

# SANITARY SEWER IMPROVEMENTS TO SERVE 516 S Seneca LOTS 2 & 3, BLOCK 6 LAWRENCE'S ADDITION CITY OF WICHITA, KANSAS

PAUL GUNZELMAN, P.E. CITY ENGINEER  
PROJECT NUMBER  
2024-018708PPS (53030982)

5446D  
SSI-07

D. Reinhardt - City of Wichita Inspector  
Release Date: 1/20/2024  
Apr. 26/2025

## GENERAL NOTES:

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS AND SPECIFICATIONS. ANY CONNECTIONS SHALL BE MADE ON THIS PROJECT AS PAID PER FEES. ANY CONNECTIONS SHALL BE MADE ON THIS PROJECT AS PAID PER FEES. ANY CONNECTIONS SHALL BE MADE ON THIS PROJECT AS PAID PER FEES.
- 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:  
BLACK HILLS ENERGY 1-800-946-8464  
CITY OF WICHITA WATER & SEWER 1-800-694-8989  
CITY OF WICHITA TRAFFIC 1-316-219-8921  
CITY OF WICHITA POLICE 1-316-268-4034  
COX COMMUNICATIONS 1-888-249-3530  
KANSAS GAS SERVICE 1-888-482-4950  
UTILITY SERVICE LINES, POLES, ET AL, ARE TO BE PROTECTED UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES 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 UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF TRANSPORTATION AND HIGHWAYS. FILL WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE FLOODPLAIN FILL PERMIT. ANY FILLING OF WETLANDS IS SUBJECT TO U.S. COAST AND GEODETIC SURVEYING REGULATIONS. ANY MATERIAL BURIED OR COVERED PERMITTING ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED OR STOCKPILED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- DREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED. TREES AND SHRUBS THAT ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- IF PRACTICABLE, THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF PROPOSED PROJECTS 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 RESPONSIBLE FOR REPAIRING OR REPLACING ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED. PROPERTY IRONS SHALL BE REESTABLISHED 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING, LOCATING, AND REPAIRING WATER VALVES. WATER VALVES, VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR. WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FINAL GRADES BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE CONSULTANT ENGINEER AS WELL AS THE CITY, DANVITA REINHARDT AT 316-268-4574, IMMEDIATELY IN WRITING OF ANY DAMAGE TO THE PROPERTY OR TO THE 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 SHALL BE SUBMITTED TO THE CITY ENGINEER, A LICENSED PROFESSIONAL ENGINEER, FOR REVIEW AND APPROVAL. CONSTRUCTION SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO MAINTAIN SAFE TRAFFIC FLOW. ALL TRAFFIC CONTROL MEASURES AND SIGNAGE SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS ADOPTED BY THE KANSAS STATE HIGHWAY ADMINISTRATION. ALL COSTS ASSOCIATED WITH TRAFFIC CONTROL MEASURES 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 REPAIR CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE CONTRACTOR'S QUALIFICATIONS AND SHALL BE AUTHORIZED TO OBTAIN PERMITS CAN BE OBTAINED BY CALLING 316-268-4501 OR 316-268-4480.

