

# SANITARY SEWER to serve PORTION OF FERRELL'S, MIDTOWN 3RD, & MUNGERS ORIGINAL TOWN ADD.

**WICHITA, KS**

1025 N MAIN ST

Paul Gunzelman, P.E. City Engineer

Project Number

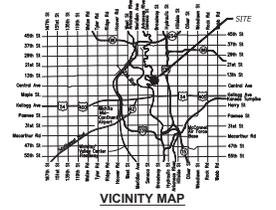
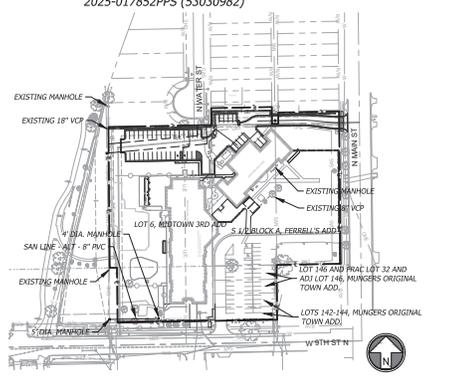
2025-017852PPS (53030982)

5448A

SS1-05

**GENERAL NOTES:**

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standards 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 1-800-248-8484
    - Black Hills Energy 1-800-244-5889
    - City of Wichita Water & Sewer 1-316-258-8221
    - City of Wichita Stormwater 1-316-268-4290
    - City of Wichita Traffic 1-316-268-0234
    - Cox Communications 1-888-249-5530
    - Kansas Gas Service 1-888-482-4892
    - Energy 1-800-544-4857
- Utility service lines, poles, etc. one 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 the owner during construction. Existing utilities and their location, as shown on the plans, represent the best information available 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 reused 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 cleared 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 buried or stockpiled beyond approved construction limits will require additional archeological investigations unless buried in a previously approved borrow location.
- The 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 of this project a minimum of ten (10) days notice prior to the start of construction.
- The Contractor shall be responsible for preserving property lines. The Contractor will be required to re-establish any property lines which are damaged or destroyed by their construction operations. Such lines shall be re-established by a licensed land surveyor in accordance with state laws.
- The Engineering 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 the Contractor at their own expense. Valve boxes and water meters within the project limits shall be adjusted to match final grades by the Contractor.
- The Contractor shall notify the inspecting engineer and Dennis Reinhardt at 316-268-4274 with the City of Wichita with the anticipated construction start date and notify them of project completion. Staking and inspection for this project will be the responsibility of the Contractor.
- If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Mike Arns at 316-268-4274 before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction site markings and signage shall conform to the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) or published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractor's responsibility.
- 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.
- Any sidewalk, drive approach, or street pavement removed to construct project must have a pavement out permit and be replaced. Only City contractor permits can be obtained by calling 316-268-4501 or 316-268-4450.
- All applicable fees (tap, equity, in lieu of main benefit) must be paid before any connections can be made on this project. Quotes can be obtained on fees by calling 316-268-4555.
- City maintenance of sanitary sewer mains ends at last structure within easement or right-of-way.
- All stubs and copped pipe shall be located with green plastic tape to the same manner as risers.
- Connecting to Existing Manholes: Prior to laying sewer lines using existing stubs in existing manholes, the Contractor shall expose and verify the elevation, grade and alignment of existing stubs and notify the Engineer of any deviation from the plans. Before the stub is unusable due to elevation grade or alignment, the Contractor shall remove the stub and plug the hole, and reshape the existing manhole insert to provide a smooth flow. Where connecting to an existing manhole that does not have an existing stub, the Contractor shall cut into existing manhole wall to make connection using approved water stop gasket, and reshape the existing manhole insert to provide smooth flow. The cost to connecting to existing manholes is incidental to the project.
- Contractor shall limit the extent of trench open overnight and seaward 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. Contractor 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 #8-3 compacted to 90-95% ASTM D908.
- 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.
- All existing topographic, survey, and utility information shown was provided by BHC. BHC makes no guarantee as to the accuracy of the existing conditions of the site and have all utilities located prior to commencing construction.
- The Contractor shall be required to obtain all Federal, State, and Local permits required for this project prior to commencing construction.
- The Contractor shall be required to demolish, remove and dispose of all existing structures, pavements, and features necessary to construct the improvements shown hereon. Any waste materials generated during construction shall be removed from the site by the Contractor and disposed of in accordance with all Local, State, and Federal regulations governing such disposal.
- The Contractor shall be solely responsible to protect adjacent property, structures, and other improvements from damage during construction. In the event of damage to adjacent property, structures, or improvements, the contractor shall repair or replace such damage to the Owner's satisfaction at the Contractor's expense.
- Contractors at the site shall be solely responsible for jobsite safety for all aspects of work shown hereon.
- Any and all hazards shall be properly identified and barricaded from access during all non-construction periods.



Sheet #	Sheet Title
01	COVER SHEET
02	KEY MAP
03	SANITARY SEWER PLAN & PROFILE
04	PRECAST SANITARY SEWER MANHOLE DETAIL
05	MANHOLE RISER & COVER SANITARY SEWER
06	CLEANOUT RISER ASSEMBLY SANITARY SEWER
07	EROSION CONTROL PLAN
08	EROSION DETAIL S01
09	EROSION DETAIL S02
10	EROSION DETAIL S03
11	EROSION DETAIL S04
12	EROSION DETAIL S05

**APPROVED AS NOTED BY WICHITA PUBLIC WORKS ENGINEERING DIVISION**

Engineering approved as of 12/10/2025 by Bethany Malley and Scott Macey

Utilities approved as of 12/10/2025 by Bethany Malley and Scott Macey

**NOTE TO CONTRACTORS**

Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Soil inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer in the state of Kansas. No work shall be performed 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 current City of Wichita Specifications and Standards and Special Provisions, (on file and available at Wichita.gov).

