

WATER SUPPLY LINE
TO SERVE
SEDGWICK COUNTY ZOO 2ND ADDITION

PROJ. NO. 448-88572

INDEX NO. 731588

INDEX NO. 630293

CITY OF WICHITA, KANSAS

M. E. LINDEBAK - CITY ENGINEER

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:

CADLEVISION 267-4270 OR 263-2061
KPL GAS SERVICE COMPANY 263-7511
KANSAS GAS & ELECTRIC 264-1141
ARMA GAS COMPANY 947-8350 OR 263-8161
CITY OF WICHITA WATER DEPT. 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. 145.53.

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. WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.

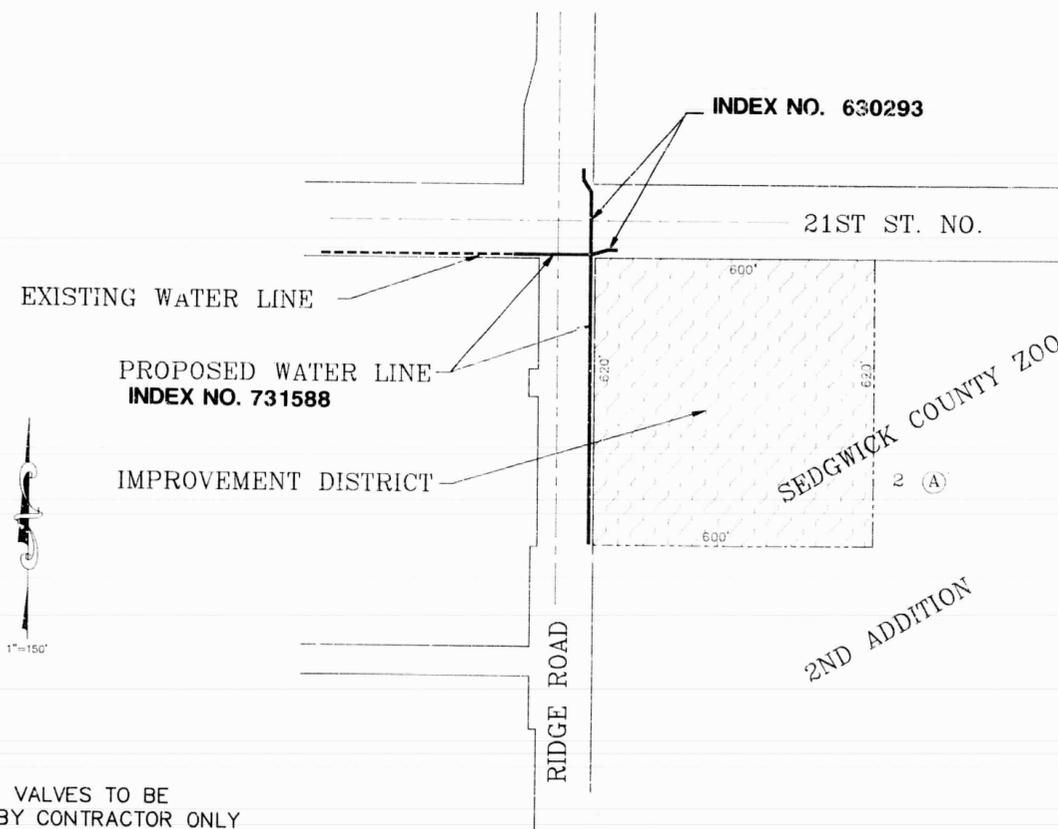
6. UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION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

9. CONTRACTOR TO MAINTAIN TRAFFIC USING BARRICADES AND FLAGPERSONS WHILE WORKING WITHIN STREET RIGHT-OF-WAY.

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



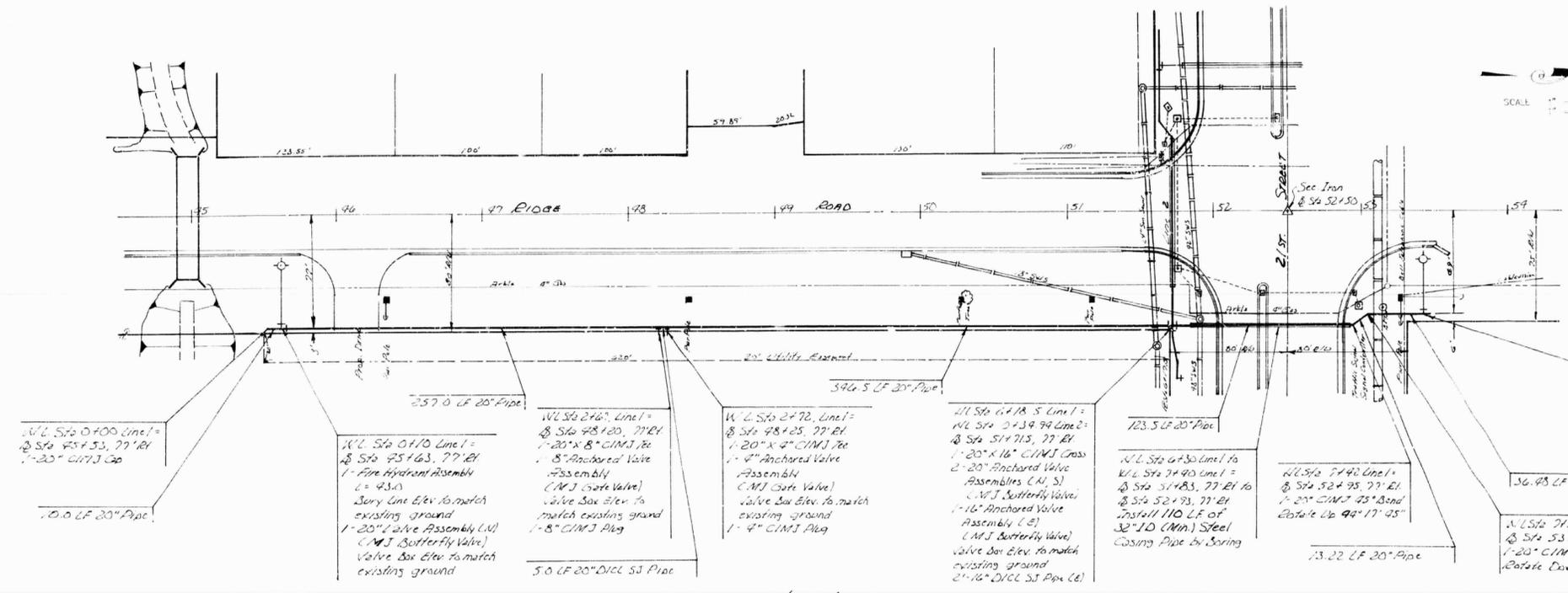
INDEX OF SHEETS

SHEET 1	-	TITLE SHEET
SHEET 2-3	-	PLAN/PROFILE
SHEET 4	-	WATER DETAILS

BENCHMARKS

1.	RIDGE ROAD AND 17TH ST. - CITY DISC 42' N. AND 38.5' E. OF 1/4 SEC. CORNER. ELEV. = 142.807
2.	M.R. SPIKE IN WEST SIDE POWER POLE B.L. STA 34+26.8, 74.3 RT. ELEV. = 148.52
3.	R.R. SPIKE IN WEST SIDE POWER POLE B.L. STA 41+10, 73.3' RT. ELEV. = 146.16
4.	RIDGE ROAD AND 21ST ST - CITY DISC 66.6' N AND 61.0' E. OF CENTER LINE BOTH ELEV. = 142.34

Note: Line 1 from Sta 6+18.51 to Sta 7+89 is to be constructed and inspected under State Code 302.93.



SCALE
1" = 40' HORIZ.
1" = 5' VERT.

NOTES

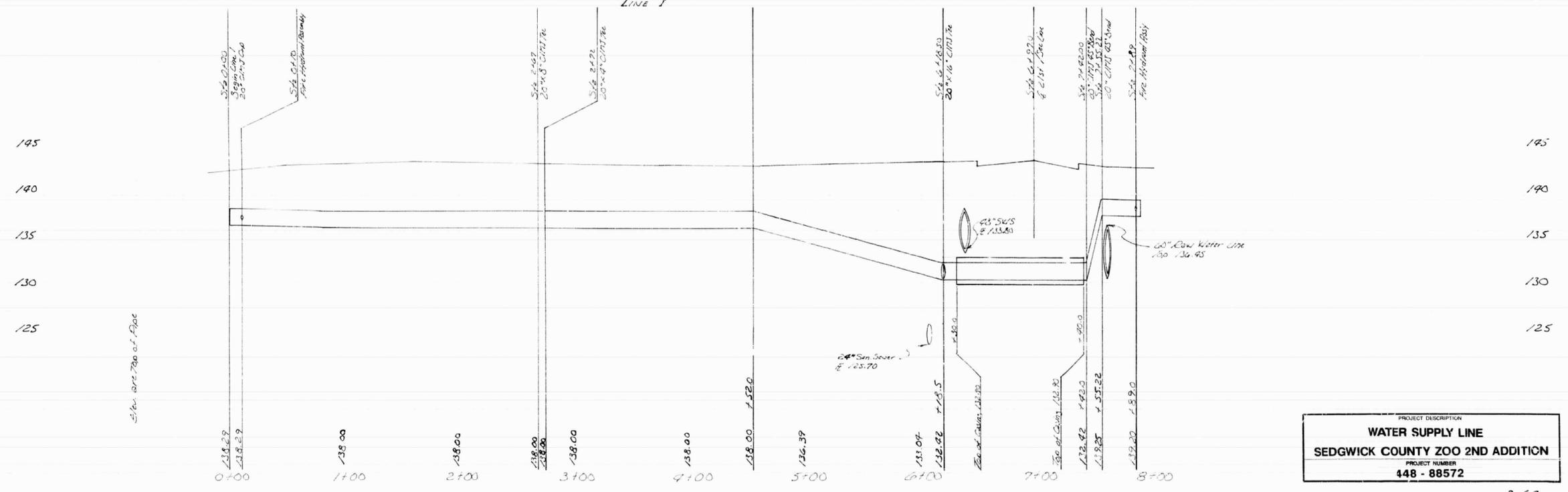
THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL UTILITIES PRIOR TO CONSTRUCTION. WATER LINE GRADES SHALL BE ADJUSTED TO CLEAR EXISTING STORM WATER SEWER AND 60" WATER LINE AS NECESSARY.

20" AND 16" WATER VALVES SHALL BE RESTRAINED WHERE REQUESTED USING ALL-THREAD RODS AND LUGS.

TRAFFIC SIGNAL POLES SHALL BE SUPPORTED USING GUY WIRES AS NECESSARY WHEN WORKING IN THE AREA.

SHORING IF THE BORE PIT MAY BE REQUIRED TO PREVENT THE SHIFTING OF THE TRAFFIC SIGNAL EQUIPMENT.

- W.L. Sta 0+00 Line 1 = 8" Sta 95+53, 77' EI, 1" 20" C/M/J Cap
- W.L. Sta 0+10 Line 1 = 8" Sta 95+63, 77' EI, 1" Fire Hydrant Assembly @ 43.0, Bury Line Elev. to match existing ground, 1" 20" Valve Assembly (M) (M/J Butterfly Valve), Valve Box Elev. to match existing ground
- W.L. Sta 2+40 Line 1 = 8" Sta 98+20, 77' EI, 1" 20" x 8" C/M/J Tee, 1" 8" Anchored Valve Assembly (M/J Gate Valve), Valve Box Elev. to match existing ground, 1" 8" C/M/J Plug, 5.0 LF 20" D/C/L 53 Pipe
- W.L. Sta 2+70 Line 1 = 8" Sta 98+25, 77' EI, 1" 20" x 4" C/M/J Tee, 1" 4" Anchored Valve Assembly (M/J Gate Valve), Valve Box Elev. to match existing ground, 1" 4" C/M/J Plug
- W.L. Sta 6+18.51 Line 1 = W.L. Sta 2+39.94 Line 2 = 8" Sta 51+71.5, 77' EI, 1" 20" x 16" C/M/J Cross, 2" 20" Anchored Valve Assembly (M, S) (M/J Butterfly Valve), 1" 16" Anchored Valve Assembly (S) (M/J Butterfly Valve), Valve Box Elev. to match existing ground, 2" 16" D/C/L 53 Pipe (L)
- W.L. Sta 6+30 Line 1 to W.L. Sta 7+40 Line 1 = 8" Sta 51+83, 77' EI to 8" Sta 52+73, 77' EI, 20' x 110 LF of 32" I.D. (Min.) Steel Casing Pipe by Spring
- W.L. Sta 7+40 Line 1 = 8" Sta 52+95, 77' EI, 1" 20" C/M/J 45" Bend, Rotate Up 94° 17' 45"
- W.L. Sta 7+89 Line 1 = 8" Sta 53+42, 1" Fire Hydrant Assembly @ 36' Valve Box and Bury Line Elev. to match existing ground, 5" 20" Pipe (M), 1" 20" C/M/J Cap Hydrant To be key blocked to allow for future extension End Line 1
- W.L. Sta 7+89.22 Line 1 = 8" Sta 53+05.54, 69' EI, 1" 20" C/M/J 45" Bend, Rotate Down 94° 17' 45"



PROJECT DESCRIPTION
WATER SUPPLY LINE
SEDGWICK COUNTY ZOO 2ND ADDITION
PROJECT NUMBER
448 - 88572

W.L. Sta 0+35.25, Line 2 =
 W.L. Sta 0+41.50, Line 1 =
 8" STA 51+71.50, 77' 21"

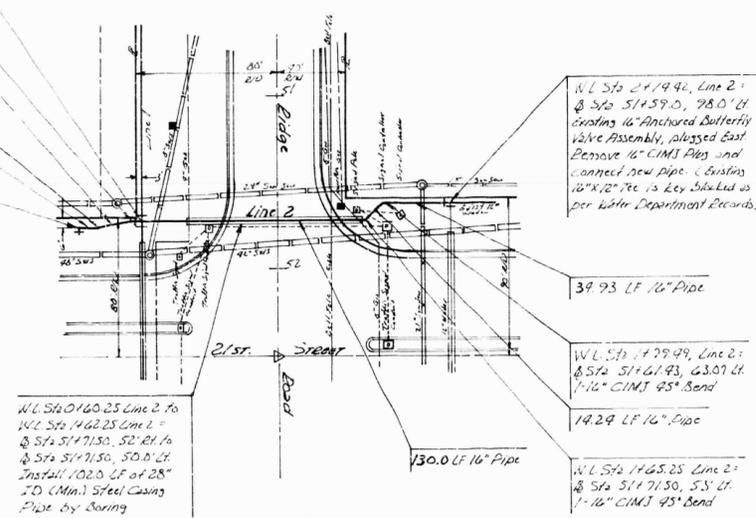
 W.L. Sta 0+28.19, Line 2 =
 8" Sta 51+71.50, 89' 06" 21"
 1-16" C/MJ 22 1/2" Bend
 Rotate Up 51' 57' 11"
 18.19 LF 16" Pipe

 W.L. Sta 0+10.0, Line 2 =
 7" Sta 51+76, 101' 69" 21"
 1-16" C/MJ 22 1/2" Bend
 Rotate Down 51' 57' 11"
 10 LF 16" Pipe

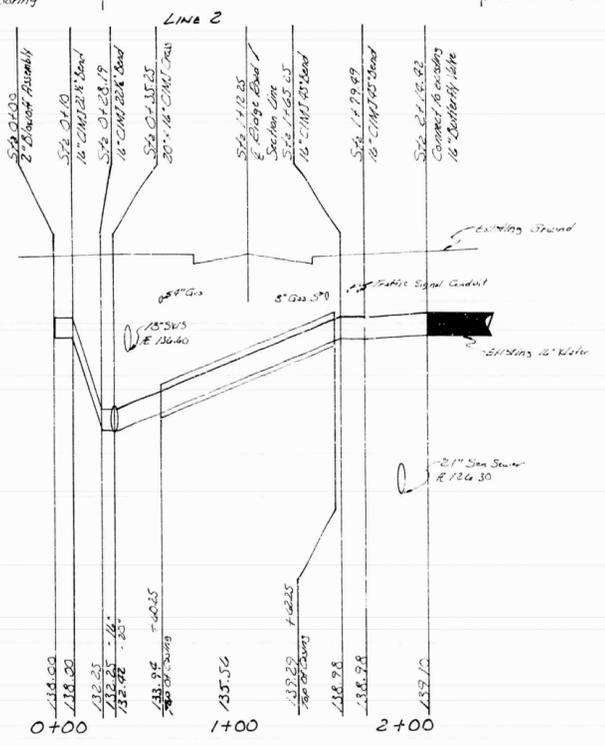
 W.L. Sta 0+00, Line 2 =
 8" Sta 51+76.0, 114' 07" 21"
 1-2" Sluiceway Assembly

Note: Line 2 from Sta 0+00 to Sta 0+35.25
 is to be constructed and inspected under
 Index Code 630293.

N
 Z
 Scale: 1" = 40' Horz.
 1" = 5' Vert.



