

## 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 (GAS)	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

- 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 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 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 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 HIS OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FIELD GRADES BY THE CONTRACTOR.
- 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](mailto: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 CONTRACTOR'S RESPONSIBILITY.
- ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE SEEDED AND MULCHED. COST SHALL BE CONSIDERED SUBSIDIARY TO PROJECT SEEDING.
- CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
- EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE 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 ALSO BE ENCOUNTERED.
- A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED AROUND MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUND SHALL BE CONSTRUCTED WITH NEW DEVELOPMENT A SIX (6) FOOT DIAMETER FLAT TOP WITH 4 TO 1 SIDE SLOPES DOWN TO THE ORIGINAL GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP OF THE MANHOLE.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.
- ALL STUBS AND PLUGGED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN 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. WHERE CONNECTION TO AN EXISTING MANHOLE THAT DOES NOT HAVE AN EXISTING STUB OR THE STUB IS UNUSABLE DUE TO ELEVATION GRADE OR ALIGNMENT, THE CONTRACTOR SHALL BORE 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.
- 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. PROPOSED METHODS 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.
- ALL TRAFFIC CONTROL DEVICES IN THE WORK ZONE (INCLUDING MARKINGS AND SIGNS) AND THEIR INSTALLATION AND MAINTENANCE SHALL COMPLY WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL TRAFFIC CONTROL DEVICES IN THE TRAVELED WAY OR CLEAR ZONE SHALL BE CRASHWORTHY (NCHRP REPORT 350 OR MASH COMPLIANT).  
<http://safety.fhwa.dot.gov/roadwaydept/policy/guide/road/hardware/wzd>
- ALL CONSTRUCTION EQUIPMENT, INCLUDING VEHICLES, MATERIALS, AND DEBRIS, SHALL BE STORED OUTSIDE OF THE CLEAR ZONE. WHERE THIS CANNOT BE ACHIEVED THE CONTRACTOR SHALL PLACE APPROPRIATE SIGNS, SUBJECT IDENTIFIERS, AND/OR BARRICADES IN COMPLIANCE WITH MUTCD.
- EXCEPT WHEN REQUIRED FOR SAFETY, TRAFFIC CONTROL SHALL NOT BLOCK ANY LANES OR SIDEWALKS WHEN WORK IS NOT BEING PERFORMED.
- FOLLOW THE LINK BELOW FOR DETAILS ON SPECIFIC CITY OF WICHITA STANDARD DETAILS:  
<http://www.wichita.gov/PWU/Pages/Regulations.aspx>
- DEVELOPER FOR THIS PROJECT IS:  
ICT CAPITAL  
301 N. MAIN ST., SUITE 1400  
WICHITA, KS, 67202  
DOUG MALONE  
(316) 440-8311

## SANITARY SEWER TO SERVE

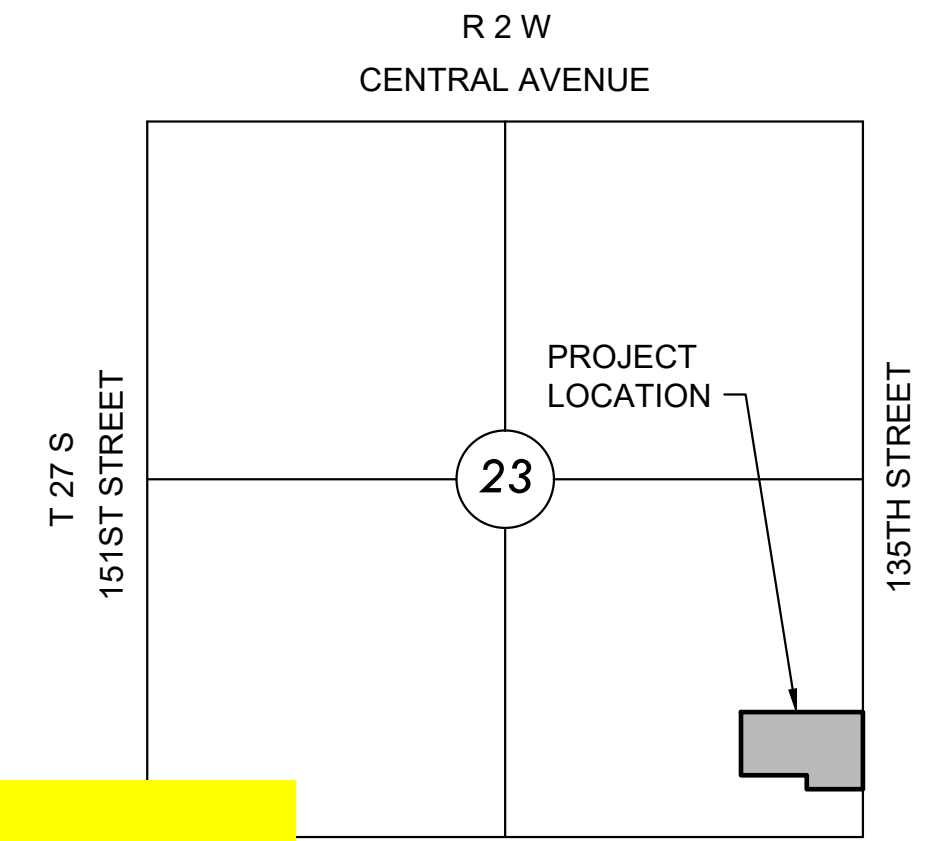
# HERITAGE AT AUBURN HILLS ADD.

