WATER MAIN REPLACEMENT
HARRY STREET - I135 TO GEORGE WASHINGTON BLVD.
PROJECT NO. 448-89553
OCA NO. 636102

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 687-2470

   The Contractor must notify the following in case of an emergency:

Cox Communications	262-0651
Kansas Gas Service	383-8600
Westar Energy	383-8600
Aquila	1-800-303-0357
Southwestern Bell Telephone Company	1-800-286-8313
City of Wichita Water Department	262-6000
City of Wichita Sewer Maintenance	262-6000
AT&T - Bill Jones	1-800-252-1133
USD 259 Telecom Div. - Mark Blackwell	973-4241

2. All water mains and appurtenances shall be installed in accordance with City of Wichita, Kansas, Standard Specifications.

3. 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 included in the price bid for the installed water main pipe

4. Opening and closing water valves shall be done slowly to prevent damage to the water distribution system from water hammer. All valves closed by the Contractor must be reopened as new construction permits. Project inspector must ascertain that any valve closed by the Contractor is reopened. Contractor will be permitted to operate water valves only when the project inspector assigned to the project is present.

5. Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Any work done without inspection will be required to be uncovered for inspection.

6. Interurban traffic generated outside the project area and local business or apartment traffic generated within the project area are to be carried through construction as further promulgated by project special provisions.

7. 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 or unless the plans specifically identify a utility to be adjusted by its owner during construction. 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.

8. A saw cut of full depth of existing total pavement thickness shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required, except when such saw cuts are within three (3) feet of an existing joint the limits of removal shall be extended to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered as subsidiary to the removal of the surface or pavement.

9. 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.

10. 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 permitting regulations. Any material buried or stockpiled beyond approved of Engineers construction limits would require additional archeological investigations unless buried in a previously approved borrow location.

11. The Contractor shall give all property owners and/or tenants of developed property directly abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.

12. 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.

13. Plan elevations and location of existing waterlines shall be confirmed by the Contractor prior to construction of the new waterline. Any re-alignments shall be approved by the Engineer prior to start of construction.

14. Pavement removal and replacement will be measured and paid for on the lineal foot basis as measured along the centerline of the water line regardless of width, pavement type and/or pavement thickness. Minimum limits of such pavement removal and replacement shall be one foot beyond the limits of the excavation made for the water line or the structure, except when such saw cuts are within three (3) feet of an existing joint the limits of removal shall be extended to the existing joint. Removal and replacement of existing pavement shall conform to the applicable sections of the City of Wichita Standard Specifications.

15. Contact Westar Energy to arrange to have power and light poles adjacent to construction secured as necessary.

16. Return all removed fire hydrants, valves, valve boxes and meter rings & lids to Wichita Water Dept. 1825 S. McLean Blvd.

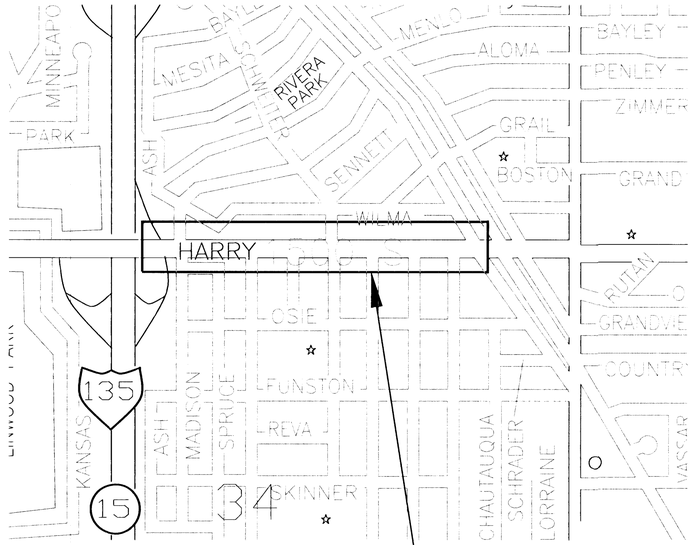
17. Signs removed & replaced are subsidiary to 'Site Clearing & Restoration'.

18. All open pipe in existing waterline system that is to be abandoned shall be capped with MJ Cap, or filled with concrete. Cost of pipe abandonment shall be incidental to the bid item for lineal feet of Pipe Removed.

19. Material needed for proper connection of the new water system to the existing system shall be subsidiary to new waterline construction. (i.e. solid sleeves, couplings, etc.)

20. Contractor to furnish and install 1" meter setters, boxes, rings & lids, and adapters as necessary for 1" services. 2" service shall include 2" Service Outlet Assembly, pipe and fittings to connect outside of existing meter vault.

NO SCALE



INDEX OF SHEETS

1	TITLE SHEET
2	STANDARD WATER ASSEMBLY DETAILS
3-6	LINE 1
7	LINES 2 & 3
8	LINES 4 & 5
9	LINES 6 & 7

BENCHMARKS

BM #1 "□" CUT ON WEST TOP OF CURB OF GROVE 98.5' ± SOUTH OF SECTION LINE ON HARRY. ELEV. 1288.25

BM #2 "□" CUT ON WEST TOP OF CURB OF GREEN 98.5' ± SOUTH OF SECTION LINE ON HARRY. ELEV. 1287.75

BM #3 "□" CUT ON WEST TOP OF CURB OF VOLUTSIA 113.2 ± SOUTH OF SECTION LINE ON HARRY. ELEV. 1288.48

BM #4 "□" CUT ON WEST TOP OF CURB OF ERIE 98.5 ± SOUTH OF SECTION LINE ON HARRY. ELEV. 1289.22

BM #5 "□" CUT ON EAST EDGE OF FLAG POLE IN FRONT OF COCA COLA BOTTLING CO. 118.1' ± SOUTH OF SECTION LINE ON HARRY. ELEV. 1292.93

THOMAS CHARLES RUBBLES — LICENSED — 9821 — 6-24-04 — KANSAS — PROFESSIONAL ENGINEER

REVISED 6-24-04

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