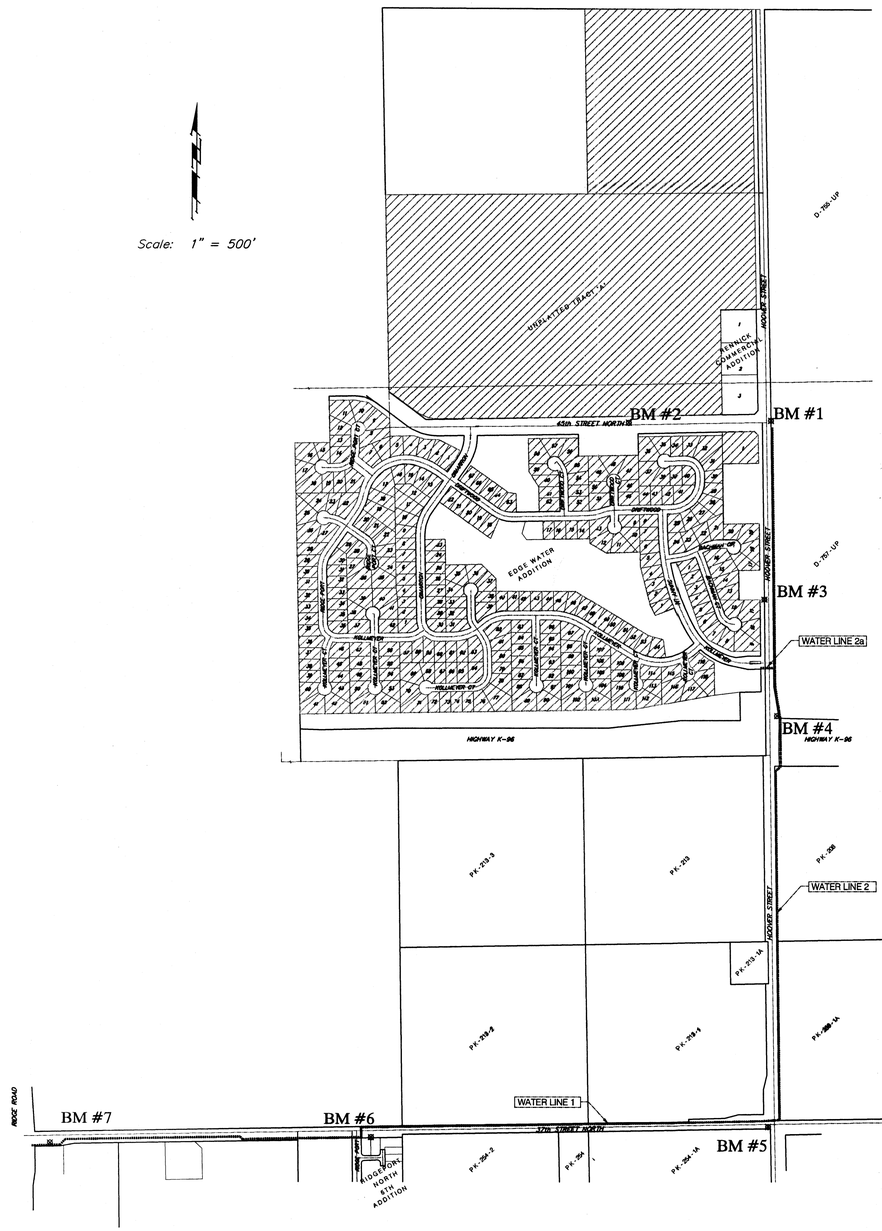
WATER DISTRIBUTION SYSTEM
to serve
EDGE WATER ADDITION
PHASE 1

CITY OF WICHITA, KANSAS

James L. Armour, P.E. City Engineer
Project Number
448-90311
O.C.A. Number
735392

Scale: 1" = 500'



Benefit District

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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

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

Cox Communications	262-4270
Westar Energy	383-8650
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

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. 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. 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.

10. The Contractor shall be required to carry traffic through construction of the water line. See Traffic Control Notes on Sheet 3 and Sheet 9.

11. 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.

12. All <u>lawn/turf</u> areas disturbed by the construction shall be restored with the same sod as existing. Restoration of disturbed areas shall include, but not limited to, top soil preparation and sodding. All sodding work shall be in accordance with City Standard specifications and the City Administrative Regulations No. AR78, which governs cleanup and restoration or replacement following construction. **When the weather/ season prevents the installation of the sod, the Contractor shall be responsible for installing Erosion** Control Blanket (Curlex, or appoved equivilant) along the trench (8' wide minimum). All costs for erosion control mat installation shall be <u>SUBSIDIARY</u> to "Site Restoration".

13. The Contractor shall reseed all <u>non-lawn/turf areas</u> 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 permanent seeding may be omitted only if sodding is required in accordance with previous General Note. The Contractor shall be responsible for installing Erosion Control Blanket (Curlex, or approved equal), at the back of curb, to and including the limits of the seeded areas. All costs for this work shall be <u>SUBSIDIARY</u> to the bid item "Permanent Seeding".

14. The developer for this project is Jay Russell, (316) 722-2417.

Benchmarks

BM #1: Hoover and 45th St. N – COW Benchmark at NE corner of Intersection, 10.20' SSE of PP, 58.80' ESE of PP on NW corner, 85.50' NE of gas line marker, 59.00' N of gas line marker, 28.50' E of Centerline, 14.50' N of Centerline.
Elev. = 1335.29 (NGVD 29)

BM #2: small RR spike in 3rd PP W of Hoover St. on the N side of 45th St. N.
Elev. = 1337.68

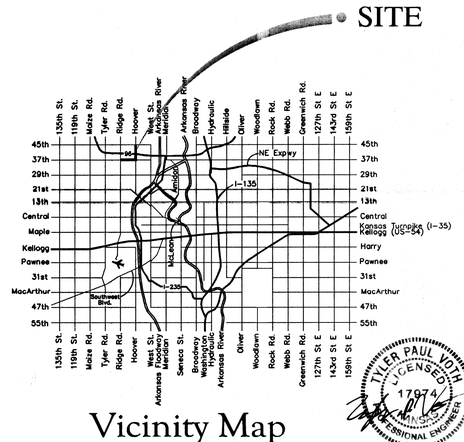
BM #3: 60d Nail in PP at the SE corner of exception on W side of Hoover St., South of 45th St. N.
Elev. = 1335.26

BM #4: COW BM North R/W of K-96 and West R/W of North Hoover Road, 6.9' ESE of PP, and 42.5' west of center line.
Elev. = 1333.14 MSL (145.74 City Datum)

BM #5: Hoover and 37th St. N – COW Benchmark at SW corner of Intersection, 16.40' W of PP, 7.40' n of PP, 3.00' N of 4' high chain link fence, 15.20' WNW of chain link fence corner, 48.50' SW of Section corner Iron, 17.20' S of Centerline, 48.00' W of Centerline.
Elev. = 1333.68

BM #6: Ridge Port and 37th St. – N Rim of SS MH, 100' E of Centerline, 54' S of Centerline.
Elev. = 1332.71

BM #7 – Railroad Spike in the North Face of the Second Power Pole East of Ridge Road on the South Side of 37th Street North, Sta. 101+19.45, 59' Rt.
Elev. = 1330.54 MSL



Vicinity Map

TYLER PAUL VOTH
LICENSED
17974
PROFESSIONAL ENGINEER
5-5-09

Baughman

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