SANITARY SEWER IMPROVEMENTS

TO SERVE
MPK ADDITION
CITY OF WICHITA
SEDGWICK COUNTY, KANSAS
JUNE 2023

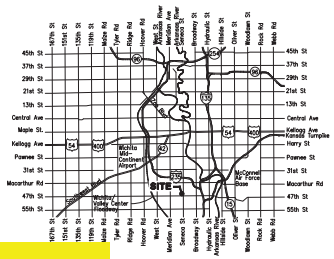
5342B

SWI-02

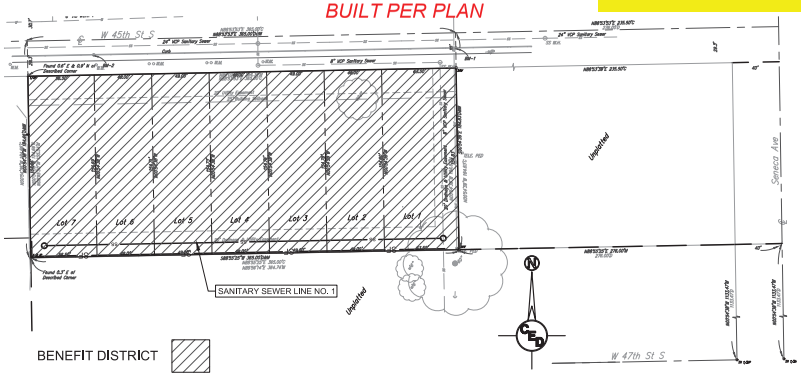
PAUL GUNZELMAN, P.E. INTERIM CITY ENGINEER
PROJECT #: 468-2023-002193
ORG CODE : 47120223
MUNIS #: E3083

BUILT PER PLAN

Apex Excavating - Contractor
S. Lowe - City of Wichita, Field Project Engineer
E. Flores - City of Wichita, Inspector
As-built
Built per plan
Release Date (for connection purposes only): 9/19/2023
Completion Date:
pdf: apr 10/27/2023



Vicinity Map



BENEFIT DISTRICT

Vicinity Map
Scale: 1"=50'

PROJECT LOCATED IN SE 1/4, SE1/4, SEC.18, T.28S., R.1E., WICHITA, SEDGWICK COUNTY, KANSAS

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GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

2. 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	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
EVERGY	1-800-544-4857

   THE CONTRACTOR SHALL NOTIFY PIPELINE COMPANIES AT LEAST 72 HOURS IN ADVANCE OF ANY WORK BEING PERFORMED ACROSS AND/OR ADJACENT TO PIPELINES.

3. 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.

4. 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. 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.

5. 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.

6. IF TRAFFIC WILL BE IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER, MIKE ARMOUR AT traffic@wichita.gov BEFORE CONSTRUCTION CAN BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO FACILITATE CONSTRICTION. ALL CONSTRUCTION ZONE MARKING 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 MARKING AND SIGNAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

7. 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.

8. 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.

9. ALL ELEVATIONS SHOWN ARE NAVD 88.

10. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.

11. 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.

12. 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. WHERE 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 INVERT TO PROVIDE SMOOTH FLOW. WHERE CONNECTING TO AN EXISTING MANHOLE THAT DOES NOT HAVE AN EXISTING STUB, THE CONTRACTOR SHALL CORE CUT INTO EXISTING MANHOLE WALL TO MAKE CONNECTION USING APPROVED WATER STOP GASKET, AND RESHAPE THE EXISTING MANHOLE INVERT TO PROVIDE SMOOTH FLOW. THE COST TO CONNECTING TO EXISTING MANHOLES IS INCIDENTAL TO THE PROJECT.

13. CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.

14. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.

15. THE CONTRACTOR SHALL PREVENT ANY CONSTRUCTION DEBRIS FROM ENTERING THE EXISTING SANITARY SEWER DURING CONSTRUCTION.

16. ANY OVER EXCAVATION FROM MANHOLE AND PIPE REMOVAL SHALL BE BACKFILLED WITH AB-3 COMPACTED TO 90-95% ASTM D698.

17. ALL DISTURBED AREAS WITHIN STREET RIGHT-OF-WAY SHALL BE SEEDED, MULCHED, FERTILIZED AS FOLLOWS:
    SEED: KANSAS PREMIUM FESCUE BLEND; 8 LBS./1000 Sq. Ft
    RYE GRASS (PLS); 5lbs./1000 Sq. Ft.
    FERTILIZER: 12-24-12 RATIO AT 45 lbs/Ac.
    MULCH: 2 TONS PRAIRIE HAY/Ac.
    ALL OTHER DISTURBED AREAS ARE TO BE SEEDED AS FOLLOWS:
    SEED: RYE GRASS (PLS); 5lbs./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 RYE AT A RATE OF 5 lbs./1000 Sq. Ft. UNLESS OTHERWISE NOTED AND SHALL BE PLANTED WHEN PERMANENT SEED OR SOD CANNOT BE USED DUE TO SEASONAL LIMITATIONS.

18. THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT EXISTING UTILITIES THROUGH CONSTRUCTION AS APPROVED BY THE UTILITY OWNER AND THE ENGINEER AT THE CONTRACTORS EXPENSE.

19. THE CONTRACTOR SHALL INSTALL DEWATERING SYSTEMS AS NECESSARY TO KEEP TRENCHES FREE OF WATER. IN NO CIRCUMSTANCE WILL PIPE BE LAID IN STANDING WATER. DEWATERING SYSTEMS SHALL REMAIN IN OPERATION UNTIL THE TRENCH HAS BEEN BACKFILLED. THE COST FOR THIS WORK SHALL BE SUBSIDIARY TO THE INSTALLATION OF THE PIPE.

20. ALL EXISTING AND PROPOSED EROSION CONTROL MEASURES INCLUDING SILT FENCING, EROSION CONTROL MAT, STRAW BALES, INLET BARRIERS, AND CONST. 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 THE 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 BMPS."

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW OF SEWAGE THROUGH CONSTRUCTION. CONTRACTOR'S PROPOSED METHOD OF MAINTAINING SEWAGE FLOW SHALL BE APPROVED BY THE ENGINEER. COST OF MAINTAINING FLOW OF SEWAGE THROUGH CONSTRUCTION WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER PAY ITEMS OF WORK.

DEVELOPER/OWNER:
DUSTIN EVANS
MPK INVESTMENTS, LLC
1543 S WALNUT ST
WICHITA, KS 67213

HORIZONTAL CONTROL POINTS

CP-1	N 1658398.81 E 1644492.06	IRF WITH SAVOY CAP, NE COR, MPK ADDITION
CP-2	N 1658243.59 E 1644494.48	IRF WITH SAVOY CAP, SE COR, MPK ADDITION
CP-3	N 1658236.83 E 1644129.84	1/2" IPF, SW COR, MPK ADDITION

BENCHMARK

BM-1	EL=1274.92 (NAVD88)	SQUARE CUT TOP CURB LOCATED 17' NORTH OF THE NORTHEAST CORNER OF LOT 1
BM-2	EL=1275.36 (NAVD88)	SQUARE CUT TOP CURB LOCATED 17' NORTH OF THE NORTHEAST CORNER OF LOT 7

ONE CALL KANSAS

SURVEY DISCLAIMER:
TOPOGRAPHIC SURVEY USED IN PREPARING PLANS WAS DEVELOPED BY BHC, 433 S HYDRAULIC, WICHITA, KS 67211. ENGINEER DOES NOT GUARANTEE SURVEY ELEVATIONS FOR ACCURACY. CONTRACTOR SHALL VERIFY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

REV.	DESCRIPTION	DATE

MPK ADDITION

SANITARY SEWER IMPROVEMENTS

SE 1/4 of the SE 1/4, S18-T28S-R1E
WICHITA, SEDGWICK COUNTY, KS

CERTIFIED ENGINEERING DESIGN, P.A.
CIVIL ENGINEERING SERVICES
1935 WEST MAPLE STREET
WICHITA, KANSAS 67213
PH.(316)262-8808 FAX.(316)262-1669