145
 140
 135
 130



145
 140
 135
 130

PROJECT DESCRIPTION
WATER SUPPLY LINE
SEDGWICK COUNTY ZOO 2ND ADDITION
 PROJECT NUMBER
448 - 88572

AS OF 04/30/93

CITY OF WICHITA
DETAILED TRANSACTIONS BY PROJECT

04 FISC. L MONTH
1,266

PROJECT 470725 WDS 2ND ADDN NEW 4H
DIP SEC INDEX 1,266
TRANS DATE 04/13/93
DOCUMENT 000000
VENDOR 5: 5

REF NO 000000
VENDOR NAME
TOTAL INDEX CODE 731528

EXPENDITURE ENCUMBRANCE
134.67 3.60
138.27

TOTAL SECTION 05 138.27

TOTAL DIVISION 93 138.27

TOTAL DEPARTMENT 13 138.27

TOTAL PROJECT 470725 138.27

	QUANTITIES	ENGINEER'S CONST. ESTIMATE	LONGHORN, P.P. CONST. CO., INC.	WILCOX CONST. CO. INC.	UTILITY CONTRACTORS	NEWARK CONSTRUCTION	UTILITY CONTRACTORS
Water Supply Line to serve Sedgewick County Zoo 2nd Addition (east of Ridge, south of 21st Street North) - 448-88572 (731588)							
A portion of 20" Water Line crossing 21st Street at Ridge Road (21st Street North and Ridge Road) - 448-88572 (630293)							
BASE BID ITEMS FOR 88572 (731588)							
20" Pipe	614 lf	100.00	110.00	50.00	110.00	68.00	190.00
20" DI CL S J Pipe	5 lf	110.00	70.00	70.00	120.00	54.00	190.00
16" Pipe	1-0 lf	70.00	90.00	59.00	15.00	430.00	54.00
16" DI CL S J Pipe	2 lf	90.00	60.00	60.00	120.00	2,800.00	430.00
20" Valve Assembly	1 ea	3,000.00	3,000.00	3,100.00	2,500.00	2,800.00	2,800.00
20" Anc Valve Assembly	1 ea	3,200.00	3,000.00	3,300.00	3,000.00	2,400.00	2,400.00
8" Anc Valve Assembly	1 ea	650.00	600.00	600.00	1,000.00	600.00	600.00
4" Anc Valve Assembly	1 ea	500.00	250.00	250.00	500.00	400.00	400.00
Fire Hydrant Assembly	1 ea	3,000.00	3,000.00	3,000.00	2,500.00	2,600.00	2,600.00
Furnish & Install Steel Casing Pipe	102 lf	175.00	265.00	265.00	166.00	290.00	290.00
By Boring	1 LS	6,257.00	1,560.00	1,560.00	12,000.00	4,500.00	4,500.00
Site Clea & Restoration				\$105,130.00	\$114,000.00	\$96,662.00	
TOTAL BID ITEMS FOR 88572 (731588)		\$109,187.00					
BASE BID ITEMS FOR 8572 (630293)							
20" Pipe	179 lf	100.00	90.00	90.00	45.00	68.00	82.00
16" Pipe	29 lf	70.00	150.00	150.00	80.00	82.00	82.00
20" Anc Valve Assembly	1 ea	3,200.00	3,300.00	3,300.00	2,800.00	2,900.00	2,900.00
16" Anc Valve Assembly	1 ea	2,800.00	2,800.00	2,800.00	2,100.00	2,800.00	2,800.00
Fire Hydrant Assembly	1 ea	3,000.00	3,000.00	3,000.00	2,400.00	2,600.00	2,600.00
2" Blowoff Assembly	1 ea	500.00	500.00	500.00	300.00	600.00	600.00
Furnish & Install Steel Casing Pipe	110 lf	200.00	280.00	280.00	185.00	290.00	290.00
By Boring	1 LS	2,570.00	1,700.00	1,700.00	3,460.00	4,500.00	4,500.00
Site Clea & Restoration			\$62,060.00	\$62,060.00	\$41,725.00	\$59,850.00	
TOTAL BID ITEMS FOR 8572 (630293)			\$167,190.00				
TOTAL AGGREGATE FOR BOTH					\$156,025.00		\$156,025.00



To the City Council
Wichita, Kansas

August 10, 1993 (5)
448-88572 (630293) (544000)
CC Approval 08-10-93: Resol. 08-10-93
Traffic to be maintained through
construction using flagpersons and
barricades

PRELIMINARY ESTIMATE of the cost of constructing a portion of 20" Water
Line crossing 21st Street at Ridge Road (21st Street North and Ridge
Road).

All work done and all materials furnished to be in accordance with plans
and specifications on file in the office of the City Engineer.

20" Pipe	179 lf @	100.00	17,900.00
16" Pipe	29 lf @	70.00	2,030.00
20" Anc Valve Assembly	1 ea @	3,200.00	3,200.00
16" Anc Valve Assembly	1 ea @	2,800.00	2,800.00
Fire Hydrant Asmbly	1 ea @	3,000.00	3,000.00
2" Blowoff Asmbly	1 ea @	500.00	500.00
Furnish & Install Steel Casing Pipe by boring	110 lf @	200.00	22,000.00
Site Clrg & Restoration	1 LS @	2,570.00	2,570.00

			\$54,000.00
Engineering			8,100.00
Publication			200.00
Contingency			2,700.00

Total Estimated Cost -			\$65,000.00

CITY OF WICHITA)
STATE OF KANSAS) SS

I do solemnly swear that the above amount is correct, reasonable and just.

Mike Lindebak, City Engineer

Sworn to and subscribed before me this _____ day of _____, 1993.

Deputy City Clerk

the City Council
Wichita, Kansas

August 10, 1993 (5)
448-88572 (731588) (470235)
CC Approval 02-23-93: Resol. 02-23-93
Traffic to be maintained through
construction using flagpersons and
barricades

PRELIMINARY ESTIMATE of the cost of constructing Water Supply Line to
serve Sedgwick County Zoo 2nd Addition (east of Ridge, south of 21st
Street North).

All work done and all materials furnished to be in accordance with plans
and specifications on file in the office of the City Engineer.

20" Pipe	614 lf @	100.00	61,400.00
20" DI CL SJ Pipe	5 lf @	110.00	550.00
16" Pipe	180 lf @	70.00	12,600.00
16" DI CL SJ Pipe	2 lf @	90.00	180.00
20" Valve Assembly	1 ea @	3,000.00	3,000.00
20" Anc Valve Assembly	1 ea @	3,200.00	3,200.00
8" Anc Valve Assembly	1 ea @	650.00	650.00
4" Anc Valve Assembly	1 ea @	500.00	500.00
Fire Hydrant Asmblly	1 ea @	3,000.00	3,000.00
Furnish & Install Steel Casing Pipe by boring	102 lf @	175.00	17,850.00
Site Clog & Restoration	1 LS @	6,257.00	6,257.00

			\$109,187.00
Engineering			15,906.38
Administration			2,549.02
Publication			200.00
Contingency			2,157.60

Total Estimated Cost -			\$130,000.00

CITY OF WICHITA)
STATE OF KANSAS) SS

I do solemnly swear that the above amount is correct, reasonable and just.

Mike Lindebak, City Engineer

Sworn to and subscribed before me this _____ day of _____, 1993.

Deputy City Clerk

THE CITY OF WICHITA

OFFICE OF ENGINEERING

DATE SEPTEMBER 14, 1993

TO DAVID WARREN, DIRECTOR OF WATER AND SEWER

FROM DEANNA PRENATT, ADMINISTRATIVE AIDE II

SUBJECT WORK ORDER

Attached is a copy of the work order issued for the following project.

<u>PROJECT NAME:</u>	Water Supply Line to serve Sedgwick County Zoo 2nd Addition
<u>PROJECT LOCATION:</u>	(east of Ridge, south of 21st Street North)
<u>PROJECT NUMBER:</u>	448-88572
<u>INDEX CODE:</u>	731588
<u>MAIN SIZES:</u>	16" & 20"
<u>PRELIMINARY ESTIMATE</u>	\$130,000.00
<u>BENEFIT DIST. PERCENT:</u>	40% S.A.
<u>WATER & SEWER DEPT. PERCENT:</u>	60% W.U.F.
<u>OTHER PERCENT:</u> (Storm Water Utility)	0%
<u>CITY COUNCIL APPROVAL:</u>	930223

/dlp

Attachment

cc: Buddy Smith, P.E., System Planning & Development Engineer

THE CITY OF WICHITA

OFFICE OF ENGINEERING

DATE SEPTEMBER 14, 1993

TO DAVID WARREN, DIRECTOR OF WATER AND SEWER

FROM DEANNA PRENATT, ADMINISTRATIVE AIDE II

SUBJECT WORK ORDER

Attached is a copy of the work order issued for the following project.

<u>PROJECT NAME:</u>	A portion of 20" Water Line crossing 21st Street at Ridge Road
<u>PROJECT LOCATION:</u>	(21st Street North and Ridge Road)
<u>PROJECT NUMBER:</u>	448-852.2
<u>INDEX CODE:</u>	630293
<u>MAIN SIZES:</u>	16" & 20"
<u>PRELIMINARY ESTIMATE:</u>	\$65,000.00
<u>BENEFIT DIST. PERCENT:</u>	0%
<u>WATER & SEWER DEPT. PERCENT:</u>	100% W.U.F.
<u>OTHER PERCENT:</u> (Storm Water Utility)	0%
<u>CITY COUNCIL APPROVAL:</u>	930810

/dlp

Attachment

cc: Buddy Smith, P.E., System Planning & Development Engineer

NOTICE TO CONTRACTORS

Notice is hereby given that sealed proposals for constructing Water Supply Line to serve Sedgwick County Zoo 2nd Addition AND 20" Water Line crossing 21st Street at Ridge Road will be received at the Office of the Purchasing Manager, City Hall, 455 North Main, Wichita, Kansas until 10:00 o'clock A. M. on the 20th day of August, 1993, at which time the bids will be opened publicly and read aloud and tabulated by the Board of Bids and Contracts for consideration by the City Council. Bids received after said time will be returned unopened.

NOTE: BIDDER SHALL AFFIX THE FOLLOWING PROJECT NUMBER TO THE BID ENVELOPE 448-88572.

ATTENTION ALL BIDDERS: BIDDERS ARE ADVISED TO CONTACT THE OFFICE OF THE CITY ENGINEER (316-268-4501) SHOULD THEY HAVE ANY QUESTIONS OR CONCERNS ABOUT THE PLANS, SPECIAL OR SUPPLEMENTAL PROVISIONS, MINORITY STATUS, OR THE PROPER PREPARATION OF THE BID DOCUMENT.

THE BID FORM SHALL BE PREPARED USING UNIT PRICES PER BID ITEM, UNLESS OTHERWISE NOTED.

NOTE TO BIDDERS: SPECIAL PROVISION NUMBER 45 FOR NPDES PERMIT HAS BEEN ADDED.

NOTE TO BIDDERS: THE SPECIAL PROVISION FOR THE BID FORM HAS BEEN REVISED AND PLACED AT THE END OF THE SPECIAL PROVISIONS. PLEASE NOTE THE REVISED BID PROPOSAL FORMAT.

SPECIAL PROVISION TO CITY OF WICHITA, KANSAS
STANDARD SPECIFICATIONS FOR INSTALLATION OF WATER DISTRIBUTION SYSTEM/
WATER SUPPLY LINE

Water Supply Line to serve Sedgwick County Zoo 2nd Addition
(east of Ridge, south of 21st Street North)
448-88572 (731588)

AND

A portion of 20th Water Line crossing 21st Street at Ridge Road
(21st Street North and Ridge Road)
448-88572 (630293)

The following Special Provisions shall be applicable to this project:

1. Start Date. The work order on this project will be issued twenty (20) calendar days after the date on which the contract for this project has been awarded to the successful bidder, unless requested earlier by the Contractor as approved by the Construction Engineer. The work order shall be issued as indicated, however, the Contractor may not start work on the project until Contracts and Bonds required for the project have been submitted to the City Engineer's office. Late return of Contracts and Bonds shall in no way waive the project working days. The Contractor will ascertain that an adequate supply of material for the construction of this project is available prior to submitting his bid. Working days will be charged as provided for in the Standard Specifications, once the work order is issued. The non-availability of material shall not prevent working days from being assessed.
2. Working Days/Completion Date. The work on this project shall be completed within forty (40) working days from date of beginning work and in accordance with the plans and Standard Specifications.
3. Late Penalty. The time of completion being an essential part of this contract, the Contractor will reimburse the City for the subsequent expense of supervision and inspection at the rate of \$200 per day or 1/30 of 1 percent (1%) of the total contract amount per day, whichever is greater, for each additional day necessary to complete the work in the event the work being performed under this contract is not completed within the specified time. In areas where this Special Provision conflicts with other parts of the proposal, this Special Provision shall govern.
4. City Holiday. Contractors will not be permitted to work on City holidays when such work requires inspection, construction staking, or the presence of the Construction Engineer for the City or his subordinates. Exceptions to this requirement will only be as authorized by the City Engineer.
5. Maintenance Bond. Contractor will be required to furnish to the City of Wichita a Maintenance Bond for the amount of the contract to guarantee that the materials furnished and used, and the workmanship employed in the construction of the work included in the contract conforms to specifications and is of such character and quality to insure the work to be free of latent defects and that the work will be in continuous good order and in a condition satisfactory to the City Council for a period of two (2) years from the date of the final payment to the Contractor for the work included in the contract. Where this special provision conflicts with the Maintenance Bond requirements contained in Standard Specifications, this special provision shall govern.

6. Damage to Private Property. Damage to private property that is caused by the Contractor, shall be repaired by the Contractor at his expense and not as an expense to the project. Included shall be existing facilities that are above as well as those below ground, such as water service lines, gas service lines, etc.

7. Pipe Certification. All pipe furnished on this project shall be certified by the manufacturer, in writing. The certification shall certify that the pipe meets or exceeds the specified project material specifications for the type of pipe furnished. Such certification shall be prepared by the pipe manufacturer and signed by an authorized official of the company. The company title of the signer must be clearly shown immediately below the signature. The Contractor shall be responsible for obtaining necessary certifications and arranging for their delivery to the Construction Engineer. Material certification must be delivered to the Construction Engineer before payment will be made to the Contractor for the materials or the installation of such materials. Pipe material certifications shall identify name of Contractor, name of material manufacturer, project title, project number shipping destination, shipment identification markings, type of material, and quantity of material. All material furnished under certification shall be tagged, stenciled, stamped, or otherwise marked with a heat number, lot number, order number, or other appropriate identification which can be readily recognized and checked against such identification markings shown on the certification. The City reserves the right to sample and test any material even though such material may be covered by a certification.

8. Maintenance of Work Areas. The Contractor shall be responsible for maintenance of all work areas, including all signs and barricades during performance of the work.

The Contractor shall be available 24 hours per day to respond to calls or notification from the City regarding maintenance of signs, barricades, work site equipment, or other work site conditions. The Contractor shall provide the City with the telephone number(s) where the City can contact the Contractor at any time. If required or approved, the Contractor will equip one or more personnel with pagers which will allow the City to directly contact them. Upon receiving notification of the need to perform any type of maintenance to any work site, the Contractor shall immediately respond and make such temporary repairs or reset signs and barricades as required to return the work site to a safe and proper operating condition.

Often the City is called about hazardous work site conditions or barricades knocked down. It is the City's obligation and policy to respond to calls as soon as possible without regard to agency responsibility. If it can be easily determined which Contractor has responsibility then that Contractor will be notified. However, the City reserves the right to respond to any such calls to remedy a hazardous condition. The Contractor shall reimburse the City for the costs of time, equipment, and materials for response to any such call connected with the Contractor's work.

9. Traffic Control Signing. All construction traffic control signing or delineation for this project shall conform to the applicable requirements of the latest revision of the Manual on Uniform Traffic Control Devices developed by the National Advisory Committee on Traffic Control Devices and in particular to Part IV of the Manual. The Contractor will be required to develop

plans for detour signing and for construction traffic control signing and delineation for the project. Construction traffic control signing and delineation plans and detour signing plans shall be prepared as scaled drawings using the same scale as the project construction plans. Such plans shall be developed in consultation with the City's Construction Engineer and the City's Traffic Engineer, or their authorized representatives, in conformance with the Contractor's proposed construction sequence and schedule. Such plans shall be developed prior to any work proceeding on the project which would create a hazard to vehicular traffic. Contractor will be charged liquidated damages for failure to maintain signing and delineation in compliance with the plans developed for the project. Such liquidated damages shall be as specified for the completion of work on the project and will be charged for each calendar day during which the signing and delineation is not maintained in compliance with the developed plans for a period of time in excess of two hours in any one calendar day. Costs for installing, maintaining, and removing traffic control signing and delineation shall be subsidiary to other bid items.

10. Appearance and Conduct. All of the work done on this project will be done in all view of the general public. Citizens' impressions of the contractor's employees, work procedures and finished product will reflect both on the Contractor and the City of Wichita. For this reason, it is important for the Contractor's employees to present a pleasing appearance and conduct themselves in a proper manner. Any failure to comply with reasonable requirements regarding appearance and conduct may result in the City shutting the job down until the situation is rectified, or dismissal of any Contractor's employee that fails to comply with these requirements.

Acceptable clothing will be jeans or work slacks, T-shirt or standard type shirt-blouse and leather or similar type work shoes. Tank tops, going shirtless, wearing an unbuttoned shirt and shorts will not be allowed.

The Contractor shall inform his employees to respect private property and to not lounge on or litter private property.

11. Site Restoration. When construction is adjacent to developed property where yards are grassed and landscaped, such grassed and landscaped areas disturbed by construction shall be restored. Site restoration shall be done in accordance with the requirements identified in the City Manager's Administrative Regulation AR-78, which is on file at the City Engineer's office.
12. Concrete Replacement. On water line projects which require the removal and replacement of concrete facilities such as concrete driveway, sidewalk, curb and gutter, etc., such facilities shall be replaced using a concrete mix approved by the Construction Engineer. Unless otherwise directed, the Contractor shall use 6.6 Sack Concrete for construction of sidewalk and wheelchair ramps, and use 733 lb. concrete for driveway, curb and gutter, and concrete pavement. The 733 lb. concrete shall be used in all instances where high early strength is required. All concrete shall meet the City of Wichita Specifications for Concrete, and be placed using approved methods. The unit price bid for the concrete replacement bid item shall be considered full compensation for construction of the bid item, regardless of the type of concrete used for construction of the bid item.
13. Items Incidental to Project. Sand encasement of water transmission pipe in place, sand for encasement of backfill, and compaction of sand encasement or backfill material, shall be considered incidental to project and will not be paid for separately.

14. Section 22 Revisions. Section 22 on page 16 of Standard Specifications for Installation of Water Pipe shall be considered as deleted. Contractor will not be required to reimburse the City overtime costs of City employees involved in the project.
15. Wichita Water Department. All references to Wichita Water Department, director or department, shall be construed to indicate the City Engineer, the Assistant City Engineer, or their authorized representative, as is appropriate in the language where such terms are used.
16. Concrete Thrust Blocks. The concrete to be used for thrust blocking of water lines and fire hydrants shall be as specified for concrete paving in the City of Wichita's Standard Specifications for Concrete Paving. The standard 6.6 sack mix shall be used on projects which may be allowed to cure; however, on projects which must be placed in service quickly, 733 lbs of cement per cubic yard, having high early strength, shall be used. The concrete mix to be used shall be as directed or approved by the Construction Engineer. Where 6.6 sack mix may be used, at the option of the Contractor, 733 sack mix may be used to speed thrust block curing time, however, this shall not be an additional expense to the project. Concrete thrust blocking shall be considered subsidiary to the project and not bid or paid for separately. Thrust blocking shall conform to Standard Engineering Procedure No. 103.5 included in Water Main Standard Specification No. 14533. Surface area of thrust block bearing on undisturbed earth to counteract thrust shall be equal in square feet to thrust shown in the table expressed in tons divided by 0.5 tons per square foot for clay soils and 1.0 tons per square foot for sand-gravel soils. Upward thrusts from vertical bends shall be counteracted by an equal weight of concrete.
17. Construction Staking. Construction staking on the project will be provided by the Engineering Division of the Department of Public Works.
18. Shutting Down Existing Water Mains. Contractor will be required to give the Area Construction Engineer notice 24 hours in advance of shutting off existing water lines to facilitate connection of new lines. Contractor will be required to close existing valves as approved by the Engineer only when the Project Inspector is present on the project. Such valves must be closed slowly to prevent damage from water hammer.
19. Clearing and Testing Water Mains. Contractor will be required to furnish all equipment, material, labor and other necessary incidentals to flush new lines with water, to fill new lines with water, pressure test new lines, leakage test new lines, and disinfect new lines. These items of work will not be paid for directly and shall be considered as subsidiary to the contract pay items. Flushing, filling, pressure testing, leakage testing, and disinfecting new lines shall be completed only when the Project Inspector is present on the project.
20. Waterline Projects with Water Service Lines. When waterline projects include installation of water service lines, contractor will be responsible for providing 72 hours notice to the Water Department's Special Service Division before obtaining Tap Order Form U1-306-R from the Office of Special Services Division in the Department of Water and Water Pollution Control, located on the Eighth Floor of City Hall, for each new service line and/or tap installed with the project. Field location of new service lines and taps will be the sole responsibility of the contractor in conformance with adopted standards and information provided with the plans. Contractor shall provide information as

INTEROFFICE MEMORANDUM

Printed by: Columbus (Buddy) Smith
Date: 12-Nov-1993 05:55pm CST
From: Joe Botinelly
 BOTINELLY_J
Dept: WATER & SEWER
Tel No: 268-4908

Chock FYI
TO: Wade Pascal
TO: Patsy Kirkpatrick

(PASCAL_W)
(KIRKPATRICK)

CC: Columbus (Buddy) Smith

(SMITH_CL)

Subject: 7001 West 21st *4H*

Water Distribution received the tap order for the 4-H building at 7001 West 21st this week. We are trying to expedite the order, in accordance with instructions.

