

**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  
 WESTAR ENERGY 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.
- THE CONTRACTOR SHALL NOTIFY THE INSPECTING ENGINEER AND TOM MASON AT 316-268-4574 WITH THE CITY OF WICHITA 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.
- IF TRAFFIC WILL BE IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER, BRIAN COON 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 ELEVATIONS SHOWN ARE SHOWN IN CARGILL DATUM. (CARGILL DATUM+1188.2=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, CURB, OR STREET PAVEMENT REMOVED TO CONSTRUCT PROJECT MUST HAVE A PAVEMENT CUT PERMIT AND BE REPLACED BY CITY CONTRACTOR. PERMITS CAN BE OBTAINED BY CALLING 316-268-4501 OR 316-268-4480.
- 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.
- CITY MAINTENANCE OF SANITARY SEWER MAINS ENDS AT THE LAST STRUCTURE WITHIN THE EASEMENT OR RIGHT-OF-WAY.
- FOLLOW THE LINK BELOW FOR SPECIFIC CITY OF WICHITA STANDARD DETAILS (SW-501, SW-502, SW-503, SW-504, SW-505): <http://Utility01:Pw\plan7@Files3.cyberlynx.net>
- 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.
- 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.
- 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. CONTRACTOR'S 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.
- ANY OVER EXCAVATION FROM MANHOLE AND PIPE REMOVAL SHALL BE BACKFILLED WITH AB-3 COMPACTED TO 90-95% ASTM D698.
- WORK DONE UNDER THIS PROJECT IS SUBJECT TO THE CITY OF WICHITA REQUIREMENTS FOR "CONSTRUCTION OF INFRASTRUCTURE IMPROVEMENTS BY PRIVATE CONTRACT". THE CONTRACTOR SHALL BE FAMILIAR AND COMPLY WITH ALL OF THE REQUIREMENTS, INCLUDING BONDING, INSPECTION, TESTING, NOTIFICATION, PROVIDING AS-BUILT DRAWINGS, PAYING FOR ALL NECESSARY CONNECTIONS, AND/OR STREET REPAIR FEES AND PROVIDING PIPE MATERIAL AND OTHER CERTIFICATIONS.
- DEVELOPER FOR THIS PROJECT IS:  
 CARGILL INC.  
 1401 N. MOSLEY  
 WICHITA, KS 67214  
 JOE PIPOU  
 316-302-7810

