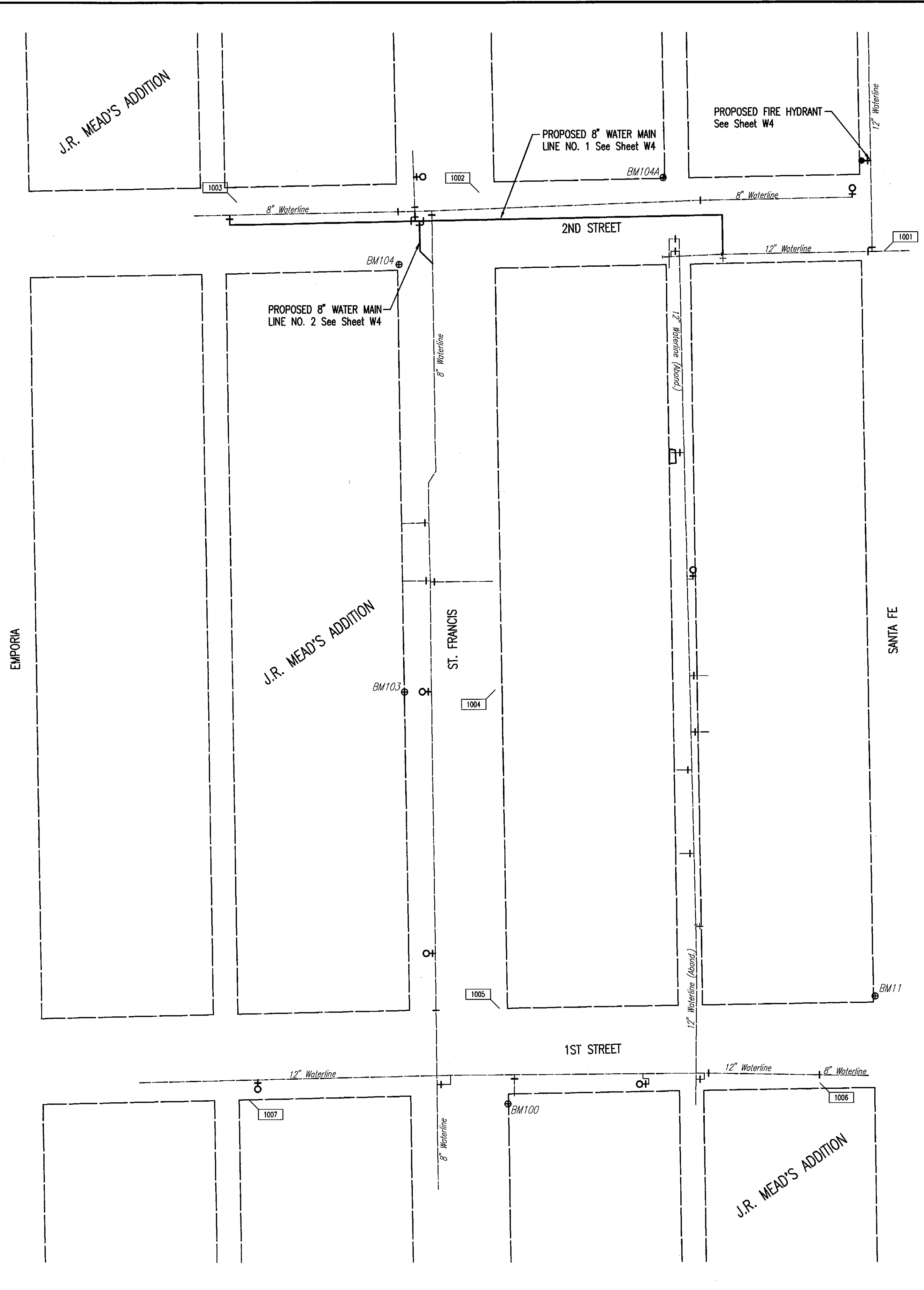
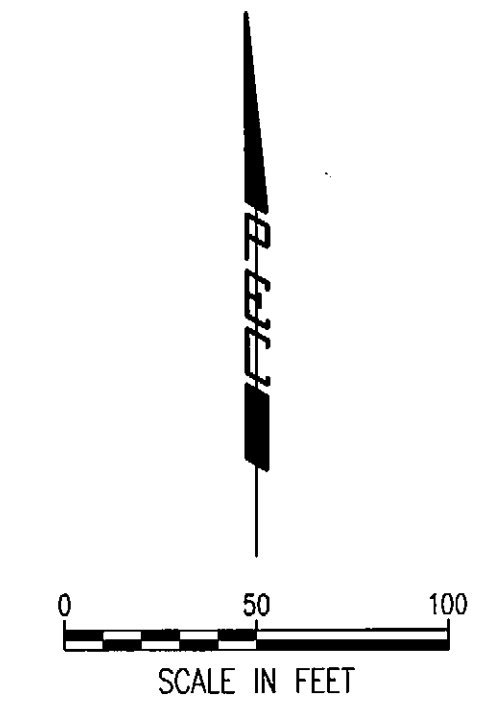


