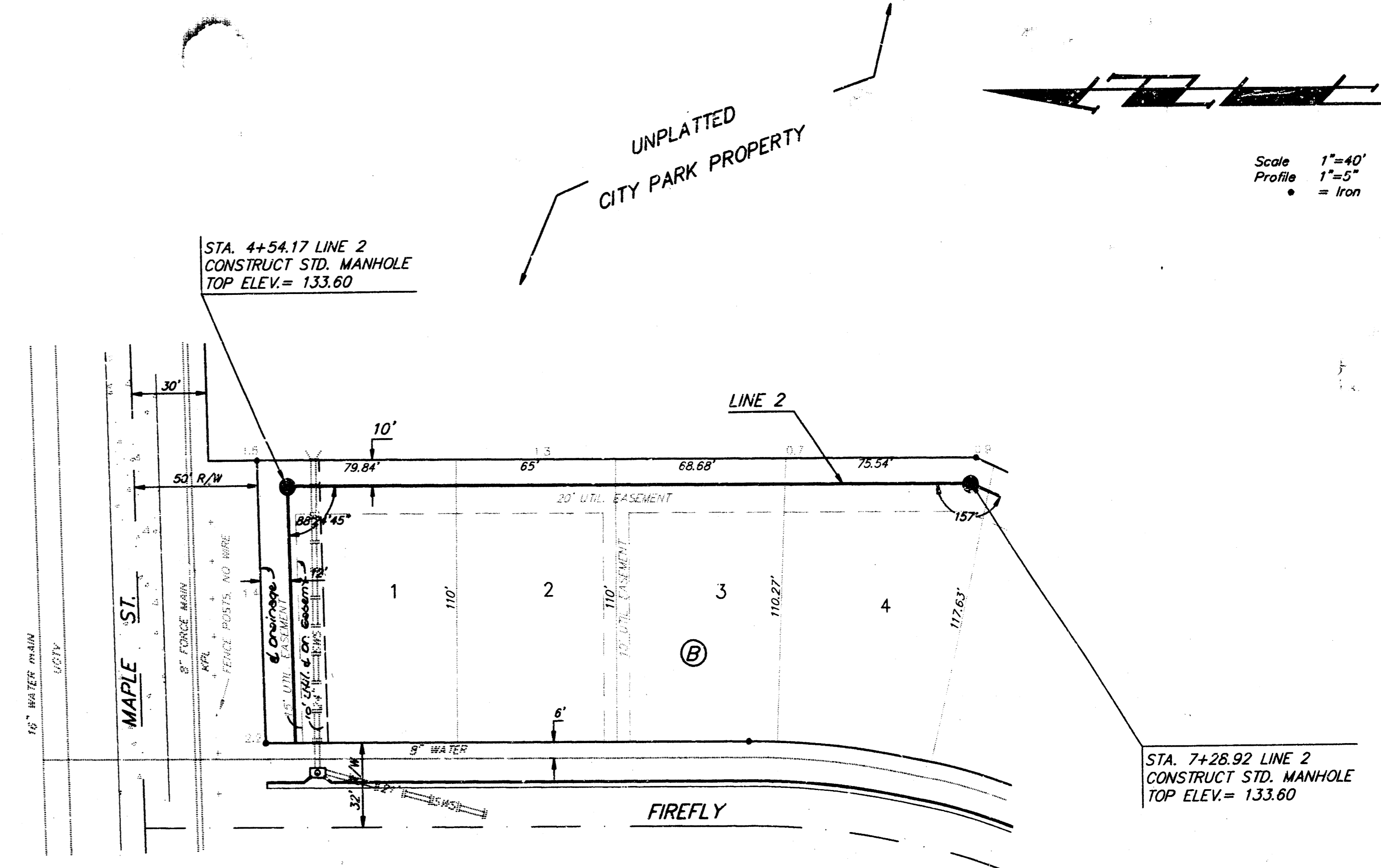


MAPLE VALLEY ADDITION

Scale
1"=40'
Profile
1"=5'
• = Iron

UNPLATTED
CITY PARK PROPERTY

Scale
1"=40'
Profile
1"=5'
• = Iron



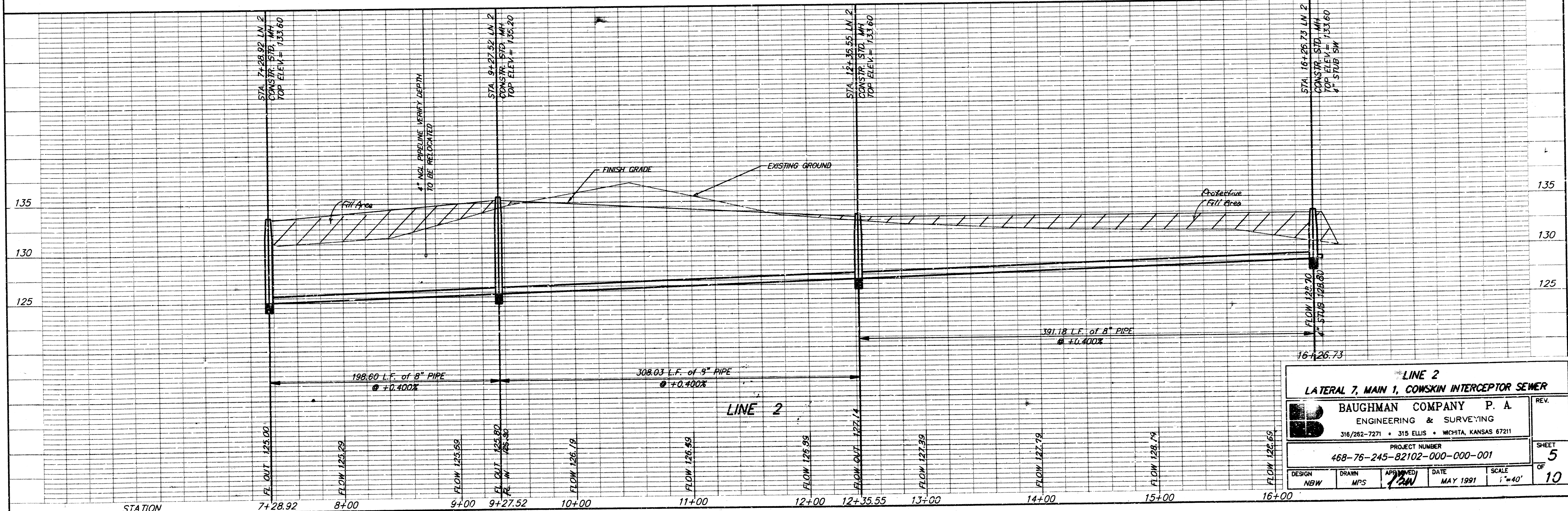
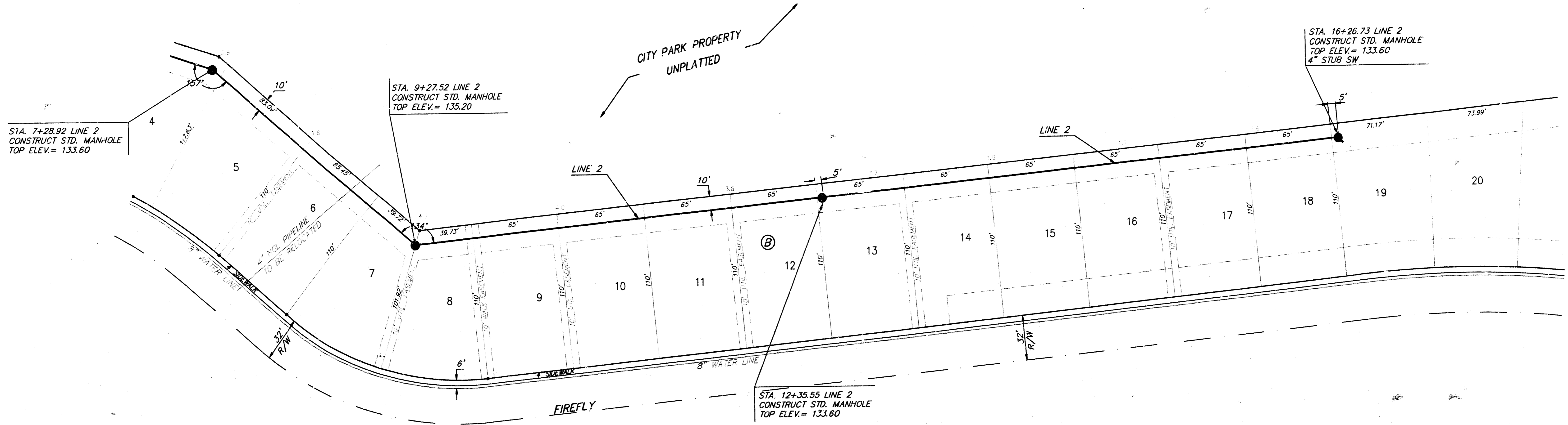
LINE 2				
LATERAL 7, MAIN 1, COWSKIN INTERCEPTOR SEWER				
BAUGHMAN COMPANY P. A.		REV.		
ENGINEERING & SURVEYING		316/282-7771 • 315 ELLIS • WICHITA, KANSAS 67211		
PROJECT NUMBER		SHEET		
468-76-245-82102-000-001		4		
DESIGN	DRAWN	APPROVED	DATE	SCALE
NBW	MPS	JEM	MAY 1991	1"=40'
				OF
				10

