

PUTTED: Friday, August 23, 2019 9:03:09PM

GENERAL NOTES

Unless shown or stated otherwise on these drawings, materials, and construction shall be in accordance with City of Wichita Standard Specifications and special provisions. 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
Wester (electric) 383-8600
Kansas Gas Service (gas) 1-888-482-4950
City of Wichita Water & Sewer Maint. 262-6000

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.

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.

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.

The contractor shall adjust water valve boxes as directed by the engineer at the price bid for said adjustments. The water department shall locate water valves one time during construction when requested by the contractor.

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.

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.

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.

Contractor shall remove and deliver to 1801 S. McLean all traffic signal components, regulatory signs, street name signs, manhole frames and lids, removed hydrants, etc., noted for removal during construction.

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.

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.

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.

Contractor to erect temporary 4' tall plastic mesh safety fence with posts to prevent construction activities from encroaching onto adjacent private property at locations where temporary construction easement has not been obtained on adjacent properties.

In locations where existing retaining walls abut proposed construction, the Contractor may not stand on or behind walls unless temporary construction easement is provided.

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 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.

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

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).

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.

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

Trees to be removed are marked with an X or are noted on the plan. Tree removal shall be paid for as "Tree Removal, Large" or "Tree Removal, Small".

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.

Temporary concrete safety barrier shall be utilized where open utility trenches and non-traversable drop-offs are immediately located adjacent to traffic. The bid price for "Concrete Safety Barrier (Temporary)" shall include providing the barrier and include the cost of multiple installations and removals as necessary for construction.

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".

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.

Concrete Collars on storm sewer may be eliminated if proper storm sewer joint connections can be made by removing additional existing pipe and adding proposed pipe if approved by the engineer.

"Mailbox, Removed and Reset" will consist of temporary relocating the mailbox as required to maintain mail service during construction and permanently reinstalling the mailbox at an Engineer-approved location after construction.

TREE PRESERVATION:

Existing trees to be saved are an important asset to this project. Preserve each tree not noted for removal 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.

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!

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.

PROJECT SURVEY CONTROL:

The Project Horizontal Datum is based on Kansas State Plane Coordinate System using City of Wichita Network, with a Combined Adjustment Factor (CAF) of 1.000120014.

The following equations can be used for conversion:
Ground Coordinates to State Plane Coordinates = Ground x 1/CAF
State Plane Coordinates to Ground Coordinates = State Plane x CAF

The Vertical Datum used is NAVD88.

GROUNDWATER INFLUENT LINE NOTES:

The locations of influent groundwater piping sections and extraction well site electrical conduits for the City of Wichita's Gilbert and Masley project are based on record drawing information. The influent piping sections (3" black-colored HDPE pipes with green-colored stripes buried 46" deep) contain groundwater that is potentially contaminated with PCE, TCE, GIS-1,2-DCE, VC, and other contaminants, and contact with this groundwater should be avoided.

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UTILITY NOTES:

The Contractor is responsible for the support of Existing Water and Sanitary Sewer lines during utility trenching operations.

Contractor shall limit the extent of trench open overnight and weekends to less than 50 feet.

Contractor shall provide positive drainage away from all manhole covers.

All stubs and plugged pipes shall be located with green plastic tape in the same manner as risers.

The contractor shall prevent any construction debris from entering the existing sanitary sewer during construction.

The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be submitted and approved by the Sewer Maintenance Division (316-268-4073) prior to starting and by-passing of sewage flows.

All new manholes with pipe size greater or equal to 15" diameter shall have a liner system applied per City Standard Specifications and approved material list. Cost of liner is Subsidiary to the manhole.

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 shall lay a tracer wire and set test stations along all water pipe installed in accordance with city specifications and tracer wire detail on detail sheet 95, cost is subsidiary to pipe installation.

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 extension greater than one length of pipe shall require testing.

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.

Water and gas service lines serving customers are shown on the plan drawings. Not necessarily all service lines have been located. The depths of service lines have not been determined.

All service line under street pavement shall be installed by trenchless methods. In general, meters should not be located under pavement, sidewalks or driveways.

All water line installations 16" and greater in diameter shall utilize restrained joint pipe in place of thrust blocks. The contractor is responsible for determining the required number of restrained joint fittings to provide adequate thrust restraint.

All water valves being abandoned shall have the cans removed and the space filled with sand. Removals are Subsidiary to "Removal of Existing Structures".

The bid item "Water Meter Adjusted" will involve removal of the existing box, ring and lid and installing a new box, ring and lid at the final surrounding grade at a location near the existing meter.