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GENERAL NOTES

- ALL ELEVATIONS SHOWN ARE NGVD 29 DATUM.
- 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 687-2470
 THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
 COX COMMUNICATIONS 262-0661
 KANSAS GAS SERVICE 1(888)-482-4950
 WESTAR ENERGY 383-8600
 BLACK HILLS ENERGY 1(800)-527-0357
 AT&T 1(800)-870-8390
 CITY OF WICHITA WATER DEPARTMENT 262-6000
 CITY OF WICHITA SEWER MAINTENANCE 262-6000
- ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA, KANSAS STANDARD SPECIFICATIONS.
- THE WATER MAIN SHALL BE CONSTRUCTED ON THE ALIGNMENT SHOWN BY THE PLANS. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE. THE COST FOR ANY NECESSARY TREE TRIMMING, CLEARING AND/OR GRUBBING SHALL BE SUBSIDIARY TO SITE CLEARING.
- 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.
- THE 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.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJACENT TO THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL 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 BANKLINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.
- 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. THE CONTRACTOR SHALL UTILIZE BARRICADES, SIGNS, GUARDS, AND FLAGMEN IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED AND TREE TRIMMINGS AND EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL ALSO BE APPROVED OF BY THE ENGINEER AS TO SUITABILITY, APPEARANCE, AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, 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 WILL 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 MAY REQUIRE ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED DISPOSAL LOCATION.
- ALL APPROVED EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE STOCKPILED IN ACCORDANCE WITH GENERAL NOTE NO. 11 ABOVE.
- THE CONTRACTOR SHALL AVOID REMOVAL OR TRIMMING OF ANY TREES OR SHRUBS WHERE POSSIBLE. WHERE THE CONTRACTOR BELIEVES THE REMOVAL OR TRIMMING IS UNAVOIDABLE, HE SHALL COORDINATE SUCH WORK WITH THE ENGINEER. COSTS FOR TREE/SHRUB REMOVAL AND TRIMMING REGARDLESS OF SIZE SHALL BE CONSIDERED SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE CLEARING".
