

**GENERAL NOTES**

Unless shown or stated otherwise on these drawings, materials and construction shall be in accordance with city of wichita standard specifications.

Contractor will be required to provide a minimum advance notice of seventy-two (72) hours to utility companies prior to starting any excavation as follows:  
 Kansas One-call 1-800-344-7233  
 or 687-2470 (local Wichita)

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

SBC (telephone)	800-870-8390
Cox Communications (cable)	262-0661
Westar (electric)	383-8600
Kansas Gas Service (gas)	832-3101
City of Wichita Water & Sewer maint.	262-6000
Aquila (gas)	946-0096

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. Water valve boxes on water lines to be abandoned, shall be removed, and the valve abandoned in place. The water department shall field locate water valves one time during construction when requested by the contractor. It shall be the contractors 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 back of the curb and gutter and along the project baseline unless otherwise noted on the plans. Spot elevations on Intersection Details sheets are to high edge and top of curb unless otherwise noted.

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 not be paid for directly, but shall be considered Subsidiary to various surfacing items involved.

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 Grubbing". All stumps to be grubbed are marked .

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 to proposed 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 structures. Connection of existing storm sewers to proposed storm sewers shall be paid for as Concrete Collars. Connections of proposed storm sewers to existing structures shall not be paid for directly but shall be considered Subsidiary to the price of storm sewer installation.

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.

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

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. Transitions shall be made over an adequate length to prevent sumps from being created in gutters.

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.

Monitoring Wells are to be abandoned by Kansas Dept. of Health & Environment. Contractor shall coordinate this work.

**TREE PRESERVATION:**  
 Existing trees are an important asset to this project. Every effort should be made to preserve each and every tree (unless noted for removal) as directed in these plans & notes.

Before any type of construction begins within the improvement area the contractor shall install protection fence around all tree masses & individual trees that are not noted for removal. Tree protection shall be Subsidiary to project. See detail, this sheet.

Equipment and construction materials shall remain out of and away from tree driplines 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 tree protected root zones. Concrete mortar shall be mixed on a thick plastic tarp. Mixing trucks shall be rinsed out off site. Where it occurs that a construction route or a proposed improvement occurs within a trees (prz) it may be necessary dependent upon the type of construction and equipment used, to install a root protection bridge (i.e. 600 mm layer of wood mulch) or approved equivalent, this may be determined in the field at the direction of the Engineer.

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

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".

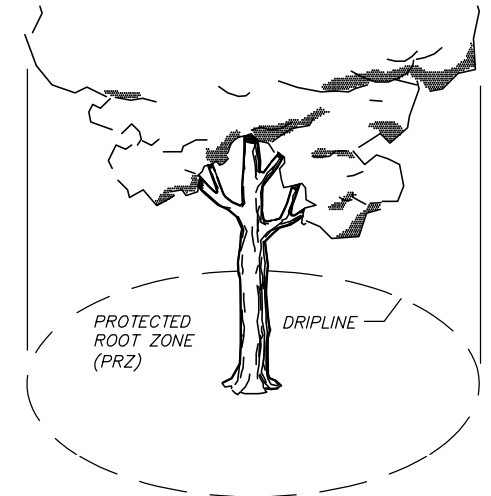
Inlet hook-ups shall be constructed as indicated on the inlet detail drawings and shall be bid as "Inlet Hook-up". No distinction will be made between hook-ups based on the size or type of inlet.

All sanitary and storm sewer manhole adjustments shall include the replacement of the frame and lid meeting City Standards. Cost to be subsidiary to "Manhole Adjustment".

**DEMOLITION BACKFILL STABILIZATION:**

In the areas designated on the plans, the existing ground shall be excavated to the depth of undisturbed earth (eight feet). The excavated area shall be backfilled with a suitable material in compacted lifts not to exceed 6" and compacted to a uniform density of not less than 95%. The work associated with demolition backfill stabilization shall be considered subsidiary to "Removal of Existing Structures". All existing structures and foundations have been removed.

STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
KANSAS	87 N-0235-01	2006	2	120

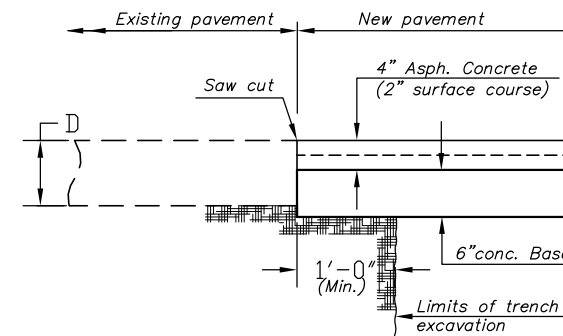


Where excavation for new construction is required within tree protection zones, hand clear and excavate to minimize damage to root systems. Use narrow-tine spading forks, comb soil to expose roots, and cleanly cut roots as close to excavation as possible.

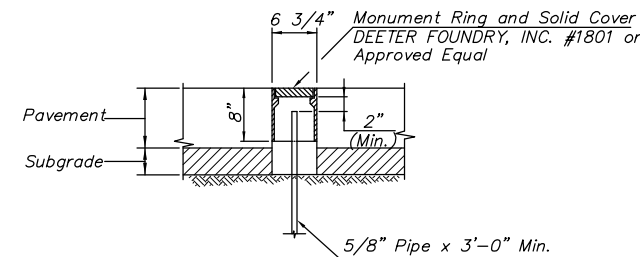
1. Cover exposed roots with burlap and water regularly.
2. Temporarily support and protect roots from damage until they are permanently redirected and covered with soil.
3. Backfill with soil as soon as possible.

**TEMPORARY TREE PROTECTION DETAIL**

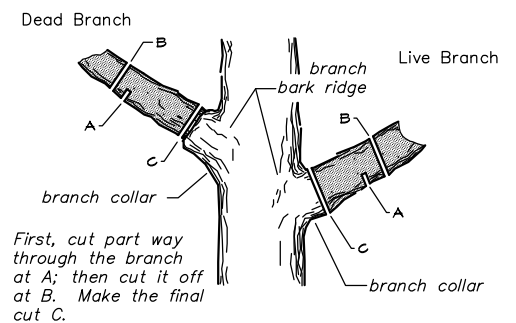
NOT TO SCALE



**PERMANENT PAVEMENT PATCH DETAIL**



**MONUMENT BOX DETAIL**



**TREE TRIMMING DETAIL**

NOT TO SCALE

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KANSAS DEPARTMENT OF TRANSPORTATION			
GENERAL NOTES			
PROJECT NO. 87 N-0235-01		SEDGWICK CO.	
M K E C ENGINEERING CONSULTANTS, INC.			
WICHITA, KANSAS			
DESIGNED BY: JRA	CHECKED BY: JRA		
DRAWN BY: WNJ	DATE: JULY 2004	SHEET 2 OF 120	