PROJECT NO. 468-2019-020418

THE CITY OF WICHITA, KANSAS  
GARY JANZEN, P.E. - CITY ENGINEER

ORG CODE 47264119

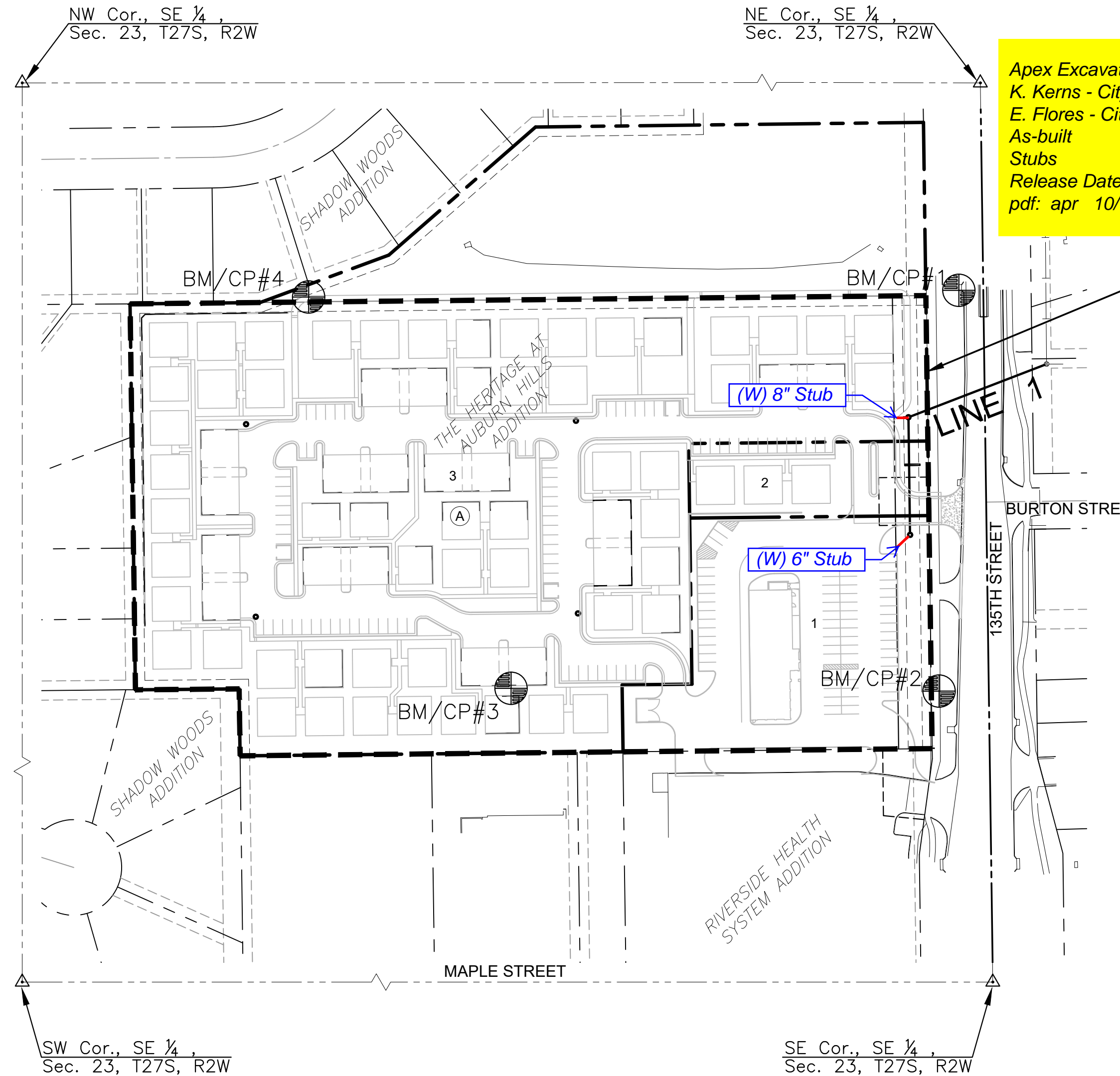
MUNIS NO. E9132



### VICINITY MAP

No Scale

Apex Excavation - Contractor  
K. Kerns - City of Wichita, Field Project Engineer  
E. Flores - City of Wichita, Inspector  
As-built  
Stubs  
Release Date (for connection purposes only): 9/21/2022  
pdf: apr 10/13/2022



BENEFIT DISTRICT BOUNDARY

### INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
01	TITLE SHEET
02-03	DETAILS
04	LINE 1
05	BUBBLE MAP
06-10	BMP SHEETS

### LEGEND

	EXISTING SEWER
	PROPOSED SEWER

### BENCHMARKS

BM/CP-1  
N: 1683430.162 E: 1602273.874 EL: 1342.945  
MAG nail / MKEC washer on SW corner of curb inlet near the NE corner of the site.

BM/CP-2  
N: 1683011.253 E: 1602253.179 EL: 1342.07  
MAG nail set in "+\*" cut 60' N & 8' E of the SE corner of the site, on the E edge of sidewalk.

BM/CP-3  
N: 1683009.824 E: 1601803.112 EL: 1350.92  
3/4"x36" rebar with MKEC Control lid cap set on the W end of Berm, 440' W & 63' N of the SE corner of the site.

BM/CP-4  
N: 1683423.147 E: 1601594.409 EL: 1353.705  
"

### DATUM

The Horizontal Datum is based on the Kansas Coordinate System of 1983, NAD83(2011), EPOCH:2010.0000, South Zone. Coordinates shown have been modified to the ground using a combined adjustment factor of 1.0001200144. State Plane coordinates can be calculated by multiplying the shown values by 0.99988.

All elevations shown are based on the NAVD 88 vertical datum, Geoid12B.

### UTILITIES

Kansas One Call was contacted Ticket Numbers: 21249220 and 21249248 were supplied but they did not mark the utilities on site. So an update Ticket was scheduled with Ticket number 06102021 and had not been marked as of the morning of June 14, 2021. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

Underground utility lines shown are from a previous survey done by Baughman Company.