The bid item "Short Service" and "Long Service" will involve installing a new box, ring and lid, and reinstalling the existing meter as near to the existing meter as practical. The station and offset noted in the Summary of Quantities are to the existing meter.

Work required for the bid item "MH Adjusted" shall include adjusting the elevation of the manhole ring and lid to match the final plan grade in accordance with the City's standard specifications.

Work required for the bid item "MH Adjusted w/ New Ring & Cover" shall include providing a new City-standard ring and lid in addition to adjusting the elevation of the manhole ring and lid to match the final plan grade in accordance with the City's standard specifications.

At locations where Westar poles are located in the path of proposed sidewalks, contractor shall warp sidewalk gently around the Westar pole, maintaining full sidewalk width. The engineer shall approve all sidewalk changes prior to construction.

Contractor shall contact Westar to support utility poles during construction excavations occur close to Westar utility poles.

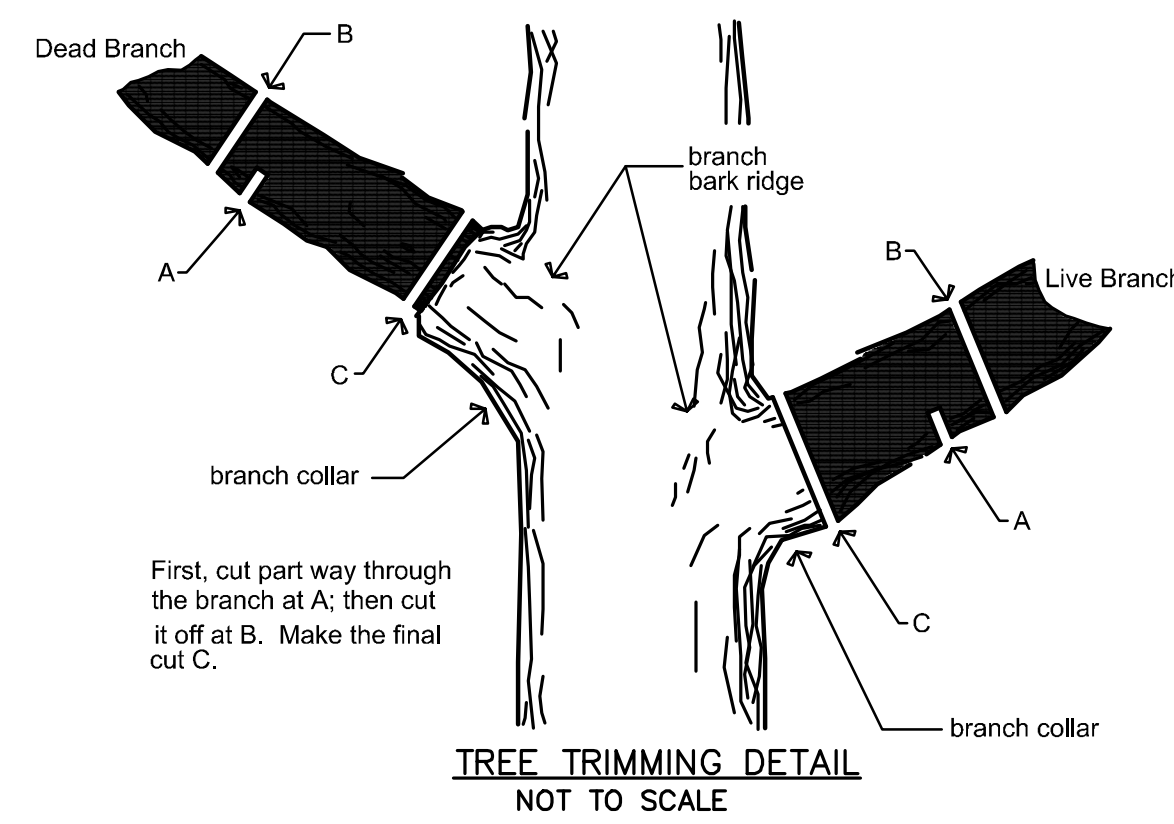
STREET IMPROVEMENTS FOR MT. VERNON IMPROVEMENTS BROADWAY TO SOUTHEAST BLVD.

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GENERAL NOTES

Table with 2 columns: PROJECT NO., DATE, SCALE, DESIGNED, DRAWN, CHECKED, NO., REVISION, DATE. Values: 87 N-0660-01, 8/19/2019, NONE, JRA, RAM, JRA

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