STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
KANSAS	87 N–0351–01	2012	2	220

GENERAL NOTES

Unless shown or stated otherwise on these drawings, drawings, materials, and construction shall be in accordance with City of Wichita Standard Specifications. References within these plans to KDOT Concrete Grades may be ignored.

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 local Wichita	687–2470

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

AT&T (telephone)	1–800–870–8390
Cox Communications (cable)	262–0661
Westar (electric)	383–8600
Kansas Gas Service (gas)	1–888–482–4950
City of Wichita Water & Sewer Maint.	262–6000
Black Hills (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.

Construction staking shall be performed by the City of Wichita Public Works Department with exception to staking on the two clear span bridges. The contractor shall be responsible for staking the two clear span bridges. Staking for both clear span bridges will require two independent surveys. See KDOT Specifications. Staking will be paid for as "Contractor Staking". All staking performed by the City of Wichita will be done 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. Some utilities have been relocated and may not reflect so on the plans. 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.

Existing storm sewer inlets and pipes noted to be removed within the paved roadway and not being replaced within the same trench shall be back filled with flowable fill or flushed and vibrated sand to the subgrade line.

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 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.

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 plan sheets are at Back of Full–Height Curb and Gutter flow line. Spot elevations on Intersection Details are as noted.

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. Millings from the "Mill and Overlay" operation shall become the property of the contractor and disposed of on sites provided by the contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location.

A saw cut of at least one–half the depth of the Existing Surface courses or one–fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts an Existing Surface or Pavement for which partial removal of that surface or pavement is required. Saw Joint to facilitate removal within three (3) feet of Existing Joints will not be permitted and for such instances the Limits of Removal shall extend to the Existing Joint.

Contractor shall remove and deliver to 1801 S. McLean all regulatory signs, street name signs, manhole frames and lids, removed hydrants, 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".

Bid Item A.C. Pavement 7" (5" Bit. Base):
Asphalt Cement for Bituminous material shall be PG 70–28 for Surface and PG 64–22 for Base Courses. BM–2 Aggregate shall be used in Surface and Base Courses.

Bid Item A.C. Pavement 5" (3" Bit. Base):
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.

All Temporary Asphalt Paving items and the bid item "AC pavement 6", Driveways" and Permanent Asphalt Pavement (WL Patch) shall conform to City of Wichita's SC–1 for Surface Courses and BC–1 for 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 Base 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.

Inlet Hook–ups shall be constructed as indicated on the inlet detail drawings and shall be Bid as "Inlet Hookup". No distinction will be made between Hook–ups based on the size and type of inlet.

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. AR6.5, 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".

The contractor shall reseed all undeveloped areas disturbed by construction with a mixture of Ryegrass (applied at a rate of 200 lbs. per acre) and 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 a deep soaking every two (2) weeks during dry periods until a mature stand of grass is obtained. The "Recapitulation of Quantities" shows the estimated square yards of disturbed area to be seeded, with a bid item for the same. The permanent seeding may be omitted only if sodding is required. The contractor shall be responsible for installing Erosion Control Blanket (Curlex I, or approved equal) at the back of curb, to and including the limits of all seeded areas. All costs for this work shall be subsidiary to the seeding bid item.

Designated areas shall receive a detention pond seed mix and fertilizer as follows:

Smooth Brome	75lb/acre PLS
K–31 Fescue	300lb/acre PLS
Annual Rye	100lb/acre PLS
Fertilizer (10–20–10)	350lb/acre

See the Roadside Improvement Plans for delineation of seeding and sodding areas.

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 unless otherwise noted.

Select Soil (Topsoil) shall be placed at a minimum depth of 12 inches or as specified on the drawings. The finished grade indicates the surface elevation after the prescribed select soil (topsoil) thickness has been placed. 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 Project Engineer prior to placement.

All gravel or other similar debris larger that ½ inch in diameter shall be raked up and removed during final grade preparation.

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.

Trees to be removed are marked ⊗ or are noted on the plan. Tree removal shall be paid for as "Tree Removal, Large" or "Tree Removal, Small". Removal of mass tree areas, brush, shrubs and other vegetative debris shall be Subsidiary to "Site Clearing". Tree Row Removal will be paid for as "Tree Row Removal" and shall be based on the Linear Feet noted in the plans.

