

GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
 - Maintain a minimum of 10-foot horizontal separation between all water lines (mains, services, and fire hydrants) and all sanitary sewer lines (mains, services, and manholes). All separation distances are to be measured from edge-to-edge, at the closest point.
 - Maintain a minimum of 2-foot vertical separation between all water lines (mains and services) and all pressurized sanitary sewer lines (force mains and services) at crossings. Waterlines must always be placed above pressurized sanitary sewer lines where they cross. All separation distances are to be measured from edge-to-edge, at the closest point.
 - Maintain a minimum of 2-foot vertical separation between all water lines (mains and services) and all pressurized sanitary sewer lines (force mains and services) at crossings. Waterlines must always be placed above pressurized sanitary sewer lines where they cross. All separation distances are to be measured from edge-to-edge, at the closest point.
- 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	887-2470
AT&T	1-800-246-8464
Block Hills Energy	1-800-694-6989
City of Wichita Water & Sewer	1-316-219-6921
City of Wichita Stormwater	1-316-269-4380
City of Wichita Traffic	1-316-269-4034
Com Communications	1-800-249-3530
Kansas Gas Service	1-888-462-4650
Energy	1-800-544-4857

The Contractor must notify the following in case of an emergency:
- 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 right-of-way which do not conflict with proposed construction.
- Disposal of the removal of miscellaneous structures and excess excavation which is to be retained shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer or 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 food 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 archeological 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 City 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 adjoining the construction at 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 the construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
- The Engineering Division shall field locate water valve 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 and 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 by the contractor.
- The Contractor shall notify the consultant engineer and Dawnita Reinhardt at 316-850-0740 with the City of Wichita with the consultant's construction start date and notify them of project completion. Staking and inspection for this project will be the responsibility of the Contractor.

Construction Began: 18 December 2023
Construction Ended: 02 February 2024

- If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer 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 Manual on Uniform Traffic Control Devices (MUTCD) as published by the U.S. Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractor's responsibility.
- All elevations shown are NAVD83.
- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions per City specifications.
- Any sidewalk, drive approach, curb, or street pavement removed to construct project must have a pavement cut permit and be replaced by the City contractor. Permits can be obtained by calling 316-268-4501 or 316-268-4480.
- All applicable fees (top, equity, in lieu of & main benefit) must be paid before any work on this project can commence. Quotes can be obtained on fees by calling 316-268-4555.
- City maintenance of water mains ends at right-of-way.
- Opening and closing of water valves shall be done slowly to avoid damage to the water distribution 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 buy a Tracer Wire and Set Test Station 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 bypass of waterlines. Connections to the existing waterline(s) shall be made with clean, swaged 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 manufacturer's 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.
- Valves 12 inches and larger are to be operated by the City Water Distribution Division, 48 hours of advance notice is required.
- All wet taps shall be installed by the City of Wichita. The contractor will reimburse the City for tapping fees prior to tap being made. Unless noted on plans.
- The Contractor shall protect from damage and support existing utilities throughout the project as approved by the utility owner and the Engineer at the contractor's expense.
- Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.
- Wichita Fire Department inspections may be scheduled by calling Dawnita Reinhardt at 316-850-0740.

All existing and proposed erosion control measures including silt fencing, erosion control mat, straw bales, inlet barriers, and cost entrance shall be maintained throughout construction by the contractor and until project is accepted by the City of Wichita. The on-site engineer shall complete weekly reports on the status of erosion control measures. The contractor shall be required to comply with maintenance and/or replacement of erosion control measures as determined by the on-site engineer until project is accepted by City of Wichita. Maintenance and/or replacement of erosion control measures to be paid by L.S. bid item "Maintain Existing BMP's".

All excess excavation shall remain on-site and shall be spread on adjacent lots.

All areas disturbed during construction are to be seeded as follows:

Seed --- Ryegrass: 5 lbs./1000 Sq. Ft.

All costs associated with seeding including mobilization, preparation of ground, seeding, fertilizing, mulching, etc. shall be included in the L.S. bid item "Seeding".

An additional bid item for "Seeding, Temporary" has been included and may be used at the discretion of the design engineer. Temporary seed shall be Annual Ryegrass at 5 lbs./1000 Sq. Ft. unless otherwise noted and shall be planted when permanent seed or sod cannot be used due to seasonal limitations. If the "Seeding, Temporary" bid item is not used, 100% of the pay item will be deducted from the contract. All costs associated with temporary seeding including mobilization, preparation of ground, seeding, etc. shall be included in the L.S. bid item "Seeding, Temporary".

