

GENERAL NOTES

Unless shown or stated otherwise on these drawings, drawings, materials, and construction shall be in accordance with City of Wichita Standard Specifications and special provisions.

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
- Evergy (electric) 383-8600
- Kansas Gas Service (gas) 1-888-482-4950
- City of Wichita Water & Sewer Maint. 262-6000
- Black Hills (gas) 1-800-694-8989

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. 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.

The contractor shall adjust water valve boxes as directed by the engineer at the price bid for said adjustments. The Public Works & Utilities 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.

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. Cross-section elevations are existing surface and top of proposed surface at the project baseline.

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".

Unless otherwise shown on the plans, all asphaltic concrete pavement placed on city projects shall use PG 64-22 asphalt cement for the full thickness on non-arterial streets and private pavements, with BC-1 and SC-1 mix designs for base and surface asphalt, respectively. The contractor may substitute an alternate grade of asphalt that complies with or exceeds the upper and lower grade designations for the grade specified. Such substitutions require advanced approval by the Engineer and any additional cost will be the responsibility of the contractor.

Bituminous pavement 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.

Bituminous pavement base courses thicker than 4" shall be installed in two lifts.

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". See Sections 902.7 and 902.8 of the standard specifications.

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

All private property 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. Removals are paid for as "Removal of Existing Structures" unless specifically noted to be paid for under a separate bid item.


Select Soil (Topsoil) shall be placed at a minimum depth of 6 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 than 1/2 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 roadway surfaces. 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 including stumps from trees that have already been removed prior to construction shall be Subsidiary to "Site Clearing". See the Special Provisions.

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)". See the Special Provisions.

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", and "Inlet Removed". A summary of storm sewer removals is provided for information only on each paving plan sheet. 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 flushed and vibrated sand to the subgrade line work and shall be paid for as "Fill, Sand (Flushed & Vibrated)".

All connections between existing Storm Sewer and Storm Sewer Structures and proposed Storm Sewer and Storm Sewer Structures shall be Subsidiary to the cost of installation of the new Storm Sewer and/or Structure. Contractor shall verify the exact location of existing storm sewers and structures prior to construction.

PROJECT SURVEY CONTROL:

Datum:

The Horizontal Datum is based on the Kansas Coordinate System of 1983(2011), South Zone. Coordinates shown have been modified to the ground using a combined adjustment factor of 1.0001200144. State Plane coordinates can be calculated by multiplying the shown values by 0.99988.

All elevations shown are based on the NAVD 88 vertical datum.

Note:

All Control Points shown have elevations established using standard surveying procedures and can be used as temporary benchmarks. When using a Control point as a temporary benchmark, it is recommended that cross-checks be made to other control points or benchmarks to confirm elevations prior to use.

UTILITY NOTES:

Contractor shall provide positive drainage away from all manhole covers.

Opening and closing of water valves shall be done slowly to prevent damage to the water distributions system from water hammer. All valves closed by the contractor must be reopened as new construction permits. The project inspector must ascertain that any valve closed by the contractor is reopened. The contractor will be permitted to operate water valves only when the project inspector assigned to the project is present.

The contractor shall provide materials for temporary blowoff of waterlines. Connections to the existing waterline(s) shall be made with clean, swabbed pipe and flushed upon completion of tie-ins.

Deflections at pipe joint or couplings shall not exceed the pipe manufacturer's recommended maximum. Where deflections are greater than the maximum allowed, the contractor shall utilize CIMJ long sleeve (only if approved by the engineer) or multiple joints.

Any existing joint exposed during excavation shall be replaced if within four feet of proposed joint.

The contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the engineer at the contractor's expense.

Work required for the fire hydrant relocation will consist of removal of the existing hydrant paid for as "Fire Hydrant Removed", installation of new fire hydrant leader pipe paid for as "Pipe, WL 6", DICL" and installation of a new fire hydrant paid for as "Fire Hydrant". Delivery of the existing hydrant to the City will be paid for as part of "Transportation of Salvaged Materials".

Water pipe removed will be paid for as "Pipe Removed". No distinction will be made based on the diameter of the pipe removed.

The bid item "Service Line, Long 1"" will involve installing a new 1" service line from the water main to the existing meter located at/near Station 6+52.50, 33' Rt. The new service line should connect to the existing meter at it's current location. The new service should be installed at a depth to avoid proposed storm sewer.

Pavement removal and replacement associated with water line work shall conform with Permanent Pavement Patch Detail on Sheet 16.



PLANS FOR ANNA STREET PAVING IMPROVEMENTS WICHITA, KS

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GENERAL NOTES

PROJECT NO.	1901010483	
DATE	FEB. 2021	
SCALE	N/A	
DESIGNED	DRAWN	CHECKED
JRA	DM	JRA
NO.	REVISION	DATE

SHEET NO.
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