

Benchmarks

BM #1: 3/4" Iron with Sedgwick County Cap set in concrete, located in the center of the 21st Street & 151st Street intersection
 B.L. Sta. 10+00.00
 Elev. = 1367.00 (NGVD 88)

BM #2: Square cut "□" on Northwest wingwall of the 21st St. N bridge over Dry Creek.
 Sta. 22+83.63, 27.29' Lt.
 Elev. = 1365.87 (NGVD 88)

BM #3: Square cut "□" on South headwall of RCBC under 21st Street North
 Sta. 31+49, 46.3' Rt.
 Elev. = 1358.31 (NGVD 88)

BM #4: Square cut "□" on concrete base of "N Sunrise Ave" street sign south of 21st St. N
 Sta. 38+11, 53.3' Rt.
 Elev. = 1362.81 (NGVD 88)

BM #5: Top of Rebar in 4x4 Right-of-way Monument, south of 21st St. N.
 Sta. 46+85.5, 75.0' Rt.
 Elev. = 1364.53 (NGVD 88)

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WATER DISTRIBUTION SYSTEM to serve **Via Christi - West Campus Addition**

CITY OF WICHITA, KANSAS

James L. Armour, P.E. City Engineer

Project Number

448-90402

O.C.A. Number

735429

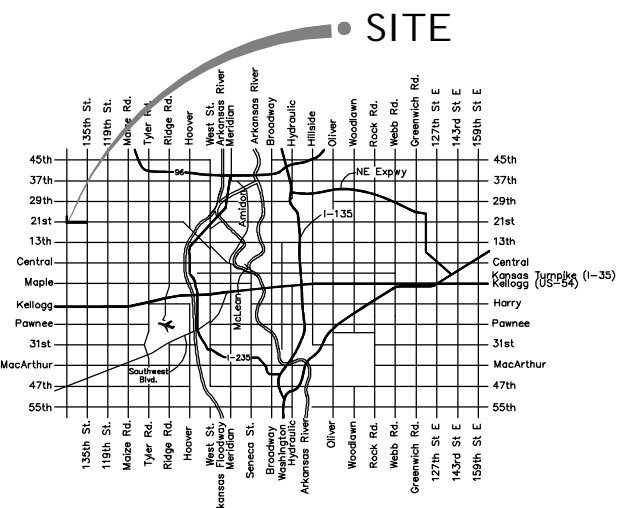
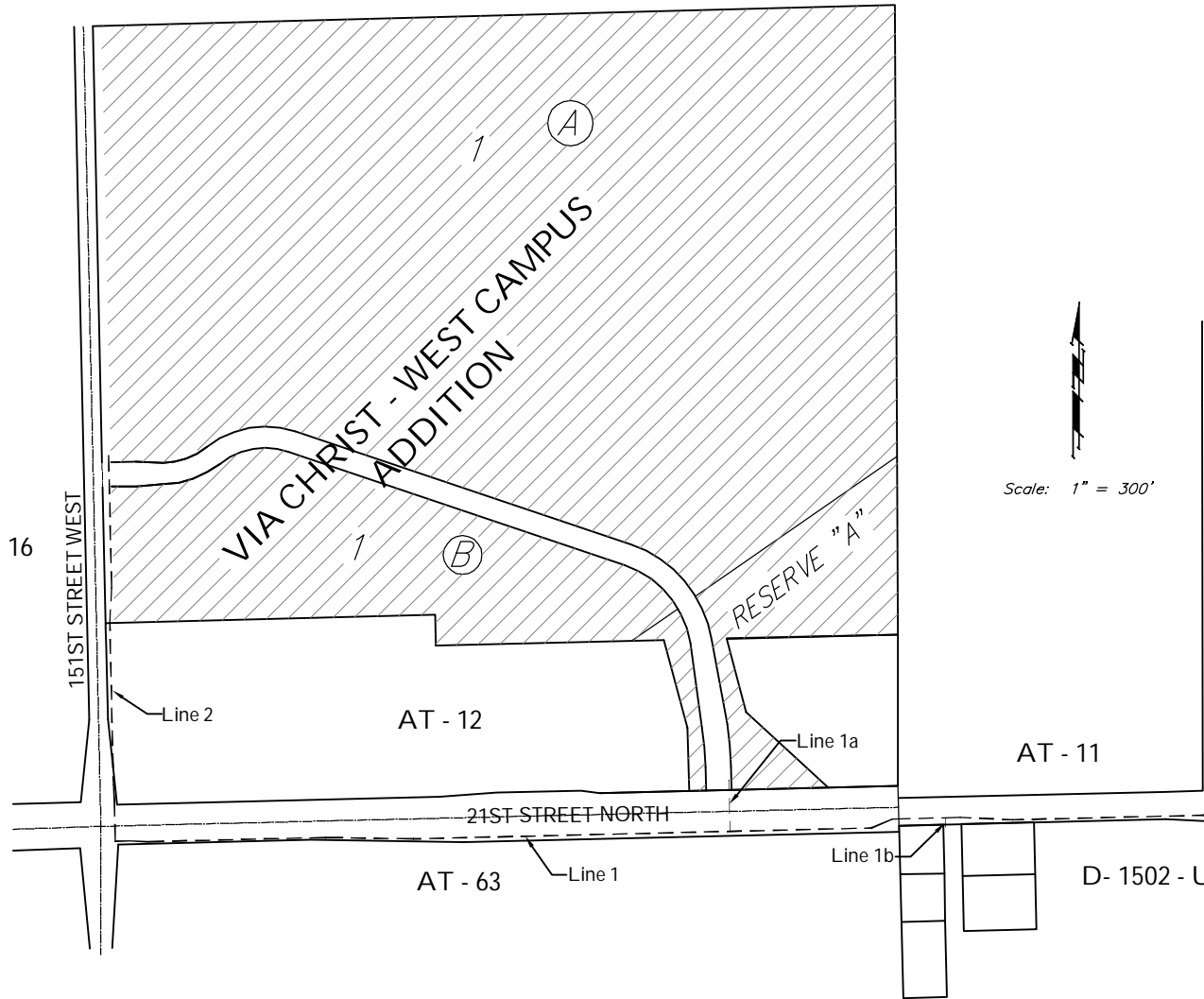
November 2008

