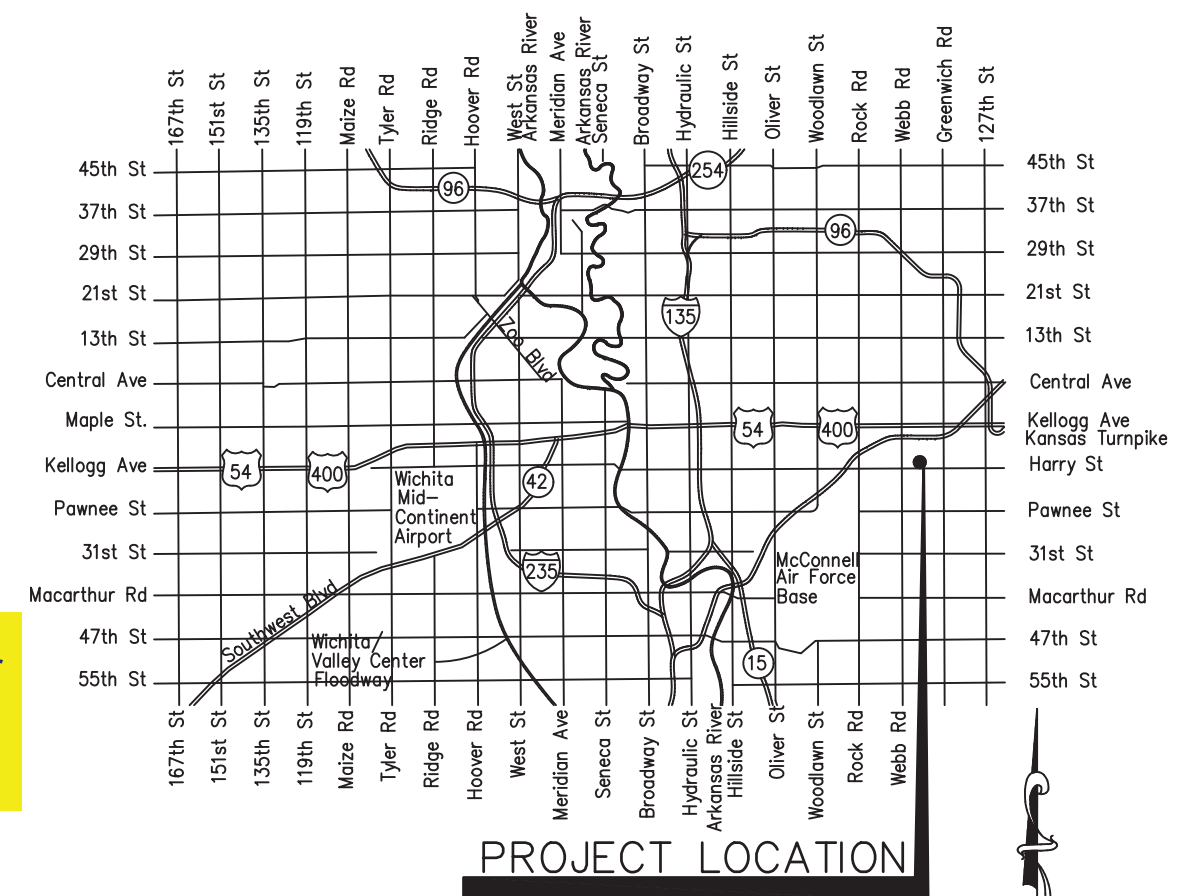


PRIVATE

SANITARY SEWER TO SERVE HARRY & TODD DUPLEXES CITY OF WICHITA, KANSAS

GARY JANZEN, P.E. CITY ENGINEER
PROJECT NUMBER
PPS-2020-038167 (53030982)

