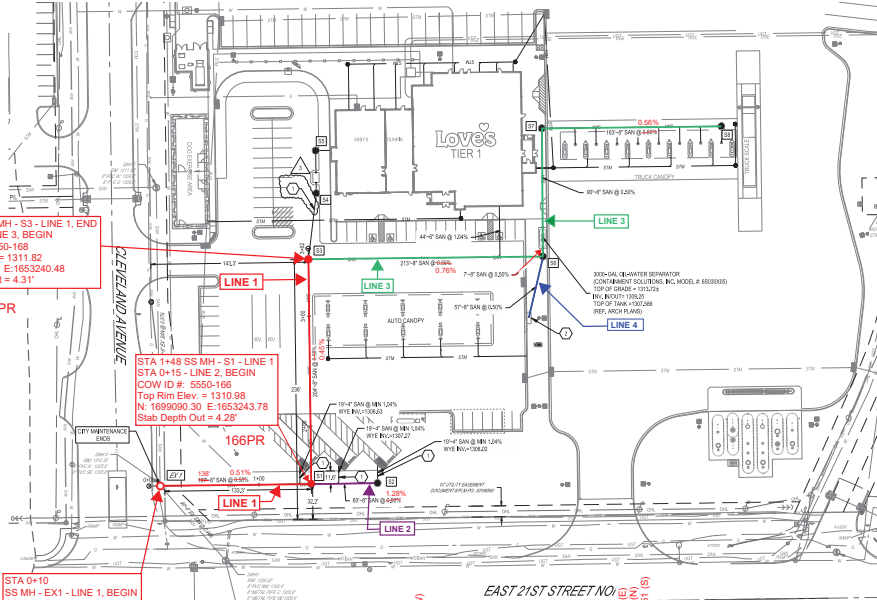




**BENCHMARKS**

TBM: FOUND/IMBEDDED  
ELEV: 10.00'  
TBM: FOUND/IMBEDDED  
ELEV: 10.00'  
VERTICAL DATUM: NAVD83



STA 3+52 SS MH - S3 - LINE 1, END  
STA 0+15 - LINE 3, BEGIN  
COW ID #: 5550-168  
Top Rim Elev. = 1311.82  
N: 1699293.72 E: 1653240.48  
Slab Depth Out = 4.31'

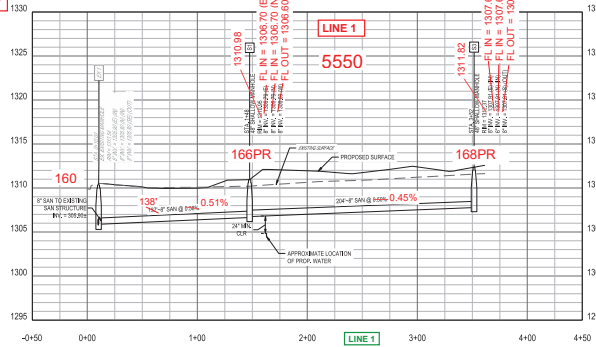
168PR

STA 1+48 SS MH - S1 - LINE 1  
STA 0+15 - LINE 2, BEGIN  
COW ID #: 5550-166  
Top Rim Elev. = 1310.98  
N: 1699090.30 E: 1653243.78  
Slab Depth Out = 4.25'

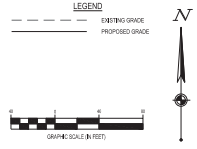
166PR

STA 0+10  
SS MH - EX1 - LINE 1, BEGIN  
COW ID #: 5550-160  
N: 1699088.11 E: 1653106.17

160



SANITARY EX STRUCTURE-S1-S3 PROFILE  
SCALE: 1" = 40' HORIZ., 1" = 5' VERT.



**CODED NOTES:**  
1. ANY SANITARY PIPELINE SMALLER THAN 18" IS NOT PART OF THE PROJECT.  
2. PROPOSED 18" WATER MAIN BY DUMP STATION, REFER TO PPS DETAIL SHEET.

Sanitary Sewer Line 1:  
Constructed On Plan Alignment.



