

# Benchmarks

- BM #1: 3/4" Iron with Sedgwick County Cap set in concrete, located in the center of the 21st Street & 151st Street intersection  
Elev. = 1367.00 (NAVD 88)
- BM #2: Square cut "a" on Northwest wingwall of the 21st St. N bridge over Dry Creek.  
Elev. = 1365.87 (NAVD 88)
- BM #3: Top of 2" Steel T-Post 10' West and 7' North of Property Iron  
Elev. = 1360.75 (NAVD 88)
- BM #4: Railroad Spike in the North Face of a 36" Hackberry Tree at the West End of the Tree Row on the East Side of Gate.  
Elev. = 1364.43 (NAVD 88)
- BM #5: Railroad Spike in the South Face of a 24" Hackberry Tree Approx. 137' North of 1/16th Quarter.  
Elev. = 1356.50 (NAVD)
- BM #6: Square cut "a" on the South Side of the Concrete Base of the HLP.  
Elev. = 1353.29 (NAVD 88)
- BM #7: Railroad Spike in the West Face of Guy Pole North of Sanitary Sewer Manhole Near 135st Street West.  
Elev. = 1357.05

# MAIN 11, NORTHWEST INTERCEPTOR SEWER

to serve

# Via Christi - West Campus Addition

## CITY OF WICHITA, KANSAS

James L. Armour, P.E. City Engineer

Project Number  
468-84543

O.C.A. Number  
744294

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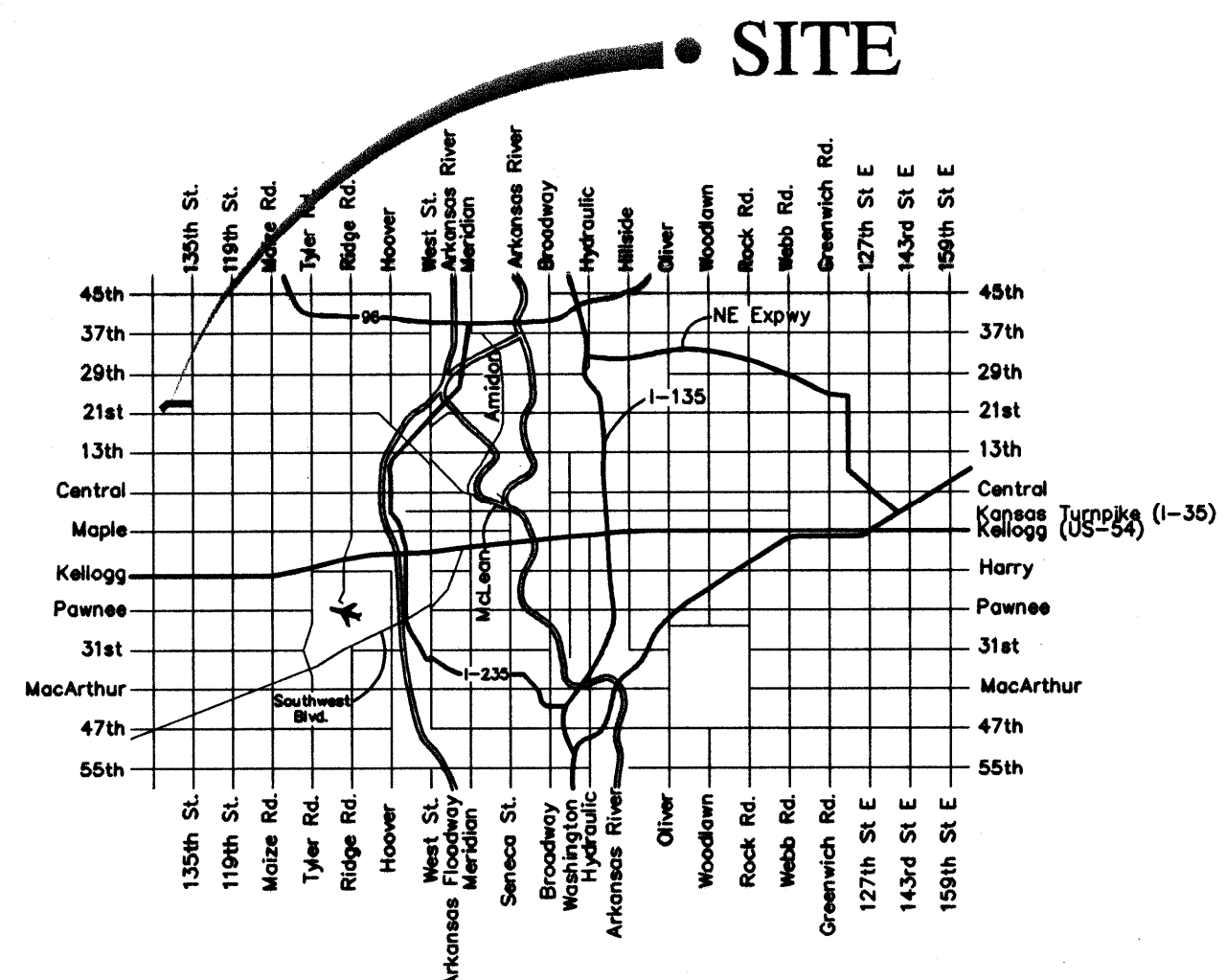
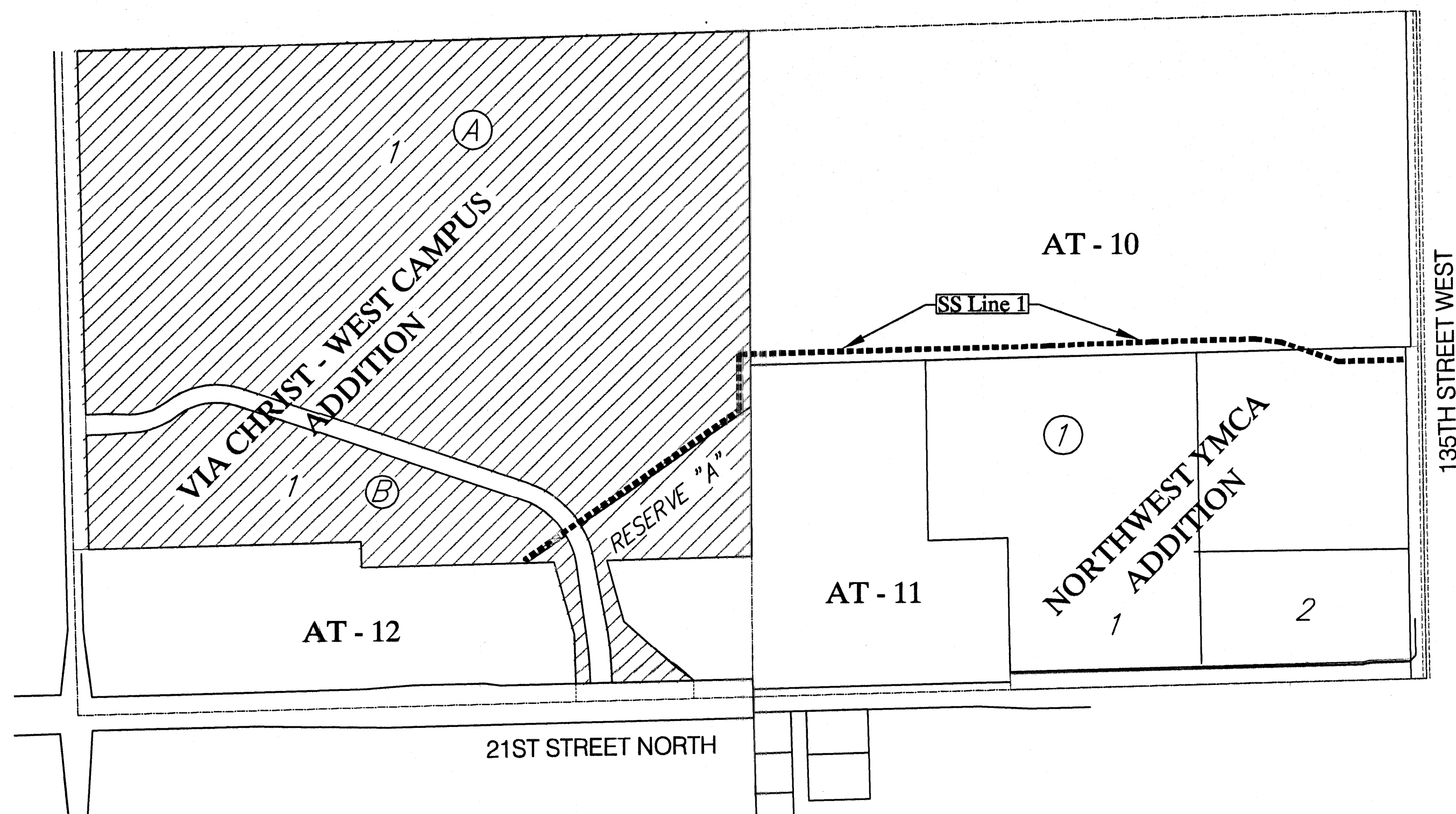
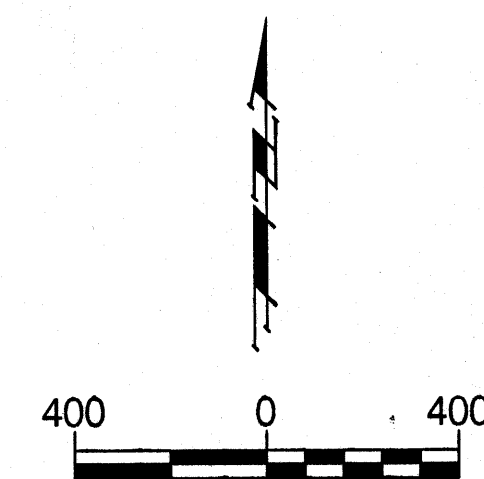
The Contractor must notify the following in case of an emergency:

