

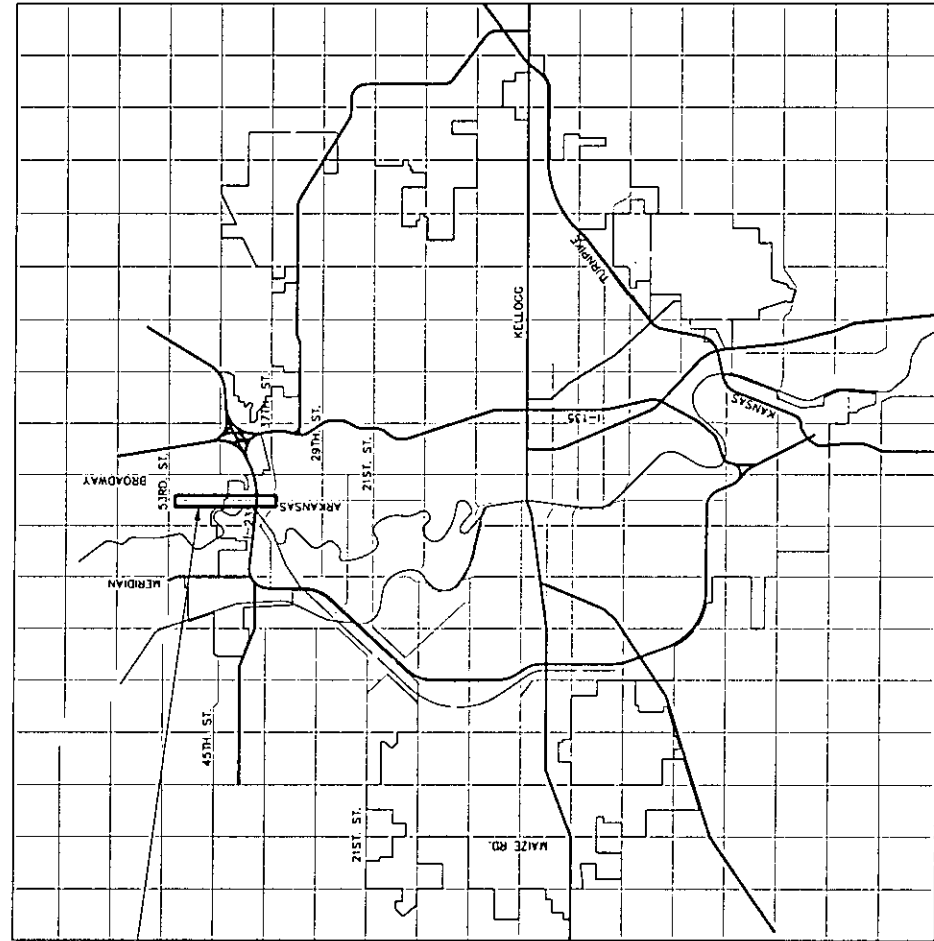
CONSTRUCTION PLANS FOR
WATER DISTRIBUTION SYSTEM IMPROVEMENTS
TO SERVE

ARKANSAS WATER LINE

THE CITY OF WICHITA
SEDGWICK COUNTY, KANSAS

MICHAEL E. LINDBERGH, P.E. - CITY ENGINEER

RECEIVED
DEC 12 1996



INDEX TO DRAWINGS

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INDEX CODE
CITY OF WICHITA PROJECT NO.

DECEMBER 1996

PLANS PREPARED BY
MID-KANSAS ENGINEERING CONSULTANTS INC.
WICHITA, KANSAS

GENERAL NOTES

- ALL ELEVATIONS SHOWN ARE CITY OF WICHITA DATUM.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY CONSTRUCTION AS FOLLOWS:
KANSAS ONE-CALL 887-2470
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:
CABLE WORKS 263-2261
KANSAS GAS & ELECTRIC 284-1141
KANSAS CITY WATER DEPARTMENT 288-4828
ARLCO GAS COMPANY 942-8300 or 283-8161
CITY OF WICHITA SEWER MAINTENANCE 733-0202
- ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR WATER MAIN INSTALLATIONS NO. 14533.
- THE WATER MAIN SHALL BE CONSTRUCTED ON THE ADJACENT SIDE OF THE PLANS. TREES AND SHRUBS IN PUBLIC RIGHT OF WAY WHICH ARE IN DIRECT CONTACT WITH PROPOSED NEW CONSTRUCTION SHALL BE PROTECTED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONTACT WITH PROPOSED NEW CONSTRUCTION. WHERE THE TRENCHING MACHINE WILL CAUSE DAMAGE TO TREES, ABOVE GROUND PROTECTIVE MEASURES SHALL BE EMPLOYED TO AVOID SUCH DAMAGE.
- OPENING AND CLOSING WATER VALVES SHALL BE DONE IN ACCORDANCE WITH THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.
- UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES SHALL BE PROTECTED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.

GENERAL NOTES

- THE CONTRACTOR SHALL OVE ALL PROPERTY OWNERS AND/OR TENANTS PRIOR TO THE START OF CONSTRUCTION. A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY AND TRUCK OPERATIONS. SUCH WORK SHALL BE REESTABLISHED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.
- PAVEMENT AND OTHER TRAVELWAYS DAMAGED BY THE CONTRACTOR'S OPERATIONS, INCLUDING TRAFFIC FOR MATERIAL REMOVAL AND REPLACEMENT, SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR PAVEMENT CONSTRUCTION ON EXISTING PAVED OR GRAVEL ROADS TO MAINTAIN THE ORIGINAL SURFACE AND DRAINAGE CHARACTERISTICS. THE CONTRACTOR SHALL COORDINATE INSPECTION OF THE ROADS TO BE DAMAGED AND OTHER APPURTENANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.
- ASPHALT PAVEMENT REPLACEMENT AND COMPACTION SHALL BE IN ACCORDANCE WITH DRAWING CLEAR NO. 103.B OF THE CITY OF WICHITA, KANSAS. IN ADDITION TO THE REPAIRED PAVEMENT THICKNESS NO. 14533, WITH THE ADDITION THAT REPAIRED PAVEMENT THICKNESS SHALL BE A MINIMUM THICKNESS OF SIX INCHES (6").
- CONTRACTOR SHALL CONTRIBUTE AND COORDINATE THEIR WORK WITH THE CITY OF WICHITA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.