After numerous calls to various people, I believe most of the questions that arose with this project have been resolved.

The following information may be helpful.

1. The tap order did not show what size service to install. We learned that the customer paid for a 1" service and meter set. What they actually want is a 3" service and meter set. To expedite the project, I agreed to invoice the County for the remaining costs after the work is completed rather than wait for payment of the additional amount.
2. The mechanical contractor installed both a 3" and a 2" line from the building to the meter vault. We do not understand yet the purpose of the 2" line, but it is clear that a bypass line is not desired.
3. Water main construction is scheduled to be concluded November 16. We will try to get the service installed November 18.
4. Water Distribution released the consumer line November 12. The status of the permit in County Inspection is unknown, but County personnel will handle it. As far as the tap order is concerned, the line is released.
5. All the people I contacted at the County, Soil Conservation Service and other places have been pleasant and helpful. The person most knowledgeable about the project has been Dennis Smith, architect at Law Kingdon Associates. Dennis expressed a desire to handle all aspects of the projects and my suggestion is that any requests for information or administrative matters should be funneled through him.



City of Wichita, Kansas

ACCOUNTS RECEIVABLE INVOICE

*Rx 12/13/93
Postmarked
12/9/93
Kulk*

DOCUMENT
AR -27033
DATE
12/03/93
FISCAL PERIOD
12 93

CUSTOMER NUMBER: 472333

DUE DATE: 12/03/93

SEDGWICK COUNTY CAPITAL P
ATTN: KEN ARNOLD

ATTN KEN ARNOLD
510 N MAIN SUITE 502
WICHITA KS 67203

REMIT TO:
WATER DEPARTMENT
WATER DEPT.

CITY OF WICHITA
455 N. MAIN
WICHITA, KS 67202

BILLING DEPARTMENT: 060024 WATER DEPARTMENT

L N	DESCRIPTION	QTY	U/M	UNIT PRICE	AMOUNT
A	PU#93749-01 21ST/RIDGE MTR SETS	1	LS	2056.28	2,056.28 2,056.28
<p><i>\$ 330.00 previously paid under County P.O. # 093749-01 Ken Arnold 12/13/93</i></p>					

A FEE OF \$30 CHARGED ON ALL RETURNED CHECKS

TOTAL DUE

12/28/93
2,356.28

RETURN ONE COPY OF THIS INVOICE WITH YOUR PAYMENT

12-21-93 14144156
ACCOUNT #97999772227

FORM NO: 29-641

REVISION DATE: 10/17/88

Cash Check Date 12 22 93 Mo 12 Day 22 Year 93



The City

of **Wichita**

No. 023896

Wichita, Kansas 12 22 93

Received of Robert Coody Capital

The Sum of 2000.00 Dollars

Being For PCA 937697

Department Entire

TOTAL 2000.00

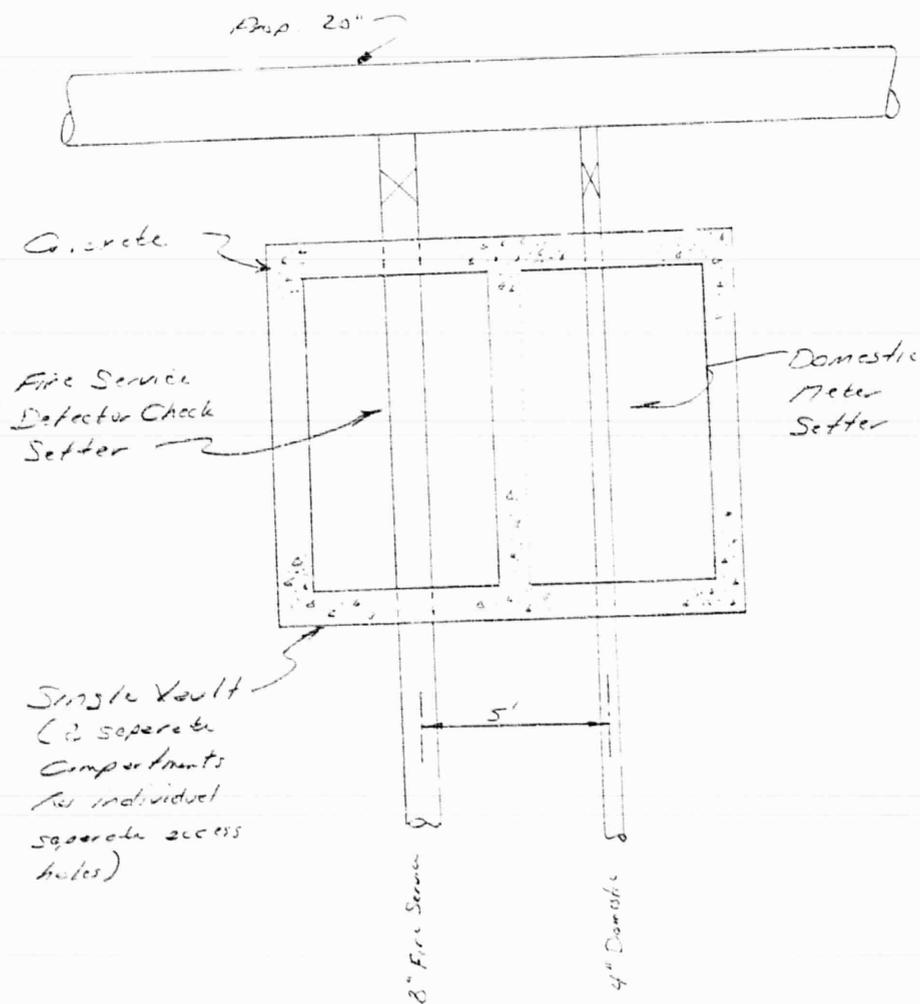
Collector CM

Invoice No. AK 2233

Amount

2000.00

3/16/93



Joe,

On the vault of the 4th Project at 21st & Ridge,
I suggest a single vault having two separate
compartments, one for fire service, and one for the
domestic service. The vault shall be sized to
handle the detector check and domestic meter
sets. Please review and advise. *Thomas Eric*

Sewer H₂O Dept
12/1/93

CITY OF WICHITA
CONSTRUCTION AND SURVEY
WATER QUALITY TEST

DATE 12/1/93 PRIVATE CITY X PROJECT NO. 88572
88095
PROJECT Zoo EXT. 2nd
AREA ENGINEER SCHAUER
SAMPLE TAKEN BY FAROH
INSPECTION BY FAROH
CONTRACTOR Utility
LINE SAMPLED 1 - 2 East - 2 West
DATE SAMPLED 12/1/93 RESULT DATE 12/2/93
 PASS/FAIL (CIRCLE ONE) TESTING COMPLETE: YES X NO

WICHITA WATER DEPT.

MATERIAL ISSUED

PH. 268-4346

Form UI-588 R 11/83

Truck Number

W.O. or Acct. No.

Description of Work

Location of Work

Utility Supervisor

NO.

SIZE

DESCRIPTION

Date

19

61693
JARCO Business Forms

Issued By

Rec'd By

[Handwritten signature]

LI-732-2A
MAR. 9, 1981

WICITA WATER DEPARTMENT
CONTRACTOR'S INSTALLATION REPORT

W.O. No. 449-76-245-88572-002-000-001 1 of 4
 Contractor UTILITY CONST. Date: Started 9-23-93 Completed 11-23-93
 Description 20" MAIN SERVING RIDGE RD. FROM 610'S & 21ST ST.
to 100' N. & SAME / 200 EXT 2nd

Main Installed (Total Measured Length)					CODE
Feet	Size	Type	Along	From	To
746	20"	C900 PVC	E PRING	695'S & 77'E & RIDGE RD.	97' N. & 69'E. & RIDGE RD.
9	20"	DILL SJ	"	405'S & 77'E & RIDGE RD.	414'S & 77'E & RIDGE RD.

Location (1) Main, (2) End of Main, (3) Fittings, (4) Hydrant, (5) Valves

I.D. No.	Loc.	Description
	(1)	746' - 20" - C900 - PVC 695' S. & 77' E. & to 97' N. & 69' E. & RIDGE RD. & 21ST
	(1)	9' - 20" DILL SJ 410' S. & 77' E. & 21ST & RIDGE (E PIPE)
	(3)	20" CIMJ CAP 43' E. & 10' S. F.H. (1st F.H. See 21st E. PRING - RIDGE RD.)
27428	(5)	20" ANCHORED MS BV. 43' E. & 2' N. F.H. (1st F.H. So. of 21st E. PRING - RIDGE RD.)
27428	(3)	20" X 8" CIMJ TEE 405' S. & 77' E. & RIDGE & 21ST
27428	(5)	8" - MS GV. (LOOKING E.) 405' S. & 78' E. & "
27428	(3)	20" X 4" CIMJ TEE 414' S. & 77' E. & "
27428	(5)	4" - MS GV. (LOOKING E.) 414' S. & 78' E. & "
27427	(5)	20" A. BV. 52' E. OF E. CL. RIDGE 34' S. OF S. CL. 21ST ST.
27426	(3)	20" X 16" CROSS 52' E. " " " 31' S. " " " "
27426	(5)	20" A. BV. 52' E. " " " 26' S. " " " "
	(3)	20" - CIMJ 45° 12' N. N. CL. 21ST = 50' E. E. CL. RIDGE
	(3)	20" - CIMJ 45° 22' N. N. CL. 21ST = 44' E. F. CL. RIDGE
	(3)	20" CIMJ CAP 36' E. & 10' N. F.H. NE COR. RIDGE & 21ST

Perm't Type _____ Size of Cut _____ Cut Permit No. _____
 Trench Depth: Mc. 14' Min. 4' Av. 7' Soil Type SAND
 Excavation (Lin. Ft.) Trencher 640' Hand _____ Bore or Tunnel 110' - 32" ID CASING
 Add'l. Infor. (Attach sketch & add'l. sheets if required) 32' BURE CASING BESS. 67' S. & 77' E.
& RIDGE & 21ST to 42' N. & 77' E. & SAME.

Contractor-Supt. PHILIP / BILL VESTAL Inspector FAROH
 Water Main's Supt. [Signature] Supt. T & D. [Signature]

UI-732-2A
MAR. 9, 1981

WICITA WATER DEPARTMENT
CONTRACTOR'S INSTALLATION REPORT

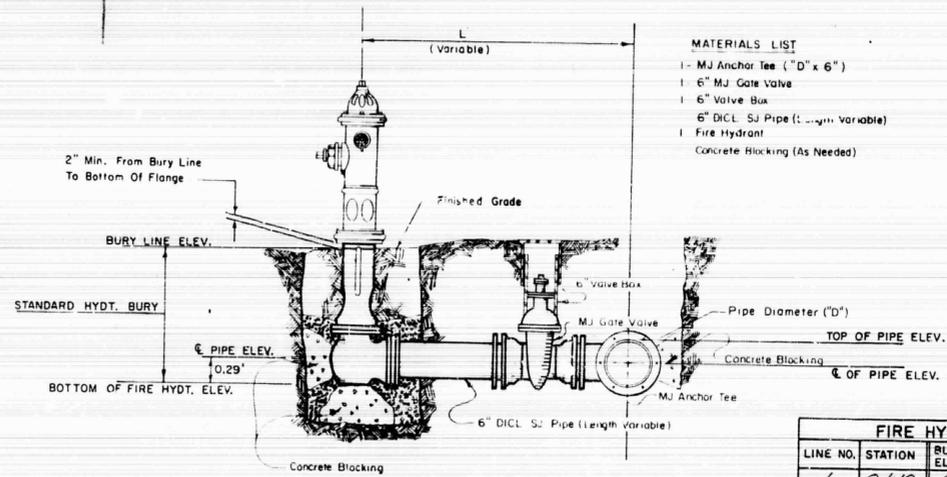
W.D. No. 448-76-245-88572-000-000-001 2 of 4
 Contractor UTILITY CONST. Date: Started 9-23-73 Completed 11-23-93
 Description 215'-16" PIPE S.E. CORNER RIDGE & 21st to SW COR.
SAME

Main Installed (Total Measured Length)				From		To		CODE
Feet	Size	Type	Along					ICR
209'	16"	C900 PVC	S. RIDGE 21st St.	112'E & 75'S. E	125' W. & 88'S. E			
6'	16"	DICL ST	"	RIDGE & 21st	SAME			
				67' W. & 88'S. E	73' W. & 88'S. E			
				RIDGE & 21st	RIDGE & 21st			

Location (1) Main, (2) End of Main, (3) Fittings, (4) Hydrant, (5) Valves

I.D. No.	Loc.	Description
	(1)	209'-16" C900 - 112'E & 75'S. & 21st & RIDGE RD. TO 100' W. & 88'S. & SAME
	(1)	6'-16" DICL ST 70' W. & 88'S. & RIDGE & 21st (TO & PIPE IDENT)
	(3)	2" B/O ASSEMBLY W/ 16" CINT CAS. 112'E & 75'S. & 21st & RIDGE 27' S. of S. CL. 21st & 87'E. of E. CL. RIDGE
	(3)	16"-22 1/2" CINT BEND 21'E. & 6' N. SEPC. 21st & RIDGE
	(3)	16"-22 1/2" CINT BEND 4'E. 3' N. SEPC. 21st & RIDGE
2455	(5)	16" CINT ANCHORED BV. 53'E. E. CL. RIDGE & 31'S. S. CL. 21st
	(3)	16" CINT 2" offset fitting 51'E. E. CL. RIDGE & 31'S. S. CL. 21st
	(3)	16" CINT 1 1/4" BEND 42' W. W. CL. RIDGE & 25'S. S. CL. 21st
	(3)	16" " " " 48' W. " " " 25'S. " " "
24609	(5)	16" ANCHORED BV. 75' W. W. CL. RIDGE & 27'S. S. CL. 21st (EXISTING VALVE)
	(2)	SAME AS ABOVE

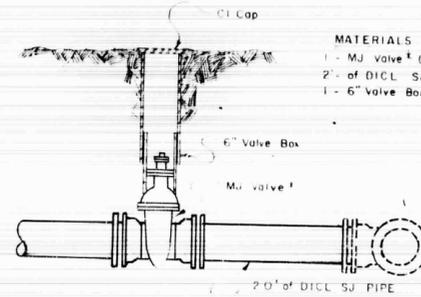
Perm't Type _____ Size of Cut _____ Cut Permit No. _____
 Trench Depth: Max. 14' Min. 4' Avg. 7' Soil Type SAND
 Excavation (Lin. Ft.) Trencher _____ Hand _____ Bore or Tunnel 102'-28" ID BORE
 Add't. Infor. (Attach sketch & add't. sheets if required) 102'-BORE CASING ALIGNMENT
CHANGE BEG. 80'S. & 52'E. & RIDGE & 21st to 90'S. & 50' W &
SAME.
 Contractor-Supt. PHILIP/BILL VESTELL Inspector FARON
 Water Main's Supt. T. Rose Sup't. T & D. John D. Tenally 12/10/99



- MATERIALS LIST**
- 1 - MJ Anchor Tee (12" 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)

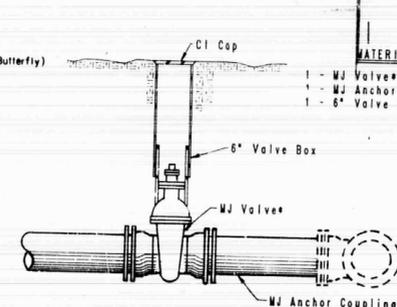
FIRE HYDRANT ASSEMBLY

FIRE HYDRANTS REQUIRED				
LINE NO.	STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED
1	0+10	142.50	138.29	5.5'
1	7787	143.70*	139.20	4.5'



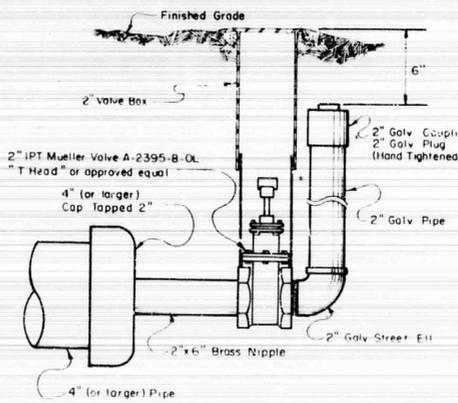
- MATERIALS LIST**
- 1 - MJ Valve (Gate or Butterfly)
 - 2' of DI CL SJ Pipe
 - 1 - 6" Valve Box

VALVE ASSEMBLY



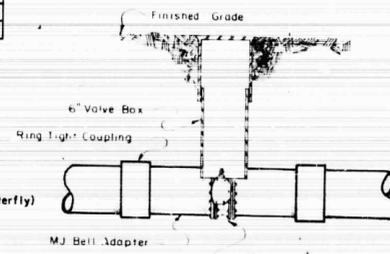
- MATERIALS LIST**
- 1 - MJ Valve (Gate or Butterfly)
 - 1 - MJ Anchor Coupling (12" or smaller)
 - 1 - 6" Valve Box

ANCHORED VALVE ASSEMBLY



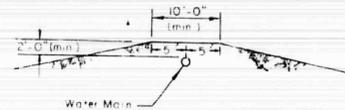
- MATERIALS LIST**
- 1 - 2" Valve Box
 - 1 - CIMU Cap
 - 1 - 2"x6" Brass Nipple
 - 1 - 2" IPT Mueller Valve A-2395-B-OL
 - 1 - "T Head" or approved equal
 - 1 - 2" Galv. Street Ell
 - 1 - 2" Galv. Pipe (as required)
 - 1 - 2" Galv. Coupling
 - 1 - 2" Galv. Plug (Hand Tightened)

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



PROTECTIVE FILL DETAIL

MINIMUM PROTECTIVE FILL SHALL BE PROVIDED IN ALL INSTANCES WHERE COVER OVER THE PROPOSED WATER LINE IS LESS THAN TWO (2) FEET. (CONS. SUBSTITUTORY TO PIPE INSTALLATION.)

