

DATE: 02/20/2023, TIME: 10:00 AM, USER: J. KERR



VERANDA SECOND ADDITION
PHASE 1

PUBLIC SANITARY SEWER PLANS FOR

TITLE SHEET

PROJECT NO. 468-2022-000361
DATE: FEB 2023
SCALE: 1" = 100'
CHECKED: MKB
DRAWN: LAL
SPE: SPE

SHEET NO. 01 OF 14

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 PROPERTY OWNERS A MINIMUM OF SEVENTEEN (17) HOURS PRIOR TO ANY ACTIVATION, AS FOLLOWS:
KANSAS ONE-CALL 887-4370
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

AT&T	1402644369
BLACK HILLS ENERGY (GAS)	1402644369
CITY OF WICHITA WATER SERVICES	1402644369
CITY OF WICHITA STORMWATER	1402644369
CITY OF WICHITA TRAFFIC	1402644369
COM COMMUNICATIONS	1402644369
KANSAS ONE-CALL	887-4370
EVERETT	1402644369
- UTILITY EXISTING LINES, POLES, ETC. ARE TO BE MAINTAINED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR REMOVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN.
- ROBBERIES FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND ACCESS EQUIPMENT (WHICH IS TO BE MAINTAINED) SHALL BE EMPLOYED OF CHARGES TO BE PROVIDED BY THE CONTRACTOR. THESE CHARGES SHALL BE APPROVED BY THE ENGINEER AS TO FEASIBILITY, APPEARANCE AND LOCATION. LOCATIONS BY THE OWNER OF THE CHARGES THAT WILL LEAVE AN UNDESIRABLE APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE ENGINEER AND THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN.
- ALL AREAS OBTAINED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROVIDED PAVEMENT SHALL BE SEEDED AND MULCHED. COST SHALL BE CONSIDERED TO BE IN THE CONTRACTOR'S RESPONSIBILITY. MULCH SHALL BE 100 LB/ACRE @ 100 LB/ACRE.
- CONTRACTOR SHALL LEAVE THE EXTENT OF TRENCH OPEN OVERHEAD AND WEEDLESS TO LESS THAN 30 FEET.
- EXISTING UTILITIES AND THEIR CONTROL, AS SHOWN ON THE PLANS HEREON, BUT THE BEST INFORMATION AVAILABLE FOR DETAIL, LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS COMPANIES AND IS BEING SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN.
- A PORTION OF EXISTING EXHAUSTED MATERIAL SHALL BE MOUND AROUND MANHOLES WHICH EXTEND MORE THAN 10 FEET ABOVE THE CURB FINISH. EXHAUSTED MATERIAL SHALL BE CONTAINED WITHIN A DRAINAGE CURB AND SHALL BE COVERED WITH A 12" MIN. THICKNESS OF 1/2" GRAVEL. 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 MANHOLES.
- CONNECTING TO EXISTING MANHOLES
PRIOR TO ANY SEWER INSTALLATION, 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 DISCREPANCY FROM THE PLANS. WHERE CONNECTION TO AN EXISTING MANHOLE THAT DOES NOT HAVE AN EXISTING STUB OR THE STUB IS UNAVAILABLE DUE TO THE CONDITION OF THE MANHOLE, THE CONTRACTOR SHALL SLOPE CUT INTO EXISTING MANHOLE SHALL TO MAKE CONNECTION USING APPROVED WATER STOP CASSETTE, AND RESHAPE THE EXISTING MANHOLE IN ORDER 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 EXISTING CONDUITS. CONTRACTOR PROPOSED METHOD FOR MAINTAINING SEWAGE FLOW SHALL BE SUBMITTED AND APPROVED BY THE SEWER MAINTENANCE DIVISION (SMD) PRIOR TO STARTING AND DURING CONSTRUCTION.
- 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 WORK ZONE SHALL BE MAINTAINED AND REPAIRED AS NECESSARY THROUGHOUT THE PROJECT.
- ALL CONSTRUCTION EQUIPMENT INCLUDING VEHICLES, MATERIALS, AND DEBRIS SHALL BE STORED OUTSIDE OF THE WORK ZONE. WHERE THIS IS NOT PRACTICAL, THE CONTRACTOR SHALL PLACE APPROPRIATE SIGNS, BARRIERS, AND/OR BARRICADES IN COMPLIANCE WITH MUTCD.
- EXCEPT WHEN REQUIRED FOR SAFETY, TRAFFIC CONTROL SHALL NOT BLOCK ANY LANES OR DRIVEWAYS WHEN WORK IS NOT BEING PERFORMED.
- FOLLOW THE LINK BELOW FOR DETAILS ON SPECIFIC CITY OF WICHITA STANDARD DETAILS:
<https://www.wichita.gov/transportation/standard-details>
- DEVELOPER FOR THE PROJECT:
LAWY DEVELOPMENT
100 MARKET
WICHITA, KS 67202
GEORGE L. LAWY &
1162004380