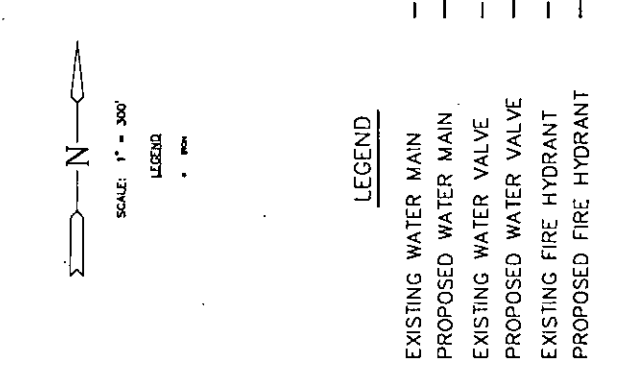
BENCHMARKS

- BM #1 COW Bench Mark, 34' E. of Ctr. Line of Arkansas & 2' S. of S. Line of 37th, St. N., 8' E. of E. Curb. EL=132.14 (EL Adjusted)
- BM #2 Brass Cap, W. Face Walk, E. Side of Arkansas on S. Side of Flood Control Dike, ± 100' N. of 37th, St. N. EL=135.745
- BM #3 Cut on Top of Curb, SW. Curb Return, @ SE. Corner of 39th, St. N. & Arkansas Ave. EL=134.735
- BM #4 Brass Cap, W. Face Walk, E. Side of Arkansas on N. End of Flood Control Structure. EL=135.50
- BM #5 Cut on Top of Curb, SW. Curb Return, @ SE. Corner of 41st, St. N. & Arkansas Ave. EL=134.747
- BM #6 Cut on Top of Curb, SW. Curb Return, @ SE. Corner of 43rd, St. N. & Arkansas Ave. EL=135.102
- BM #7 Cut on Top of Curb, SW. Curb Return, @ SE. Corner of 45th, St. N. & Arkansas Ave. EL=137.015
- BM #8 Rail Road Spike on W. Face of HLP @ NE. Corner of 46th, St. N. & Arkansas Ave. EL=138.025
- BM #9 Cut in Middle of E. Hubward on Arkansas Ave. ± 150' N. of 47th, St. N. EL=137.985
- BM #10 RR Spike in W. Face of HLP @ NE. Corner of 49th, St. N. & Arkansas Ave. EL=136.55

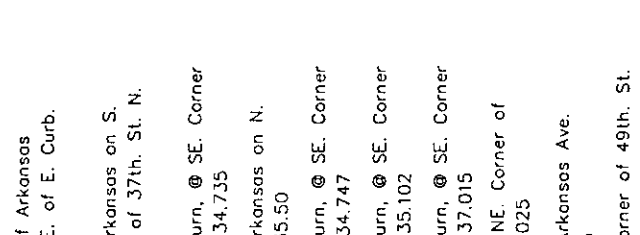
LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT

KEY MAP



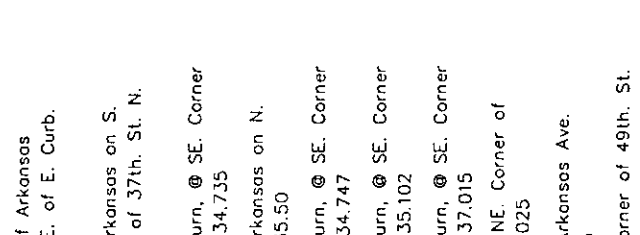
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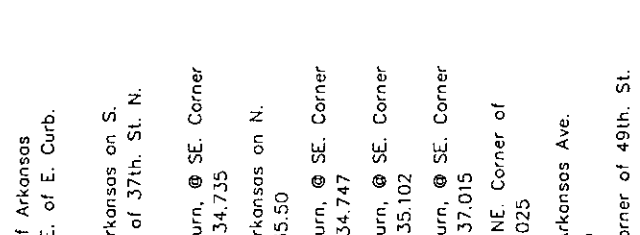
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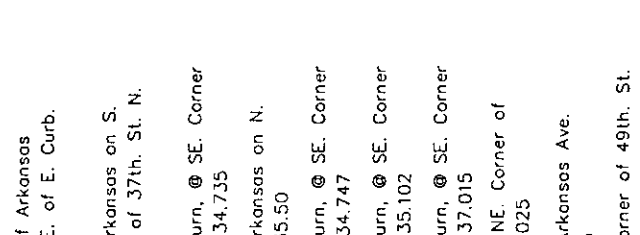
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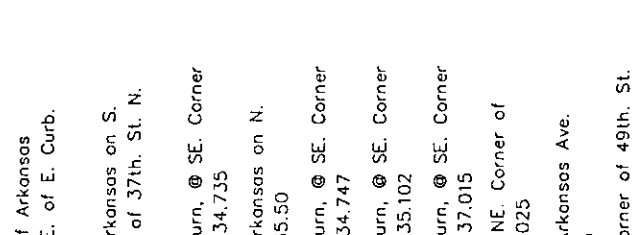
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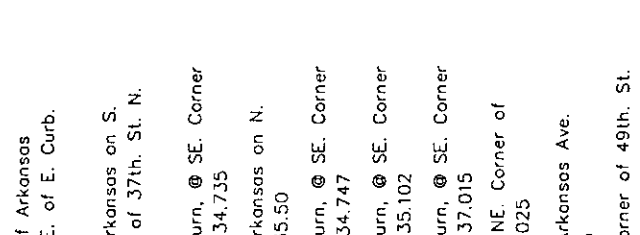
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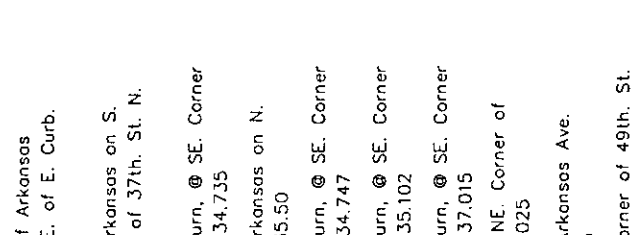
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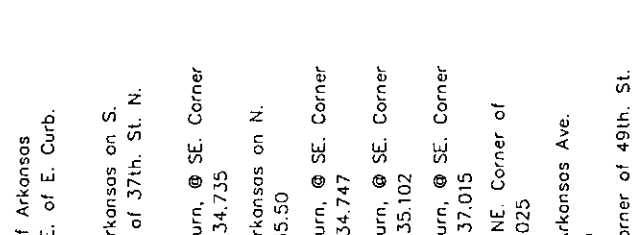
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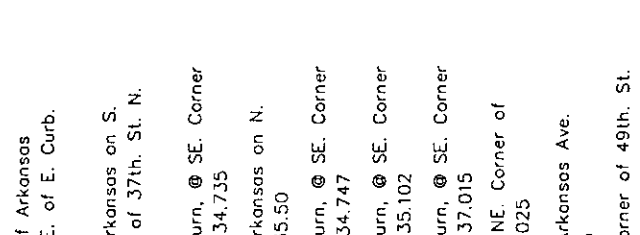
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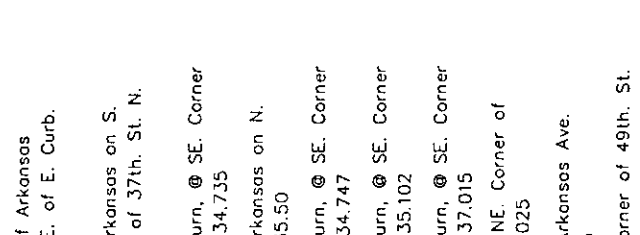
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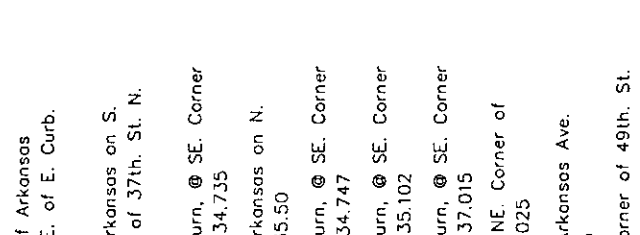
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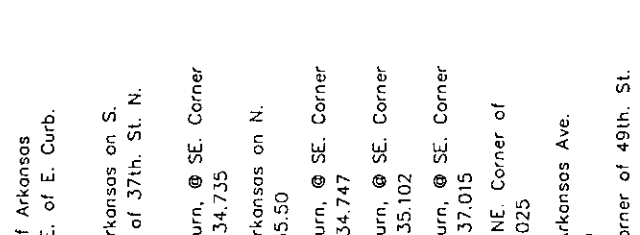
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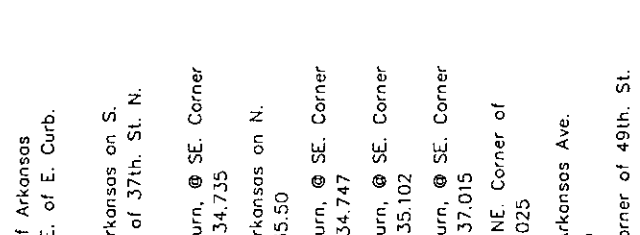
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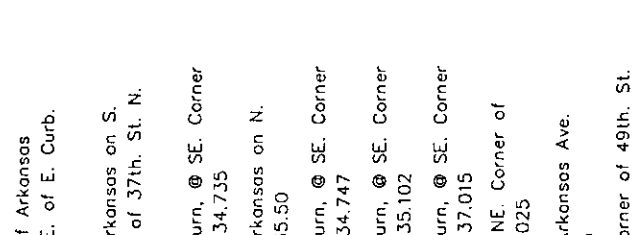
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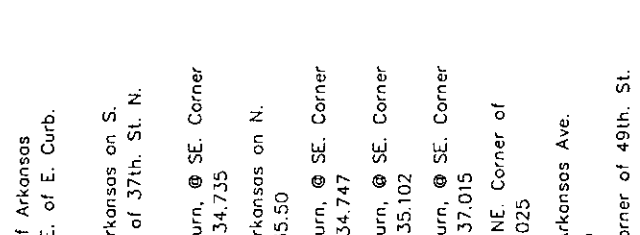
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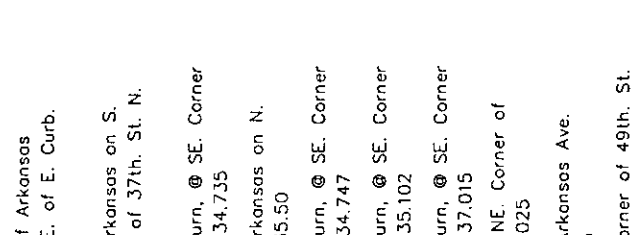