Revised 2-17-1988

STANDARD WATER ASSEMBLY DETAILS

CITY OF WICHITA, KANSAS

JANUARY, 1987

9/4

CITY OF WICHITA
DETAILED TRANSACTIONS BY PROJECT

FAMIS UPDATE NO 1.344
73 FISCAL MONTH

AS OF 03/31/93

-----CURRENT MONTH CHANGES-----

PROJECT 470235 WDS ZOO 2ND ADDN NEW AH NI-5
DEP SEC INDEX TRANS DATE DOCUMENT VENDOR

DIV	CODE	SUB	CODE	POSTED	NUMBER	REF NO	NUMBER	VENDOR	NAME	BUDGET	EXPENDITURE	ENCUMBRANCES
13	92	05	731588	1100	301	03/31/93	PY46800Z	PY032693	0000000	122.43	9.37	
13	92	05	731588	1400	305	03/31/93	PY46823G	PY032693	0000000	12.58	3.10	
13	93	05	731588	1401	305	03/31/93	PY46910S	PY032693	0000000	3.10	19	
13	93	05	731588	1403	305	03/31/93	PY46841T	PY032693	0000000	10.05	10.05	
13	93	05	731588	1404	305	03/31/93	PY46893H	PY032693	0000000	24.01	24.01	
13	93	05	731588	1406	305	03/31/93	PY46658F	PY032693	0000000	182.01	182.01	
13	93	05	731588	2500	200	03/03/93	8481025E					
13	93	05	731588	2502	260	03/31/93	AV84724B					
TOTAL Index Code 731588										130,000.00-	182.01	
TOTAL SECTION 05										130,000.00-	182.01	
TOTAL DIVISION 93										130,000.00-	182.01	
TOTAL DEPARTMENT 13										130,000.00-	182.01	
TOTAL PROJECT 470235										130,000.00-	182.01	

WATER BID TABULATION SUMMARY
BOARD OF BIDS - AUGUST 20, 1993

	ENGINEER'S CONSTRUCTION ESTIMATE	UTILITY CONTRACTORS	VB CARTER CONSTRUCTION CO., INC.	WSW CONTRACTORS	WILDCAT CONSTRUCTION COMPANY
WATER SUPPLY LINE (Sedgwick County Zoo 2nd Addn.) 448-88572 (731588)	\$109,187.00	114,300. ⁰⁰			105,180. ⁰⁰
	BID BOND				
	ADDENDUM				
PORTION OF 20" WATER LINE (crossing 21st at Ridge) 448-88572 (630293)	\$54,000.00	41,725. ⁰⁰			62,000. ⁰⁰
	BID BOND				
	ADDENDUM				
AGGREGATE TOTAL FOR BOTH:	\$163,187.00	156,025. ⁰⁰			167,180. ⁰⁰



WATER BID TABULATION SUMMARY
BOARD OF BIDS - AUGUST 20, 1993

	ENGINEER'S CONSTRUCTION ESTIMATE	DONDLINGER CONSTRUCTION COMPANY, INC.	DULING CONSTRUCTION CO., INC.	HIES CONSTRUCTION CO., INC.	NCMAK CONSTRUCTION
WATER SUPPLY LINE (Sedgwick County Zoo 2nd Addn) 448-88572 (731588)	\$163,187.00				163,187.00
	BID BOND				7
	ADDENDUM				
PORTION OF 20" WATER LINE (crossing 21st at Ridge) 448-88572 (630293)	\$54,000.00				54,250.00
	BID BOND				
	ADDENDUM				
AGGREG. E TOTAL FOR BOTH	\$163,187.00				156,512.00

PRELIMINARY ESTIMATE: \$130,000.00 BUDGET ALLOCATION: \$130,000.00
 PRELIMINARY ESTIMATE: \$65,000.00 BUDGET ALLOCATION: \$65,000.00



required on the Tap Order Form and give such forms to the Area Engineer or his authorized representative. Contractor shall verify what information he is to provide on the Tap Order Form with said Office of Special Services Division. This work will not be paid for directly and shall be considered as subsidiary to the other pay items of work. Final payment of the project will not be approved until all tap order forms have been received by the Special Services Division.

21. Out of Service Notification. The contractor is to immediately notify the Water Department Dispatcher (268-4908) of any water mains or fire hydrants that are out of service due to the construction of the project. Notification to the Water Department Dispatcher must also be made immediately when those same mains and hydrants are returned to service.
22. Notice of Waterline Construction. The Contractor shall give all property owners and/or tenants of developed property directly affected by the construction of this project a minimum of twenty-four (24) hours advance notice prior to start of construction or changes in local access routes. Such notification shall include specific detailed information on changes in local access routes to individual properties and calendar dates identifying when such changes are scheduled to occur.
23. Tapping PVC Water Pipe for Service Installations. When a contractor is tapping polyvinyl chloride (PVC) water pipe, the tap shall be made by using a tapping saddle. The tapping service saddle to be used with PVC pipe shall be Cascade Style CSC1, which is all stainless steel with a 5-inch shell width and single bolt, a brass service saddle for C-900 PVC Pipe as approved by the Water Department, or an approved equal.
24. Water Pipe. PVC pipe may be used. For 12-inch diameter and smaller, the PVC pipe shall be DR-18 C-900 PVC pipe. For diameters larger than 12 inches, the PVC pipe shall be DR-18 C-905 PVC Pipe. When using C-900 or C-905 PVC Pipe, the following constraints shall apply:
 - a) CICL fittings or DICL compact fittings shall be used. PVC fittings are not allowed.
 - b) Deflection of C-900 or C-905 PVC pipe shall not be permitted except at couplings. Deflection at couplings shall be limited to 4 degrees for 12" diameter or smaller. To follow a curve the PVC pipe may be cut to short lengths and additional couplings may be used. Short lengths shall be no shorter than 6'6" unless otherwise approved by the Field Engineer.
 - c) PVC pipe may not be used as a substitute for CICL SJ pipe or DICL SJ pipe.
 - d) PVC pipe shall conform to AWWA Standard C-900-81 or C-905-85 or the latest revision thereof.
 - e) The use of PVC pipe is at the option of the CONTRACTOR. Any additional materials, fittings, couplings, or labor required by the use of PVC pipe shall be at the expense of the CONTRACTOR.
25. CICL Fittings. CICL Fittings shall not be paid for separately but shall be considered incidental to the water pipe. The Contractor may use either AWWA Standard CICL fittings or AWWA approved ductile-iron compact fittings. If ductile-iron compact fittings are selected, they shall meet AWWA Standard C-157, rated for a working pressure of 350 psi, of grade 70-50-05, and have a cement-mortar lining with an inside petroleum-asphaltic coating.

26. Fire Hydrant Assembly. The bid item "Fire Hydrant Assembly" shall include all material and labor to furnish the assembly, complete in place. The assembly shall include the following: the hydrant valve anchor tee, the 6" MJ gate valve, the 6" valve box, the variable length of 6" DICL SJ pipe, the fire hydrant, all hydrant barrel extensions required to bring the fire hydrant or an approved equal, the gravel for drain, and all concrete thrust blocking required for the hydrant tee and fire hydrant.
27. Plastic Flagging Material. The Contractor shall provide the plastic flagging material specified by the Wichita Water Department used for marking the ends of the service lines on water line projects that include service line installations. The flagging material shall be that which is available from Kansas Blueprint General Catalog Stock Number 6598 in Fluorescent Orange or an approved equal. The cost of the plastic flagging material shall be incidental to the service installations and not be paid separately.
28. DICL SJ Pipe Payment. DICL SJ Pipe called out separately shall be paid as DICL SJ pipe. The pieces of DICL SJ pipe between Tees and Valves shall not be paid as DICL SJ pipe as this quantity is included in the pipe lengths between fittings.
29. Water for Construction from Fire Hydrants. Application must be made at the Mains and Services Building, 1701 Sim Park Drive, 268-4908 for a permit to authorize usage of water from public fire hydrants. There will be no charge for the water used for flushing and settlement of backfill on this project.
30. Disinfection Procedures for Water Mains. The sheet providing chlorine requirements contains an error. The time requirement for the 50 mg/l chlorine solution to remain in the line shall be a minimum of twenty-four (24) hours after which there should be a residual of at least 10 mg/l. All other information contained in the "Disinfection Procedures" specification are correct.
31. Availability of Material. The Contractor shall ascertain that he has a supply source for material prior to submitting his bid. Non-availability of material shall not prevent working days from being assessed.
32. DETECTION, PROTECTION AND IDENTIFICATION: For detection, protection and identification of water mains, the Contractor shall install a detectable metallic marking tape in the trench over the water main at the time of backfilling. The marking tape shall be placed in the trench at a depth of one foot, but not exceeding three feet below the proposed final grade of the ground over the centerline of the water main.

The detectable metallic underground marking tape shall meet the following specifications:

Material	The tape shall be aluminum foil encased in an impervious mylar plastic coating on both sides.
Thickness	The tape shall be 5 mils thick.
Width of Tape	The tape shall be three inches (3") in width.
Printing	The color and printing shall be under the impervious mylar plastic coating. The printing shall be black in color.

Coloring The color used on the tape shall be blue.

Warning Message The following warning message shall be repeated on the tape, "CAUTION - BURIED WATER LINE BELOW".

The cost of installing the underground marking tape shall be considered subsidiary to the installation of the water main and not paid for separately.

33. 2" Blowoff Assembly. The 2" x 6" nipple between the cap and 2" gate valve is to be brass.
34. Allowable Leakage. The table in section 17-7 of these Standard Specifications is in error. The following table shall be used to determine allowable leakage on water main installations.

Allowable leakage per 1000 feet of pipeline in gallons/hour (GPH)

Avg. Test Pressure PSI	Normal Pipe Diameter							
	4	6	8	12	16	20	24	36
150	0.37	0.55	0.74	1.10	1.47	1.84	2.21	3.31
125	0.34	0.50	0.67	1.01	1.34	1.68	2.01	3.02
100	0.30	0.45	0.60	0.90	1.20	1.50	1.80	2.70
75	0.26	0.39	0.52	0.78	1.04	1.30	1.56	2.34
50	0.21	0.32	0.42	0.64	0.85	1.06	1.27	1.91

35. Valve Box Location Marking. On waterline projects in newly platted subdivisions that are just being developed, locations of valve boxes, fire hydrant valve boxes, and blowoff assembly valve boxes, are to be marked using lengths of wood 2 by 4's. The top of the 2" x 4" marker shall be four (4) feet above the existing grade, painted orange, and marked "Valve Box" using black marking pen. The 2" x 4" shall be placed to the property line side of the valve box and within six (6) inches of the top of the valve box. The 2" x 4" marker shall be set deep enough to stand erect in fill areas or areas of loose soil. Cost of such marking shall be incidental to assembly installation and not paid separately.
36. Asbestos Cement Pipe. Asbestos cement pipe is not a pipe material to be used in the construction of water lines in the City of Wichita, Kansas. All references in the City of Wichita Standard Specification No. 14533 for The Installation of Water Distribution System indicating that asbestos cement pipe can be used for water line construction in the City of Wichita, Kansas shall be considered as having been deleted.
37. Extra Work. Frequently plans, specifications, and/or Special Provisions will identify specific items of work to be completed by the Contractor for which the Proposal does not include a pay item. It shall be perceived in these cases that such work will be completed by the Contractor and all costs for such work shall be considered as subsidiary to the other pay items of work in the Proposal. No claim from the Contractor will be allowed for payment of such work as extra work.
38. Details. The apparent silence of Specifications, Plans, and Special Provisions as to any detail or the apparent omission from them of a detailed description concerning any point shall be regarded as meaning that only the best general practice of the trade or profession involved is to be used. All interpretations of the project plans, specifications, and special provisions shall be made on the basis stated above.

39. Construction Operations. Contractor's construction operations shall be such that will minimize inconvenience to individual residents living in the project area. Contractor will be required to make special access provisions for any handicapped residents within the project area whose normal access would otherwise be impaired. Contractor and his subcontractors will be required to work a minimum schedule from one half hour after sunrise to one half hour before sunset on Monday through Saturday, inclusive, until such time that the normal vehicular traffic flow is restored within the project limits. Contractor's and subcontractors' work force during these times shall be full crews as required for full production for current operations under construction. Exceptions to such minimum schedule will only be allowed for circumstances which are beyond the control of the Contractor or Sub-contractor.

40. Traffic. On waterline projects where traffic shall be carried through construction, such traffic shall be carried on existing pavements. The Contractor will be responsible for coordination of access with abutting properties within the limits of the construction. The Contractor's representative on the job site and the City's representative or inspector will meet with affected tenants of such property and mutually resolve any problems which require resolution related to vehicular access to private property. Some locations may require that vehicle parking on certain streets be temporarily prohibited. The Contractor will be required to coordinate arrangements for closing the various streets to vehicular parking in a manner approved by the City Traffic Engineer. Two-way traffic may be carried in one lane with flagpersons and appropriate signing when the Contractor is working on the project during non-peak hours. Peak hours are assumed to be from 6:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m. At other times, two-way traffic is to be maintained using one-lane in each direction. Movement of emergency vehicles will be given the right-of-way over other vehicles at all times.

Safety of the public is a primary concern and for this reason the City places great emphasis on compliance with the specified traffic control signing provisions identified for the project. The Engineer or his authorized representative on the project shall give notice to the Contractor when the traffic control signing is not in compliance with specified requirements. Such notice given to any employee of the Contractor shall be considered as notice given to the Contractor. The Contractor will be required to correct the traffic control signing deficiencies within a time period not to exceed two hours. The City will charge the Contractor liquidated damages for failure to correct the traffic control signing deficiencies within the identified time period. Such liquidated damages shall be as specified for the completion of work on the project and will be charged for each calendar day for failure to correct the identified traffic control signing deficiencies within the specified two-hour time period. Proper signs, barricades and warning lights shall be placed prior to beginning any work and shall remain in place until the work is completed.

41. Surface Storm Water. Contractor will be required to incorporate provisions in his construction operation to mitigate the nuisance and inconvenience of ponded surface storm water caused by the construction of the project. Such provisions will include the pumping of such ponded storm water to existing storm sewer inlets or existing street gutters which provide a positive outlet for drainage from the project area when deemed necessary by the Engineer.

42. Multiple Contractors. When separate contracts are let for work within the limit of any one project area, each contractor shall conduct his work so as not to interfere with or hinder the timely progress or completion of the work being performed by other Contractors. In this regard, contractors working within the same project area shall cooperate with each other to the maximum extent possible, in accordance with the spirit of the plans and specifications, and shall arrange their work, perform their work in proper sequence, and place or dispose of materials being used in order to avoid delaying each other in the performance of their respective work responsibilities. The Construction Engineer, or his authorized representatives on the project, shall have the right to direct cooperation between the separate contractors.
43. Complete in place. The unit price shall be considered full compensation for providing the bid item complete and in place.
44. NPDES Permit. Effective October 1, 1992, each construction site which disturbs an area of five acres or more is required by law to have a National Pollution Discharge Elimination System (NPDES) permit. The Contractor will be required to obtain the permit for this project should the disturbed area for the project equal or exceed the five-acre limit. The contact person related to the NPDES permit application is Kelly P. Finn, Department of Health and Environment in Topeka, Kansas (913/296-0086).
45. Sanitary Provisions. The Contractor shall provide and maintain in a neat and sanitary condition such accommodations for the use of his employees as may be necessary to comply with the requirements and regulations of the State Department of Health and other bodies or officers having jurisdiction thereof. He shall permit no public nuisance.
46. Flowable Fill. All materials, labor, equipment, tools and incidentals for the installation of flowable fill shall be considered subsidiary to the project and not paid for separately regardless of trench depth and/or pipe sizes unless indicated otherwise by plans or contract. Specifications for the installation of flowable fill are available at the City Engineer's office upon request by the waterline contractor.
47. Electric Conduit. When there is electric conduit in the scope of the project, the Contractor shall contact the Office of Central Inspection for any permit requirement for this type of work.
48. County Permit. A County Permit shall be required for this project. The permit shall be obtained by the City of Wichita. Copies of such permit shall be provided to the Contractor to be kept on site. Request for copies shall be made by the Contractor to the Construction Engineer.
49. Bid Form, Preparation and Final Payment. Base bid quantities identified for this project in the bid form are calculated plan quantities. Quantities and unit prices identified in the base bid items will be used to develop the lump sum bid for these items. These quantities and unit prices will be used for partial payments and the basis for change orders when necessary. When there is a discrepancy between the unit prices stated, extensions and (extended) amounts shown on the bid form, the unit prices shall be considered as correct. Payment for the base bid items will be as a lump sum amount based on the base bid quantities and unit prices bid as mentioned above. The bid form may also identify measured quantity items in addition to the base bid items. These items identified as measured quantity items will be measured and paid for at the unit

price bid, in addition to the lump sum amount for the base bid items. If the bid form identifies, add alternate or deduct alternate bid items in addition to the base bid items, the add alternate or deduct alternate items shall not be included in the base bid item total.

The bidder shall note the revised bid proposal format, effective May 21, 1993, when preparing the bid. Bids should be prepared showing the unit price, extension amounts and a total of the extended amounts, which shall be the total bid. Below is a brief example of a properly prepared bid:

(PRICES SHALL INCLUDE ALL MATERIAL AND LABOR)

[Quantity x Unit Price = Amount]			
ITEMS	QUANTITY	UNIT PRICE	AMOUNT
5" AC Pvmnt (3" Bit Base)	1234 sy	6.00	7,404.00
Excavation	234 cy	2.00	468.00
Site Cllrg & Restoration	1 LS	2,000.00	2,000.00
bid Total			\$9,872.00

LEGEND: LS = Lump Sum lf = lineal feet ea = each gl = gallons tn = tons
 sf = square feet sy = square yards cy = cubic yards cf = cubic feet
 Unit Price = price for each unit of measure as specified

49. Standard Water Distribution System/Water Supply Line Specifications: The City of Wichita's Standard #14533 for the installation of Water Distribution System/Water Supply Line Specifications (on file and available in the City Engineer's Office) are required provisions for the furnishing of all materials and doing all work to complete the above referenced project, and are hereby made a part of these provisions as if fully set forth herein. Said Standard Specifications shall control except as modified by the above Special Provisions.

PROPOSAL

To the Honorable Mayor and Board of Council Members of the City of Wichita, Kansas:

The undersigned hereby proposes to furnish all materials and to do all the work required to complete constructing Water Supply Line to serve Sedgwick County Zoo 2nd Addition AND 20" Water Line crossing 21st Street at Ridge Road in the City of Wichita, in a first-class manner and in strict accordance with the Special Provisions hereto annexed and the standard City of Wichita Storm Sewers and Drainage Specifications and the plans and drawings of the same on file in the City Engineer's office, at the following price, viz:

[Quantity x Unit Price = Amount]

ITEMS	QUANTITY	UNIT PRICE	AMOUNT
BASE BID ITEMS FOR 731588	614 lf		
20" Pipe			
20" DICL SJ Pipe	5 lf		
16" Pipe	180 lf		
16" DICL SJ Pipe	2 lf		
20" Valve Assembly	1 ea		
20" Anc Valve Assembly	1 ea		
8" Anc Valve Assembly	1 ea		
4" Anc Valve Assembly	1 ea		
Fire Hydrant Asmbly	1 ea		
Furnish & Install Steel Casing Pipe by boring	102 lf		
Site Cllrg & Restoration	1 LS		
TOTAL BASE BID ITEMS FOR 731588			
BASE BID ITEMS FOR 630293	179 lf		
20" Pipe			
16" Pipe	29 lf		
20" Anc Valve Assembly	1 ea		
16" Anc Valve Assembly	1 ea		
Fire Hydrant Asmbly	1 ea		

ITEMS	QUANTITY	UNIT PRICE	AMOUNT
2" Blowoff Asmbly	1 ea		
Furnish & Install Steel Casing Pipe boring	110 lf		
Site Clrg & Restoration	1 LS		
TOTAL BASE BID ITEMS FOR 630293			
TOTAL BASE BID ITEMS FOR BOTH			

And _____ hereby agrees to enter into a contract within ten (10) days from the date of your acceptance of this proposal, to finish said work according to plans and specifications on file in the office of the City Engineer, under which the bid was made, and will furnish such sureties for the faithful laborers' wages and liens which may arise therefrom, and the payment of all damages to persons or property, said sureties being issued by a local agent of the surety company, which sureties are subject to the approval of your Honorable Body.