D. Reinhardt - City of Wichita, Inspector
Release Date: 1/20/2023
: apr 1/27/2023

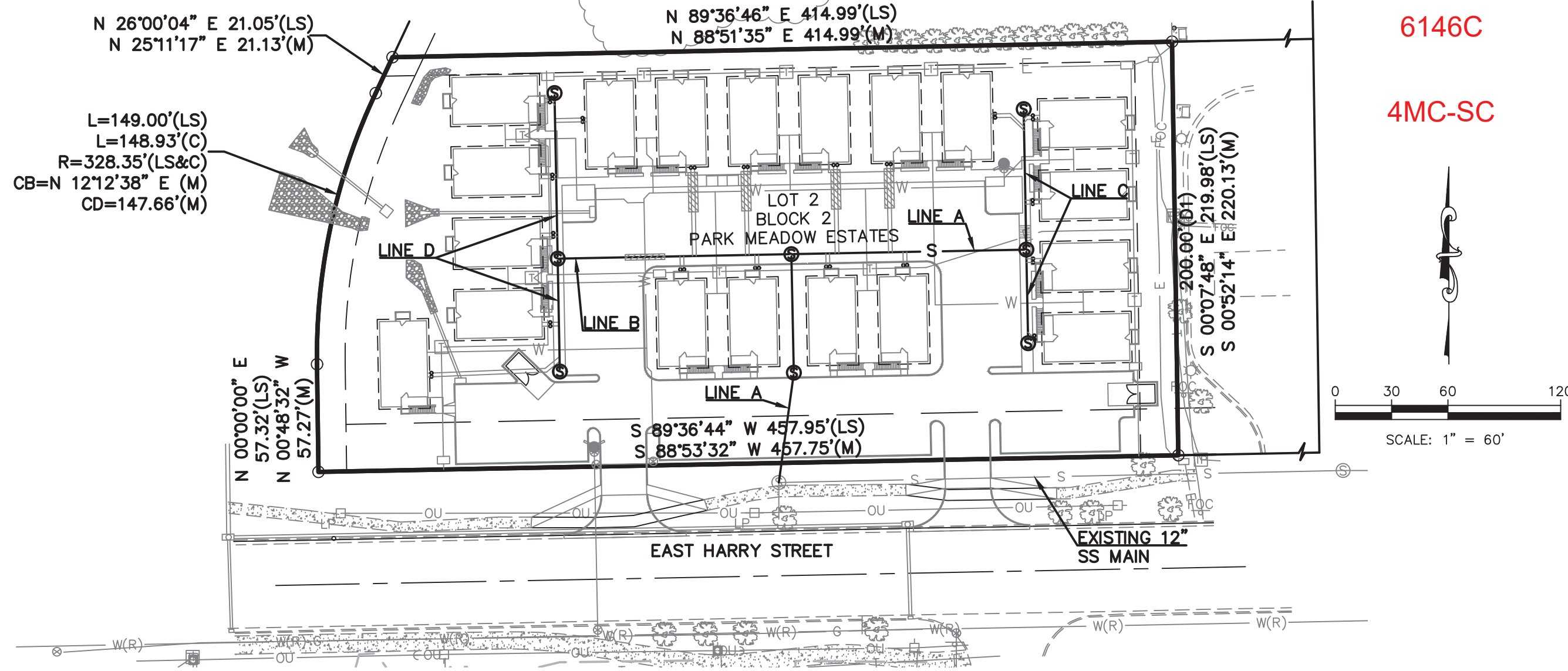


VICINITY MAP SHEET INDEX

- C-1 TITLE SHEET
- C-1.1 PROJECT CONTROL PLAN
- C-2 SANITARY SEWER LINE A - PLAN & PROFILE
- C-3 SANITARY SEWER LINE B - PLAN & PROFILE
- C-4 SANITARY SEWER LINE C & D - PLAN & PROFILE
- C-5 EROSION CONTROL PLAN
- C-6 CITY DETAIL SHEET
- C-7 CITY DETAIL SHEET
- C-7.1 CITY DETAIL SHEET
- C-7.2 CITY DETAIL SHEET
- C-8 CITY DETAIL SHEET
- C-9 CITY DETAIL SHEET
- C-10 CITY DETAIL SHEET
- C-11 CITY DETAIL SHEET
- C-12 CITY DETAIL SHEET
- C-13 FINAL PLAT

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. THE 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
3. UTILITY SERVICE LINES, POLES, ET CETERA. 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 REASONABLY OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY THAT DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
4. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION THAT 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 FLOODPLAIN FILL WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE FLOODPLAIN FILL 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 OR STOCKPILED 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 ENGINEER'S APPROVAL. TREES AND SHRUBS THAT ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
6. IF PRACTICABLE THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ADJUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO REESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
8. 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 CONTRACTOR AT THEIR OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FINAL GRADES BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT ENGINEER AS WELL AS THE CITY, DAWNITA REINHARDT AT 316-650-0740, 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.
10. 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 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 RESPONSIBILITY.
11. ALL ELEVATIONS SHOWN ARE NAVD 88.
12. ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.
13. 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 CITY ENGINEERING 316-268-4501.
14. 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.
15. CITY MAINTENANCE OF SANITARY SEWER MAINS ENDS AT THE LAST STRUCTURE WITHIN THE EASEMENT OR RIGHT-OF-WAY.
16. ALL STUBS AND CAPPED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS RISERS.
17. 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 CONNECTION 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.
18. THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
19. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.
20. THE CONTRACTOR SHALL PREVENT ANY CONSTRUCTION DEBRIS FROM ENTERING THE EXISTING SANITARY SEWER DURING CONSTRUCTION.
21. 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.
22. ANY OVER EXCAVATION FROM MANHOLE AND PIPE REMOVAL SHALL BE BACKFILLED WITH AB-3 COMPACTED TO 95% STANDARD PROCTOR ASTM D698.
23. 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.
24. SITE PREPARATION AND RESTORATION SHALL BE SUBSIDIARY TO THE PROJECT.
25. THE CONTRACTOR SHALL PROVIDE ALL TESTING AND SHOP DRAWING REVIEW. INSPECTION, TESTING AND SHOP DRAWING DOCUMENTS SHALL BE PROVIDED TO THE ENGINEERING FIRM FOR RECORDS.
26. THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES (BMPs) TO PREVENT ERODED SOIL FROM ENTERING DITCHES, CULVERTS, AND DRAINAGE AREAS. THE CONTRACTOR SHALL FOLLOW THE INTENT OF THE BMPs WHICH ACT AS A GUIDELINE.
27. EACH BIDDER SHALL VISIT THE SITE OF THE PROJECT BEFORE SUBMITTING A PROPOSAL IN ORDER TO BECOME BETTER INFORMED OF THE EXISTING FIELD CONDITIONS AND OBSTACLES THAT MIGHT BE ENCOUNTERED DURING CONSTRUCTION. EACH BIDDER SHOULD UNDERSTAND THAT NO ADDITIONAL COMPENSATION WILL BE AWARDED FOR EXTRA WORK THAT SHOULD HAVE BEEN EVALUATED PRIOR TO BIDDING.
28. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM VARIOUS COMPANIES AND IS EITHER FROM COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY BE ENCOUNTERED.
29. ANY AND ALL UTILITY SYSTEM COMPONENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
30. ALL TRENCHING IN PAVEMENT OR DRIVEWAYS, THAT WILL BE REQUIRED TO CARRY TRAFFIC UNTIL PERMANENT PAVING REPLACEMENT, SHALL BE TOPPED WITH A MINIMUM OF 6" CRUSHED ROCK (COMPACTED) TO BE INCIDENTAL TO THE PROJECT. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TEMPORARY CRUSHED ROCK UNTIL PERMANENT PAVEMENT IS INSTALLED.
31. THE PRECAST MANUFACTURER SHALL PROVIDE A SEALED DESIGN DETAIL FOR ALL PRECAST ITEMS USED ON THE PROJECT TO INSURE THE INTENT OF THE PLANS ARE MET.