SANITARY SEWER PLANS FOR  
**HERITAGE AT AUBURN HILLS ADD.**  
WICHITA, KANSAS

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### TITLE SHEET

PROJECT NO.	468-2019-020418	
DATE	JULY 2021	
SCALE	1"=100'	
DESIGNED	DRAWN	CHECKED

NO.	REVISION	DATE

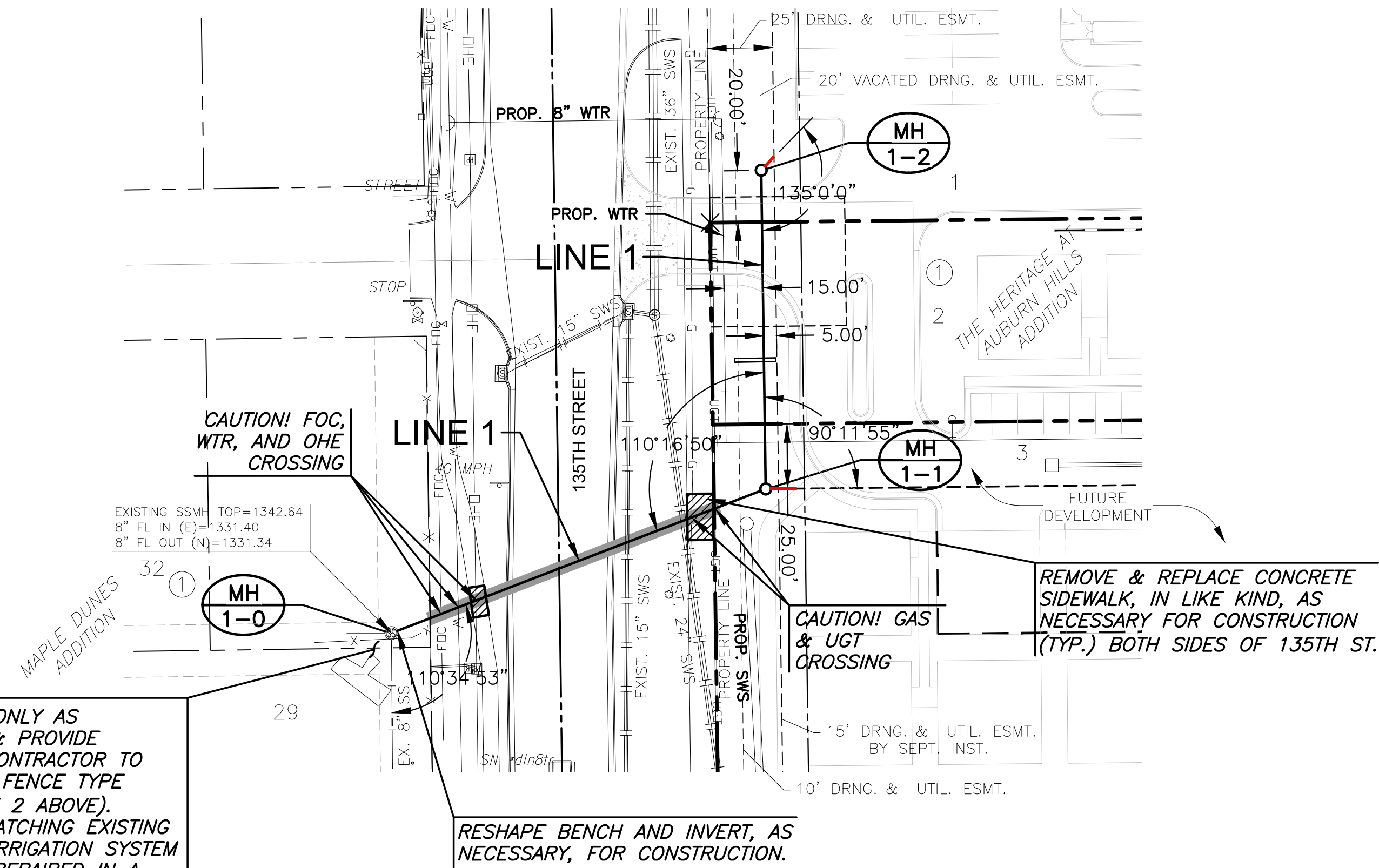
SHEET NO.