We have examined the above referenced plans and specifications for the proposed work and have satisfied ourselves by personal examination of the location of the work and understand the nature of the work to be done, and our proposal is based on the conditions and requirements of said plans and specifications, and should the contract be awarded to us, we will execute the work in strict accordance with said plans and specifications and guarantee and maintain the pavement as provided in the same.

We agree that this bid shall be good and may not be withdrawn for a period of thirty (30) calendar days after the scheduled closing time for receiving bids.

We enclose herewith, a bidder's bond in the sum of 5 percent of the bid (\$ _____) which shall become the property of the City in case this proposal is accepted by the City or its authorized agents, and if the undersigned shall fail or refuse to enter into a contract within the time provided, and to furnish the bonds provided for in the specifications.

Dated at Wichita, Kansas, this _____ day of _____, 199__.

BIDDER: _____
(print or type name of firm)

ADDRESS: _____

AUTHORIZED AGENT: _____
(Signature)

(print or type name of authorized agent)

WATER PETITION

To the Mayor and City Council
Wichita, Kansas

Dear Council Members:

1. We, the undersigned owners of record as below designated, of Lots, Parcels, and Tracts of real property described as follows:

SEDGWICK COUNTY ZOO 2ND ADDITION

The North 620 ft of the West 600 ft of Lot 2, Block
A

do hereby petition, pursuant to the provisions of K.S.A. 1980 Supp. 12-6a01 et seq., as follows:

- (a) That there be constructed a water supply line to serve a portion of Lot 2, Block A, Sedgwick County Zoo 2nd Addition, according to plans and specifications to be furnished by the City Engineer of the City of Wichita, Kansas.
- (b) That the estimated and probable cost of the foregoing improvements being Ninety Thousand Five Hundred Dollars (\$90,500.00), with 58 percent payable by the improvement district and 42 percent by the Water Utility Fund. Said estimated cost as above set forth is hereby increased at the pro-rata rate of 1 percent per month from and after December 1, 1991.
- (c) That the land or area above described be constituted as an improvement district against which shall be assessed 100 percent of the total actual cost of the improvement for which the improvement district is liable.
- (d) That the method of assessment of all costs of the improvement for which the improvement district shall be liable shall be on a square foot basis.

Where the ownership of a single lot is or may be divided into two or more parcels, the assessment to that so divided shall be assessed to each ownership or parcel on a square foot basis.

- (e) Signatures on this petition are made with full knowledge and understanding that said signatures constitute a waiver of any assistance available through the Special Assessment Deferral Program.

88572

2. It is requested that the improvements hereby petitioned be made without notice and hearing, which but for this request, would be required by K.S.A. 12-6a04.

3. That names may not be withdrawn from this petition by the signers thereof after the Governing Body commences consideration of the petition or later than seven (7) days after filing, whichever comes first.

4. That when this petition has been filed with the City Clerk and it has been certified that the signatures thereon are according to the records of the Register of Deeds of Sedgwick County, Kansas, the petition may be found sufficient if signed by either (1) a majority of the resident owners of record of property liable for assessment under the proposal, or (2) the resident owners of record of more than one-half of the area liable for assessment under the proposal, or (3) the owners of record (whether resident or not) of more than one-half of the area liable for assessment under the proposal. The Governing Body is requested to proceed in the manner provided by statute to the end that the petitioned improvements may be expeditiously completed and placed in use.

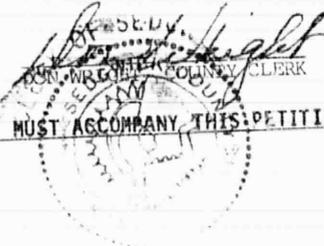
WITNESS our signatures attached with respect to each of which is indicated the property owned and the date of signing.

LEGAL DESCRIPTION	SIGNATURE	DATE
SEDGWICK COUNTY ZOO 2ND ADDITION	<i>Billy D. McCray</i> Chair, Board of Sedgwick County Commissioners	1-15-77

The North 620 ft of the West 600 ft
of Lot 2, Block A

ATTEST:

AN ABTRACTOR'S CERTIFICATE OF OWNERSHIP MUST ACCOMPANY THIS PETITION



INSTRUCTIONS

1. The person(s) circulating the petition is(are) strongly encouraged to obtain and submit an abstractor's certificate of ownership list from a Title Company.
2. Each resident owner who wishes to sign the petition must sign as their names appear on the abstractor's certificate. The date of signing should be placed beside each signature.
3. In accordance with City of Wichita Ordinance No., 38-438, individuals signing this petition will not be eligible for the City of Wichita's Special Assessment Deferral Program.
4. All owners of each property must sign the petition (i.e., both husband and wife if they are listed on the property deed).
5. If you have information that any of the property owners live outside the city limits, place their addresses, if known, and names in the space provided in the affidavit.
6. MAKE NO ERASURES on any part of this petition. Erasures will void the petition, and it will not be accepted or submitted for approval.
7. Return the petition to the City Clerk's office and sign the affidavit. The signatures, must be witnessed by the City Clerk or his Deputy.
8. The telephone number, if any, and address of the person filing the petition must be shown on the affidavit.
9. If you have additional questions or require additional instructions, please contact the office of the City Engineer.

First published in the Daily Report on FEB 26 1993

RESOLUTION NO. R-93-044

RESOLUTION

RESOLUTION OF FINDINGS OF ADVISABILITY AND RESOLUTION AUTHORIZING CONSTRUCTION OF WATER DISTRIBUTION SYSTEM NUMBER 448-88572 (EAST OF RIDGE, SOUTH OF 21ST) IN THE CITY OF WICHITA, KANSAS, PURSUANT TO FINDINGS OF ADVISABILITY MADE BY THE GOVERNING BODY OF THE CITY OF WICHITA, KANSAS.

BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF WICHITA, KANSAS, THAT THE FOLLOWING FINDINGS AS TO THE ADVISABILITY OF CONSTRUCTING WATER DISTRIBUTION SYSTEM NUMBER 448-88572 IN THE CITY OF WICHITA, KANSAS, ARE HEREBY MADE TO-WIT:

UNRECORDED

SECTION 1. That it is necessary and in the public interest to construct Water Distribution System Number 448-88572 in the City of Wichita, Kansas.

SECTION 2. That the cost of said improvements provided for hereof is estimated to be One Hundred Thirty Thousand Dollars (\$130,000) with Fifty Two Thousand Four Hundred Ninety Dollars (\$52,490) payable by the improvement district and the balance of the project cost payable by the Water Utility Fund. Said estimated cost as above set forth is hereby increased at the pro-rata rate of 1 percent per month from and after December 1, 1992.

SECTION 3. That all costs of said improvements attributable to the improvement district, when ascertained, shall be assessed against the land lying within the improvement district described as follows:

SEDGWICK COUNTY ZOO 2ND ADDITION

The north 620 feet of the west 600 feet of Lot 2, Block A

SECTION 4. That the method of apportioning all costs of said improvements attributable to the owners of land liable for assessment shall be on a square foot basis.

Where the ownership of a single lot is or may be divided into two or more parcels, the assessment to the lot so divided shall be assessed to each ownership or parcel on a square foot basis.

SECTION 5. That payment of said assessments may indefinitely be deferred as against those property owners eligible for such deferral available through the Special Assessment Deferral Program.

SECTION 6. That the City Engineer shall prepare plans and specifications for said improvement and a preliminary estimate of cost there-

JDH

City Clerk

(448-88572/731588/470-235)
Page 3

EXHIBIT B

for, which plans, specifications, and a preliminary estimate of cost shall be presented to this Body for its approval.

SECTION 7. The advisability of the improvements set forth above is hereby established as authorized by K.S.A. 1980 Supp. 12-6a01 et seq.

SECTION 8. Be it further resolved that the above described improvement is hereby authorized and declared to be necessary in accordance with the findings of the Governing Body as set out in this resolution.

SECTION 9. That the City Clerk shall make proper publication of this resolution, which shall be published once in the official City paper and which shall be effective from and after said publication.

ADOPTED at Wichita, Kansas, FEB 23 1993

Frank Gjile
FRANK GJILE, MAYOR

ATTEST:

Pat Burnett
PAT BURNETT
DEPUTY CITY CLERK

(SEAL)



State of Kansas)
Sedgwick County) ss
City of Wichita)
I, Twila M. Nelson, Deputy City Clerk of the City of Wichita,
Kansas, hereby certify that the document to which this is affixed
is a true and correct copy of the document on file in my office.

Given under my hand and seal of the City of
Wichita, this 23rd day of February, 1993
Twila M. Nelson Deputy City Clerk

8-000
10-10-48
Ed Bass
Deputy

C O N T R A C T

123-032

THIS AGREEMENT made and entered into this 31st day of August, A.D. 1993, by and between the City of Wichita, a municipal corporation, hereinafter known as First Party, and Utility Contractors, Inc. whose principal office is at P.O. Box 2079, Wichita, KS 67201, hereinafter known as the Second Party.

WITNESSETH, That for and in consideration of covenants hereinafter set out the Second Party contracts, promises and agrees to and with the First Party that Utility Contractors, Inc., will furnish all the material and labor necessary to construct a Water Supply Line to serve Sedgwick County Zoo 2nd Addition (east of Ridge, south of 21st Street North) - Project No. 448-88572(731588) and to construct a portion of a 20" Water Line crossing 21st Street at Ridge Road (21st Street North and Ridge Road) - Project No. 448-88572(630293) in the City of Wichita, Sedgwick County, Kansas, according to plans and specifications and the bid of said Second Party therefor, which plans and specifications and bid are on file in the office of the City Engineer of said City, and are hereby made a part of this contract to the same effect and as fully embodied herein.

Second Party further agrees that the work under this contract shall be completed to the full satisfaction of the City Engineer of the City of Wichita within forty (40) working days of the issuance of the work order and that said work shall be done under the direct supervision of said Engineer, or such other person as the City Council may direct, and that said Engineer's decision as to the material used in said improvement and the method in which the work is to be done shall be final and conclusive upon the parties hereto. Working days shall be as defined in the Standard Specifications of the City of Wichita.

Second party further agrees that at all times during the prosecution of said improvement Utility Contractors, Inc., will maintain the proper safeguards, barricades and lights on the work and every portion thereof to insure the highest degree of safety to the traveling public, and that Utility Contractors, Inc., will hold the City of Wichita harmless in all suits for damages brought against either of the parties to this contract on account of the negligent acts, omissions or default of said Second Party, their agents or servants in the prosecution of the work on said improvement.

Second Party further agrees to maintain said improvement for a period of two (2) years from date of the completion and acceptance of same by the City of Wichita; this maintenance to be done and performed by said Second Party without any expense to the First Party whatever.

Second Party shall furnish the First Party a good and sufficient bond guaranteeing the completion of said improvement and every part thereof according to the specifications and the bid of said Second Party and the terms of this contract; conditioned further, for the maintenance of said improvements as hereinbefore provided; and conditioned further, upon the holding of the City of Wichita harmless in all suits for damages as specified in this contract.

Second Party shall furnish a bond to the State of Kansas in the total amount of this contract; conditioned upon the payment of all material and labor bills incurred in the making of said improvement.

For and in consideration of covenants promised and agreed to by the Second Party, the First Party will pay to Second Party, in cash, the following lump sum \$156,025.00 which lump sum is calculated by extending the following prices per unit for bid quantities, which are for this project deemed to be actual plan quantities.

Base Bid Items for 88572 (731588)				
20" Pipe	614	lf	@	110.00
20" DICL SJ Pipe	5	lf	@	120.00
16" Pipe	180	lf	@	45.00
16" DICL SJ Pipe	2	lf	@	120.00
20" Valve Assembly	1	ea	@	2500.00
20" Anc Valve Assembly	1	ea	@	3000.00
8" Anc Valve Assembly	1	ea	@	1000.00
4" Anc Valve Assembly	1	ea	@	500.00
Fire Hydrant Asmbly	1	ea	@	2500.00
Furnish & Install Steel Casing Pipe by boring	102	lf	@	160.00
Site Clrg & Restoration	1	LS	@	12000.00

Total Bid Amount for 88572 (731588) \$ 114,300.00

Base Bid Items for 88572 (630293)				
20" Pipe	179	lf	@	45.00
16" Pipe	29	lf	@	80.90
20" Anc Valve Assembly	1	ea	@	2800.00
16" Anc Valve Assembly	1	ea	@	2100.00
Fire Hydrant Asmbly	1	ea	@	2400.00
2" Blowoff Asmbly	1	ea	@	300.00
Furnish & Install Steel Casing Pipe by boring	110	lf	@	185.00
Site Clrg & Restoration	1	LS	@	3400.00

Total Bid Amount for 88572 (630293) \$ 41,725.00

TOTAL CONTRACT AMOUNT: \$ 156,025.00

The Second Party shall be entitled to payment of 95 percent of its progress estimates every thirty days during the prosecution of said improvement; 5 percent of the total amount being at all times retained until final completion, at which time Second Party shall be entitled to final payment.

The Second Party further agrees notwithstanding anything to the contrary contained in the bid documents or the contract to be awarded herein, that the City shall not be subject to arbitration and any clause relating to arbitration contained in the documents or in the contract to be awarded herein between the parties shall be null and void and either party shall have the right to litigate any dispute in a court of law.

The contractor, in performing the work required under this contract, agrees to comply with the provisions of the "Revised Non-Discrimination and Equal Employment Opportunity Statement For Contracts Or Agreement" of the City of Wichita, which is incorporated herein by reference.

For good cause, and as consideration for executing this contract, the contractor, acting herein by and through its authorized agent, hereby conveys, sells, assigns, and transfers to the City of Wichita all right, title, and interest in and to all causes of action it may now or hereafter acquire under the anti-trust laws of the United States and the State of Kansas, relating to the particular product, products, or services purchased or acquired by the City of Wichita pursuant to this contract.

IN WITNESS WHEREOF the City of Wichita has caused these presents to be executed by its Mayor and attested by its clerk with the seal of the City of Wichita imp. hereon, and the Second Party has caused these presents to be duly executed the day and year first herein written.

Attest:

City Clerk

Pat Burnett

Approved as to form this

9/15/93

Director of Law

Ray E. Adair

Walter Bradford

Mayor

Utility Contractors, Inc.

By

Larry E. Farrar

(Title) Vice President

dlb/BIDS



BOND TO THE CITY OF WICHITA

BOND NO. 30503832

KNOW ALL MEN BY THESE PRESENTS: That UTILITY CONTRACTORS, INC.
of the State of KANSAS and City of WICHITA and having authority to do business
in the State of Kansas, as principal, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND a surety corporation of
MARYLAND and authorized to do business in the State of Kansas, as surety hereon, are held
and firmly bound unto the City of Wichita in the just and lawful sum of One hundred fifty six thousand, twenty
five and no/100 (\$156,025.00) Dollars,
good and lawful money of the United States of America, to the payment of which the said principal hereby binds
themselves/their heirs, administrators, executors, successors, trustees and assigns, and the said surety hereby binds
itself, its successors, trustees and assigns, all jointly and severally, firmly by these presents.

Signed, sealed and dated at Wichita, Kansas, this 31st day of August A. D. 19 93

THE CONDITION OF THE ABOVE OBLIGATION is such that whereas the said principal, UTILITY
CONTRACTORS, INC. of P. O. Box 2073, Wichita, KS has this 31st day of August

A. D. 19 93, entered into a contract with the City of Wichita to furnish all of the materials and labor necessary to con-
struct and complete a certain public improvement in the City of Wichita, as follows:

Water Supply Line to serve Sedgwick County Zoo 2nd Addition
Proj. No. 448-88572 (731589)

according to the plans and specifications therefor, heretofore approved by the Board of Commissioners of the City of
Wichita, and on file in the office of the City Engineer of the City of Wichita, and within the time and in compliance with
every provision of said contract, and to maintain the same for a period of two years from date of completion, all in
accordance with and as provided in said contract.

NOW THEREFORE if said principal shall well and faithfully and fully comply with all the requirements in the con-
tract for said improvement, and shall complete same according to the terms thereof; and shall maintain said improvement
in the manner and form set forth and required by said contract for the period of two years, and shall save and hold
the City of Wichita harmless for all claims and suits brought against it, or the City of Wichita for damages to property
or injury to persons occasioned by or growing out of the construction of said improvement or the failure or neglect of
said principal to carry out said contract, or to complete and maintain said improvement and the works thereon as pro-
vided by the terms and provisions of said contract, then in that case, the obligation to be void; otherwise to be and re-
main in full force and effect.

IN WITNESS WHEREOF, The said principal has executed and surety has caused these presents to be signed by its
duly authorized attorney-in-fact the day and year herein written.

Approved as to form this 9/15/93
Gary E. Stewart
City Attorney

UTILITY CONTRACTORS, INC. Principal.
By [Signature]
Larry E. Farrar, Vice President
FIDELITY AND DEPOSIT COMPANY OF MARYLAND Surety.
By [Signature]
Roberta I. Heerman, Attorney-in-fact
250 No. Water, Wichita, KS 67202



FIDELITY AND DEPOSIT COMPANY OF MARYLAND
 COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
 HOME OFFICES, BALTIMORE, MD. 21201

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, corporations of the State of Maryland, by C. M. PECOT, JR., Vice President, and C. W. ROBBINS, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2 of the respective By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute and appoint W. C. Cohen, Jr., Joe E. Moddrell, Jr., Joseph C. Lukens, II, Scott T. Post, Richard K. Stone, Roberta I. Hoorman, Bret S. Burton and Judy K. Lynch, all of Wichita, Kansas, EACH, the true and lawful agent and Attorney-in-Fact of each, to make, execute, seal and deliver, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings, EXCEPT bonds on behalf of Independent Executors, Community Survivors and Community Guardians.

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the respective Companies at their offices in Baltimore, Md., in their own proper persons. This power of attorney revokes that issued on behalf of W. C. Cohen, Jr., et al, dated, October 4, 1991.

IN WITNESS WHEREOF, the said Vice Presidents and Assistant Secretaries have hereto subscribed their names and affixed the Corporate Seals of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY this 1st day of January, A.D. 1992.