LEGEND	
○	MONUMENT FOUND
(M)	MEASURED BEARING & DISTANCE
(C)	CALCULATED DISTANCE
(P)	PLAT (PER PARK MEADOW ESTATES)
(LS)	LOT SPLIT SURVEY RECORDED AS DOC#//FLM-PG: 9680613
—	STREET SIGN
⊕	UTILITY POLE W/ TRANSFORMER
⊕	UTILITY POLE W/LIGHT
☆	LIGHT POLE
—OU—	OVERHEAD UTILITY
—E—	UNDERGROUND ELECTRIC LINE
—S—	SANITARY SEWER MANHOLE
—S—	SANITARY SEWER LINE
—T—	UNDERGROUND TELEPHONE LINE
⊗	WATER VALVE
—W(R)—	WATER LINE SHOWN PER RECORD DRAWING
⊠	TELEPHONE PEDESTAL
⊠	FIBER OPTIC CABLE SIGN
—FOC—	UNDERGROUND FIBER OPTIC CABLE
—G—	UNDERGROUND GAS LINE
12\"/>	
—1351—	1' CONTOUR INTERVAL
B/B	BACK OF CURB TO BACK OF CURB

AS BUILTS

Contractor:
McCullough
Excavation
22 Sept 2022

Project Inspector:
Eric Miner
KEMILLER
ENGINEERING PA
117 E. Lewis, Wichita, KS 67202 (316)264-0242

THE COORDINATES PROVIDED IN THESE PLANS ARE FOR INFORMATION AND CHECKING PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALCULATE CONSTRUCTION STAKING COORDINATES ACCORDING TO THE DIMENSIONS SHOWN ON THESE PLANS. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE COORDINATES SHOWN BEFORE CONSTRUCTION.

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BENCHMARKS

DATUM BENCHMARK:
DATUM IS U.S. FEET AND REFERS TO NAVD88 DATUM DERIVED FROM BULLOCH ADDITION PLAT. CHISELED SQUARE FOUND NORTH CURB, 24.5' NORTH AND 9.0' WEST OF SOUTHWEST CORNER, SOUTHEAST QUARTER, SECTION 28, T27S, R2E. ELEV.=1343.00
BENCHMARKS (NAVD 88 DATUM):
BM #61: CHISELED SQUARE SET AT BACK OF CURB, NORTH SIDE HARRY NEAR SOUTHWEST PROPERTY CORNER. ELEV.=1350.71
BM #62: CHISELED SQUARE SET ON NORTHWEST CORNER TRANSFORMER PAD AT NORTHEAST CORNER PROPERTY. ELEV.=1350.05

APPROVED AS NOTED BY WICHITA PUBLIC WORKS ENGINEERING DIVISION		
Engineering	Shawn Mellies	11/22/2021
Utilities	Deb Ary	11/22/2021

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. Said 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.