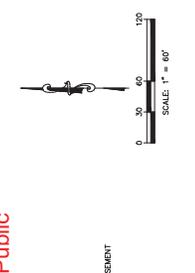
- ALL APPLICABLE FEES (TAP, EQUITY, IN LIEU OF & MAIN BENEFIT) SHALL BE PAID PRIOR TO ANY CONNECTIONS. FEES SHALL BE MADE ON THIS PROJECT AS PAID PER FEES. ANY CONNECTIONS SHALL BE MADE ON THIS PROJECT AS PAID PER FEES. ANY CONNECTIONS SHALL BE MADE ON THIS PROJECT AS PAID PER FEES.
- CITY MAINTENANCE OF SANITARY SEWER MAINS ENDS AT LAST STRUCTURE WITHIN THE EASEMENT OR RIGHT-OF-WAY.
- ALL STUBS AND CAPPED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS RISERS.
- CONNECTING TO EXISTING MAINLINES:  
PRIOR TO LAYING SEWER LINES USING EXISTING STUBS IN EXISTING MANHOLES, THE CONTRACTOR SHALL EXPOSE AND CLEAN THE STUBS AND NOTIFY THE ENGINEER OF ANY DEVIATION FROM THE PLANS. WHERE THE STUB IS UNUSABLE DUE TO A CRACK, REMOVE THE STUB AND PLUMB THE HOLE AND RESEAL. THE EXISTING MANHOLE INVERT TO PROVIDE SMOOTH FLOW WITH THE CONNECTING SUB. EXISTING MANHOLES THAT DO NOT COKE OUT INTO EXISTING MANHOLE WALL TO MAKE CONNECTION USING APPROVED WATER STOP GASKET, AND SMOOTH FLOW, THE COST TO CONNECTING TO EXISTING MANHOLES IS INCIDENTAL TO THE PROJECT.
- CONTRACTOR SHALL LIMIT THE EXTENT OF FRENCH OPEN OPEN OVERNIGHT AND WEEKENDS 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. 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 A-3 COMPACTED TO 90-95% ASTM D98.
- 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.
- SITE PREPARATION AND RESTORATION SHALL BE SUBSIDIARY TO THE PROJECT.
- THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES (BMP-5) TO PREVENT ERODED SOIL FROM ENTERING DITCHES, CREEKS, OR WATERWAYS. BMP-5 MEASURES SHALL FOLLOW THE INTENT OF THE BMP'S WHICH ACT AS A GUIDELINE.
- EACH BIDDER SHALL VISIT THE SITE OF THE PROJECT BEFORE BIDDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING FIELD CONDITIONS AND OBSTACLES WHICH MIGHT BE ENCOUNTERED DURING CONSTRUCTION. EACH BIDDER SHOULD BE AWARE OF EXTRA WORK THAT SHOULD HAVE BEEN EVALUATED PRIOR TO BIDDING.
- EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS MAY BE ENCOUNTERED. ADDITIONAL EXISTING UTILITIES MAY BE ENCOUNTERED.
- ANY AND ALL UTILITY SYSTEM COMPONENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL TRENCHING IN PAVEMENT OR DRIVEWAYS, WHICH WILL BE REQUIRED TO CARRY TRAFFIC UNTIL PERMANENT PAVING REPLACEMENT, SHALL BE TOPPED WITH A MINIMUM OF 6" CRUSHED GRANULAR FILL TO BE IDENTICAL TO THE TEMPORARY PAVEMENT UNTIL PERMANENT PAVEMENT IS INSTALLED.
- PRECAST MANUFACTURERS SHALL PROVIDE A SEALED DESIGN DETAIL FOR ALL PRECAST ITEMS USED ON THE PROJECT TO INSURE THE INTENT OF THE PLANS ARE MET.
- MAINTAIN A MINIMUM OF 10-FOOT HORIZONTAL SEPARATION BETWEEN ALL WATER LINES (MAINS, SERVICES, AND FIRE HYDRANTS), AND ALL SANITARY SEWER LINES (MAINS, SERVICES, AND MANHOLES) FROM EDGE-TO-EDGE AT THE CLOSEST POINT.
- MAINTAIN A MINIMUM OF 5-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MAINS, SERVICES) AND ALL GRAVITY SANITARY SEWER LINES (MAINS, SERVICES), AND MANHOLES) AT CROSSINGS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
- MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN SANITARY SEWER LINES (FORCED MAINS AND SERVICES) AT CROSSINGS. WATERLINES MUST ALWAYS BE PLACED ABOVE SEPARATION DISTANCES. SEE THE PLANS WHERE THEY CROSS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.



**VICINITY MAP**

**INDEX TO SHEETS**

- TITLE SHEET
- DEMOLITION PLAN
- SANITARY SEWER PLAN & PROFILE
- EROSION CONTROL PLAN
- PRECAST SEWER MANHOLE DETAIL
- MANHOLE FRAME & COVER DETAILS
- CURB & INLET PROT. DETAILS
- SILT FENCE BARRIER DETAILS
- STRAW BALE BARRIER DETAILS
- STREET IMPROV. PROJECT DETAILS
- SUBDIVISION DEV. PROCESS DETAILS



