WATERLINE CONSTRUCTION - GENERAL NOTES

1. The Contractor shall be made aware of the fact that construction will take place in close proximity of existing and proposed utilities. Any conflicts with these utilities shall be reported to the Engineer. The Contractor shall coordinate the construction of this project with the relocation of any existing or proposed utilities by the utility companies.

2. Contractor shall be required to provide notice to utility companies a minimum of two (2) working days prior to any work being done on top and/or adjacent to their facilities.

3. Existing utilities, both above and below ground, and their locations as shown on the plans, represent the best information available for design. The locations of utilities as shown on the plans are not guaranteed and the Contractor shall verify all utilities and their locations before beginning construction. Additional utilities, including relocated utilities, which are not shown on the plans may be encountered. In this event, the Contractor shall adjust his schedule and cooperate with the utility companies to insure that their facilities be adjusted as required to clear construction. The Contractor shall exercise extreme caution while working near utilities and shall be responsible for all utilities damaged by his construction activity.

4. All water mains and appurtenances shall be installed in accordance with City of Wichita, Kansas Standard Specifications for Water Main Installations.

5. The Water Department shall field locate water valves one time during construction when requested by the Contractor. It shall be the responsibility of the Contractor to preserve such field locations during the construction process. Water valves, water valve boxes, or fire hydrants damaged during construction shall be repaired at the Contractor's expense. Contact Bill Perkins with the Wichita Water Department for water service information.

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

7. The Contractor shall not start work on the project until the Project Inspector assigned to the project is present. Any work done without inspection will be required to be uncovered for inspection.

8. The Contractor shall be required to carry minimum of one (1) lane of traffic along Hillside and Douglas during all phases of waterline contruction. Access to businesses shall be maintained at all times. Temporary signage, parking areas, business coordination, etc. necessary for business access shall be the responsibility of the Contractor.

9. The Contractor shall return all salvageable valves, hydrants, fittings, and etc. to the City of Wichita Water Distribution Department Yard located at 1825 S. McLean Blvd. The Contractor shall be required to have all salvaged material checked in by the Storekeeper.

10. Excavations for new Water Line Construction beneath pavement shall be sand filled and flushed to a level of one (1) foot beneath proposed subgrade. The upper one foot of fill shall be approved backfill material, compacted to a minimum of 95% Standard Density. Approved additional material and sand flush and fill operations shall not be paid for directly, but shall be considered as INCIDENTAL to the installation of water line construction.

11. Power Poles within close proximity to the proposed water line may require temporary bracing to facilitate construction. Contractor shall contact Miles Capps with Westar Energy at 261-6315 prior to construction to coordinate pole bracing.

12. Contractor shall be responsible for implementing erosion control methods during construction to prevent unnecessary silt/sediment discharge through downstream properties and/or storm sewer systems. Contractor shall install and maintain erosion controls as directed by the Engineer. These controls may include but not limited to: hay bales; silt fences, temporary mulching or other controls necessary to inhibit sediment runoff during construction.

13. All project waste, including trees, rubble, abandoned pipes, excess excavation, etc. shall be disposed of on sites provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance, and 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 into the waters or wetlands of the United States is subject to the U S Army Corp of Engineers permitting regulations. Any material stockpiled beyond the approved construction limits may require an archaeological investigation unless buried in a previously approved disposal site. All cost for erosion control shall be considered INCIDENTAL to the Lump Sum Bid Item "Erosion Control BMP's"

14. Each bidder shall visit the site of the project before submitting a proposal in order to become better informed of the existing field conditions and obstacles which might be encountered during construction. Each bidder should understand that no additional compensation will be awarded for extra work that should have been evaluated prior to bidding.

15. When pavement is removed beyond the limits of the associated paving project, the pavement shall be replaced in kind with permanent pavement, 2" thicker than found. Where pavement is removed to facilitate water line construction and the pavement is within the area of the associated paving project, the pavement may be replaced with temporary paving material as approved by the Area Engineer. The water line contractor shall be required to maintain the temporary pavement until the paving contractor removes the pavement for the paving project. Temporary pavement replacement is to be minimized through coordination efforts.

16. Existing water mains and service connections are to remain in service until proposed new mains have been completed and tested. New water services will be installed by the Contractor. Some services found to be abandoned may require a new main connection and meter setter to allow for future business activity. The Contractor shall verify with the Water Dept. those services which are to be reconnected. All services found with two meters in one meter box shall be replaced with individual meter boxes.

17. This Project shall be constructed concurrently with the paving project. Phased construction of the water main to coordinate with pavement and storm sewer construction may require temporary thrust blocking and/or blowoff assemblies. Temporary blocking and/or blowoffs shall not be paid for directly but shall be considered INCIDENTAL to new waterline construction.

18. All Costs associated with Killing and Cutting Corp. Stops and Abandonment of Existing Water Lines In Place shall be considered INCIDENTAL to the project.

19. 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 notice prior to start of construction, and a minimum of 24 hour notice prior to any planned water shut down.

20. The Contractor shall be aware that some utilities may have been abandoned in place prior to new water line construction. It shall be the Contractor's responsibility to contact the appropriate owners and determine the status of said lines.

LIST OF UTILITY COMPANIES

Contractor shall be required to provide notice to Kansas One Call at 687-2470 a minimum of three (3) working days prior to any excavation or work adjacent to utilities.

TYPE	OWNER	CONTACT	TELEPHONE	(ALT.)
TV	Cox Communications (Cable)	Mark Henderson	262-4270	
Electric	Westar Energy	Miles Capps	261-6315	383-8600
Gas	Kansas Gas Service	Matt Fulghum	831-3165	832-3126
Gas	Aquilla Gas Co.	Calvin Briggs	941-1608	800-303-0357
Telephone	SBC - Kansas	Jim Toben	268-2759	800-870-8390
Traffic	Wichita Traffic Signal Shop	Robert Cradduck	268-4033	
Water	Wichita Water Department	Bill Perkins	268-4555	268-4563
Storm Water Sewer	Wichita SWS Maintenance	Doug Arvivson	268-4095	
Sanitary Sewer	Wichita Sewer Maintenance	Calvin Fugit	268-4024	262-6000