

## GENERAL NOTES

STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
KANSAS	87N-0135-01	2005	2	137

The Contractor shall be responsible for preserving existing property irons shown on plans. The Contractor will be required to reestablish any shown property irons which are damaged or destroyed by his construction operations. Such irons shall be reestablished at the Contractor's expense by a licensed land surveyor in accordance with state laws.

The City of Wichita Public Works Dept. shall take field ties to all quarter section corners. The contractor shall set a city survey monument in the required location where such quarter section corners fall within the limits of pavement construction. Survey monuments will be furnished and installed at no cost to the contractor. The City of Wichita Public Works Dept. will accurately locate and install the iron at the quarter section corner.

All construction staking shall be performed by the City of Wichita Public Works Department at no cost to the contractor. The contractor shall coordinate the survey staking with the City of Wichita Public Works Department and give the surveyor 24 hours notice when stakes are required.

Utility service lines, poles, valve boxes, meters, etc... are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the contractor. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. Location information has been obtained from the various utility companies and is either from company record drawings or company provided field locations. The plan locations shown are not guaranteed. Additional existing utilities may also be encountered. 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 adjust or remove and replace water valve boxes 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 the contractor. It shall be the contractor's responsibility to preserve such field locations during the construction process. Water valves or water valve boxes damaged during construction shall be repaired by the contractor at his own expense.

Unless indicated otherwise in the plans, the City of Wichita will shut off all water services that are to be removed and replaced and remove the water meters, vault, lid and setter. The Contractor is responsible for coordinating which services are to be removed and when.

All stationing, radii, pavement widths, offset distances, etc... are measured to the high edge of the curb and gutter and along the project baseline unless otherwise noted on the plans.

A full depth saw cut of the existing surface shall be provided at locations where proposed new construction abuts an existing concrete or bituminous surface for which at least partial removal of that surface is required. Saw cuts shall be subsidiary to paving items.

Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted 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.

All trees to be removed are marked . Costs shall be paid as site clearing and restoration.

All trees, hedge rows, shelter belts, and woody shrubs not shown to be removed and located between the right-of-way line or easement line shall be spared unless directed by the engineer to be removed. All trees within the appropriate clear zone shall be removed.

Contractor shall remove and deliver to 1801 S. McLean all sewer manhole frame and lids, regulatory signs-street name signs, signal poles, signals, mast arms, cabinet, etc. noted for removal during construction. Contractor shall be responsible for the installation of new signs. All associated costs to transport the salvaged material will be Subsidiary to the bid item "Transportation of Salvaged Materials" and will be Non-Participating.

All business signs, posts and landscaping features in conflict with the new construction will be relocated by others prior to construction. Upon the start of construction, all items that remain within the construction limits shall be removed and disposed of by the contractor at no additional cost to the City.

Connection of existing storm sewers, sanitary sewers or drainage structures to proposed conduits and/or structures shall include all material, equipment and labor. These connections shall not be paid for directly, but shall be considered Subsidiary to the various proposed conduits or structures. This work shall be as directed by the Engineer and shall be Subsidiary to the specific structure bid items.

Elevations are in City of Wichita Datum. (Feet)

Select Soil (Topsoil shall be placed at a minimum depth of 6 inches or as specified at all locations within the right-of-way outside of pavement. The finished grade indicates the surface elevation after the prescribed select soil (topsoil) thickness has been placed.

All gravel or other similar debris larger than 1/2 inch in diameter shall be raked up and removed during final grade preparation.

Where offsite select soil is needed, it shall be fertile natural topsoil, typical of the locality, obtained from well drained areas. Stockpiled topsoil may be used. It shall be without admixture of subsoil or slag and shall be free of stones, lumps, sticks, plants, or their roots, toxic substances or other extraneous matter that may be harmful to plant growth or would interfere with future maintenance. Topsoil pH range shall be 5.5 to 7.0. Topsoil shall be approved by the Landscape Architect prior to placement.

Equipment and construction materials shall remain out of and away from the driplines of trees that are to remain so as to not compact the root zone or damage the tree. Chemical spill damage shall be prevented by filling gas tanks, cleaning tools & repairing equipment well outside driplines.