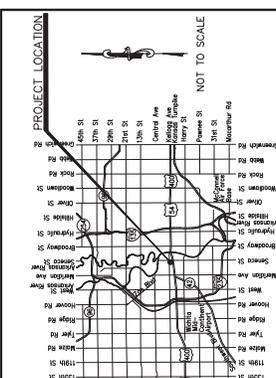
**AS-BUILTS**

Contractor: McCullough Excavation  
Project Inspector: Pablo Oden  
Date: 12/05/2024  
KEMILLER ENGINEERING  
1111 E. 15th Street, Wichita, KS 67202

**BENCHMARKS**

- DATUM: U.S. SURVEY FEET AND REFERS TO NAVD88 DATUM DERIVED FROM CONNECTIONS TO NATIONAL COGS NETWORK VIA GPS STATIC SESSIONS ON PROJECT PROCESSED WITH THE NATIONAL INSTRUMENTS SURVEYING SOFTWARE. ORTHOMETRIC HEIGHT WAS CALCULATED USING THE GEOID28 MODEL.
- BENCHMARKS:  
BENCH X ON SIDEWALK WEST SIDE OF DRIVE ENTRANCE 85' ± WEST OF NORTHEAST PROPERTY CORNER.  
ELEV. = 1296.95  
62. CORNER OF TRASH ENCLOSURE, EAST SET 15' ± NORTH OF NORTHWEST CORNER OF TRASH ENCLOSURE. EAST SET 15' ± NORTH OF NORTHWEST CORNER OF TRASH ENCLOSURE. EAST SET 15' ± NORTH OF NORTHWEST CORNER OF TRASH ENCLOSURE.  
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**UTILITY STATEMENT:**  
WITH REGARD TO UNDERGROUND UTILITIES, INFORMATION FROM THE CONTRACTOR'S RECORD DRAWINGS, FIELD SURVEY, AND OBSERVED EVIDENCE OF UTILITIES TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES. THE CONTRACTOR SHALL VERIFY THE ACCURACY, COMPLETENESS, AND RELIABILITY OF THE INFORMATION PROVIDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND AUTHORIZATIONS FROM THE CITY OF WICHITA AND ANY OTHER AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND AUTHORIZATIONS FROM THE CITY OF WICHITA AND ANY OTHER AGENCIES.



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APPROVED AS NOTED  
BY WICHITA PUBLIC WORKS  
ENGINEERING DIVISION  
Approved by Shawn Melles 08-13-24  
Approved by Scott Mosey 08-13-24  
NOTE TO CONTRACTORS  
Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the City of Wichita. The Inspector shall be responsible for the City of Wichita Standard Specifications for Construction and shall be certified by a Licensed Professional Engineer in the state of Kansas. No work shall be performed by the Contractor without such inspection. No work shall be commenced without written authorization by the City of Wichita. The Contractor shall be responsible for the City of Wichita Standard 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.

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**AUGUST 2024**  
SUNDIATA MARCELIN  
PROFESSIONAL ENGINEER  
9139 E. 17th Street North  
Wichita, Kansas 67260  
www.kemiller-engineering.com  
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OBTAIN PERMITS FOR THIS PROJECT.  
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REV	DATE	DESCRIPTION
0	08-13-24	INITIAL ISSUE