**PRIVATE SANITARY SEWER**

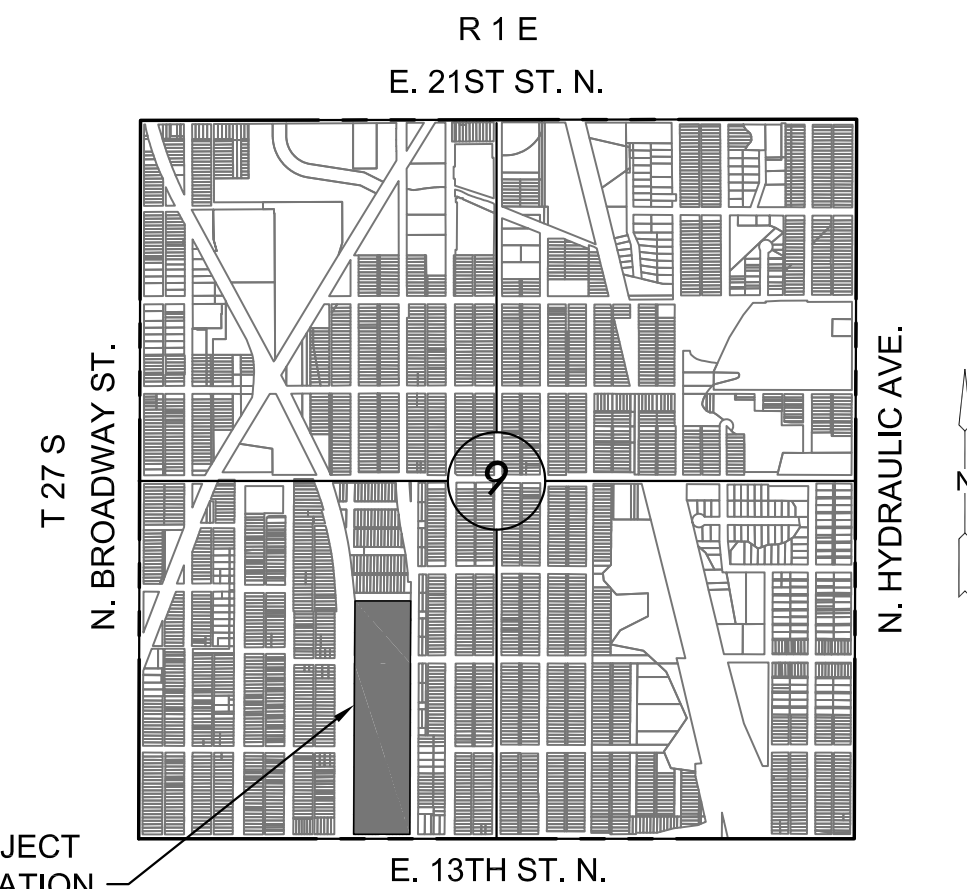
TO SERVE

**CARGILL TRIANGLE**

1401 N. MOSLEY  
 WICHITA, KS 67214  
 THE CITY OF WICHITA, KANSAS  
 GARY JANZEN, P.E. - CITY ENGINEER

PROJECT NO. 2330PPS (184011)

*T. Mason - City of Wichita, Inspector  
 Risers  
 Release Date: 2/8/2018  
 : 2/12/2018 apr*



**VICINITY MAP**  
No Scale

**INDEX TO DRAWINGS**

SHEET NO.	DESCRIPTION
C069_001031	TITLE SHEET
C069_001032	PLAN & PROFILE LINES 1
C069_001033	PLAN SS SERVICE LINES 1, 2, & 3
C069_001034 TO C069_001037	DETAIL SHEETS

PER GENERAL NOTE 16, CONTRACTOR SHALL DOWNLOAD ALL 5 CITY OF WICHITA BMP DETAILS FOR UTILIZATION AS NECESSARY.