FIDELITY AND DEPOSIT COMPANY OF MARYLAND
 C. W. Robbins
 Assistant Secretary

By: *[Signature]*
 Vice President



COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
 C. W. Robbins
 Assistant Secretary

By: *[Signature]*
 Vice President

STATE OF MARYLAND
 CITY OF BALTIMORE

on this 1st day of January, A.D. 1992, before the subscriber, a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and qualified, came the above named Vice Presidents and Assistant Secretaries of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, to me personally known to be the individuals and officers described herein and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself as poseth and saith, that they are the said officers of the Companies aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereto set my hand and affixed my Official Seal of the City of Baltimore, the day and date first above written.



[Signature]
 Notary Public CAROL J. FADER
 My commission expires August 1, 1992

CERTIFICATE

I, the undersigned Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate, and I do further certify that the Vice Presidents who executed the said Power of Attorney were Vice Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact as provided in Article VI, Section 2 of the respective By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY.

This certificate may be signed by facsimile under and by authority of resolutions of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 16th day of July, 1969 and of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of December, 1991.

RESOLVED: That the facsimile or mechanically reproduced signature of any Assistant Secretary of the Company, whether made heretofore or hereafter, whenever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereto subscribed my name and affixed the corporate seals of the said Companies, this 31st day of August, 1993

[Signature]
 Assistant Secretary

EXTRACT FROM BY-LAWS OF FIDELITY AND DEPOSIT COMPANY OF MARYLAND

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and to affix the seal of the Company thereto."

EXTRACT FROM BY-LAWS OF COLONIAL AMERICAN CASUALTY AND SURETY COMPANY

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and to affix the seal of the Company thereto."

93 SB 368

BOND TO THE STATE OF KANSAS

STATUTORY PAYMENT BOND

BOND NO. 30503832

(G.S. Kan. 60-1111, as amended 1973)

KNOW ALL MEN BY THESE PRESENTS, That we UTILITY CONTRACTORS, INC.
P. O. Box 2079, Wichita, KS 67201

as Principal, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND

as Surety, are jointly and severally bound unto the State of Kansas in the sum of One hundred fifty six thousand twenty five and no/100 Dollars (\$ 156,025.00),
for the use and benefit of persons entitled thereto for which payment well and truly be made, we hereby bind ourselves, our successors, heirs and executors and administrators, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, THAT

WHEREAS, the said UTILITY CONTRACTORS, INC.
has entered into a written contract with the City of Wichita, Kansas, for certain work in connection with the
Water Supply Line to serve Sedgwick County Zoo and Addition
Proj. No. 448-88572(731239)
Wichita, Kansas, under date of August 31, 1993

NOW, THEREFORE, if the said Principal or the subcontractor or subcontractors of said Principal shall pay all indebtedness incurred for labor furnished, materials, equipment, or supplies used or consumed in connection with or in or about the construction of or in making such public improvement, this obligation shall be void; otherwise, it shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed and delivered this 31st day of AUGUST, 19 93.

UTILITY CONTRACTORS, INC.

BY: [Signature]
Larry E. Farfar Principal
Vice President

XXXXXX WITNESS:

[Signature]
Janis K. Peter

FIDELITY AND DEPOSIT COMPANY OF MARYLAND, Surety

By [Signature]
Roberta I. Hegman Attorney-in-fact
250 No. Water, Wichita, KS 67202

APPROVED AS TO FORM AND FILED

This 9 day of Sept. 19 93

Clerk of the District Court
18th Judicial District
Sedgwick County, Kansas

Approved and filed this _____ day of _____

By [Signature]

Clerk of the District Court,
Sedgwick County, Kansas



FIDELITY AND DEPOSIT COMPANY OF MARYLAND
 COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
 HOME OFFICES, BALTIMORE, MD. 21203

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, corporations of the State of Maryland, by C. M. PECO, JR., Vice-President, and C. W. ROBBINS, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2 of the respective By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute and appoint W. C. Cohen, Jr., Joe E. Moddrell, Jr., Joseph C. Lukens, II, Scott T. Post, Richard K. Stone, Roberta I. Heorman, Bret S. Burton and Judy K. Lynch, all of Wichita, Kansas, EACH, the true and lawful agent and Attorney-in-Fact of each, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed any and all bonds and undertakings, EXCEPT bonds on behalf of Independent Executors, Community Survivors and Community Guardians.

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the respective Companies at their offices in Baltimore, Md. in their own proper persons. This power of attorney revokes that issued on behalf of W. C. Cohen, Jr., et al, dated, October 4, 1991.

IN WITNESS WHEREOF, the said Vice-Presidents and Assistant Secretaries have hereunto subscribed their names and affixed the Corporate Seals of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY this 1st day of January, A.D. 1992.

ATTEST

FIDELITY AND DEPOSIT COMPANY OF MARYLAND



C. W. Robbins
 Assistant Secretary

By

C. M. Peco, Jr.
 Vice President

COLONIAL AMERICAN CASUALTY AND SURETY COMPANY



C. W. Robbins
 Assistant Secretary

By

C. M. Peco, Jr.
 Vice President

STATE OF MARYLAND /
 CITY OF BALTIMORE / ss

On this 1st day of January, A.D. 1992, before the subscriber, a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and qualified, came the above-named Vice-Presidents and Assistant Secretaries of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, to me personally known to be the individuals and officers described herein and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself deposed and said, that they are the said officers of the Companies aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal of the City of Baltimore, the day and year first above written.



Carol J. Fader
 Notary Public

CAROL J. FADER

My commission expires August 1, 1992

CERTIFICATE

I, the undersigned Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate, and I do further certify that the Vice-Presidents who executed the said Power of Attorney were Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact as provided in Article VI, Section 2 of the respective By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY.

This certificate may be signed by facsimile under and by authority of resolutions of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 16th day of July, 1969 and of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of December, 1991.

RESOLVED: That the facsimile or mechanically reproduced signature of any Assistant Secretary of the Company, whether made heretofore or hereafter, whenever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 31st day of August, 1993.

076-6692

J. Gregory Hamilton
 Assistant Secretary

EXTRACT FROM BY-LAWS OF FIDELITY AND DEPOSIT COMPANY OF MARYLAND

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and to affix the seal of the Company thereto."

EXTRACT FROM BY-LAWS OF COLONIAL AMERICAN CASUALTY AND SURETY COMPANY

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and to affix the seal of the Company thereto."

CERTIFICATE OF COMPLETION

Owner's Project No. 448-88572
Index Number 731588
Project Water Supply Line to serve Sedgwick County Zoo 2nd Addition (east of Ridge, south of 21st Street North)
Contractor Utility Contractors, Inc.
Contract Date 93 08 31

DEFINITION OF COMPLETION

The date of completion of a project is the date when the construction is completed, in accordance with the contract documents, so that the project can be utilized for the purpose for which it was intended.

To Utility Contractors, Inc.
CONTRACTOR

Date of Completion 93 12 10

The work performed under this contract has been inspected by authorized representatives of the Owner, Contractor, and Engineer and the Project is hereby declared to be completed on the above date.

The date of Completion is the date upon which all guarantees and warranties begin.

The responsibilities between the Owner and the Contractor for maintenance shall be as set forth in the specifications.

PROFESSIONAL ENGINEER SEAL/SIGNATURE

DATE

1/21/94

DLP/dlp

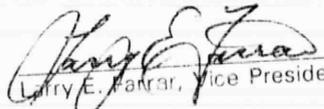
JAN 25 1994

CONTRACTOR'S REQUEST FOR FINAL PAYMENT

To: Rod Loomis, City Engineer's Office
Project: Water Supply Line to serve Sedgwick County Zoo 2nd Addition
(east of Ridge, south of 21st Street North).
Project No: 448-28572 (731588)
UCI Job No: 13271
Construction Completion Date: December 10, 1993

UTILITY CONTRACTORS, INC.

Date: April 18, 1994


Larry E. Farrar, Vice President

CERTIFICATE OF COMPLETION

Owner's Project No. 448-88572
Index Number 630293
Project A portion of 20" Water Line crossing 21st Street at Ridge Road (21st Street North and Ridge Road)
Contractor Utility Contractors, Inc.
Contract Date 93 08 31

DEFINITION OF COMPLETION

The date of completion of a project is the date when the construction is completed, in accordance with the contract documents, so that the project can be utilized for the purpose for which it was intended.

To Utility Contractors, Inc.
CONTRACTOR

Date of Completion 93 12 10

The work performed under this contract has been inspected by authorized representatives of the Owner, Contractor, and Engineer and the Project is hereby declared to be completed on the above date.

The date of Completion is the date upon which all guarantees and warranties begin.

The responsibilities between the Owner and the Contractor for maintenance shall be as set forth in the specifications.

PROFESSIONAL ENGINEER SEAL/SIGNATURE

DATE

Lawrence Schaller
1/2/94

DLP/dlp

JAN 26 1994

THE CITY OF WICHITA



DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4501

May 11, 1993

Mr. Ken Arnold
Capital Projects Director
Suite 502
510 N. Main
Wichita, Kansas 67202

SUBJECT: Utility Easement

Dear Mr. Arnold:

Enclosed you will find the form requesting a 20 foot utility easement along the 4H Property at 21st Street and Ridge Road.

Please have the form signed and recorded and return a copy to me for our records.

Should you have any questions, please call me at 268-4450.

Sincerely,

Rob Younkin, P.E.
Civil Engineer II

RY:bjm

Enclosure

EASEMENT

THIS EASEMENT made this _____ day of _____, 19____, by and between _____ of the first part and the City of Wichita, of the second part.

WITNESSETH: That the said first part _____, in consideration of the sum of One Dollar (\$1) and other valuable consideration, the receipt whereof is hereby acknowledged, do hereby grant and convey unto the said second party perpetual right of way and easement for the purpose of constructing, maintaining, and repairing sewer and all other public utilities, over, along and under the following described real estate situated in Sedgwick County, Kansas, to wit:

The west 20 feet of the north 620 feet of Lot 7, Block A, Sedgwick County Zoo 2nd Addition.

And said second party is hereby granted the right to enter upon said premises at any time for the purpose of constructing, operating, maintaining, and repairing such sewer and all other public utilities.

IN WITNESS WHEREOF: The said first part _____ ha__ signed these presents the day and year first written.

STATE OF KANSAS)
SEDGWICK COUNTY) §

Personally appeared before me a notary public in and for the county and State aforesaid _____

to me personally known to be the same person__ who executed the foregoing instrument of writing and said person__ duly acknowledged the execution thereof.

Dated at Wichita, Kansas this _____ day of _____, 19____.

Notary Public

(My Commission expires _____)

DEC:90881w

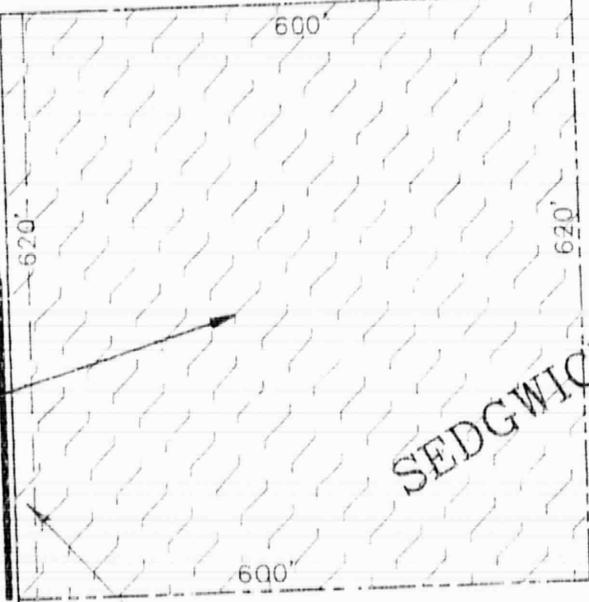


21ST ST. NO.

*Exposed
water line*

*Improvement
District*

1/2 E ROAD



SEDGWICK COUNTY

2 (A)

2ND ADDITION



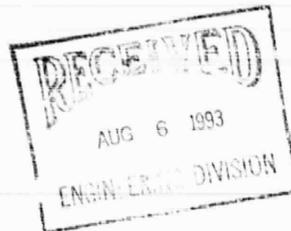
SEDGWICK COUNTY, KANSAS

BUREAU OF PUBLIC SERVICES

1250 S. BENEDA
WICHITA, KANSAS 67213-1408
TELEPHONE 383-7901
FAX 263-9241

August 4, 1993

The City of Wichita
455 N. Main
Wichita, KS 67202



Gentlemen:

We are enclosing for your files an executed copy of the Utility Permit Agreement granted by the Board of County Commissioners, authorizing you to locate, construct, operate, maintain, or remove as per the enclosed application.

This application is filed in the Office of the Director, Bureau of Public Services, and is subject to the usual requirements.

PLEASE CONTACT DARELL PRESTON BY TELEPHONE AT (316) 383-7901 OR BY FAX AT (316) 263-9241 UPON COMPLETION OF WORK TO ARRANGE FOR FINAL INSPECTION. YOUR GUARANTEE AND MAINTENANCE OF CONSTRUCTION AREAS WILL REMAIN IN EFFECT UNTIL WRITTEN NOTIFICATION OF COMPLETION OF CONSTRUCTION IS RECEIVED.

Sincerely,

Kevin L. Nash,
Sr. Administrative Officer

KLN/jmw

enclosures

#120

SEDGWICK COUNTY BUREAU OF PUBLIC SERVICES

White: Maint Dept
Yellow: Township
Pink: County Engineer
Gold: Petitioner

PERMIT NO. 058-1
ROAD NO. 317-N
TOWNSHIP _____

UTILITY PERMIT AGREEMENT USE OF PUBLIC ROAD RIGHT-OF-WAY

THIS AGREEMENT, made and entered into this _____ day of _____, 19____, by and between the Board of County Commissioners of Sedgwick County, hereinafter referred to as "County", and the City of Wichita, Department of Water and Sewer hereinafter referred to as the "Owner", being a public or private utility organization, _____, as the Agent, Lessee or

Contractor of the Owner, hereinafter referred to as the "Agent". The Owner (being a public or private utility organization), and Agent are hereinafter referred to collectively as the "Petitioner", where both are applicable, otherwise Petitioner shall refer to the Owner.

WHEREAS, it is in the interest of the Citizens of Sedgwick County, to permit certain work or projects to be performed upon County or Township rights-of-way, and

WHEREAS, the Owner and/or Agent requests permission and authority from Sedgwick County to perform certain work, related to installation, operation, maintenance, or removal of the Owner's public utility facilities, described as follows:

Constructing 18" and 20" water lines in 21st Street North (614) and along Rice Road (811) from 21st to approximately 750 feet south of 21st.

involving county or Township right-of-way in, upon or along Road No. _____, Township 27S, Range 1E, Section 9, of subdivision Sedgwick County Zoo 2nd Addition, Block _____, Lots) _____, in Sedgwick County, Kansas

NOW, THEREFORE, in consideration of the permission granted hereunder by the Board of County Commissioners to utilize County or Township road rights-of-way in the manner described aforementioned, the Petitioner agrees to the following terms and conditions:

1.0 PLANS: Petitioner shall furnish to the Bureau of Public Services one (1) set of comprehensive plans and/or sketches, 8 1/2" x 11" or larger, of the proposed work.

1.1 Plans for utility installations must include a description of the size, type and method of installation for the proposed facilities to be located within road rights-of-way, and adequate sketches to indicate the location of the proposed installation with respect to the traveled way of the road, the rights-of-way lines and, where applicable, the control of access lines.

1.2 Plans for utility work (other than installation) shall include location and method of work, and location of other utility lines in the project work area.

2.0 MATERIAL AND METHODS: All requests to perform work in, upon and along County and Township rights-of-way must be approved by the County Engineer and/or Township Official.

2.1 The Petitioner shall furnish all material, do all work and pay all costs for the work described on this permit.

2.2 All utility installations shall comply with the conditions and requirements of the "Utility Accommodation Policy of the Sedgwick County Bureau of Public Services".

2.3 All materials and construction methods used on work within the limits of the right of way shall be equal to or better than that required by the Kansas Department of Transportation Standard Specifications for Road and Bridge Construction, current edition.

3.0 OBSTRUCTIONS OF TRAFFIC: Petitioner agrees that highway traffic will be free of interference unless specifically provided for as a part of this Permit. Traffic protection shall be in accordance with the "Manual on Uniform Traffic Control Devices", current edition.

4.0 RIGHT-OF-WAY: Petitioner agrees to restore said right-of-way to the condition existing prior to approval of the work described on this Permit.

4.1 Any sod, shrubs or trees destroyed by this work shall be replaced as directed by the County Engineer/Township Official.

4.2 The right of way shall be kept free from parking, advertising signs or any other commercial activity.

4.3 The Petitioner shall restore the original configuration all ditches, slopes, embankments and fills within the right-of-way.

5.0 MAINTENANCE: All utility installations shall be maintained or caused to be maintained by the Owner.

6.0 BOND: (Check either 6.1 or 6.2).

6.1 A check or other suitable bond, in the amount of _____ dollars (\$ _____), made payable to Sedgwick County, shall be deposited with this Permit guarantee satisfactory performance of the conditions of this Permit.

6.2 A standing bond has been filed with the Bureau of Public Services and approved by the County Legal Counselor with _____ in the amount of _____ dollars (\$ _____).

6.3 Petitioner agrees that if a check or bond, if filed pursuant to paragraph 6.1 or 6.2, said check or bond will be forfeited or called if Petitioner fails or refuses to perform the work required under this Permit to the satisfaction of the County Engineer and/or Township Official.

6.4 The County Engineer and/or Township Official agrees that upon satisfactory compliance with all conditions of this Permit, said check or bond will be released.

7.0 INITIATION AND COMPLETION OF WORK: PETITIONER AGREES TO NOTIFY THE COUNTY ENGINEER, TOWNSHIP OFFICIAL AND UTILITY COMPANIES WITHIN THE PROJECT AREA, AT LEAST 24 HOURS BEFORE THE WORK IS INITIATED AND AGAIN WITHIN FIVE (5) DAYS OF WHEN THE WORK IS COMPLETED. All work under this Permit is subject to the supervision and satisfaction of the County Engineer/Township Official. Petitioner will at all times comply with and abide by all rules, notices and regulations of the County Engineer.

7.1 All work pursuant to this Permit shall be completed within one hundred twenty (120) calendar days of APPROVAL DATE, otherwise this Permit is null and void.

7.2 An approved signed copy of this permit shall be on the premises before and during the period any work is performed.

7.3 _____

7.4 _____

7.5 _____

7.6 _____

7.7 _____

7.8 _____

7.9 _____

PERMIT NO. _____
ROAD NO. _____
TOWNSHIP _____

8.0 LIABILITY: The Petitioner, his accessor, or assigns, shall and does hereby assume all risk and liability for accidents and damages that may occur to persons or property on account of this work, and shall and does hereby indemnify and hold Sedgwick County harmless from any and all costs, liabilities, expenses, suits, judgments or damages to persons or property or claims of any nature whatsoever arising out of or in connection with this Permit, or the Operation and performance thereunder by the Petitioner, his agents, employees, or subcontractors.