LOVES TRAVEL STOP  
WICHITA, KS  
1504 E 21ST STREET N  
WICHITA, KS 67214

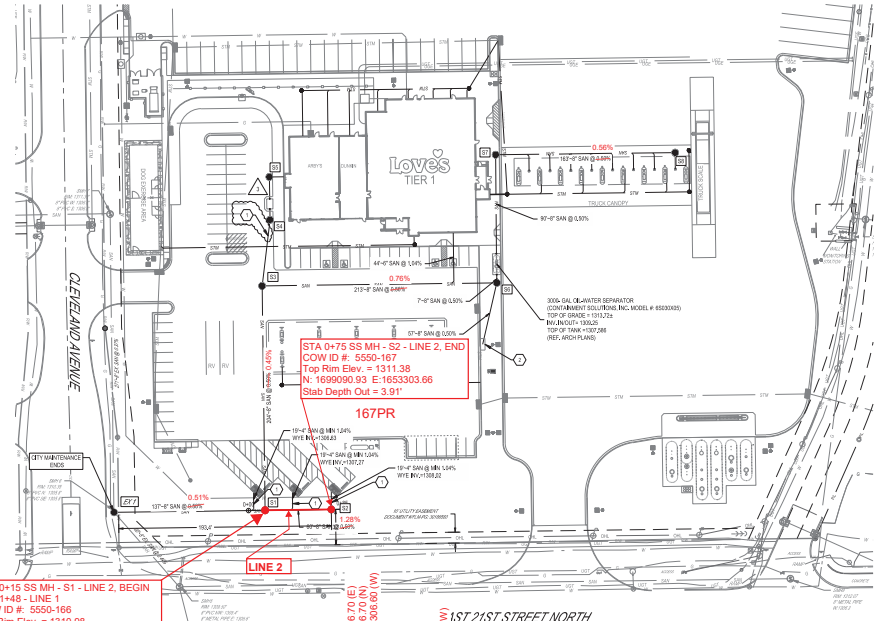
Revisions / Submissions	
ID	Date
1	11/16/2023
2	12/18/2023
3	01/16/2024

Project Number: 761426  
Scale: 40  
Drawn By: FMS  
Checked By: JMS  
Date: 11/09/2023  
Issue: PERMIT SET

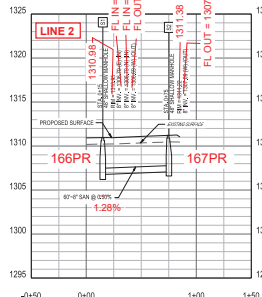
Drawing Title:  
**PPS PLAN AND PROFILE**  
**LINE 1**

**BENCHMARKS**

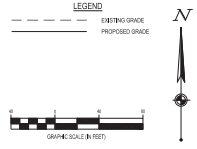
TBM: FOUND/MELOD 'Y'  
ELEV: 150.47  
TBM: FOUND/MELOD 'Y'  
ELEV: 150.47  
VERTICAL DATUM: NAVD83



STA 0+15 SS MH - S1 - LINE 2, BEGIN  
STA 1+48 - LINE 1  
COW ID #: 5550-166  
Top Rim Elev. = 1310.98  
N: 1699090.30 E: 1653243.78  
Slab Depth Out = 4.26



SANITARY S1-S2 PROFILE  
SCALE: 1" = 40' HORIZ.; 1" = 5' VERT.



CODED NOTES:  
 1. ANY SANITARY PIPELINE SMALLER THAN 18" IS NOT PART OF THE S.S. LINE.  
 2. PROPOSED 36" WATER MAIN BY DUMP STATION, REFER TO PPS DETAIL SHEET.

Sanitary Sewer Line 2:  
 Constructed on Plan Alignment.



LOVE'S TRAVEL STOP  
 WICHITA, KS  
 1504 E 21ST STREET N  
 WICHITA, KS 67214

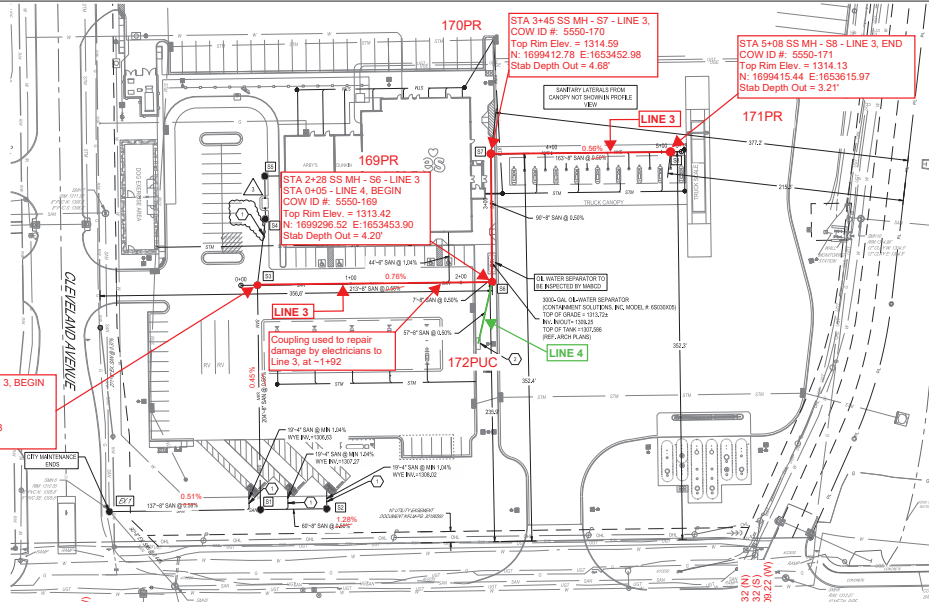
Revisions / Submissions	
1	DISSEMINATION
2	ADDRESS #1
3	ADDRESS #2
4	ADDRESS #3