**BENCHMARKS**

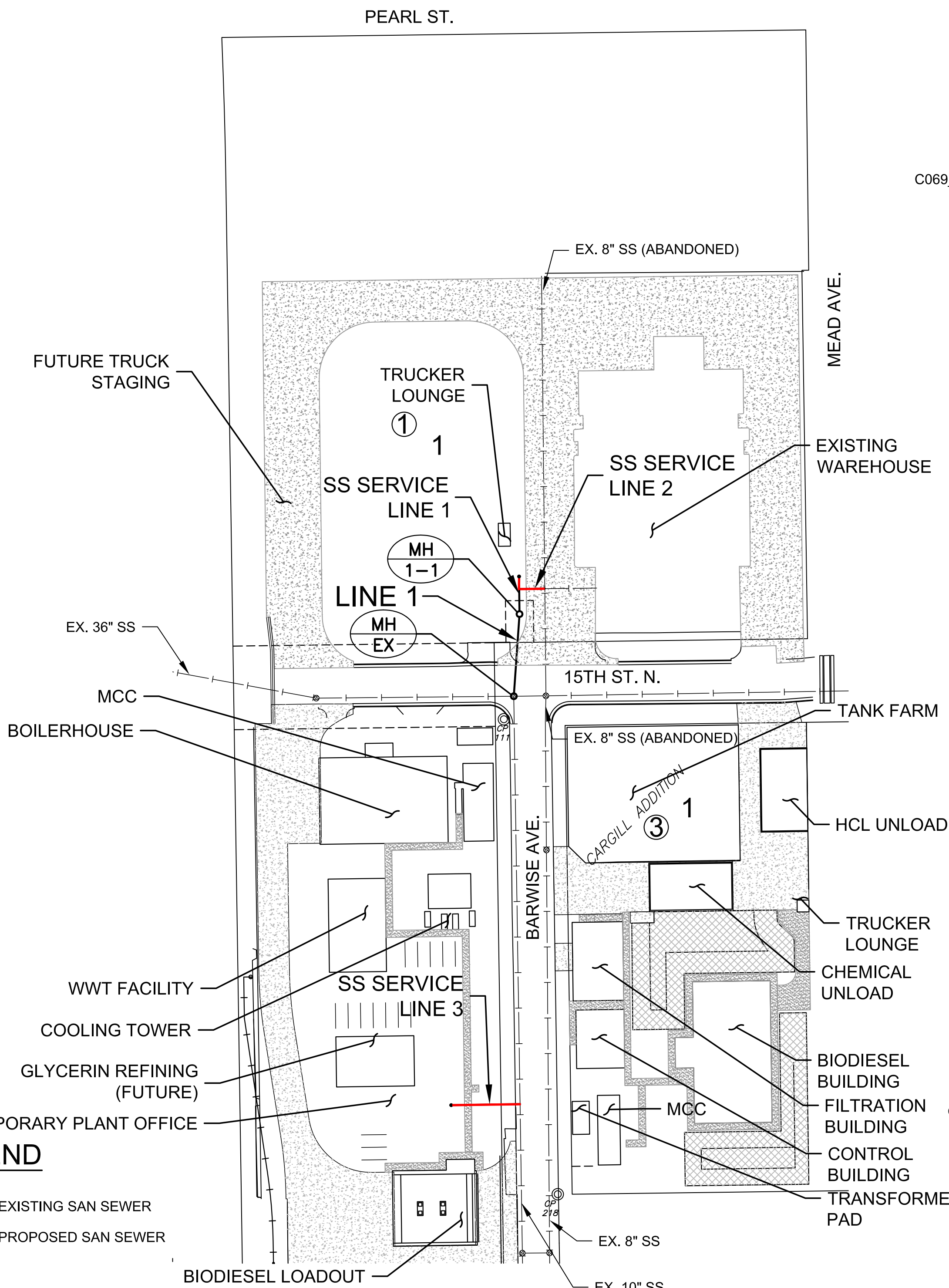
- DATUM:  
 1) THE PROJECT HORIZONTAL DATUM IS BASED ON PREVIOUSLY ESTABLISHED PROJECT COORDINATES  
 2) THE VERTICAL DATUM USED IS CITY OF WICHITA.

**HORIZONTAL CONTROL**

PT. NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
103	1694073.289	1651689.326	116.913	5/8" REBAR W/ RED MKEC CONTROL PT. ID CAP
104	1694086.911	1651182.949	116.788	PK-NAIL W/ MKEC CONTROL PT. ID WASHER
105	1694054.670	1651132.412	117.551	PK-NAIL
111	1695145.160	1651134.046	117.250	5/8" REBAR W/ RED MKEC CONTROL PT. ID CAP