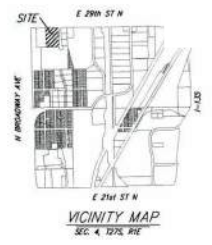
The Contractor shall not begin work on the project until the Project Inspector is assigned and on site. Any work completed without inspection will be required to be uncovered for inspection at the Contractor's expense.

AS-BUILT PLANS

WATER DISTRIBUTION SYSTEM
to serve
ALL METAL RECYCLING
2ND ADDITION
EMPORIA CIRCLE at 29th STREET N.
CITY OF WICHITA, KANSAS

Paul Gunzelman, P.E. City Engineer
2023-036522PPW
54030980

Baughman No.: 23-12-E685



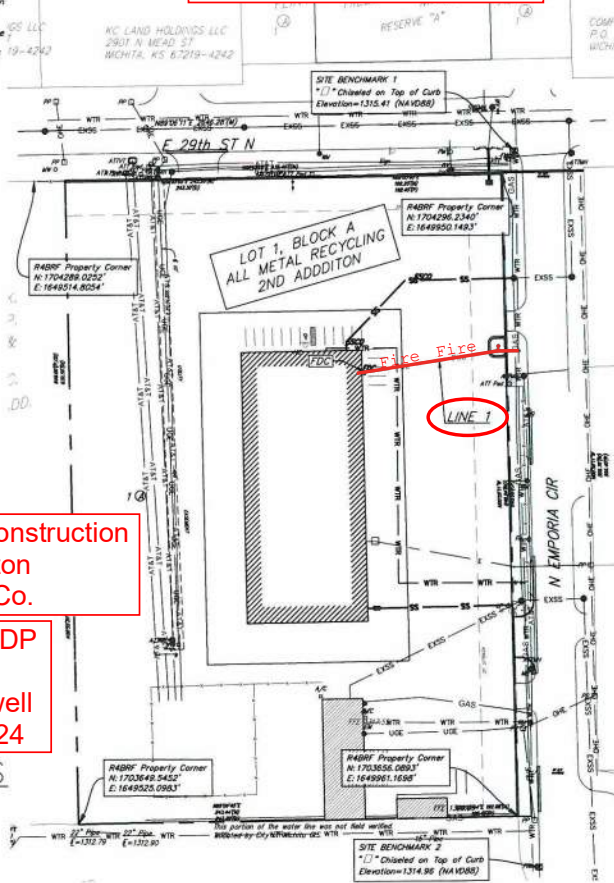
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6", 8" PVC Pipe = Sanderson Pipe
6", 8" DICT Pipe = McWane Ductile
FH Assy. = Clow
All Valves = Clow

Contractor: Pearson Construction
Inspector: James Ralston
Baughman Co.

As-Built By: JAR & LDP
As-Built Date: 2-6-24
Revised By: Larry Powell
Revised Date: 2-9-2024



BENCHMARKS

SITE BENCHMARK 1
 * 1' Chained on Top of Curb
 Elevation=1315.41 (NAVD83)

SITE BENCHMARK 2
 * 1' Chained on Top of Curb
 Elevation=1314.96 (NAVD83)

APPROVED AS NOTED
BY WICHITA PUBLIC WORKS
ENGINEERING DIVISION
& BY WICHITA FIRE DEPARTMENT

Engineering Approved by Shawn Melles PE (11/21/2023)
 Utilities Approved by Greg Lolley (11/21/2023)
 Fire Dept. Approved by Battalion Chief, Jose Orosco (11/21/2023)

NOTE TO CONTRACTORS

Public Property:
 Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection is to be in accordance with the City of Wichita standard construction engineering practices and certified by a Professional Engineer Licensed in the state of Kansas. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by City Engineering. All Construction and Materials shall comply with the City of Wichita Specifications and Standards and Special Provisions (on file and available in the City Engineer's Office) or on the City's Website.