Project Number:	761426
Scale:	40'
Drawn By:	FAR
Checked By:	JMS
Date:	11/08/2023
Title:	PERMIT SET

Drawing Title:  
**PPS PLAN AND PROFILE**  
**LINE 2**

**BENCHMARKS**

TRIM: FOUND/BELLOTT  
ELEV: 1504.47  
TRIM: FOUND/BELLOTT  
ELEV: 1504.47  
VERTICAL DATUM: NAVD83



**LEGEND**  
EXISTING GRADE  
PROPOSED GRADE  
Sanitary Sewer Lines 3 & 4.  
Constructed on Plan Alignment.



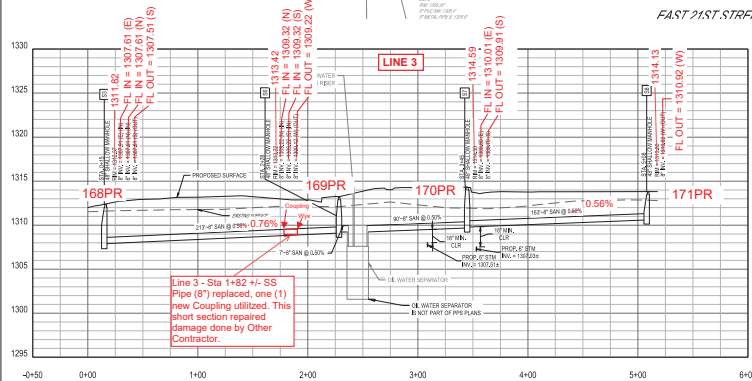
**168PR**  
STA 0+15 SS MH - S3 - LINE 3, BEGIN  
STA 3+52 - LINE 1, END  
COW ID #: 5550-168  
Top Rim Elev. = 1311.82  
N: 1699293.72 E: 1653240.48  
Slab Depth Out = 4.31'

**169PR**  
STA 2+28 SS MH - S6 - LINE 3  
STA 0+05 - LINE 4, BEGIN  
COW ID #: 5550-169  
Top Rim Elev. = 1313.42  
N: 1699296.52 E: 1653453.90  
Slab Depth Out = 4.29'

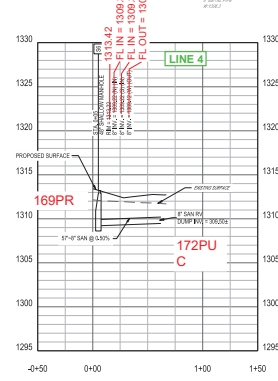
**170PR**  
STA 3+45 SS MH - S7 - LINE 3  
COW ID #: 5550-170  
Top Rim Elev. = 1314.59  
N: 1699412.78 E: 1653452.98  
Slab Depth Out = 4.68'

**171PR**  
STA 5+08 SS MH - S8 - LINE 3, END  
COW ID #: 5550-171  
Top Rim Elev. = 1314.13  
N: 1699415.44 E: 1653615.97  
Slab Depth Out = 3.21'

Coupling used to repair damage by electricians to Line 3, at +1+92.

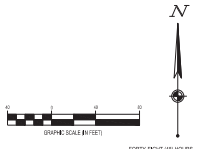


SANITARY S3-S6-S7-S8 PROFILE  
SCALE: 1" = 40' HORIZ.; 1" = 5' VERT.



SANITARY PROFILE S3-S8 PROFILE  
SCALE: 1" = 40' HORIZ.; 1" = 5' VERT.

- CODED NOTES**
1. NOT SHOWN: PROFILE SHOULD BE EXACT COPY OF THIS PPS.
  2. PROPOSED: ALL WATER BLANK BY DUMP STATION, REFER TO PPS DETAIL SHEET.