213	1693886.707	1650976.890	118.370	CHISELED "X"
214	1694074.212	1650931.170	116.270	CHISELED "X"
215	1694262.481	1650927.514	116.700	CHISELED "X"
216	1694457.685	1650924.281	117.500	CHISELED "X"
217	1694735.954	1650918.919	118.840	CHISELED "X"
218	1694804.296	1651172.705	116.880	CHISELED "X"

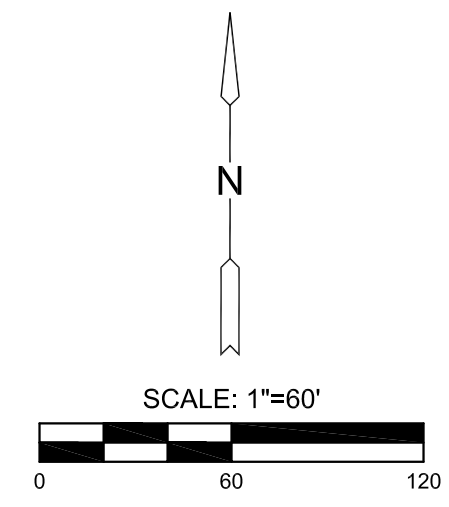
BENCHMARK  
 CHISELED SQUARE ON TOP OF CONCRETE RETAINING WALL AT THE NORTHEAST CORNER OF TRANSFORMER CONTAINMENT, SOUTH OF GEKA BUILDING. ELEV = 118.79 (CARGILL PLANT DATUM)