Any tree that must have branches removed shall be trimmed with sharp instrument/tool that is intended for such operations. Consult with Design Engineer prior to trimming. Knocking branches off with a backhoe or other similar machine is not acceptable! Refer to tree trimming detail on this sheet for trimming procedure.

New storm sewer installed under proposed pavements shall be protected from construction traffic during construction operations.

Trees are an important asset to the City of Wichita. Every effort should be made to preserve each and every tree (unless noted for removal) as directed in these plans.

Before any type of construction begins within the construction limits, the contractor shall install protection fence around all trees that are not noted for removal. See detail, this sheet.

Contractor shall construct a slab rest and attach to West side of portion of existing RCB to remain. It is assumed that one exists on the East side now. Contractor shall verify this during construction. Existing slab rest should be inspected for soundness with unsound portions removed and replaced.

Proposed curbs matching existing curbs shall be altered to match the shape and dimensions of the existing curb. Positive drainage shall be maintained through such transitions.

Pavement cross-slope transitions will be required where proposed pavement matches existing pavement and Mill & Overlay sections. Transitions shall be made over an adequate length to prevent sumps from being created in gutters.

In areas where Mill & Overlay is indicated, contractor shall remove all existing asphalt material down to the underlying concrete pavement and replace with new asphalt material to the thickness and cross-slope indicated on the typical sections. The average mill thickness and base course thickness is indicated on each section based on the best information available.

Asphalt cement for bituminous material shall be PG 70-28 for surface and base courses. BM-2 aggregate shall be used in surface and base courses.

Bituminous surface course shall be placed with a laydown machine having automatic controls for line and grade.

A tack coat of emulsified asphalt (sc-1h or css-1h) shall be applied at an approximate rate of 0.05 gal. per square yard between each lift of bituminous material.

Construction joints in each lift shall be staggered a minimum distance of 12 inches from joints in preceding lifts and placed so that a joint will be constructed on the centerline of the top lift.

Crushed rock subgrade is to be compacted and smoothed with a steel faced roller prior to placement of pavement. Tack coat will not be applied to rock base.

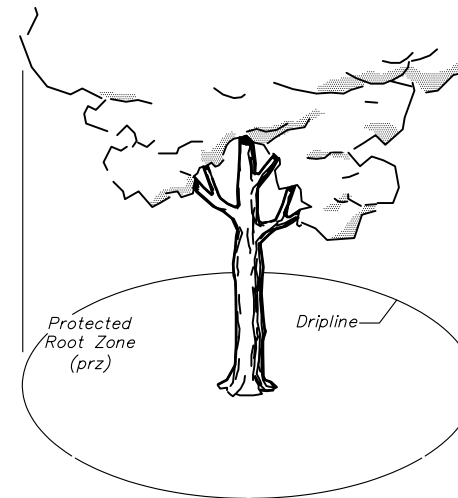
The joints in existing and new concrete pavements to be overlaid shall be cleaned and re-sealed with Crafo 34201 joint sealant or approved equivalent in conformance with the City of Wichita Standard Specifications. The installed sealant should be recessed 1/8" below the concrete surface. Contractor shall be careful to avoid contact of the sealant with the concrete surface. If such contact occurs, the sealant shall be completely removed. Spreading-out excess sealant across the pavement surface (Squeezing) will not be allowed. Joints shall be saw-cut into the asphalt overlay material directly above concrete joints. These joints shall be sealed with the same material described above.

Inlet hook-ups shall be constructed as indicated on the inlet detail drawings and shall be bid as "Inlet Hook-up". No distinction will be made between hook-ups based on the size and type of inlet.

Contractor shall remove and dispose of all existing WTA benches within the project limits.

The project will consist of an estimated 2,100 s.f. of "Sidewalk Repair" in addition to the bid items "Sidewalk Removal" and "Sidewalk Construction (4")(AE)". "Sidewalk Repair" will consist of the removal and replacement of existing sidewalk along the project in areas where determined necessary by the City in the field. The plan quantity is estimated and is not shown in the plan drawings.

All areas disturbed by construction that are adjacent to developed properties shall be restored with sod to match existing turf type. 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 Regulation 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 I, or approved equal) at the back of curb (8' wide minimum). All costs for erosion mat installation shall be SUBSIDIARY TO "Site Restoration".

