

WILLOWBEND FOURTH ADDITION WATER MAIN PLANS PRIVATE PROJECT NO.

448-76-245-80001-000-000-159

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER

MARCH 1987

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers _____
Driveway Approaches _____
Water Mains *R. J. ...* 4-27-87
Paving _____

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN & PROFILE - MAIN 1 & MAIN 2
3	STD. WATER ASSEMBLY DETAILS
4	WILLOWBEND FOURTH ADD. FINAL PLAT

GENERAL NOTES

1. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF TWENTY-FOUR (24) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 1-800-344-7233

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:

CABLEVISION	262-4270 or 263-2061
KPL GAS SERVICE COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141
ARKLA GAS COMPANY	942-8350 or 263-8161
SOUTHWEST BELL TELEPHONE COMPANY	1-571-2611
CITY OF WICHITA WATER DEPARTMENT	268-4908
CITY OF WICHITA SEWER MAINTENANCE	268-4071

2. ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA, KANSAS, STANDARD SPECIFICATIONS FOR WATER MAIN INSTALLATIONS NO. 14533.

3. THE WATER MAIN SHALL BE CONSTRUCTED ON THE ALIGNMENT SHOWN BY THE PLANS. THE COST FOR ANY NECESSARY TREE TRIMMING, CLEARING AND/OR GRUBBING SHALL BE INCLUDED IN THE PRICE BID FOR THE INSTALLED WATER MAIN PIPE.

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, AND SHALL BE INCLUDED IN THE PRICE BID FOR THE INSTALLED WATER PIPE. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.

4. OPENING AND CLOSING WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.

5. CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.

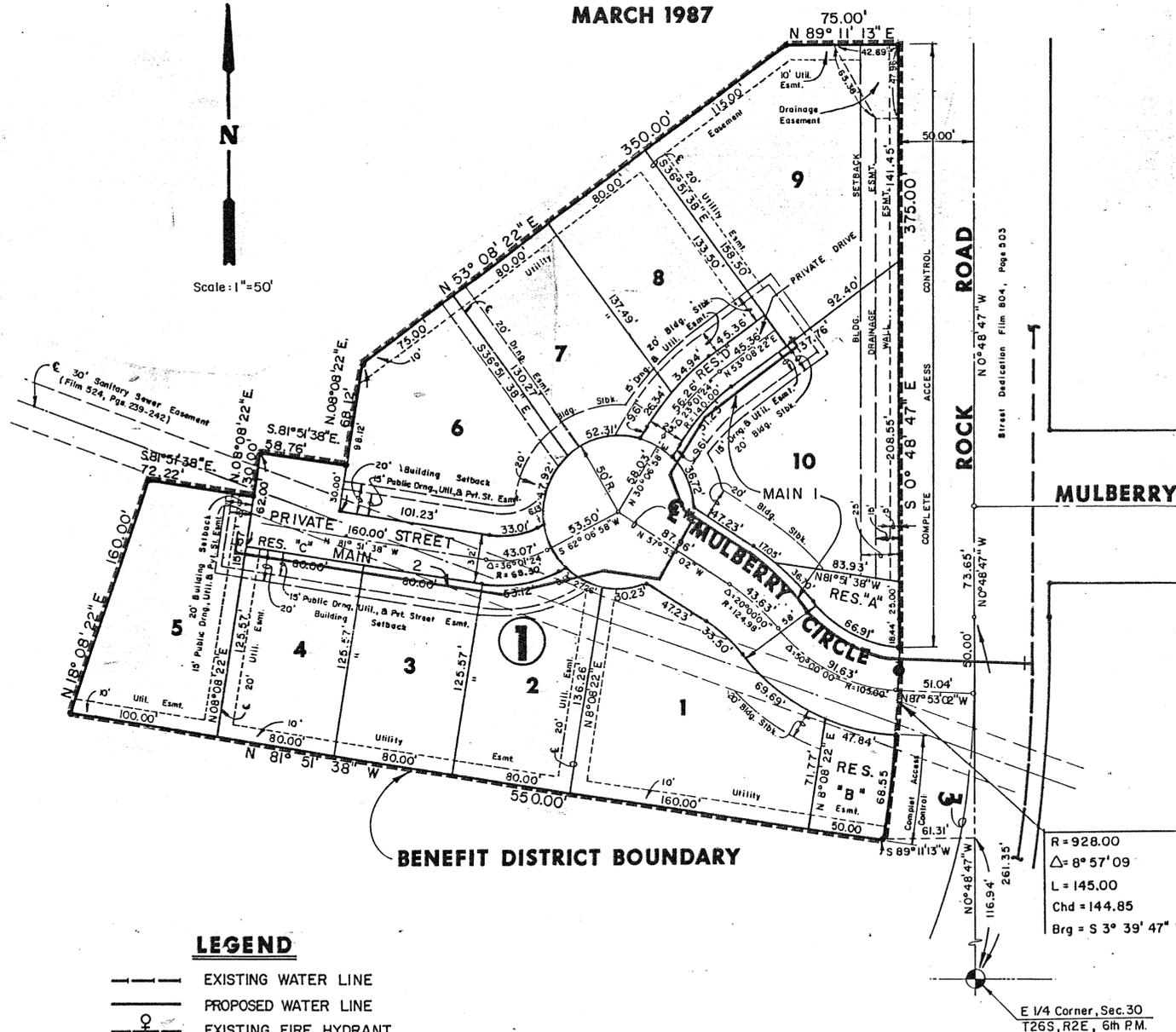
6. UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION 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.

7. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL 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.

9. TRAFFIC WILL NOT BE AFFECTED BY THIS CONSTRUCTION.

Scale: 1"=50'



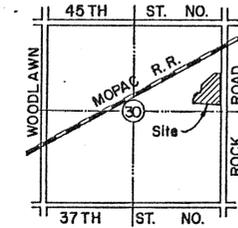
LEGEND

- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED OUTLETS
- LINE VALVE
- BENCHMARK

NOTE:
WATER LINE VALVES TO BE OPERATED BY
CONTRACTOR ONLY IF WATER INSPECTOR
IS ON SITE.

NOTE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will pay the City of Wichita for all costs of plan review, inspection and booking per contract.



LOCATION MAP

BENCHMARKS

- BM 1: City Standard, 44'S & 48'W of C of 37th St. No. & Rock Road Elev. = 204.11
- BM 2: "O" Cut on NE corner of RCB ± 900' N. of E 1/4 corner, Sec. 30, T26S, R2E Elev. = 185.36
- BM 3: "O" Cut on SW corner of W Hubguard of Underground Golf Cart Path

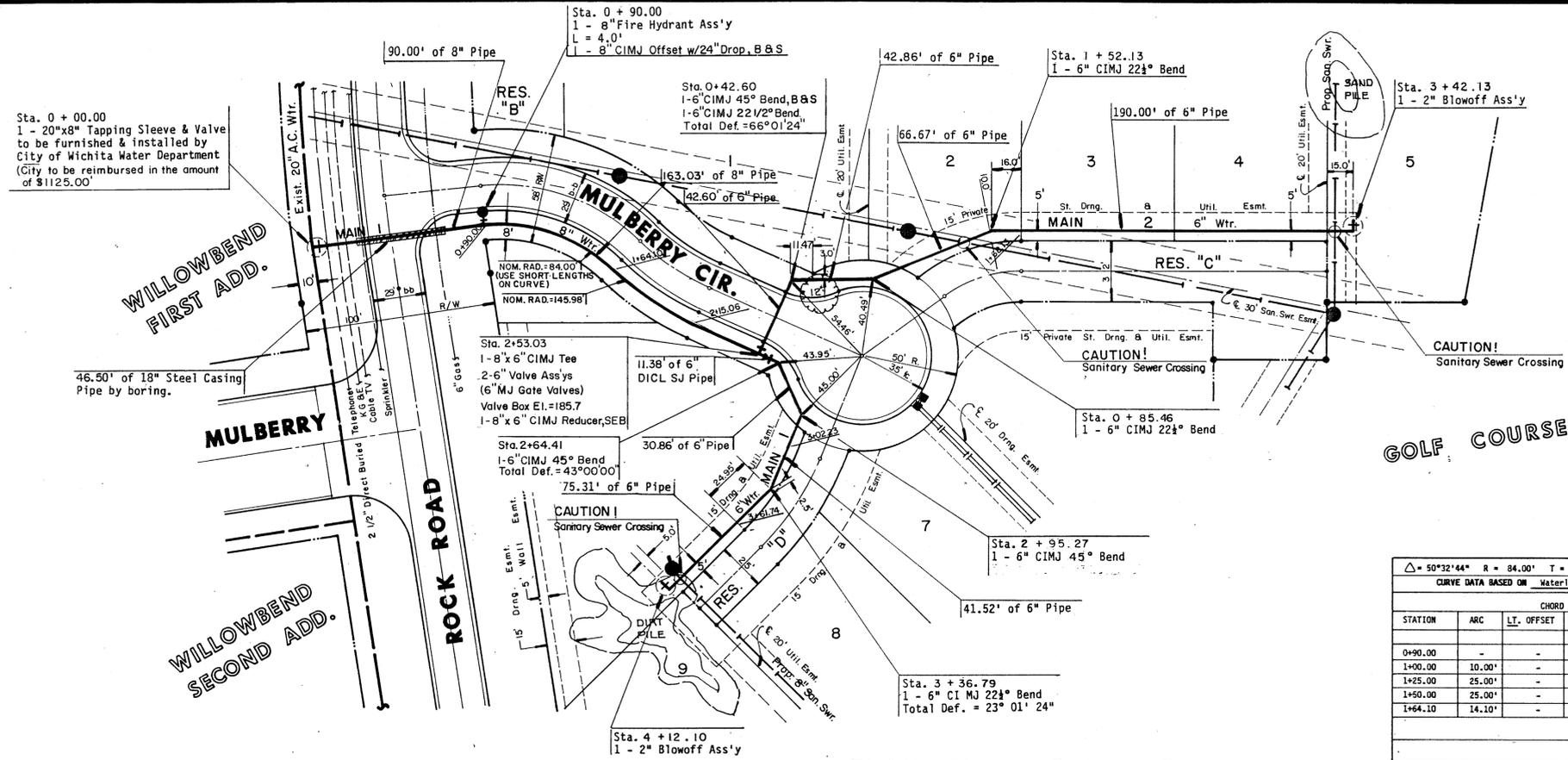
R = 928.00
Δ = 8° 57' 09"
L = 145.00
Chd = 144.85
Brq = S 3° 39' 47" V

E 1/4 Corner, Sec. 30
T26S, R2E, 6th P.M.



	WILLOWBEND FOURTH ADDITION	Design KKL
	WATER MAIN PLANS	Drawn by OPR/DDG
		Checked by KHB
		Date 4-24-87
		Scale 1/50

MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226	682-6561	Sheet 1 of 4
---	----------	-------------------------------------



△ = 50°32'44" R = 84.00' T = 39.66' L = 74.10' LC = 71.72'
 CURVE DATA BASED ON Waterline RAD. / 2 = 25°16'22"

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		LI. OFFSET	8" RI. OFFSET		
0+90.00	-	-	-	-	0°00'00"
1+00.00	10.00'	-	9.04'	3°24'38"	3°24'38"
1+25.00	25.00'	-	22.54'	8°31'34"	11°56'12"
1+50.00	25.00'	-	22.54'	8°31'34"	20°27'46"
1+64.10	14.10'	-	12.75'	4°48'36"	25°16'22"