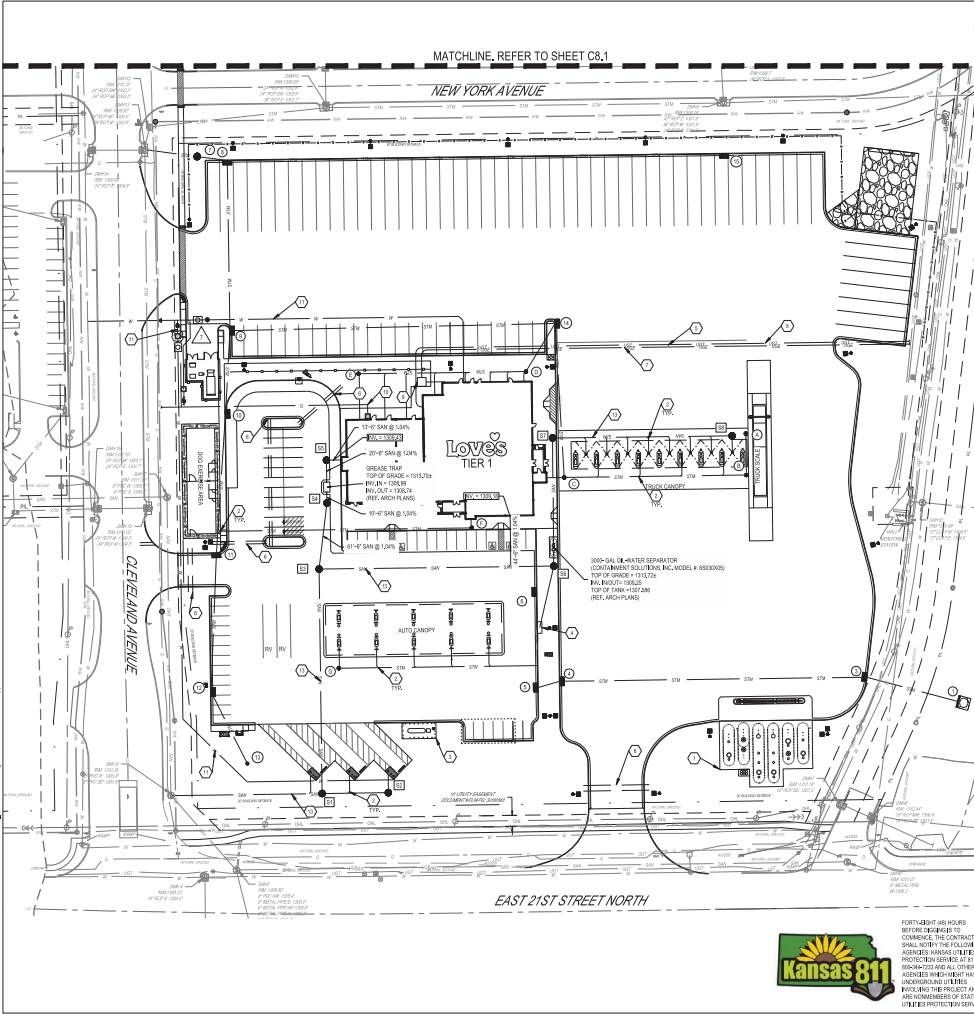
**LOVES TRAVEL STOP  
WICHITA, KS**  
1504 E 21ST STREET N  
WICHITA, KS 67214

Revisions / Submissions	
1	DISSEMINATION
2	ADDRESS/NO. 1
3	ADDRESS/NO. 2
4	ADDRESS/NO. 3

Project Number:	761426
Scale:	40
Drawn By:	FAR
Checked By:	JMS
Date:	11/09/2023
Title:	PERMIT SET

**PPS PLAN AND PROFILE  
LINE 3 & 4**

**4 OF 13**



- CODED NOTES**
1. UNDERGROUND STORAGE TANKS, REFERENCE ARCHITECTURAL PLANS AND PIPING PLANS.
  2. WYE CONNECTION.
  3. PROPANE STORAGE AREA, REFERENCE ARCHITECTURAL PLANS.
  4. NEW WATER BLIND TO DUMP, REFERENCE ARCHITECTURAL PLANS AND PIPING PLANS.
  5. CONTRACTOR SHALL PROVIDE 24" Ø CONDUITS TO BE USED FOR TELEPHONE AND COMMUNICATIONS. COORDINATE WITH TELEPHONE COMMUNICATIONS COMPANY FOR CONDUIT SIZE AND EXACT LOCATION OF PROPOSED SERVICE.
  6. INSTALL USE PROTECTION DEVICES WITH MINIMUM 2" OF COVER, CAP AND FLAG SIGNS. CONTRACTOR TO COORDINATE FINAL LOCATION WITH ELECTRIC COMPANY.
  7. PROPOSED UNDERGROUND ELECTRIC SERVICE, CONTRACTOR TO COORDINATE FINAL LOCATION WITH TELEPHONE COMPANY.
  8. PROPOSED UNDERGROUND TELEPHONE SERVICE, CONTRACTOR TO COORDINATE FINAL LOCATION WITH TELEPHONE COMPANY.
  9. APPROXIMATE LOCATION OF TRANSFORMER PAD WITH SOLID PROTECTION AS REQUIRED BY CITY CODES.
  10. PROPOSED GAS SERVICE, CONTRACTOR TO COORDINATE FINAL LOCATION WITH GAS COMPANY.
  11. REFER TO PIPING PLANS UNDER SEPARATE COVER PREPARED BY CEES.
  12. NOT USED.
  13. REFER TO PIPING PLANS UNDER SEPARATE COVER PREPARED BY CEES.
  14. FIC CONNECTION, REFER TO MEP DRAWINGS FOR FINAL LOCATION.