- EACH BIDDER SHALL VISIT THE SITE OF THE PROJECT BEFORE SUBMITTING THE PROPOSAL FOR THIS WORK SO THAT HE WILL BE FULLY INFORMED OF THE EXISTING FIELD CONDITIONS AND THE OBSTACLES WHICH MIGHT BE ENCOUNTERED. UPON AWARD OF THE CONTRACT THE CONTRACTOR WILL NOT BE GRANTED ANY ADDITIONAL COMPENSATION WITH REGARDS TO TIME AND MONEY FOR CONDITIONS THAT MAY HAVE BEEN EVALUATED DURING ANY INSPECTION OF THE SITE.
- WHEN REMOVING/ABANDONING WATER AND SANITARY SEWER LINES AS SHOWN IN THE PLANS, THE CONTRACTOR SHALL CAP OR PLUG THE ENDS OF THE PIPES REMAINING IN PLACE PRIOR TO REMOVAL. ALL COSTS FOR THE REMOVAL/ABANDON OF EXISTING WATER AND SANITARY SEWER LINES AS PART OF CONSTRUCTION SHALL BE CONSIDERED SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE CLEARING" FOR THE RESPECTIVE WATERLINE AND SANITARY SEWER PROJECTS.
- IT SHOULD BE NOTED THAT OTHER BURIED LINES AND CABLE MAY EXIST WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING TRENCHING OPERATIONS TO AVOID DAMAGING THESE LINES AND CABLES. ANY UTILITIES DAMAGED SHALL BE REPLACED OR REPAIRED IMMEDIATELY AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT EXISTING UTILITIES THROUGH CONSTRUCTION AS APPROVED BY THE UTILITY OWNER AND THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- WHERE THE IMPROVEMENTS CROSS EXISTING PUBLIC OR PRIVATE UTILITIES WHICH ARE NOT TO BE ADJUSTED BY OTHERS, THE CONTRACTOR SHALL PROVIDE THE MATERIAL AND MEANS TO PROTECT AND SUPPORT SAID UTILITIES DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN WATER DISTRIBUTION DURING ALL PHASES OF CONSTRUCTION. REQUESTS FOR SHORT-TERM WATER SERVICE INTERRUPTIONS SHALL BE MADE AT LEAST 72 HOURS IN ADVANCE TO THE CITY OF WICHITA AND WILL BE SUBJECT TO APPROVAL BY THE ENGINEER. SUBJECT TO APPROVAL, THE CONTRACTOR SHALL NOTIFY ALL AFFECTED WATER CUSTOMERS OF PENDING CONSTRUCTION AT LEAST 48 HOURS IN ADVANCE. THE CONTRACTOR SHALL COORDINATE THE SHUT DOWN AND THE ISOLATION OF EXISTING WATER MAINS FOR CONNECTIONS TO THE NEW MAIN WITH THE WICHITA WATER DEPARTMENT.
- EROSION CONTROL (BMP'S)
 EROSION CONTROL MEASURES FOR THE PROJECT WILL BE PERFORMED BY THE PAVING CONTRACTOR. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE PAVING CONTRACTOR AND ENSURE THAT EROSION PROTECTION MEASURES ARE IN PLACE PRIOR TO EXCAVATION FOR INSTALLATION OF THE WATERLINE. SEE PAVING/SWD PLANS FOR ADDITIONAL INFORMATION.