Private Property:
 Installation and testing for the fire protection line is to be performed by a City of Wichita licensed fire protection contractor in accordance with the fire codes as adopted by the City of Wichita. All material and construction practices for the fire protection line shall comply with the fire codes as adopted by the City of Wichita (available from the City of Wichita Fire Department). The Contractor shall not commence work without notification and approval of the Wichita Fire Department. Inspection of the fire protection line is to be provided by a licensed Engineering Firm under contract with the Owner/Developer and the Fire Department. The contractor shall not start work until the project inspector is assigned to the project and present on the site. Any work done without inspection will be required to be uncovered for inspection.

An approved copy of these plans signed by City staff are required on-site.



November 21, 2023

BAUGHMAN COMPANY
 315 Ellis St. Wichita, KS 67211 316-262-7271
 BaughmanCo.com

SITE BENCHMARK 1
 * Observed on Top of Curb
 Elevation=133.41 (NAVD83)

SITE BENCHMARK 2
 * Observed on Top of Curb
 Elevation=134.96 (NAVD83)

WL 1 Sta. 0+00 - 8" Tapping Sleeve
 226' South / 26' West
 CL of 29th St. N. & Emporia Circle.

WL 1 Sta. 0+01 - 8" Tapping Valve
 226' S. & 27' W. CL of 29th St N. & Emporia

WL 1 Sta. 0+00
 N= 1,704,119.68
 E= 1,649,965.77
 TAP VB Elev. =
 1315.85

WL 1 Sta. 0+20 - Fire Hydrant
 224' South & 48' West of
 CL of Intersection of 29th Street N. &
 Emporia Circle.

Sta. 0+26 = 6" Valve:
 VB (W) Elev = 1317.25
 N: 1,704,117.23
 E: 1,649,942.89
 See Sh. 10 for Sketch.

WL 1 Sta. 0+21 - 8"x6" Reducer
 228' South & 49' West of
 CL of Intersection of 29th Street N. &
 Emporia Circle

WL 1 Sta. 0+23 - 6" Gate Valve
 228' South & 51' West of
 CL of Intersection of 29th Street N. &
 Emporia Circle

WL 1 Sta. 0+26 - 6" Sleeve
 228' South & 53' West of
 CL of Intersection of 29th Street N. &
 Emporia Circle.

WL Sta. 1+62.40, Water Line 1
 1 - 6" CIMJ 90° Bend (V)
 1 - 6" DICL Pipe 6.00 L.F (V)
 Top Riser Flange Elev. = 1319.77
 N: 1,704,098.98 E: 1,649,802.30

WL 1 Sta. 0+20 - 6" FH Gate Valve
 227' S & 48' W CL of 29th St N. & Emporia

NOTES:

- 1) No Building Existed at this time.
- 2) See Sheet 10 for Items Installed from Sta. 0+21 to 0+26.
- 3) WL-1 Alignment Shifted 1' to South at Fire Hydrant.

Tapping Fee:
 Tapping of existing water main will be scheduled after contractor makes payment to the City for tapping fees. Prior to City Crew Tapping Water Main, Utility Contractor to expose existing 4" High Pressure Gas Line, to verify depth and contact with West Top of Water Main.

Riser Note:
 DICL riser pipe, CIMJ Bend, & DICL horizontal section existing building foundation wall one to be mega-lugged together and riser is to be extended 12" above Building FTE. Riser location is approximate, building GC is required to locate Riser location per the foundation requirements. Utility Contractor to install blind flange with 2" tap for testing. Remove flange & tap upon acceptance.

Reverse Tapping Note:
 A Reverse tap will only be used if necessary. Utility Contractor will expose existing 4" High Pressure Gas Line, to verify conflict with tapping Water Line on the west side of existing water main. Contact Jim Suggin at (316)219-5521 to verify it is necessary after the tap location has been excavated.

The reverse tap should be omitted if the existing gas line will provide safe clearance for city crews to complete a tap of the water main and the installation of the fire line.

City Crews to Tap Water Main on West side, if Reverse Tap is omitted. Contractor to delete 2'-0" of 8" DICL & 2'-0" 90° CIMJ Bends if a Reverse Tap is omitted.