**LEGEND**

REFER TO ULTANS'S TOPOGRAPHIC SURVEY

**EXISTING**

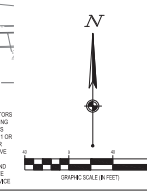
- 1" W = STORM SEWER
- 1" W = SANITARY SEWER
- 1" W = DOMESTIC WATER SERVICE
- 1" W = UNDERGROUND ELECTRIC SERVICE
- 1" W = GAS SERVICE
- 1" W = TELEPHONE SERVICE
- 1" W = UTILITY EASEMENT

**PROPOSED**

- 1" W = STORM STRUCTURE NUMBER
- 1" W = STORM CLEANOUT NUMBER
- 1" W = STORM CLEANOUT
- 1" W = STORM ENDWALL
- 1" W = STORM CLEANOUT
- 1" W = SANITARY STRUCTURE NUMBER
- 1" W = SANITARY STANDARD MANHOLE
- 1" W = SANITARY CLEANOUT
- 1" W = WATER VALVE
- 1" W = WATER METER
- 1" W = REDUCER
- 1" W = BACKFLOW PREVENTER
- 1" W = FEE HYDRANT
- 1" W = GAS METER
- 1" W = BEET POLE
- 1" W = TELEVISION CAMERA
- 1" W = FIRE DEPARTMENT CONNECTION
- 1" W = BACK FLOW PREVENTOR

**SANITARY SEWER STRUCTURE SCHEDULE**

NO.	STRUCTURE	RM	INVERT
01	48" SHALLOW MANHOLE	1313.05	1304.79 @ E 1304.79 @ N 1304.69 @ W
02	48" SHALLOW MANHOLE	1313.22	1304.28 @ W 1304.28 @ N 1304.28 @ E
03	48" SHALLOW MANHOLE	1313.27	1304.28 @ W 1304.28 @ N 1304.28 @ E
04	48" SHALLOW MANHOLE	1313.28	1304.28 @ W 1304.28 @ N 1304.28 @ E
05	48" SHALLOW MANHOLE	1313.28	1304.28 @ W 1304.28 @ N 1304.28 @ E
06	48" SHALLOW MANHOLE	1313.22	1304.28 @ W 1304.28 @ N 1304.28 @ E
07	48" SHALLOW MANHOLE	1313.28	1304.28 @ W 1304.28 @ N 1304.28 @ E
08	48" SHALLOW MANHOLE	1313.28	1304.28 @ W 1304.28 @ N 1304.28 @ E
09	CLEANOUT	1313.47	1304.16 @ W 1304.16 @ N 1304.16 @ E
10	CLEANOUT	1313.47	1304.16 @ W 1304.16 @ N 1304.16 @ E
11	CLEANOUT	1313.47	1304.16 @ W 1304.16 @ N 1304.16 @ E
12	CLEANOUT	1313.47	1304.16 @ W 1304.16 @ N 1304.16 @ E
13	48" MANHOLE	1313.21	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
14	CLEANOUT	1313.28	1304.16 @ W 1304.16 @ N 1304.16 @ E
15	CLEANOUT	1313.36	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
16	CLEANOUT	1313.48	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
17	CLEANOUT	1313.48	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
18	CLEANOUT	1313.48	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
19	CLEANOUT	1313.62	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
20	CLEANOUT	1313.58	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
21	CLEANOUT	1313.64	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
22	CLEANOUT	1313.61	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
23	CLEANOUT	1313.65	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
24	CLEANOUT	1313.58	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
25	CLEANOUT	1313.74	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S
26	CLEANOUT	1313.77	1304.08 @ E 1314.45 @ W 1304.28 @ N 1304.28 @ S



PROJECT LOCATION: 1500 S. WICHITA, KANSAS 67202. SHEET NO. C8.0. DATE: 11/08/2023.

FORTY-EIGHT (48) HOURS BEFORE DESIGNS TO COMMENCE THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: KANSAS UTILITIES PROTECTION SERVICE AT 811 OR PROSPECTOR AND ALL OTHER AGENCIES WHOSE WORK MAY BE AFFECTED BY THE PROJECT AND INCLUDING THE PROJECT AND ALL HOMEOWNERS OF STATE UTILITIES PROTECTION SERVICE.