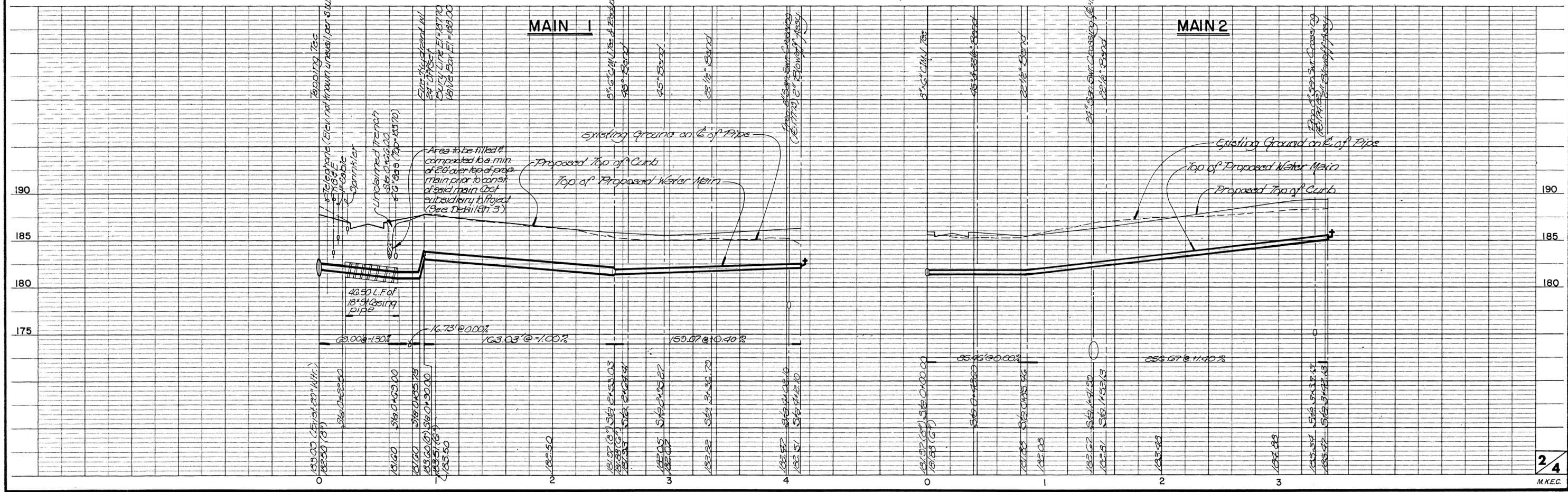
Def./Ft. = 20.4628 Min.

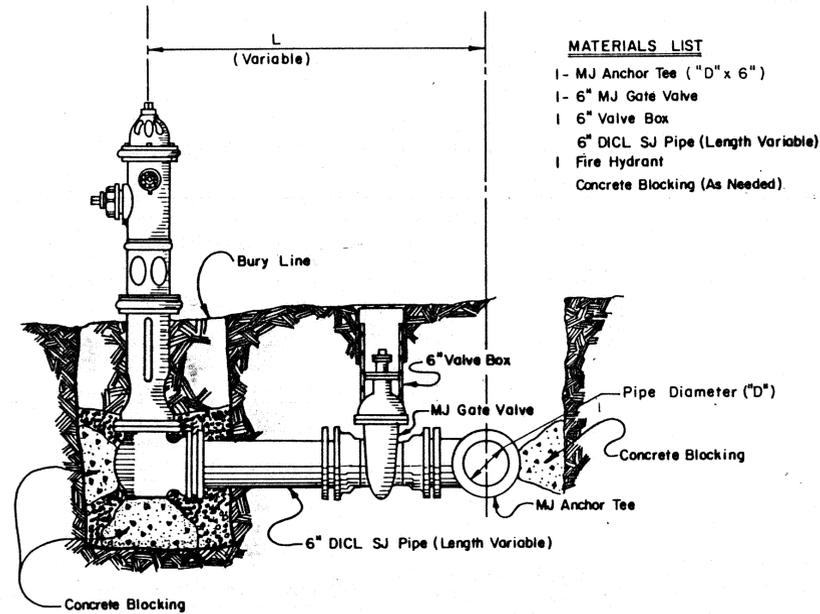
△ = 20°00'00" R = 145.98' T = 25.74' L = 50.96' LC = 50.70'
 CURVE DATA BASED ON Waterline RAD. / 2 = 10°00'00"

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		LI. OFFSET	8" RI. OFFSET		
1+64.10	-	-	-	-	0°00'00"
1+75.00	10.90'	-	11.49'	2°08'21"	2°08'21"
2+00.00	25.00'	-	26.34'	4°54'22"	7°02'43"
2+15.06	15.06'	-	15.87'	2°57'17"	10°00'00"

Def./Ft. = 11.7747 Min.

