

GENERAL NOTES

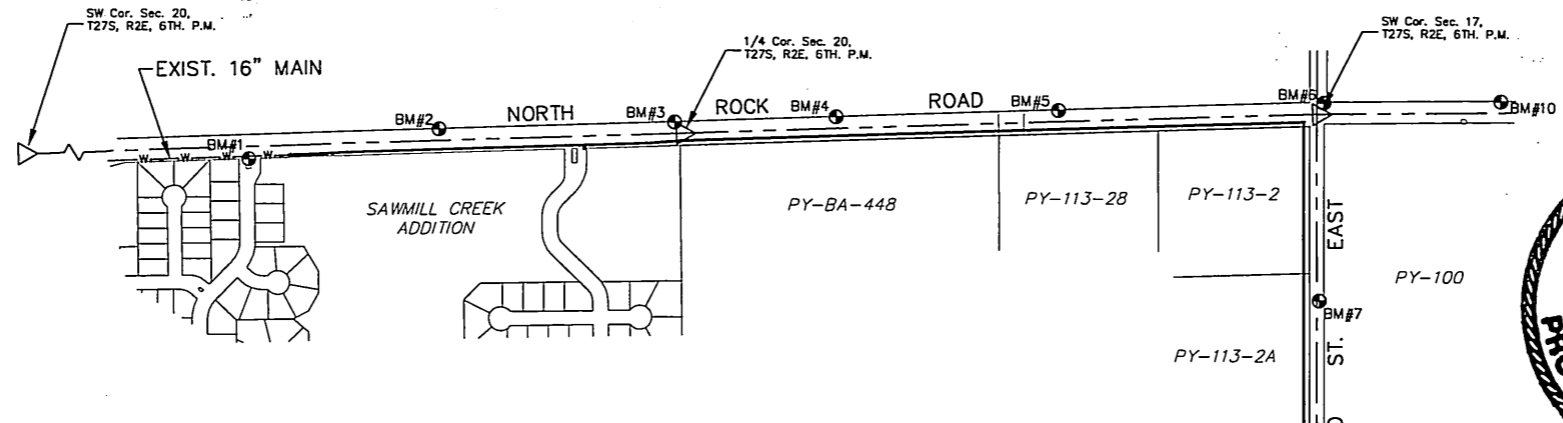
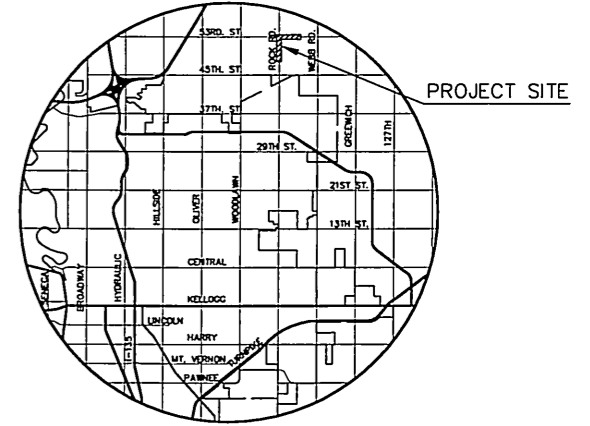
- ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA, KANSAS STANDARD SPECIFICATIONS FOR WATER MAIN INSTALLATIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
KANSAS ONE-CALL 1-800-344-7233
OR LOCAL (WICHITA) 687-2470
- THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:
COX COMMUNICATIONS (CABLE) 262-0661
WESTAR (ELECTRIC) 261-6512
KANSAS GAS SERVICE (GAS) 832-3101
SBC (TELEPHONE) 800-870-8390
CITY OF WICHITA WATER & SEWER 262-6000
AGUILA (GAS) 946-0096
CONOCO-PHILLIPS PIPELINE 800-766-8230
- THE WATER MAIN SHALL BE CONSTRUCTED ON THE ALIGNMENT SHOWN ON THE PLANS. TREES AND SHRUBS IN ROCK ROAD 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 (HEDGE ROW - APPROX. 1,800 L.F.) IN OR ADJACENT TO PUBLIC RIGHT OF WAY AND/OR EASEMENT ALONG 53RD STREET NORTH, WHICH ARE DESIGNATED FOR REMOVAL, SHALL BE REMOVED BY THE CONTRACTOR. THE COST OF TREE AND SHRUB REMOVAL IN 53RD STREET NORTH SHALL BE PAID AS A SEPARATE LUMP SUM BID ITEM. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- 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.
- CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.
- 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.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJUTING CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.
- 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. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO SITE RESTORATION.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.
- NO SERVICES WILL BE INSTALLED AS PART OF THIS PROJECT.
- INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA, AND LOCAL BUSINESS OR RESIDENTIAL TRAFFIC GENERATED WITHIN THE PROJECT AREA ARE TO BE CARRIED THROUGH CONSTRUCTION AS FURTHER PROMULGATED BY PROJECT SPECIAL PROVISIONS.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED AND TREE TRIMMINGS 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. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- ALL LAWN/TURF AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH THE SAME GRASS/SOD AS EXISTING. RESTORATION OF DISTURBED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP SOIL PREPARATION, SEEDING, MULCH, AND/OR RESEEDING. ALL SEEDING/SODDING WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS AND THE CITY OF WICHITA ADMINISTRATIVE REGULATION NO. AR78 WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE RESTORATION".
- THE CONTRACTOR SHALL LAY A TRACER WIRE & SET TEST STATIONS ALONG ALL WATER LINE PIPE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS & TRACER WIRE DETAIL ON DETAIL SHEET. COST IS SUBSIDIARY TO PIPE INSTALLATION.

