STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N–0359–01	2006	51	61

BY	DATE
REFERENCE NOTED INITIALS	
REFERENCE CHECKED INITIALS	

City of Wichita, Kansas
Typical General Notes For Water Distribution Projects

1. Contractor will be required to provide a minimum advance notice of forty–eight (48) hours to utility companies prior to starting any excavation as follows:

Kansas One–Call 316–687–2470

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

Kansas Gas & Electric
Russ Chitwood 316–261–6251
1900 East Central
Wichita KS 67214

Kansas Gas Service
Jim Stoltz or Charlene Lawless 316–832–3122
Dispatcher 316–832–3168
1021 East 26th Street North
Wichita KS 67219

City of Wichita Water Dept. 316–262–6000
1825 McLean St.
Wichita KS 67203

City of Wichita Sewer Dept. 316–268–4024
1715 West Harry
Wichita KS 67217

Cablevision 316–262–4270
701 East Douglas
Wichita KS 67202

Energy One
John Stark 800–303–0752
3845 West Harry
Wichita KS 67213

at & t Telephone Co.
David Langley 316–268–2008
154 North Broadway, Room 210
Wichita KS 67202

Peoples Gas Service
Calvin Briggs 316–941–1608
1611 South Hoover
Wichita KS 67209

2. All water mains and appurtenances shall be installed in accordance with City of Wichita, Kansas Standard Specifications for Water Main Installations No. 14533.

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 bid price 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 me reopened as new construction permits. Project inspector must ascertain that any valve closed by the contractor is reopened Contractor will be permitted to operate 8" and smaller water valves only when the project inspector assigned to the project is present. The City of Wichita will operate all larger sized valves.

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. A full depth saw cut 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 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.

CFS Cook, Flatt & Strobel ENGINEERS, P.A.

GENERAL NOTES

7. Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by other 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 as been obtained from the various utility companies and is either from the 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. 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. All disposal sites must be approved by the Kansas Department 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 the 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.

9. The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed across and/or adjacent to pipelines.

10. 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.

11. The Contractor shall be responsible for preserving property irons. The Contractor will be required to reestablish any property irons which are damaged, or destroyed by his construction operations. Such irons shall be reestablished by a licensed land surveyor, or a licensed professional engineer, in accordance with state laws, at the Contractor's expense.

12. All costs for removal and/or replacement of existing pavement shall be included in the lump sum price bid for the waterline. Removal of existing pavement shall conform to the applicable sections of the City of Wichita Standard Specifications. Minimum limits of such pavement removal and replacement shall be one (1) foot beyond the limits of the excavation made for the water line or the structure, except when such lines of removal are within three (3) feet of an existing joint, the limits of removal shall be extended to the existing joint.

13. Property owner will be required to replace physical facilities in the event of water line maintenance or repair within the easement.

14. 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, topsoil preparation, seeding, mulch, and/or reseeding. All seeding/sodding work shall be in accordance with the City of Wichita Standard Specifications, & 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".

15. Remove all existing valves, and fire hydrants, within the scope of the project, in Salvageable Condition, and turn over to the City of Wichita. The cost shall be Subsidiary to other bid items.

SUMMARY OF QUANTITIES *

ITEM NO.		QUANTITY	UNIT
1	Mobilization	1	L.S.
2	12" Waterline (DICL) (RJ) (Class 56) (Insulated)	174	L.F.
3	12" Waterline (DICL) (RJ)	82	L.F.
4	12" Flexible Expansion Joint	2	Each
5	12" x 45° Bend (DICL) (RJ)	6	Each
6	2" Service Outlet	1	Each
7	12" Long Sleeve	2	Each
8	Air Release Valve Assembly	1	Each
9	24" x 0.281" Steel Encasement Pipe	16	L.F.
10	Pipe Hanger Assembly	18	Each
11	6" Concrete Sidewalk	60	S.F.
12	6" Combined Curb & Gutter	15	L.F.
13	Existing Pavement Removal & Replacement	30	L.F.

Bid Item is "Water System (Non–Participation)"

* FOR INFORMATION ONLY – Quantities are approximate. Contractor shall be responsible to obtain quantities for bidding & construction purposes based on work shown & implied on the plans regardless of quantities listed in the Summary of Quantities.

Removal & replacement of pavement was calculated using linear foot along the waterline. Area or volume quantities will vary depending on construction methods.

WATER LINE NOTES

* All Pipe Joints, Fittings, and Appurtenances to be Restrained Along Bridge and thru 45° Bends.

* Provide Thrust Blocking on All Bends.

* The Contractor will furnish, install, and remove all required temporary blowoff assembly, corporation stops, and all other incidentals required for chlorination and pressure testing.

* The Flexible Expansion Joints shall be "Flex–Tend"® Joints, as manufactured by EBAA Iron, Inc. or Pre–approved equal. Encase joints with polyethylene tubing or wrap. (8 mil.)

* The Insulated DICL R.J. Pipe Class 56 shall be "Poly–Therm"® pipe with Fiberglass Jacket, manufactured by Perma–Pipe, or Pre–approved equal. Insulation shall be 1.5" thick. Joints shall be restrained, and insulated according to manufactures recommendations.

* The Contractor shall install tracer wire and test stations along the entire route of the waterline as shown, & as detailed in the "Tracer Wire Detail" on the Standard Water Assembly Detail Sheet. All costs associated with the tracer wire and test stations including labor, materials, and incidentals necessary to complete the work shall be considered Subsidiary to pipe installation.

* All new Water Mains shall be 12" D.I.P. Class 50, and Fittings shall be 12" D.I.P. Class 350. All Non–Insulated Pipe, Valves, and Fittings shall be Polyethylene Encased.

* The Contractor shall field verify topographic features and locations of underground utilities and report any discrepancies to the Engineer prior to construction activities.

* The Contractor shall not change or deviate from the plans without obtaining written approval from the Engineer.

* The Contractor shall substantially complete each new Water Line Segment before proceeding to the next line.

* The Contractor shall repair all roads, sidewalks, curbs, driveways and other improvements in accordance with the latest Wichita Kansas Standards & Details.

* The Contractor shall close or cover with plates all open excavations when not on the site.

* The Contractor shall supply, install and maintain all Traffic Control Devices in compliance with the recommendations of the Manual on Uniform Traffic Devices (MUTCD).

* No subsurface investigations were performed on this Project.

* The Contractor shall furnish and install at no extra cost, any fittings, materials, and appurtenances, necessary to install the waterline, as shown on the plans.

GENERAL NOTES
WATER DISTRIBUTION PROJECT
CITY OF WICHITA

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