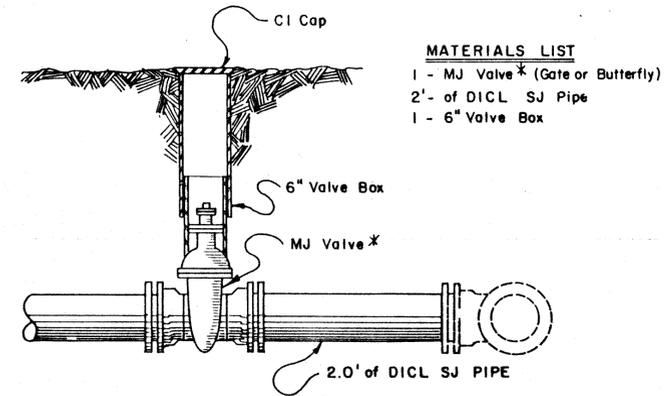
PLAN MAIN 1 & MAIN 2





- MATERIALS LIST**
- 1 - MJ Anchor Tee ("D" x 6")
 - 1 - 6" MJ Gate Valve
 - 1 6" Valve Box
 - 6" DI CL SJ Pipe (Length Variable)
 - 1 Fire Hydrant
 - Concrete Blocking (As Needed)

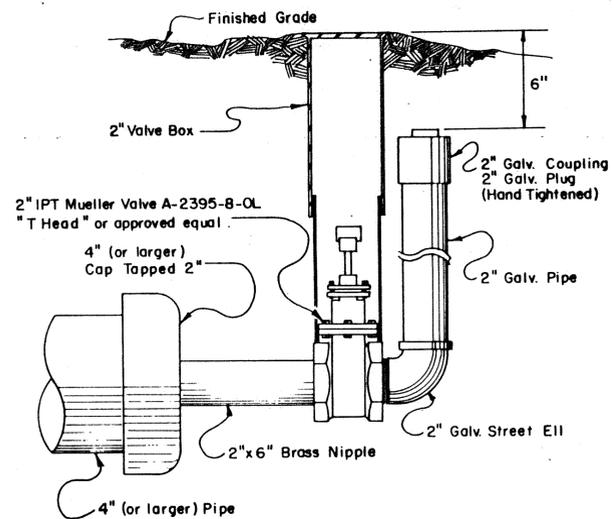
FIRE HYDRANT ASSEMBLY



- MATERIALS LIST**
- 1 - MJ Valve* (Gate or Butterfly)
 - 2'- of DI CL SJ Pipe
 - 1 - 6" Valve Box

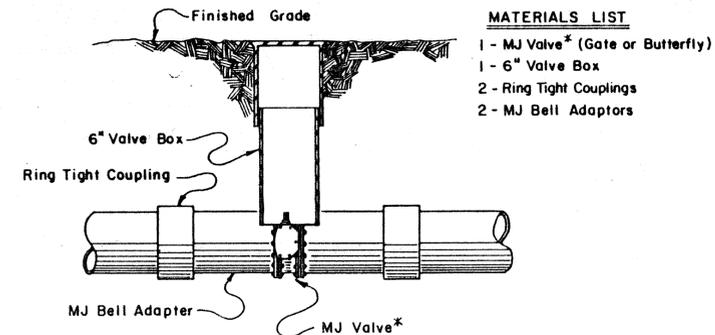
VALVE ASSEMBLY

* See plans for the type of valve to be used.



- MATERIALS LIST**
- 1 - 2" Valve Box
 - 1 - CIMJ Cap
 - 1 - 2"x6" Brass Nipple
 - 1 2" IPT Mueller Valve A-2395-8-OL
 - "T Head" or approved equal
 - 1 - 2" Galv. Street Ell
 - 2" Galv. Pipe (as required)
 - 1 - 2" Galv. Coupling
 - 1 - 2" Galv. Plug (Hand Tightened)

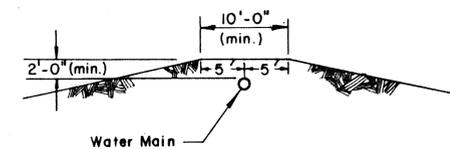
2" BLOWOFF ASSEMBLY



- MATERIALS LIST**
- 1 - MJ Valve* (Gate or Butterfly)
 - 1 - 6" Valve Box
 - 2 - Ring Tight Couplings
 - 2 - MJ Bell Adaptors

LINE VALVE ASSEMBLY

* See plans for the type of valve to be used.



PROTECTIVE FILL DETAIL

This detail is only to be used whenever there is less than two feet of existing fill over proposed water main at time of construction.