PHASE 1 SANITARY SEWER IMPROVEMENTS TO SERVE

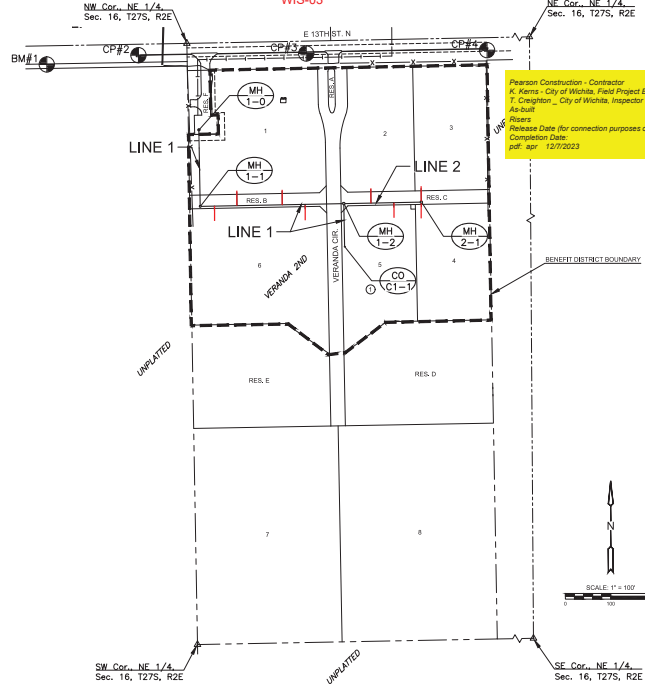
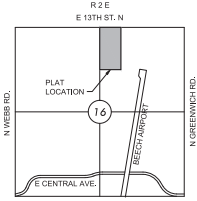
VERANDA SECOND ADDITION

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

PROJECT NO. 468-2022-000361
ORG CODE 47266122
MUNIS NO. E2045



6148 A
WIS-03



VICINITY MAP

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
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02-05	SANITARY DETAILS
06	LINE 1
07	LINE 2
08	BURBLE MAP
09-13	BMP DETAILS
14	FINAL PLAN

BENCHMARKS

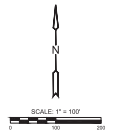
- CONTROL POINTS:
 CP 2
 *1" CUT IN FRONT CENTER CURB INLET WITH MAGNAIL IN CENTER OF *1" CUT
 N+168445.257, E+1683542.233
 ELEV: 1376.30
- CP 3
 MAGNAIL & WASHER SE CORNER CURB INLET
 N+1684405.429, E+1683912.609
 ELEV: 1383.39
- CP 4
 MAGNAIL & WASHER SE CORNER CURB INLET
 N+1684412.863, E+1684311.498
 ELEV: 1390.30

BENCHMARKS:
 BM 1
 SQ CUT ON HDW. S. SIDE OF 13TH
 N+1684381.300, E+1683340.242
 ELEV: 1377.62

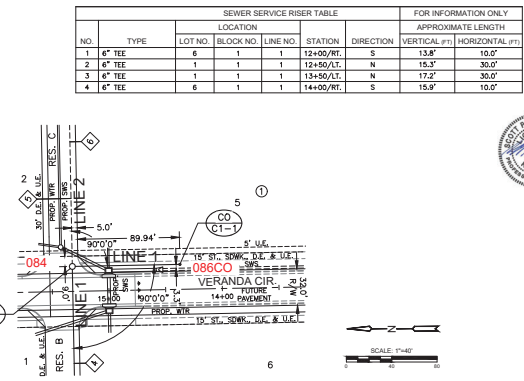
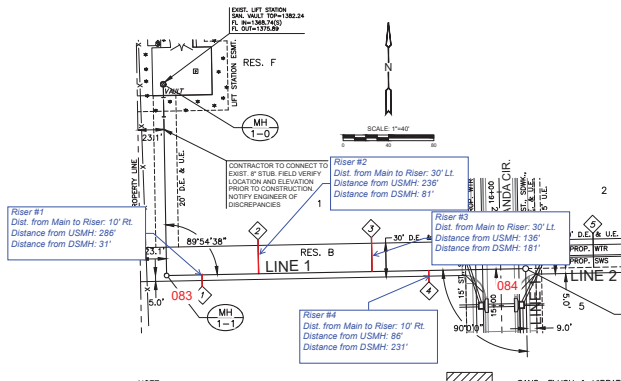
DATUM:
 THE HORIZONTAL DATUM IS BASED ON THE KANSAS COORDINATE SYSTEM OF 1983, NAD83(2011), EPOCH 2010.0000, SOUTH ZONE. COORDINATES SHOWN HAVE BEEN MODIFIED TO THE GROUND USING A COMBINED ADJUSTMENT FACTOR OF 1.00010044. STATE PLANE COORDINATES CAN BE CALCULATED BY MULTIPLYING THE SHOWN VALUES BY 0.99988.