**LOVES TRAVEL STOP**


**WICHITA, KS**

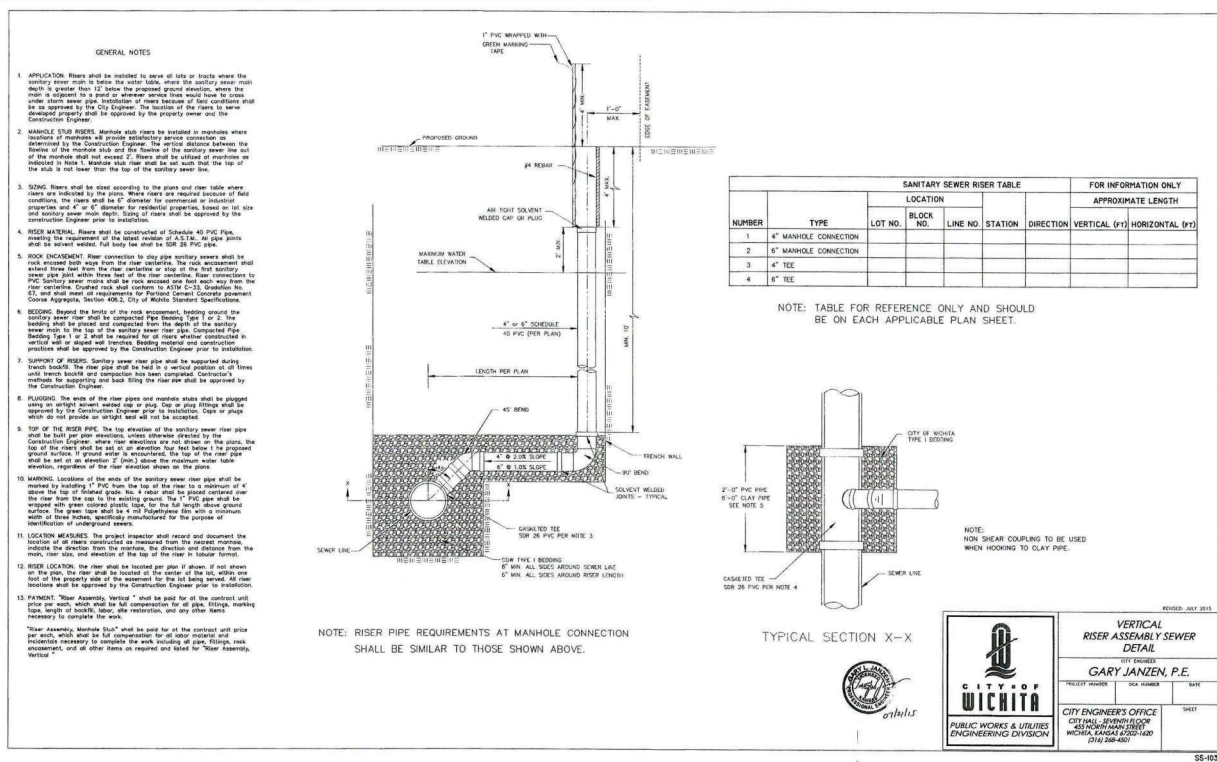
1504 E 21ST STREET N  
WICHITA, KS 67214

Revisions / Submissions

0	DESCRIPTION	DATE
1	REDESIGNED	10/10/2023
7	CC23	04/23/2024

Project Number: 761426  
 Scale: 40  
 Drawn By: FMS  
 Checked By: JMS  
 Date: 11/08/2023  
 Title: PERMIT SET