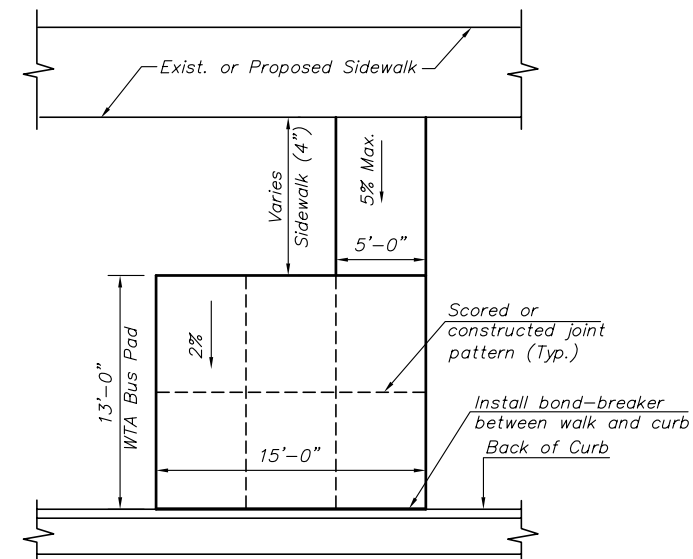


Where excavation for new construction is required within tree protection zones, hand clear and excavate to minimize damage to root systems. Use narrow-line spading forks, comb soil to expose roots, and cleanly cut roots as close to excavation as possible.

1. Cover exposed roots with burlap and water regularly.
2. Temporarily support and protect roots from damage until they are permanently redirected and covered with soil.
3. Backfill with soil as soon as possible.

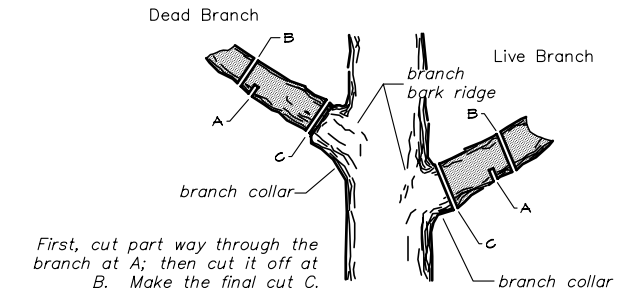
### TEMPORARY TREE PROTECTION DETAIL

NOT TO SCALE



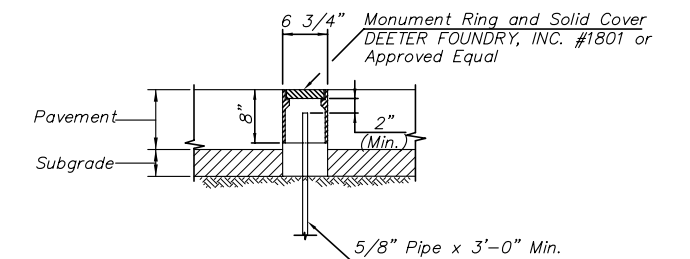
### WTA BUS PAD DETAIL

WTA Bus Pad bid as "Sidewalk Construction(4")(AE)".



### TREE TRIMMING DETAIL

NOT TO SCALE



### MONUMENT BOX DETAIL

(Central @ Edgemoor, Sta. 36+53.21)

NOTE:

All Equipment and Labor Necessary for the Installation of the Monument Box Shall be SUBSIDIARY to the Bid Item "Monument Box".

### UTILITIES

E - Weststar Energy (Electric)	261-6512
G - Farmland Industries (Gas) 1-918-333-4111	
G - Kansas Gas Service (Gas)	832-3101
G - Williams Pipeline (Gas)	529-6601
SWS - City of Wichita Stormwater Utility	268-4071
SS & W - City of Wichita Water Dept.	262-6000
CATV - Cox Communications (Cable)	262-0661
T - SBC (Telephone)	800-870-8390

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KANSAS DEPARTMENT OF TRANSPORTATION

### GENERAL NOTES

PROJECT NO. 87N-0135-01 SEDGWICK CO.

MKEC ENGINEERING CONSULTANTS, INC.

WICHITA, KANSAS

DESIGNED BY: JRA CHECKED BY: JRA

DRAWN BY: DPG DATE: DEC. 05 SHEET 2 OF 137