NORTH ROCK ROAD WATER MAIN TO SERVE NORTHEAST STORAGE TANK

PROJECT NO. 448-89720

THE CITY OF WICHITA, KANSAS
JAMES L. ARMOUR, P.E., CITY ENGINEER

OCA NO. 635644



Project Control and Coordinate Data

Baselines					
No.	BL Sta.	Description	Northing	Easting	
1	50+00	SW Cor. Sec. 20, T27S, R2E	1715596.45	1675370.89	
1	76+50.41	W 1/4 Cor. Sec. 20, T27S, R2E	1718245.54	1675286.86	
1	102+95.68	SW Cor. Sec. 17, T27S, R2E	1720889.28	1675197.37	
2	50+00	SW Cor. Sec. 17, T27S, R2E	1720889.28	1675197.37	
2	76+42.53	S 1/4 Cor. Sec. 17, T27S, R2E	1720893.67	1677839.88	
Control Points					
CP	WL Sta.	BL Sta.	Description	Northing	Easting
1	8+84.92, 9.8' Rt.	59+06.79, 49.8' Rt.	I.P., SW Cor. Res. "C", Sawmill Creek	1716504.38	1675391.95
2	39+50.08, 19.4' Rt.	89+71.72, 50.4' Rt.	I.P., SW Cor. PY-113-28	1719567.80	1675292.53
3	46+11.30, 19' Rt.	96+32.94, 50' Rt.	I.P., NW Cor. PY-113-28	1720228.62	1675269.73
4	9+97.98, 85.1' Lt.	50+39.78, 30.1' Lt.	I.P., SW Cor. PY-100	1720919.42	1675237.08
5	36+00.08, 115' Lt.	76+41.92, 60' Lt.	Centerline Ironwood	1720953.66	1677839.17
Benchmarks					
No.	WL Sta.	BL Sta.	Description (see "BENCHMARKS", right)	Northing	Easting
1	8+36.16, 9.7' Rt.	58+58.03, 49.7' Rt.	BM#1	1716455.64	1675393.32
2	16+32.83, 85.8' Lt.	66+54.67, 48.8' Lt.	BM#2	1717248.76	1675269.63
3	26+11.26, 80.5' Lt.	76+29.21, 48.6' Lt.	BM#3	1718222.81	1675238.96
4	32+80.56, 80.2' Lt.	83+02.20, 49.2' Lt.	BM#4	1718895.29	1675215.64
5	41+98.75, 78.8' Lt.	92+20.39, 47.8' Lt.	BM#5	1719813.00	1675186.00
6	53+04.26, 77.9' Lt.	103+25.62, 46.9' Lt.	BM#6	1720917.61	1675149.51
7	17+32.58, 65.4' Lt.	57+74.38, 10.4' Lt.	BM#7	1720900.97	1675971.71
8	24+56.69, 79.2' Lt.	64+98.54, 24' Lt.	BM#8	1720915.85	1676695.85
9	32+09.83, 125' Lt.	72+51.63, 70' Rt.	BM#9	1720963.07	1677448.86
Waterlines					
No.	WL Sta.	BL Sta.	Description	Northing	Easting
1	10+00	60+21.89, 40' Rt.	Tie-in Location for 16" Waterline, Begin Line 1	1716619.09	1675378.48
1	11+50	61+71.89, 40' Rt.	Pipe Deflection	1716769.02	1675373.72
1	12+50	62+71.85, 37' Rt.	Pipe Deflection	1716868.83	1675367.56
1	22+33.45	72+55.30, 37' Rt.	16"x8" Tee	1717851.79	1675336.38
1	25+00	75+21.85, 37' Rt.	Pipe Deflection	1718118.20	1675327.93
1	26+28.07	76+49.78, 31' Rt.	Pipe Deflection	1718245.88	1675317.88
1	52+05.72	102+27.36, 31' Rt.	Fire Hydrant Assy.	1720822.05	1675230.67
1	52+18.01	102+39.36, 31' Rt.	16"x16" Tee, End Line 1	1720834.33	1675230.26
2	9+91	50+32.80, 55' Rt.	16"x16" Tee, Begin Line 2	1720834.33	1675230.26
2	33+53.26	73+95.06, 55' Rt.	Tie-in Location for 16" Waterline, End Line 2	1720838.26	1677592.51