Drawing Title: **UTILITY PLAN - SOUTH**  
  
**C8.0**

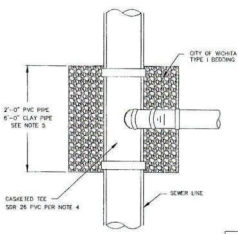


- GENERAL NOTES**
- APPLICATION: Risers shall be installed in sewer pits or trenches where the sanitary sewer main is below the water table, where the sanitary sewer main is subject to a joint or wherever service lines would have to cross under other sewer pipes. Installation of risers because of field conditions shall be approved by the City Engineer. The location of the risers to serve manholes shall be approved by the property owner and the Construction Engineer.
  - MANHOLE STUB RISERS: Manhole stub risers shall be installed in manholes where risers are required. The riser shall be installed in manholes where the location of the manhole and the location of the riser are determined by the Construction Engineer. The vertical distance between the center of the manhole and the center of the riser shall not exceed 7 feet. Risers shall be installed in manholes as indicated in Note 1. Manhole stub risers shall be set such that the top of the riser is not lower than the top of the sanitary sewer line.
  - SETTING: Risers shall be set according to the plans and rise table where risers are indicated by the owner. Where risers are indicated on field conditions, the riser shall be set according to the construction engineer's specifications and 4" or 6" diameter for riser pipe, based on lot size and sanitary sewer main depth. Setting of risers shall be approved by the Construction Engineer prior to installation.
  - RISER MATERIAL: Risers shall be constructed of Schedule 40 PVC pipe meeting the requirements of the latest edition of A.S.T.M. All pipe joints shall be gasketed. Full body riser shall be set in 26 PVC block.
  - ROCK ENCASMENT: Riser connection to slip pipe sanitary sewers shall be rock encased both ways from the riser connection. The rock encasement shall extend two feet from the riser connection or slip at the top sanitary sewer pipe joint within three feet of the riser connection. Riser connection to slip pipe sanitary sewer shall be rock encased one foot from the riser connection. Detailed rock shall conform to A.S.T.M. C-33, Specification No. 63, and shall meet all requirements for Portland Cement Concrete pavement Course Aggregate, Section 405.5, City of Wichita Standards Specifications.
  - BEDDING: Beyond the limits of the rock encasement, bedding around the sanitary sewer riser shall be compacted fine bedding Type 1 or 2. The bedding shall be placed and compacted to the depth of the sanitary sewer riser in the top of the sanitary sewer pipe. Compacted fine bedding Type 1 or 2 shall be required for all risers whether constructed in trench pits or under existing structures. Bedding material and construction practices shall be approved by the Construction Engineer prior to installation.
  - SUPPORT OF RISERS: Sanitary sewer riser pipe shall be supported during trench backfill. The riser pipe shall be held in a vertical position at all times until trench backfill and compaction has been completed. Contractor's methods for supporting and back filling the riser pipe shall be approved by the Construction Engineer.
  - PLUMBING: The ends of the riser pipes and manhole shafts shall be plugged unless an approved vent pipe or plug, cap or pipe fitting shall be approved by the Construction Engineer prior to installation. Caps or plugs which do not provide an airtight seal shall not be accepted.
  - TOP OF THE RISER PIPE: The top elevation of the sanitary sewer riser pipe shall be based on the riser pipe elevation, unless otherwise directed by the Construction Engineer. Where riser elevations are not shown on the plans, the top of the riser shall be set at an elevation two feet below the proposed ground surface in ground water is encountered. The top of the riser pipe shall be set at an elevation 2' (min.) above the maximum water table elevation, regardless of the riser elevation shown on the plans.
  - MARKING: Locations of the ends of the sanitary sewer riser pipe shall be marked by installing 1/2" PVC from the top of the riser to a minimum of 4" above the top of the riser. A 4" riser shall be placed centered over the riser from the top to the existing ground. The 1/2" PVC pipe shall be marked with green paint every 10' for the first 100 feet. The riser pipe shall be marked with a 4" red polypropylene line with a minimum depth of three inches, hand-painted for the purpose of identification of underground sewers.
  - LOCATION MARKERS: The project inspector shall record and document the location of all risers constructed as measured from the nearest manhole, the direction from the manhole, the direction and distance from the manhole, the riser size, and elevation of the top of the riser in laborer format.
  - RISER LOCATION: The riser shall be located per plan, if not shown on the plan, the riser shall be located on the center of the lot, within one foot of the property line of the easement, for the lot being served. The riser location shall be approved by the Construction Engineer prior to installation.
  - PAYMENT: "Riser Assembly, Vertical" shall be paid for all the contract unit price per each which shall be full compensation for all pipe, fittings, marking tape, marks, or marks, labor, restoration, and any other items necessary to complete the work.
  - "Riser Assembly, Manhole Shaft" shall be paid for all the contract unit price per each which shall be full compensation for all riser material and installation necessary to complete the work including all pipe, fittings, rock encasement, and all other items as required and listed for "Riser Assembly, Vertical".

**SANITARY SEWER RISER TABLE**

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY		
		LOT NO.	BLOCK NO.	LINE NO.	STATION	DIRECTION	APPROXIMATE LENGTH	
							VERTICAL (ft)	HORIZONTAL (ft)
1	4" MANHOLE CONNECTION							
2	6" MANHOLE CONNECTION							
3	4" TEE							
4	6" TEE							

NOTE: TABLE FOR REFERENCE ONLY AND SHOULD BE ON EACH APPLICABLE PLAN SHEET.



NOTE: NON SHEAR COUPLING TO BE USED WHICH HOOKING TO CLAY PIPE.

REVISED: JULY 2015

**VERTICAL RISER ASSEMBLY SEWER DETAIL**

GARY JANZEN, P.E.