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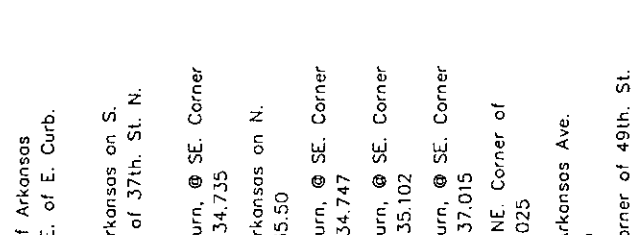
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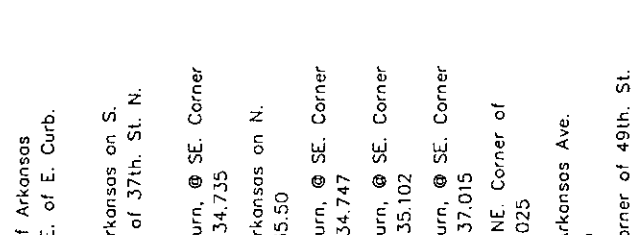
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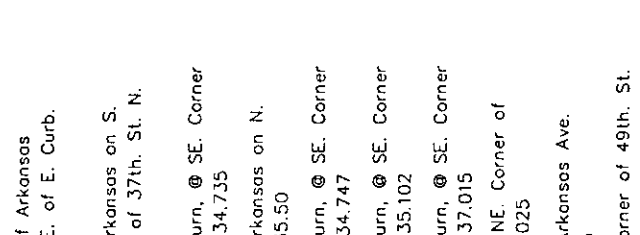
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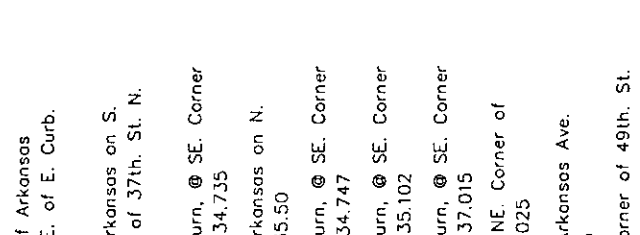
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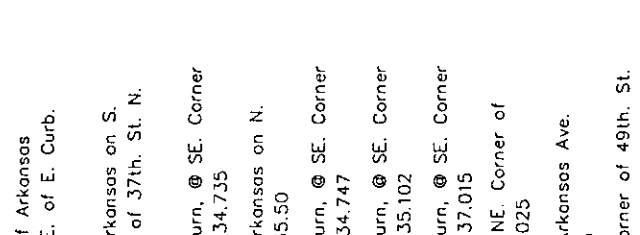
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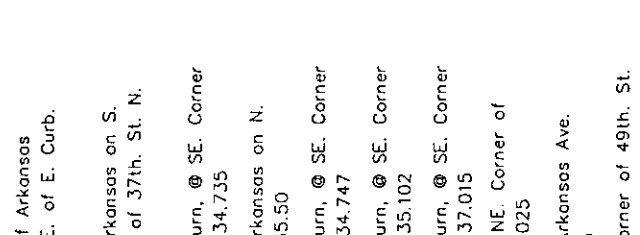
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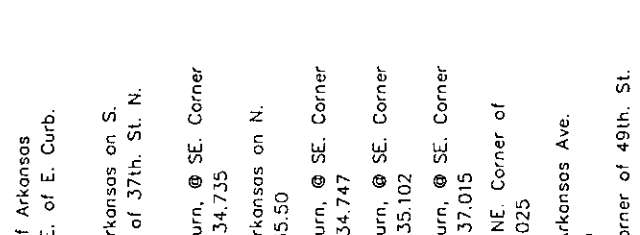
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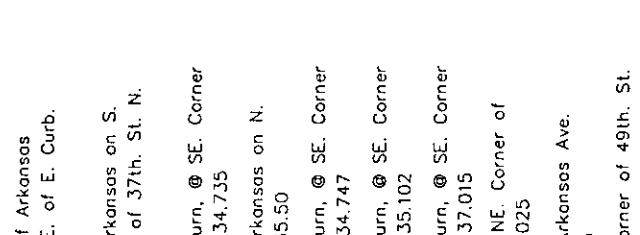
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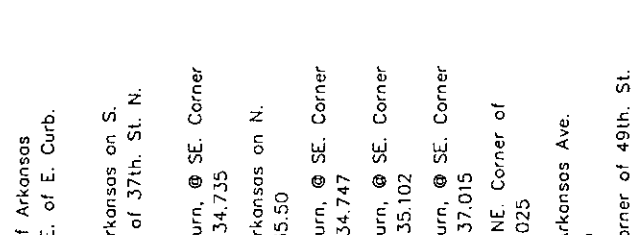
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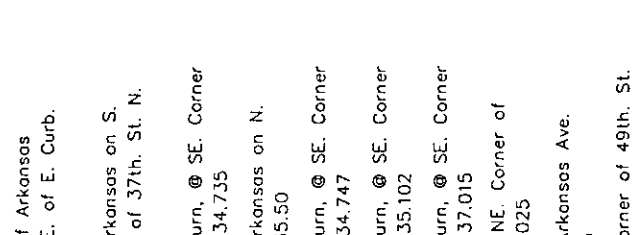
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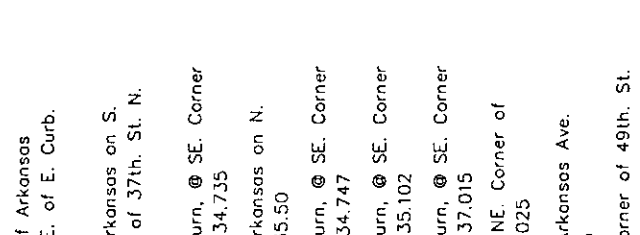
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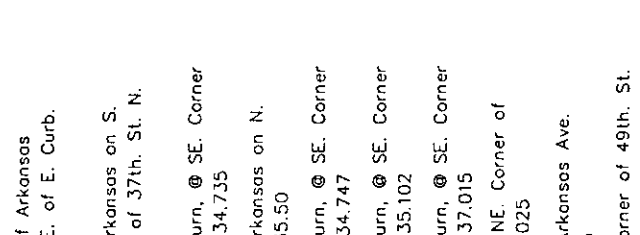
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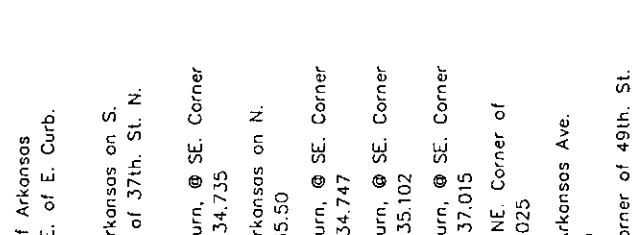
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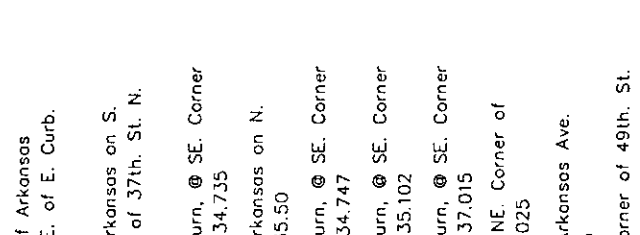
