

# WATER DISTRIBUTION SYSTEM to serve **EDGE WATER ADDITION PHASE 2**

CITY OF WICHITA, KANSAS

James L. Armour, P.E. City Engineer

Project Number

448-90312

O.C.A. Number

735393

## 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

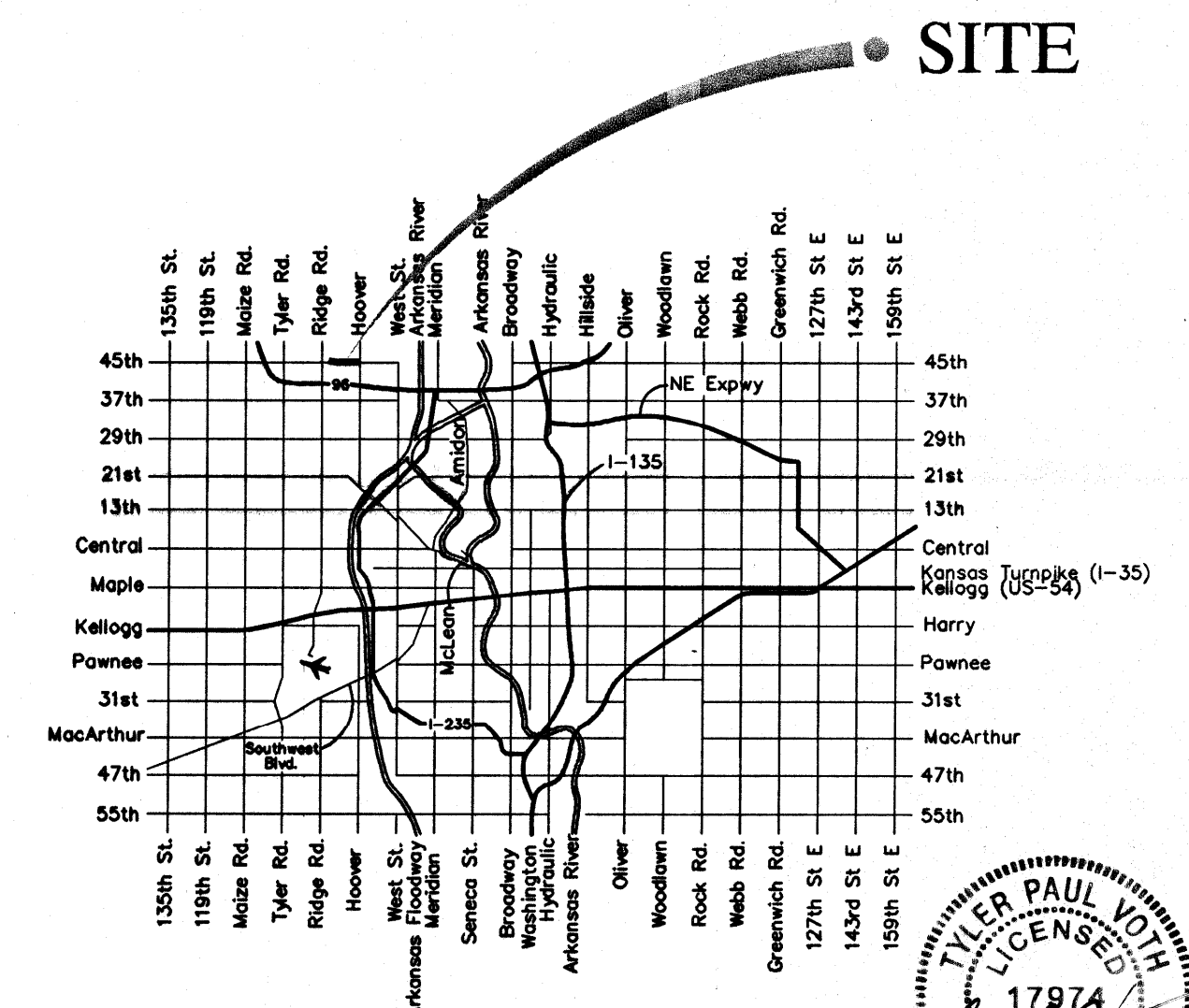
**BM #7 -** Railroad Spike in the North Face of the Second Power Pole East of Ridge Road on the South Side of 37th Street North, Sta. 101+19.45, 59' Rt.  
Elev. = 1330.54 MSL

## Sheet Index

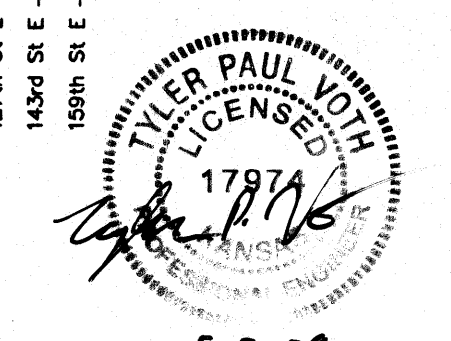
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## GENERAL NOTES:

