

# MAIN 24, SOUTHWEST INTERCEPTOR SEWER, SANITARY SEWER PUMP STATION & FORCE MAIN

to serve

## EDGE WATER ADDITION

### CITY OF WICHITA, KANSAS

James L. Armour, P.E. City of Wichita

Project Number

468-84364

O.C.A. Number

744262

### 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. = 1,335.29 (NGVD 29)

BM #2: small RR spike in 3rd PP W of Hoover St. on the N side of 45th St. N.  
Elev. = 1,337.68

BM #3: 60d Nail in PP at the SE corner of exception on W side of Hoover St., South of 45th St. N.  
Elev. = 1,335.26

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. = 1,333.14 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. = 1,333.68

BM #6: Ridge Port and 37th St. - N Rim of SS MH, 100' E of Centerline, 54' S of Centerline.  
Elev. = 1,332.71

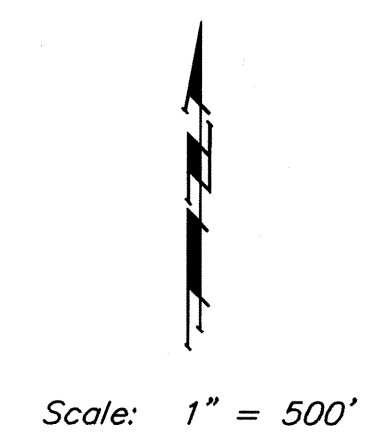
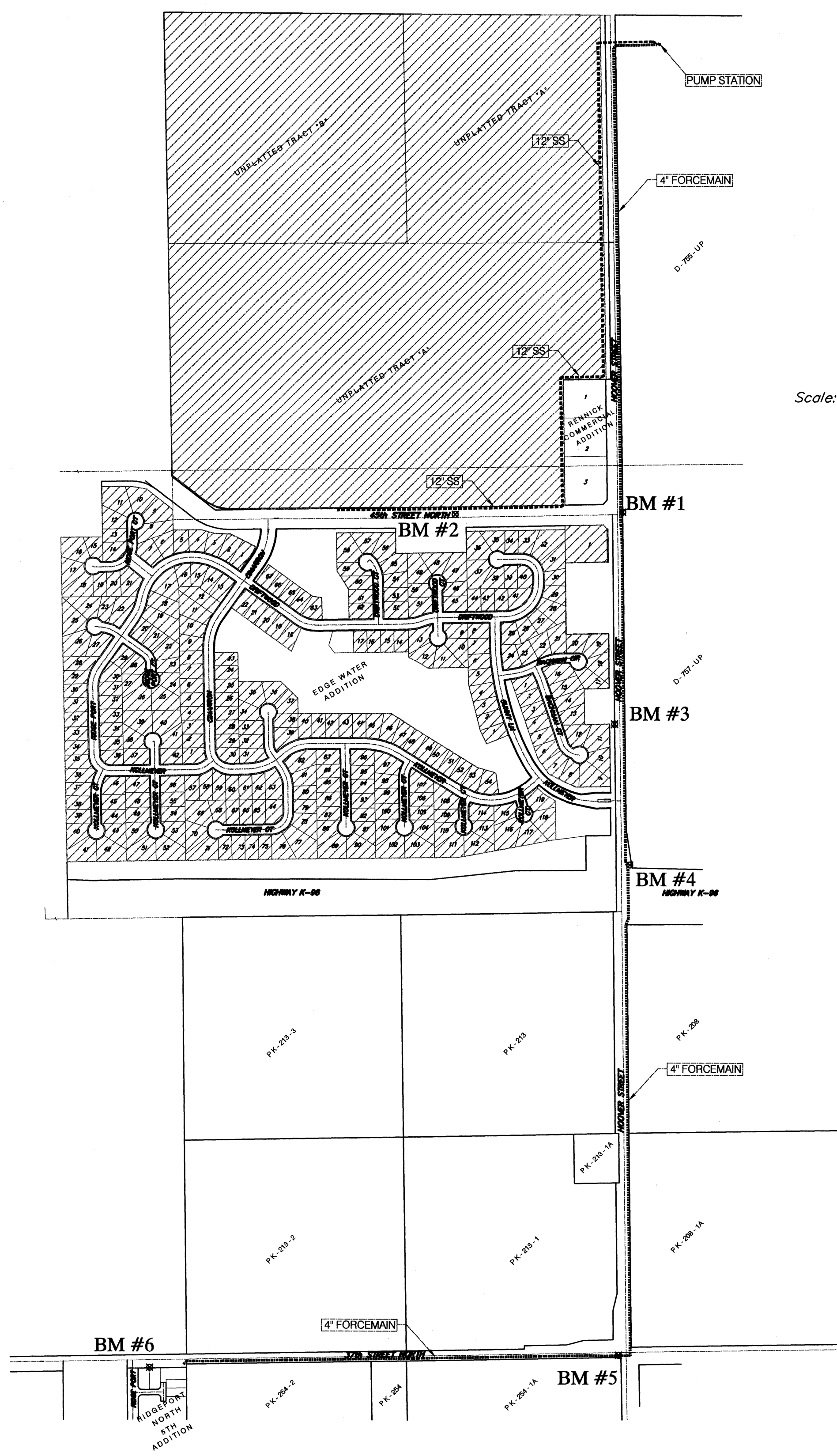
BM #7 - Railroad Spike in the North Face of the Second Power Pole East of Ridge Road on the South Side of 37th Street North, Sta. 101+19.45, 59' Rt.  
Elev. = 1,330.54 MSL