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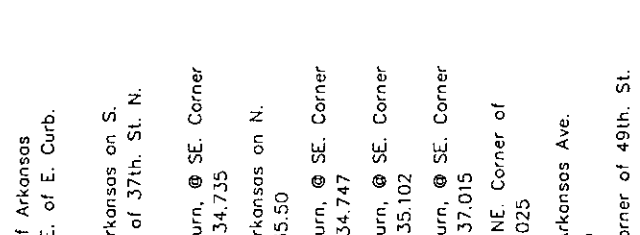
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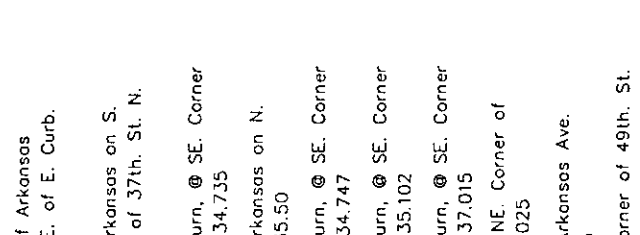
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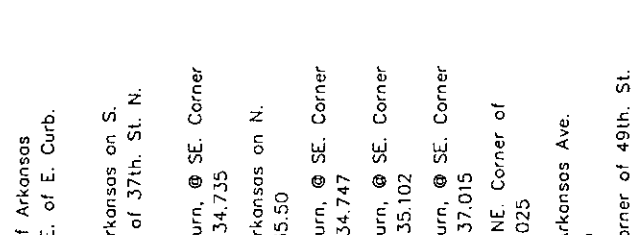
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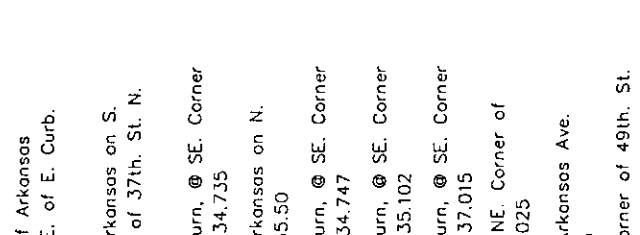
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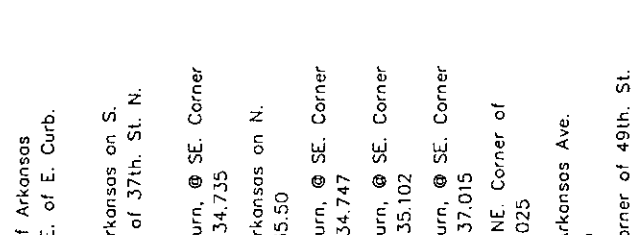
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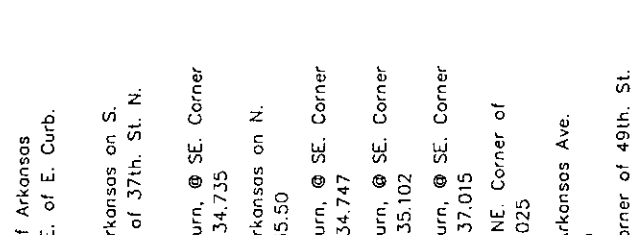
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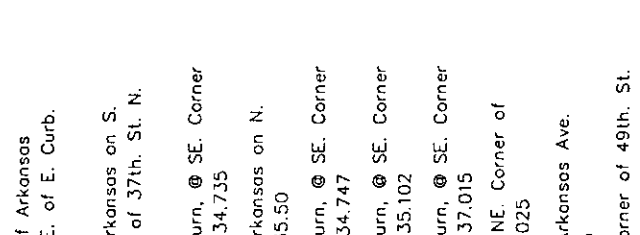
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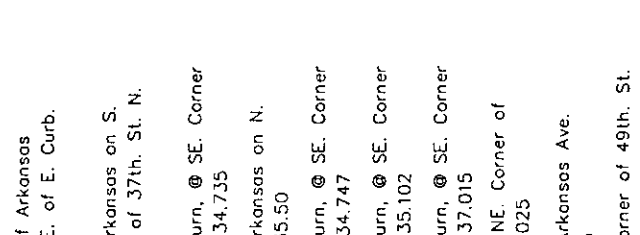
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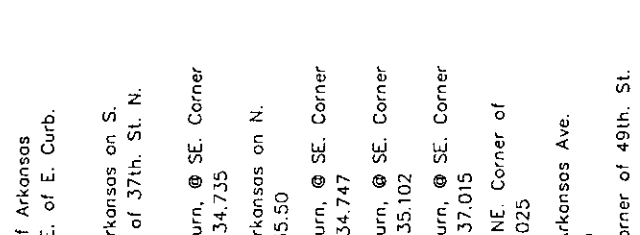
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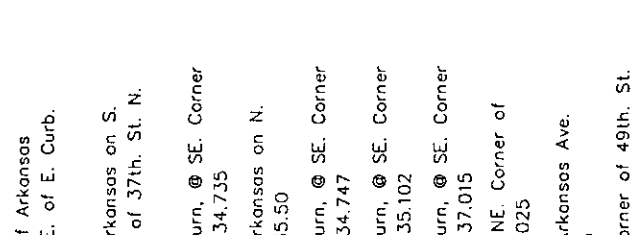
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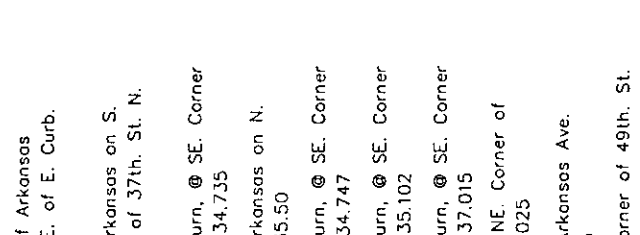
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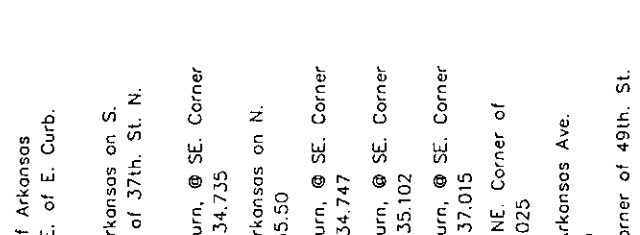
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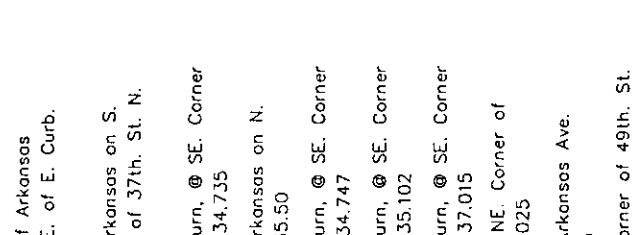
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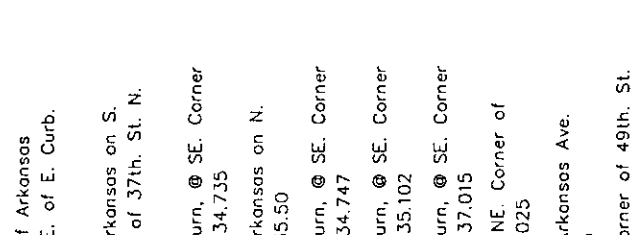