GENERAL NOTES:

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

Kansas One-Call	687-2470
Cox Communications	262-4270
Sedgwick County Electric Co-op	542-3131
Aquila Energy	1-800-303-0357
AT&T	268-2245
City of Wichita Water Dept.	268-4563
City of Wichita Sewer Maint.	268-4024
City of Wichita Storm Sewer Maint.	268-4090
City of Wichita Traffic Maint.	268-4034
Wichita Gas Producers	773-1575
Southern Star Pipeline Co.	529-6600

The Contractor must notify the following in case of an emergency:
2. Utility service lines, poles, valve boxes, meters, and etcetera 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.
3. Rubble from the removal of miscellaneous structures can be disposed of on site. All excess excavation shall remain on site. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations, in the opinion of the Engineer, that will 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 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. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.
4. 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.
5. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.
6. 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.
7. All water mains and appurtenances shall be installed in accordance with City of Wichita, Kansas Standard Specifications for Water Main Installations No. 14533.
8. 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.
9. 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.
10. 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.
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 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.
13. All existing and proposed erosion control measures including silt fencing, erosion control mat, straw bales, inlet barriers, and const. entrance shall be maintained throughout construction by the Contractor and until project is accepted by the City of Wichita. The on-site Engineer shall complete weekly reports on the status of erosion control measures. The Contractor shall be required to comply with maintenance and/or replacement of erosion control measures as determined by the on-site Engineer until project is accepted by City of Wichita. Maintenance and/or replacement of erosion control measures to be paid by L.S. bid item "Site Clearing & Preparation".
14. The Contractor shall adjust water valve boxes and fire hydrants as directed by the Engineer at the price bid for said adjustments. The Water Department shall field locate water valves one time during construction when requested by Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, water valve boxes or fire hydrants damaged during construction shall be repaired by the Contractor at his own expense.
15. Opening and closing of water valves shall be done slowly to prevent damage to the water distributions 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.
16. The Contractor shall reseed all non-lawn/turf areas disturbed by construction with a mixture of Ryegrass (applied at a rate of 200lbs. per acre) and Fescue, Bermuda, or Buffalo grass, depending on the soil conditions (applied per Standard Specifications). Pure Nitrogen fertilizer shall also be applied at a rate of 1.5 lbs. per thousand square feet. The seed shall be watered with deep soaking every two (2) weeks during dry periods until a mature stand of grass is obtained. The Contractor shall be responsible for installing Erosion Control Blanket (Curlax, or approved equal), at all disturbed areas, including the limits of the seeded areas. All costs for this work shall be **INCIDENTAL** to the bid item "Permanent Seeding".
17. 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.
18. All traffic signs that are located in direct conflict with the proposed construction shall be removed by the Contractor. All signs that are removed or damaged during construction shall be replaced or reset by the Contractor as soon as construction permits. All Traffic Control Signs shall remain operational during all phases of the project by either resetting existing or erecting temporary signs. This shall include all school crossing, warning signs, and applicable regulatory signs. The cost for any removal, replacement and/or resetting of traffic signs shall be **INCIDENTAL** to "R\W Clearing & Site Preparation".



Vicinity Map

Benefit District



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 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE