GENERAL NOTES:

1. The Contractor will be required to provide a minimum advance notice of forty-eight (48) hours to utility companies prior to excavation or working adjacent to utilities.

   Kansas One-Call 687-2470

   The following numbers are provided:

Cox Communications	262-4270
Westar Energy	261-6251
Aquila Networks	942-8811
SBC	268-2245
Kansas Gas Service	262-3121
City of Wichita Water Department	268-4940
City of Wichita Sewer Maintenance	268-4924

2. For the City of Wichita Owned Utilities Locates Contact www.wichita.gov/locate or Call 316-268-4260.

3. The Contractor shall notify pipeline companies at least 48 hours in advance of any work being performed over or adjacent to existing pipelines.

4. 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

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

6. 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.

7. 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 their construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.

8. Utility service lines, poles, gas valve boxes, meter, et cetera 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. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

9. Opening and closing of 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.

10. A saw cut of at least one-half the depth of existing surface courses or one-fourth the 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.

11. The Engineer shall take field ties to all quarter section corners. The Contractor shall set a City survey monument in the required location where such quarter section corners fall within the limits of pavement construction. Survey monuments will be furnished by the City. The Engineer will accurately locate and install the iron at the quarter section corner. This work will not be paid for directly, but shall be considered subsidiary to the other pay items of work in the contract.

12. The bid item "Fire Hydrant Installation" shall inclued installation of a New Fire Hydrant, thrust blocking, fittings, and all necessary adjustments required to bring the hydrant into complete and working order.

13. Each bidder shall visit the site of the project before submitting their proposal for the work so that they may inform themselves as to the existing field conditions and the obstacle which might be encountered.

14. Interurban traffic generated outside the project area and local business or residential traffic generated within the project area is 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.

15. Rubble from the removal of miscellaneous structures including pavement, pipes, and etc. 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. Location, 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 water of the United States or wetlands is subject to U.S. Corps of Engineers permitted regulations. Any material buried or stockpiled beyond approved construction limits may require archaeological investigations unless buried in a previously approved disposal location.

16. Temporary Blow-off Valves necessary to flush lines at existing water line tie-ins shall not be paid for directly, but shall be consider INCIDENTAL to other items in the bid.

17. Side road drainage to be maintained throughout construction. All existing culverts to be protected and maintained.

18. Contractor to coordinate with the United States Postal Service prior to any temporary or permanent relocation of existing mailboxes.

19. Contractor to follow all current City of Wichita erosion control standards

20. Contractor to maintain access to all driveways at the end of each construction day, unless, prior approval from the Project Inspector.

21. Trench Stabilization. Trench stabilization, consisting of over-excavation and placement of Type I pipe-bedding material, shall occur wherever ground-water is encountered. Trench stabilization shall extend from 6" below the barrel of the pipe to a top elevation equivalent to that of the groundwater. Type I bedding material shall be crushed rock conforming to ASTM C-33, Graduation No. 67, and shall meet all requirements for Portland Cement Concrete Pavement Course Aggregate, section 406.2, City of Wichita Standard Specification.

22. Pipe Backfill. Initial pipe backfill shall consist of sand, flushed and vibrated, extending from under the barrel of the pipe (or top of Type I bedding, if in groundwater) to the limits of the benched down trench. In the widened area of the benched down trench, excavated material may be used for backfill. Backfill for the Sanitary Sewer Main shall be compacted in lifts (2 ft. Maximum) to a density equal to 95% of standard density. The Contractor shall perform compaction testing, as described in the latest addition of ASTM D698, on each lift for every 300 lineal feet of trench, or a minimum twice per day, to verify satisfaction of the requirements above. All testing costs shall be included in the unit price bid for pipe in place. Compaction from the base of the Water Line trench to the ground surface may be accomplished per the City of Wichita Standard Specifications.

Project Control and Coordinate Data

Point No.	Baseline	Baseline Sta.	Offset	Side	Description	Northing	Easting
101	135th Street	9+00.00	0.00	-	Begin 135th Street Baseline	14,629.63	12,055.80
102	135th Street	10+00.00	0.00	-	Section Corner (21st St. North & 135th St. West)	14,729.63	12,056.74
103	135th Street	31+00.00	0.00	-	1/4 Section Corner (1/2 mile N. of 21st Street)	17,360.24	12,086.42
201	Line 1	22+73.84	54.00	Lt.	Tie-In Location for Existing 24" Waterline	16,003.92	12,014.71
202	Line 1	24+18.76	54.00	Lt.	2" Air Release Valve	16,148.83	12,016.08
203	Line 1	36+98.76	54.00	Lt.	24" x 8" Tangential Outlet (E)	17,428.77	12,028.11
204	Line 1	36+98.76	17.00	Lt.	8" x 6" Tee	17,428.43	12,065.11
205	Line 1	36+91.76	17.00	Lt.	Fire Hydrant	17,421.43	12,065.04
206	Line 1	46+10.00	54.00	Lt.	24" Anchored Valve	18,339.97	12,036.68
207	Line 1	47+70.00	54.00	Lt.	24" Anchored Valve	18,499.97	12,038.18
208	Line 1	50+23.76	54.00	Lt.	24" x 8" Tangential Outlet (E)	18,753.71	12,040.56
209	Line 1	50+23.76	17.00	Lt.	8" x 6" Tee	18,753.37	12,077.56
210	Line 1	50+14.84	17.00	Lt.	Fire Hydrant	18,746.37	12,077.50
211	Line 1	54+83.76	54.00	Lt.	2" Air Release Valve	19,213.69	12,044.89
212	Line 1	62+50.00	54.00	Lt.	24" Anchored Valve	19,979.90	12,052.09
213	Line 1	62+74.80	54.00	Lt.	24" Water Line Deflection	20,004.00	12,052.32
214	Line 1	62+98.39	54.00	Lt.	24" x 24" Tee	20,027.58	12,052.23
215	Line 1	63+03.39	54.00	Lt.	24" MJ Cap (N)	20,032.58	12,052.21

Summary of Quantities

Bid Items	Quantity	UM
24" Water Line	4,119	L.F.
8" Water Line	74.0	L.F.
24" Anchor Valve Assembly	3	EA
24" x 24" Tee	1	EA
24" x 8" Tangential Outlet (Top)	2	EA
24" MJ Cap	1	EA
Steel Casing	140	L.F.
Fire Hydrant Assembly	2	EA
2" Air Release Assembly	2	EA
8" MJ Cap	2	EA
AC Surface Course (SC-1) 2"	16	SY
Concrete Pavement 6"	16	SY
Conc. &/or Asph. Pavement Rem.	16	SY

8" x 6" Tee included in Hydrant Assembly

CITY OF WICHITA

PROPOSED IMPROVEMENTS

135th St. WEST
21st to 29th STREET WATERLINE
GENERAL NOTES

WICHITA KANSAS

BY: | PROJECT NO. 129040006 | REVISIONS | DATE:

TRANSYSTEMS CORPORATION
245 North Waco, Suite 420
Wichita, Kansas 67202

DESIGNED: J.R.L. | DRAWN: D.A.N.
CHECKED: B.A.L. | DATE: 6/10/2010
SCALE: 1"=20' | SHEET NO: 2

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