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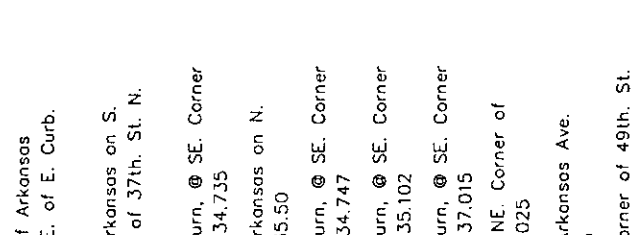
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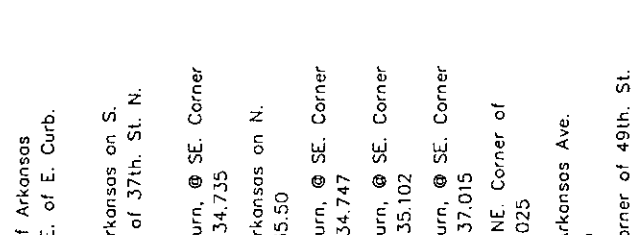
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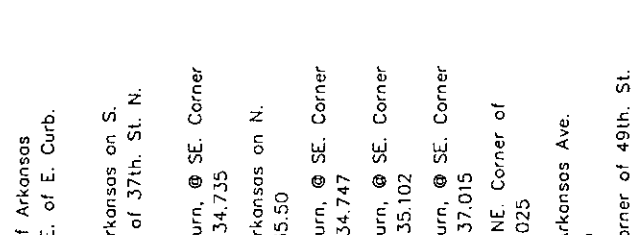
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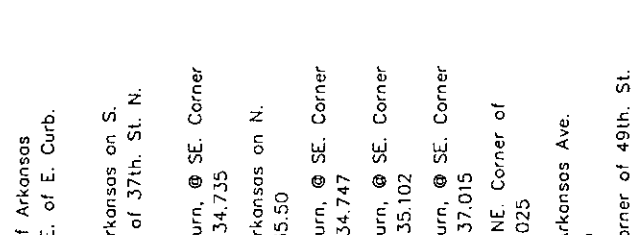
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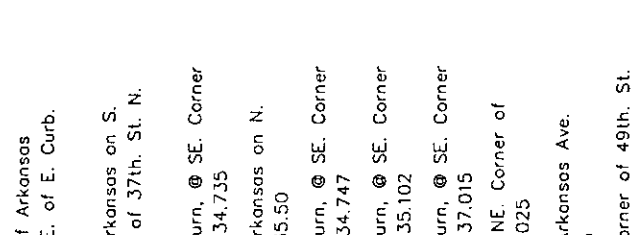
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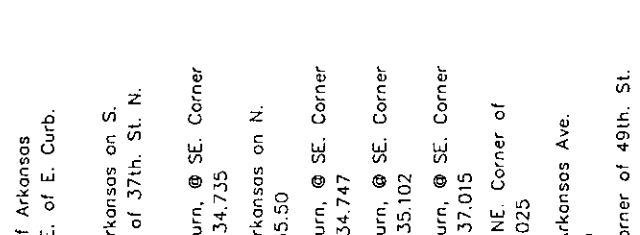
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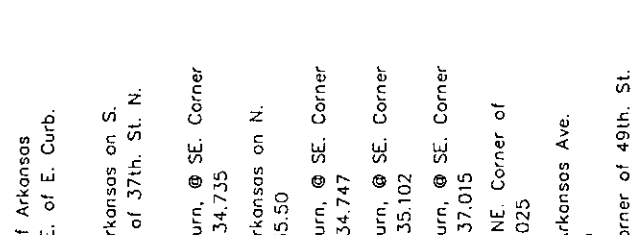
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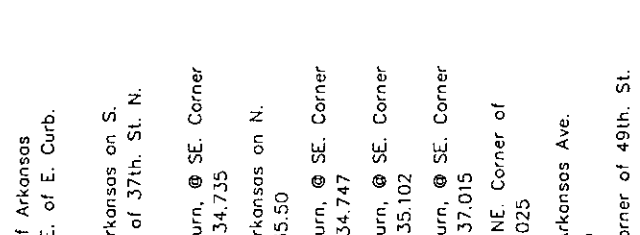
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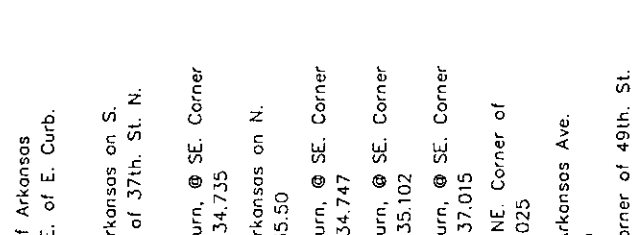
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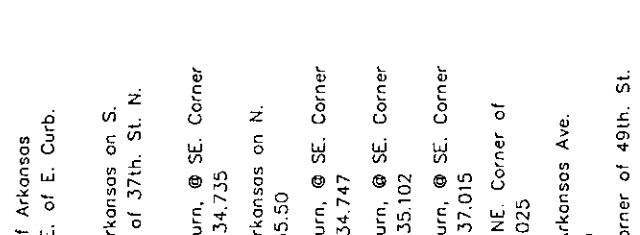
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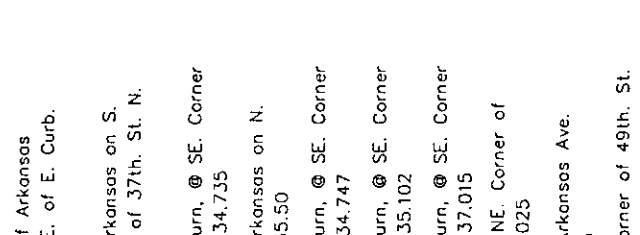
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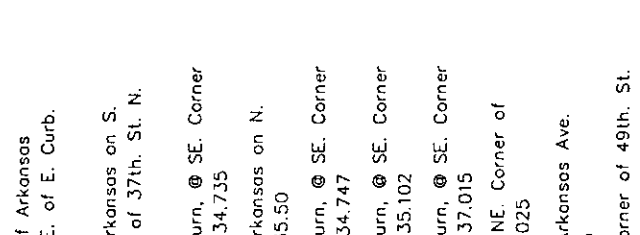
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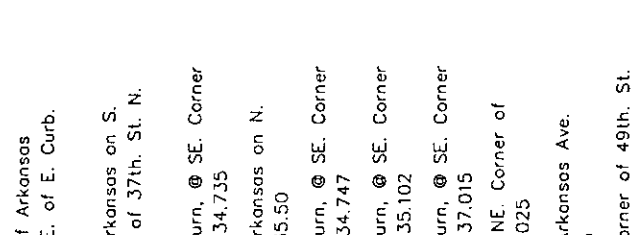
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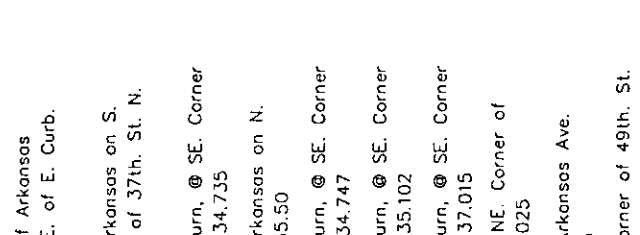
ARKANSAS WATER LINE