01 OF 10

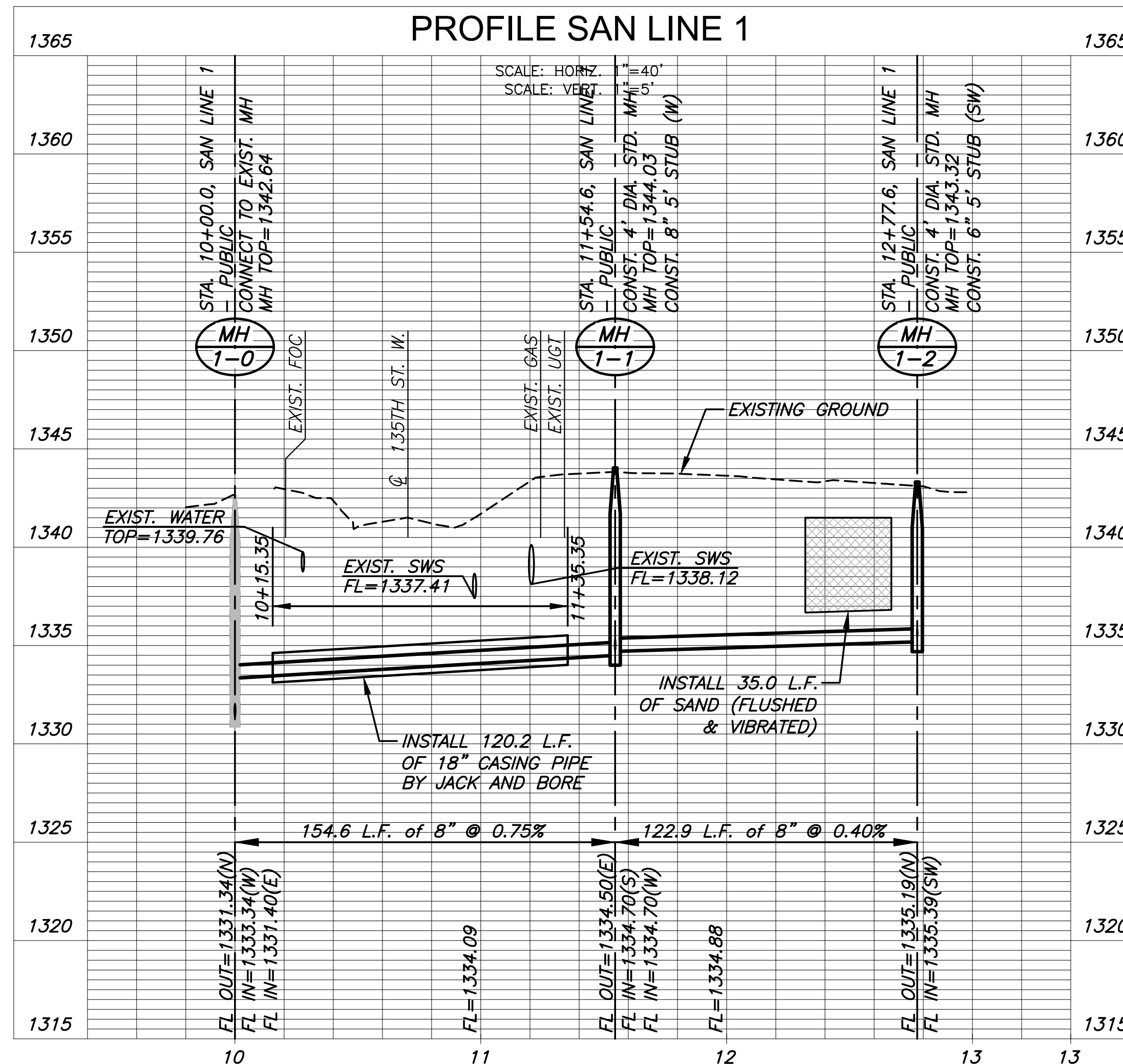
**NOTES:**

1. CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO INSTALL TEMPORARY FENCE WITHIN EASEMENT TO ENSURE HOMEOWNERS ARE ISOLATED FROM CONSTRUCTION. ENSURE TEMPORARY FENCE IS DURABLE ENOUGH TO KEEP PETS, CHILDREN, ECT. ON HOME OWNER'S PROPERTY. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR TEMPORARY FENCE. (COST OF TEMPORARY FENCE IS SUBSIDIARY TO FENCE REMOVED LINE ITEM)

CONTRACTOR TO REMOVE EXIST. WOOD FENCE ONLY AS NECESSARY TO CONNECT TO EXIST. MANHOLE & PROVIDE TEMPORARY FENCING DURING CONSTRUCTION. CONTRACTOR TO INSTALL NEW WOOD FENCE MATCHING EXISTING FENCE TYPE UPON MANHOLE TIE-IN COMPLETION (SEE NOTE 2 ABOVE). CONTRACTOR SHALL RESOD DISTURBED AREA MATCHING EXISTING TURF TYPE & REPAIR ANY DAMAGED EXISTING IRRIGATION SYSTEM TO WORKING CONDITION. ALL ITEMS SHALL BE REPAIRED IN A CONDITION AT LEAST EQUIVALENT TO THE EXISTING SITE. (COST IS SUBSIDIARY TO PRIVATE LOT SITE RESTORATION LINE ITEM)