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
Westar Transmission (Topeka)	(785) 575-8154
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. All project waste including any trees, milled asphalt, rubble from the removal of miscellaneous structures shall be disposed of on sites to be provided by the Contractor. 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. 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.
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. 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.
7. 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.
8. 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 & Restoration".
9. Operating/Receiving shafts required for trenchless construction methods shall not be paid for directly, but shall be considered **INCIDENTAL** to other items in the Project. All excavation, utility relocations, disposal sheeting, shoring, dewatering, materials, labor, concrete manholes, grout, backfill, etc. as shown on the plans or required for proper installation shall be considered **INCIDENTAL**.
10. The Contractor for this Project shall be required to contact Mr. Alan Whetzel at 733-3600 a minimum of ten (10) days prior to construction to coordinate access, clearing operations, and other potential issues that would be impacted by construction on/within this Property.
11. All excess excavation from the Whetzel Property is to remain on site. The Contractor shall utilize the excess spoil to construct an earthen berm along the south side of the Whetzel Property at the final cleared edge of the foliage. In no circumstance shall excavated material be deposited around trees destined to remain intact or within areas that would impose harm on mature trees not selected for removal. Berm construction shall be considered **INCIDENTAL** to other items in the Project.
12. All existing field drains, ditches, dikes, swales, berms and etc. shall be restored to original pre-existing graded conditions as part of this Project. 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. Access for construction equipment onto the Whetzel Property shall only be allowed at the west end of the property from Via Christi. The Contractor shall remove only the **absolutely minimum** necessary trees in this tree-row needed to access the Project and needed for sanitary sewer construction.
14. Trees removed for this Project shall only be done so with the Engineer's concurrence. Trimming operations on existing mature trees shall not be done with a backhoe but only by approved method concurrent with standard tree-trimming methods.
15. During the time of de-watering for the previous sewer project located within this vicinity, the property owner claimed that water quality from wells located on his property decreased. The Contractor shall be aware and take into account that should this situation occur during de-watering for this Project, the Contractor shall need to remedy this by any means necessary, including, but not limited to: Providing drinking water service, water quality testing, and well servicing.
16. A Soil Boring on the east side of the creek was performed for this Project during the design phase and a copy of the boring log is included with the Contract Documents. This is being provided "For Information Only". Due to the varying soil composition, surface drainage, and ground water levels encountered in various areas and at different seasons of the year, the City assumes no responsibility for the accuracy of the boring, nor makes any representation of such conditions as they may pertain to this Project. The Contractor shall be responsible for any and all cribbing, sheet piling, de-watering, and/or construction methods or procedures which may be necessary to complete the Project, and additional compensation, for the above described conditions, therefore, will not be allowed.
17. All new manholes constructed with this project shall be lined with one of the following liner systems: Raven 405, Sauereisen 2405, Warren Environmental 5301, or Zebtron per City of Wichita Specifications. Cost to be **INCIDENTAL** to the installation of the manhole. See Addendum #1 for Revision.
18. The Contractor shall reseed all **non-cultivated areas** disturbed by construction with a mixture of Ryegrass (applied at a rate of 50 lbs. per acre) and Buffalo grass (applied at a rate of 200 lbs. per acre). Restoration of disturbed areas shall include, but not be limited to, topsoil preparation, seeding, fertilizer and erosion mat. All seeding work shall be in accordance with the City of Wichita Standard Specifications and City of Wichita administrative Regulation No. AR6.5, which governs cleanup and restoration or replacement following construction. The seed shall be watered with deep soaking for a period of 30 days, starting with the last placement of seed on the project. 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".
19. The Contractor shall reseed all **cultivated areas** disturbed by construction with Ryegrass (applied at a rate of 200lbs. per acre) and Buffalo grass (applied at a rate of 200 lbs. per acre). All costs for this work shall be **INCIDENTAL** to the bid item "Permanent Seeding".

Nowak Construction - Contractor  
L. Wilson - City of Wichita, Inspector  
As-built  
Stubs  
Release Date: 04/27/2010  
pdf: APRosAs 6/09/2010

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# Vicinity Map

# Benefit District