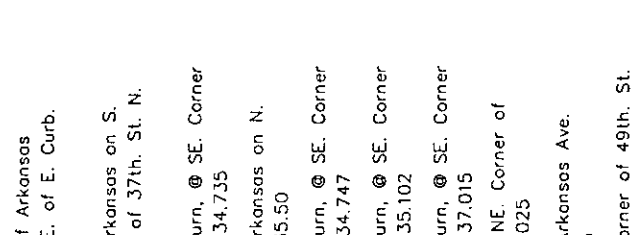
NOTE:

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KEY MAP



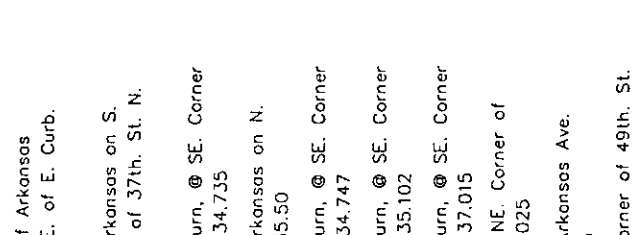
ARKANSAS WATER LINE



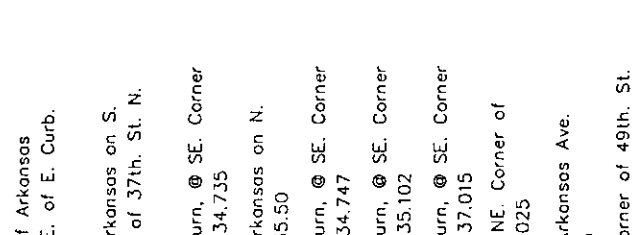
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KEY MAP



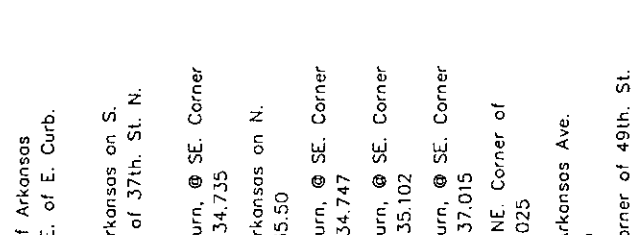
ARKANSAS WATER LINE



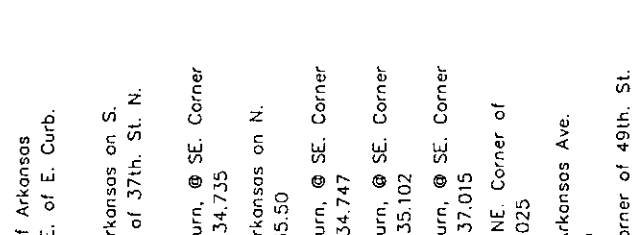
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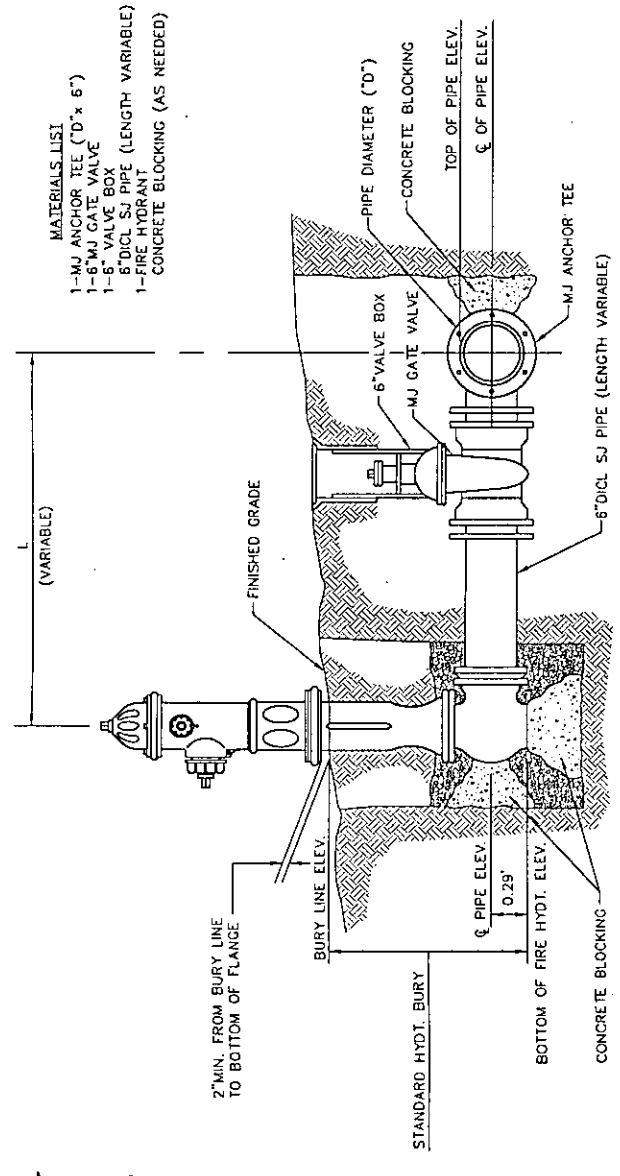
KEY MAP



