

GENERAL NOTES

1. 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 ensure that their facilities be adjusted as required to clear construction. The Contractor shall exercise extreme caution while working near utilities.
2. All water mains and appurtenances shall be installed in accordance with City of Wichita, Kansas Standard Specifications for Water Main Installations.
3. 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.
4. 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.
5. 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.
6. All fences and field gates removed by the Contractor during construction of this Project shall be replaced and/or restored to equal or better condition than their original condition. Contractor shall be responsible for assessing condition of all fences and gates prior to bidding the Project. The cost for any removal, replacement and/or reconstruction of fences and gates shall be INCIDENTAL to "Site Clearing and Restoration".
7. 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.
8. 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"
9. 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.

10. Power Poles within close proximity to the new water line may require temporary bracing to facilitate construction. Contractor shall contact Shane Price at Westar Energy at 261-6315 prior to construction to coordinate pole bracing.
11. Temporary Blow-off Valves necessary to flush lines at existing water line tie-ins shall not be paid for directly, but shall be considered INCIDENTAL to other items in the bid.
12. The Contractor shall give all property owners and/or tenants of developed property directly abutting the construction of this project a minimum of five (5) days notice prior to start of construction.
13. The Contractor shall give all pipeline companies affected by this Project a minimum of ten (10) working days notice prior to pipeline crossing.
14. The Contractor shall regrade and restore all swales, ditches, berms, levees, and all other embankments disturbed by his construction operations following construction in those areas. All Costs associated with re-grading or restoration shall be not be paid for directly, but shall be considered INCIDENTAL to other items in the project.
15. A Permit to bore beneath K-254 has been obtained by the City of Wichita and approved by the Kansas Dept. of Transportation. Contractor shall be required to obtain copy of same and keep available at all times when working within the KDOT Right-of-Way. Contractor shall be required to install and maintain the appropriate Traffic Control Devices at all times when work is performed within the KDOT Right-of-Way
16. Valves and Air Release Assembly's are to be marked with T-Posts painted blue, and extended min. four (4) feet above ground at all locations. Cost to be INCIDENTAL to Valve Installation.

17. The Contractor shall seed, fertilize, and mulch all areas disturbed by his construction activities. The seed mix for all disturbed areas shall be as follows:

The following seed mixture rate is based per acre.

TYPE	QUANTITY	UNIT
Fertilizer (16-20-0)	200	Lbs.
Big Bluestem Grass Seed (KAW)	8	Lbs.
Bromegrass Seed	8	Lbs.
Side Oats Gramma Grass (El Reno)	8	Lbs.
Western Wheatgrass Seed (Barton)	8	Lbs.
Ryegrass Seed	48	Lbs.
* Switchgrass Seed (Blackwell)	2	Lbs.
* Little Bluestem Grass Seed (Aldous)	4	Lbs.
* Indiangrass Seed (Osage)	2	Lbs.

* Denotes Seed Type to be Included within KDOT Right-of-Way.

18. Mulch shall be spread uniformly over all disturbed areas and punched into the soil, unless otherwise noted on the plans. The rate of application per acre thickness in place for the various mulching materials are as follows:

The following mulch Quantity rate is based per acre.

TYPE	QUANTITY	LOOSE DEPTH
Prairie Hay Mulching	1 3/4 - 2 1/4 Tons	1 1/2" depth
Bromegrass Mulching	1 3/4 - 2 1/4 Tons	1 1/2" depth
Wheat or Oats Straw Mulching	1 3/4 - 2 1/4 Tons	1 1/2" depth

Other Vegetative mulches will only be accepted with the Engineer's concurrence.

LIST OF UTILITY COMPANIES

Contractor shall be required to provide notice to Kansas One Call at 687-2470 a minimum of two (2) working days prior to any excavation or work adjacent to utilities.

TYPE	OWNER	CONTACT	TELEPHONE	(ALT.)
Locator Service	Kansas One-Call		687-2470	800-344-7233
TV	Cox Communications (Cable)	Mark Henderson	262-4270	
Electric	Westar Energy (Wichita)	Miles Capps	383-8600	261-6421
Electric	Westar Energy (Topeka)	Dale Lee	785-575-8154	785-575-8154
Telephone	AT&T Telephone	Jim Toben	268-2759	800-303-0357
Pipeline	Conoco Phillips Pipeline Co.	Gary Piersall	838-3411	619-8478
Pipeline	Enbridge Pipeline Co.	Scott Hearn	832-1814	772-2980
Water	Wichita Water Department	Bill Perkins	268-4555	268-4908
Water	City of Kechi	Mac Manning	744-3595	
Water	City of Bel Aire	Terry Dreiling	744-2888	744-2451
Water	Rural Water District No. 1	Donna Burke	744-3173	832-0213