NOVEMBER 2021

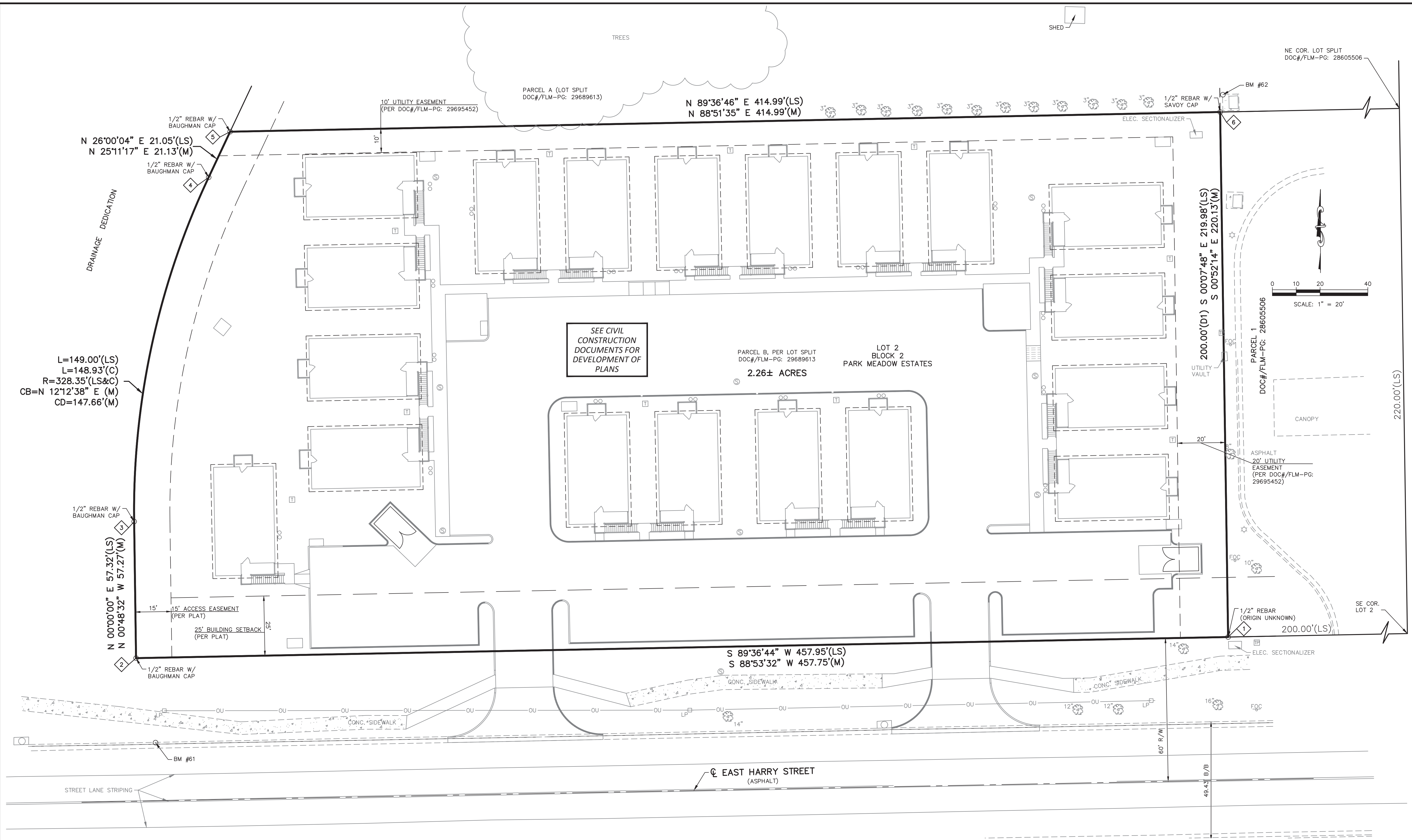
PROJ. NO. G19_1319 DSN: LDO LEON D. OSBOURN
CFN: 1319S_TS DWN: JT ENGINEER
KS # 9772

2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX (785) 762-7744
j@kveneng.com | www.kveneng.com

KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATION AUTHORIZATION # E-113. EXPIRES 12/31/22

C	11-22-21	REVISED PER CITY COMMENT	JT	LDO
B	8-18-21	REVISED PER CITY COMMENT	JT	LDO
A	8-6-21	INITIAL ISSUE	JT	LDO



COORDINATE TABLE		
1	1678338.75	1683122.52
2	1678329.90	1682664.85
3	1678387.16	1682664.05
4	1678531.48	1682695.28
5	1678550.60	1682704.27
6	1678558.86	1683119.17

BOU = BOUNDARY CORNER

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KS	KS
JT	JT
LDO	LDO
DSN	DWN
CHK	CHK