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

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



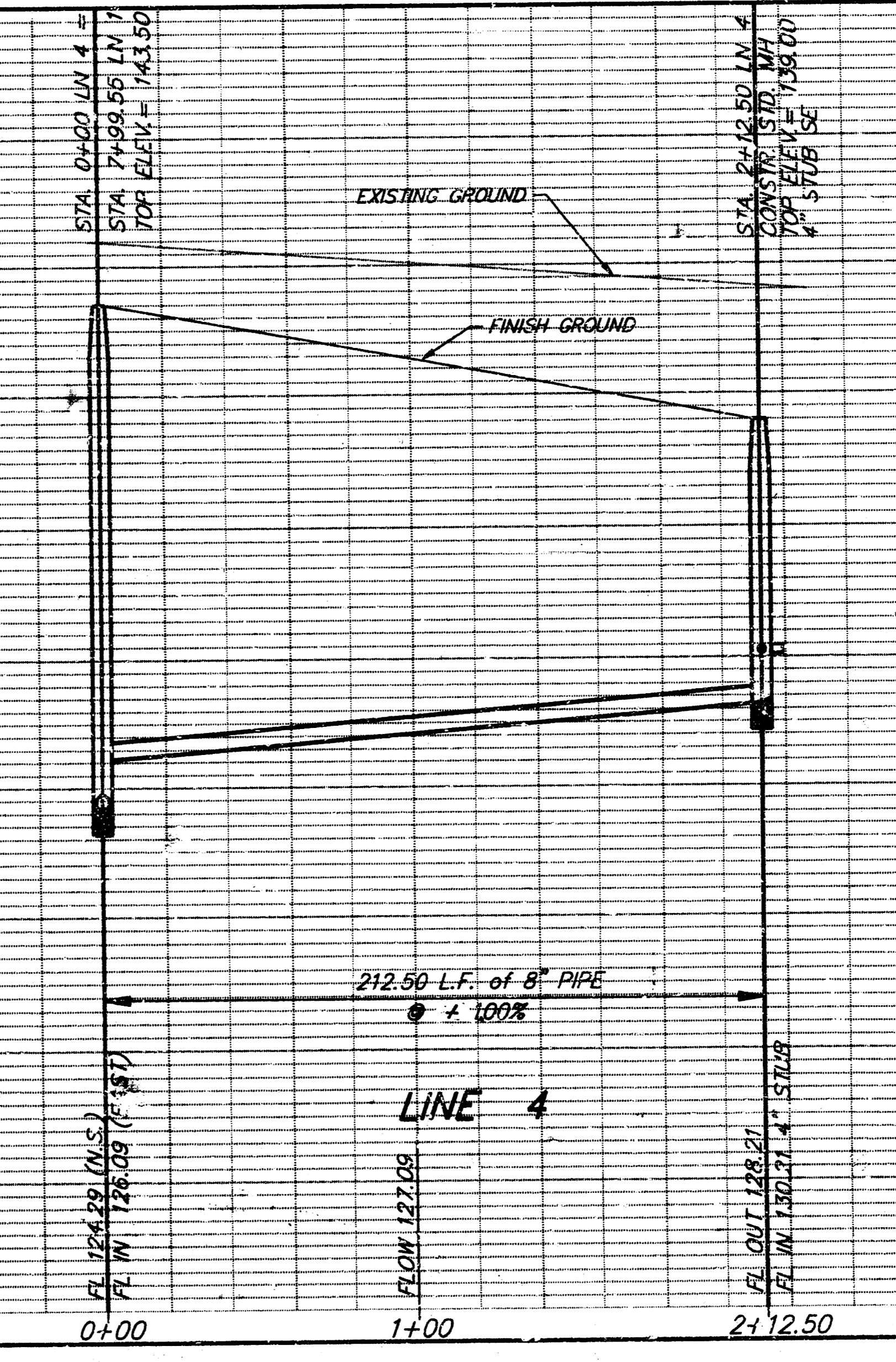
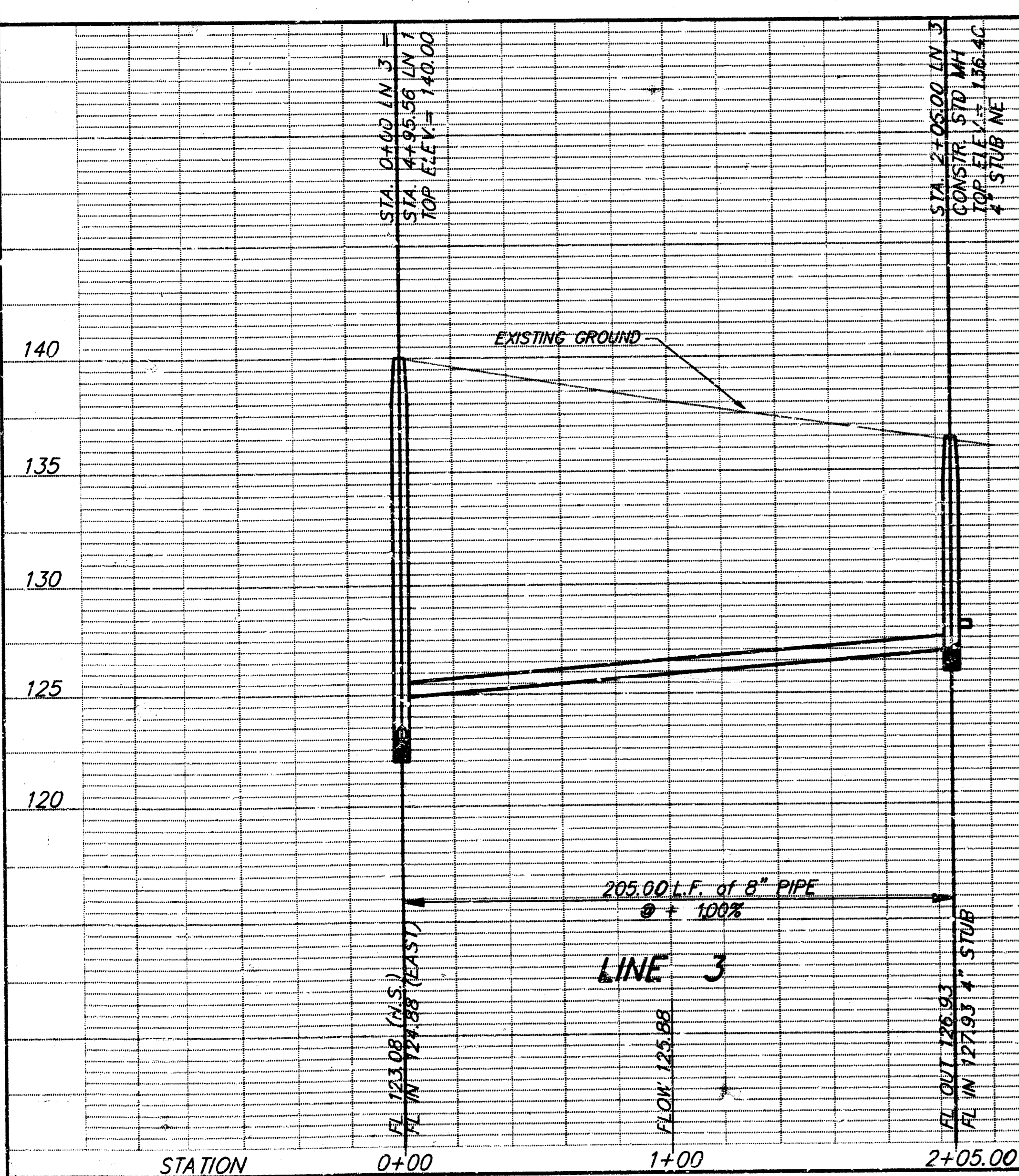
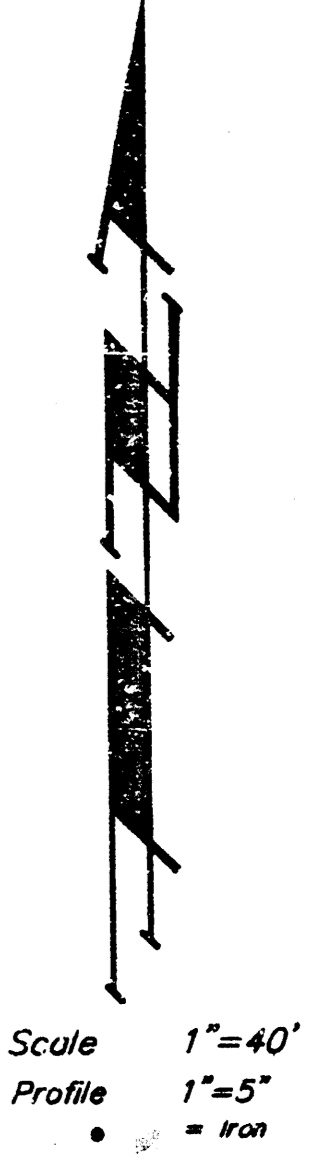