- 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
- 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.
- 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.
- 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.
- 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.
- 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.
- 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".
- 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.
- All water mains and appurtenances shall be installed in accordance with City of Wichita, Kansas Standard Specifications for Water Main Installations No. 14533.
- 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.
- 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 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 (Curlax, or approved equal), at the back of curb, to and including the limits of the seeded areas. All costs for this work shall be SUBSIDIARY to the bid item "Permanent Seeding".
- Contractor shall be allowed to close 45th Street at the Cimarron Intersection for a maximum of two (2) days to allow open cut installation of the water line at this location. Traffic along 45th Street west of Cimarron shall not be impeded by this Project. Contractor shall be required to install the applicable signage during road closures as per the latest edition of the MUTCD and/or as shown herein. All traffic control devices shall be INCIDENTAL to the Lump Sum Bid Item: "Construction Traffic Control".
- The developer for this project is Jay Russell, (316) 722-2417.



Vicinity Map

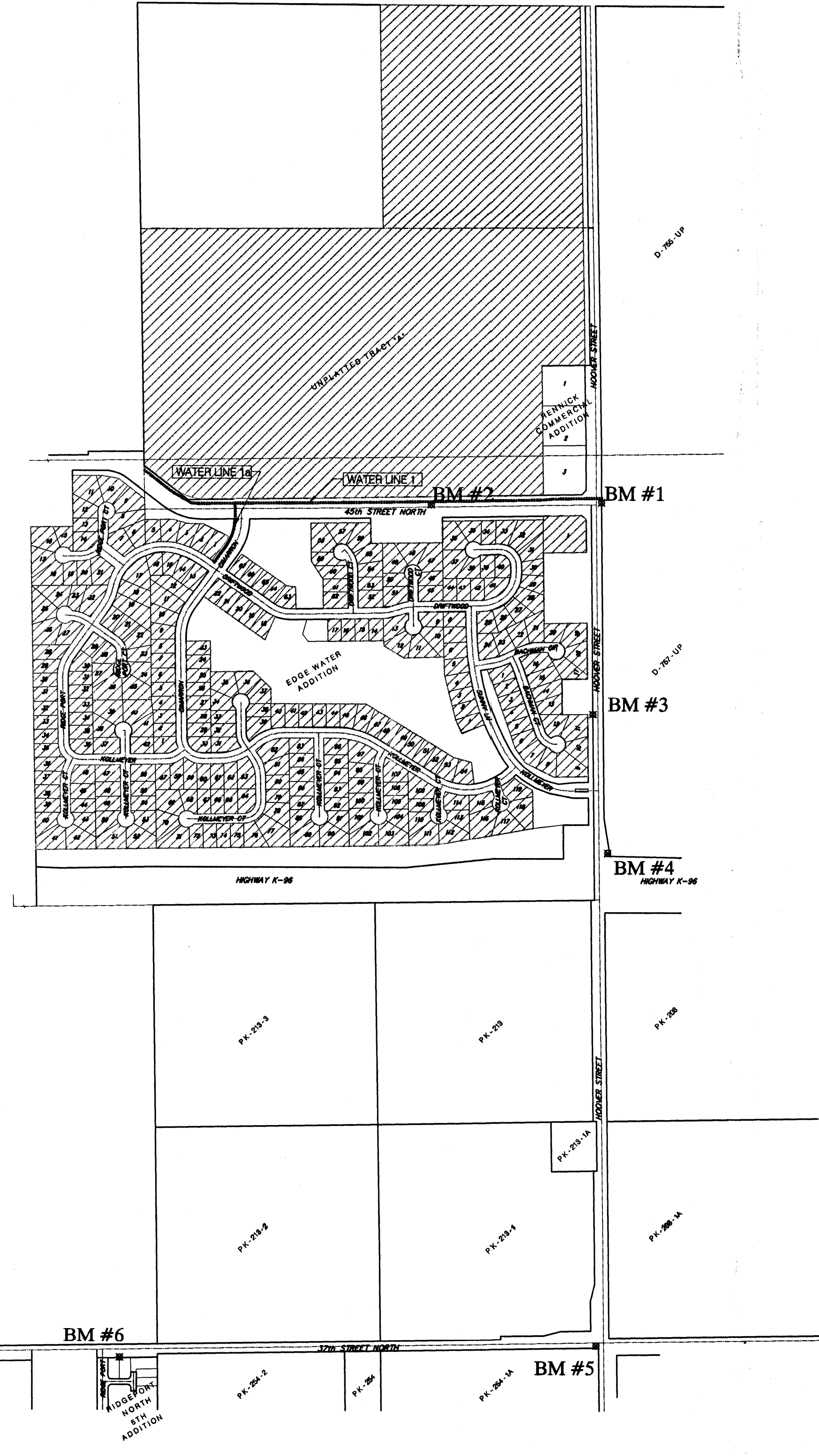


5-5-08



Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0144  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

Scale: 1" = 500'



Benefit District