REV	DATE	DESCRIPTION
B	8-18-21	REVISED PER CITY COMMENT
A	8-6-21	INITIAL ISSUE



LEON D. OSBOURN
 ENGINEER
 KS # 9772

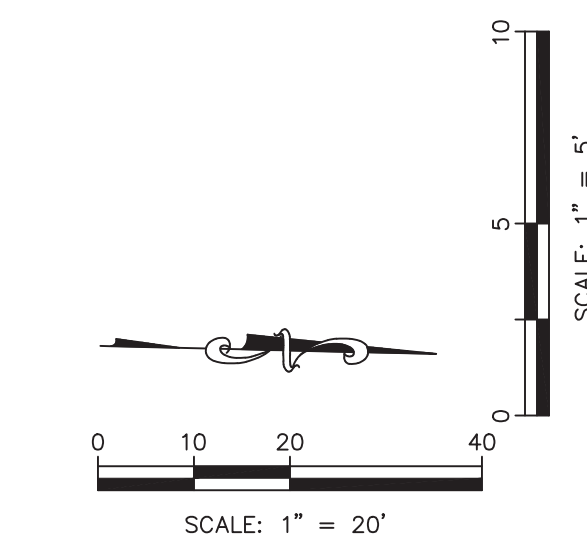
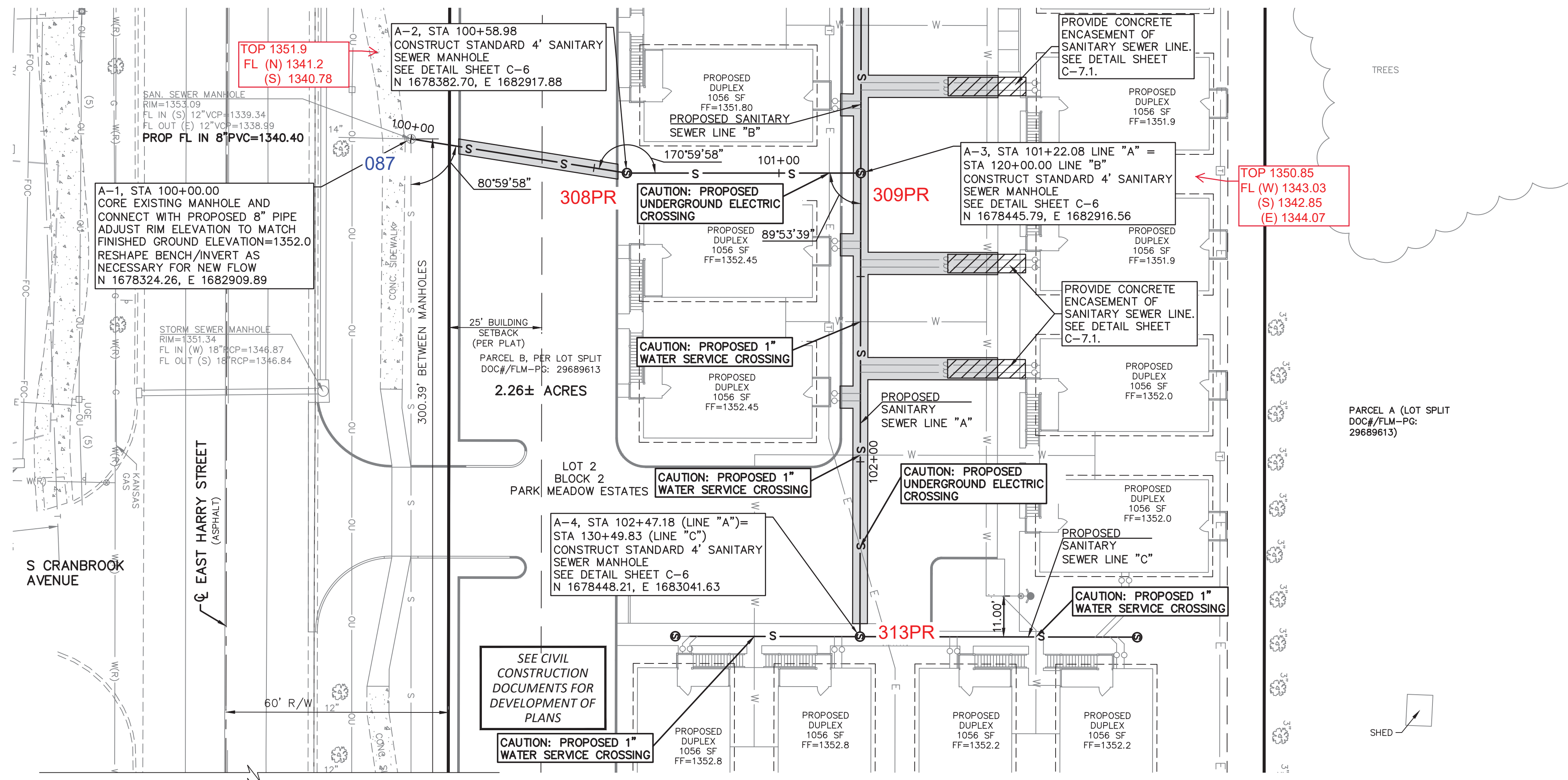
2319 N. JACKSON | P.O. BOX 1304
 JUNCTION CITY, KANSAS 66441
 Ph. (785) 762-5040 | FAX (785) 762-7744
 jek@kve.com | www.kve.com