In Areas of Mass Tree Removal, existing Trees within and immediately adjacent to the existing Stream Channel shall not be Removed. All Tree Removal shall be Approved by the Project Engineer.

TREE PRESERVATION:
Existing trees noted to be saved are an important asset to this project. Preserve each tree noted as directed in these plans & notes.

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. 24" layer of wood mulch) or approved equivalent, this may be determined in the field at the direction of the landscape architect.

Any tree that must have branches removed shall be trimmed with sharp instrument/tool that is intended for such operations. Consult landscape architect prior to trimming. Knocking branches off with a back hoe or other similar machine is not acceptable! Refer to tree trimming detail on sheet 134 for trimming procedure.

Where root cutting is necessary on trees which are to remain, the roots shall be vertically cut with a sharp instrument or trencher prior to excavating soil around to roots.

"Mailbox Remove and Reset" will consist of temporarily relocating the mailbox as required to maintain mail service during construction and permanently reinstalling the mailbox at an Engineer–approved location after construction. In no instance shall mail service be disrupted.

All backfill for storm sewer trenches shall be in accordance with the City of Wichita's standard specifications. Backfill for storm sewer under existing or proposed pavement, including lines running parallel and adjacent to the back of curb, shall be jetted and vibrated sand. The sand fill shall be brought up uniformly to an elevation two feet below the bottom of the existing or proposed pavement (12 inches above the top of pipe shall be the minimum). Cost for this backfill shall be paid on a linear foot basis as "Fill, Sand (Flushed & Vibrated)".

Prior to Installation, Contractor shall verify whether Manholes are shallow or standard. No Adjustment in price will be made for changes from the Bid.

Storm sewer and structure removals are noted in the paving plans. All storm sewer and structure removals shall be subsidiary to "Pipe Removed", "Inlet Removed" and "MH Removed". A summary of storm sewer removals is provided for information only in the Summary of Quantities.

In the locations given in the table below, the plans indicate a conflict between the Proposed Sidewalk and the existing Westar overhead electric distribution line. As indicated in the table, the Proposed Sidewalk is to be constructed around the Westar appurtenance to avoid the conflict. Other conflicts may be encountered but these conflicts are the responsibility of Westar to eliminate prior to construction. The contractor shall coordinate this work with the City's Project Engineer.

Approximate Station on Central	Side	Notes
66+00	Rt.	The sidewalk can move around the pole
69+70	Rt.	The sidewalk can move around the pole
70+40	Rt.	The sidewalk can move around the pedestal
72+80	Rt.	The sidewalk can move around the pole
74+05	Rt.	The sidewalk can move around the pole
76+95	Rt.	The sidewalk can move around the pole
78+60	Rt.	The sidewalk can move around the pole
81+60	Rt.	The sidewalk can move around the pole
83+05	Rt.	The sidewalk can move around the pole only
86+00	Rt.	The sidewalk can move around the pole
86+70	Lt.	The sidewalk can move around the pole
87+50	Rt.	The sidewalk can move around the pole
90+60	Rt.	The sidewalk can move around the pole
92+10	Lt.	The sidewalk can move around the doghouse
92+75	Rt.	The sidewalk can move around the pole

UTILITIES

UGE – Westar
OHE – Westar
G – Kansas Gas Service
W – City of Wichita Water
UGT – AT&T
TV – Cox
SS – City of Wichita Sanitary Sewer

MKEC ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

CENTRAL AVENUE
IMPROVEMENTS FROM
135TH ST. W. TO 119TH ST. W.

GENERAL NOTES
SHEET TITLE
472–84017
PROJECT NUMBER

JRA
DESIGN BY
TBK
DRAWN BY
JAG
CHECKED BY

ISSUED
November 9, 2012
REVISED

SHEET NO.
2 of 220

J:\Civil\04238\dwg\Title\04238_NOTES.dwg

PLOTTED: Wednesday, November 14, 2012 @ 01:40PM