STANDARD WATER ASSEMBLY DETAILS
CITY OF WICHITA, KANSAS

JANUARY, 1987

FINAL PLAT OF
WILLOWBEND FOURTH 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 "WILLOWBEND FOURTH ADDITION" an addition to Wichita, Sedgwick County, Kansas, into Lots, Blocks, Street, and Reserves, the same being accurately set forth in the accompanying plat and described as follows:

A tract of land lying in the Northeast Quarter, Section 30, Township 26 South, Range 2 East of the 6th P.M., more particularly described as follows:

Commencing from the Southeast corner of said Northeast Quarter; thence N 0° 48' 47" W, 116.94 feet; thence S 89° 11' 13" E, 61.31 feet to the point of beginning; thence N 81° 51' 38" W, 550.00 feet; thence N 18° 08' 22" E, 160.00 feet; thence S 81° 51' 38" E, 72.22 feet; thence N 08° 08' 22" E, 30.00 feet; thence S 81° 51' 38" E, 58.76 feet; thence N 08° 08' 22" E, 68.12 feet; thence N 53° 08' 22" E, 350.00 feet; thence N 89° 11' 13" E, 75.00 feet; thence S 00° 48' 47" E, 375.00 feet to a point on a curve to the right; thence 145.00 feet along said curve having a central angle of 08° 57' 09", a radius of 928.00 feet, and a long chord of 144.85 feet, bearing S 03° 39' 47" W 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 25 day of November, 1986.

Kenneth H. Bengtson
 Kenneth H. Bengtson, P.E.
 Mid-Kansas Engineering Consultants, P.A.
 3500 N. Rock Road, Building #800
 Wichita, KS 67226



Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineers Certificate, have caused the same to be surveyed and platted into Lots, a Block, Reserves and a street, the same to be known as "WILLOWBEND FOURTH ADDITION", an addition to Wichita, Sedgwick County, Kansas. The street is hereby dedicated to and for the use of the public. Reserves are platted for the construction and maintenance of public utilities and drainage. Reserves "A" and "B" are also platted for entrance monuments, landscaping and open spaces. Reserve "C" is also platted for private street and emergency vehicle access. Reserve "D" is also platted as a private drive to serve Lots 7, 8, 9, and 10, Block 1. The Reserves shall be owned and maintained by the Homeowners Association. Easements for the construction and maintenance of private streets, public utilities and drainage, as indicated on the accompanying plat, are hereby granted. The wall easement is hereby platted for the purpose of construction and maintenance of a private wall. All abutters rights of access to and from Rock Road over and across the East line of Lots 9 and 10 and Reserves "A" and "B" are hereby granted to the City of Wichita, Kansas.

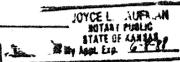
GOLF COURSES OF AMERICA, INC.

By: Frank A. Mills
 Frank A. Mills, President

STATE OF KANSAS)
) ss:
 SEDGWICK COUNTY

Be it remembered that on this 25th day of November, 1986, before me a Notary Public in and for said State and County, came Golf Courses of America, Inc. by Frank A. Mills, President, 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.

Joyce L. Johnson, Notary Public
 My Appointment Expires: June 8, 1988



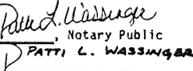
We, the Bank Audi (USA), mortgagees on the above described property, do hereby consent to the plat of "WILLOWBEND FOURTH ADDITION".

By: Phillip S. Frick
 Phillip S. Frick, Attorney-in-Fact

STATE OF KANSAS)
) ss:
 SEDGWICK COUNTY

Be it remembered that on this 24th day of November, 1986, before me a Notary Public in and for said State and County, came Phillip S. Frick, Attorney-in-Fact on behalf of Bank Audi (USA), 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.

Patti L. Wassinger, Notary Public
 My Appointment Expires: June 8, 1988



This plat of "WILLOWBEND FOURTH ADDITION" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 13th day of November, 1986.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

John Jerry Moore, Chairman
Michael E. Lindbeck, Secretary

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas, this 07th day of December, 1986.