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HARRY & TODD DUPLEXES
 E HARRY STREET AND S TODD STREET
 WICHITA, KANSAS 67206

SANITARY SEWER IMPROVEMENT PLANS
PROJECT CONTROL PLAN

PROJ. NO.	G19_1319
DESIGNER	BAC
DRAWN BY	JT
CFN	1319S_PCP
SHEET	REV
C-1.1	B



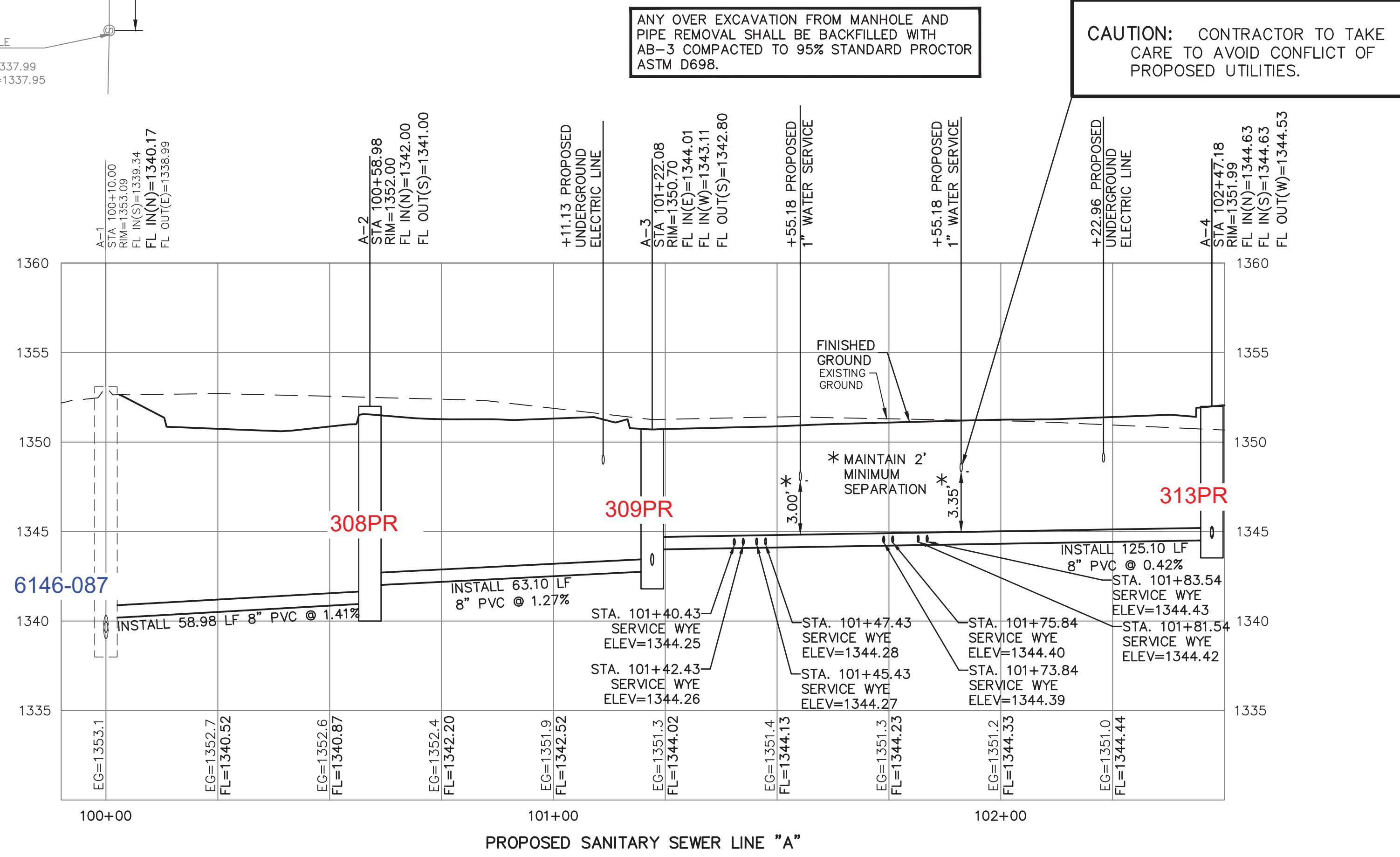
AS BUILTS

KEMILLER ENGINEERING PA

117 E. Lewis,
Wichita, KS 67202 (316)264-0242



LEON D. OSBOURN
ENGINEER
KS # 9772