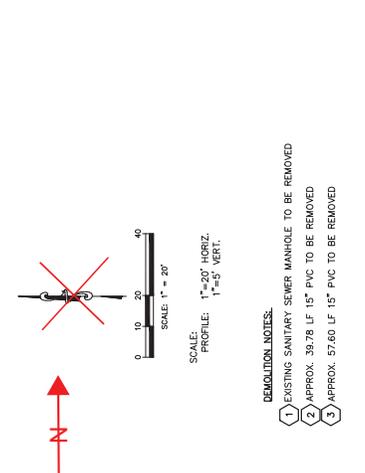
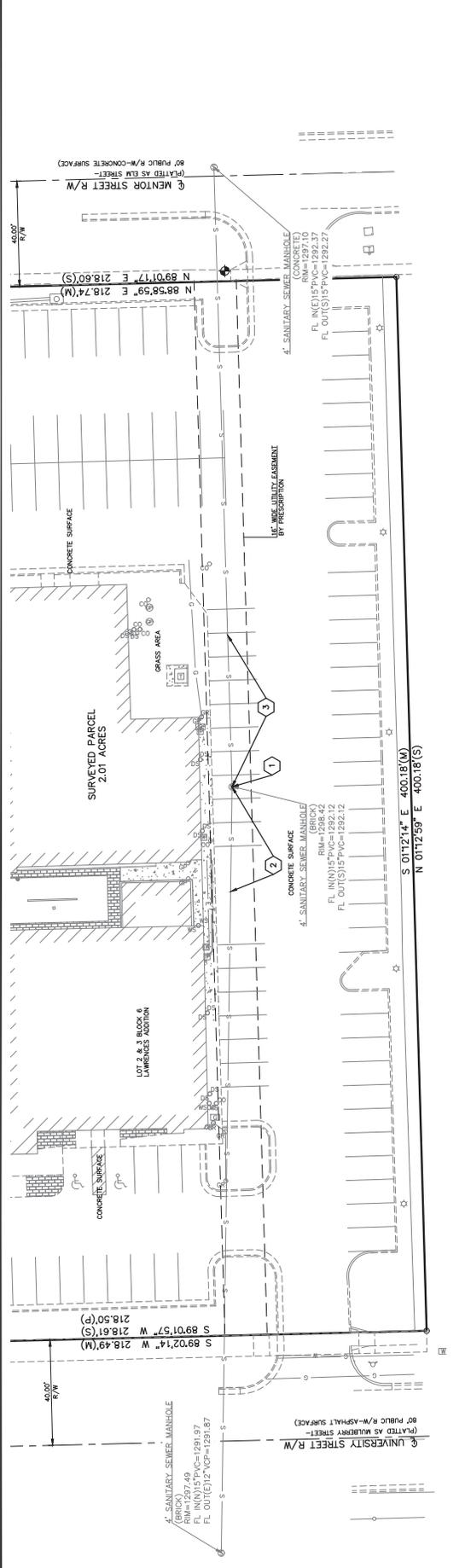


SUMANTA MARCELLIN  
ENGINEER  
KS # 23546

**KAW VALLEY ENGINEERING**  
1938 E. 37TH STREET NORTH  
WICHITA, KANSAS 67213  
PH (316) 440-4500  
WWW.KAWVALLEYENGINEERING.COM

**BLUE MOON CATERERS**  
516 S SENeca ST  
WICHITA, KANSAS 67213  
DEMOLITION PLAN

DESIGNER	SM
DRAWN BY	KAP
CHECKED BY	CS
DATE	08/13/24
SHEET NO.	2
TOTAL SHEETS	0



**DEMOLITION NOTES:**

- EXISTING SANITARY SEWER MANHOLE TO BE REMOVED
- APPROX. 39.78 LF 15" PVC TO BE REMOVED
- APPROX. 57.60 LF 15" PVC TO BE REMOVED

**GENERAL NOTES:**

- CONTRACTOR SHALL VERIFY SITE CONDITIONS PRIOR TO BIDDING. FOUNDATIONS, FENCES, CURBS AND ALL OTHER STRUCTURES FROM WITHIN PROPERTY LINES EXCEPT AS DESIGNATED TO REMAIN, OR TO BE REMOVED BY OTHER CONTRACTORS, SHALL BE DEMOLISHED AND DISPOSED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. SITE CONDITIONS SHOWN WERE AS OF JUNE 5, 2024.
- ALL UTILITY PIPE LINES TO BE ABANDONED SHALL BE PLUGGED PER CITY AND STATE REGULATIONS.
- DRIVES, PAVING AND OTHER STRUCTURES ON STREET OR HIGHWAY SHALL BE REPAIRED AS NECESSARY TO MAINTAIN TRAFFIC FLOW. IMPROVEMENTS SHOWN ON THESE PLANS, REMOVAL AND DISPOSAL SHALL BE IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- ALL PAVING WITHIN PROPERTY TO BE REMOVED AND DISPOSED OF IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- CONTRACTOR SHALL VERIFY THAT ALL UTILITIES TO EXISTING STRUCTURES HAVE BEEN LOCATED PRIOR TO DEMOLITION BEGINNING.
- CONTRACTOR TO NOTIFY THE CITY OF WICHITA, ENGINEER, OF DESIGN 14 DAYS PRIOR TO CONSTRUCTION IN THE EVENT THAT BY-PASS PUMPING IS REQUIRED DURING THE TIME THAT THE SEWER LINE WILL BE OUT OF SERVICE.