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

**AS-BUILTS**

Contractor: **Apex**

Project Inspector: **Patric Oden**

**KEMILLER ENGINEERING**

117 E. Linn, Wichita, KS 67202 (316)268-0242

Date: 2/14/2026

**OWNER/DEVELOPER**

CITY OF WICHITA  
1025 N MAIN ST  
WICHITA, KS  
P. 316-262-4482

**SURVEYOR OF RECORD**

BHC  
165 S ROCK ISLAND AVE., SUITE 150  
WICHITA, KANSAS 67202  
P. (316) 265-0000  
CONTACT: MARK SAVOY  
EMAIL: MARK.SAVOY@BHC.COM

**CIVIL ENGINEER**

BHC  
165 S ROCK ISLAND AVE., SUITE 150  
WICHITA, KANSAS 67202  
P. (316) 265-0000  
CONTACT: MICHAEL MAKRAIS, P.E.  
EMAIL: MIKE.MAKRAIS@BHC.COM

**SUBMITTED BY:**

**BHC**  
WICHITA, KANSAS

2025-12-10

DATE

City of Wichita  
Sanitary Sewer Improvements  
Emergency Winter Shelter  
Wichita, KS

Project No. 53030982

Sheet No. 01

Scale: 1" = 100'

Revision Table:

No.	Date	Description
1	12/10/2025	ISSUED FOR CONSTRUCTION

Michael T. Macey, PE  
KAPSA 04-2821

BHC  
117 E. Linn, Wichita, KS 67202  
316-268-0242

City of Wichita  
1025 N MAIN ST  
WICHITA, KS  
316-262-4482

Sanitary Sewer Improvements  
Emergency Winter Shelter  
Wichita, KS

Sheet No. 01



PROJECT CONTROL TABLE  
(NAD83 KANSAS STATE PLANE, SOUTH ZONE, US SURVEY FOOT)

POINT NO.	CONTROL POINT/ BENCHMARK DESCRIPTION	GROUND VALUE NORTHING COORDINATE	GROUND VALUE EASTING COORDINATE	ELEV.	GRID VALUE NORTHING COORDINATE	GRID VALUE EASTING COORDINATE
50	1/2" REBAR W/CONTROL POINT CAP	168098.36	164817.95	1304.83	168092.03	1647928.54
51	1/2" REBAR W/CONTROL POINT CAP	1691433.80	1648064.79	1306.87	1691230.51	1647976.59
52	1/2" REBAR W/CONTROL POINT CAP	1691211.33	1648064.23	1305.84	1691016.87	1647976.63
53	1/2" REBAR W/CONTROL POINT CAP	1691004.70	1648064.08	1304.88	1690810.36	1647976.64
54	1/2" REBAR W/CONTROL POINT CAP	1691188.47	1648068.72	1304.85	1690995.11	1648076.27
55	1/2" REBAR W/CONTROL POINT CAP	1691461.23	1648056.49	1305.27	1691266.84	1648367.03

**LEGEND**

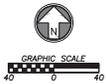
- (M) MEASURED
- (RP1) RECORD PLAT (CHILTON ADD)
- (RP2) RECORD PLAT (MCDERMOTT ADD)
- (RP3) RECORD PLAT (DALE FREY ADD)
- (R) RECORD GRID DISTANCE
- (P) PLATTED
- (D) DESCRIBED
- FOUND 3/8" REBAR (ORIGIN UNKNOWN)
- SET 1/2"x24" REBAR WITH #13408" REBAR
- ▲ FOUND 1/2" REBAR (ORIGIN UNKNOWN)
- ▲ FOUND 5/8" REBAR (ARMSTRONG)
- ▲ FOUND 3/4" IRON PIPE WITH TRIMBLE
- ⊠ CALCULATED POINT
- SET MANHOLE
- ⊕ ELECTRIC BOX
- ⊖ POWER POLE
- ⊞ ELECTRIC TRANSFORMER
- ⊟ TELEPHONE RISER
- ⊠ CABLE RISER
- ⊠ GUY ANCHOR
- SANITARY SEWER MANHOLE
- WATER VALVE
- BOLLARD
- LIGHT POLE
- DECIDUOUS TREE (SIZE NOTED)
- GUARDRAIL
- FENCE
- OVERHEAD ELECTRIC
- UNDERGROUND PLYWOOD LINE
- GAS LINE
- UNDERGROUND ELECTRIC LINE
- SANITARY SEWER LINE
- SANITARY SEWER SERVICE LINE
- SANITARY SEWER MANHOLE

**COORDINATE LEGEND**

- POINT LOCATION INDICATOR

**SANITARY SEWER LINE POINTS**

PNTR#	EASTING	NORTHING	DESCRIPTION
1	1648087.7294	1691504.3749	EXISTING MANHOLE
2	1648094.8855	1691028.3227	5" DIA. MANHOLE
3	1648003.3163	1691030.8196	4" DIA. MANHOLE
4	1648003.3940	1691138.4429	EXISTING MANHOLE



Rev.	Date	Description	By	App.



Michael T. Mahala, PE  
Kansas License 20041



BHC  
BIOLOGICAL HAZARDOUS CONSULTANTS  
1100 N. MAIN ST., SUITE 100  
WICHITA, KS 67202  
316-942-4842

Prepared For: **CITY OF WICHITA**  
**WICHITA, KS**

**SANITARY SEWER IMPROVEMENTS  
EMERGENCY WINTER SHELTER  
WICHITA, KS**

**KEY MAP**

Drawn: 1/17/25  
Checked: MTR  
Date: 07/10/25  
Project Number: 017252

02