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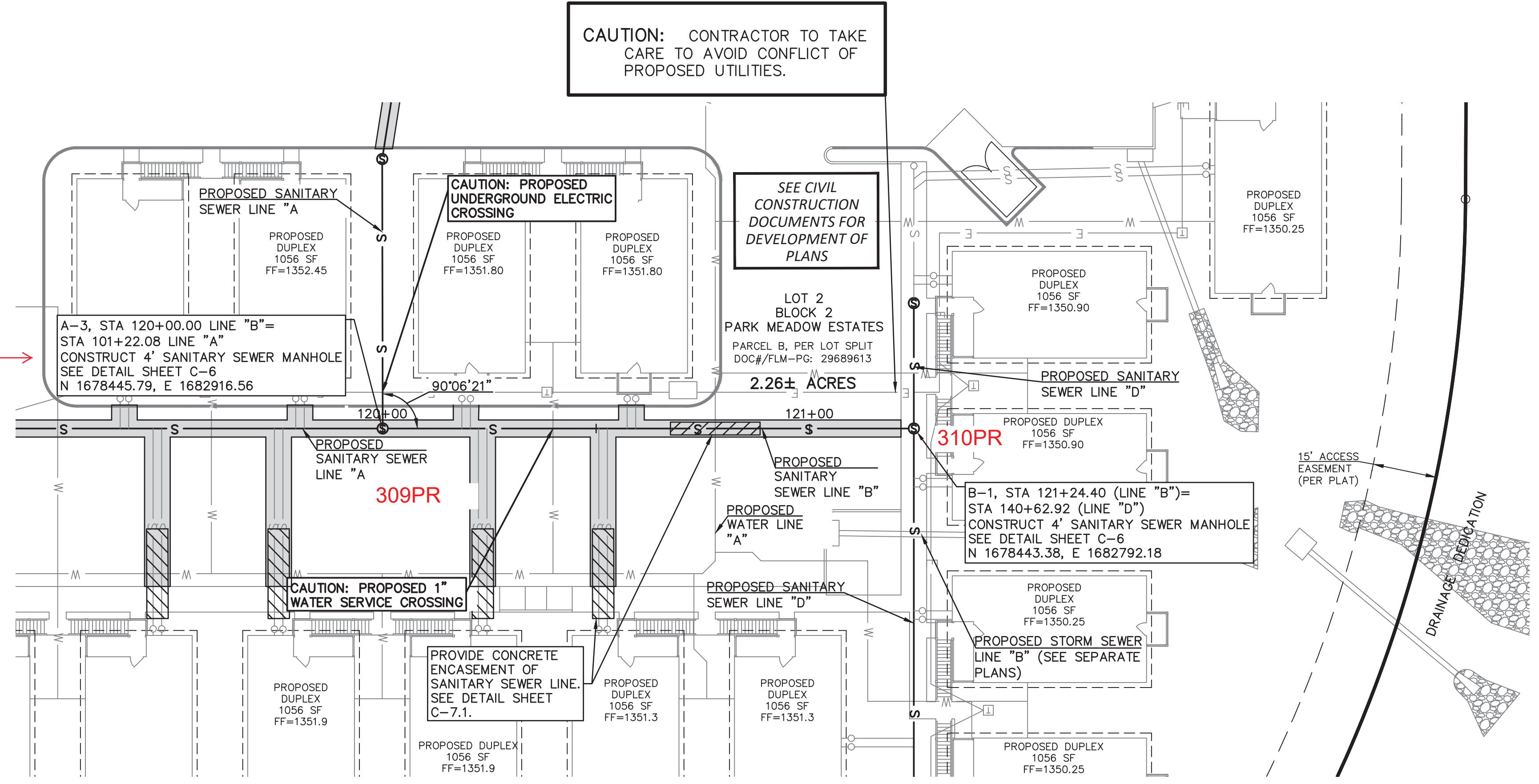
HARRY & TODD DUPLEXES
E HARRY STREET AND S TODD STREET
WICHITA, KANSAS 67206

SANITARY SEWER IMPROVEMENT PLANS
SANITARY SEWER LINE A - PLAN & PROFILE

PROJ. NO.	G19-1319
DESIGNER	BAC
DRAWN BY	JT
CFN	1319S_SPP
SHEET	C-2
REV	A

TOP 1350.85
FL (E) 1344.00
(W) 1343.10
(S) 1342.79

CAUTION: CONTRACTOR TO TAKE CARE TO AVOID CONFLICT OF PROPOSED UTILITIES.