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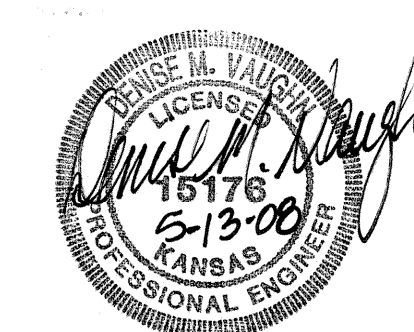
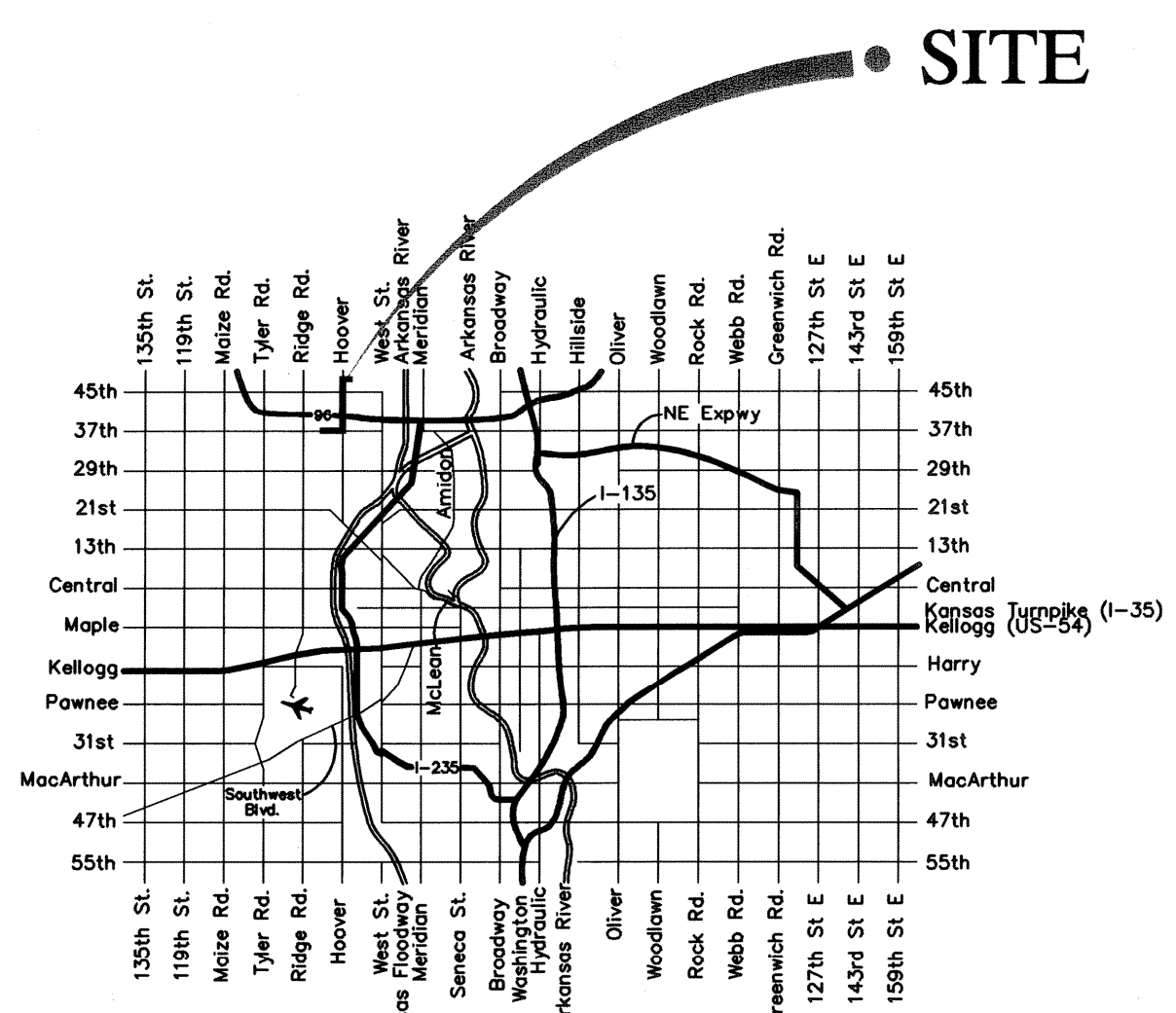
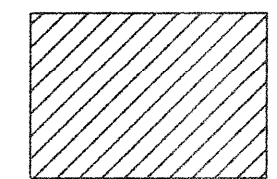
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WILDCAT CONSTRUCTION - CONTRACTOR  
M. THOM - CITY OF WICHITA, INSPECTOR  
AS-BUILT  
STUBS  
FINAL ACCEPTANCE DATE: 03/16/2009  
PDF: APR 05/12/2009