BM 1- CHISELED SQUARE ON PIPE RACK FOOTING, NEAR THE SOUTHEAST CORNER OF TANK CONTAINMENT AREA, SOUTH END OF LOADING RACK ALONG RAILROAD TRACKS  
 ELEVATION = 119.396 (CARGILL DATUM)



**LEGEND**

- EXISTING SAN SEWER
- PROPOSED SAN SEWER



**AS-BUILT PLANS - FEBRUARY 2018**

INSPECTED BY: LARRY SCHALLER - MKEC ENGINEERING, INC.  
 CONSTRUCTED BY: WILDCAT CONSTRUCTION  
 SUPERINTENDENT: GREG BREIT  
 FOREMAN: DAVID WILLIAMS  
 SUPPLIER: WICHITA WINWATER

APPROVED AS NOTED BY WICHITA PUBLIC WORKS ENGINEERING DIVISION

Engineering: *Jubane Kellerman 11-16-17*  
 Utilities: *[Signature] 11-16-17*

**NOTE TO CONTRACTORS**  
 Public Property:  
 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 is required on-site.

PRIVATE SANITARY SEWER PLANS FOR  
**CARGILL TRIANGLE**  
 WICHITA, KANSAS



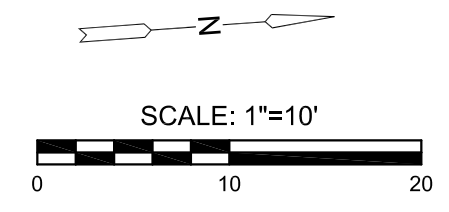
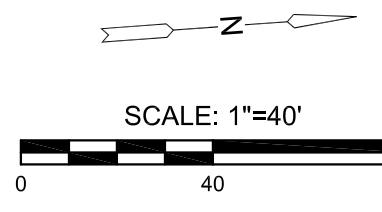
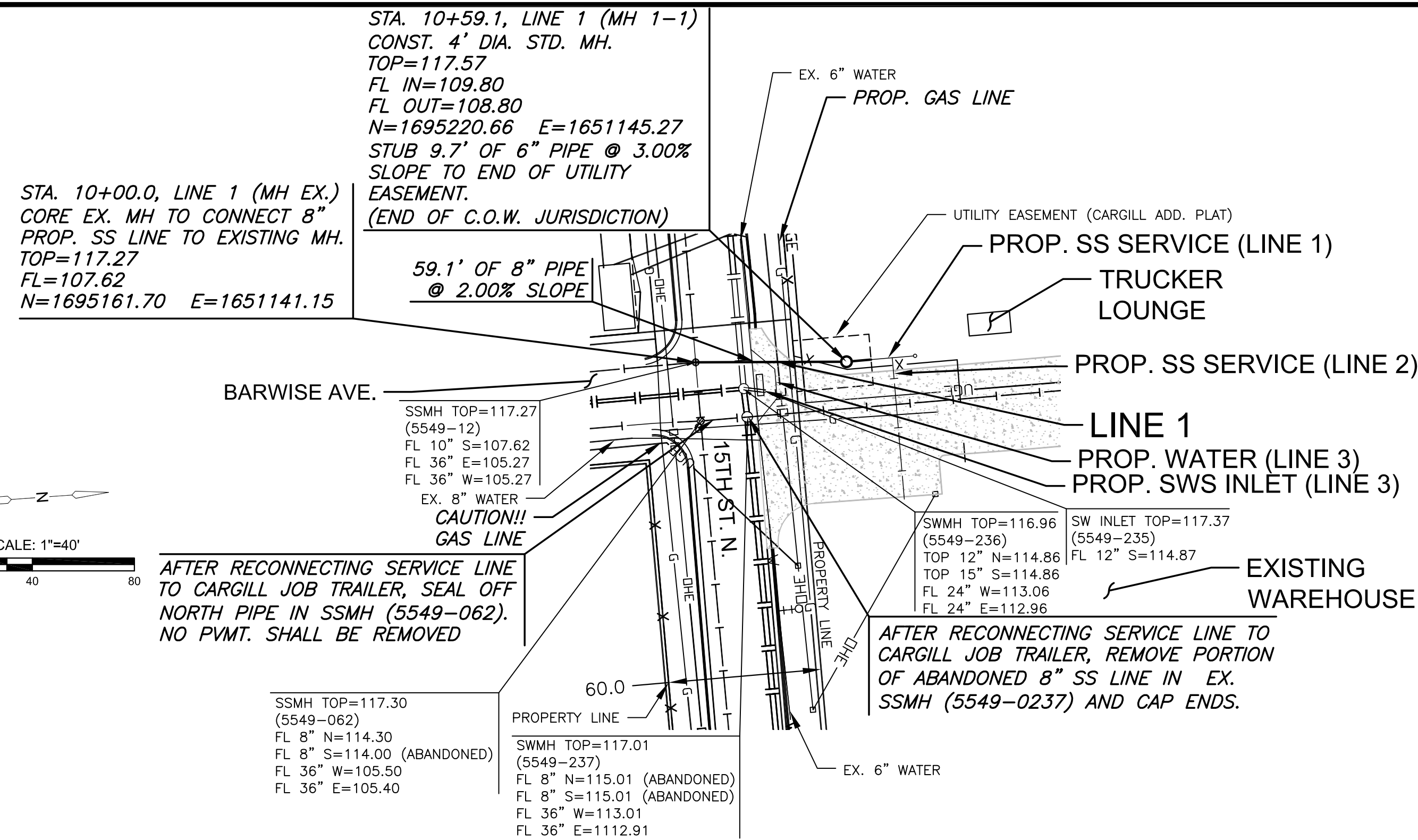
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**2330PPS TITLE SHEET**