ALL ELEVATIONS SHOWN ARE BASED ON THE NAVD 88 VERTICAL DATUM, GEOID 08.

NOTE:
 ALL CONTROL POINTS SHOWN HAVE ELEVATIONS ESTABLISHED USING STANDARD SURVEYING PROCEDURES AND CAN BE USED AS TEMPORARY BENCHMARKS, WHEN USING A CONTROL POINT AS A TEMPORARY BENCHMARK, IT IS RECOMMENDED THAT CROSS-CHECKS BE MADE TO OTHER CONTROL POINTS OR BENCHMARKS TO CONFIRM ELEVATIONS PRIOR TO USE.



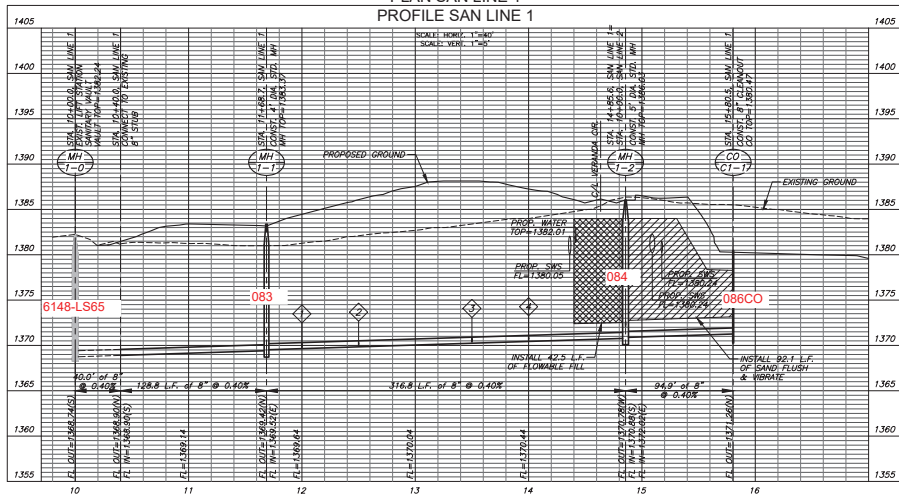
DATE: 02/01/2023, TIME: 10:45 AM, BY: JAL



NOTE:
CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

▨ SAND, FLUSH & VIBRATE

PLAN SAN LINE 1
PROFILE SAN LINE 1





VERANDA SECOND ADDITION

PUBLIC SANITARY SEWER PLANS FOR

PHASE 1

SAN LINE 1

PROJECT NO: 468-2022-000361

DATE: FEB 2023

SCALE: 1" = 40'

DESIGNED: MKB CHECKED: LAL SPE

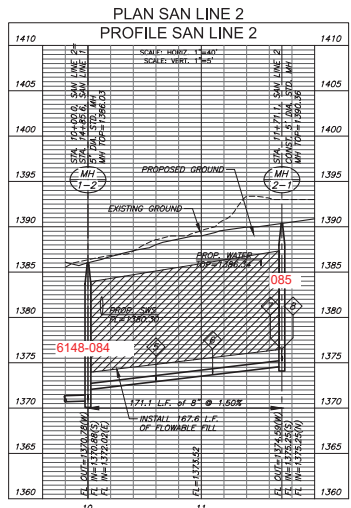
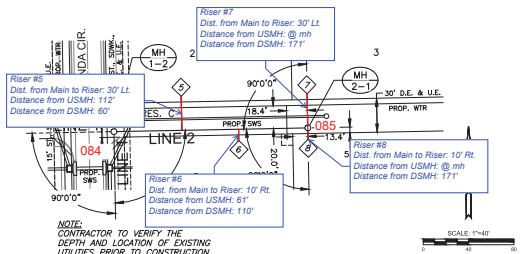
REVISION: _____ DATE: _____