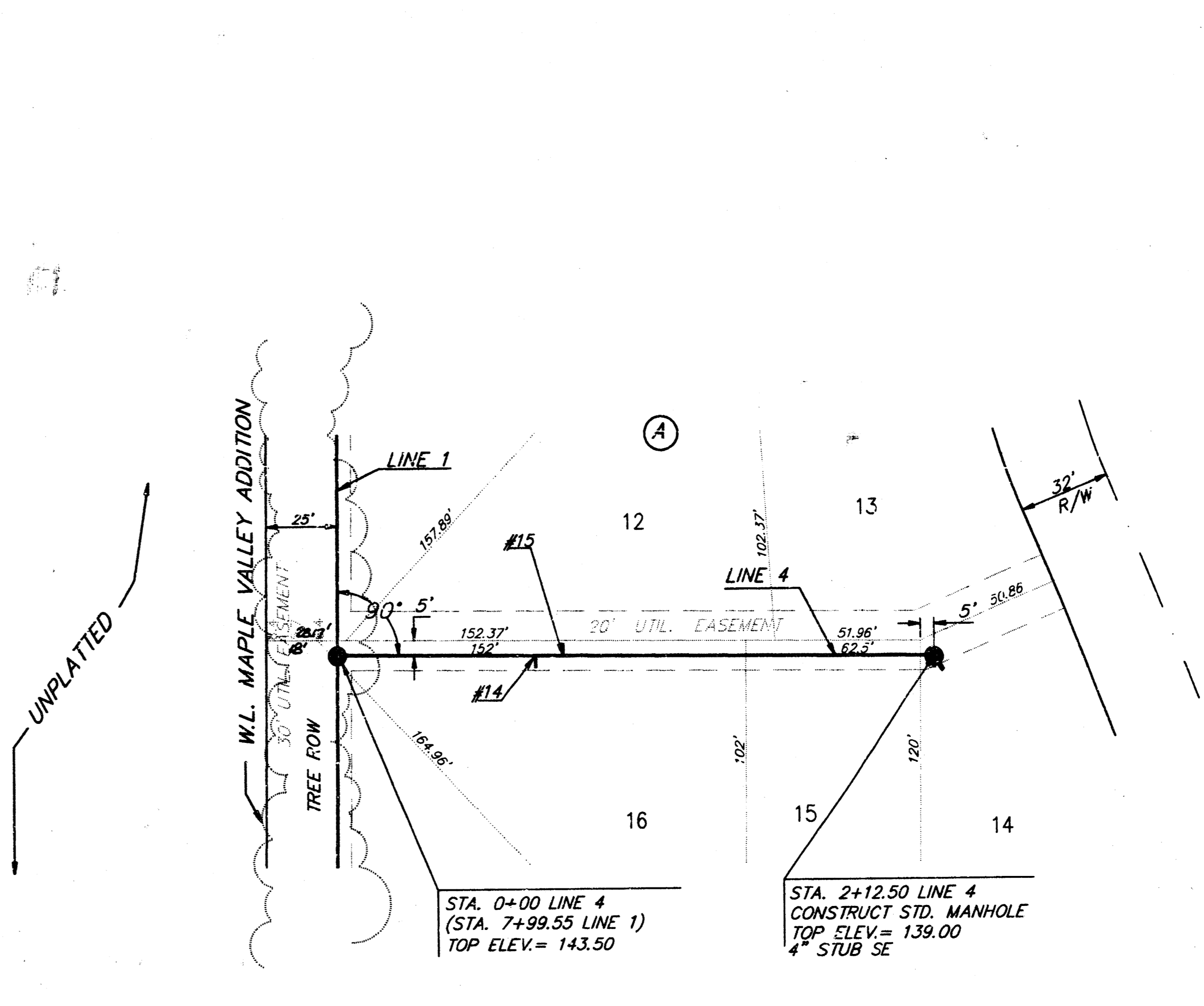
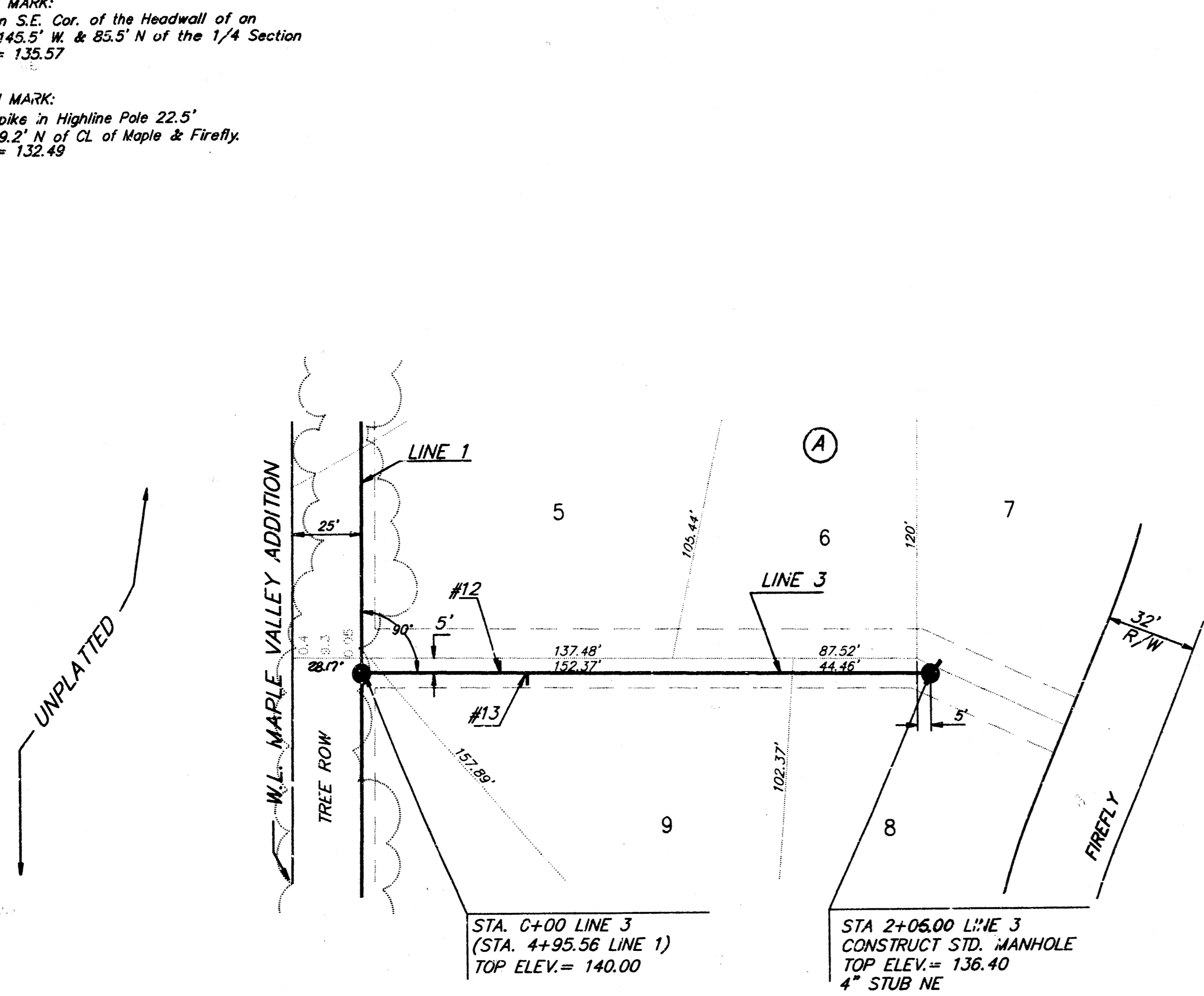
Scale 1"=40'
Profile 1"=5'
• = Iron