PERMIT SET
NOT FOR CONSTRUCTION

PROJECT NO.: 20223184
ISSUE DATE: 6/16/2023
CONTACT: L. MILLS
CHECKED BY: L. MILLS

COVER SHEET

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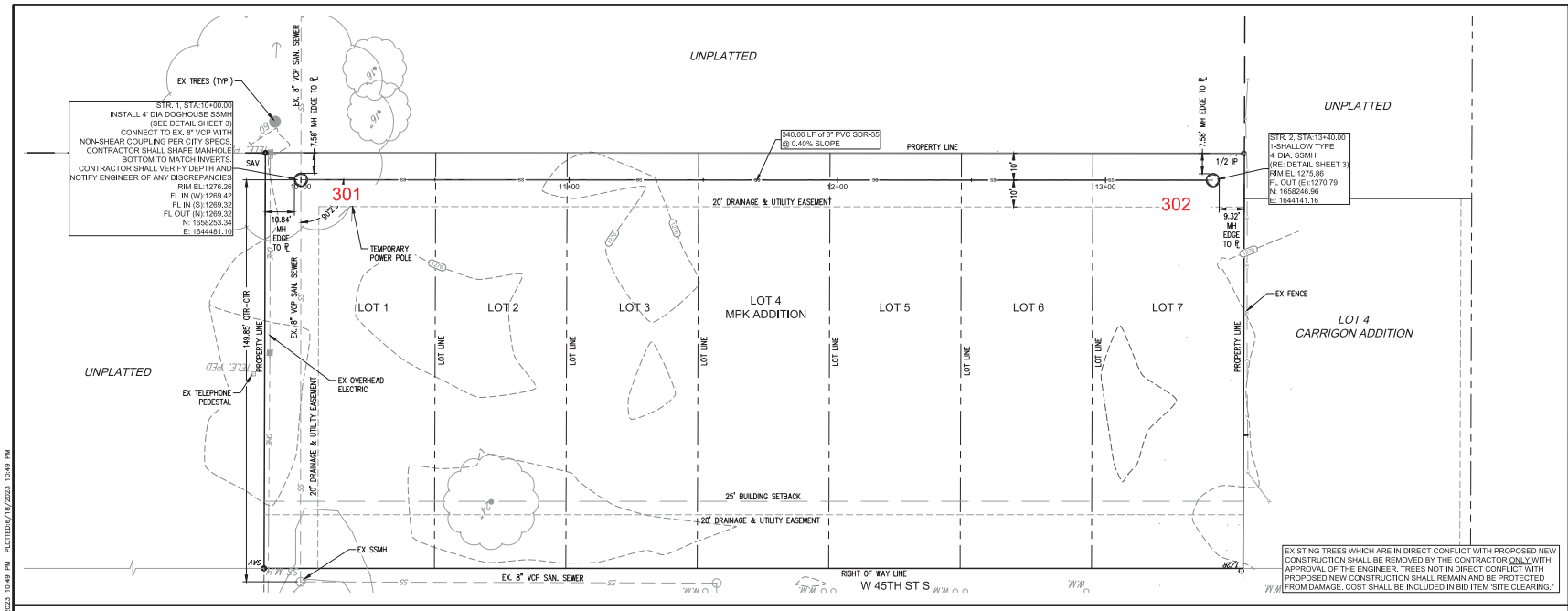
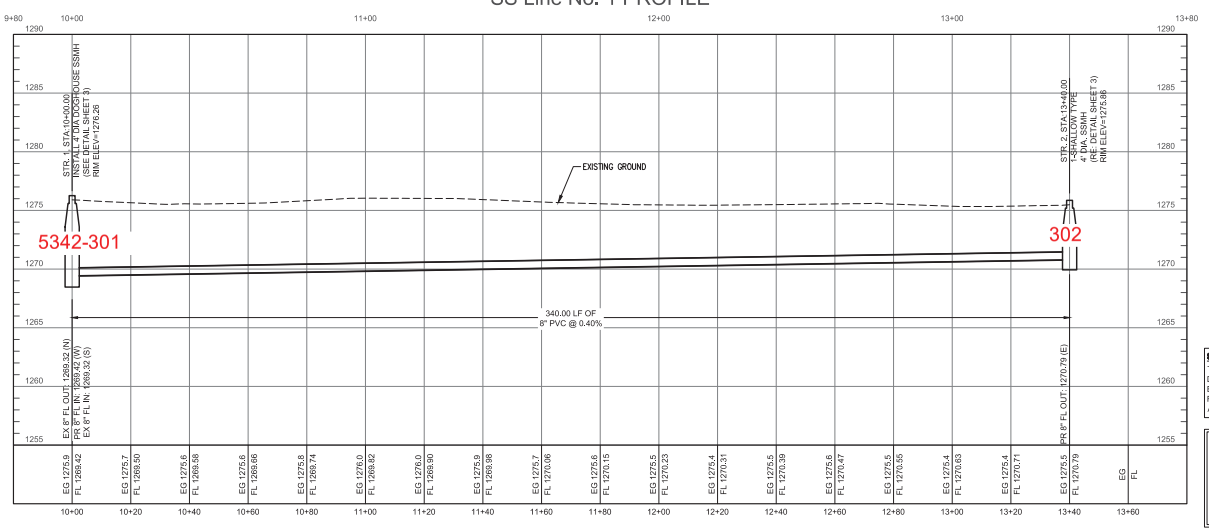
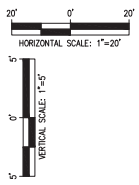


SS Line No. 1 PROFILE

BUILT PER PLAN





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UTILITIES SHOWN REPRESENT THE BEST INFORMATION AVAILABLE FOR DESIGN. ADDITIONAL UTILITIES MAY BE PRESENT ON THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY THE FAILURE TO DO SO.

REV.	DESCRIPTION	DATE

GRAPHIC SCALE
20' 0 20'
(IN FEET)
1"=20'

MPK ADDITION

SANITARY SEWER IMPROVEMENTS

SE ¼ of the SE ¼, S18-T28S-R1E
WICHITA, SEDGWICK COUNTY, KS

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SS LINE NO. 1 PLAN & PROFILE

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