Tony Casado, Mayor
Debi E. Davis, City Clerk

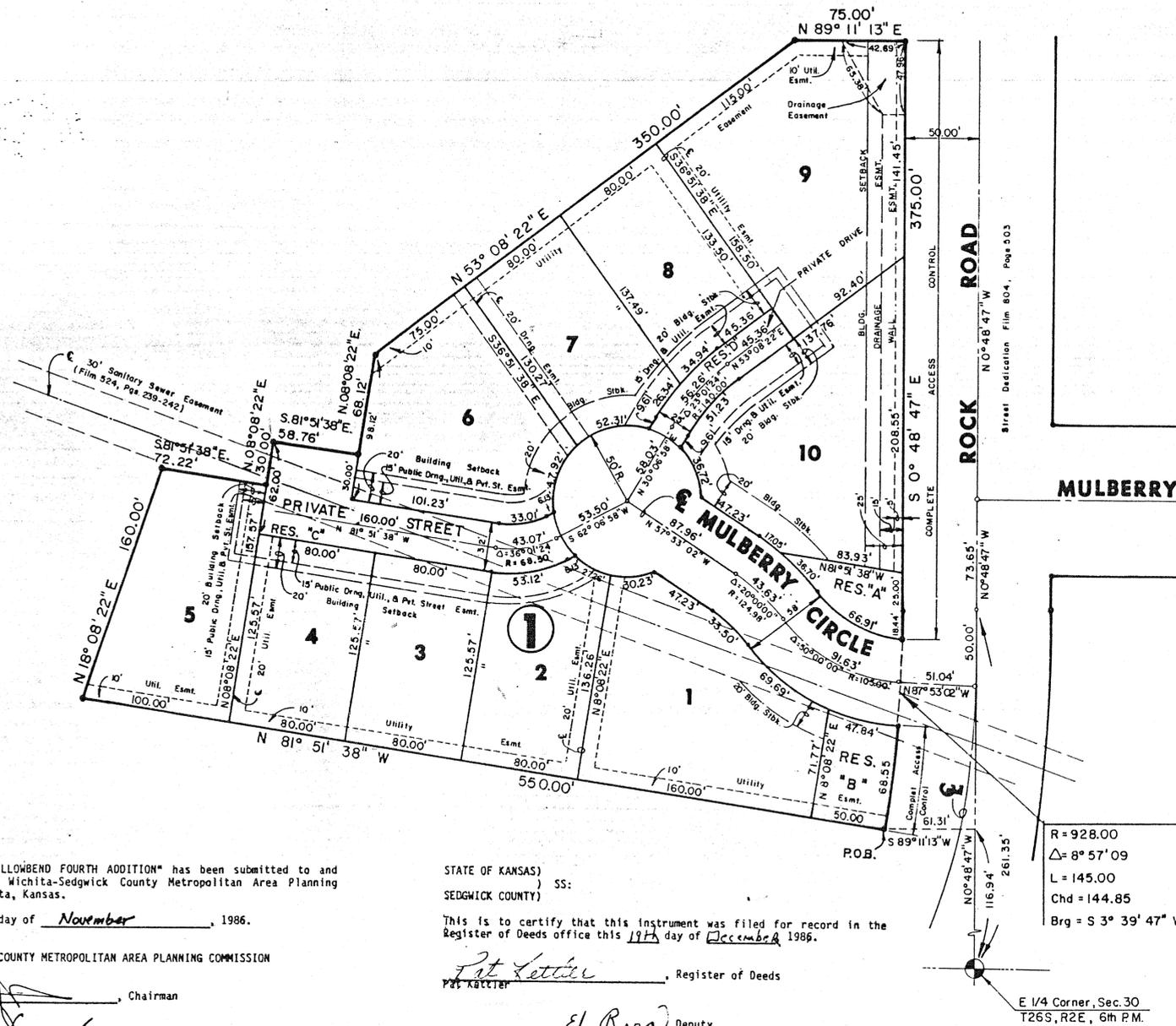
Entered on transfer record this 19th day of December, 1986.

Pat Lester, County Clerk
 for Don Wright, Notary

STATE OF KANSAS)
) ss:
 SEDGWICK COUNTY

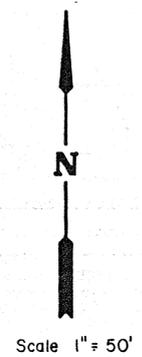
This is to certify that this instrument was filed for record in the Register of Deeds office this 19th day of December, 1986.

Pat Lester, Register of Deeds
Ed Resa, Deputy



R = 928.00
 Δ = 8° 57' 09"
 L = 145.00
 Chd = 144.85
 Brg = S 3° 39' 47" W

E 1/4 Corner, Sec. 30
 T26S, R2E, 6th P.M.



20.00

Restrictive Covenant F.854 P.343

C-1 6-34