**PLAN SAN LINE 1  
PROFILE SAN LINE 1**



SANITARY SEWER PLANS FOR  
**HERITAGE AT AUBURN HILLS ADD.**  
WICHITA, KANSAS

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LINE 1		
PROJECT NO.	468-2019-020418	
DATE	JULY 2021	
SCALE	1"=40'	
DESIGNED	DRAWN	CHECKED
MKB	C-JL	SPE
NO.	REVISION	DATE
SHEET NO.		
04 OF 10		



SANITARY SEWER PLANS FOR  
**HERITAGE AT AUBURN HILLS ADD.**  
 WICHITA, KANSAS

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**BUBBLE MAP**

PROJECT NO.	468-2019-020418	
DATE	JULY 2021	
SCALE	1"=50'	
DESIGNED	DRAWN	CHECKED
MKB	CJL	SPE
NO.	REVISION	DATE

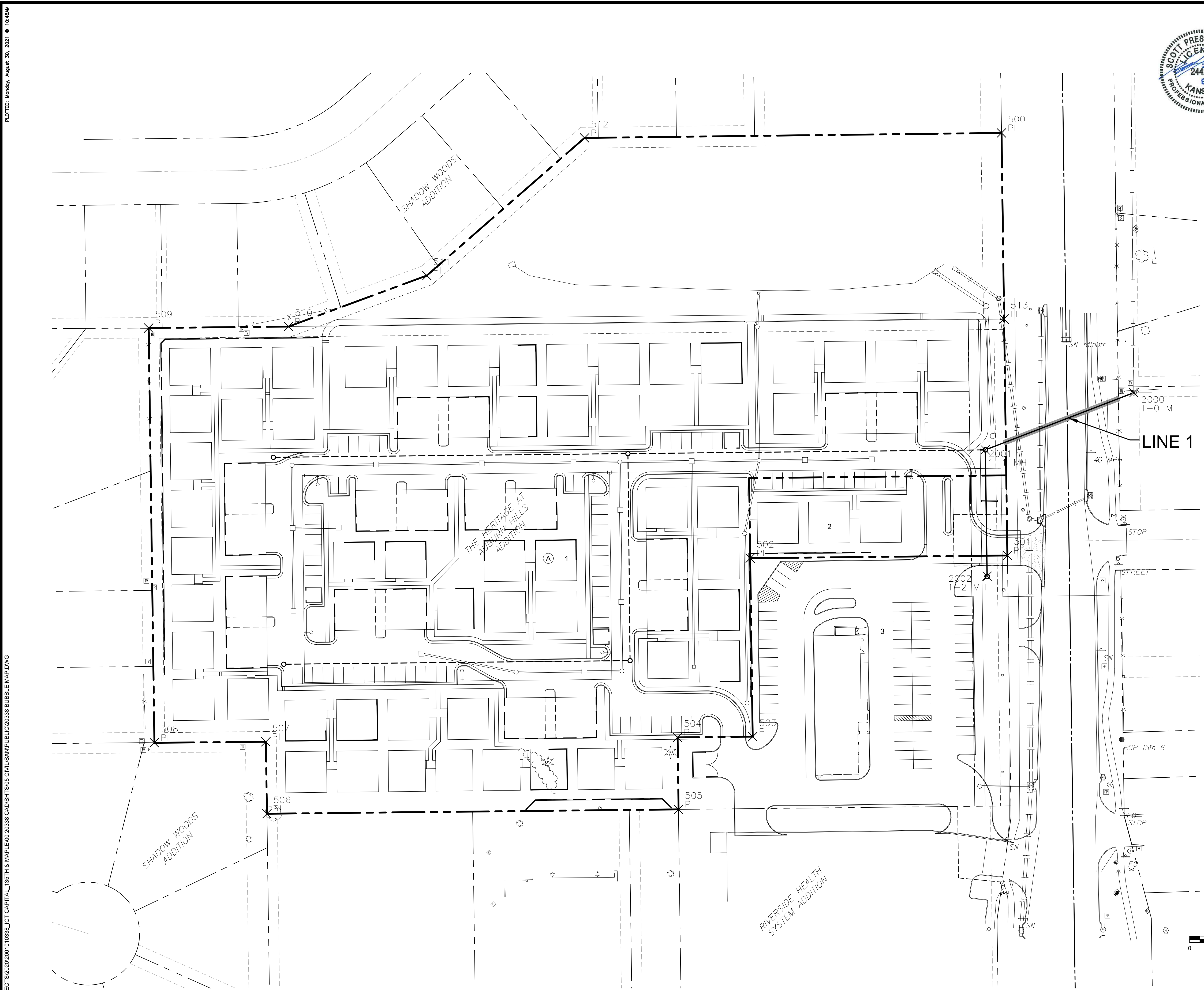
SANITARY POINTS			
Point #	Northing	Easting	Desc.
2000	1683353.06	1602365.38	1-0 MH
2001	1683297.44	1602221.07	1-1 MH
2002	1683174.55	1602222.77	1-2 MH

