

GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
- Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:
 Kansas One-Call 687-2470
 The Contractor must notify the following in case of an emergency:
 AT&T 1-800-246-8464
 Black Hills Energy 1-800-694-8989
 City of Wichita Water & Sewer Dept. 1-316-219-8921
 City of Wichita Stormwater 1-316-268-4090
 City of Wichita Traffic 1-316-268-4034
 Cox Communications 1-888-249-3530
 Kansas Gas Service 1-888-482-4950
 Westar Energy 1-800-544-4857
 CenturyLink (formerly Level 3) 1-877-366-8344
- Utility service lines, poles, etc. are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- 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, in the opinion of the Engineer, that 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 will 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 will require additional archaeological investigations unless buried in a previously approved borrow location.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.
- The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
- The Water Distribution Division 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, valve boxes or fire hydrants damaged during construction shall be repaired by Contractor at his own expense. Valve boxes and water meters within the project limits shall be adjusted to match field grades.
- A traffic control plan must be submitted and approved by the City Traffic Engineer, Brian Coon at traffic@wichita.gov before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction zone markings and signage shall conform to the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) as published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractors responsibly.
- The contractor must maintain 2 lanes (one in each direction on Lincoln and Hillside)
- Access to driveways shall be maintained at the end of each working day
- Access to Holyoke, Rutan, Vassar and Clifton may be restricted from Lincoln. Vassar, south of Lincoln must have access via Bayley at that time

WATER GENERAL NOTES:

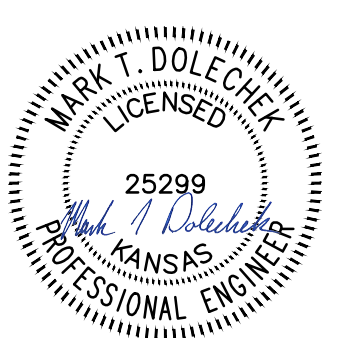
- All elevations shown are NAVD 88.
- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions. Contractor to sod all yards and grassy areas disturbed by construction.
- Excess dirt generated from installation of underground utilities is to be removed from this site.
- Contractor to provide inlet protection at all inlets susceptible to receiving sediment from construction activities. Contractor shall be responsible for preventing dirt and sediment from leaving the site via track out or in stormwater runoff.
- Saw cutting shall be subsidiary to pavement removal.
- Pavement removal limits must extend one foot past the excavation limits for the trench.
- Pavement markings shall be restored following construction.
- Where flowable fill backfill is used the flowable fill shall be brought to within 12" from the bottom of the pavement. The remaining 12" shall be backfilled with crushed rock base. Trenches that do not require flowable fill backfill shall be backfilled with suitable material compacted to 95% with a 6" crushed rock base.
- 8" Reinforced concrete shall be reinforced with 6x12 - W4xW4 wire. Edges to be tied in with No. 4 rebar, 20" long on 30" centers. Bars are to be epoxied in.
- Monolithic curb shall be placed where curb and gutter is removed. Curbs shall be lowered for existing driveways and ramps. Removal of existing curb is subsidiary to pavement removal.
- 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 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 WL-101, 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.
- Requests for short term water interruptions shall be made to the City Water Distribution Division and will be subject to their approval. The Contractor shall give written notice to any property owner, business, and/or tenants that will have water service interrupted at least 5 days in advance. Such notifications should indicate the time and date that the water will be turned off and when the service will be restored. No business, property owner, and/or tenants shall be without water service for more than 8 hours. Proposed tie in locations which will affect water service to property owners shall be performed during non-peak hours.
- The Contractor must schedule the connections to the existing main with the City such that there is a minimum disruption of service. Connections shall be made during periods of low water usage. The Contractor shall submit his proposed schedule for completing work for City approval at least 10 days prior to beginning construction.
- Deflections at pipe joint or couplings shall not exceed the pipe manufactures recommended maximum. Where deflections are greater than the maximum allowed, the contractor shall utilize fittings.
- Any existing joint exposed during excavation shall be replaced if within four feet of proposed joint.
- All Cuts & Caps of lines that will remain connected to LIVE Mains need to be within 2 feet of the connection.
- Valves 12 inch and larger are to be operated by the City Water Distribution Division, 48 hours of advance notice is required with the water Dispatch at 316-219-8921.
- Where notes call out to install tapping sleeves and tapping valves, the City of Wichita will provide and install. The valve box will be provided by the City of Wichita and INSTALLED BY THE CONTRACTOR. The Contractor must install the blocking and the valve box, with the valve box installed at grade. All other fittings shall be considered subsidiary to the project.
- The Contractor shall protect from damage and support existing utilities through constructions as approved by the utility owner and the Engineer at the contractors expense.
- Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.
- No shrink or swell factors have been applied to the earthwork quantities shown on this project. All earthwork quantities are based on raw surface volume comparisons.
- All water service lines that cross the sanitary sewer shall maintain 2' of vertical clearance.
- Valves to be abandoned that are located in pavement that is not being removed as part of this project, shall have the lids removed & valve box filled with concrete. All other valves to be abandoned shall have the valve box removed.
- All valves and fire hydrants to be removed shall be removed with care and salvaged to the City of Wichita.
- All water mains that are to be abandoned shall be capped or plugged at all open ends of pipe or fittings.

SS GENERAL NOTES:

- SS Line 1 is to be constructed last, including following completion of the proposed water lines.
- Connecting to Existing Manholes:
 The contractor shall not use existing pipe or pipe stubs into existing manholes. The contractor shall remove the existing pipe and connect to the existing manhole connection point with new pipe. Prior to laying sewer lines using existing connection points, the Contractor shall expose and verify the elevation, grade and alignment of existing connection point and notify the Engineer of any deviation from the plans.
 Where connection to an existing manhole that does not have an existing connection point or the connection point is unusable due to elevation grade or alignment, the Contractor shall bore cut into existing manhole wall to make connection. All connections shall be made using approved water stop gasket, and reshape the existing manhole invert to provide smooth flow. In addition to the water stop gasket the pipe shall be grouted in with non-shrink grout for all brick manholes.
 The cost to connecting to existing manholes is incidental to the project.
- Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.
- Contractor shall provide positive drainage away from all manhole covers.
- 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. Contractors 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.
- Any over excavation from manhole and pipe removal shall be backfilled with AB-3 compacted to 90-95% ASTM D698.
- City Maintenance of sanitary sewer mains ends at right-of-way or easement line.
- The Contractor shall protect from damage and support existing utilities through constructions as approved by the utility owner and the Engineer at the contractors expense.
- No shrink or swell factors have been applied to the earthwork quantities shown on this project. All earthwork quantities are based on raw surface volume comparisons.
- Sanitary sewer main under pavement shall have flowable fill backfill. Excess excavated material due to backfill shall be removed from site. Removal shall be subsidiary to flowable fill backfill.



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Digitally Signed 04/11/2019

REV.	DATE	DESCRIPTION	BY



CITY OF WICHITA
 WICHITA, KANSAS
 LINCOLN STREET
 WATER AND
 SANITARY SEWER

General Notes

JOB NO.: 18267014
 DATE: JAN. 2019
 DESIGNED BY: MTD
 DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

File: L:\2018\18267014 - Lincoln Street Water and SS WichitaDrawings\C3D\18267014-Water Details.dwg Last Save: 4/10/2019 5:37 PM Last saved by: MTDolechek
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