LINE 2			
LATERAL 7, MAIN 1, COWSKIN INTERCEPTOR SEWER			
BAUGHMAN COMPANY P. A.			
ENGINEERING & SURVEYING			
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER			
468-76-245-82102-000-001			
DESIGN	DRAWN	APPROVED	DATE
NEWB	MPS	JAW	MAY 1991
SCALE			SHEET
1"=40'			5
			OF
			10

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

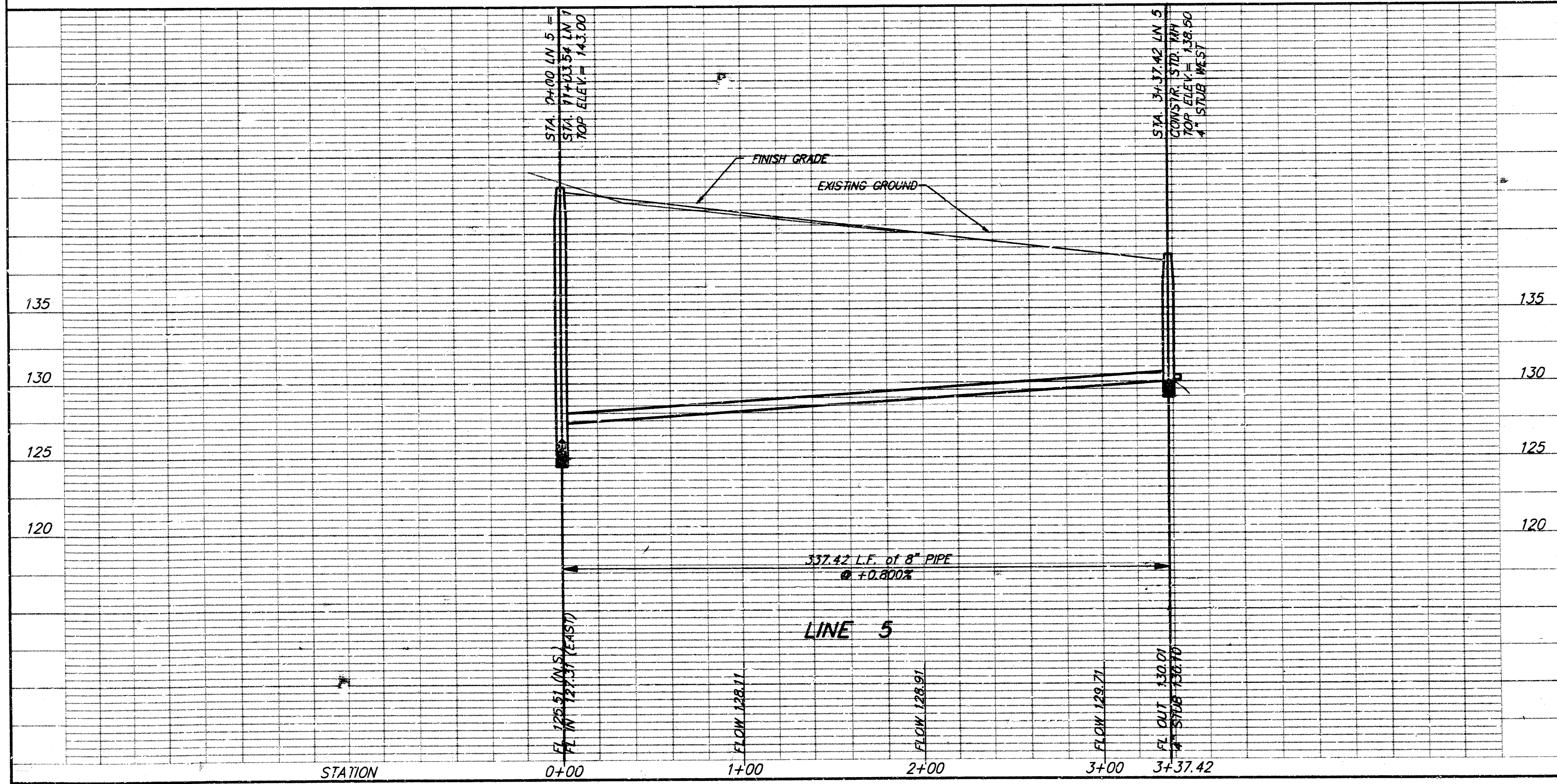
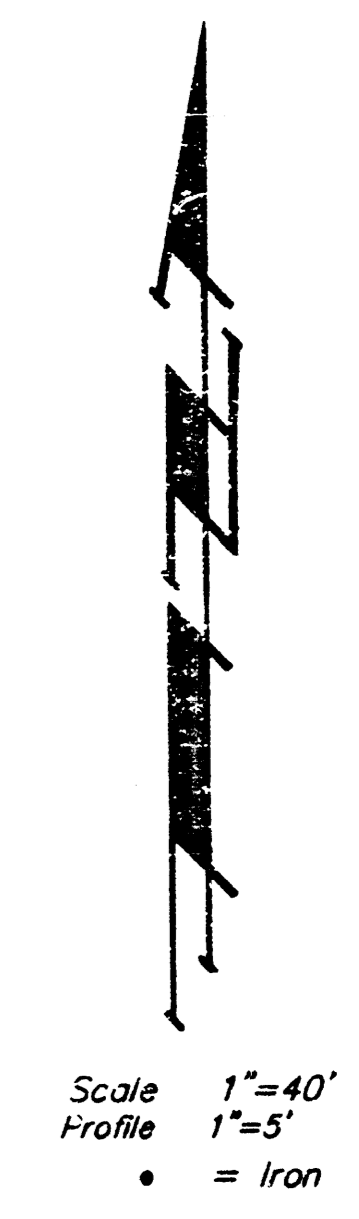
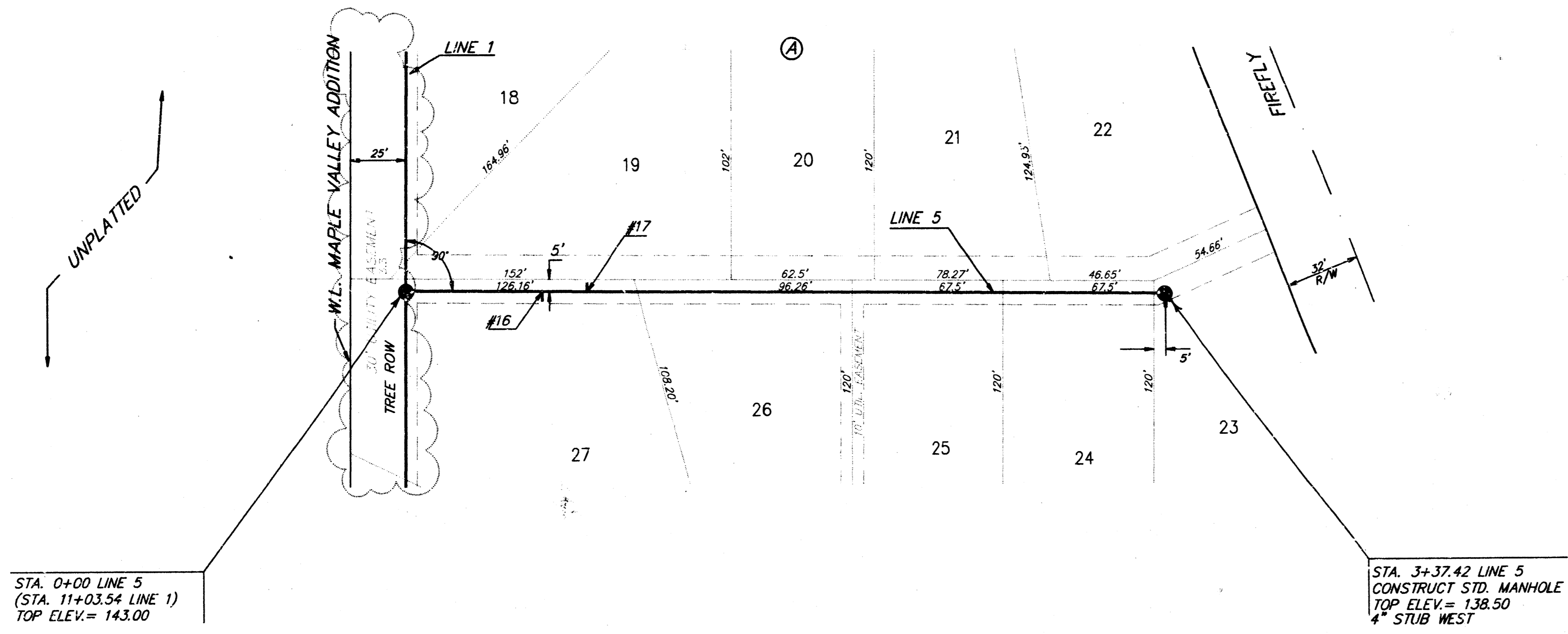
BENCH MARK:
R.R. Spike in Highline Pole 22.5'
E. & 29.2' N of CL of Maple & Firefly
Elev. = 132.49