PLAT POINTS			
Point #	Northing	Easting	Desc.
500	1683605.67	1602236.78	PI
501	1683194.75	1602242.50	PI
502	1683192.12	1601992.52	PI
503	1683018.59	1601994.93	PI
504	1683017.82	1601921.91	PI
505	1682947.83	1601922.88	PI
506	1682943.61	1601522.79	PI
507	1683013.61	1601521.71	PI
508	1683012.62	1601413.41	PI
509	1683415.97	1601407.79	PI
510	1683417.38	1601543.71	PI
511	1683467.00	1601678.18	PI
512	1683600.84	1601831.52	PI
513	1683424.64	1602239.30	LI

**CONTROL POINTS**

- BM (CP #1)**  
 Top of 5/8" rebar encased in concrete,  
 50 feet south of centerline of 23rd St.  
 70 feet east of east edge of the school exit road  
 35 feet west of centerline of north/south hedge.  
 Elev. = 1444.03' NAVD 88
- CP #1**  
 5/8" rebar in concrete  
 N = 1671759.24 E = 1584158.43 Elevation 1444.03'  
 50 feet south of centerline 23rd St South  
 70 feet east of east edge of school exit road
- CP #2**  
 5/8" rebar with red MKEC cap  
 N = 1671833.22 E = 1585890.52 Elevation 1440.80'  
 6 feet south of south edge of 23rd St.  
 795 feet west of centerline 183rd St/23rd St intersection  
 90 feet Southeast of centerline end of culvert
- CP #3**  
 5/8" rebar with red MKEC cap  
 N = 1669986.35 E = 1586340.37 Elevation 1427.21'  
 1870 feet south of 23rd street  
 300 feet west of 183rd street
- CP #4**  
 5/8" rebar with red MKEC cap  
 N = 1669505.65 E = 1584095.22 Elevation 1448.85'  
 75.15 feet northeast of center of section  
 52.5 feet north of centerline of hedge row  
 49.0 feet east of centerline of hedge row  
 2292 feet south of 23rd St. and 2518 feet west of 183rd St.
- Horizontal and Vertical Datum:  
 Horizontal Datum: Kansas Coordinate System 1983 South Zone.  
 (Horizontal coordinates modified to ground using a scale factor of 1.000120014)  
 Vertical Datum: NAVD 88

EVERY ATTEMPT HAS BEEN MADE TO INSURE ALL COORDINATE VALUES SHOWN  
 ARE AN ACCURATE AND TRUE REPRESENTATION OF THE CURRENT PLANS. ALL  
 VALUES ARE TO BE CONFIRMED WITH THE FINAL SIGNED PLAN SET BEFORE USE.



PLOTTED: Mercury, August 30, 2021 @ 10:46AM  
 W:\NAS03\VOL7\PROJECTS\2020\20201010338\_ICT CAPITAL\_135TH & MAPLE\00 20338 CAD\SHS\05 CIVIL\AN\PUBLIC\20338 BUBBLE MAP.DWG