ARKANSAS WATER LINE

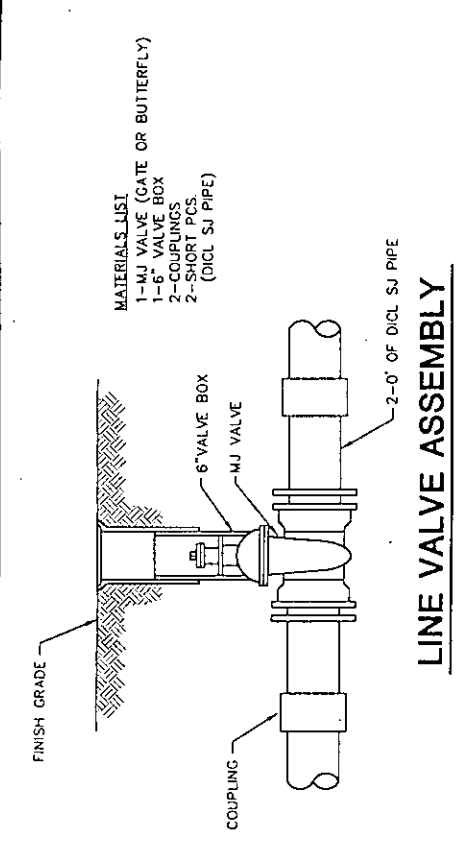
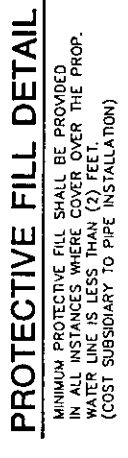


NOTE:

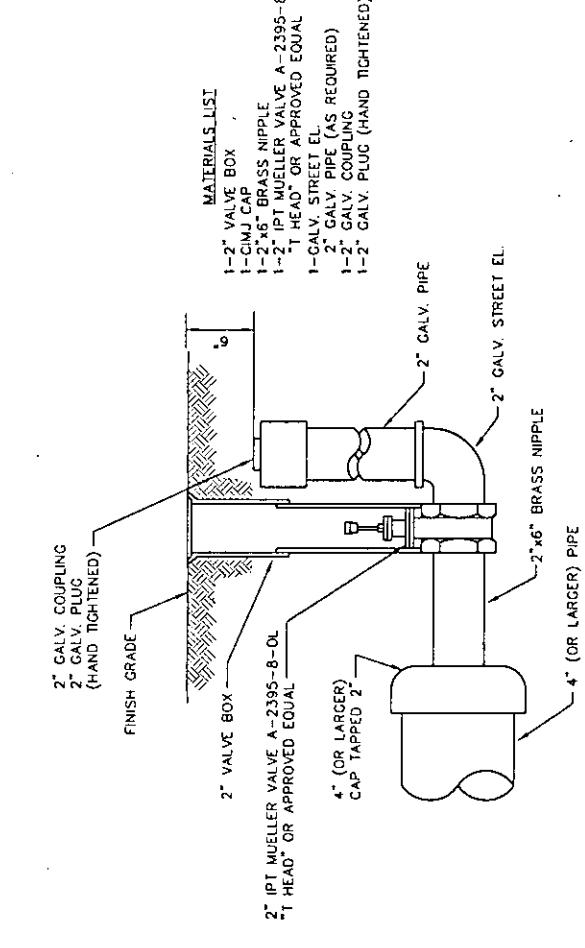


FIRE HYDRANT ASSEMBLY
 PER CITY OF WICHITA SPECIFICATIONS

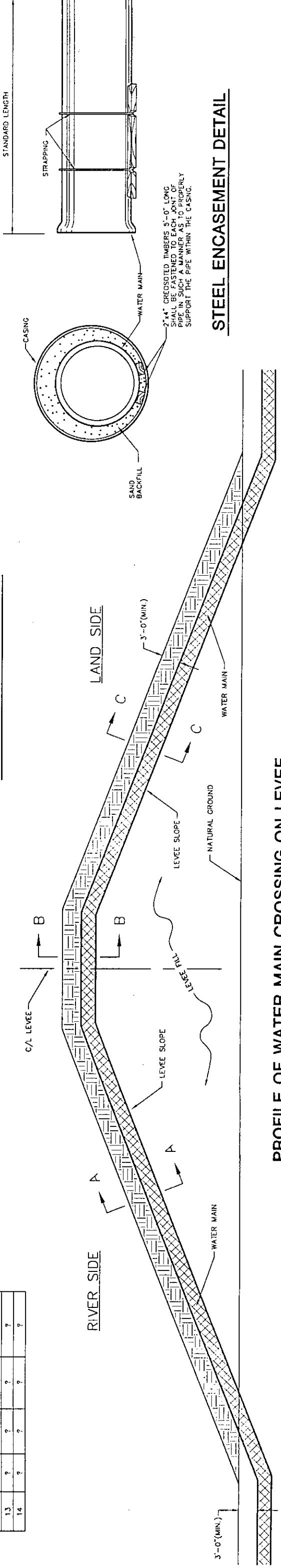
LINE NO.	STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED
2	0+52.5	134.70	129.37	6.0'
3	0+52.5	134.41	129.08	6.0'
4	0+52.5	134.12	128.79	5.5'
5	0+52.5	133.83	128.50	5.5'
6	0+43.0	134.70	129.37	5.5'
7	0+43.0	135.03	130.20	5.5'
8	?	?	?	?
9	0+14.02	?	?	?
10	0+53.0	?	?	?
11	0+43.0	?	?	?
13	?	?	?	?
14	?	?	?	?



LINE VALVE ASSEMBLY



2" BLOWOFF ASSEMBLY



ARKANSAS WATER LINE
 PROJECT NAME
WATER LINE DETAILS
 SHEET TITLE

ARKANSAS ENGINEERING CONSULTANTS, INC.
 411 N. WEBB ROAD
 WICHITA, K.S. 67206
 316-268-9000

DESIGNED BY: BFC
 CHECKED BY: BFC
 DATE: DECEMBER 1996
 JOB NO.: 95116
 SCALE: 3/4" = 1'