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

BENCH MARK:
Disc on S.E. Cor. of the Headwall of an
R.O.D. 143.5' W. & 85.5' N of the 1/4 Section
Elev. = 135.57

BENCH MARK:
R.R. Spike in Hig. Pole 22.5'
E. & 28.2' N of Cl. of Maple & Firefly
Elev. = 132.49



RISER LOCATION TABLE

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	128.00
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

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
315/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
463-76-245-82102-000-000-001

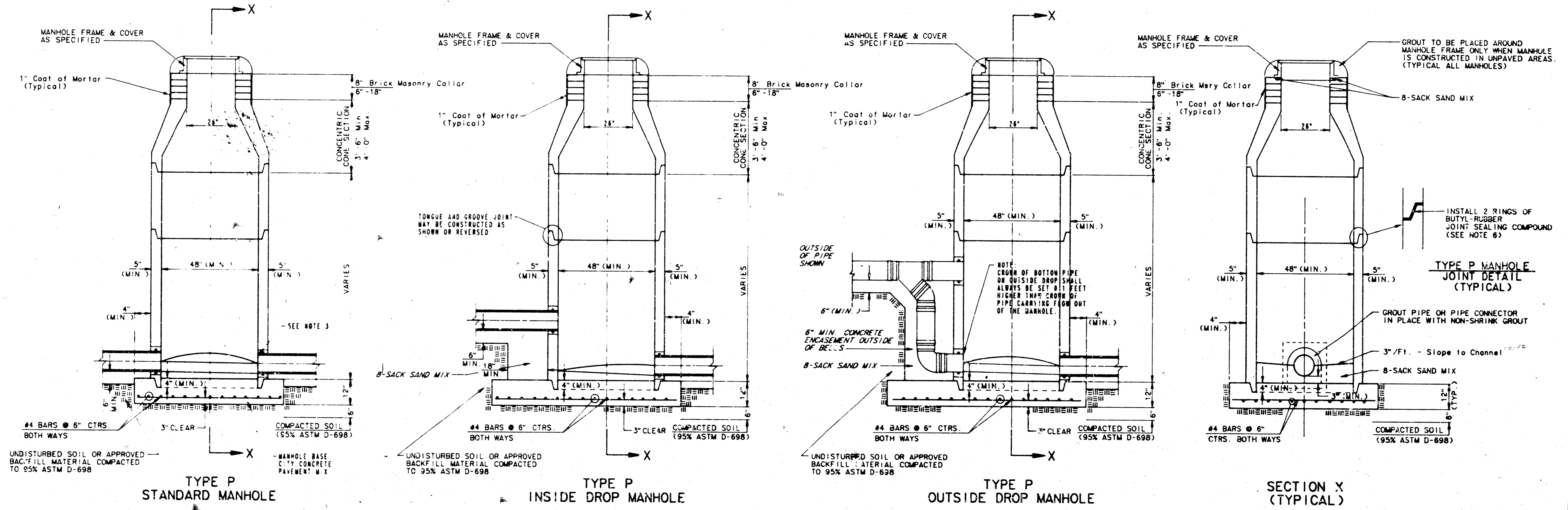
DESIGN: NBW DRAWN: MPS APPROVED: JTW DATE: MAY 1991 SCALE: 1" = 40' SHEET: 7 OF 10