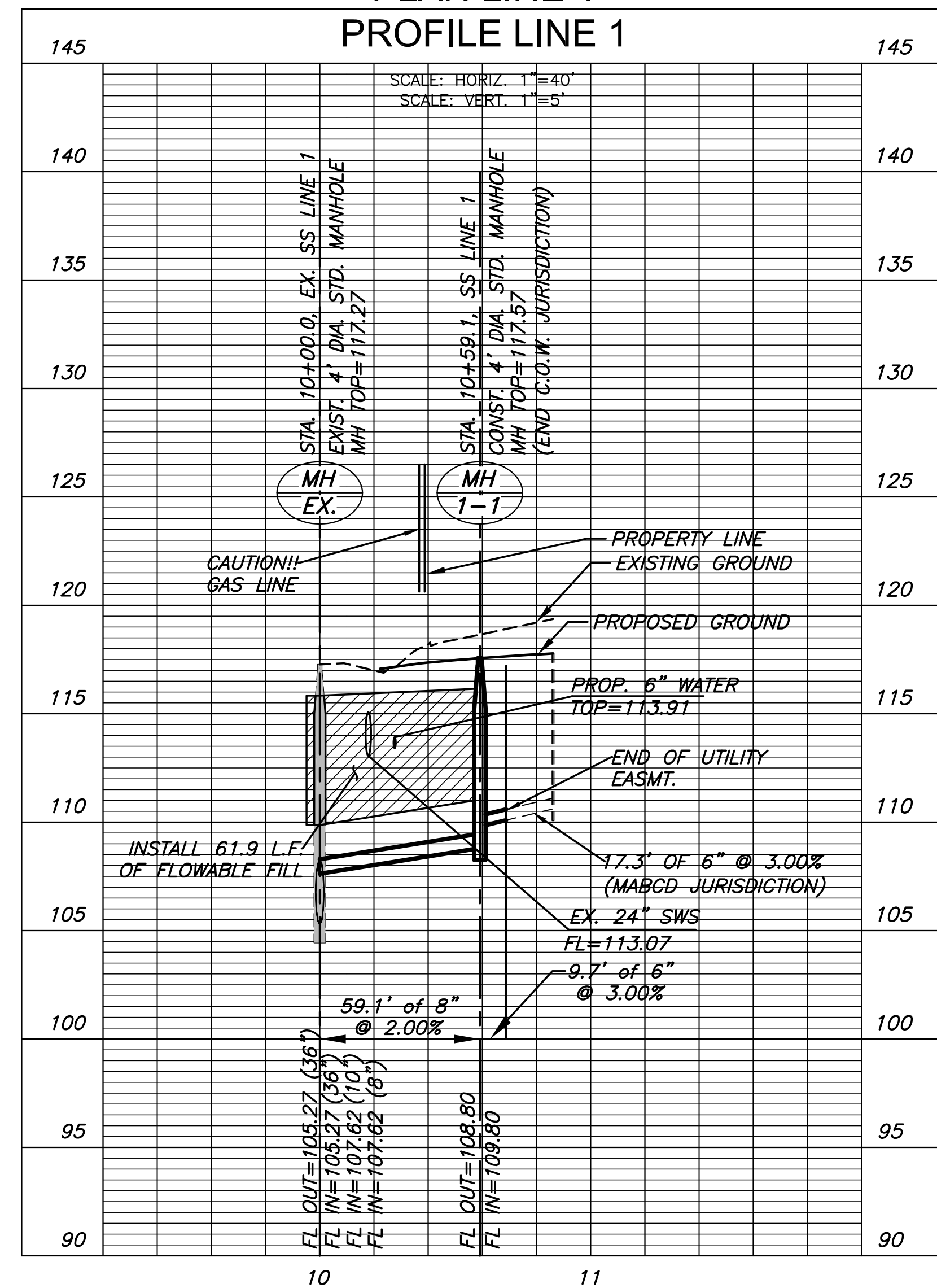
PROJECT NO.	2330PPS
DATE	NOV. 2017
SCALE	1"=60'
DESIGNED	SLF
DRAWN	CRM
CHECKED	SLF
SHEET NO.	C069_001031