SEE CIVIL CONSTRUCTION DOCUMENTS FOR DEVELOPMENT OF PLANS

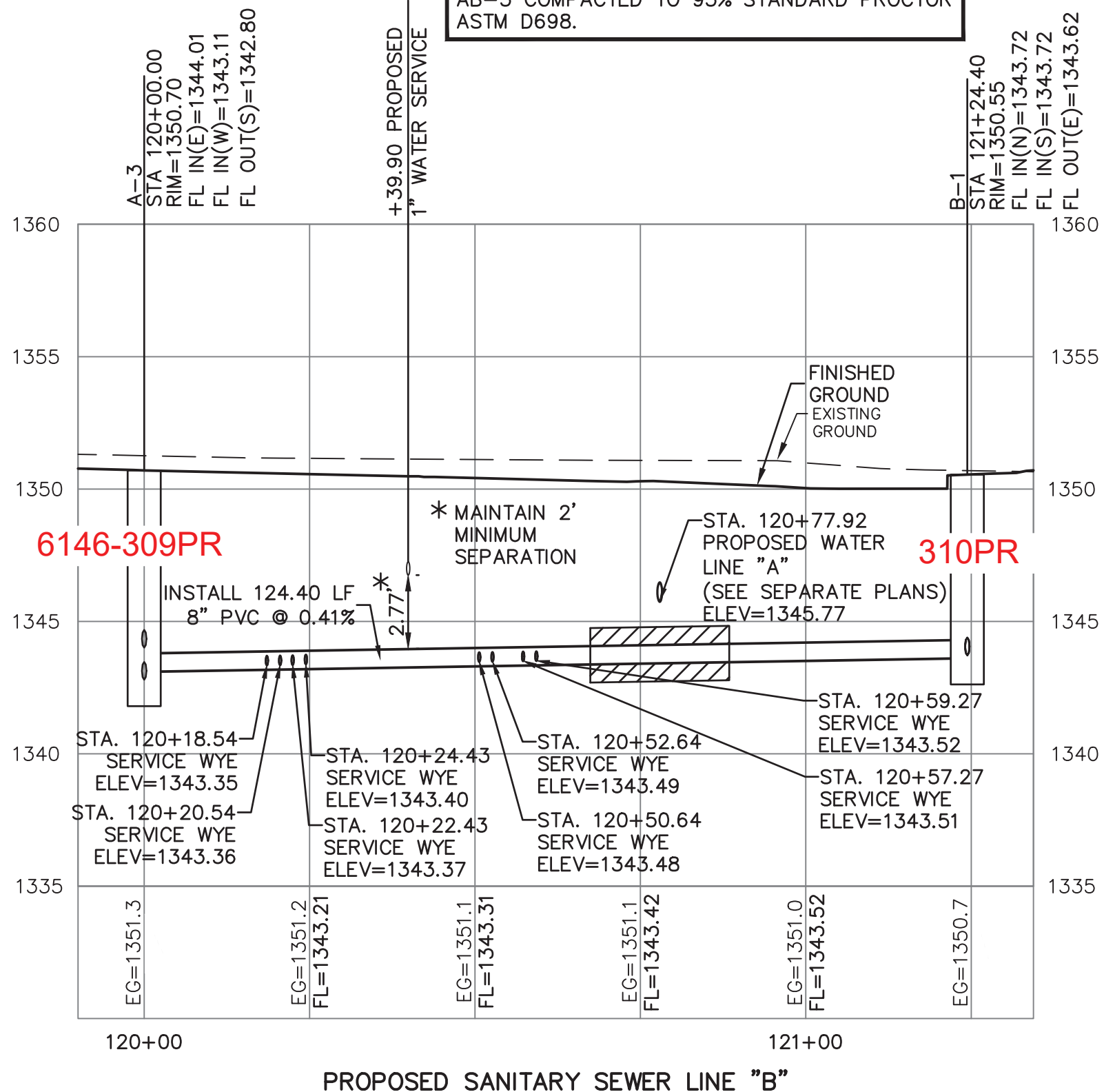
LOT 2
BLOCK 2
PARK MEADOW ESTATES
PARCEL B, PER LOT SPLIT
DOC#/FLM-PG: 29689613

2.26± ACRES

CAUTION: PROPOSED 1" WATER SERVICE CROSSING

PROVIDE CONCRETE ENCASEMENT OF SANITARY SEWER LINE. SEE DETAIL SHEET C-7.1.

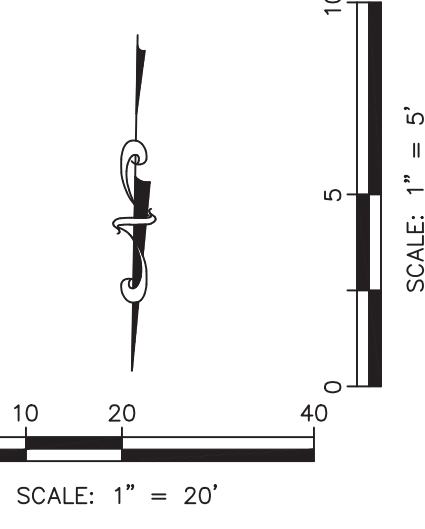
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AS BUILTS

KEMILLER ENGINEERING PA

117 E. Lewis,
Wichita, KS 67202 (316)264-0242



LEGEND (PROPOSED)

FLUSH AND VIBRATED SAND BACKFILL FOR SANITARY SEWER UNDERNEATH PAVEMENT

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JT	DWN
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INITIAL ISSUE	DESCRIPTION
8-6-21	REV DATE
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LEON D. OSBOURN ENGINEER KS # 9772	
2319 N. JACKSON P.O. BOX 1304 JUNCTION CITY, KANSAS 66441 PH. (785) 762-5040 FAX. (785) 762-7744 jke@kveeng.com www.kveeng.com	
KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/22	
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PROJ. NO.	G19_1319
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DRAWN BY	JT
CFN	1319S_SPP
SHEET	REV
C-3	A