8.1 The Petitioner shall carry liability insurance to protect the public from injuries by reasons of the carrying on of work to which this Permit applies and to protect Sedgwick County from all liability on account of injuries to workmen, as provided by law, and to protect Sedgwick County from all liabilities to any person for damages sustained by reason of the carrying on of this work to which this Permit applies.

8.2 The Petitioner agrees, to file with the County Clerk prior to the granting of this Permit, "Certificates of Insurance" or other evidence to show that he carries Workmen's Compensation Insurance, Employer's Liability Insurance, Standard Form Comprehensive Public Liability and Property Damage Insurance, and Comprehensive Automobile Owned, Nonowned and Hired Insurance as recognized by the Commissioner of Insurance of the State of Kansas. All insurance coverages are to be \$500,000.00.

8.3 The certificates of insurance shall name the Board of County Commissioners of Sedgwick County, Kansas, as an additional insured.

8.4 "Certificates of Insurance" shall include a clause requiring the insurer to notify the County Clerk ten (10) days in advance of any cancellation or change in insurance contracts.

8.5 Insurance as herein required shall be maintained in force until final release of the Petitioner by the County Engineer and or Township Official from all obligations under the terms of the Permit. Said insurance contract shall cover claims for such length of time as said claims are permitted by law.

9.0 ROAD IMPROVEMENTS: In the event the County Engineer and or Township Official deem it necessary or proper to make any alteration or improvement along or upon the road right-of-way which is the subject of this Permit, the Petitioner agrees to hold the County or the Township harmless for any and all damage or injury to said Petitioner's construction, whether finished or unfinished, as well as damage or injury to said Petitioner's equipment, materials, employees, agents or contractees, and the petitioner further agrees that within a reasonable time after written notice from the County Engineer and or Township Official and without cost or expense to Sedgwick County, that he will alter, change the location of, or move his construction work.

9.1 Petitioner agrees that the work approved on this Permit will be conducted in such a manner so as not to interfere with construction or other work being performed by the Bureau of Public Services or its contractors in the vicinity of the Petitioner's work or project.

9.2 PETITIONER SHALL BE AND HEREBY IS RESPONSIBLE FOR LOCATING AND SAFEGUARDING ANY OTHER EXISTING UTILITY LINES WITHIN THE PROJECT AREA.

10.0 This Permit, and the rights, duties, and liabilities incidental hereto, may not be assigned or otherwise transferred by the Petitioner without the consent of the Board of County Commissioners.

APPROVED THIS _____ DAY OF _____, 19____

RECOMMENDED BY:

BOARD OF COUNTY COMMISSIONERS OF SEDGWICK COUNTY KANSAS

ATTEST

APPROVED AS TO FORM ONLY

PETITIONER

WORK COMPLETED

Phone _____ Date _____

DATE

Name, Agent, License or Contractor

WORK APPROVED

Robert A. Younkis, P.E.

DATE

Civil Engineer

Title _____ Date _____

2015 19
(REV 10 07)

PS-130B

BOND AND CERTIFICATE OF INSURANCE
TO BE HELD BY THE CITY OF WICHTA

OCT 11, 1993

W.L. SEDGWICK CO. 448-88572
Zoo 2ND ADD. (731588)

1/1

MEETING ON SITE

1:30pm.

RE: WATER VALTS & ENTRANCE CROSSING

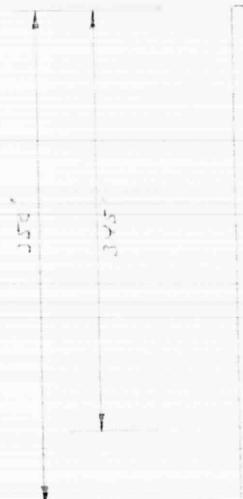
DON GRAY	CONCO	943-7111
WAYNE WARKLER	CONCO	943-7111
KEN ARNOLD	COUNTY	383-8002
Rob YOUNG	CITY	268-4450
DENNIS SMITH	LOCKINGDOM ARCH.	268-0238
CRAIG NELSON	CONCO	943-7111
OTHER UTILITY CONTRACTOR REPS		

- RESOLUTION :
1. WATER VALTS TO BE MOVED 4ft OFF
R IN 20ft UTILITY EASEMENT.
 2. ENTRANCE - CG TO BE REMOVED BY U.C.
CONCO TO REPLACE CG.

3/10/93

300 Services

31st



4" Water Service

8" Fire Service

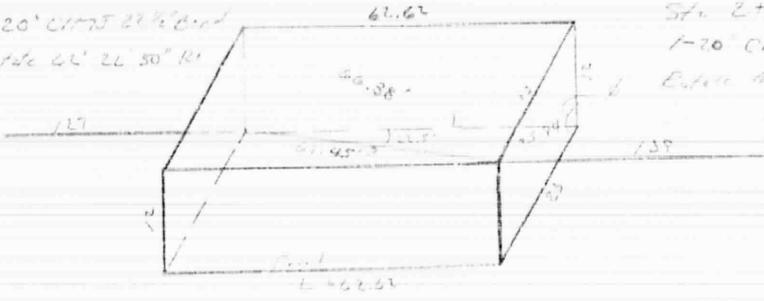
Edge

1-12" CIVIL 45' out

2' off R

B Sta 53+30.5, 44.67
 Sta 1+65
 1-20' CURT 22 1/2° Bend
 Elev 42' 26' 50" R1

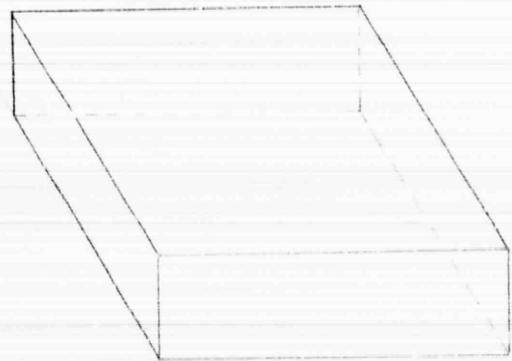
B Sta 53+99.12, 67.21
 Sta 2+31.38
 1-20' CURT 22 1/2° Bend
 Elev 42' 26' 50" L1



Tan 22.5° = 25.94 / L
 L = 62.62

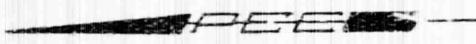
Tan 22.5° = 25.94 / L
 L = 62.62

25.94



25.94





Sta 49+00 Remove
4'x2'x34.7' RCB

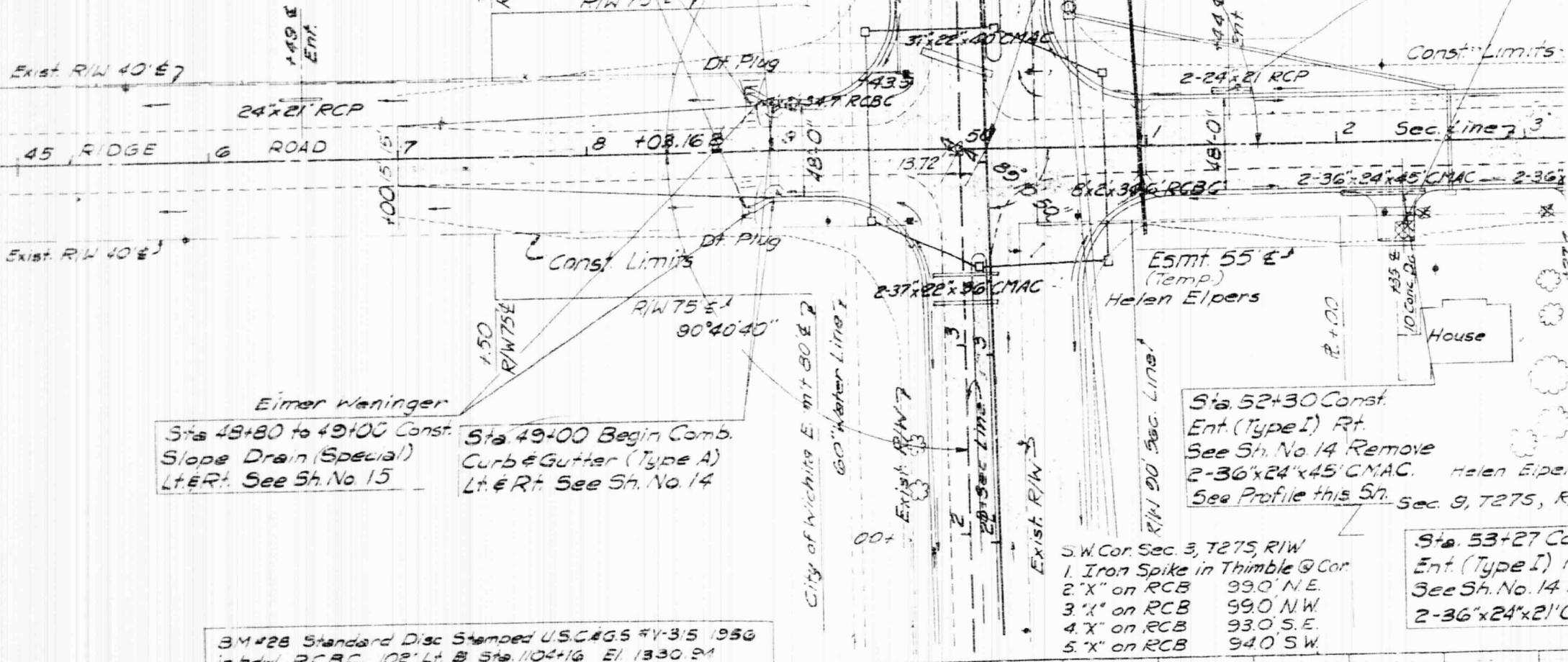
Kessler Bros. Inc.
5 1/2, SW 1/4 Sec.

Sta 48+90 Eradicate
Dt. Plug Lt. & Rt.

Sta 50+90 Remove
8'x2'x34.6' RCB

Sedg. Co.
Sec. 10, T275, R/W

Sta. 51+44 Remove
2-24"x21" RCP Lt.



Eimer Waninger

Sta 49+80 to 49+00 Const.
Slope Drain (Special)
Lt. & Rt. See Sh. No. 15

Sta 49+00 Begin Comb.
Curb & Gutter (Type A)
Lt. & Rt. See Sh. No. 14

Sta. 52+30 Const.
Ent. (Type I) Rt.
See Sh. No. 14 Remove
2-36"x24"x45' CMAC. Helen Eiper
See Profile this Sh. Sec. 9, T275, R

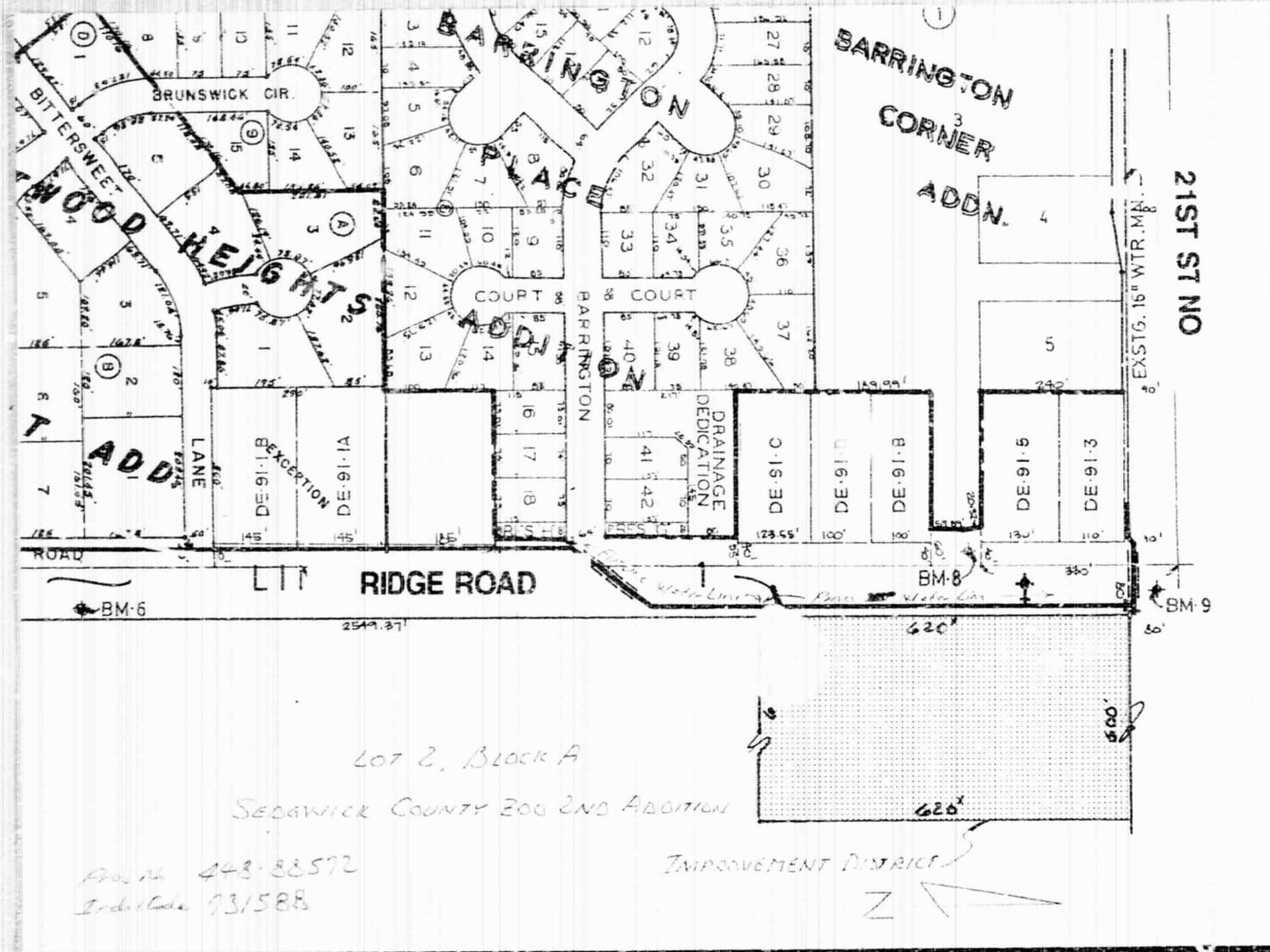
Sta. 53+27 Co
Ent. (Type I) R
See Sh. No. 14 R
2-36"x24"x21' C

- SW. Cor. Sec. 3, T275, R/W
- 1. Iron Spike in Thimble @ Cor.
 - 2" X on RCB 99.0' N.E.
 - 3" X on RCB 99.0' N.W.
 - 4" X on RCB 93.0' S.E.
 - 5" X on RCB 94.0' S.W.

3M #28 Standard Disc Stamped U.S. C&G S #V-315 1956
in h/w R.C.B.C. 102' Lt @ Sta. 1104+16 El. 1330.24

C.E.G. 1329.72 BK S.W. = R
1329.72 1329.72

Match Exis
42' R/W



LOT 2, BLOCK A
 SEDGWICK COUNTY 200 2ND ADDITION

APC No 448-88572
 Index Code 931588

IMPROVEMENT DISTRICT



INDEX OF SHEETS

448-88572

WATER DISTRIBUTION SYSTEM NUMBER 448-88572
(EAST OF RIDGE, SOUTH OF 21ST)
INDEX NO. 731588

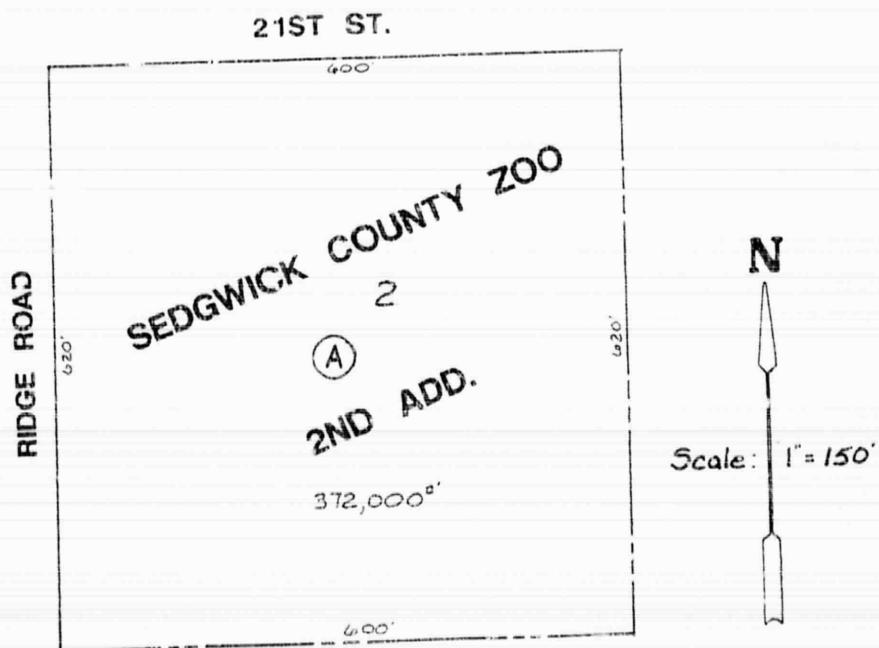
448-88572

Square Foot

LKP

1-27-94

EK ROL 1-28-94



WICHITA WINWATER WORKS Co.

3612 S. WEST STREET, WICHITA, KS 67217
1-800-530-5042
PHONE (316) 522-8900 FAX (316) 522-1472

Date: 10-12-93

Project Name: Sedgwick County Zoo Waterline 448-88572

Location: 21st & Ridge Road

Bid Date: 8-20-93

Contractor: Utility Contractors, Inc.

Pipe Manuf. Diamond

To whom it may concern,

We hereby certify that we are supplying pipe for this project
as per the attached manufacturers certification.

Sincerely,

Mike Freed

Wichita Winwater Works Co.

JAN 18 1994

WICHITA WINWATER

3165221472

P. 01

01/14/94 13:09

316 384 9345

DIAMOND PLASTICS

001

Corporate &
Sales Office

1212 Johnstown Road
P.O. Box 176R
Grand Island, Nebraska 68802
Telephone: (408) 384-1400
Fax: (408) 384-9345

DIAMOND  PLASTICS
CORPORATION

Manufacturing Plant:

1212 Johnstown Road
Grand Island, Nebraska 68802
Telephone: (408) 384-4400

2312 Marshall Street
Lubbock, Texas 79415
Telephone: (806) 763-8021

7614 Industrial Highway
Mission, Georgia 31206
Telephone: (912) 788-1300

January 14, 1994

FAX 316-522-1472
Wichita WinWater
3612 S. West St.
Wichita, KS 67217

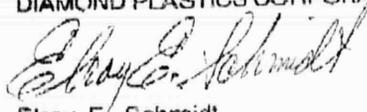
To Whom it May Concern:

In response to your request for Manufacturer's Certification of Compliance for potable water pipe, please be informed that Diamond 14", 16", 18", 20", and 24" CI dimension PVC pipe bears the mark of NSF International and Underwriters Laboratory Listing #92RT908. Diamond CI dimension PVC potable water pipe meets all the physical, dimensional, and performance requirements of AWWA C905. Hydr static testing is conducted in accordance with AWWA C905, ASTM D1698, and (quick burst) ASTM D1599. Quality of extrusion is tested in accordance with ASTM D2152, and ASTM D2412. Integral couplings are formed per ASTM D3139, and the gaskets meet the criteria of ASTM F477.