PLOTTER: Pfilev, February 02, 2018 12:20PM

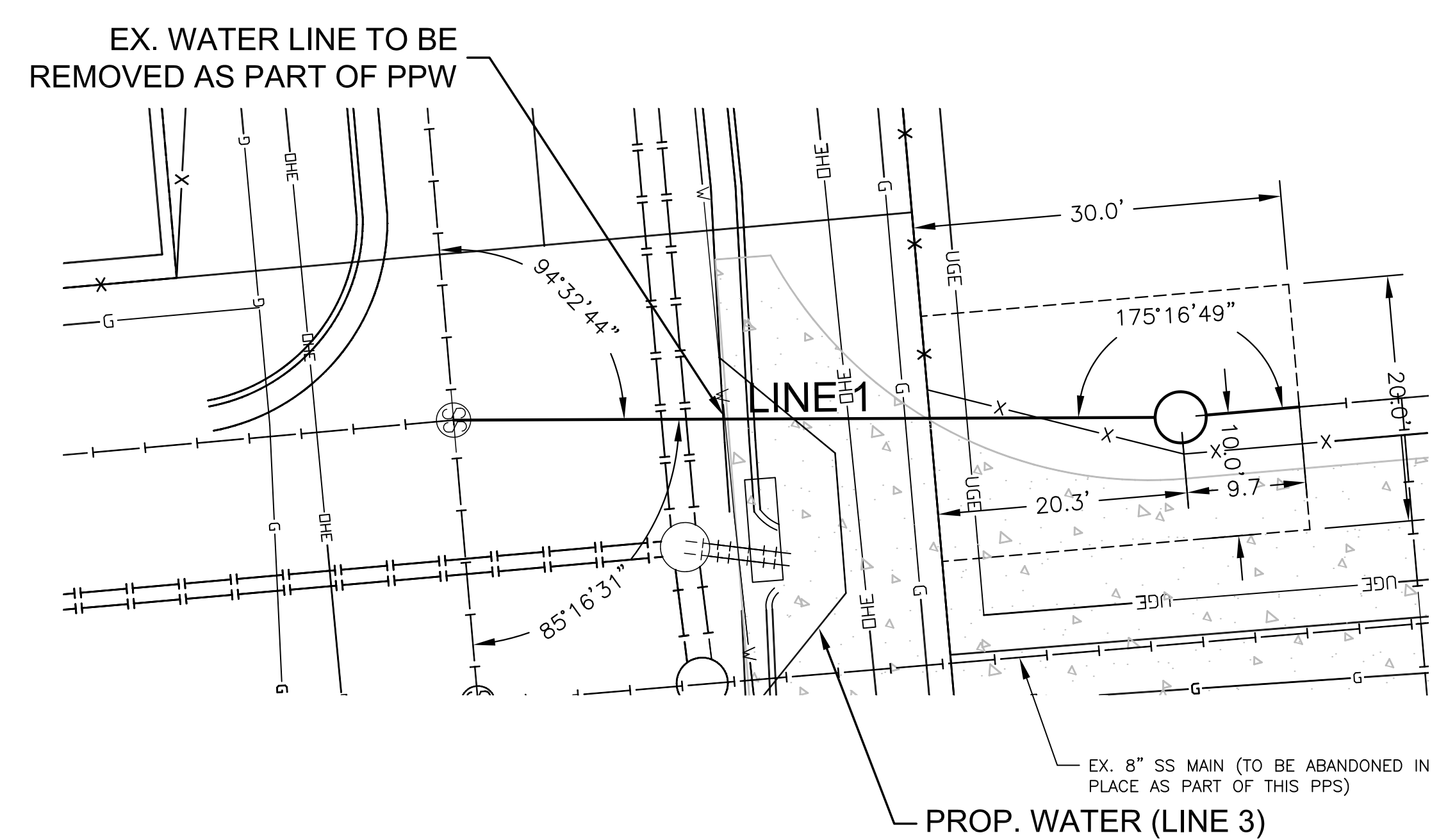
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PLAN LINE 1  
 PROFILE LINE 1