LEGEND

EXISTING WATER MAIN	— — — — —
PROPOSED WATER MAIN	— — — — —
EXISTING WATER VALVE	⊕
PROPOSED WATER VALVE	⊕
EXISTING FIRE HYDRANT	⊕
PROPOSED FIRE HYDRANT	⊕
EXISTING BLOW OFF	⊕
PROPOSED BLOW OFF	⊕

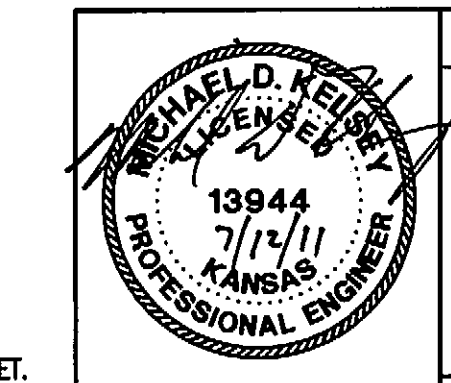
BENCHMARK LIST

- DATUM BM 11—CHISELED "d" ON NE CORNER OF CONCRETE TELEPHONE PEDESTAL AT SE CORNER OF BUILDING, LOCATED NORTH OF 1ST ST. AND ON THE WEST SIDE OF RAILROAD. ELEV. = 1298.97 (NGVD29)
- BM 100 —CHISELED "d" AT THE SE CORNER OF 1ST STREET AND ST. FRANCIS AVENUE, ON THE E. BACK OF SIDEWALK AND 6' S. OF TRAFFIC SIGNAL POLE. ELEV. = 1300.06
- BM 103 —CHISELED "d" ON WEST BACK SIDEWALK, WEST SIDE ST. FRANCIS AVE. AT THE SE CORNER ADDRESS 221 N. ST. FRANCIS, WEST OF FIRE HYDRANT. ELEV. = 1299.06 (NGVD29)
- BM 104 —CHISELED "d" ON SE CORNER TRAFFIC SIGNAL BASE AT THE SW CORNER OF INTERSECTION OF ST. FRANCIS AVE AND 2ND ST. ELEV. = 1298.44 (NGVD29)
- BM 104A—CHISELED "d" AT SE CORNER OF TRANSFORMER PAD NORTH SIDE OF 2ND STREET, WEST SIDE OF ALLEY BETWEEN SANTA FE AND ST. FRANCIS. ELEV. = 1299.53 (NGVD29)

CONTROL POINTS

- Pt. No. 1001
 N-1688974.684373, E-1650753.348959
 SET MAG NAIL IN INTERSECT CONC. JT. SANTA FE AND 2ND
 1. TO NORTHEAST CORNER COLEMAN BUILDING.
 2. TO SOUTH CURB 2ND STREET, WEST OF RAILROAD BRIDGE
 20.2' WSW
 7.0' N
- Pt. No. 1002
 N-1687022.816243, E-1650421.566203
 SET CHISELED "d" AT NE CORNER 2ND AND ST. FRANCIS
 1. TO BACK OF CURB EAST
 2. TO BACK OF CURB NORTH
 7.0' S
 8.0' W
- Pt. No. 1003
 N-1687015.20098, E-1650222.856303
 SET CHISELED "d" 3.3' NORTH OF NORTH CURB 2ND ST.
 1. ALLEY BETWEEN ST. FRANCIS AND EMPORIA ST.
 18.3' E
- Pt. No. 1004
 N-1688618.156644, E-1650434.546946
 SET MAG NAIL IN CONC. JT. @ SIDE WALK EAST OF ST. FRANCIS
 1. TO SECOND STREET LIGHT NORTH OF 1ST STREET
 5.0' E
- Pt. No. 1005
 N-1686358.30125, E-1650437.975879
 SET MAG NAIL IN CONC. JT. AT NE CORNER ST. FRANCIS AND 1ST STREET.
 1. TO NORTH CURB OF 1ST STREET.
 2. TO EAST CURB OF ST. FRANCIS.
 6.0' S
 5.5' W
- Pt. No. 1006
 N-1686297.0520, E-1650700.3998
 SET MAG NAIL IN CONC. JT. AT SW CORNER CURB INLET.
 1. TO S. CURB OF FIRST STREET.
 2. TO CENTERLINE OF SANTA FE STREET.
 3.0' N
 75.0' E
- Pt. No. 1007
 N-1686284.4845, E-1650232.9504
 SET 60D NAIL AT THE BACK OF SIDEWALK ON THE S. SIDE OF FIRST STREET.
 1. TO CENTERLINE OF ALLEY BETWEEN ST. FRANCIS AND EMPORIA. 18.8' W

NOTE: WATERLINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER DEPARTMENT REPRESENTATIVE IS ON SITE.



Revision		By	Date
2ND ST.—BETWEEN THE ALLEYS WEST & EAST OF ST. FRANCIS AVE. WATERLINE MODIFICATIONS			
KEY MAP AND GENERAL NOTES			
JAMES L. ARMOUR, P.E. — CITY ENGINEER CITY OF WICHITA PROJECT NO. 448-90525			
		PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA WICHITA, KS 67202 316-262-2891 www.pec1.com	
Designed by	SAD	Job No.	35-10310-002
Drawn by	JLM	Date	October 2010
			Sht. W2 of 5