SHEET NO. 06 OF 14

DATE: 02/02/2023, TIME: 10:00 AM, BY: JAL

PROJECT: 668-2022-000361, SHEET: 07 OF 14, TITLE: VERANDA SECOND ADDITION

SEWER SERVICE RISER TABLE							FOR INFORMATION ONLY	
NO.	TYPE	LOCATION			DIRECTION	APPROXIMATE LENGTH		
		LOT NO.	BLOCK NO.	LINE NO.		VERTICAL (FT)	HORIZONTAL (FT)	
5	6" TEE	2	1	2	10+60/LT	N	14.0'	30.0'
6	6" TEE	5	1	2	11+10/RT	S	14.0'	10.0'
7	6" MH CONNECTION	3	1	2	11+71/LT	N	14.0'	30.0'
8	6" MH CONNECTION	4	1	2	11+71/RT	S	14.0'	10.0'





VERANDA SECOND ADDITION

PUBLIC SANITARY SEWER PLANS FOR
PHASE 1

SAN LINE 2

PROJECT NO.	668-2022-000361
DATE	FEB 2023
SCALE	1" = 40'
DESIGNED	CHKD
MKB	LAL
SPE	

SHEET NO. 07 OF 14



VERANDA SECOND ADDITION
PHASE 1

PUBLIC SANITARY SEWER PLANS FOR

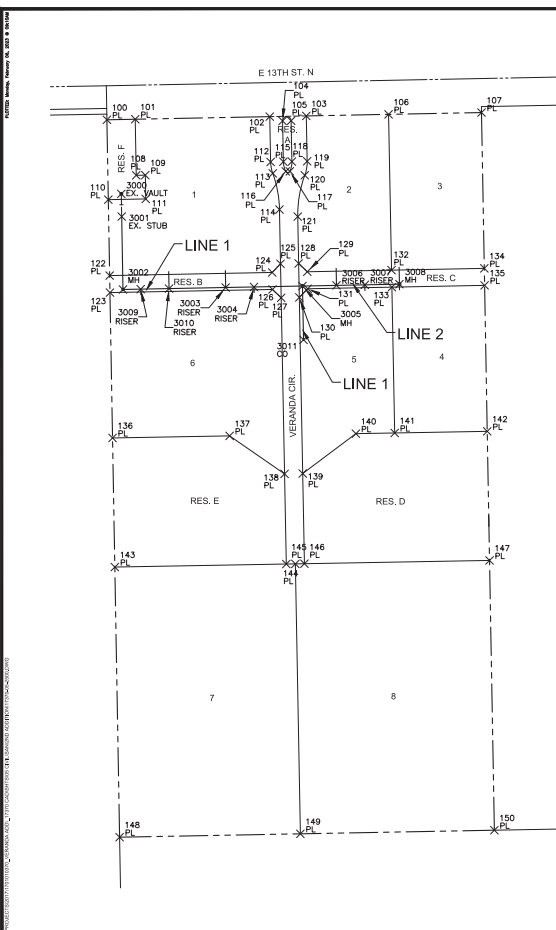


PROJECT NO. 468-2022-000361
DATE: FEB 2023

BUBBLE MAP

SCALE: 1" = 60'
CHECKED: MKB LAL SPE
DATE:

SHEET NO. 08 OF 14



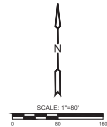
PLAT POINTS table with columns: Point #, Northing, Easting, Desc. (Rows 100-125)

PLAT POINTS table with columns: Point #, Northing, Easting, Desc. (Rows 126-150)

SANITARY POINTS table with columns: Point #, Northing, Easting, Desc. (Rows 3000-3011)

CONTROL POINTS

CONTROL POINTS
CP 2 N: 169401.267 E: 1683642.233 EL: 1378.300
+CUT IN FRONT CENTER CURB INLET WITH MAGN. IN CENTER OF +CUT
CP 3 N: 169446.429 E: 1683912.609 EL: 1383.300
MAGN. & WASHER SE CORNER CURB INLET
CP 4 N: 169413.863 E: 1683314.808 EL: 1396.300
MAGN. & WASHER SE CORNER CURB INLET



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.