BUILT PER PLANS



NOTE:  
 PAVEMENT REMOVAL AND  
 REPAIR LIMITS FOR SS LINE  
 1 ON 0490PPD (BY OTHERS)

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

PRIVATE SERVICE LINE NOTE:  
 CONTRACTOR SHALL OBTAIN A  
 STANDARD SEWER PERMIT FOR  
 THE INSTALLATION OF THE SERVICE LINES  
 TO THE CARGILL JOB TRAILERS AND THE  
 PROPOSED TRUCKER LOUNGE. THE 8"  
 MAIN INSTALLATION AND TESTING  
 ACCEPTANCE WILL BE A REQUIREMENT FOR  
 THE ISSUANCE OF THE SEWER PERMIT.

AS-BUILT PLANS - FEBRUARY 2018



PRIVATE SANITARY SEWER PLANS FOR  
**CARGILL TRIANGLE**  
 WICHITA, KANSAS

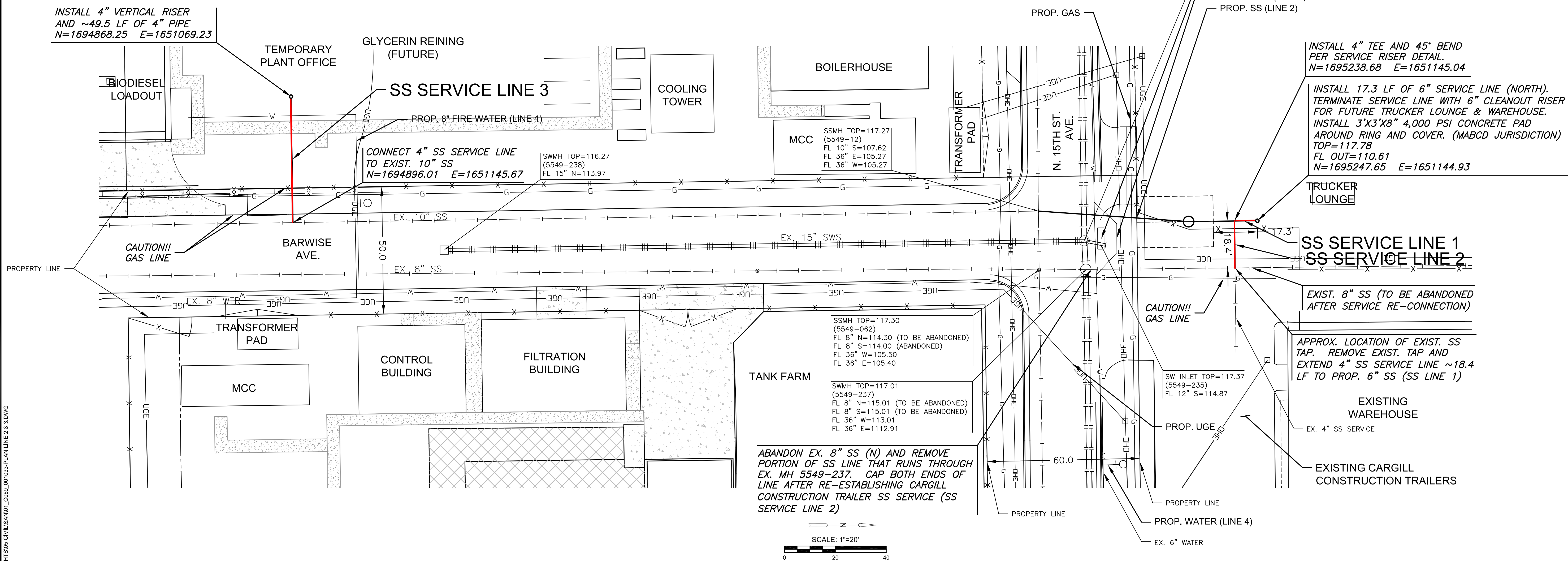
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PLAN AND  
 PROFILE LINE 1

PROJECT NO.	2330PPS	
DATE	NOV. 2017	
SCALE	1"=40'	
DESIGNED	SLF	
DRAWN	CRM	
CHECKED	SLF	
NO.	REVISION	DATE
0	IFC	11/13/17
SHEET NO.		
C069_001032		

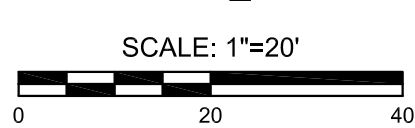
**SS SERVICE LINES 1, 2, AND 3  
FALL UNDER MABCD  
JURISDICTION, NOT ENGINEERING**

**PRIVATE SERVICE LINE NOTE:**  
CONTRACTOR SHALL OBTAIN A STANDARD SEWER PERMIT AND PAVE CUT PERMIT FOR THE INSTALLATION OF THE SERVICE LINES AS SHOWN. IF SERVICE LINES CONNECT TO NEW MAIN EXTENSIONS, THE MAIN MUST BE APPROVED & RELEASED BY C.O.W. ENGINEERING BEFORE MABCD WILL ISSUE A SEWER PERMIT.



PLOTTED: Friday, February 02, 2018 @ 12:24PM  
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**NOTE:**  
CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.



BUILT PER PLANS

SEWER SERVICE TABLE						
NO.	TYPE	LOCATION			FOR INFORMATION ONLY	
		LOT NO.	BLOCK	LINE NO. STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
1	TEE SERVICE CONNECTION	1	1	1 -	7.0'	17.3
2	TEE SERVICE CONNECTION	1	1	2 -	7.5'	18.4
3	TEE SERVICE CONNECTION	1	1	3 -	8.5'	49.5'

AS-BUILT PLANS - FEBRUARY 2018



PRIVATE SANITARY SEWER PLANS FOR  
**CARGILL TRIANGLE**  
 WICHITA, KANSAS

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<b>PLAN SS SERVICE LINE 1, 2, &amp; 3</b>		
PROJECT NO.	2330PPS	
DATE	NOV. 2017	
SCALE	1"=20'	
DESIGNED	DRAWN	CHECKED
SLF	CRM	SLF
NO.	REVISION	DATE
0	IFC	11/13/17
SHEET NO.		
C069_001033		