- The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of ten (10) days advance notice prior to start of construction.
- 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 363-8650  
Aquila Energy 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. 529-6601
- Existing utilities and their locations, as shown on the plan, represent the best information obtainable for design. Location information has been obtained from utility company records and/or field locations. The Contractor shall be aware that construction will occur in close proximity to existing utilities, shown and not shown, and any conflicts with such utilities shall be reported to the Engineer.
- All project waste including any trees, milled asphalt, rubble from miscellaneous structures, abandoned pipes, excess excavation, etc. shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, 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 archeological investigations unless buried in a previously approved borrow location.
- Prior to bidding the project, each bidder shall visit the site and satisfy himself of surface & subsurface conditions. Each bidder shall also fully inform himself as to the extent of the scope of work to be performed. Each bidder shall also be aware that no additional compensation will be awarded for extra work that should have been evaluated prior to bidding.
- The Contractor shall not start work on the Project until the Project Inspector is assigned and is present on site. Any work done without inspection will be required to be uncovered for inspection.
- Irons and Monuments found are shown on the plan. The Contractor shall be responsible for notifying the Engineer prior to excavation or clearing operations that will endanger said irons so that accurate ties can be determined for resetting.
- Properties within the project limits may have underground sprinkler systems in public right-of-way which conflict with the new construction. The Contractor will be required to remove and replace to existing working condition all sprinkler systems that conflict with the proposed construction. Portions of underground sprinkler systems not in conflict with the proposed construction shall be protected from damage and shall remain in place. The Contractor shall contact the property owner for location and condition prior to removal. All work in connection with underground sprinkler system shall be INCIDENTAL to "Site Clearing & Preparation."
- The 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. The 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.
- Trees and shrubs in the public right-of-way which are in direct conflict with the proposed construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with the proposed construction shall be saved and protected from damage. Tree Removal shall be INCIDENTAL to "Site Clearing and Preparation".
- Gravel roads and driveways that are to be removed during construction shall be replaced to pre-construction condition, including landscaping around drives and entrance pipes, as soon as possible to provide access to local residents. Cost to be INCIDENTAL to "Site Restoration".
- The lump sum price bid for furnishing and installing the pump station and miscellaneous appurtenances shall include all costs for furnishing and installing the pump station module as indicated on the site plan, complete in place and in operation. Such lump sum bid price shall include the cost of constructing and/or installing compacted subgrade, concrete pad, power pole, electrical conduit, electrical wiring, disconnect switch, electrical power supply, backup generator, propane fuel supply, piping, earthwork, reinforced concrete valve vault, fiberglass building, compacted fill, finished grading, and any other incidentals necessary to complete the work.
- The Force Main is to be constructed of PVC Pipe C-900, Class 150, or Ductile Iron Pipe, Class 350, that conforms to City of Wichita Specifications and Standards. The directionally drilled portion of the project shall use Certa-Lok C900 or HDPE pipe that also conforms to City of Wichita Specifications and Standards.
- Tracer Wire shall be installed with the Force Mains throughout the Project. See Detail, Sheet 19. Cost to be INCIDENTAL to Pipe Installation.
- The Contractor shall provide appropriate signage for the 4" Force Main as shown on the plans. Cost of installation shall be INCIDENTAL to the bid item "Force Main Warning Signs".
- The Contractor shall comply with all applicable safety regulations and City of Wichita Specifications and Standards.
- The developer for this project is Jay Russell, (316) 722-2417.
- All law/lurf 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 (Curlx, or approved equivalent) along the trench (8' wide minimum). All costs for erosion control mat installation shall be SUBSIDIARY to "Site Restoration".
- The Contractor shall reseed all non-law/lurf 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 (Curlx, 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".



Benefit District



Vicinity Map