Reverse Tap Not Required

4" Kansas Gas Line
 N= 1,704,119.58
 E= 1,649,961.42
 TP Elev = 1313.75

2" Kansas Gas Line
 N= 1,704,119.83
 E= 1,649,964.73
 TP Elev = 1313.51

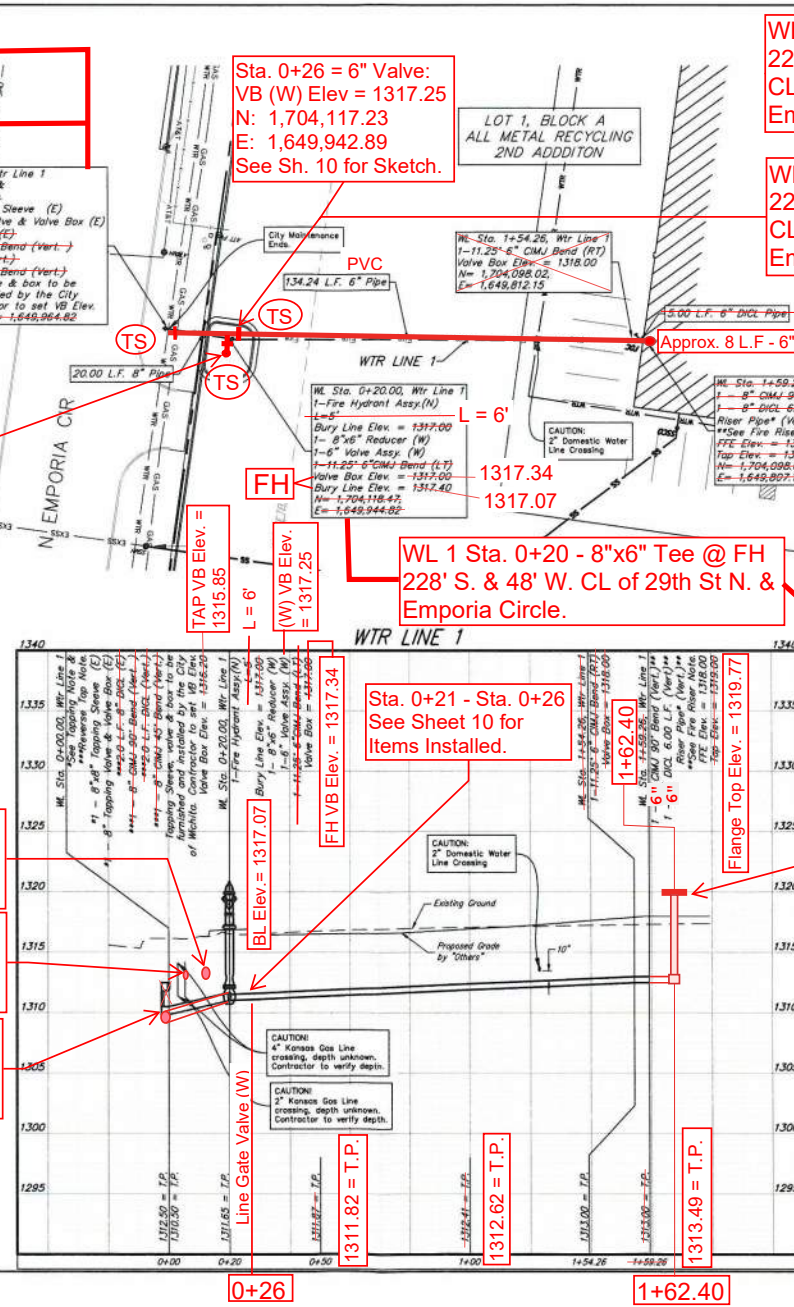
Water Main Tap
 N= 1,704,120.01
 E= 1,649,967.25
 TP Elev = 1310.66

Sta. 0+21 - Sta. 0+26
 See Sheet 10 for
 Items Installed.

Sta. 1+62.4
 Top Riser Flange
 Elev = 1319.77
 N: 1,704,098.98
 E: 1,649,802.30

FDC = Fire Department
 Connection
 (Not Part of PPW)

TS = TEST STATION



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ALL METAL RECYCLING
 2ND ADDITION

LINE 1
 WATER DISTRIBUTION
 SYSTEM
 PROJECT NUMBER:
 23-03-E453
 DESIGN PB DRAWN LT
 DATE November 21, 2022
 SHEET 2 OF 9

Allmetals Recycling 2nd Addition
COW #2023-036522 PPW
Water Line 1: As-Built from Sta. 0+21 - Sta.0+26.
Profile View