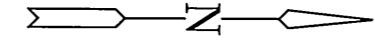
INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	DETAILS
3-6	LINE 1
7-9	LINE 2
10-11	BMP DETAILS



BENCHMARKS

- BM #1 Square cut on top of curb on West nose of island on Old Mill Street on East side of Rock Road. 858' North and 50' East of the Southwest Cor. of Section 20, Township 26 South, Range 2 East. Elevation = 1380.00.
- BM #2 Stepped spike in East face of 7th fence post North of 1st field entrance North of 45th Street North on West side of Rock Road. 996' South and 49' West of the West Quarter Corner of Section 20, Township 26 South, Range 2 East. Elevation = 1379.78.
- BM #3 60d nail in gate post 21' South and 49' West of the West Quarter Corner of Section 20, Township 26 South, Range 2 East. Elevation = 1385.20.
- BM #4 Stepped spike in East face of 8th fence post North of drive into 5112 N. Rock Road on West side of Rock Road. 652' North and 49' West of the West Quarter Corner of Section 20, Township 26 South, Range 2 East. Elevation = 1392.69.
- BM #5 Railroad spike in East face of 4th power pole South of 53rd Street North on West side of Rock Road, across from drive into 5212 N. Rock Road. 1075' South and 48' West of the Northwest Corner of Section 20, Township 26 South, Range 2 East. Elevation = 1401.69.
- BM #6 Railroad spike in East face of power pole on Northwest corner of Intersection of Rock Road and 53rd Street North. 29' North and 48' West of the Northwest Corner of Section 20, Township 26 South, Range 2 East. Elevation = 1407.835.
- BM #7 Chiseled square on center of top of North guard rail of RCB under 53rd Street North, 774' East and 10' North of Northwest Corner Section 20, Township 26 South, Range 2 East. Elevation = 1396.75.
- BM #8 Stepped spike in South face of 22" Hedge tree on North side of 53rd Street North, 1144' West and 24' North of the North Quarter Corner of Section 20, Township 26 South, Range 2 East. Elevation = 1404.09.
- BM #9 Brass disc set in concrete and stamped "R & B". 391' West and 70' North of the North Quarter Corner of Section 20, Township 26 South, Range 2 East. Elevation = 1410.41.



SCALE: 1" = 400'

LEGEND

EXISTING WATER MAIN — w —
PROPOSED WATER MAIN — — —

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

MKEC
ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

NORTH ROCK ROAD WATER MAIN
PROJECT NAME

WATER MAIN PLANS
SHEET TITLE

GAR DESIGN BY. KKL DRAWN BY. GJA CHECKED BY.
AUGUST 2005 DATE 02255_CT JOB NO. 1 / 11 SHEET/OT

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