THIS PLAN SHEET IS PART OF AN OVERALL KAW VALLEY ENGINEERING PLAN SET FOR THE SPECIFIC PROJECT AND IS NOT TO BE USED IN ISOLATION. THE INFORMATION CONTAINED HEREIN IS FOR YOUR INFORMATION ONLY AND SHOULD NOT BE INTERPRETED WITHIN THE CONTEXT OF THE COMPLETE PLAN SET.

THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.

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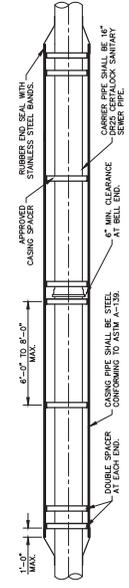
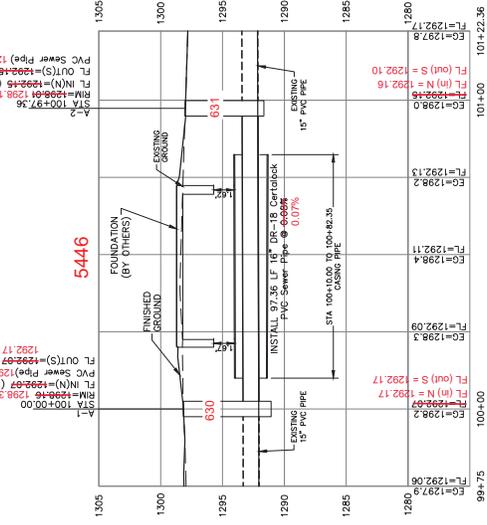
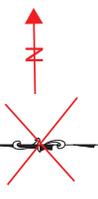
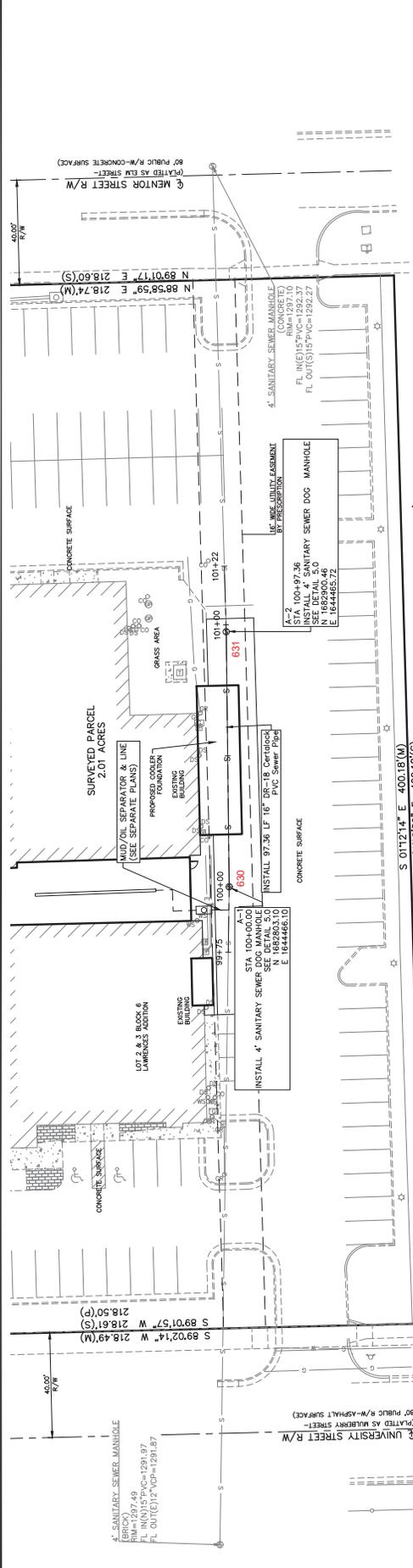


SUMANTA MARUDUN  
ENGINEER  
KS # 251546



BLUE MOON CATERERS  
516 S SENECA ST  
WICHITA, KANSAS 67213  
SANITARY SEWER IMPROVEMENTS  
SANITARY SEWER PLAN & PROFILE

DESIGNER	SKETCH	DATE	0
DRAWN BY	KAP	DATE	3
CHECKED	CS	DATE	0
SHEET	3023SFP	REV.	0



CASING PIPE 205

**AS BUILTS**

KEMILLER ENGINEERING PA  
117 E. WASHINGTON  
WICHITA, KS 67202  
(316) 264-0242

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