If we may be of further assistance in this matter, please contact us at the Grand Island office.

Sincerely,

DIAMOND PLASTICS CORPORATION



Elroy E. Schmidt,
Director of Technical Services

October 19, 1993

Interstate Mechanical
1834 S. St. Clair
Wichita, Kansas 67213

Re: 3-inch Domestic Service for 2nd St & Ridge Rd.
County Extension Building

Dear Boyd:

I was unable to locate the dimensions you requested for a 3-inch meter setting. However, if you would call Joe Botinelly, Superintendent of Water Distribution, I am sure he could supply you with this information. Mr. Botinelly can be reached at 268-4908.

The following options are available for the 3-inch meter for the 4-H County Extension Building:

1.	4-inch service line and 3-inch meter installation with 2-inch by-pass meter (all brass material).	\$1,971.00
2.	3-inch meter} Installed by Water Dept.	467.20
	2-inch meter} Installed by Water Dept.	<u>322.50</u>
	Total	\$789.70

Whichever option you choose, the check must be sent to Wichita Water and Sewer Department, 455 North Main, 3rd floor, System Planning and Development, c/o Chuck Steven.

If you have any questions, please call me at 268-4555.

Sincerely,



Chuck Steven,
Engineer Technician I

Wichita, Kansas
February 15, 1994
448-88572
Index Code 731588
470235
PE \$65,000.00

Twila Nelson
Special Assessments Coordinator
Wichita, Kansas

Dear Madam:

Following is the cost of Water Supply Line to serve Sedgwick County
Eoo 2nd Addition.

Lump Sum Contract Amount	\$	114,300.00
Measured Items		0.00
Change Orders, Liquidated Damag: etc.		0.00
CAD Surcharge		5,715.00
Engineering and Inspection		8,539.95
Administration		1,361.00
Publication		64.05
Abstra.		20.00
<hr/>		
Construction Co	\$	130,000.00
Idle Fund Interest Est.		485.00
Temp. Financing		0.00
Temp. Financing Estimated		1,567.00
<hr/>		
Total Cost -	\$	132,072.00

Respectfully submitted,


Mike Lindebak, City Engineer

PROPERTY: - \$53,327.00
CITY: - \$78,745.00 (Water Dept. Water
Utility Improvement Funds)

Aug. '94
Chesn'

Wichita, Kansas
April 30, 1994
448-88572
Index Code 620293

Shawn Henning
Controller
Wichita, Kansas

Dear Madam:

FINAL ESTIMATE in favor of Utility Contractors, Inc. (P.O. Box 2079, Wichita, KS 67201), for constructing a portion of 20" Water Line crossing 21st Street at Ridge Road (21st Street North and Ridge Road) has been completed as per plan. Final cost of construction is as follows.

Lump Sum Contract Amount	\$ 41,725.00
Measured Items:	9.00
Change Orders, Liquidated Damages, etc.	1.00
Total of Work Completed/Authorized for Payment	\$ 41,725.00
Less Previous Partial Estimate(s)	36,408.75
FINAL PAYMENT DUE	\$ 5,316.25

Respectfully submitted,

Mike Lindebak, P.E.
City Engineer

Let 8-31-93

Wichita, Kansas
April 26, 1994
448-88572
Index Code 731588

Shawn Henning
Controller
Wichita, Kansas

Dear Madam:

FINAL ESTIMATE in favor of Utility Contractors, Inc. (P.O. Box 2079, Wichita, KS 67201), for constructing Water Supply Line to serve Sedgwick County Zoo 2nd Addition (east of Ridge, south of 21st Street North) has been completed as per plan. Final cost of construction is as follows.

Lump Sum Contract Amount	\$ 114,300.00
Measured Items:	0.00
Change Orders, Liquidated Damages, etc.	0.00
Total of Work Completed/Authorized for Payment	\$ 114,300.00
Less Previous Partial Estimate(s)	97,185.00
FINAL PAYMENT DUE	\$ 17,115.00

Respectfully submitted,

Mike Lindebak, P.E.
City Engineer

Let 8-31-93

FINAL SUMMARY

CONTRACTOR: UTILITY CONTRACTORS, INC.
 WHAT: WATER
 WHERE: A PORT. ON OF 20" WATER LINE CROSSING
 21ST STREET AT RIDGE ROAD
 PROJECT NO.: 448-88572
 INDEX NO.: 630293
 ENGINEER'S ESTIMATE: \$54,000.00
 BID TOTAL: \$41,725.00

BID ITEMS	BID QUANTITY	UNIT PRICE	APPROVED QUANTITY	TOTAL
20" PIPE	179 LF	45.00	179	\$8,055.00
16" PIPE	29 LF	80.00	29	\$2,320.00
20" ANC VALVE ASSEMBLY	1 EA	2800.00	1	\$2,800.00
16" ANC VALVE ASSEMBLY	1 EA	2100.00	1	\$2,100.00
FIRE HYDRANT ASMBLY	1 EA	2400.00	1	\$2,400.00
2" BLOWOFF ASMBLY	1 EA	300.00	1	\$300.00
FURNISH & INSTALL STEEL CASING PIPE BY BORING	110 LF	185.00	110	\$20,350.00
SITE CLRG & RESTORATION	1 LS	3400.00	1	\$3,400.00

FINAL DAY CHARGED 11/23/93

FINAL ACCEPTANCE DATE 12/10/93

APPROVED

[Signature]
 AREA ENGINEER

[Signature]
 CONSTRUCTION ENGINEER

[Signature]
 CONTRACTOR

CONSTRUCTION SUBTOTAL \$41,725.00
 PAID THROUGH PARTIAL 2 \$36,438.75
 DEFECTS OR \$0.00
 LIQUIDATED DAMAGES \$0.00
 TOTAL AMOUNT DUE \$5,316.25

WORKING DAYS
 CHARGED 3
 ALLOTTED 40

JAN 14 1994

1033

FINAL SUMMARY

CONTRACTOR: UTILITY CONTRACTORS, INC.
 WHAT: WATER
 WHERE: WATER SUPPLY LINE TO SERVE SEDGWICK
 COUNTY ZOO 2ND ADDITION
 PROJECT NO.: 448-88572
 INDEX NO.: 731588
 ENGINEER'S ESTIMATE: \$109,187.00
 BID TOTAL: \$114,300.00

BID ITEMS	BID QUANTITY	UNIT PRICE	APPROVED QUANTITY	TOTAL
20" PIPE	614 LF	110.00	614	\$67,540.00
20" DIOD SJ PIPE	5 LF	120.00	5	\$600.00
16" PIPE	180 LF	45.00	180	\$8,100.00
16" DIOD SJ PIPE	2 LF	120.00	2	\$240.00
20" VALVE ASSEMBLY	1 EA	2500.00	1	\$2,500.00
20" VALVE ASSEMBLY	1 EA	3000.00	1	\$3,000.00
8" ANO VALVE ASSEMBLY	1 EA	1000.00	1	\$1,000.00
4" ANO VALVE ASSEMBLY	1 EA	500.00	1	\$500.00
FIRE HYDRANT ASMBLY	1 EA	2500.00	1	\$2,500.00
FURNISH & INSTALL STEEL CASING	102 LF	160.00	102	\$16,320.00
PIPE BY BORING	1 LS	12000.00	1	\$12,000.00
SITE CLRG & RESTORATION				

FINAL DAY CHARGED 11/23/93 CONSTRUCTION SUBTOTAL \$114,300.00
 PAID THROUGH PARTIAL 2 \$97,185.00
 FINAL ACCEPTANCE DATE 12/10/93 DEFECTS OR \$0.00
 LIQUIDATED DAMAGES \$0.00
 APPROVED TOTAL AMOUNT DUE \$17,115.00

AREA ENGINEER *[Signature]*
 CONSTRUCTION ENGINEER *[Signature]*
 CONTRACTOR *[Signature]*

WORKING DAYS
 CHARGED 36
 ALLOTTED 40

JAN 14 1994

Sc done
 7024

FUND
 SUBFUND
 PROGRAM
 BEGIN DATE
 DESCRIPTION

Original Total
 Administrative Revisions
 Legislative Revisions
 Prior Year Exp. Transfer
 Total Appropriation

\$128,381.66

Available Appropriation

Press F1 to return to menu screen, F2 for help, F3 for next record,
 or F10 to exit

Idle fund int
 Thru Dec 93 = \$ 208
 est Jan 94 = \$ 277
 (111,000)(1 mo)(2%)

TNx
 2-1-94 to 8-1-94
 (-5)(127,000)(2.5%) = \$ 1587

Cost split:

	Fund cost	City cost	Total
Const Cost	52,490.00	77,510.00	130,000.00
Financing	837.00	1335.00	2072.00
Total	53,327.00	78,745.00	132,072.00

Note:
 Was not able to charge
 full 2.1% admin.

AS OF 12/31/93

CITY OF WICHITA
DETAILED TRANSACTIONS BY PROJECT

FAMIS150
FAMIS UPDATE NO 1.550

12 FISCAL MONTH
NI-5

PROJECT DEP SEC INDEX	470235 WDS 200 2ND ADDN NEW JH	TRANS DATE	DOCUMENT	VENDOR	POSTED NUMBER	REF NO	NUMBER	VENDOR NAME	BUDGET	EXPENDITURE	ENCUMBRANCES
13 93 05	731588 1100 301	12/23/93	PV53579D	PY21793	0000000				63.79		
13 93 05	731588 1100 301	01/07/94	PV54274C	PY123193	0000000				161.48		
13 93 05	731588 1400 305	12/23/93	PV52603G	PY123193	0000000				11.85		
13 93 05	731588 1400 305	01/07/94	PV54296J	PY123193	0000000				5.14		
13 93 05	731588 1401 305	12/23/93	PV53693V	PY123193	0000000				15.19		
13 93 05	731588 1401 305	01/07/94	PV54383B	PY123193	0000000				1.37		
13 93 05	731588 1403 305	12/23/93	PV53622G	PY123193	0000000				3.95		
13 93 05	731588 1403 305	01/07/94	PV54314M	PY123193	0000000				.08		
13 93 05	731588 1404 305	12/23/93	PV53675X	PY123193	0000000				.16		
13 93 05	731588 1404 305	01/06/94	PV54365W	PY123193	0000000				12.78		
13 93 05	731588 1405 305	01/07/94	PV54331I	PY123193	0000000				.11		
13 93 05	731588 1406 305	12/23/93	PV53656Z	PY123193	0000000				.12		
13 93 05	731588 1406 305	01/06/94	PV54347Y	PY123193	0000000				7,448.00	7,448.00	
13 93 05	731588 2505 213 P	12/08/93	PV38221A	P029563A	020187	UTILITY CONTRACT			71.50		
13 93 05	731588 2505 213 P	12/08/93	PV38221A	P029563A	020187	UTILITY CONTRACT					
13 93 05	731588 5306 450	12/30/93	JW03172D		0000000				7,796.17	7,448.00	
TOTAL Index Code 731588									7,796.17	7,448.00	
TOTAL SECTION 05									7,796.17	7,448.00	
TOTAL DIVISION 93									7,796.17	7,448.00	
TOTAL DEPARTMENT 13									7,796.17	7,448.00	
TOTAL PROJECT 470235									7,796.17	7,448.00	

CITY OF WICHITA
DETAILED TRANSACTIONS BY PROJECT

FAMIS150
FAMIS UPDATE NO 1,496

AS OF 10/31/93

10 FISCAL MONTH

PROJECT DEP SEC INDCX	470235 MUS ZDD 2M	ADON NEW 411	DOCUMENT	DOCUMENT	VENDFG	NI-E	POSTED	NUMBER	REF NO	VENDOR NAME	BUDGET	EXPENDITURE	ENCUMBRANCES
DEP SEC INDCX	TRANS DATE	TRANS DATE	NUMBER	NUMBER	NUMBER								
13 93 05 731588	1100 301	10/13/93	PV51808K	PY100893	000000						836.92		
13 93 05 731588	1100 301	10/28/93	PV52228L	PY102293	000000						454.73		
13 93 05 731588	1300 301	10/13/93	PV51808L	PY100893	000000						71.75		
13 93 05 731588	1301 301	10/13/93	PV51808H	PY100893	000000						37.90		
13 93 05 731588	1400 305	10/13/93	PV51803B	PY100893	000000						72.60		
13 93 05 731588	1400 305	10/13/93	PV52253C	PY102293	000000						34.88		
13 93 05 731588	1401 305	10/28/93	PV51926Q	PY100893	000000						75.63		
13 93 05 731588	1401 305	10/14/93	PV52311F	PY102293	000000						45.37		
13 93 05 731588	1403 305	10/14/93	PV51852X	PY100893	000000						23.74		
13 93 05 731588	1403 305	10/28/93	PV52272W	PY102293	000000						11.27		
13 93 05 731588	1404 305	10/13/93	PV51908H	PY100893	000000						1.43		
13 93 05 731588	1404 305	10/28/93	PV52292T	PY102293	000000						.62		
13 93 05 731588	1405 305	10/14/93	PV51870V	PY100893	000000						96.99		
13 93 05 731588	1405 305	10/14/93	PV518680	PY100893	000000						75		
13 93 05 731588	2953 450	10/03/93	JV02619G								5,715.00		
13 93 05 731588	3193 260	10/14/93	CVR0474E								6.72		
13 93 05 731588	5308 450	11/04/93	JV02653F								1,577.40		
TOTAL INDEX CODE											731538	9,096.36	
TOTAL SECTION											05	9,096.36	
TOTAL DIVISION											93	9,096.36	
TOTAL DEPARTMENT											13	9,096.36	
TOTAL PROJECT											470235	9,096.36	

-----CURRENT MONTH CHANGES-----
 BUDGET EXPENDITURE ENCUMBRANCES

NI-E

BLUE PRINT

005046 CIT. BLUE PRINT

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CITY OF WICHITA
DETAILED TRANSACTIONS BY PROJECT

AS OF 08/31/93

-----CURRENT MONTH CHANGES-----

FAMIS150
FAMIS UPDATE NO 1.453

OR FISCAL MONTH

PROJECT 470235 WDS ZOO 2ND ADDN NEW 4H
DEP SEC INDEX TRANS DATE DOCUMENT VENDOR

N1-5

DTY	CODE	SUB	COPIE	POSTED	NUMBER	REF NO	NUMBER	VENDOR NAME	BUDGET	EXPENDITURE	ENCUMBRANCES
13	93	05	731588	1100	301	08/24/93	PY50380W	PY081393 000000	50.74	28.66	
13	93	05	731588	1100	301	09/02/93	PY50679F	PY082793 000000	3.44	3.44	
13	93	05	731588	1400	305	08/24/93	PY50406L	PY081393 000000	1.70	1.70	
13	93	05	731588	1400	305	09/07/93	PY50705Y	PY082792 000000	4.59	4.59	
13	93	05	731588	1400	305	08/24/93	PY30502Y	PY081393 000000	2.33	2.33	
13	93	05	731588	1401	305	09/02/93	PY50801P	PY082793 000000	1.14	1.14	
13	93	05	731588	1401	305	08/24/93	PY50427A	PY081393 000000	.57	.57	
13	93	05	731588	1403	305	09/02/93	PY50726B	PY082753 000000	.06	.06	
13	93	05	731588	1403	305	08/24/93	PY50484I	PY081393 000000	.04	.04	
13	93	05	731588	1404	305	09/02/93	PY50782Y	PY082792 000000	3.42	3.42	
13	93	05	731588	1404	305	08/24/93	PY50445C	PY081393 000000	2.87	2.87	
13	93	05	731588	1405	305	09/02/93	PY50744G	PY082793 000000	.10	.10	
13	93	05	731588	1405	305	08/24/93	PY50463I	PY081393 000000	31.90	31.90	
13	93	05	731588	1406	305	08/23/93	CV71555A	009046 CITY BLUE PRINT	87.15	87.15	
13	93	05	731588	3199	260	09/07/93	JW02121F	000000	218.71	218.71	
13	93	05	731588	5306	450						218.71

TOTAL Index Code 731588

TOTAL SECTION: 05

TOTAL DIVISION: 93

TOTAL DEPARTMENT: 13

TOTAL PROJECT: 470235

218.71

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CITY OF WICHITA
DETAILED TRANSACTIONS BY PROJECT

AS OF 07/31/93

FAMIS150
FAMIS UPDATE NO 1.432

07 FISCAL MONTH

PROJECT 470235 WDS 200 2ND ADDN NEW 4H NI-5
 DEP SEC INDEX TRANS DATE DOCUMENT VENDOR

DIV CODE SUB CODE POSTED NUMBER REF NO NUMBER VENDOR NAME
 13 93 05 731588 3199 260 07/14/93 CVO4717B 009045 CITY BLUE PRINT

TOTAL Index Code		731588	
TOTAL SECTION	05	14.54	
TOTAL DIVISION	93	14.54	
TOTAL DEPARTMENT	13	14.54	
TOTAL PROJECT	470235	14.54	

-----CURRENT MONTH CHANGES-----
 BUDGET EXPENDITURE ENCUMBRANCE
 14.54 14.54

CITY OF WICHITA
DETAILED TRANSACTIONS BY PROJECT

FAMIS150
FAMES UPDATE NO 1.387

AS OF 05/30/93

-----CURRENT MONTH CHANGES-----

PROJECT DEP SEC INDEX	470235	WDS ZOO 2ND ADDN NEW aH	NI-5	05 FISCAL MONTH	POSTED DATE	DOCUMENT	VENDOR	REF NO	NUMBER	VENDOR NAME	BUDGET	EXPENDITURE	ENCUMBRANCES
DIV CODE SUB CODE	13 93 05	731588 1100 301			05/13/93	PY478300	PY050793	000000			66.34		
	13 93 05	731588 1400 305			05/13/93	PY478541	PY050793	000000			5.08		
	13 93 05	731588 1401 305			05/13/93	PY479480	PY050793	000000			6.73		
	13 93 05	731588 1402 305			05/13/93	PY478741	PY050793	000000			1.66		
	13 93 05	731588 1403 305			05/13/93	PY47929Y	PY050793	000000			.10		
	13 93 05	731588 1404 305			05/13/93	PY47852G	PY050793	000000			2.73		
	13 93 05	731588 1405 305			05/13/93	PY47909Y	PY050793	000000			.14		
	13 93 05	731588 1406 305			05/13/93	AV85133A	022547	SEDGWICK COUNTY			65.00		
	13 93 05	731588 2539 260			05/13/93	JV01319K	000000				72.97		
	13 93 05	731588 5328 450			06/03/93						220.75		

TOTAL INDEX CODE	731588
TOTAL SECTION	C5
TOTAL DIVISION	93
TOTAL DEPARTMENT	13
TOTAL PROJECT	470235

TOTAL BUDGET	220.75
TOTAL EXPENDITURE	220.75
TOTAL ENCUMBRANCES	220.75