

| PRWA REGION NO. | STATE | PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|-----------------|--------|-------------|-------------|-----------|--------------|
| 7 | KANSAS | 87N-0348-01 | 2007 | 3 | 135 |

GENERAL NOTES

- Utility service lines, poles, valve boxes, gas 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.
- 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.
- A full depth saw cut of the existing pavement shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required. Sawed joint to facilitate removal within three (3) feet of existing joints will not be permitted and for such instances the limits or removal shall extend to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered SUBSIDIARY to the removal of the surface or pavement.
- 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 archaeological investigations unless buried in a previously approved borrow location.
- Contractor shall be aware that some gas & telephone lines within the project corridor may have been abandoned in place as new lines are installed. The Contractor shall be responsible for contacting the appropriate owners to determine the status of said lines.
- The Water Department shall field locate water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, water valve boxes or fire hydrant damaged during construction shall be repaired by the Contractor at his own expense.
- Underground Irrigation Systems. Properties within the project limits may have underground irrigation systems (lawn sprinklers) in conflict with and/or within the limits of new construction. The Contractor shall remove conflicting components as needed during construction. Removal shall be accomplished by cutting and capping, such that the balance of any system or zone will remain in place, functional, and protected from damage. Any area detrimentally affected by irrigation service interruptions, whether within or beyond the project limits, will be considered disturbed by construction and shall be restored to its original condition, utilizing the same sod and/or vegetation as existing. Prior to project completion, existing irrigation systems shall be repaired, replaced, and/or upgraded, whether disturbed by construction or not, to provide as follows. Full coverage of all sodded areas shall be provided, with the system being modified as necessary to accommodate newly constructed sidewalk, curb, and other project improvements, in a manner consistent with industry standards and best practices. The Contractor shall coordinate all modifications with the system owner and supply as-built documentation upon request. All work and costs associated with restoration and improvements to underground irrigation systems shall be subsidiary to the bid item "Private Sprinkler System Restoration".
- Excavations for Storm Water Sewer systems beneath pavement shall be sand filled, flushed, and vibrated for a minimum distance of two (2) feet behind curb lines, to a level of one (1) foot below the subgrade, or to the existing grade elevation at the time of installation, whichever is higher. The upper one foot of fill shall be approved backfill material, compacted to a minimum of 95% Standard Density. Approved Additional material and Sand Flush and Fill operations will not be paid for directly, but shall be considered SUBSIDIARY to the installation of the Storm Sewer.
- Contractor shall be responsible for preserving all property irons within the project corridor. The Contractor will be required to reestablish any property irons which are damaged or destroyed by his construction operations. Such irons shall be reestablished by a licensed land surveyor in accordance with state laws.
- The Reinforced Concrete Box Culvert (RCBC) & manholes shall be pre-cast, unless otherwise noted. The RCBC shall conform to ASTM C-850 Standards for loading unless otherwise noted in the plans. The bedding material shall be a minimum of six (6) inches thick of crushed rock conforming to ASTM C-33, Gradation No. 67, and shall meet all requirements for Portland Cement Concrete Pavement Coarse Aggregate, Sec. 406.2, City of Wichita Std. Specifications. Bedding material shall be compacted. Contractor shall provide the Engineer with shop drawings of the structures for approval prior to construction. All Pre-cast RCB Sections shall have filter fabric wrapped at each joint to prevent infiltration of fines and other material into the conduit.
- Removal of all fences, trees, shrubs, stumps, drain pipes (<12"), pavement markings, and any other items slated for removal for which a pay item is not provided shall be INCLUDED in the lump sum bid item "R/W Clearing and Site Preparation."
- In locations where existing mail boxes conflict with construction, the Contractor shall remove and salvage the existing mail box for reinstallation. Only approved, non-hazardous supports shall be used for the re-installation. Hazardous mail box supports shall not be reinstalled but may be returned to Owner. All costs associated with mail box removal & reinstallation shall be SUBSIDIARY to the bid item "Site Restoration".
- Trees and Shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed and disposed of 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.
- Sewer Manholes to be adjusted with this Project are lined with spray-on coating systems. Manhole adjustments will require all interior exposed surfaces to be coated with an approved spray-on lining system. Approved lining systems are: Sauereisen 210S Sewer Guard; Zebtron Polyurethane; Warren Environmental 5301; Raven 405 ULTRA HIGH BUILD Epoxy Coating. Minimum thickness shall be 90 mils. Coating for manholes shall be SUBSIDIARY to the "Manhole Adjustment" bid item.
- All lawn/turf areas disturbed by construction shall be restored with the same sod as existing. Restoration of disturbed areas shall include, but not be 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. The "Recapitulation of Quantities" shows the estimated Square Yards of sodding, with a bid item for the same. When the weather/season prevents the installation of sod, the Contractor shall be responsible for installing Erosion Control Blanket (Curlex 1, or approved equal) at the back of curb (8' wide minimum). All costs for erosion mat installation shall be SUBSIDIARY to "Site Restoration".
- The Contractor shall reseed all non-lawn/turf areas disturbed by construction with a mixture of Rye grass (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, mulching, and watering. All seeding work shall be in accordance with the City of Wichita Standard Specifications and City of Wichita Administrative Regulation AR78, which governs cleanup and restoration or replacement following construction. The seed shall be watered with a deep soaking for a period of 20 days, starting with the last placement of seed on the project. The "Recapitulation of Quantities" shows the estimated Square Yards of disturbed area to be seeded, from construction limit to construction limit. The Contractor shall be responsible for installing erosion control blanket (Excelsior-Curlex 1, or approved equal over all seeded areas. All costs associated with permanent seeding and erosion blanket will be paid for through the bid item "Seeding".
- Coordinates for Sidewalk and Inlet Staking may be provided to the Construction Engineer by the Design Engineer at the time requested.
- New Sidewalk shall have a maximum side slope of not more than one-quarter inch (1/4") per foot and a maximum longitudinal slope of five (5) percent unless otherwise approved by the Engineer. The sidewalk location shown on the plan is tentative. The Contractor shall be aware that the final sidewalk alignment may be subject to field changes based on the new location of power poles, utility pedestals, and trees. However, the Contractor shall make every effort to adhere to the sidewalk plan with respect to slope and drainage conditions.
- Areas over-excavated in surface or pavement removal shall be filled to sub grade elevation and compacted to 95% Std. Density. Cost shall be INCIDENTAL to the Project.
- Geogrid Reinforcement for the rock base shall be Tensar BX1100 as manufactured by the Tensar Corporation, or approved equal. Geogrid fabric shall be INCIDENTAL to the bid item "Reinf. Crushed Rock Base."
- The crushed rock base under valley gutters, concrete pavement, and bituminous pavement shall conform to the following limits:

| Sieve Size | % Passing |
|------------|-----------|
| 2-1/2" | 100 |
| 3/4" | 40-80 |
| No. 4 | 20-50 |
| No. 40 | 6-20 |
| No. 200 | 2-10 |

Rock quality shall conform to the requirements specified by the KDOT 1990 Edition Standard Specification, Subsection 1102 for Durability Class 1.
- Valve Boxes and Manholes within the new pavement shall be adjusted by the Contractor to match final pavement grades. Manhole and Water Valve box adjustments within these limits shall be included as a "Participating" bid item. Water Valves and Manholes outside the new pavement limits shall be adjusted to the grade as shown on the plans and shall be included as a "Non-Participating" bid item.
- TRAFFIC CONTROL:
The Contractor will be allowed to completely close a portion of 29th Street to allow storm sewer and roadway construction. Maize Road Traffic will require that one lane each direction be open to traffic at all times. 119th Street traffic will require that one lane in each direction be open to traffic at all times. Access to residential properties within the Project Corridor shall be maintained at all times. See Project Construction Traffic Control and Project Special Provisions for additional information.
- Construction of temporary drives required for residential access during construction shall be SUBSIDIARY to the bid item "Construction Traffic Control" and shall include all grading, fill, compaction, removal, disposal, and etc. necessary for residential access.
- The Contractor shall notify the Maize School District USD 266 prior to beginning construction so that school bus routes can be adjusted as necessary. USD 266 Transportation Department: 722-0582
- The Inactive Water Well located on the north side of 29th at approximately 1/2 mile west of Maize Road is to be plugged with this Project. The Contractor is requested to contact Michael Jones, with KDHE, (337-6020, Wichita) for additional information. All costs for Plugging the well are to be included in the Non-Participating bid item: "Well Plugging" (Each)
- Areas over-excavated in surface or pavement removal shall be filled to sub-grade elevation and compacted to 95% Std. Density. Cost to be SUBSIDIARY to Project.
- All Rip-Rap shown on this Project shall be installed per City of Wichita Standard Specifications, Section 304.4. Installation of Toewalls and Filter Course shall be required, and shall be considered INCIDENTAL to the "Rip Rap" bid item.

LIST OF UTILITY COMPANIES

Contractor shall be required to provide notice to Kansas One Call at 687-2470 a minimum of two (2) working days prior to any excavation or work adjacent to utilities.

| TYPE | OWNER | CONTACT | TELEPHONE | (ALT.) |
|-----------------------|--------------------------------|---------------|-----------|--------------|
| Locator Service | Kansas One-Call | | 687-2470 | 800-344-7233 |
| TV | Cox Communications (Cable) | Eva Moore | 262-4270 | |
| Electric | Westar Energy (K.G.E.) | Miles Capps | 261-6824 | |
| Electric | Sedgwick County Electric Co-op | Scott Ayres | 542-3131 | 866-542-4732 |
| Gas | Kansas Gas Service | Matt Fulghum | 831-3165 | |
| Gas | Aquila Energy Co. | Calvin Briggs | 941-1608 | |
| Telephone | AT&T Telephone (formerly SBC) | Jim Tobin | 268-2759 | 800-286-8313 |
| Water | Wichita Water Department | Bill Perkins | 268-4563 | 268-4555 |
| Storm Water Sewer | Wichita SWS Maintenance | Doug Arvidson | 268-4095 | |
| Sanitary Sewer | Wichita Sewer Maintenance | Calvin Fugit | 268-4024 | 262-6000 |
| Tomado Warning Device | Sedgwick Co. Emergency Mgmt. | Jack Keigly | 660-5968 | |

Drawing File: F:\eng\29th (maize-119th)\Notepage.dwg
 Design: Staff
 Drawn: JFB
 Approved: JFB
 Scale: None

Project No. 0404-E856 CAPITAL IMPROVEMENT PROJECT
GENERAL NOTEPAGE
 29TH STREET NORTH - 119TH TO MAIZE ROAD

Baughman Company, P.A.
 315 Ellis St. Wichita, KS 67211 P 316-262-1271 F 316-262-0149
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

MAY, 2007
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3
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 135