CITY ENGINEER'S OFFICE  
CITY HALL, SEVENTH FLOOR  
450 NORTH MAIN STREET  
WICHITA, KANSAS 67202-1400  
316-268-8001

PROJECT NUMBER: 781426  
SCALE: AS SHOWN  
DRAWN BY: FMS  
CHECKED BY: JMS  
DATE: 11/09/2023  
ISSUE: PERMIT SET

SS-103

**LOVES TRAVEL STOP**

**WICHITA, KS**  
1004 E 21ST STREET N  
WICHITA, KS 67214

15/10/2023

Project Number: 781426  
Scale: AS SHOWN  
Drawn By: FMS  
Checked By: JMS  
Date: 11/09/2023  
Issue: PERMIT SET

Drawing Title: PPS DETAIL

**11 OF 13**



LOVE'S TRAVEL STOP

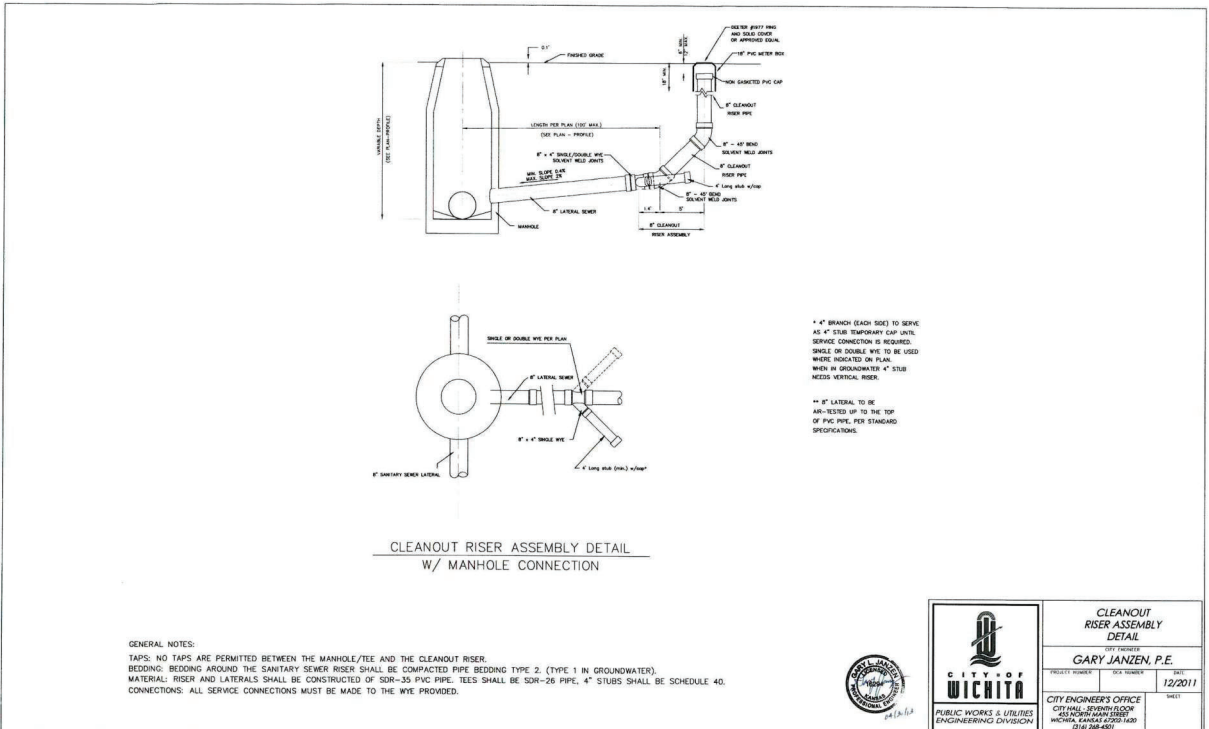
WICHITA, KS  
1504 E 27<sup>TH</sup> STREET N  
WICHITA, KS 67214

0 Description Date

 <b>CITY OF WICHITA</b> PUBLIC WORKS & UTILITIES ENGINEERING DIVISION		<b>CLEANOUT RISER ASSEMBLY DETAIL</b> DETAIL GARY JANZEN, P.E. 12/2011	
		PROJECT NUMBER: _____ CITY ENGINEER'S OFFICE: _____ CITY HALL - SEVENTH FLOOR 450 NORTH MAIN STREET WICHITA, KANSAS 67202-1400 (781) 266-4500	SHEET: _____ DATE: 12/2011



SS-104



Project Number: 751426  
 Scale: 40  
 Drawn By: FAR  
 Checked By: JMS  
 Date: 11/05/2023  
 Issue: PERMIT SET

Drawing Title:  
**PPS DETAIL**  
**12 OF 13**

W:\PROJECTS\LOVE'S TRAVEL STOP - MANHOLE RESTRICTION\MANHOLE RESTRICTION\_PPS\_Detail.dwg - 11/15/2023 - Permitted (Approved)