SEWER APPURTENANCES DETAILS

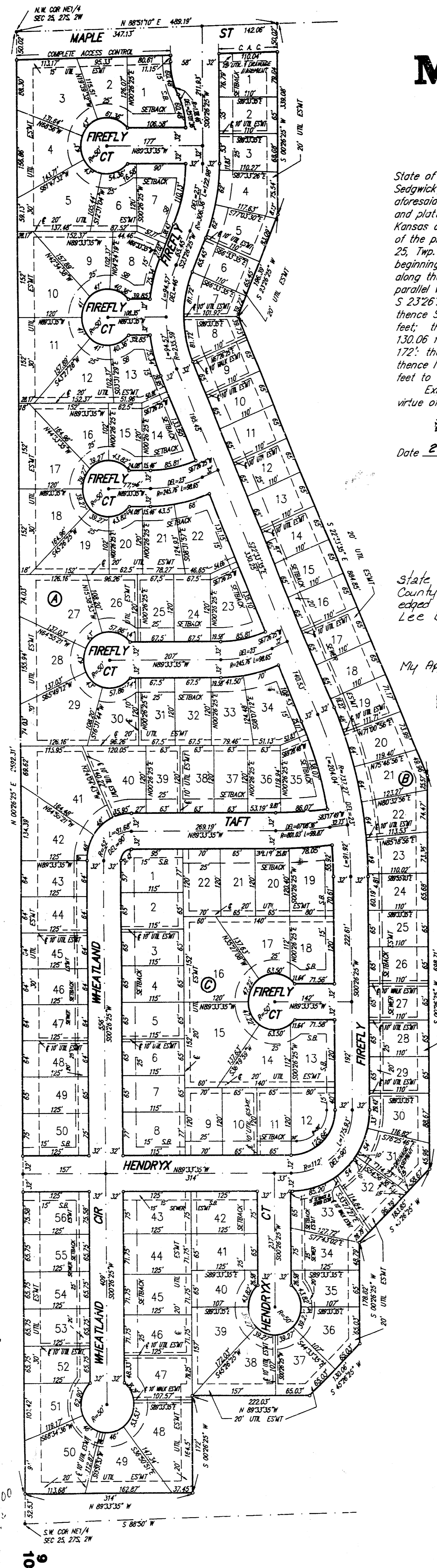
ADOPTED AS STANDARD DESIGN

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 ENCASUREMENT 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 (TWO COATS 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 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, 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 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. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.
 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 SEWER SLOBS 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 NEAR 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 ON 20 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 CORE. 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.



MAPLE VALLEY ADDITION

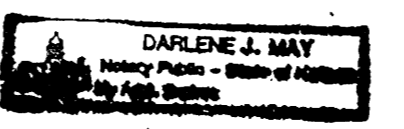
WICHITA, SEDGWICK COUNTY, KANSAS

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.
 25, Twp. 27-S, R. 3-W, 1/4 of the 6th P.M., Sedgwick County, Kansas,
 beginning at the SW 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,
 132.06 feet; thence N 89°33'35" W, 222.03 feet; thence S 00°26'25" W,
 172.12 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. Soyov Surveyor



State of Kansas) SS The foregoing instrument acknowledged
 before me, this 1st day of May, 1991, by
 Lee Banks
 My App'l. Exp. 8-28-92
 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 fences 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 egress 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 1211.45/1111.6 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 1st day of January, 1991, by
 Richard E. Huffman, Secretary of Maple Valley Corporation, on behalf
 of the corporation.
 My App'l. 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
 Lee Banks Individual

State of Kansas) SS The foregoing instrument acknowledged be-
 fore me, this 1st day of July, 1991, by
 Brad E. Yager, Senior Vice-President of State Bank of Colwich, on
 behalf of the corporation.
 My App'l. Exp. 3-2-92
 Frank A. Suettenroep Notary Public

This plat of "MAPLE VALLEY ADDITION",
 Wichita, Sedgwick County, Kansas has been submitted to and approved
 by the Wichita-Sedgwick County Metropolitan Area Planning Com-
 mission, Wichita, Kansas.
 Dated this 27 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 22 day of April, 1991.

Bob Knight Mayor
 Pat Burnett Deputy City Clerk

Entered on transfer record this 28 day
 of May, 1991.
 Dan Wright County Clerk

State of Kansas) SS This is to certify that this plat has been
 filed for record in the office of the Register of Deeds, this 22nd day
 of MAY, 1991, at 10:20 o'clock A.M. and is duly re-
 corded.

Pat Kettler Register of Deeds
 Ed Raso Deputy

UNPLATTED



1" = 50'
• = IRM

Min Bldg Foot 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. = 133.36 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: P.J.M. DRAWN: M.P.S. UTIL. CHECKED: DATE: MAY 17, 1991 SCALE: 1"=50'

SHEET
10
OF
12

